

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
 Data File : VD061349.D
 Acq On : 27 Mar 2019 12:11
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Mar 28 09:18:31 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:14:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.02	168	775580	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.19	114	1248995	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.35	117	1073018	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	462418	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	64415	9.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.44%	
35) Dibromofluoromethane	6.90	113	98099	10.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.56%	
50) Toluene-d8	10.39	98	227729	9.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.90%	
62) 4-Bromofluorobenzene	13.54	95	98104	11.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	22.36%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.59	85	78035	9.421 ug/l	98
3) Chloromethane	1.76	50	65689	9.724 ug/l	95
4) Vinyl Chloride	1.85	62	59433	9.582 ug/l	97
5) Bromomethane	2.15	94	13873	11.280 ug/l	92
6) Chloroethane	2.27	64	21838	12.006 ug/l	94
7) Trichlorofluoromethane	2.53	101	93388	10.354 ug/l	97
8) Diethyl Ether	2.87	74	30951	10.659 ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.15	101	97889	10.096 ug/l	97
10) Methyl Iodide	3.30	142	102449	9.934 ug/l	96
11) Tert butyl alcohol	4.05	59	20189	48.931 ug/l #	92
12) 1,1-Dichloroethene	3.12	96	79803	9.586 ug/l	95
13) Acrolein	3.03	56	23074	55.578 ug/l	89
14) Allyl chloride	3.61	41	113652	9.788 ug/l	95
15) Acrylonitrile	4.18	53	75077	52.426 ug/l	95
16) Acetone	3.21	43	79727	46.812 ug/l	96
17) Carbon Disulfide	3.37	76	271059	10.022 ug/l	100
18) Methyl Acetate	3.63	43	33996	9.494 ug/l	98
19) Methyl tert-butyl Ether	4.22	73	143547	9.961 ug/l	99
20) Methylene Chloride	3.80	84	117416	10.801 ug/l	98
21) trans-1,2-Dichloroethene	4.20	96	92312	10.271 ug/l	96
22) Diisopropyl ether	5.09	45	232293	9.454 ug/l	97
23) Vinyl Acetate	5.03	43	660921	49.519 ug/l	100
24) 1,1-Dichloroethane	4.96	63	145601	10.083 ug/l	96
25) 2-Butanone	6.05	43	106645	49.778 ug/l	99
26) 2,2-Dichloropropane	6.00	77	120440	10.492 ug/l	93
27) cis-1,2-Dichloroethene	6.02	96	102824	10.442 ug/l	92
28) Bromochloromethane	6.41	49	57487	9.862 ug/l #	95
29) Tetrahydrofuran	6.43	42	51912	49.992 ug/l	97
30) Chloroform	6.64	83	148797	9.973 ug/l	94
31) Cyclohexane	6.93	56	110894	9.718 ug/l	99
32) 1,1,1-Trichloroethane	6.85	97	127229	9.665 ug/l	95
36) 1,1-Dichloropropene	7.12	75	116545	10.691 ug/l	99
37) Ethyl Acetate	6.16	43	49421	10.601 ug/l	99
38) Carbon Tetrachloride	7.09	117	128981	10.392 ug/l	95

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 VSTDIC010

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.83	83	120087	10.577	ug/l	97
40) Benzene	7.44	78	280616	10.257	ug/l	99
41) Methacrylonitrile	6.42	41	57221	10.497	ug/l	97
42) 1,2-Dichloroethane	7.55	62	85636	10.464	ug/l	100
43) Isopropyl Acetate	9.22	43	62424	9.203	ug/l	95
44) Trichloroethene	8.52	130	104904	10.304	ug/l	90
45) 1,2-Dichloropropane	8.91	63	73144	10.544	ug/l	96
46) Dibromomethane	9.04	93	46500	9.959	ug/l	93
47) Bromodichloromethane	9.36	83	103024	9.831	ug/l	98
48) Methyl methacrylate	9.09	41	38930	10.399	ug/l	95
49) 1,4-Dioxane	9.05	88	8530	206.581	ug/l	93
51) 4-Methyl-2-Pentanone	10.27	43	222374	53.885	ug/l	99
52) Toluene	10.49	92	185364	11.106	ug/l	98
53) t-1,3-Dichloropropene	10.89	75	101015	10.609	ug/l	97
54) cis-1,3-Dichloropropene	10.01	75	119384	10.297	ug/l	99
55) 1,1,2-Trichloroethane	11.17	97	61103	10.468	ug/l	98
56) Ethyl methacrylate	11.02	69	66512	10.607	ug/l	99
57) 1,3-Dichloropropane	11.38	76	90169	10.510	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.83	63	184631	60.461	ug/l	99
59) 2-Hexanone	11.51	43	153458	51.323	ug/l	98
60) Dibromochloromethane	11.67	129	95031	10.561	ug/l	96
61) 1,2-Dibromoethane	11.79	107	68928	10.198	ug/l	100
64) Tetrachloroethene	11.24	164	82563	9.804	ug/l	98
65) Chlorobenzene	12.38	112	231897	10.575	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.50	131	83963	9.889	ug/l	98
67) Ethyl Benzene	12.51	91	344826	10.302	ug/l	96
68) m/p-Xylenes	12.65	106	255133	20.122	ug/l	100
69) o-Xylene	13.04	106	125517	10.201	ug/l	99
70) Styrene	13.06	104	228082	10.634	ug/l	97
71) Bromoform	13.22	173	50182	9.324	ug/l #	95
73) Isopropylbenzene	13.39	105	354441	11.013	ug/l	98
74) N-amyl acetate	13.25	43	93840	10.467	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	68549	10.097	ug/l	95
76) 1,2,3-Trichloropropane	13.72	75	65278	9.773	ug/l	99
77) Bromobenzene	13.66	156	98173	10.289	ug/l	87
78) n-propylbenzene	13.77	91	398026	10.106	ug/l	100
79) 2-Chlorotoluene	13.82	91	215999	10.100	ug/l	97
80) 1,3,5-Trimethylbenzene	13.92	105	264306	9.938	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	20043	9.841	ug/l	88
82) 4-Chlorotoluene	13.93	91	241741	10.396	ug/l	94
83) tert-Butylbenzene	14.18	119	343283	11.000	ug/l	94
84) 1,2,4-Trimethylbenzene	14.23	105	280779	10.386	ug/l	98
85) sec-Butylbenzene	14.36	105	355658	10.728	ug/l	97
86) p-Isopropyltoluene	14.48	119	285880	10.198	ug/l	98
87) 1,3-Dichlorobenzene	14.44	146	174200	10.782	ug/l	97
88) 1,4-Dichlorobenzene	14.52	146	164633	10.449	ug/l	96
89) n-Butylbenzene	14.79	91	273215	10.618	ug/l	99
90) Hexachloroethane	15.00	117	76749	9.691	ug/l	75
91) 1,2-Dichlorobenzene	14.80	146	144113	10.874	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	7563	9.498	ug/l	79

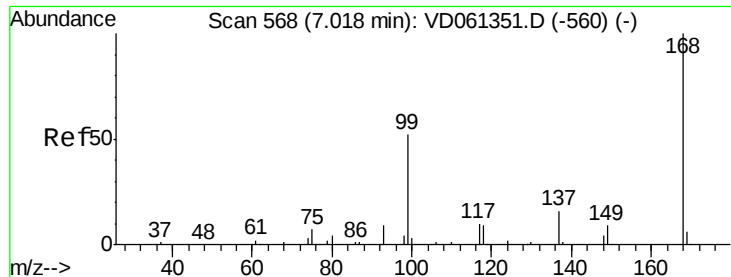
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
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Acq On : 27 Mar 2019 12:11
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	59971	9.934	ug/l	97
94) Hexachlorobutadiene	16.03	225	50396	10.683	ug/l	98
95) Naphthalene	16.12	128	90793	9.867	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	28052	10.559	ug/l	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.02 min Scan# 569

Delta R.T. 0.00 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

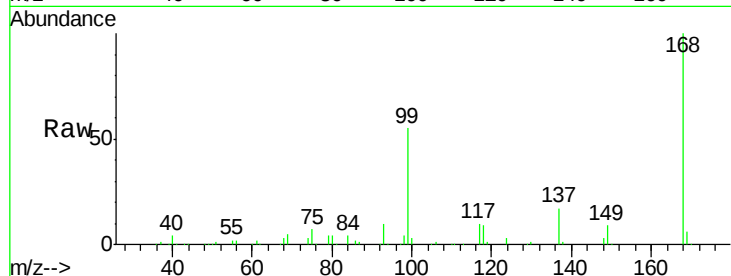
VSTDIC010

Tgt Ion:168 Resp: 775580

Ion Ratio Lower Upper

168 100

99 55.4 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.02

250000

200000

150000

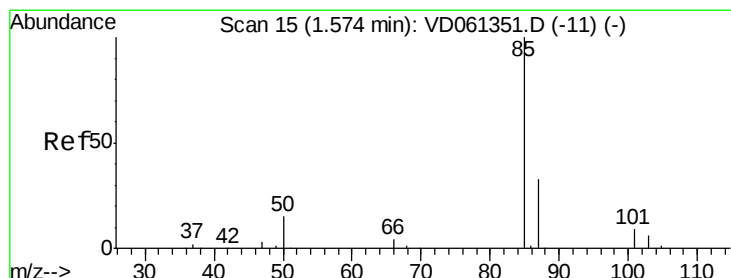
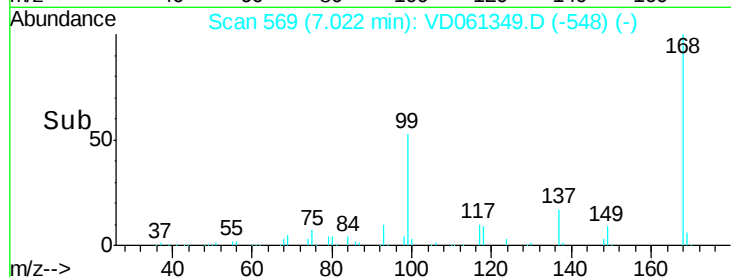
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 9.421 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD061349.D

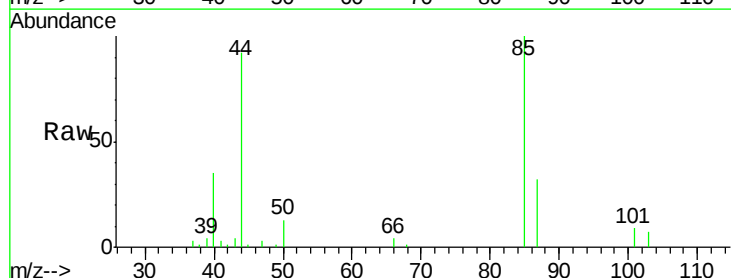
Acq: 27 Mar 2019 12:11

Tgt Ion: 85 Resp: 78035

Ion Ratio Lower Upper

85 100

87 32.0 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.59

30000

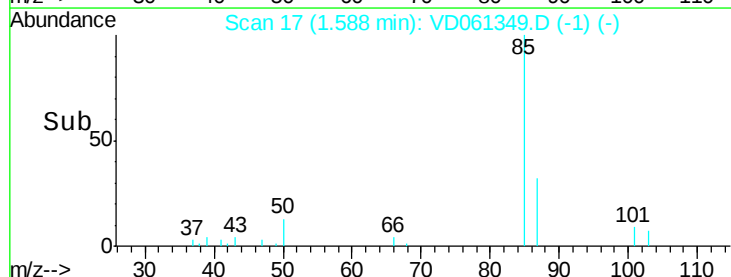
20000

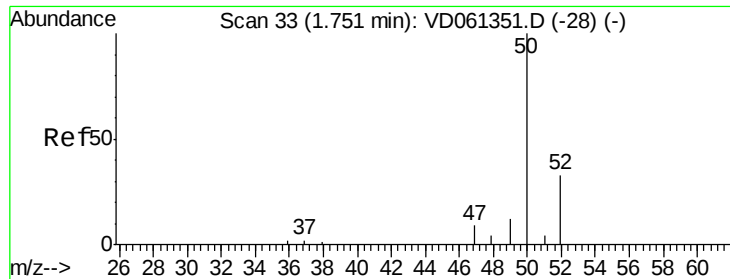
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 9.724 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

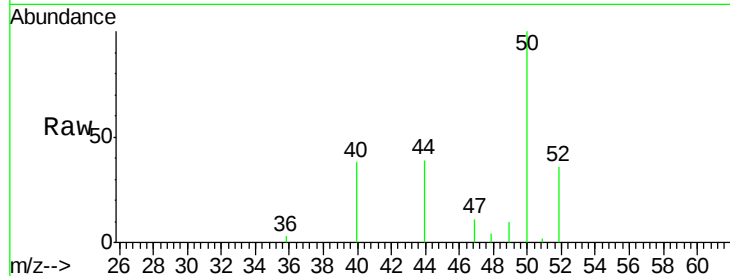
VSTDIC010

Tgt Ion: 50 Resp: 65689

Ion Ratio Lower Upper

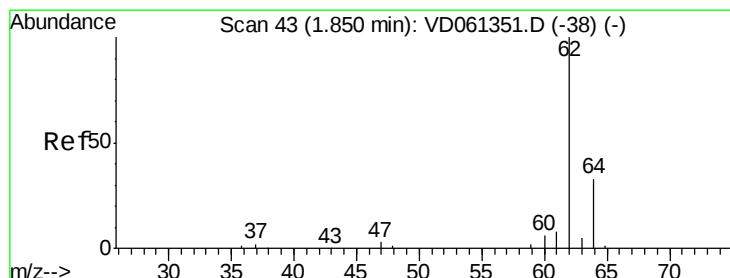
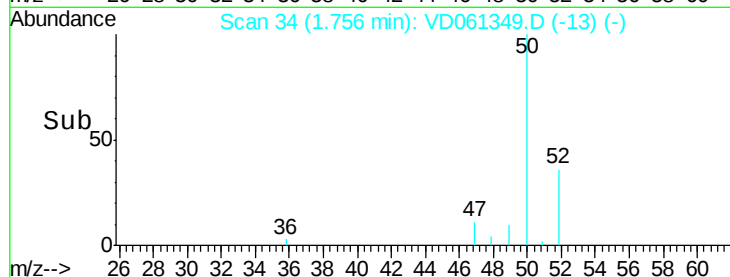
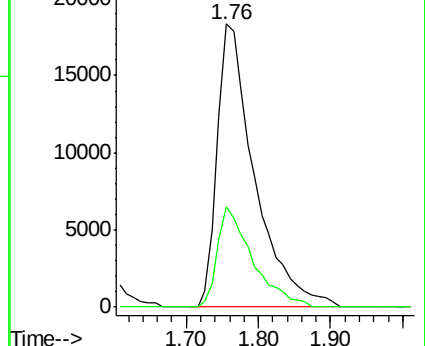
50 100

52 35.6 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 9.582 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061349.D

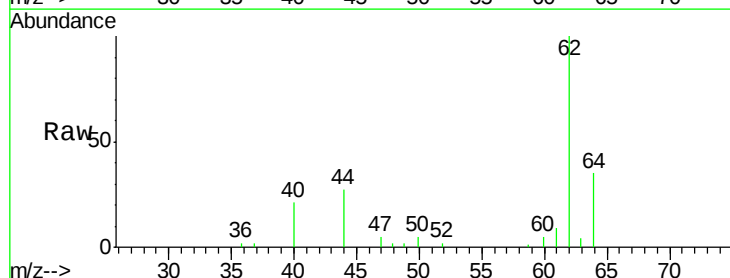
Acq: 27 Mar 2019 12:11

Tgt Ion: 62 Resp: 59433

Ion Ratio Lower Upper

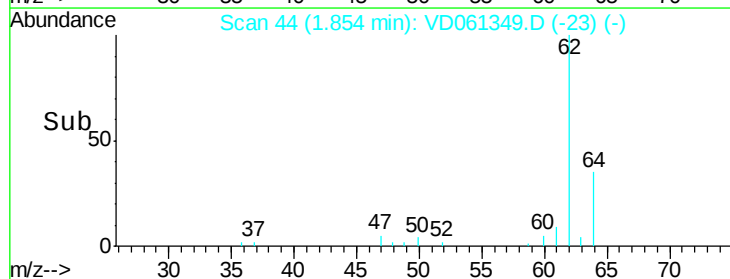
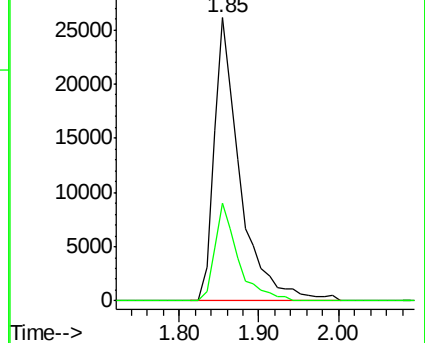
62 100

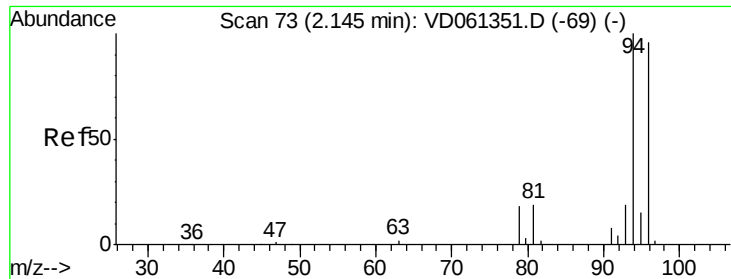
64 34.7 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 11.280 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.00 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

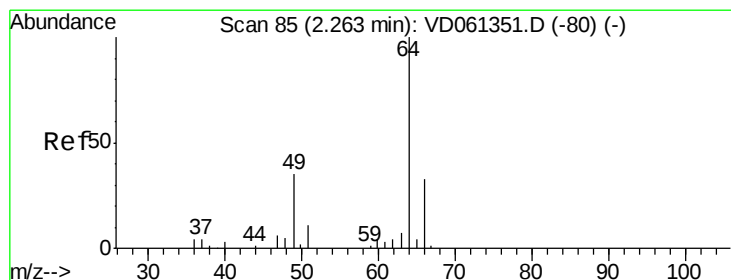
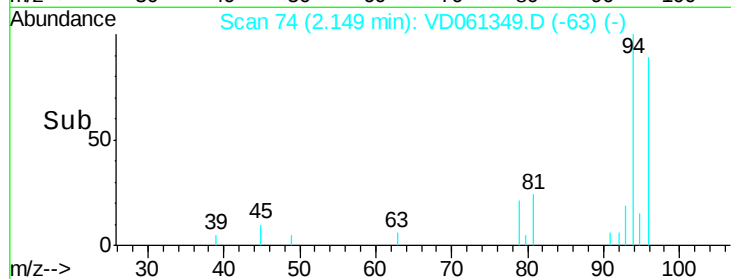
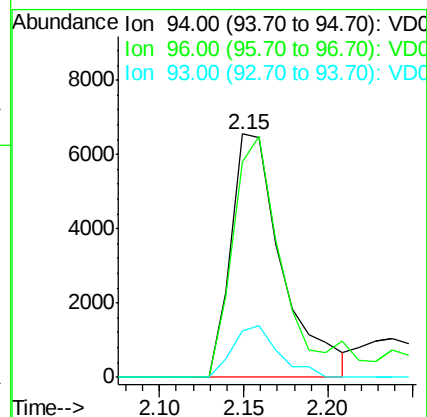
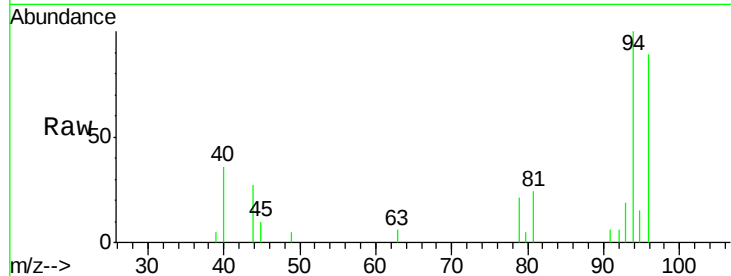
Tgt Ion: 94 Resp: 13873

Ion Ratio Lower Upper

94 100

96 88.6 78.3 117.5

93 18.9 15.6 23.4



#6

Chloroethane

Concen: 12.006 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.00 min

Lab File: VD061349.D

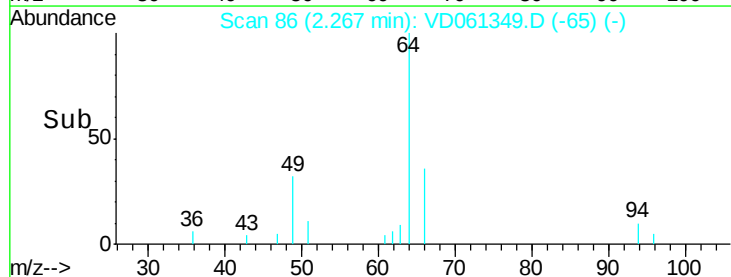
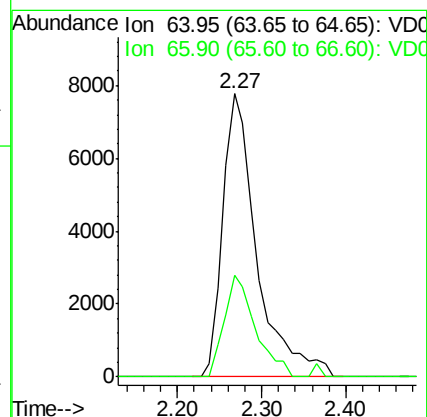
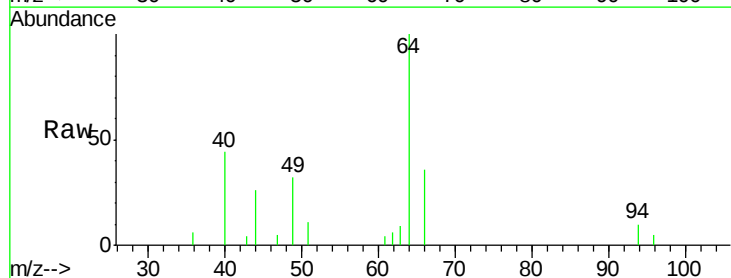
Acq: 27 Mar 2019 12:11

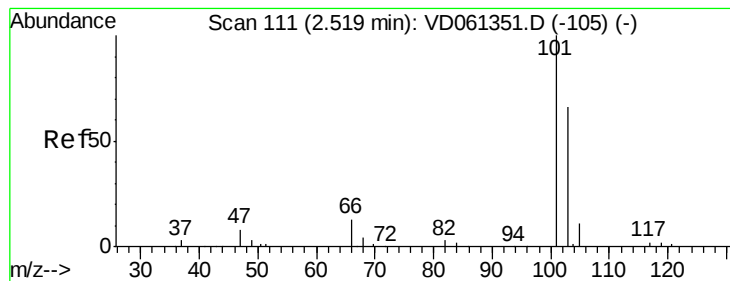
Tgt Ion: 64 Resp: 21838

Ion Ratio Lower Upper

64 100

66 35.8 26.2 39.2



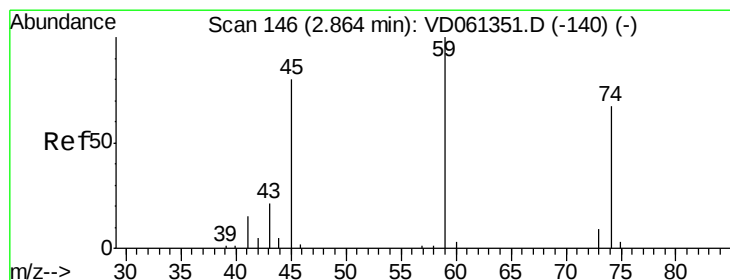
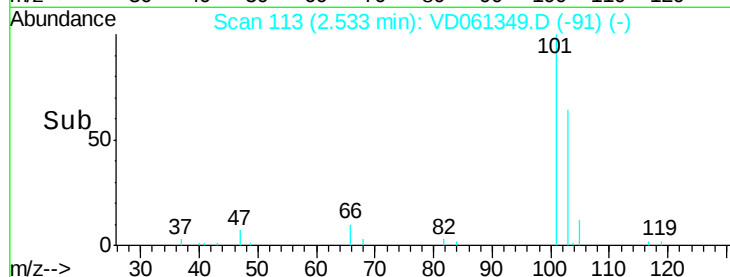
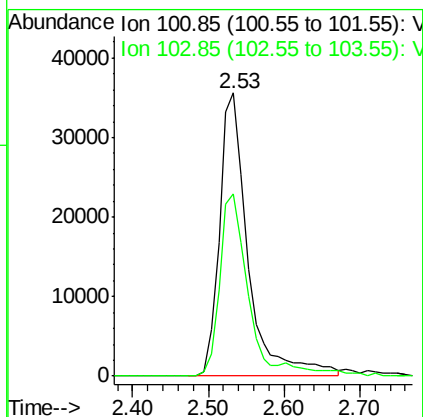
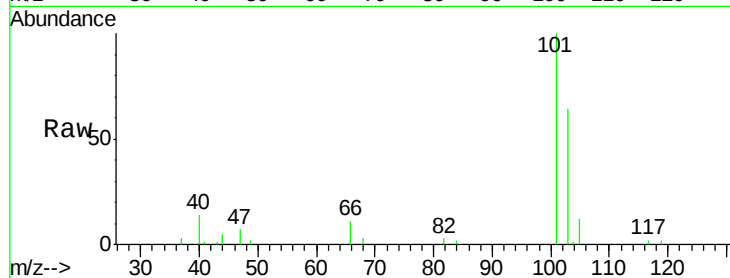


#7

Trichlorofluoromethane
 Concen: 10.354 ug/l
 RT: 2.53 min Scan# 113
 Delta R.T. 0.01 min
 Lab File: VD061349.D
 Acq: 27 Mar 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

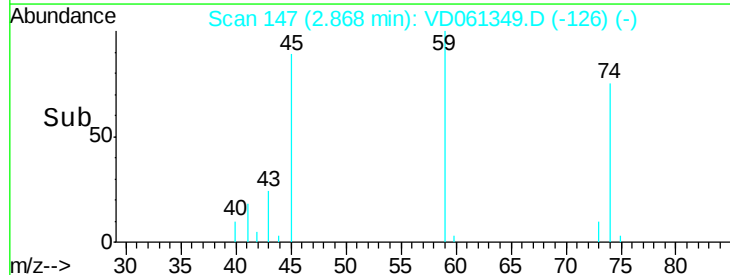
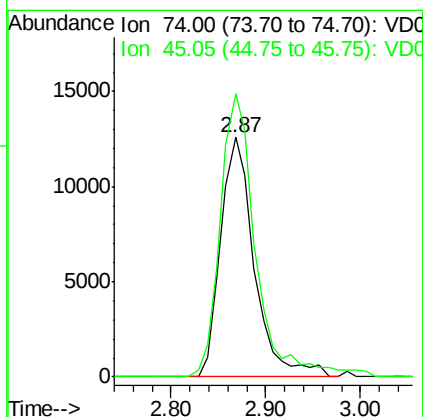
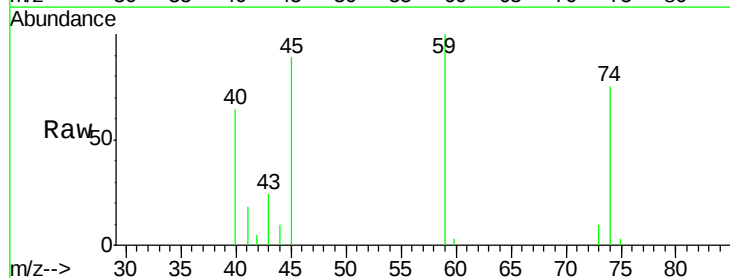
Tgt Ion: 101 Resp: 93388
 Ion Ratio Lower Upper
 101 100
 103 64.4 53.1 79.7

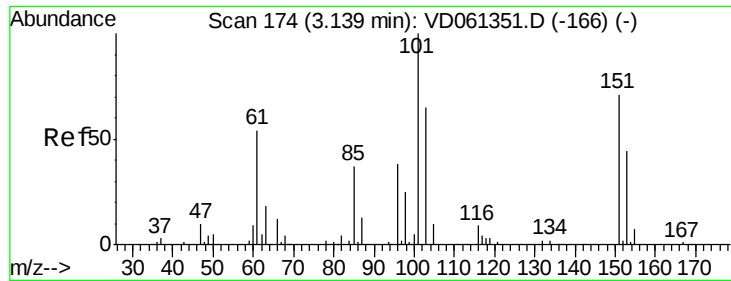


#8

Diethyl Ether
 Concen: 10.659 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.00 min
 Lab File: VD061349.D
 Acq: 27 Mar 2019 12:11

Tgt Ion: 74 Resp: 30951
 Ion Ratio Lower Upper
 74 100
 45 118.2 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.096 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.01 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

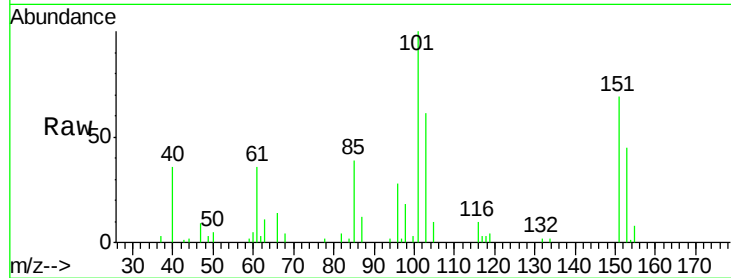
Tgt Ion:101 Resp: 97889

Ion Ratio Lower Upper

101 100

85 38.9 29.4 44.0

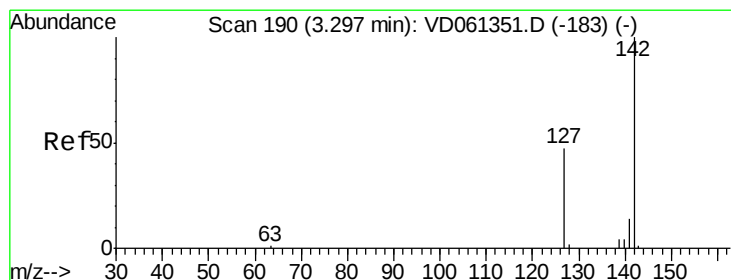
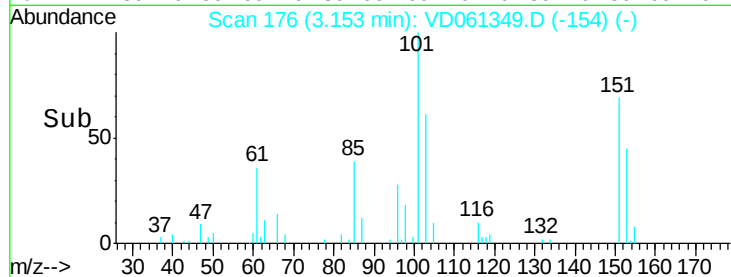
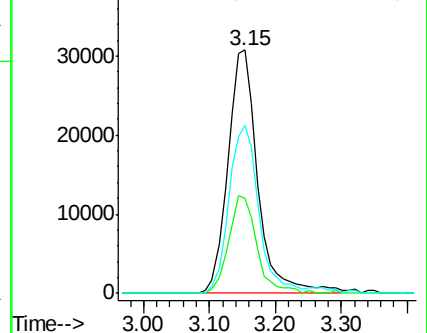
151 69.0 57.0 85.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 9.934 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

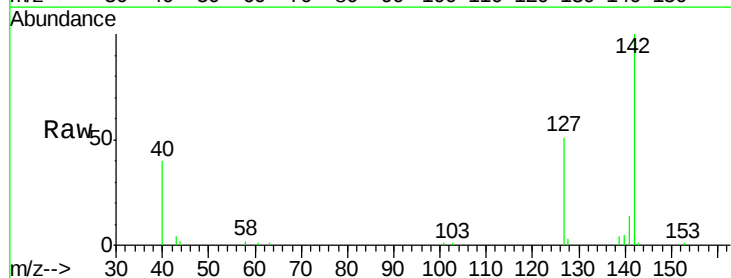
Tgt Ion:142 Resp: 102449

Ion Ratio Lower Upper

142 100

127 51.0 37.7 56.5

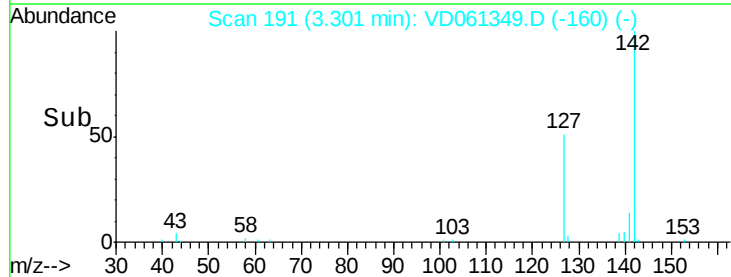
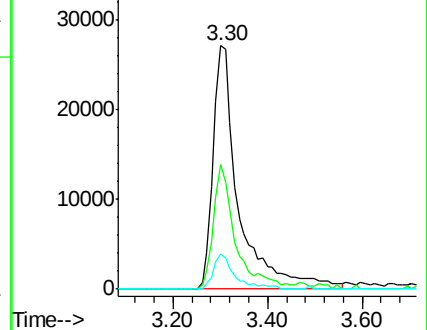
141 14.4 11.5 17.3

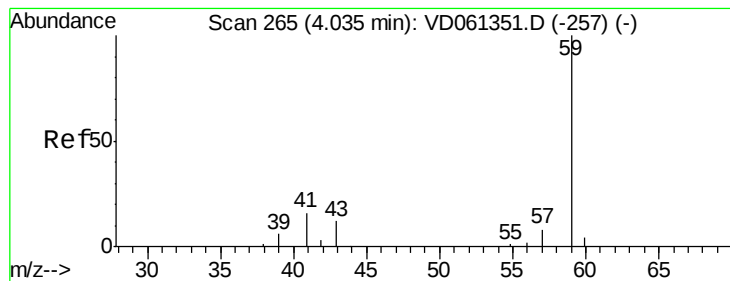


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



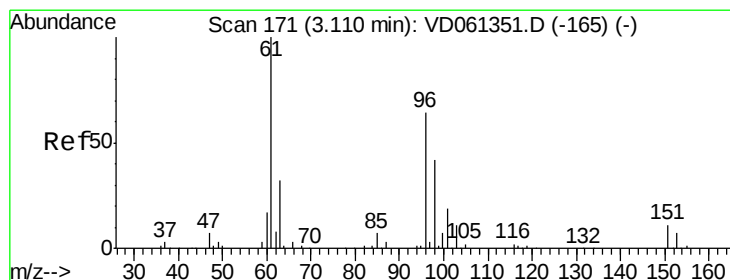
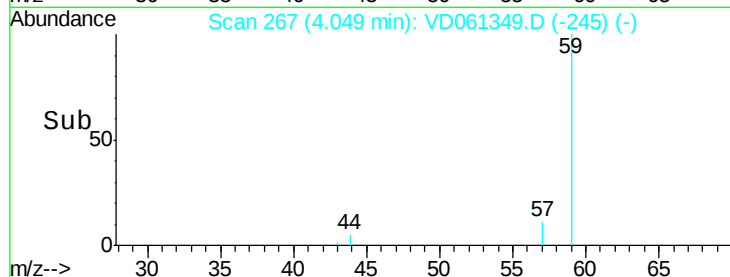
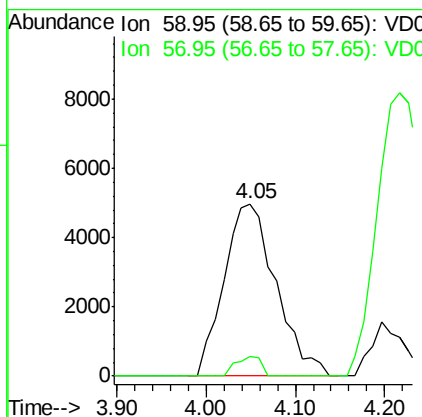
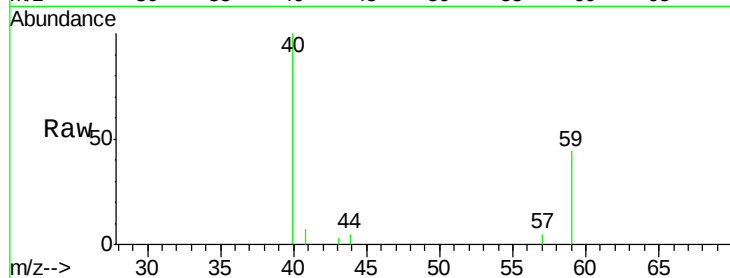


#11

Tert butyl alcohol
 Concen: 48.931 ug/l
 RT: 4.05 min Scan# 267
 Delta R.T. 0.01 min
 Lab File: VD061349.D
 Acq: 27 Mar 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

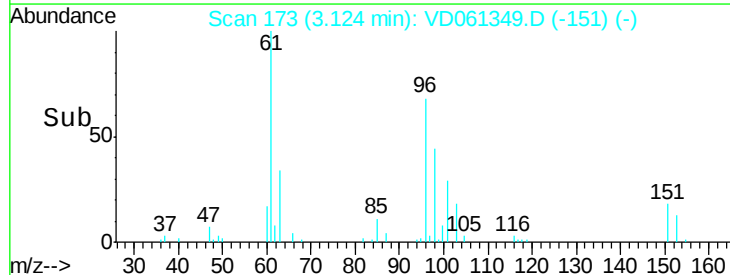
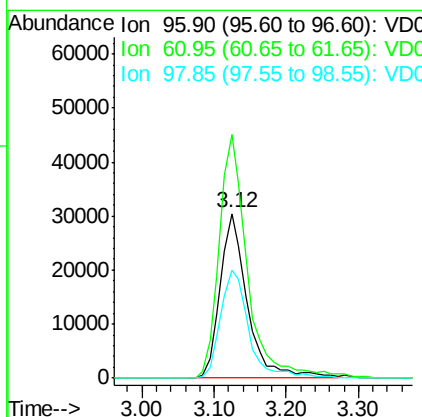
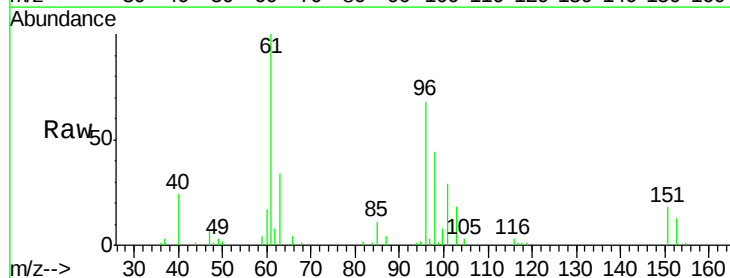
Tgt Ion: 59 Resp: 20189
 Ion Ratio Lower Upper
 59 100
 57 11.1 6.7 10.1#

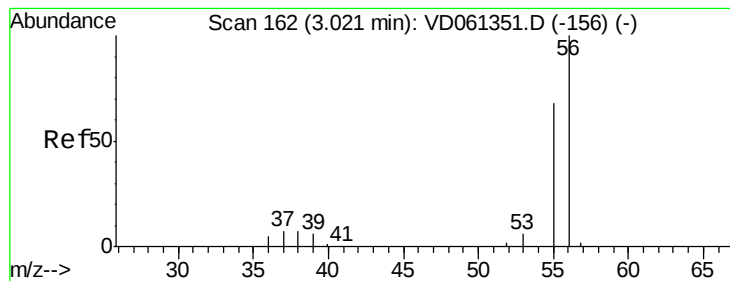


#12

1,1-Dichloroethene
 Concen: 9.586 ug/l
 RT: 3.12 min Scan# 173
 Delta R.T. 0.01 min
 Lab File: VD061349.D
 Acq: 27 Mar 2019 12:11

Tgt Ion: 96 Resp: 79803
 Ion Ratio Lower Upper
 96 100
 61 147.9 124.9 187.3
 98 65.5 52.5 78.7





#13

Acrolein

Concen: 55.578 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.00 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

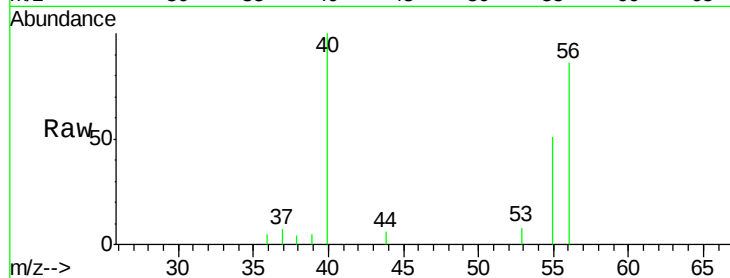
VSTDIC010

Tgt Ion: 56 Resp: 23074

Ion Ratio Lower Upper

56 100

55 59.8 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.03

10000

8000

6000

4000

2000

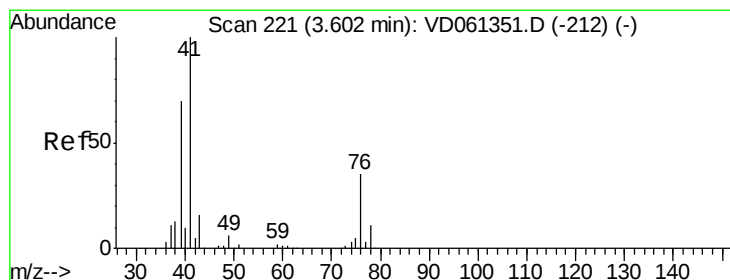
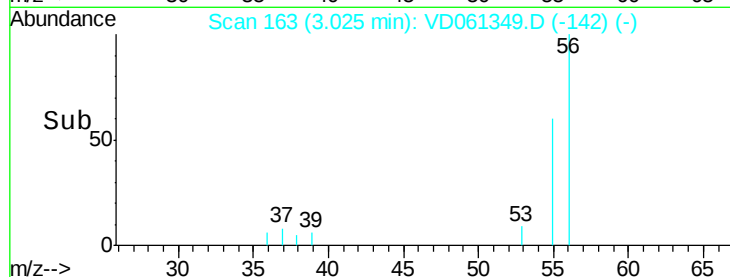
0

Time-->

2.90

3.00

3.10



#14

Allyl chloride

Concen: 9.788 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.00 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

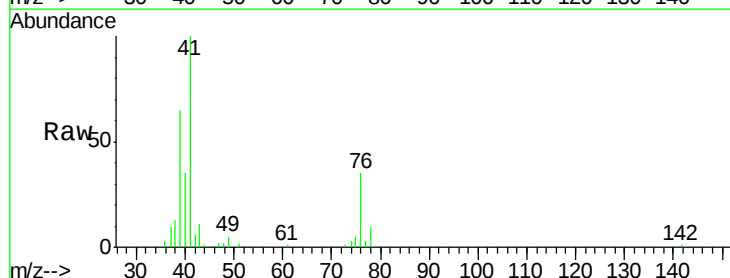
Tgt Ion: 41 Resp: 113652

Ion Ratio Lower Upper

41 100

39 65.3 55.6 83.4

76 35.2 31.0 46.6



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.61

50000

40000

30000

20000

10000

0

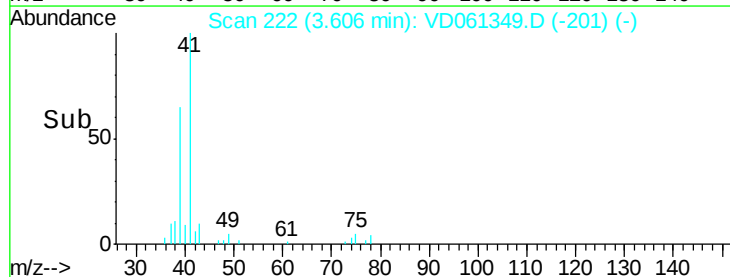
Time-->

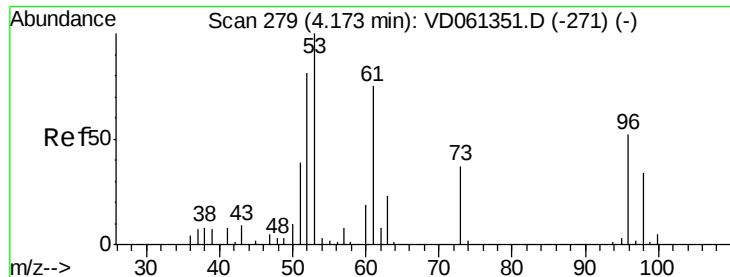
3.50

3.60

3.70

3.80





#15

Acrylonitrile

Concen: 52.426 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.00 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

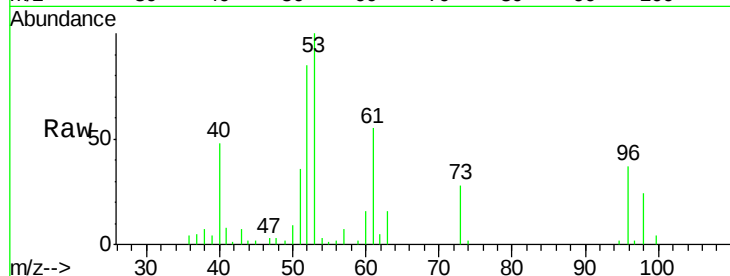
Tgt Ion: 53 Resp: 75077

Ion Ratio Lower Upper

53 100

52 84.7 64.8 97.2

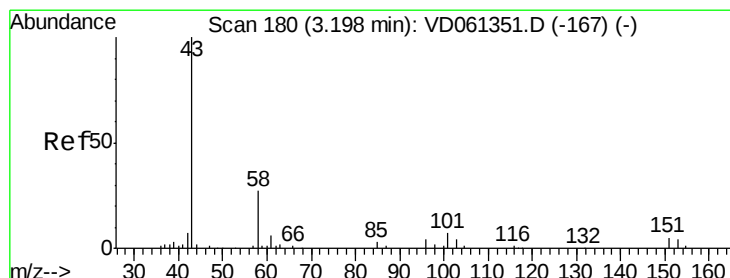
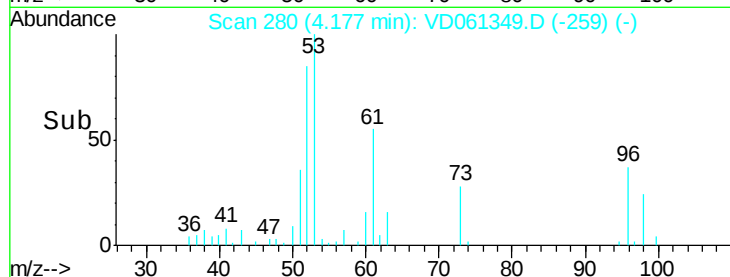
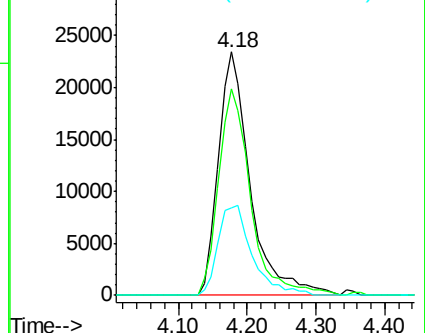
51 36.1 31.4 47.2



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 46.812 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD061349.D

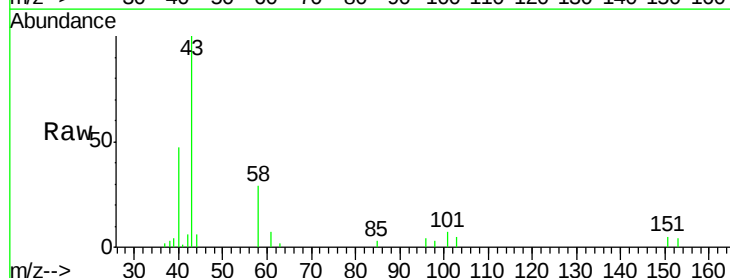
Acq: 27 Mar 2019 12:11

Tgt Ion: 43 Resp: 79727

Ion Ratio Lower Upper

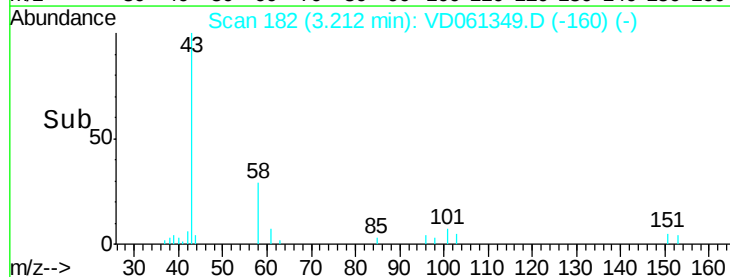
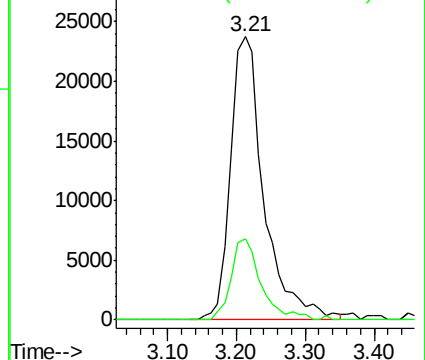
43 100

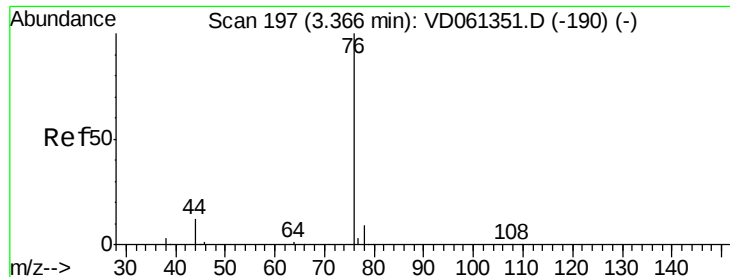
58 28.8 21.5 32.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

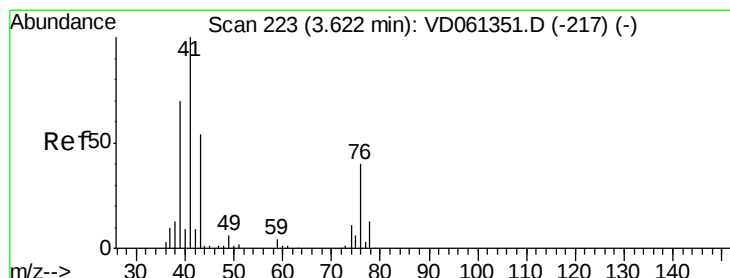
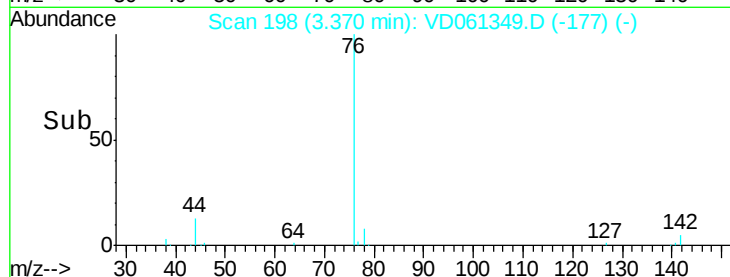
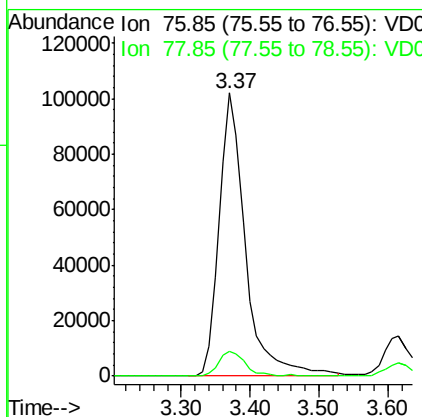
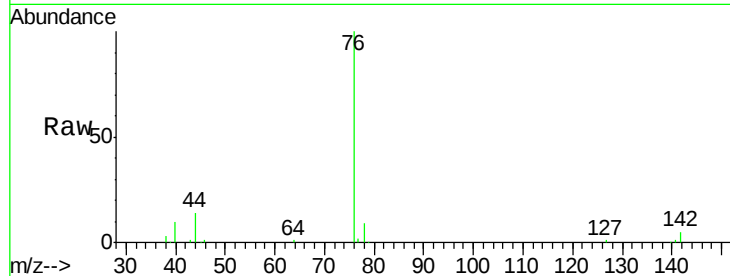




#17
Carbon Disulfide
Concen: 10.022 ug/l
RT: 3.37 min Scan# 198
Delta R.T. 0.00 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

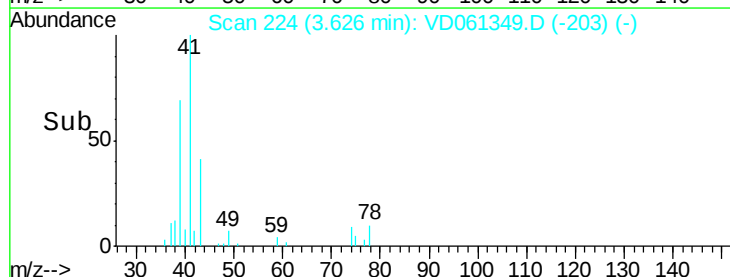
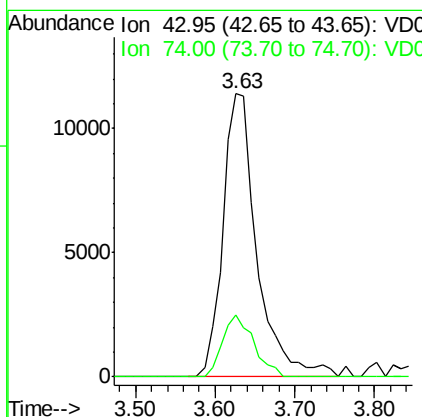
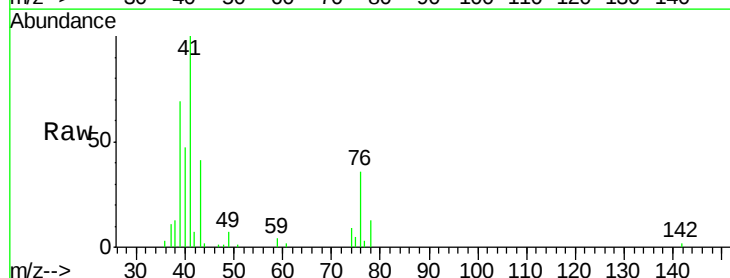
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

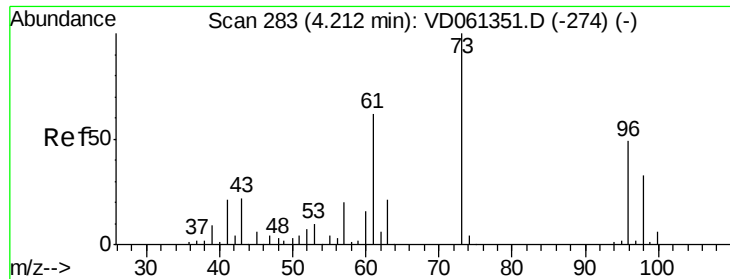
Tgt Ion: 76 Resp: 271059
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 9.494 ug/l
RT: 3.63 min Scan# 224
Delta R.T. 0.00 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

Tgt Ion: 43 Resp: 33996
Ion Ratio Lower Upper
43 100
74 22.0 16.7 25.1

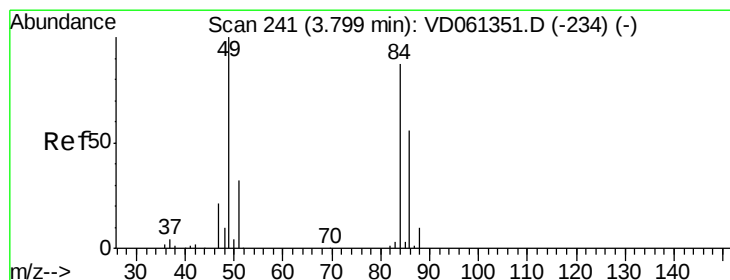
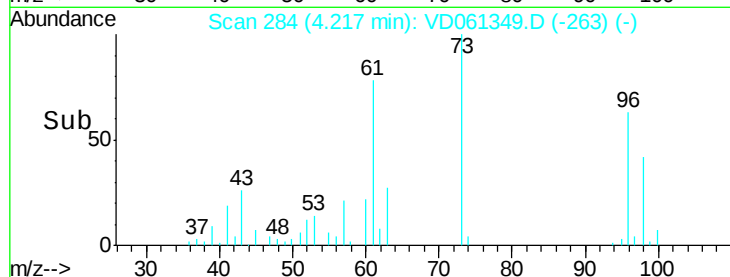
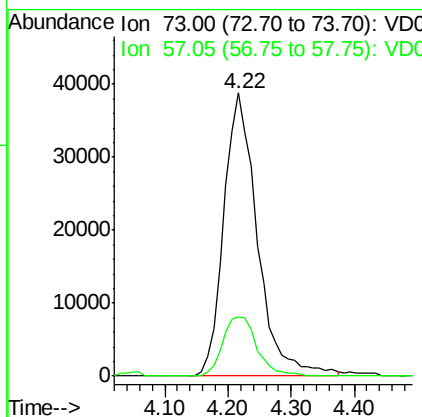
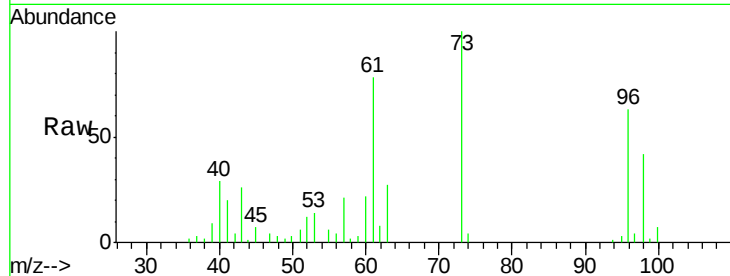




#19
Methyl tert-butyl Ether
Concen: 9.961 ug/l
RT: 4.22 min Scan# 284
Delta R.T. 0.00 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

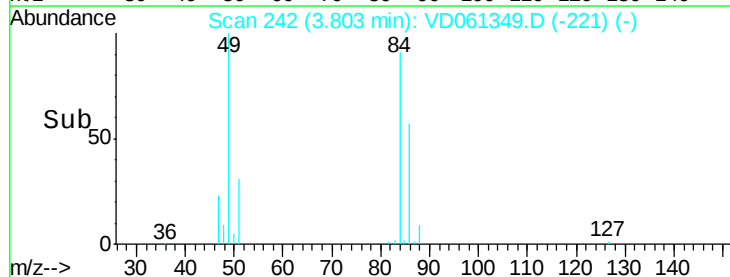
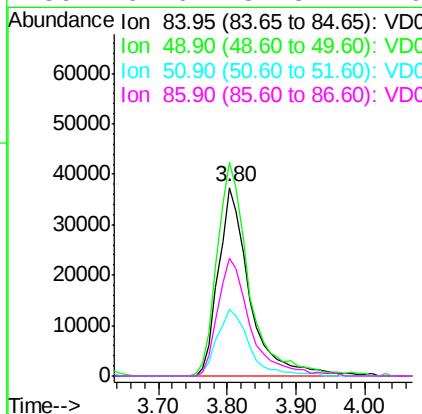
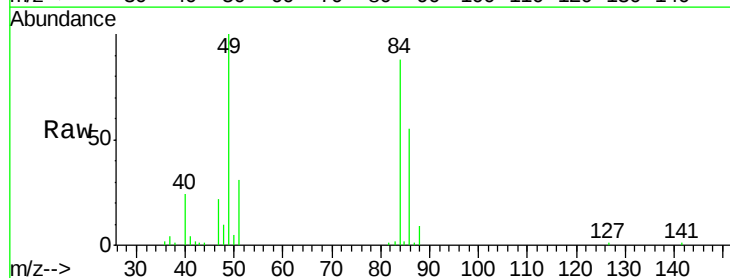
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

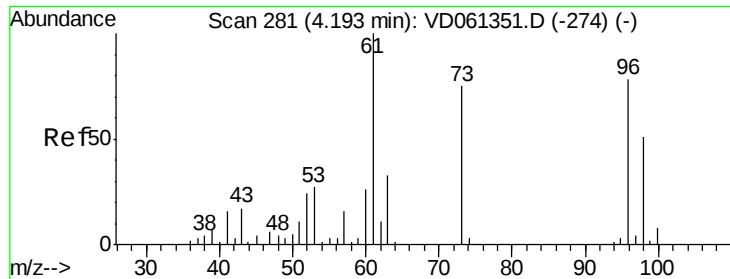
Tgt Ion: 73 Resp: 143547
Ion Ratio Lower Upper
73 100
57 21.1 16.4 24.6



#20
Methylene Chloride
Concen: 10.801 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

Tgt Ion: 84 Resp: 117416
Ion Ratio Lower Upper
84 100
49 113.5 91.8 137.8
51 35.4 29.8 44.8
86 62.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 10.271 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.00 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

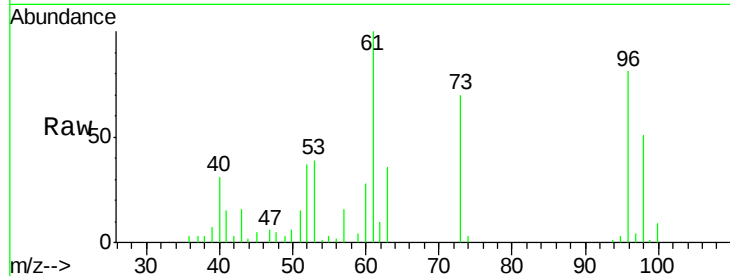
Tgt Ion: 96 Resp: 92312

Ion Ratio Lower Upper

96 100

61 123.2 102.7 154.1

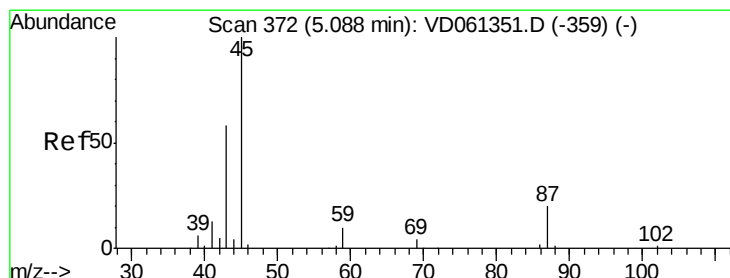
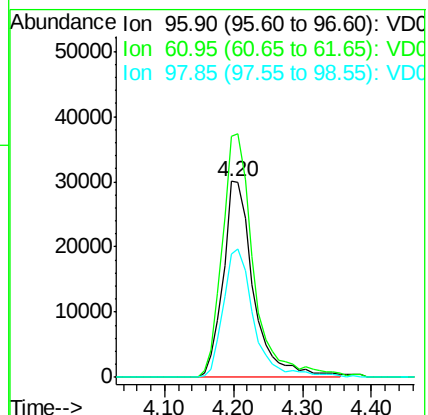
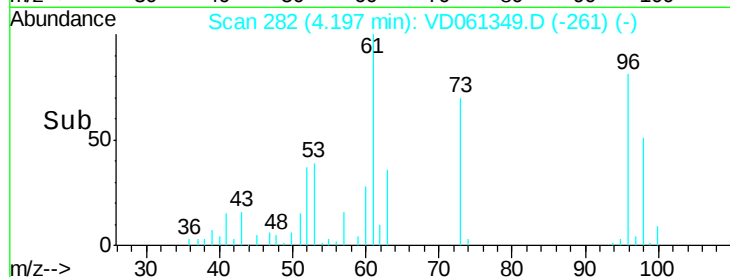
98 63.1 52.2 78.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 9.454 ug/l

RT: 5.09 min Scan# 373

Delta R.T. 0.00 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

Tgt Ion: 45 Resp: 232293

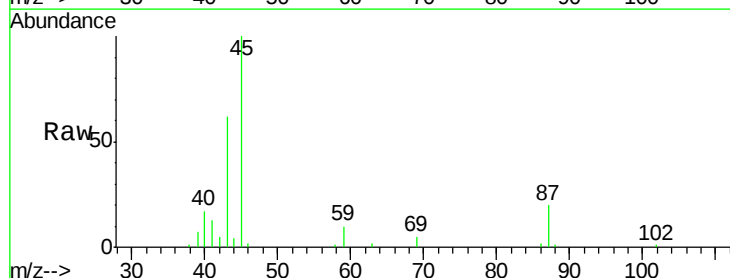
Ion Ratio Lower Upper

45 100

43 61.9 47.4 71.2

87 19.7 16.3 24.5

59 10.4 8.4 12.6

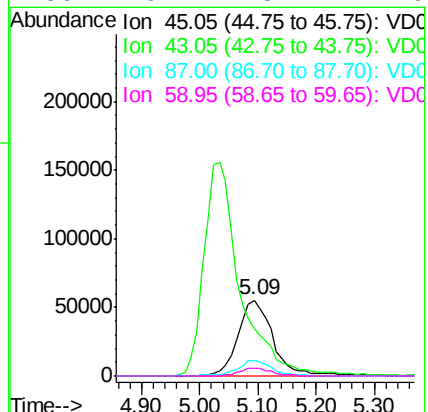
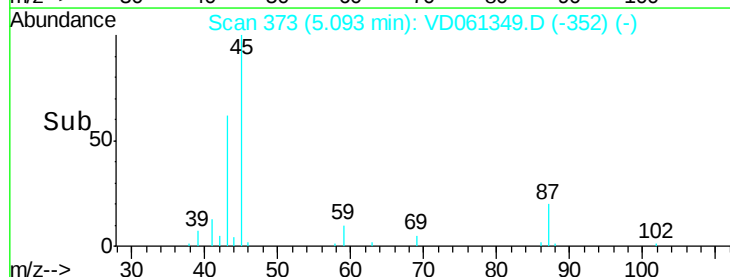


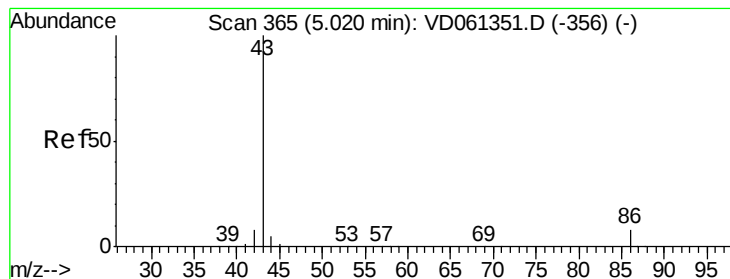
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 49.519 ug/l

RT: 5.03 min Scan# 367

Delta R.T. 0.01 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

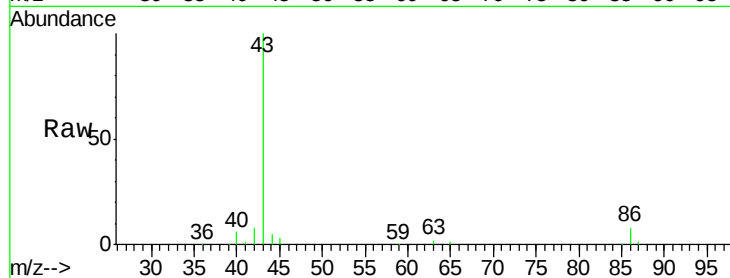
VSTDIC010

Tgt Ion: 43 Resp: 660921

Ion Ratio Lower Upper

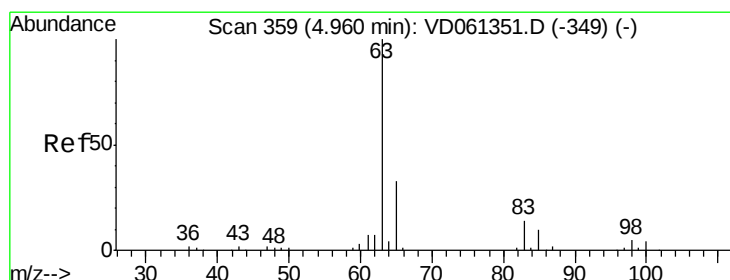
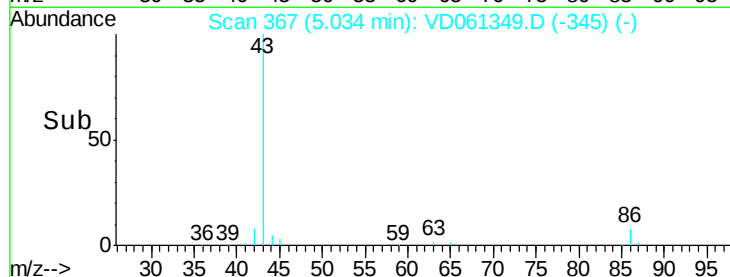
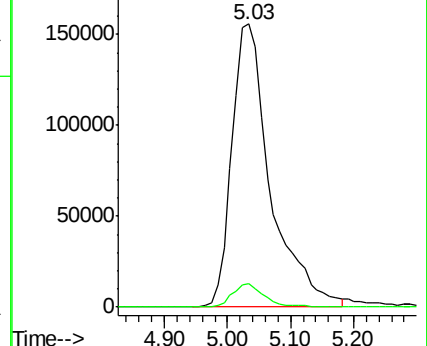
43 100

86 8.3 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 10.083 ug/l

RT: 4.96 min Scan# 360

Delta R.T. 0.00 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

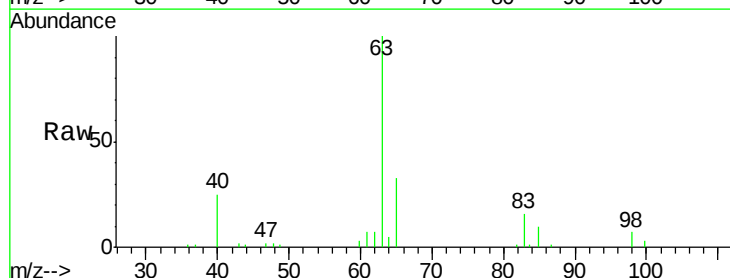
Tgt Ion: 63 Resp: 145601

Ion Ratio Lower Upper

63 100

98 7.1 2.6 8.0

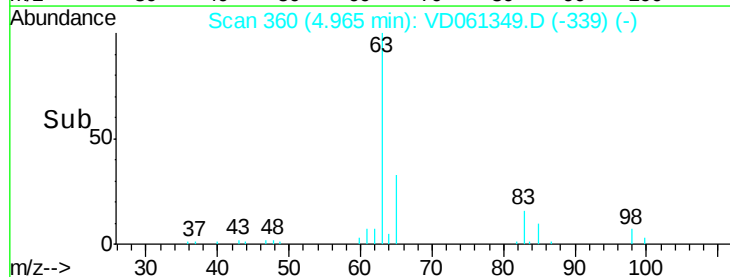
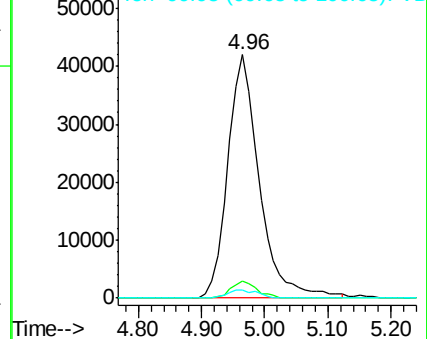
100 3.3 1.8 5.3

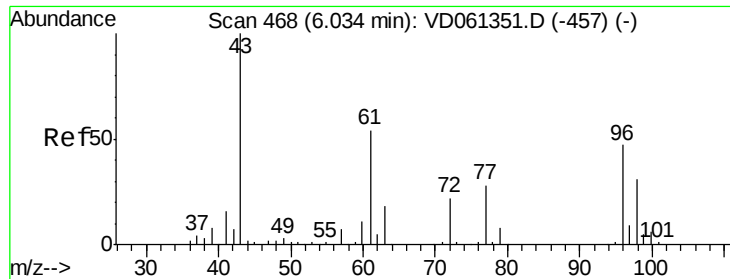


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 49.778 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.01 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

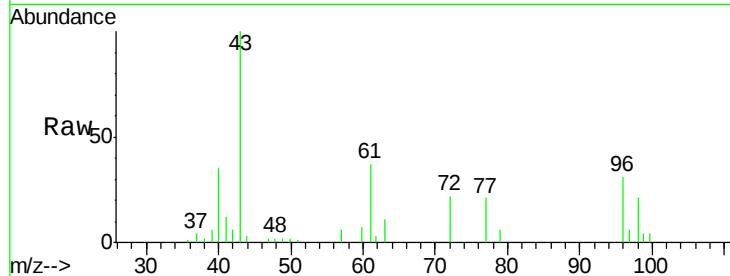
VSTDIC010

Tgt Ion: 43 Resp: 106645

Ion Ratio Lower Upper

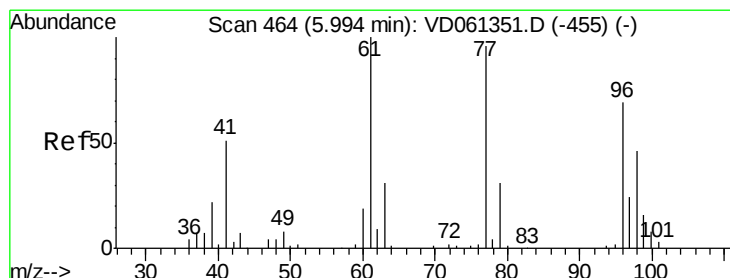
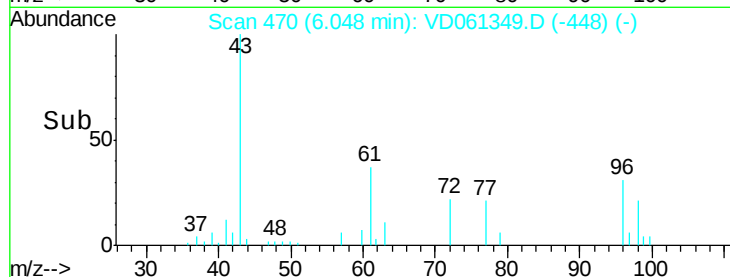
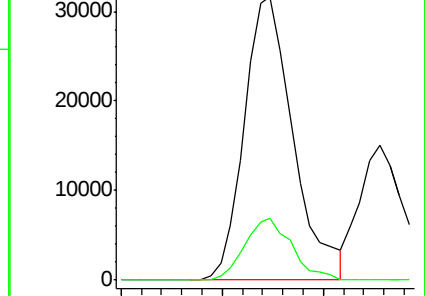
43 100

72 22.1 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 10.492 ug/l

RT: 6.00 min Scan# 465

Delta R.T. 0.00 min

Lab File: VD061349.D

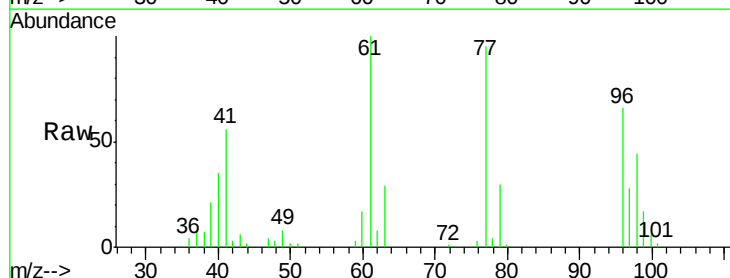
Acq: 27 Mar 2019 12:11

Tgt Ion: 77 Resp: 120440

Ion Ratio Lower Upper

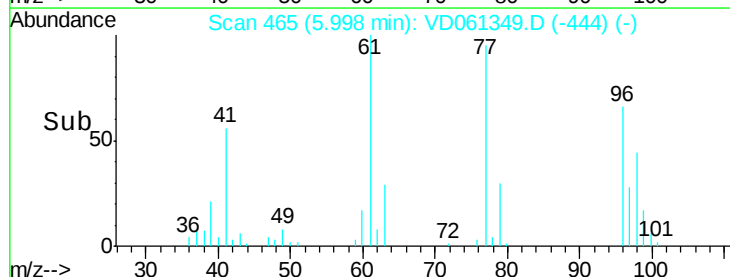
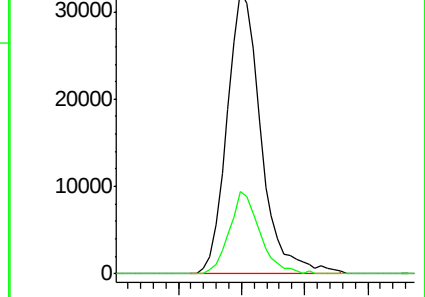
77 100

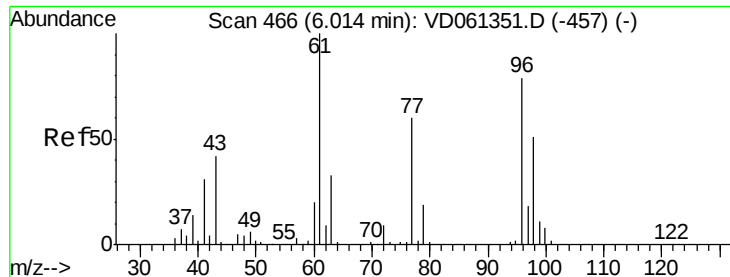
97 29.1 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



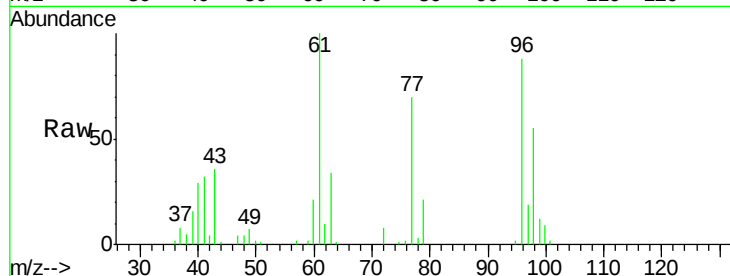


#27

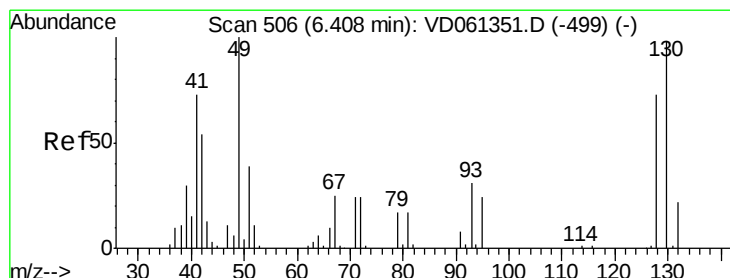
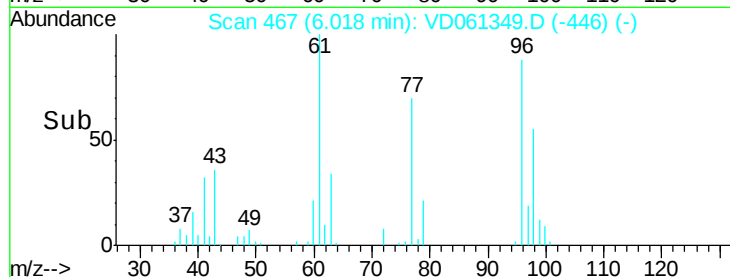
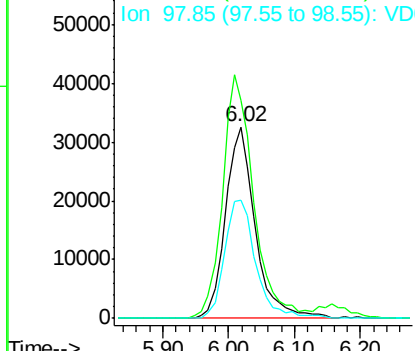
cis-1,2-Dichloroethene
Concen: 10.442 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.00 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 96 Resp: 102824
Ion Ratio Lower Upper
96 100
61 113.7 0.0 251.6
98 62.0 0.0 129.2



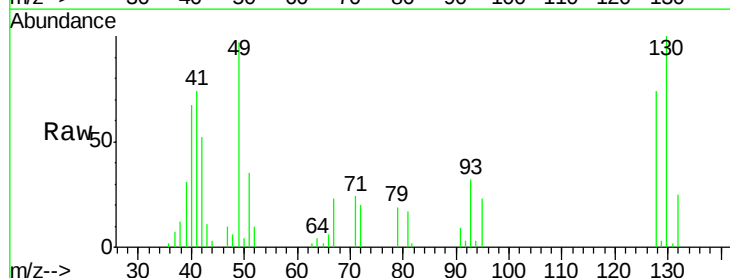
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



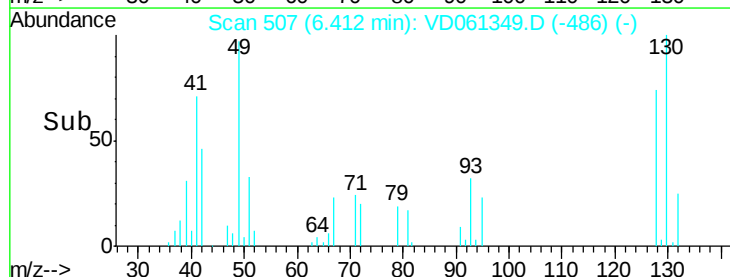
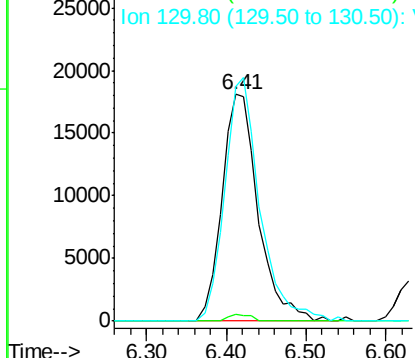
#28

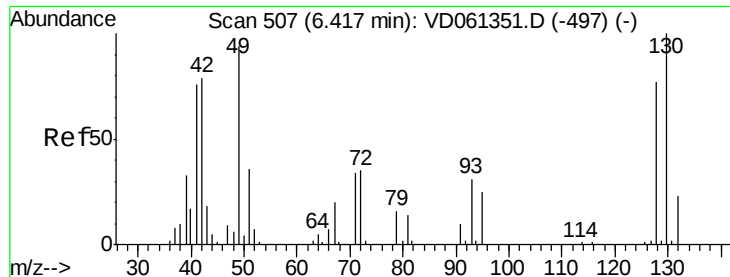
Bromochloromethane
Concen: 9.862 ug/l
RT: 6.41 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

Tgt Ion: 49 Resp: 57487
Ion Ratio Lower Upper
49 100
129 3.2 0.0 0.0#
130 103.4 78.4 117.6



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC

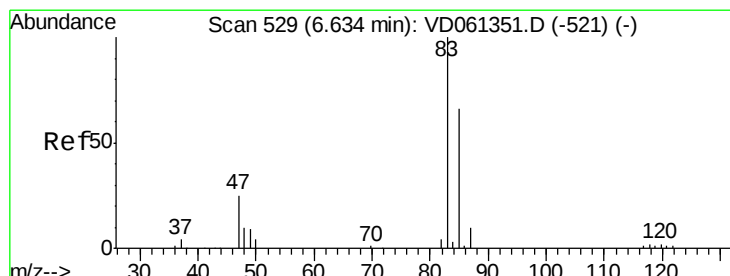
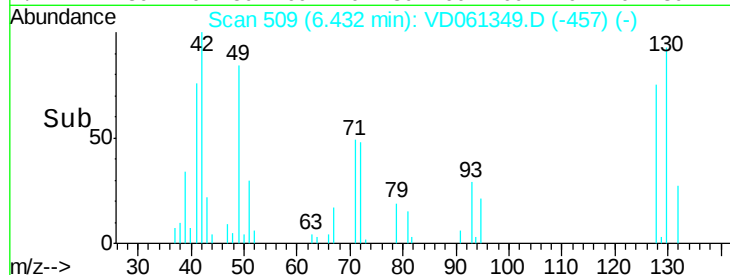
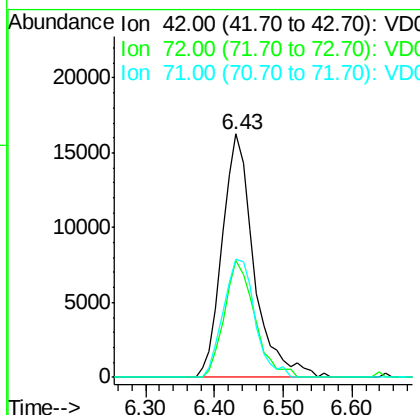
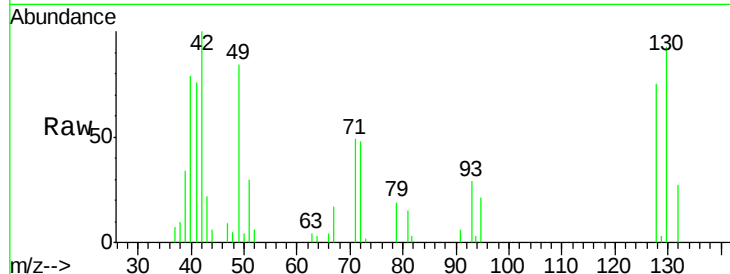




#29
Tetrahydrofuran
Concen: 49.992 ug/l
RT: 6.43 min Scan# 509
Delta R.T. 0.01 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

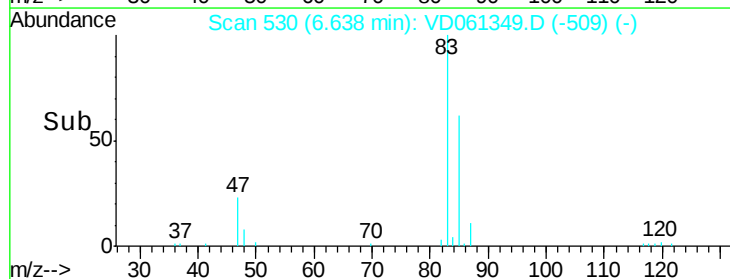
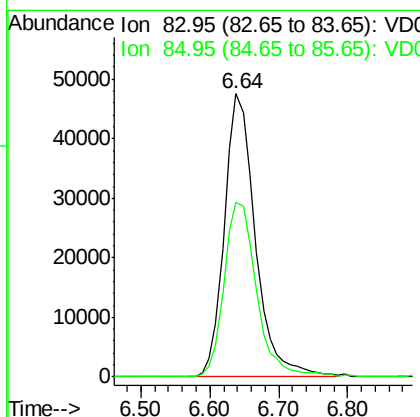
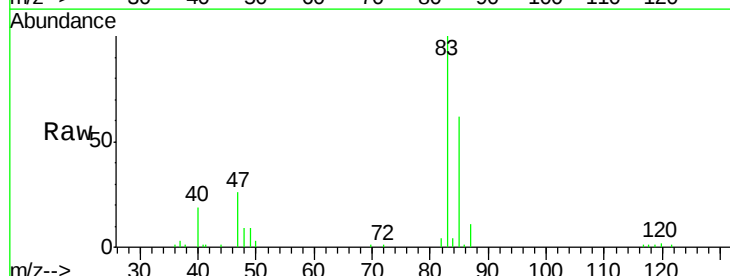
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

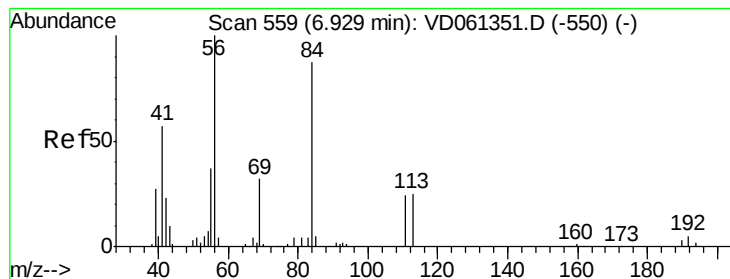
Tgt Ion: 42 Resp: 51912
Ion Ratio Lower Upper
42 100
72 45.8 37.4 56.0
71 48.3 36.7 55.1



#30
Chloroform
Concen: 9.973 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.00 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

Tgt Ion: 83 Resp: 148797
Ion Ratio Lower Upper
83 100
85 61.7 53.0 79.4





#31

Cyclohexane

Concen: 9.718 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.00 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

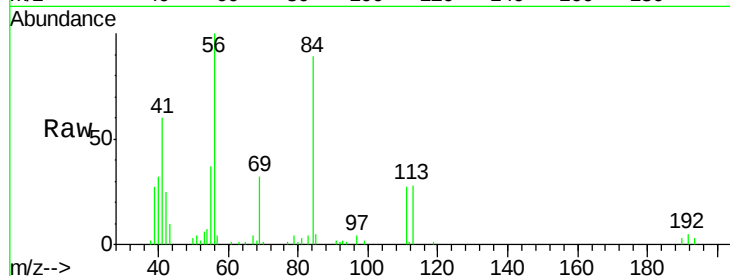
Tgt Ion: 56 Resp: 110894

Ion Ratio Lower Upper

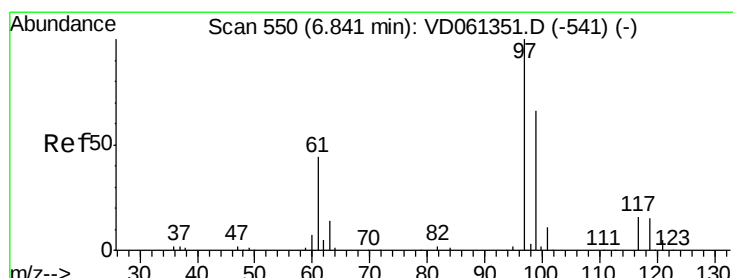
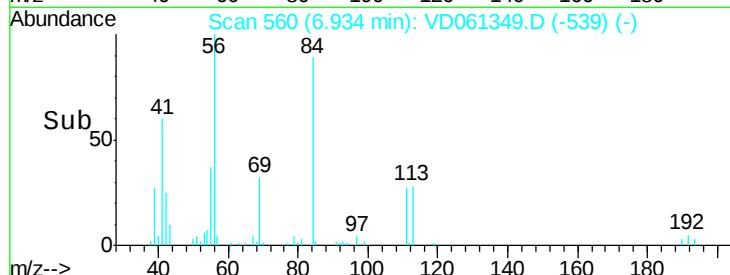
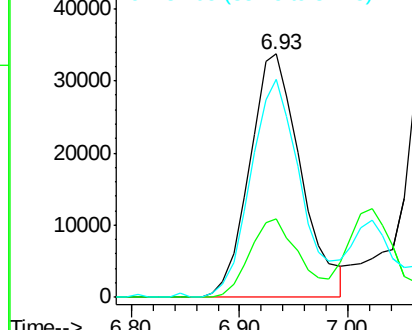
56 100

69 32.1 25.7 38.5

84 89.4 70.6 105.8



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 9.665 ug/l

RT: 6.85 min Scan# 551

Delta R.T. 0.00 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

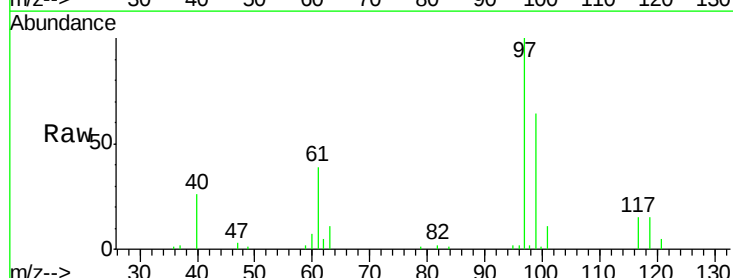
Tgt Ion: 97 Resp: 127229

Ion Ratio Lower Upper

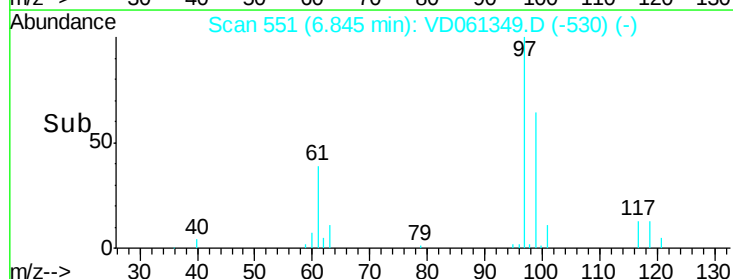
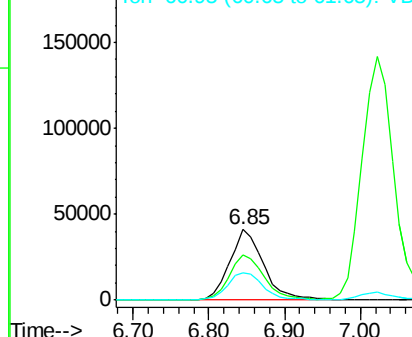
97 100

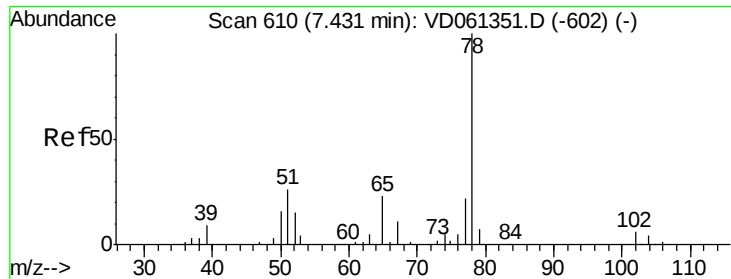
99 63.9 53.1 79.7

61 39.4 35.5 53.3



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC

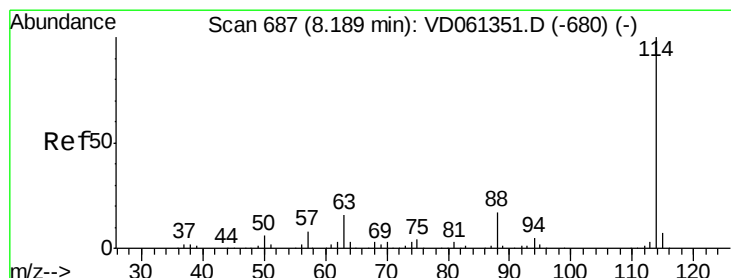
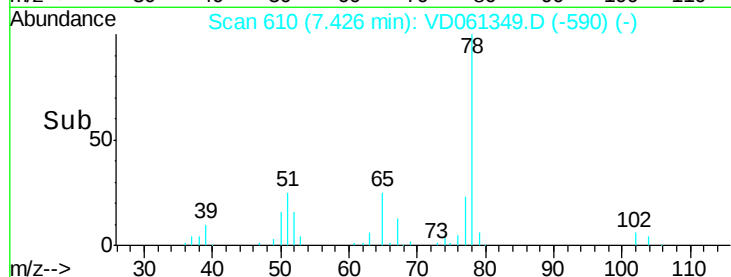
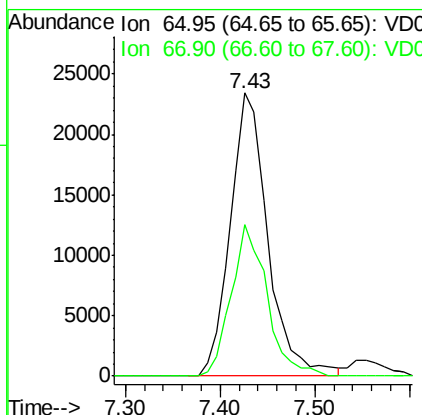
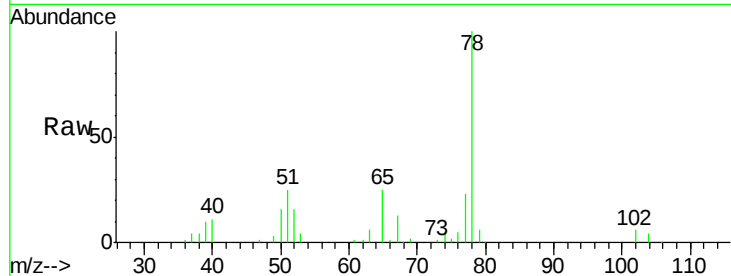




#33
 1,2-Dichloroethane-d4
 Concen: 9.665 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. -0.01 min
 Lab File: VD061349.D
 Acq: 27 Mar 2019 12:11

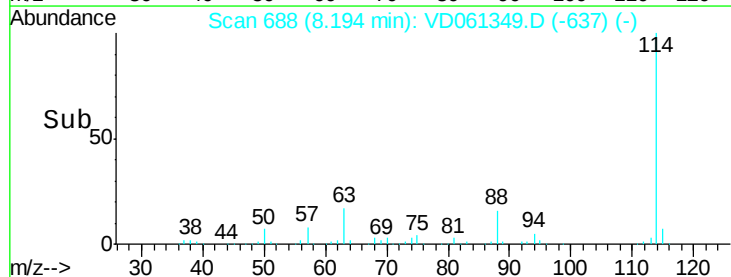
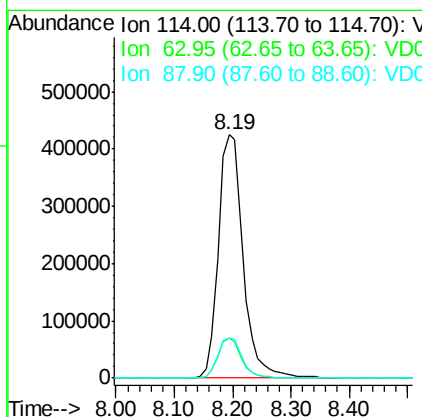
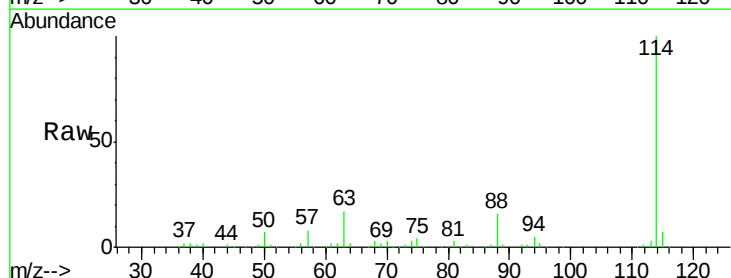
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

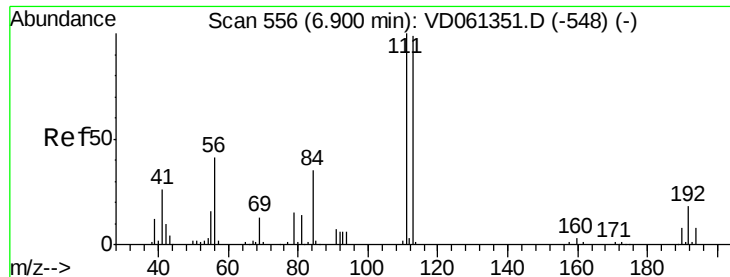
Tgt Ion: 65 Resp: 64415
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.19 min Scan# 688
 Delta R.T. 0.00 min
 Lab File: VD061349.D
 Acq: 27 Mar 2019 12:11

Tgt Ion: 114 Resp: 1248995
 Ion Ratio Lower Upper
 114 100
 63 16.5 0.0 31.6
 88 16.5 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.90 min Scan# 557

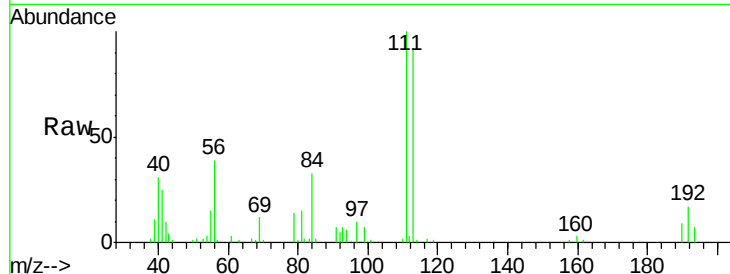
Delta R.T. 0.00 min

Lab File: VD061349.D

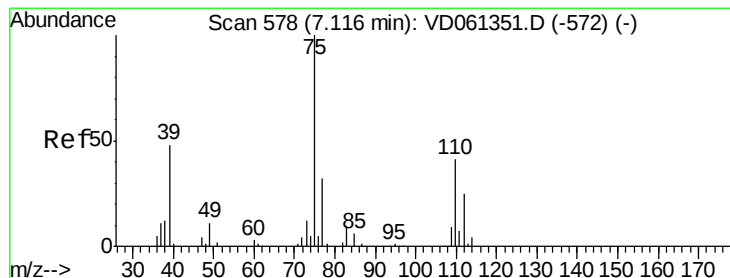
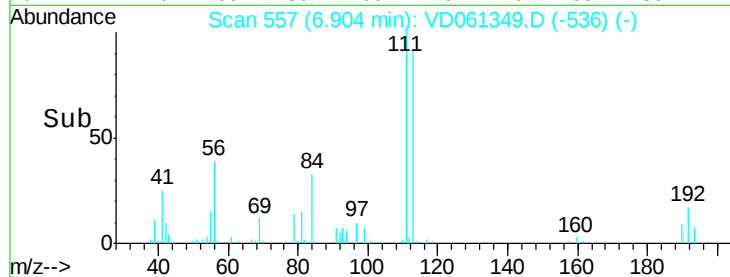
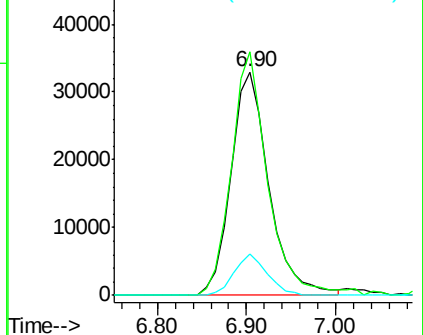
Acq: 27 Mar 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:	113	Resp:	98099
Ion	Ratio	Lower	Upper
113	100		
111	108.9	81.0	121.6
192	18.7	14.4	21.6



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 10.691 ug/l

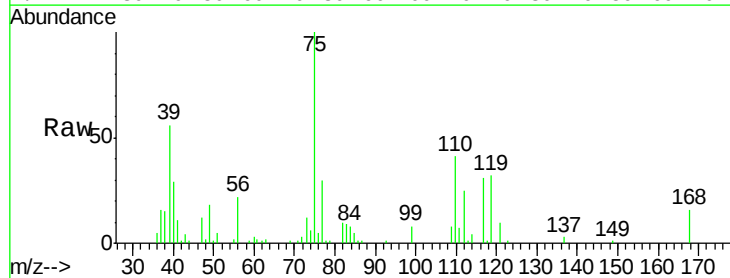
RT: 7.12 min Scan# 579

Delta R.T. 0.00 min

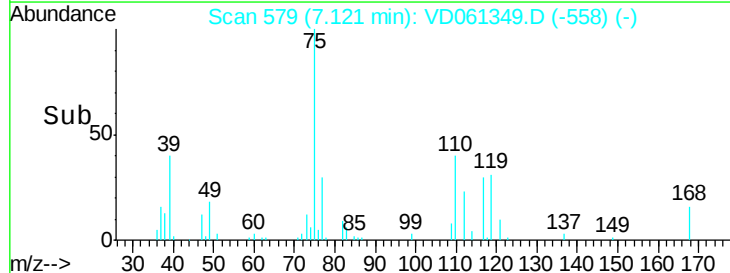
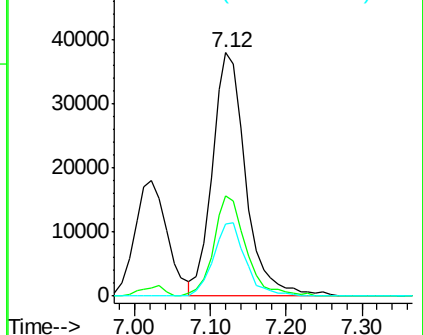
Lab File: VD061349.D

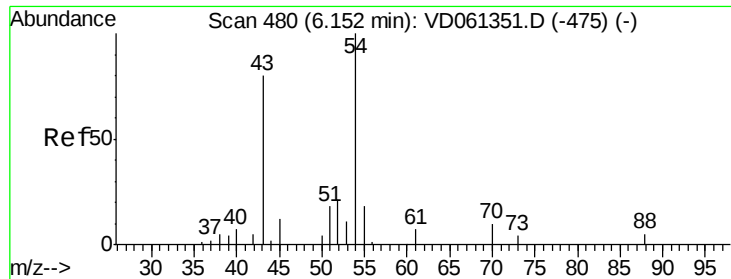
Acq: 27 Mar 2019 12:11

Tgt Ion:	75	Resp:	116545
Ion	Ratio	Lower	Upper
75	100		
110	41.2	20.4	61.3
77	29.7	24.9	37.3



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC





#37

Ethyl Acetate

Concen: 10.601 ug/l

RT: 6.16 min Scan# 481

Delta R.T. 0.00 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC010

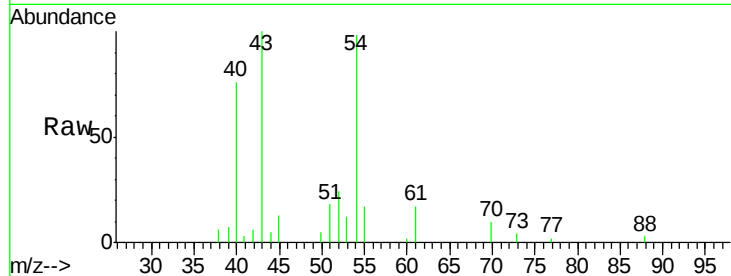
Tgt Ion: 43 Resp: 49421

Ion Ratio Lower Upper

43 100

61 16.9 13.8 20.8

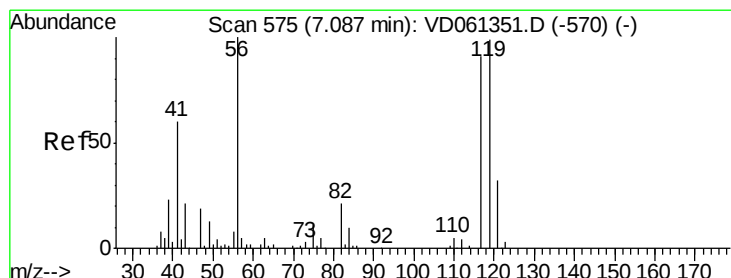
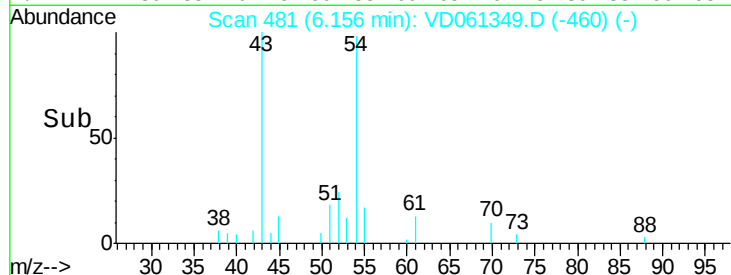
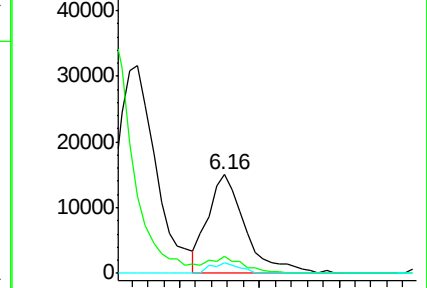
70 10.4 7.8 11.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 10.392 ug/l

RT: 7.09 min Scan# 576

Delta R.T. 0.00 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

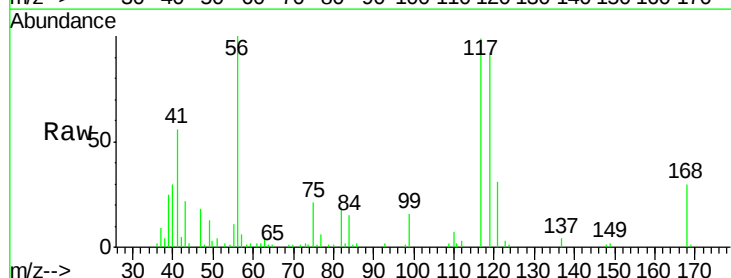
Tgt Ion: 117 Resp: 128981

Ion Ratio Lower Upper

117 100

119 93.5 80.1 120.1

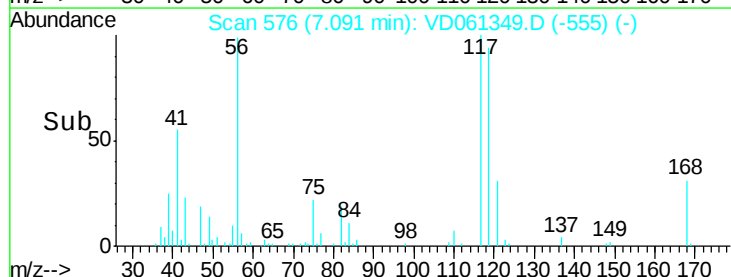
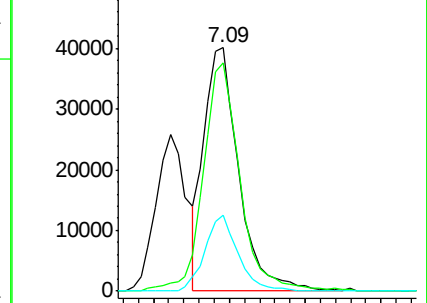
121 30.9 25.6 38.4

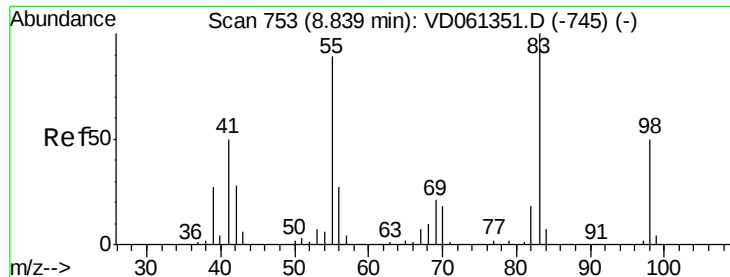


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V

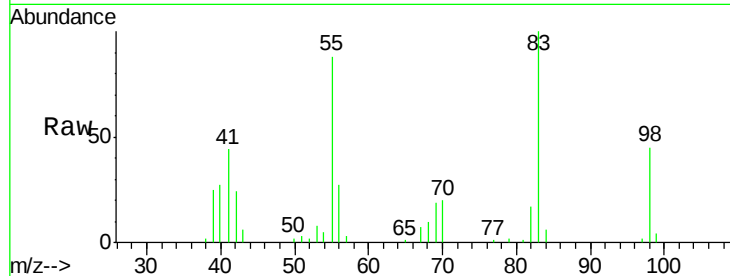




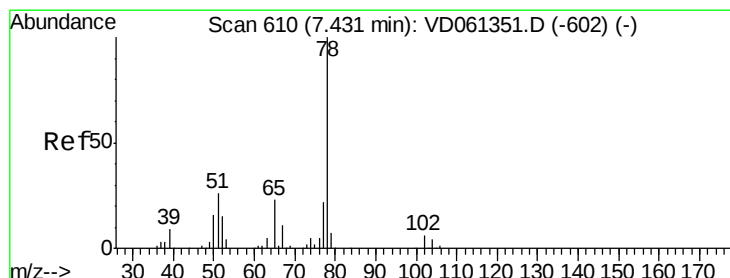
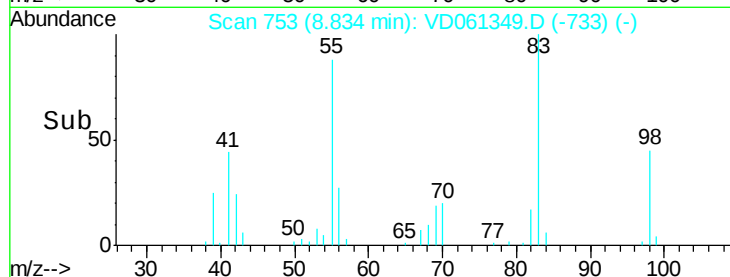
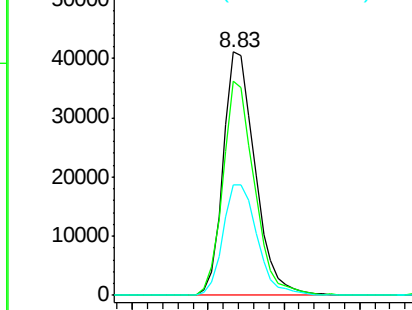
#39
Methylcyclohexane
Concen: 10.577 ug/l
RT: 8.83 min Scan# 753
Delta R.T. -0.01 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 83 Resp: 120087
Ion Ratio Lower Upper
83 100
55 88.2 71.5 107.3
98 45.3 40.3 60.5

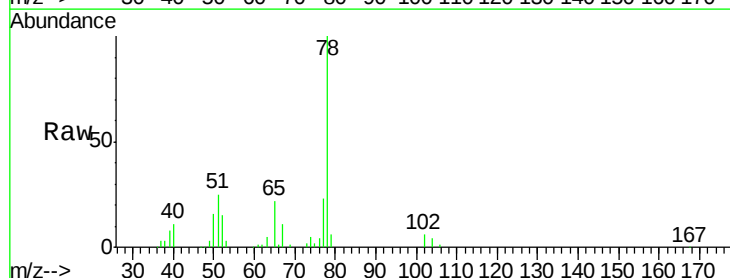


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

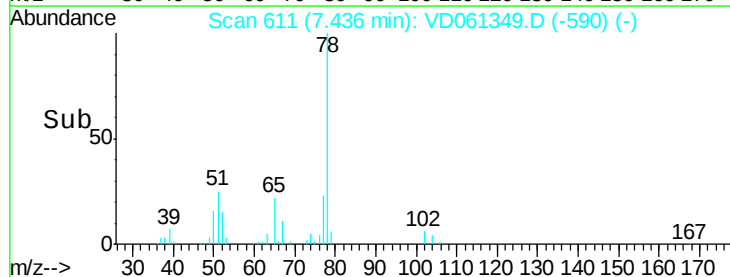
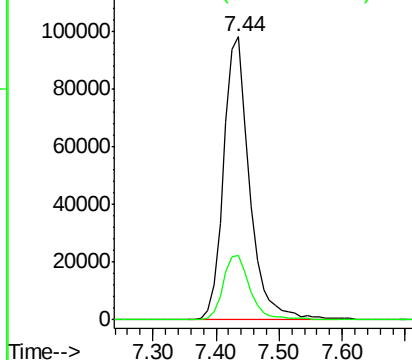


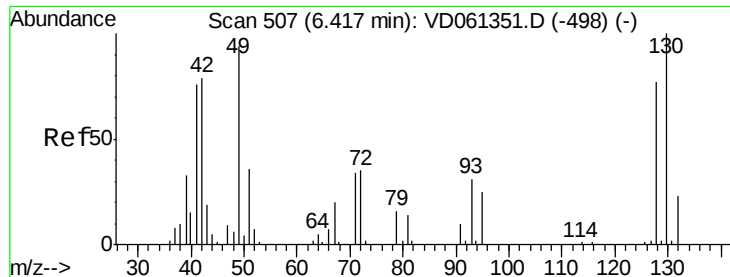
#40
Benzene
Concen: 10.257 ug/l
RT: 7.44 min Scan# 611
Delta R.T. 0.00 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

Tgt Ion: 78 Resp: 280616
Ion Ratio Lower Upper
78 100
77 22.9 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

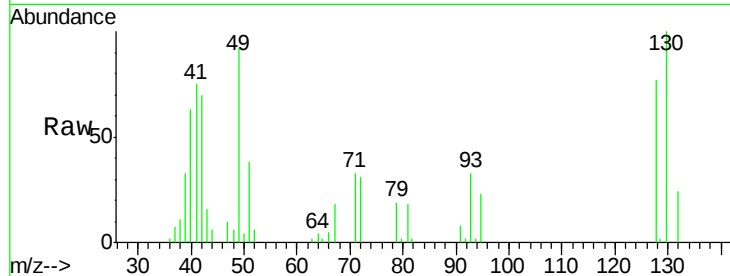




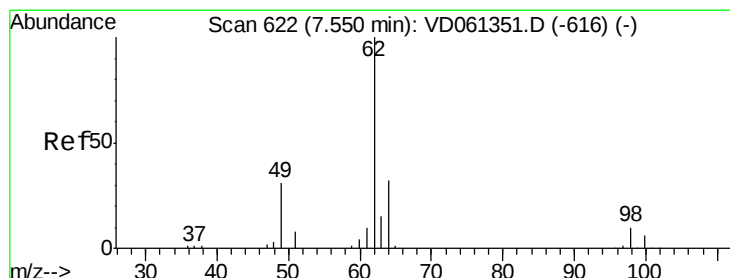
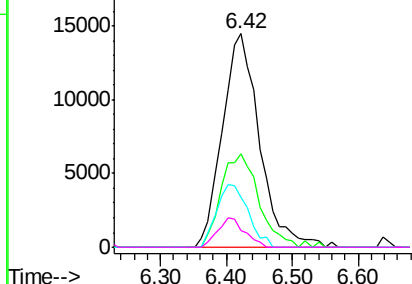
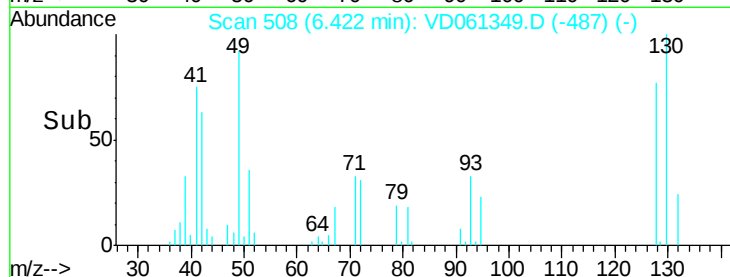
#41
Methacrylonitrile
Concen: 10.497 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 41 Resp: 57221
Ion Ratio Lower Upper
41 100
39 44.0 35.0 52.6
67 23.6 21.0 31.6
52 7.7 7.7 11.5

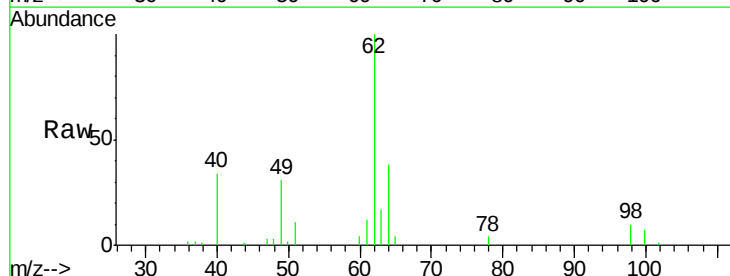


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

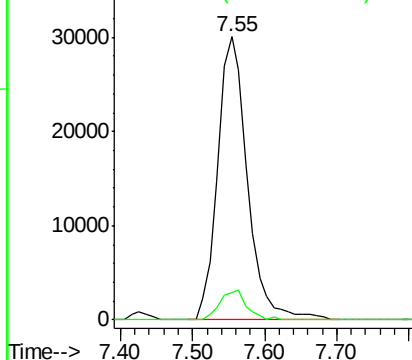
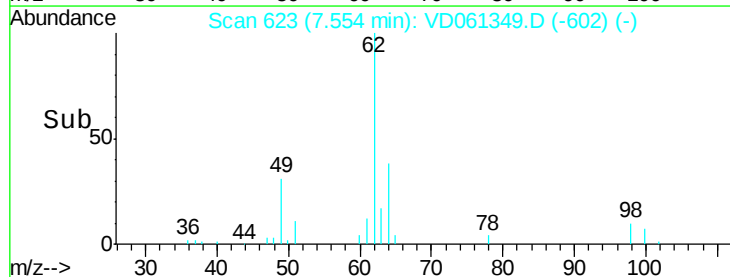


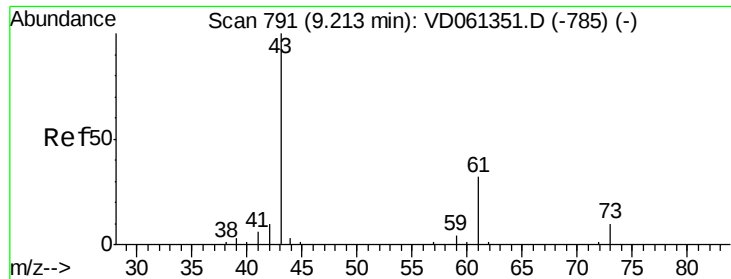
#42
1,2-Dichloroethane
Concen: 10.464 ug/l
RT: 7.55 min Scan# 623
Delta R.T. 0.00 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

Tgt Ion: 62 Resp: 85636
Ion Ratio Lower Upper
62 100
98 9.9 0.0 19.8



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 9.203 ug/l

RT: 9.22 min Scan# 792

Delta R.T. 0.00 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

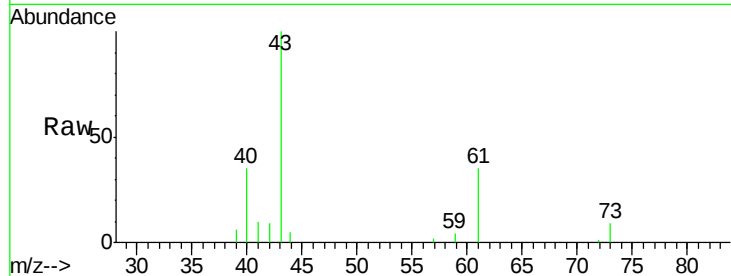
Tgt Ion: 43 Resp: 62424

Ion Ratio Lower Upper

43 100

61 35.0 25.8 38.6

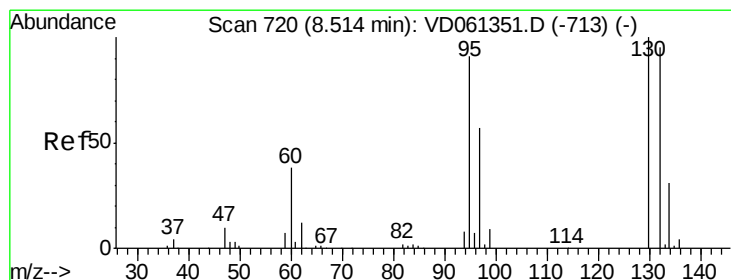
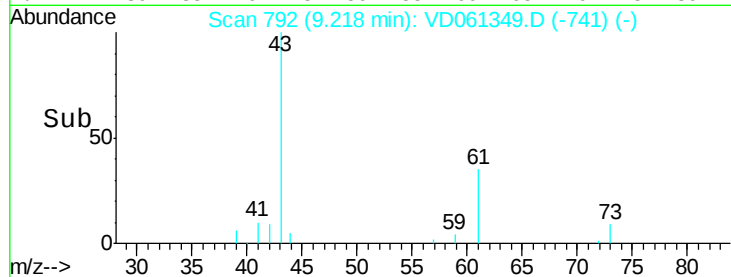
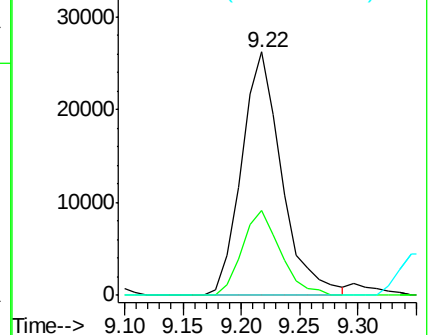
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 10.304 ug/l

RT: 8.52 min Scan# 721

Delta R.T. 0.00 min

Lab File: VD061349.D

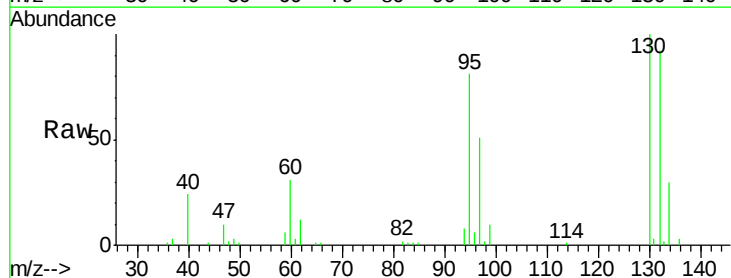
Acq: 27 Mar 2019 12:11

Tgt Ion: 130 Resp: 104904

Ion Ratio Lower Upper

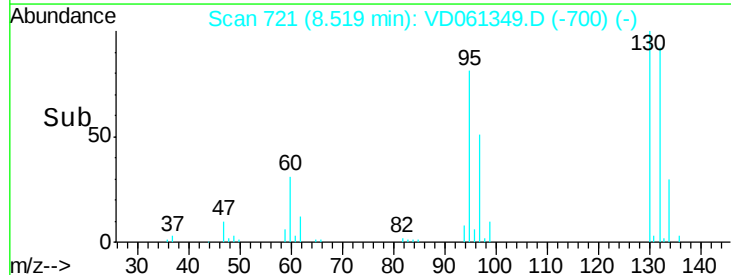
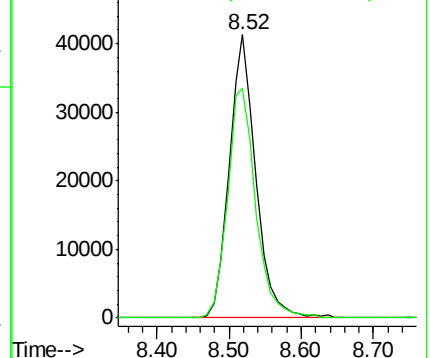
130 100

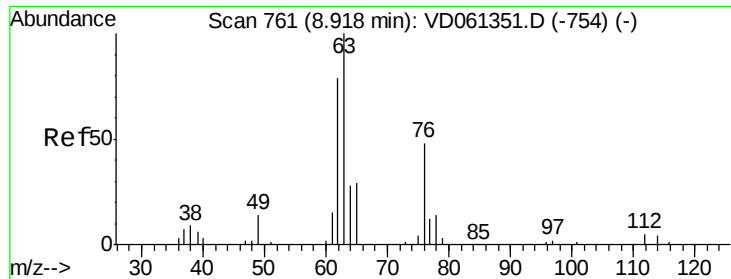
95 81.0 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 10.544 ug/l

RT: 8.91 min Scan# 761

Delta R.T. -0.01 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

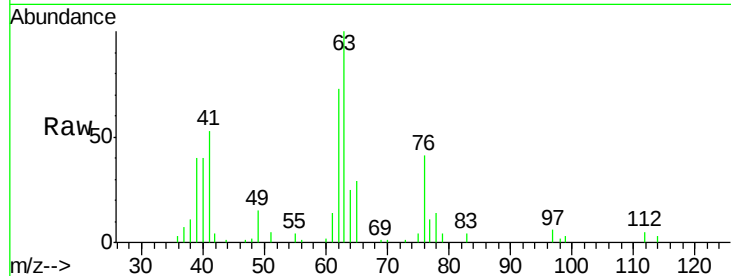
VSTDIC010

Tgt Ion: 63 Resp: 73144

Ion Ratio Lower Upper

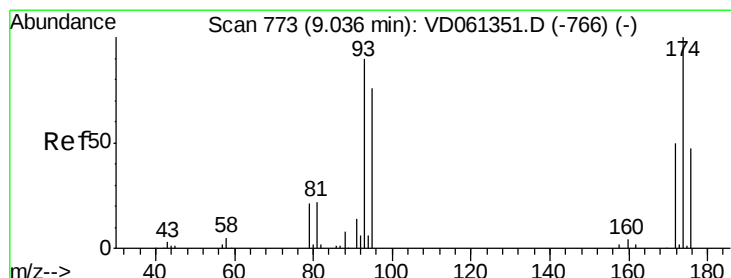
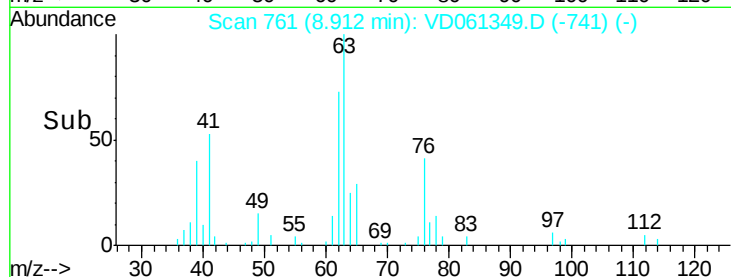
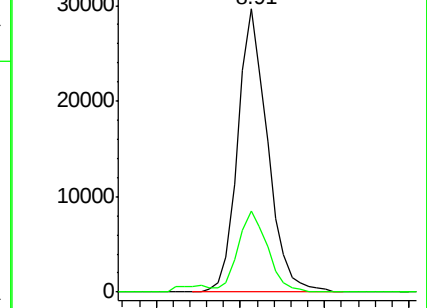
63 100

65 28.8 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 9.959 ug/l

RT: 9.04 min Scan# 774

Delta R.T. 0.00 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

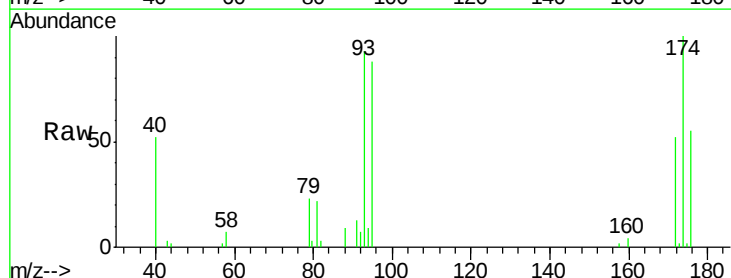
Tgt Ion: 93 Resp: 46500

Ion Ratio Lower Upper

93 100

95 94.3 67.4 101.0

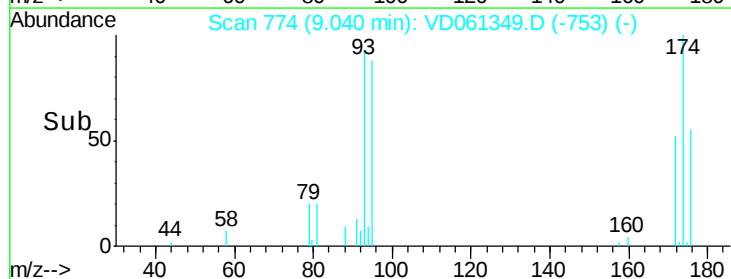
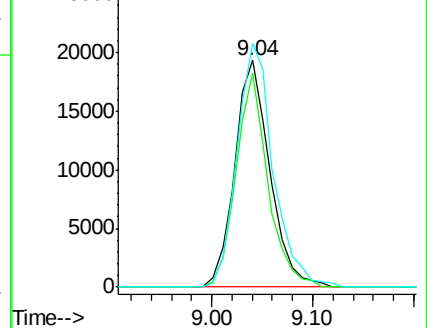
174 107.4 88.9 133.3

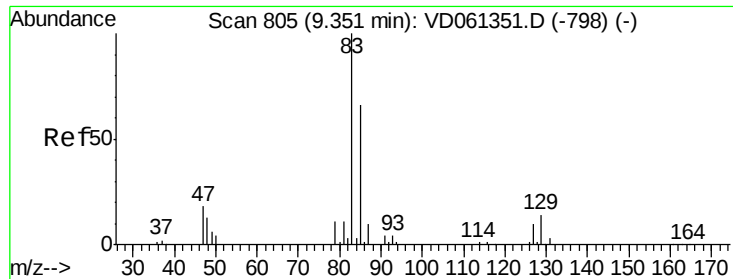


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 9.831 ug/l

RT: 9.36 min Scan# 806

Delta R.T. 0.00 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

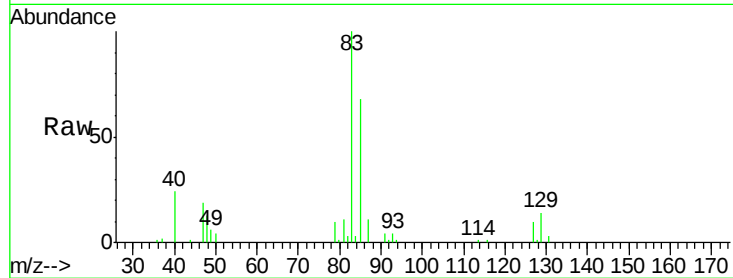
Tgt Ion: 83 Resp: 103024

Ion Ratio Lower Upper

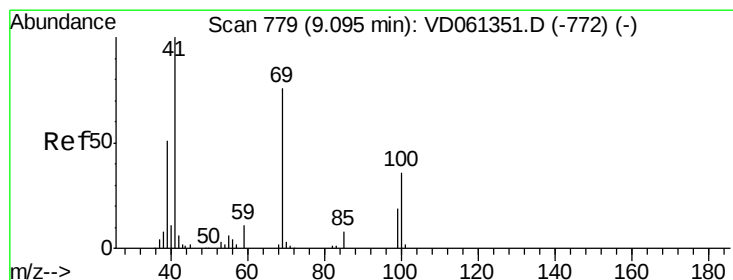
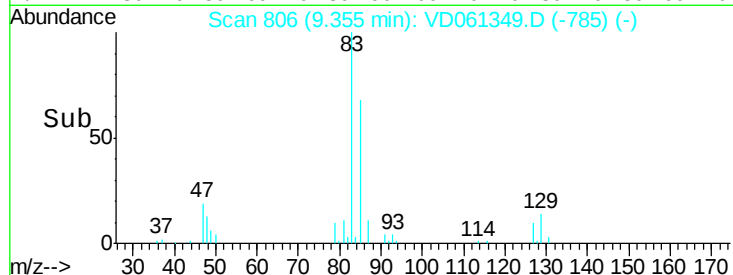
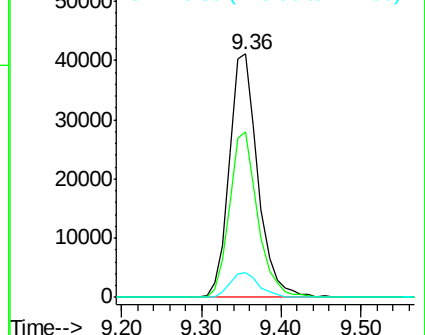
83 100

85 68.0 53.0 79.4

127 10.2 8.4 12.6



Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 10.399 ug/l

RT: 9.09 min Scan# 779

Delta R.T. -0.01 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

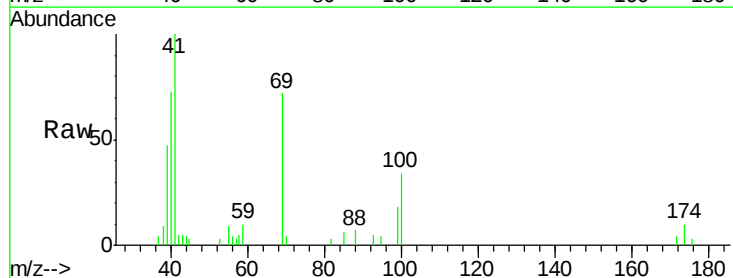
Tgt Ion: 41 Resp: 38930

Ion Ratio Lower Upper

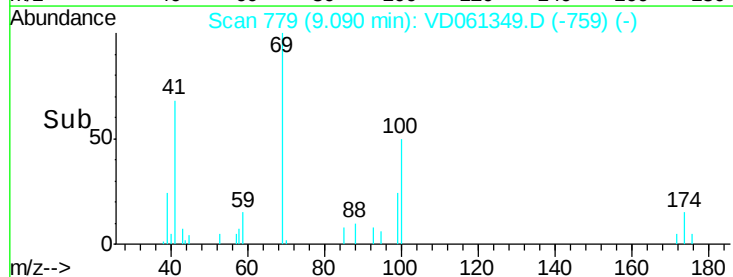
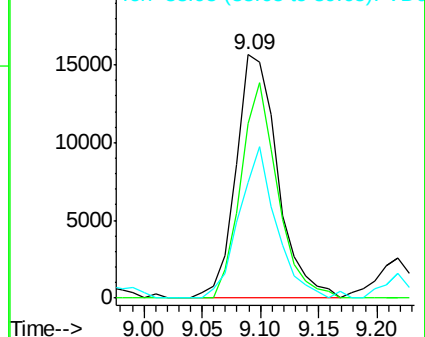
41 100

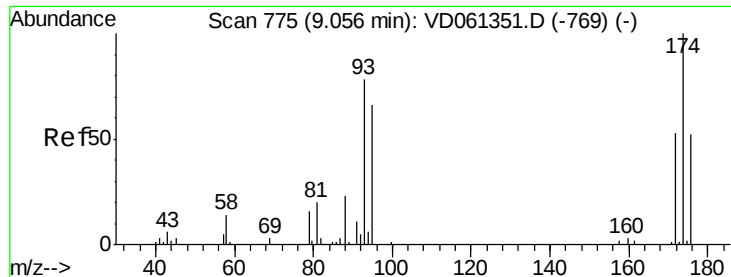
69 71.6 60.2 90.4

39 47.3 41.4 62.2



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC

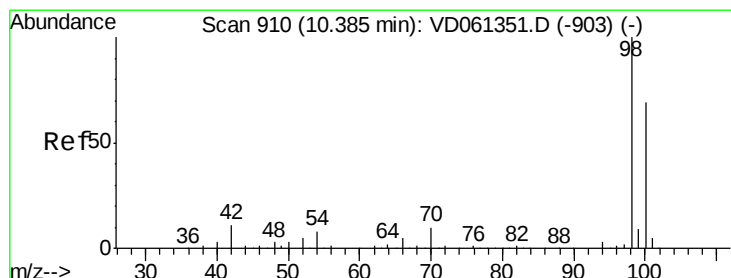
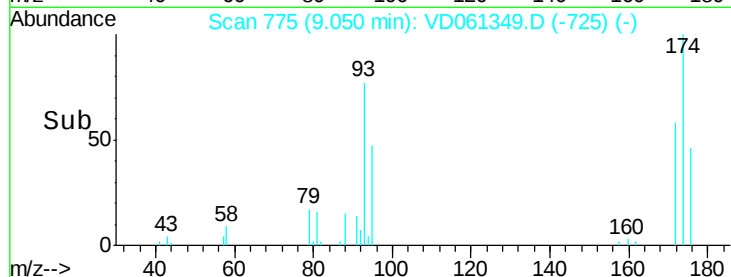
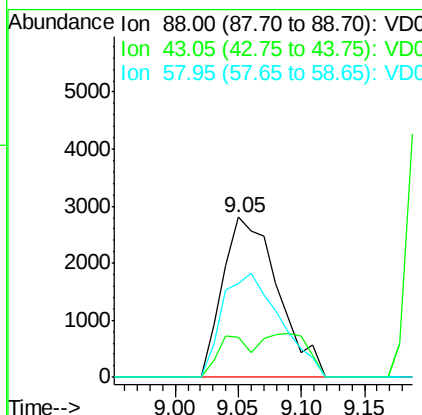
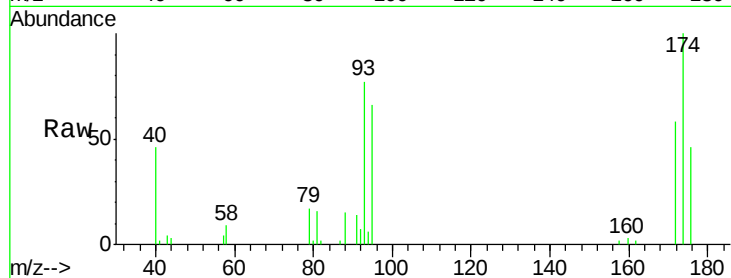




#49
1,4-Dioxane
Concen: 206.581 ug/l
RT: 9.05 min Scan# 775
Delta R.T. -0.01 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

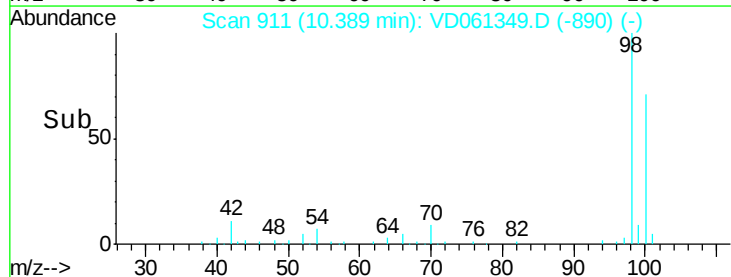
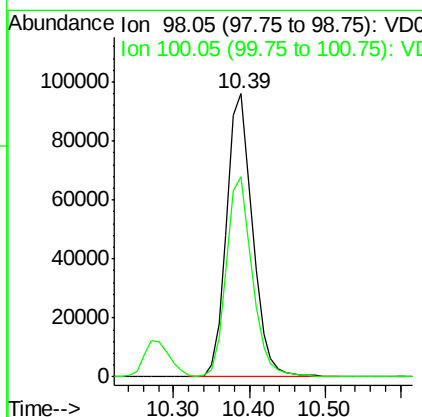
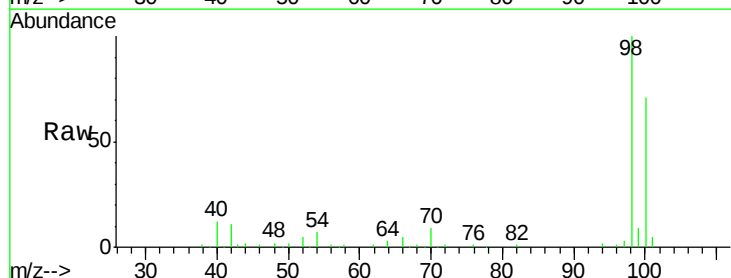
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

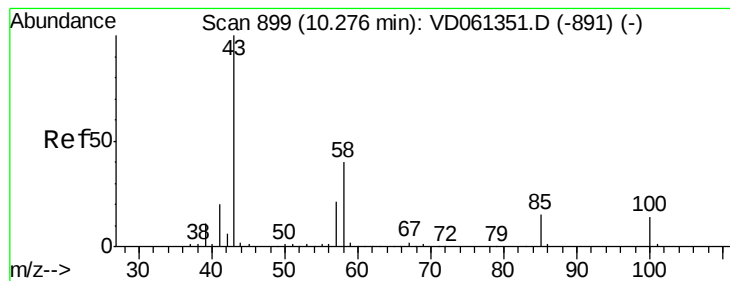
Tgt Ion: 88 Resp: 8530
Ion Ratio Lower Upper
88 100
43 24.9 23.3 34.9
58 58.8 50.8 76.2



#50
Toluene-d8
Concen: 206.581 ug/l
RT: 10.39 min Scan# 911
Delta R.T. 0.00 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

Tgt Ion: 98 Resp: 227729
Ion Ratio Lower Upper
98 100
100 70.7 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 53.885 ug/l

RT: 10.27 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

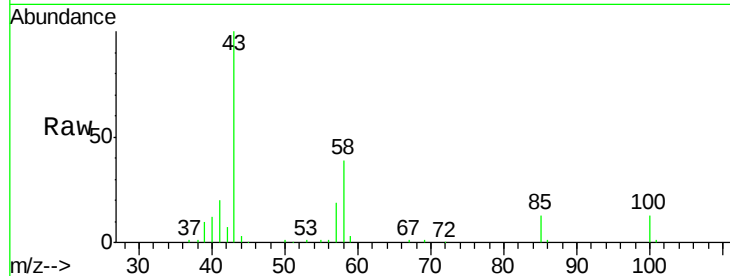
VSTDIC010

Tgt Ion: 43 Resp: 222374

Ion Ratio Lower Upper

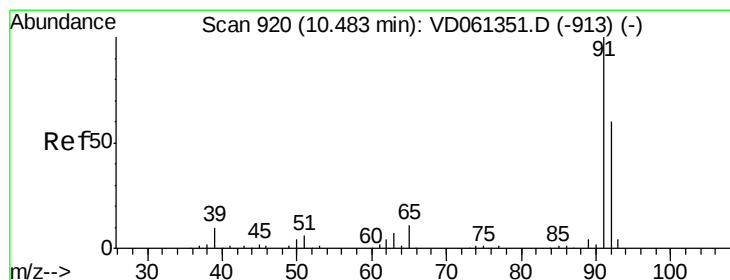
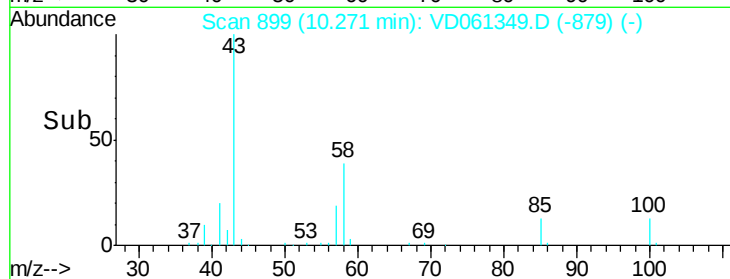
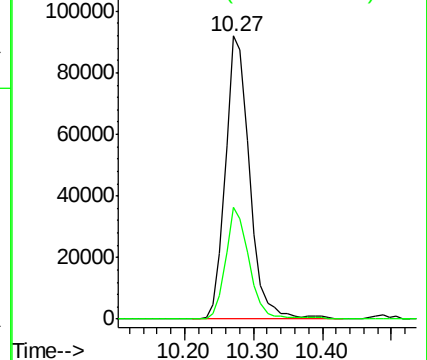
43 100

58 39.4 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 11.106 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.00 min

Lab File: VD061349.D

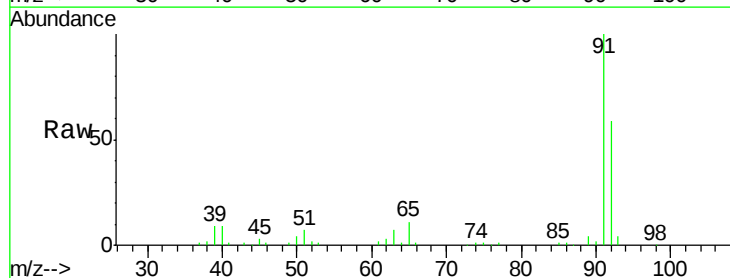
Acq: 27 Mar 2019 12:11

Tgt Ion: 92 Resp: 185364

Ion Ratio Lower Upper

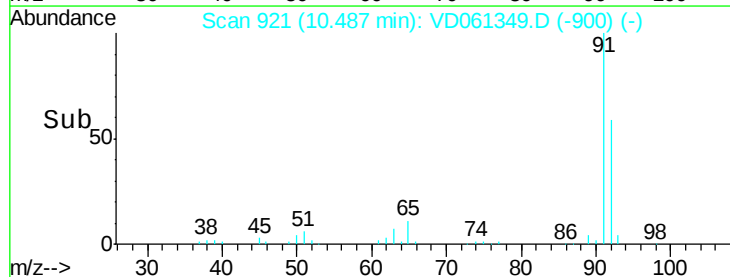
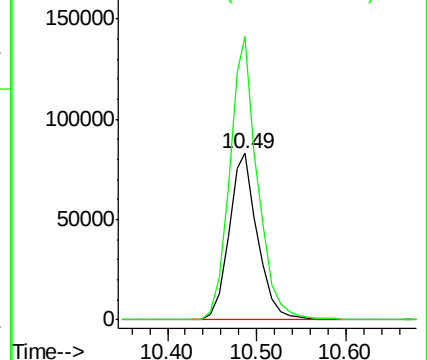
92 100

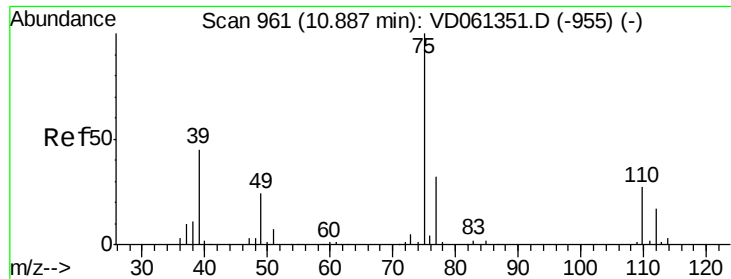
91 170.0 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

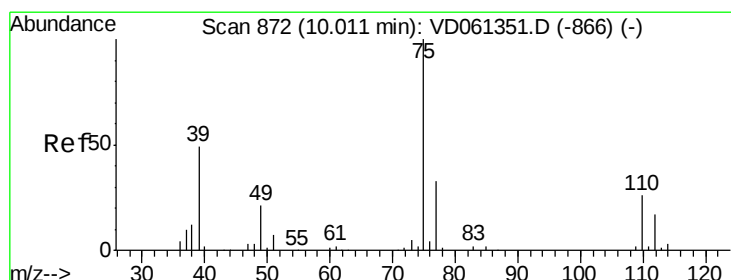
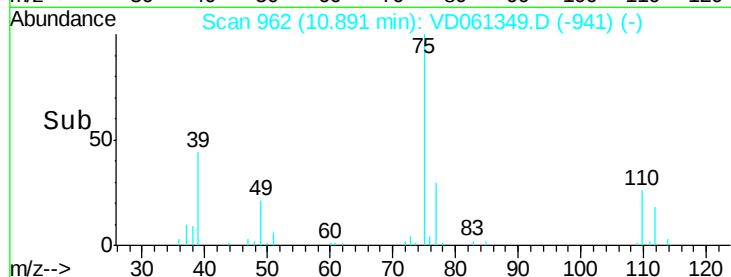
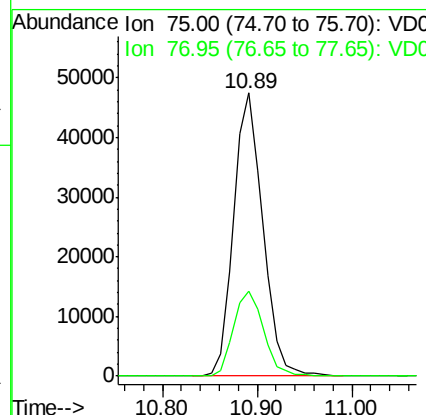
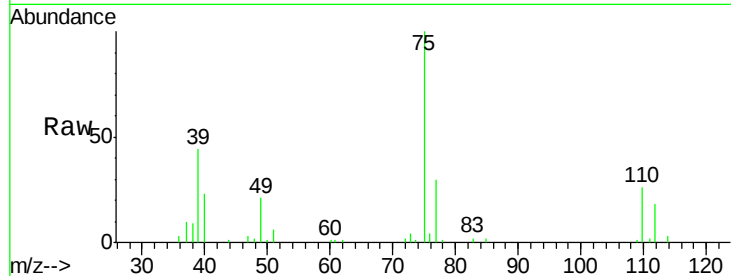




#53
 t-1,3-Dichloropropene
 Concen: 10.609 ug/l
 RT: 10.89 min Scan# 962
 Delta R.T. 0.00 min
 Lab File: VD061349.D
 Acq: 27 Mar 2019 12:11

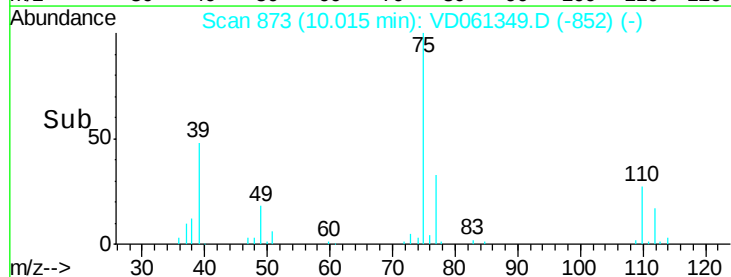
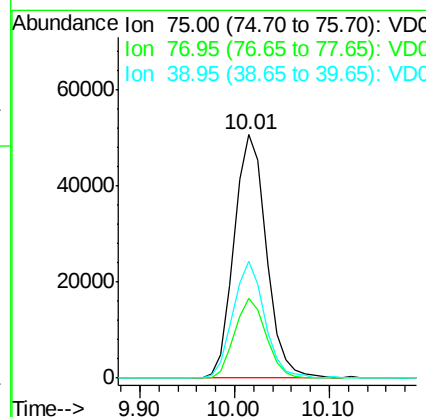
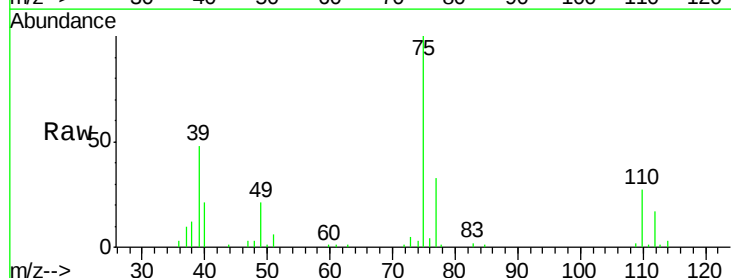
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

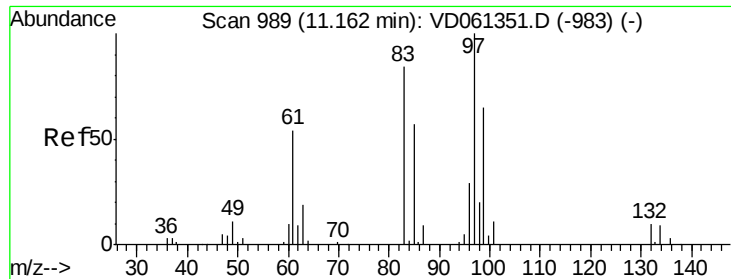
Tgt Ion: 75 Resp: 101015
 Ion Ratio Lower Upper
 75 100
 77 30.1 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 10.297 ug/l
 RT: 10.01 min Scan# 873
 Delta R.T. 0.00 min
 Lab File: VD061349.D
 Acq: 27 Mar 2019 12:11

Tgt Ion: 75 Resp: 119384
 Ion Ratio Lower Upper
 75 100
 77 33.0 26.2 39.4
 39 47.8 39.4 59.0

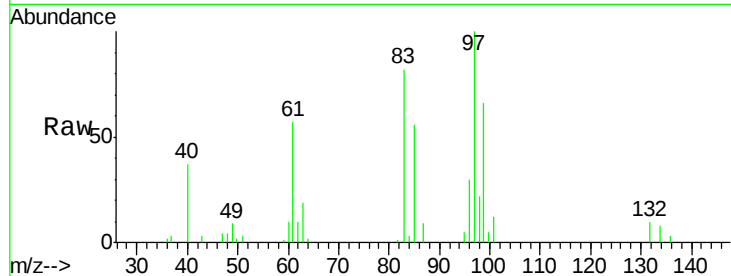




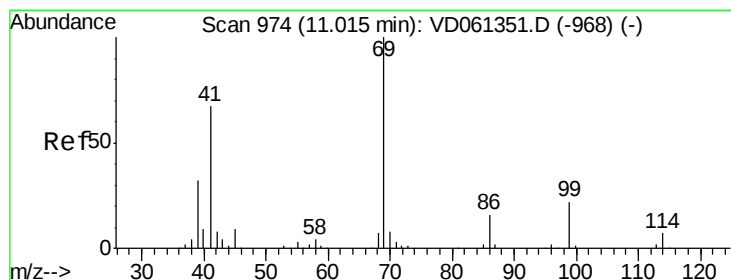
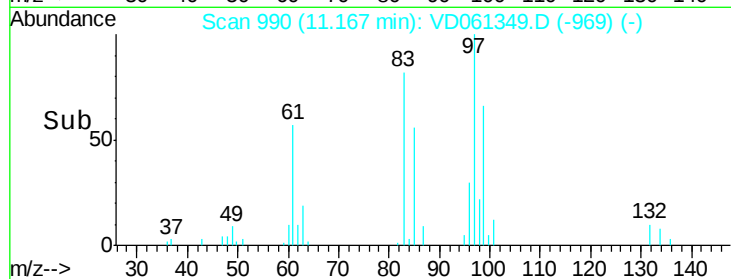
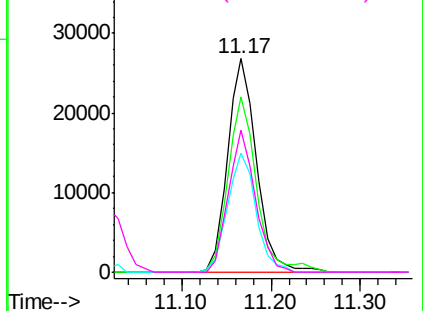
#55
 1,1,2-Trichloroethane
 Concen: 10.468 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VD061349.D
 Acq: 27 Mar 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion:	97	Resp:	61103
Ion	Ratio	Lower	Upper
97	100		
83	82.4	67.0	100.6
85	55.9	45.4	68.2
99	66.4	51.9	77.9

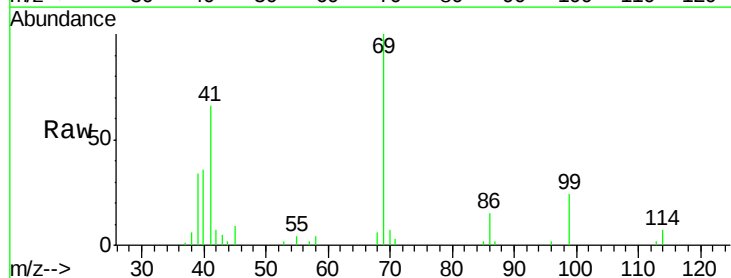


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

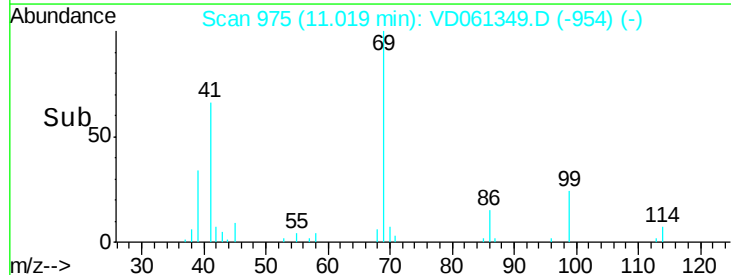
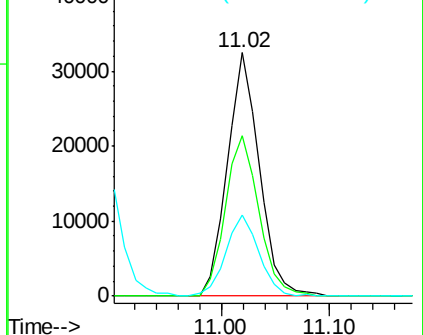


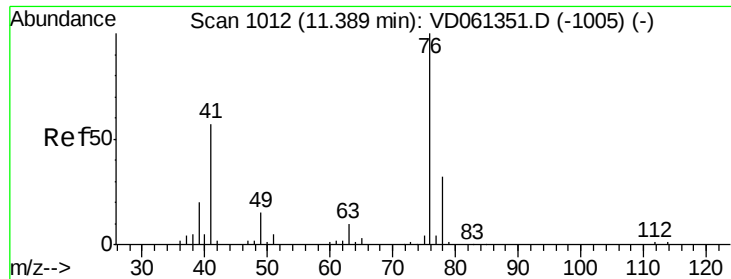
#56
 Ethyl methacrylate
 Concen: 10.607 ug/l
 RT: 11.02 min Scan# 975
 Delta R.T. 0.00 min
 Lab File: VD061349.D
 Acq: 27 Mar 2019 12:11

Tgt Ion:	69	Resp:	66512
Ion	Ratio	Lower	Upper
69	100		
41	66.1	53.8	80.6
39	33.5	26.4	39.6



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 10.510 ug/l

RT: 11.38 min Scan# 1012

Delta R.T. -0.01 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

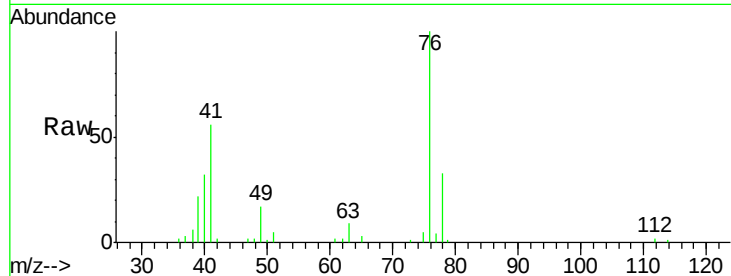
VSTDIC010

Tgt Ion: 76 Resp: 90169

Ion Ratio Lower Upper

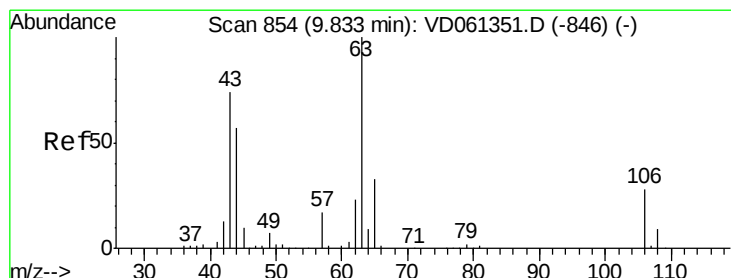
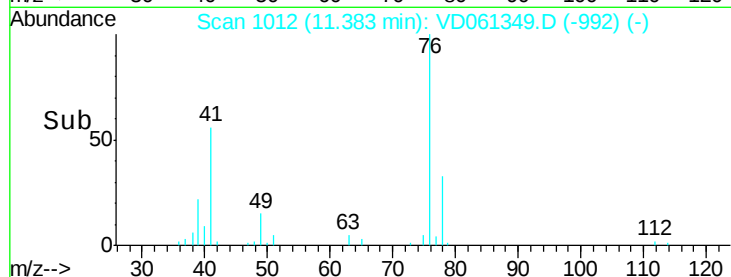
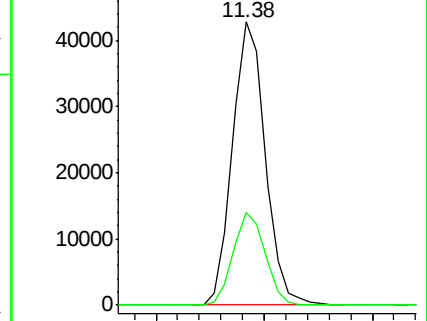
76 100

78 32.7 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 60.461 ug/l

RT: 9.83 min Scan# 854

Delta R.T. -0.01 min

Lab File: VD061349.D

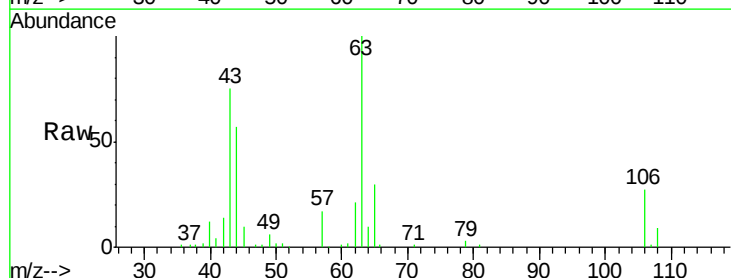
Acq: 27 Mar 2019 12:11

Tgt Ion: 63 Resp: 184631

Ion Ratio Lower Upper

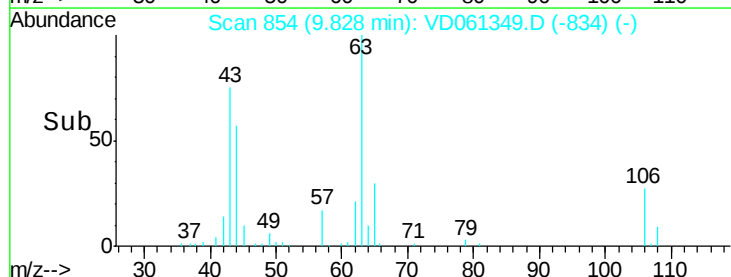
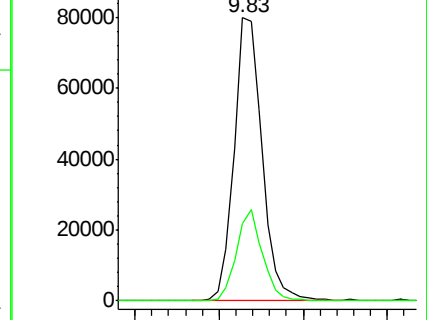
63 100

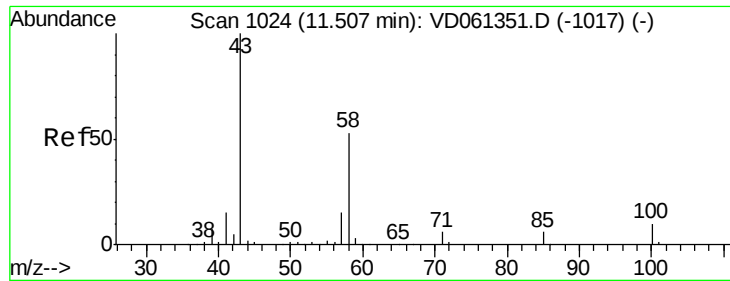
106 27.2 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

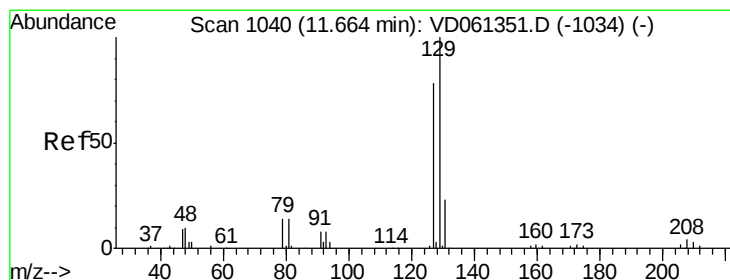
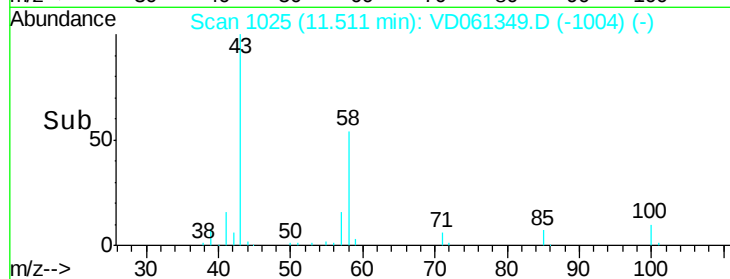
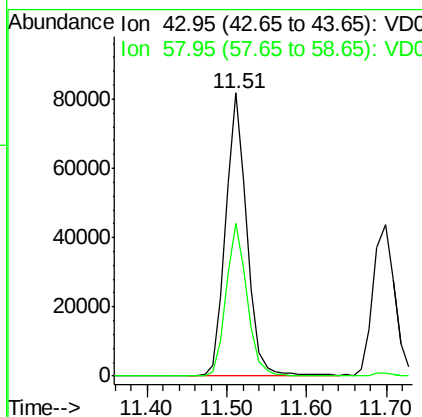
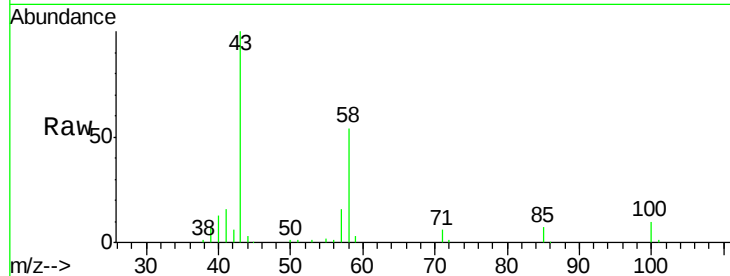




#59
2-Hexanone
Concen: 51.323 ug/l
RT: 11.51 min Scan# 1025
Delta R.T. 0.00 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

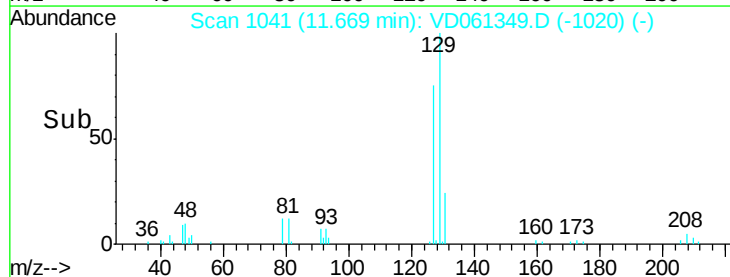
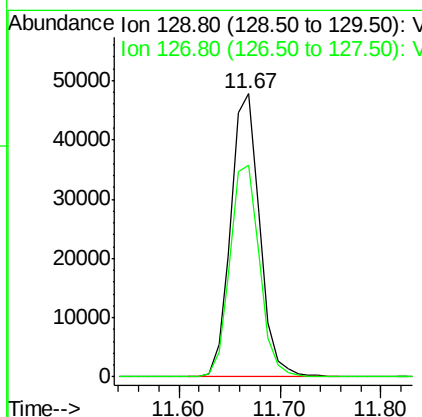
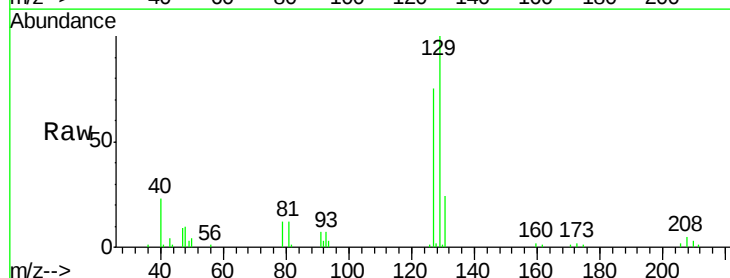
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

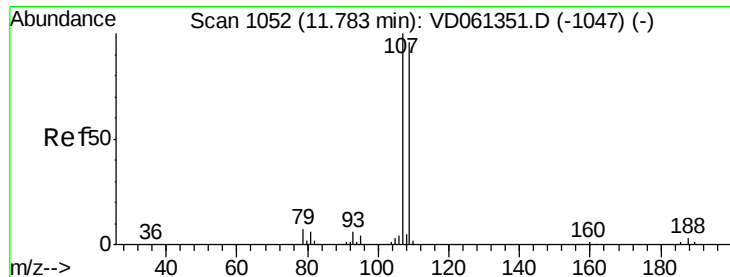
Tgt Ion: 43 Resp: 153458
Ion Ratio Lower Upper
43 100
58 53.9 26.3 78.9



#60
Dibromochloromethane
Concen: 10.561 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

Tgt Ion: 129 Resp: 95031
Ion Ratio Lower Upper
129 100
127 74.8 39.0 116.9

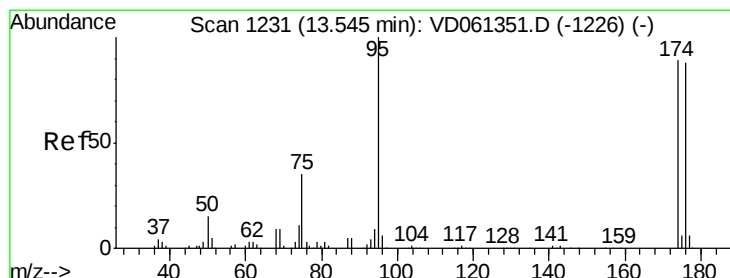
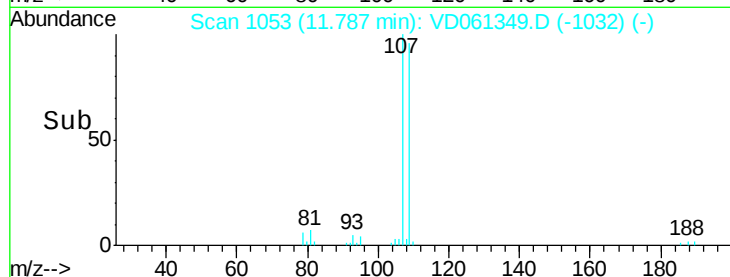
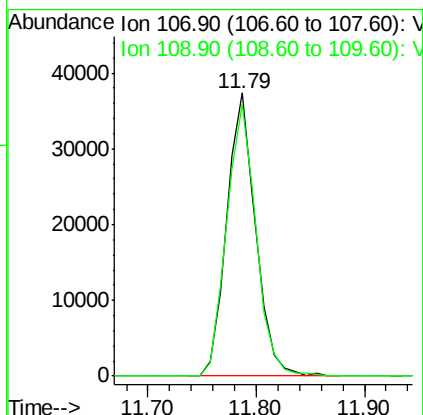
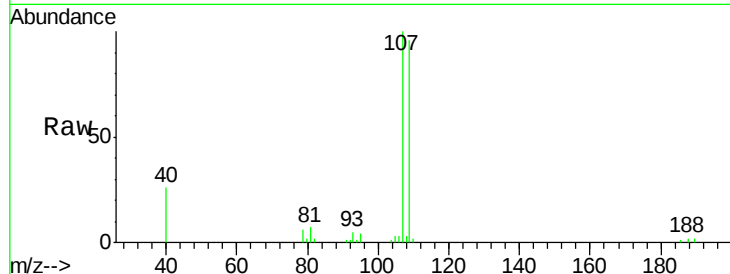




#61
 1,2-Dibromoethane
 Concen: 10.198 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD061349.D
 Acq: 27 Mar 2019 12:11

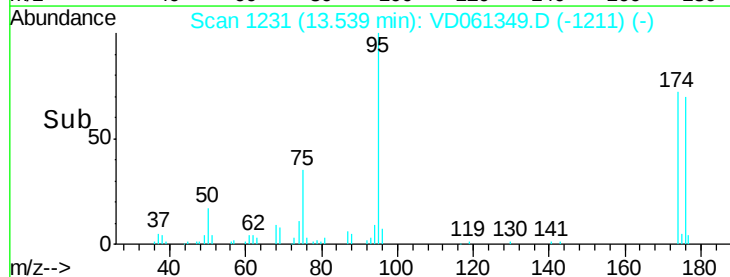
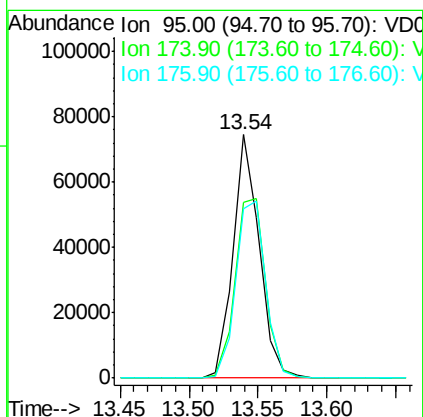
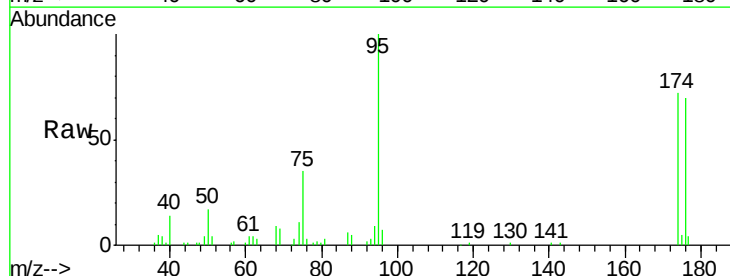
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

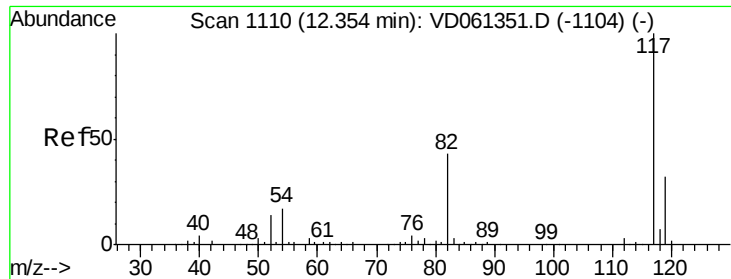
Tgt Ion: 107 Resp: 68928
 Ion Ratio Lower Upper
 107 100
 109 95.9 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 10.198 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.01 min
 Lab File: VD061349.D
 Acq: 27 Mar 2019 12:11

Tgt Ion: 95 Resp: 98104
 Ion Ratio Lower Upper
 95 100
 174 72.1 0.0 178.0
 176 69.8 0.0 175.0

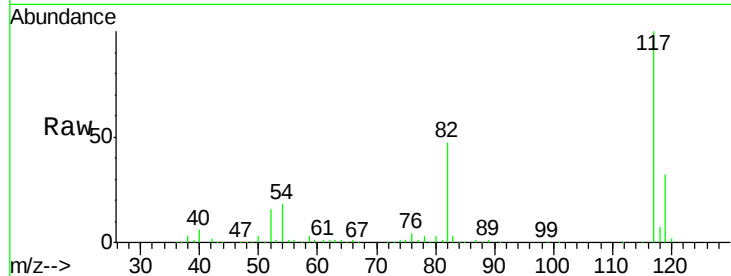




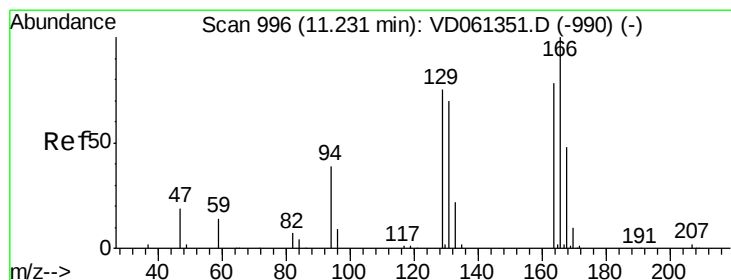
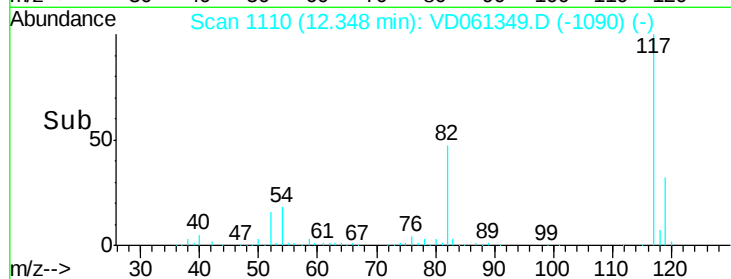
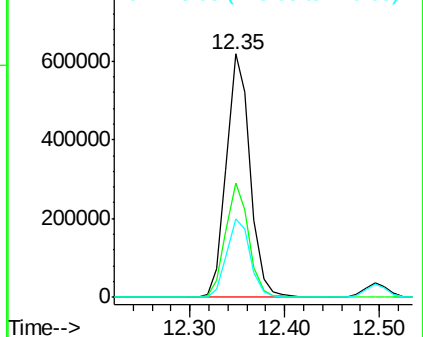
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:117 Resp: 1073018
Ion Ratio Lower Upper
117 100
82 46.8 34.4 51.6
119 32.5 25.8 38.6



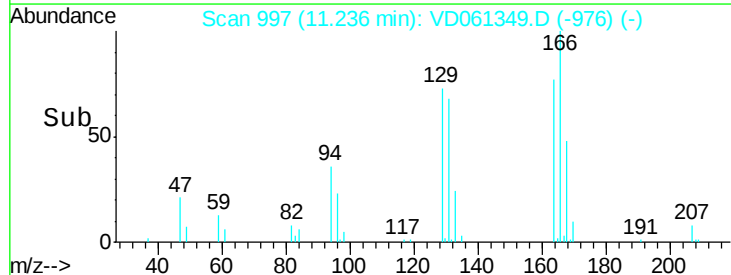
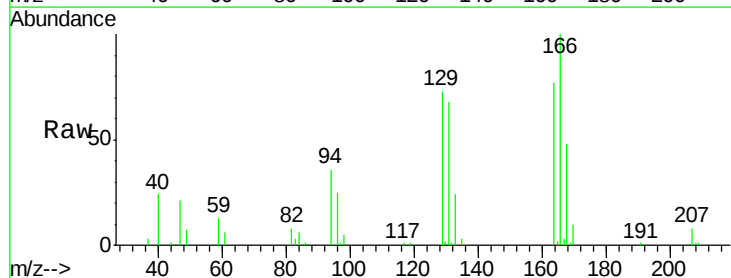
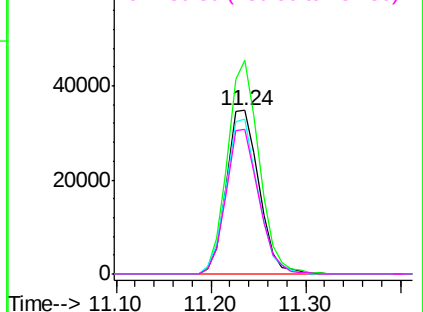
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

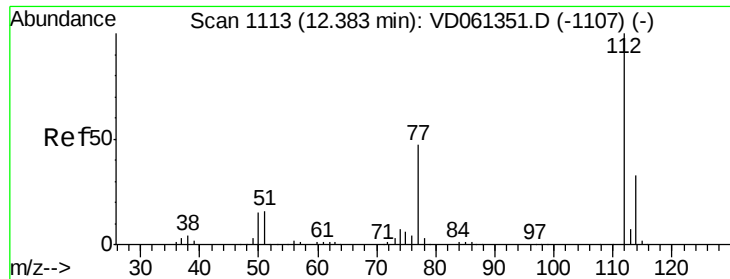


#64
Tetrachloroethene
Concen: 9.804 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.00 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

Tgt Ion:164 Resp: 82563
Ion Ratio Lower Upper
164 100
166 130.6 102.4 153.6
129 94.9 76.8 115.2
131 88.8 71.8 107.6

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

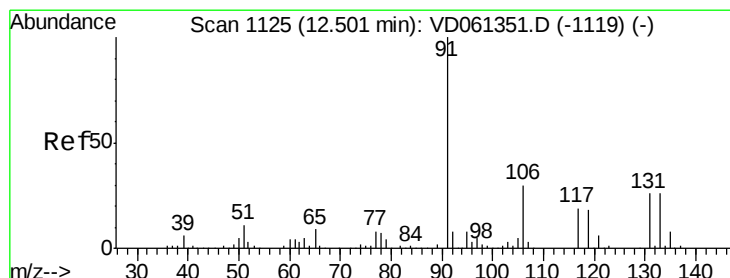
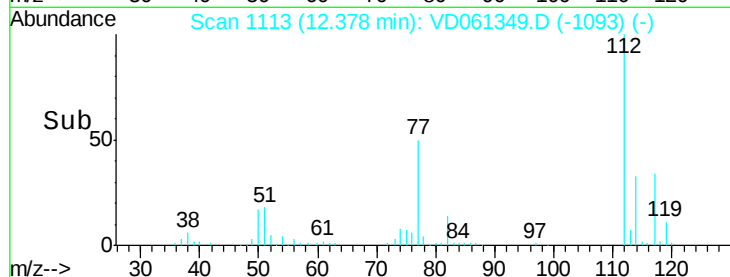
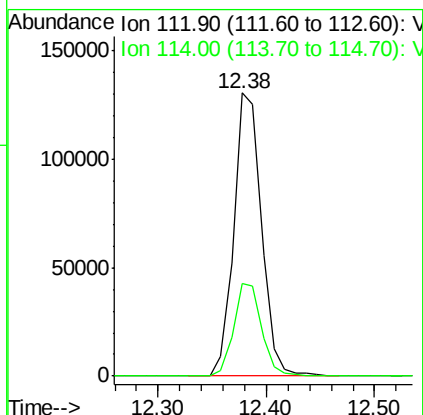
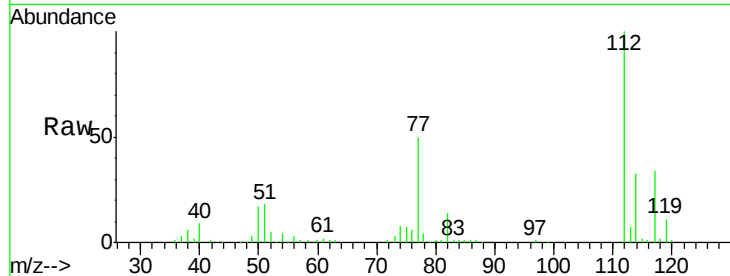




#65
Chlorobenzene
Concen: 10.575 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

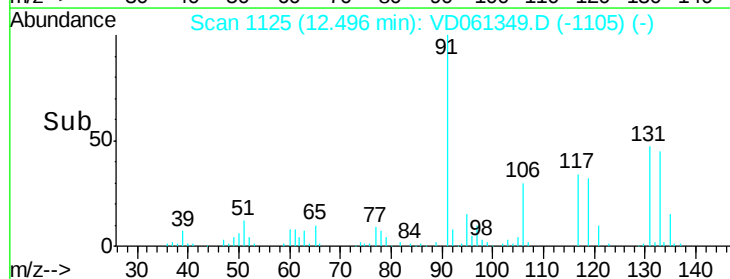
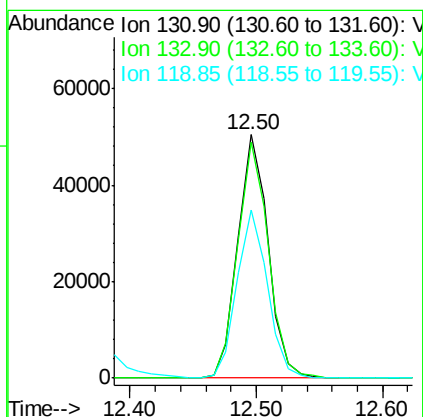
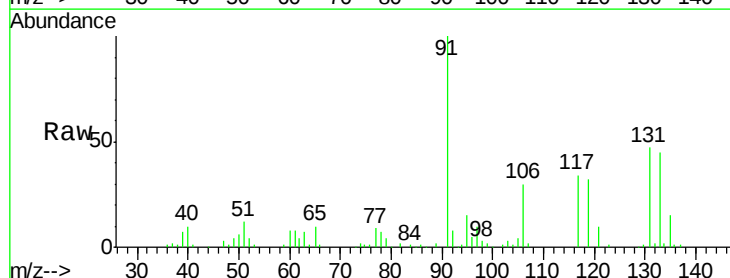
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

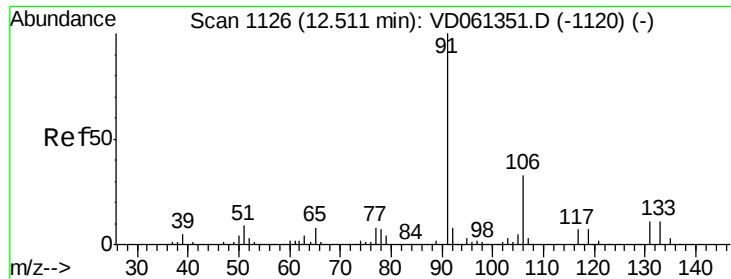
Tgt Ion:112 Resp: 231897
Ion Ratio Lower Upper
112 100
114 32.8 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 9.889 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

Tgt Ion:131 Resp: 83963
Ion Ratio Lower Upper
131 100
133 96.7 49.4 148.2
119 69.2 34.1 102.2

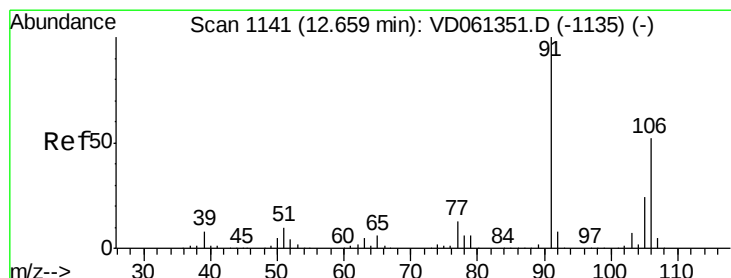
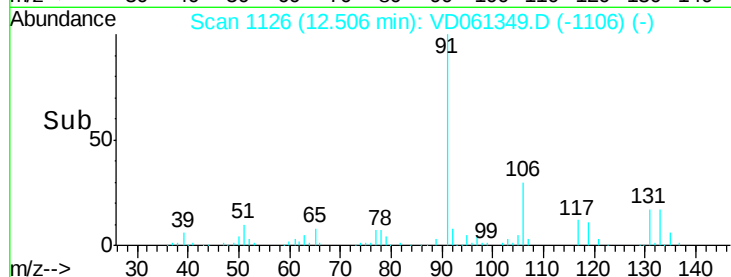
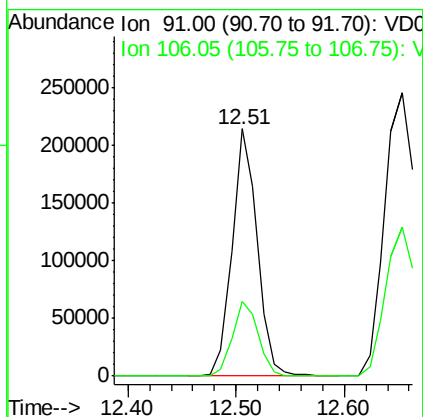
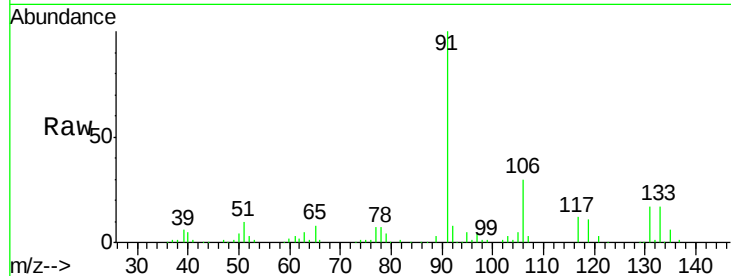




#67
Ethyl Benzene
Concen: 10.302 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.01 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

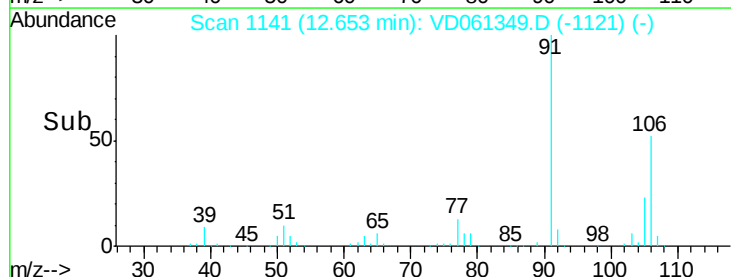
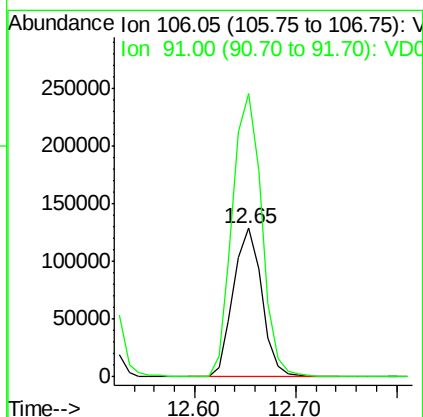
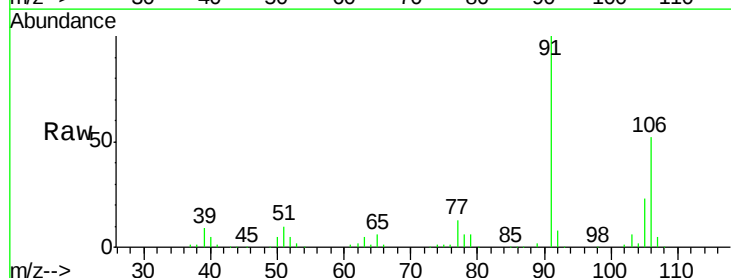
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

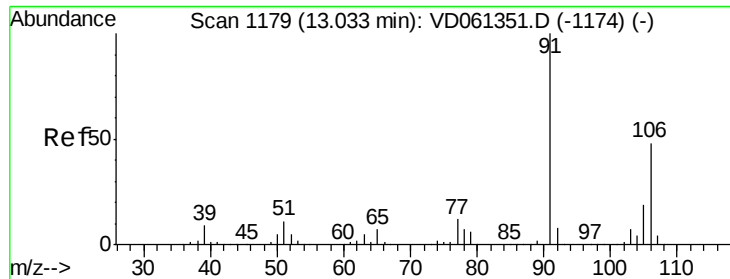
Tgt Ion: 91 Resp: 344826
Ion Ratio Lower Upper
91 100
106 30.3 26.1 39.1



#68
m/p-Xylenes
Concen: 20.122 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

Tgt Ion: 106 Resp: 255133
Ion Ratio Lower Upper
106 100
91 190.8 153.1 229.7

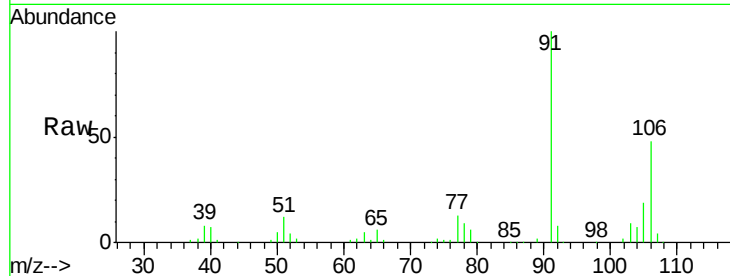




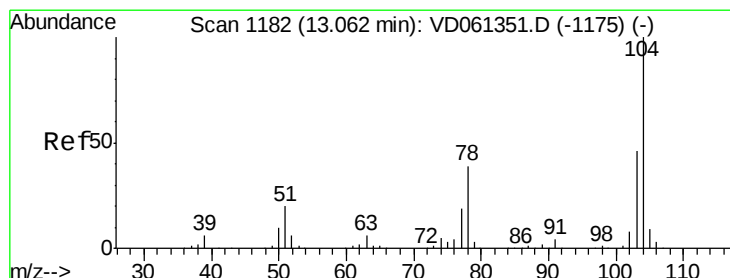
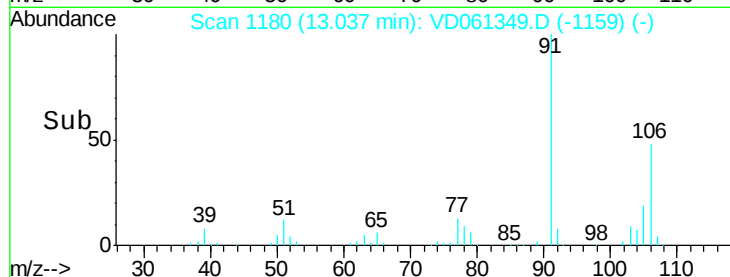
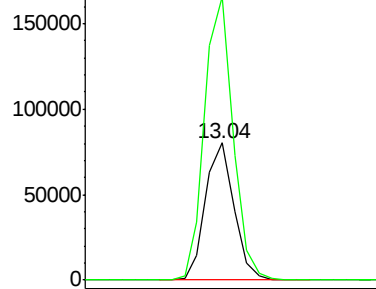
#69
o-Xylene
Concen: 10.201 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:106 Resp: 125517
Ion Ratio Lower Upper
106 100
91 206.2 103.8 311.3

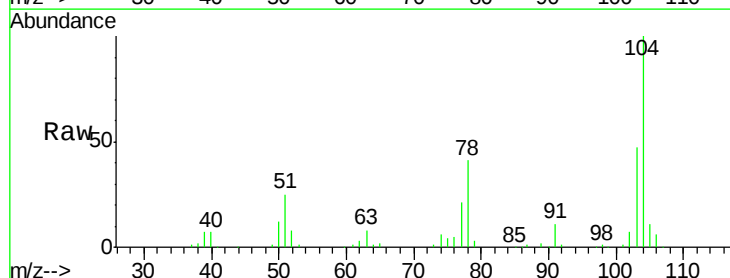


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

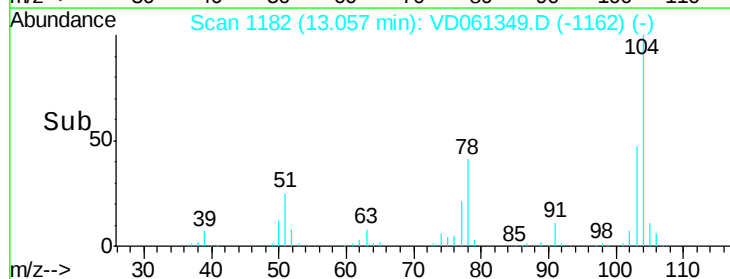
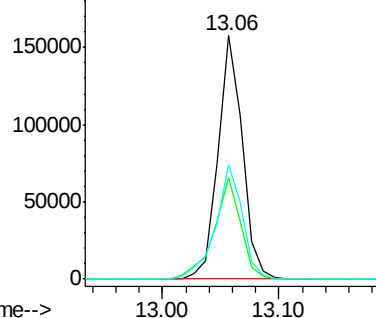


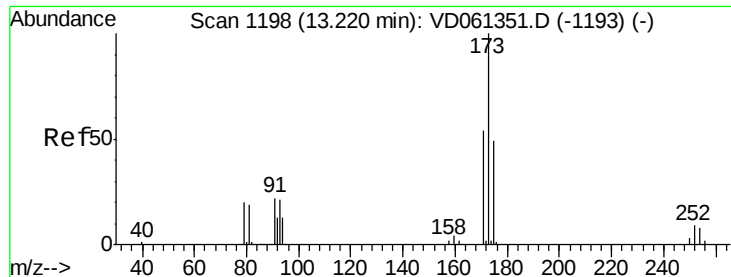
#70
Styrene
Concen: 10.634 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

Tgt Ion:104 Resp: 228082
Ion Ratio Lower Upper
104 100
78 41.5 31.0 46.6
103 47.0 37.0 55.4



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V

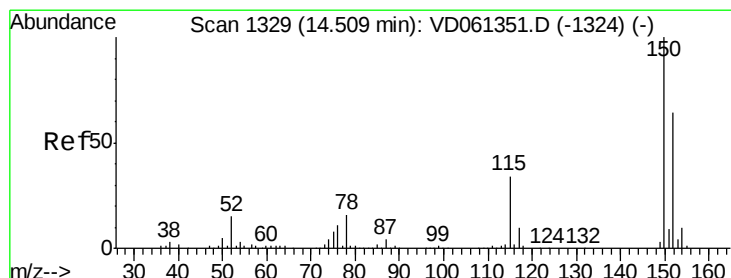
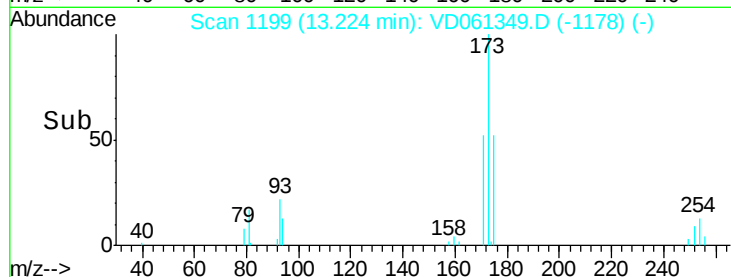
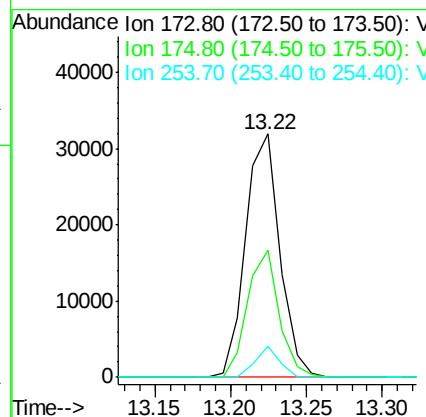
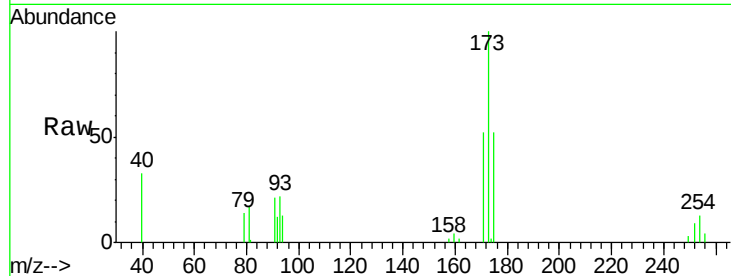




#71
Bromoform
Concen: 9.324 ug/l
RT: 13.22 min Scan# 1199
Delta R.T. 0.00 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

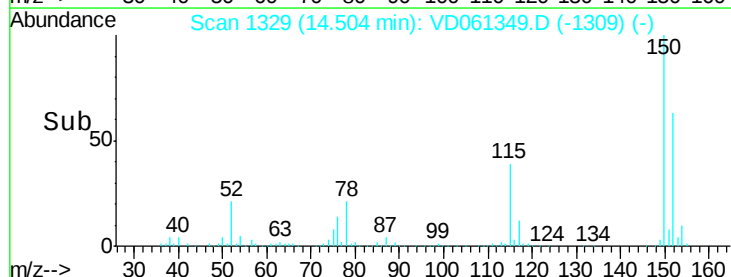
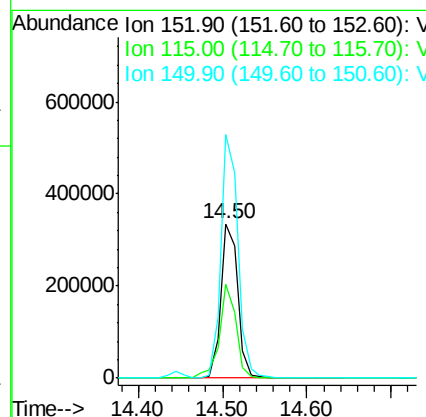
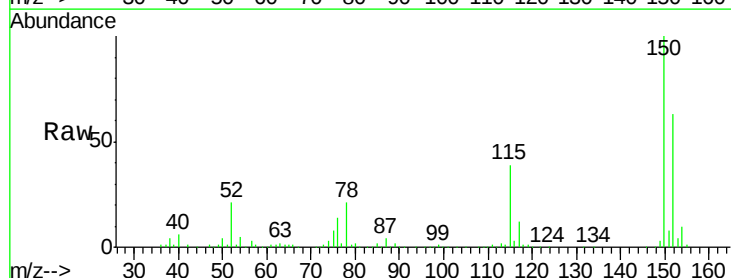
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

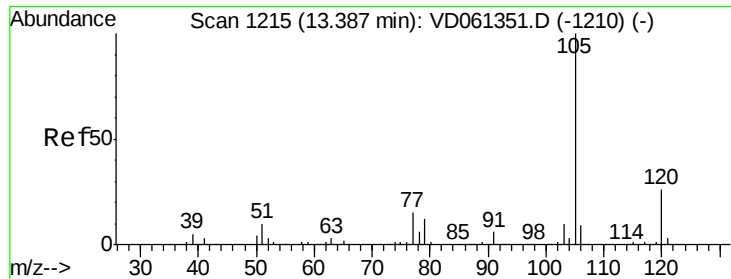
Tgt Ion:173 Resp: 50182
Ion Ratio Lower Upper
173 100
175 52.1 24.6 73.8
254 12.6 6.6 10.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

Tgt Ion:152 Resp: 462418
Ion Ratio Lower Upper
152 100
115 61.0 26.9 80.6
150 157.7 0.0 318.0





#73

Isopropylbenzene

Concen: 11.013 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampled :

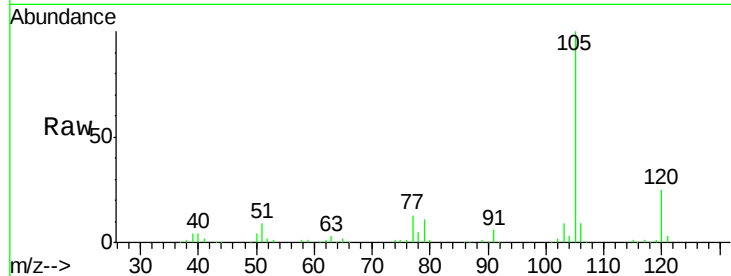
VSTDIC010

Tgt Ion: 105 Resp: 354441

Ion Ratio Lower Upper

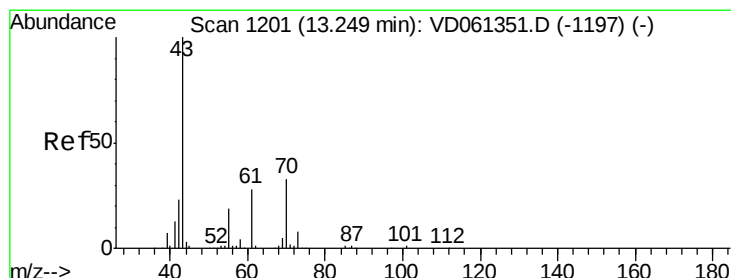
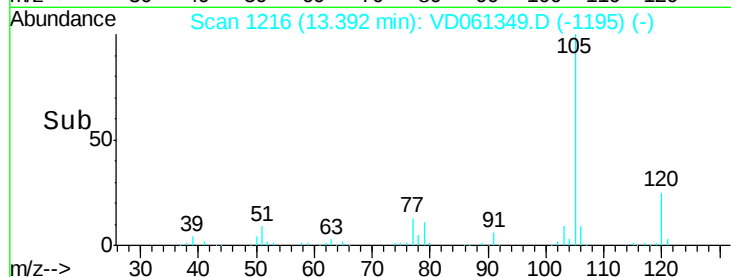
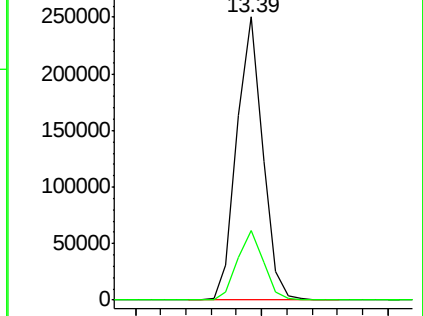
105 100

120 24.6 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 10.467 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

Tgt Ion: 43 Resp: 93840

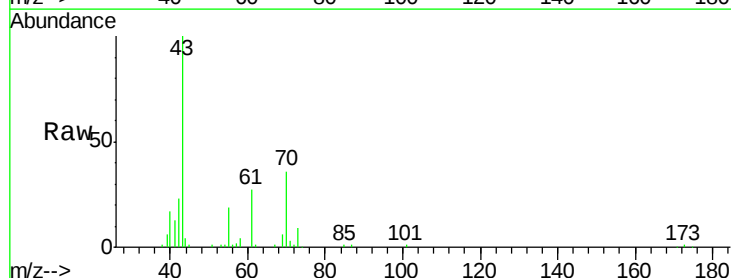
Ion Ratio Lower Upper

43 100

70 35.5 26.6 40.0

55 18.8 15.4 23.2

61 27.5 22.2 33.4

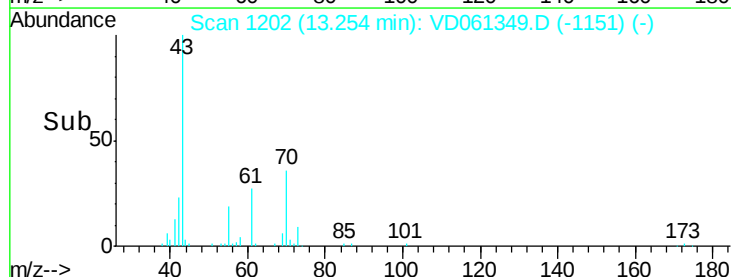
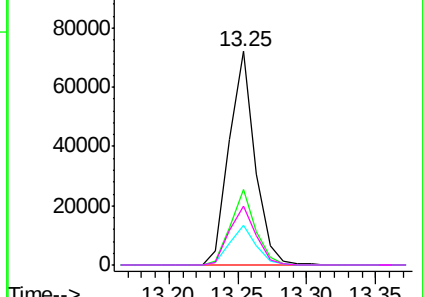


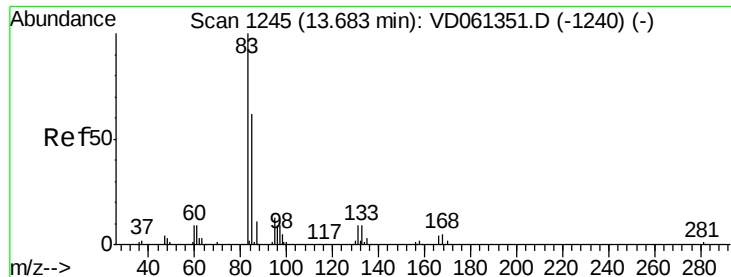
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 10.097 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

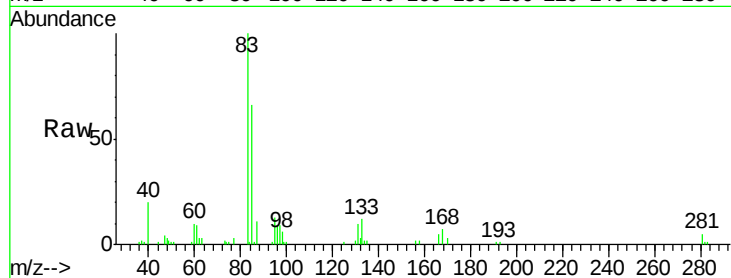
Tgt Ion: 83 Resp: 68549

Ion Ratio Lower Upper

83 100

131 9.6 4.3 13.1

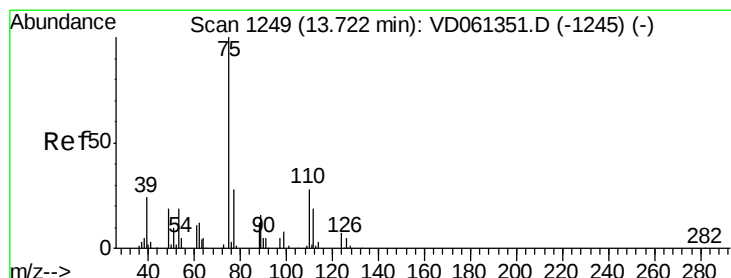
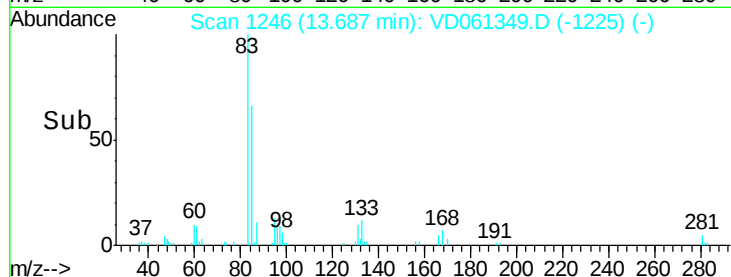
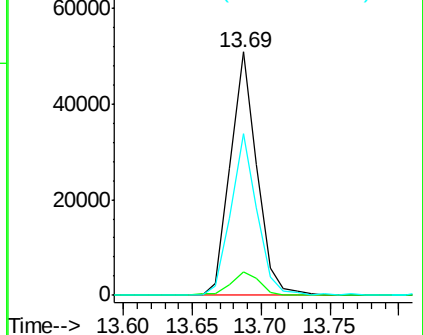
85 66.4 31.2 93.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 9.773 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.01 min

Lab File: VD061349.D

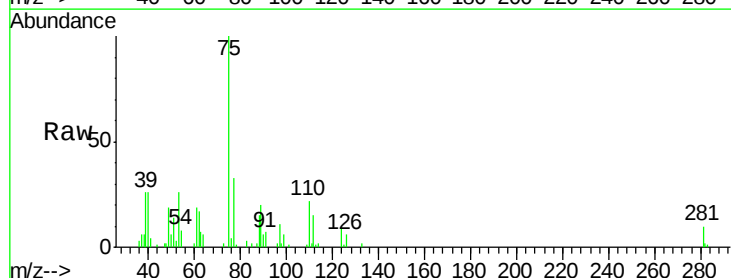
Acq: 27 Mar 2019 12:11

Tgt Ion: 75 Resp: 65278

Ion Ratio Lower Upper

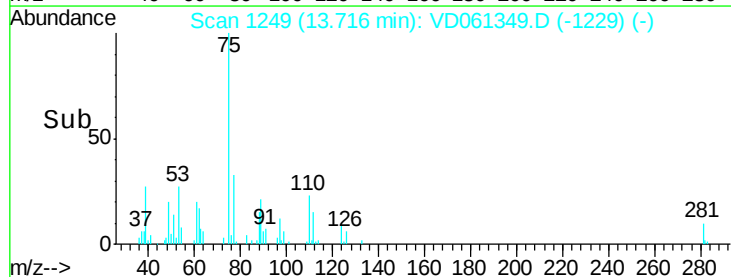
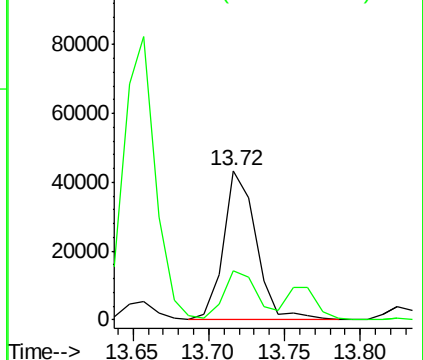
75 100

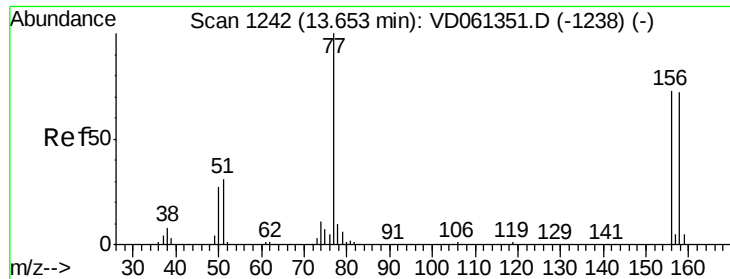
77 32.7 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 10.289 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

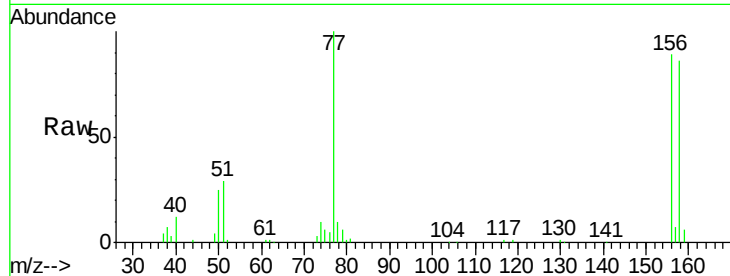
Tgt Ion:156 Resp: 98173

Ion Ratio Lower Upper

156 100

77 112.5 68.5 205.6

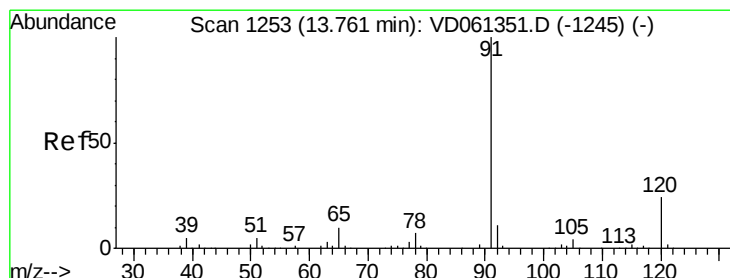
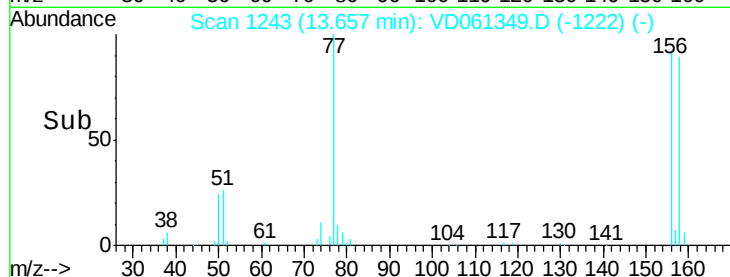
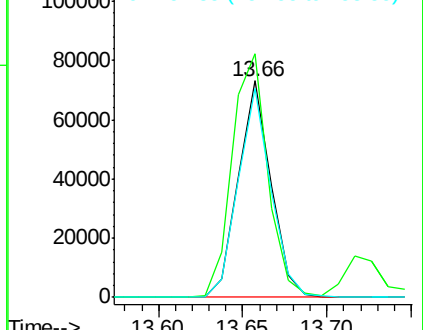
158 96.8 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 10.106 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061349.D

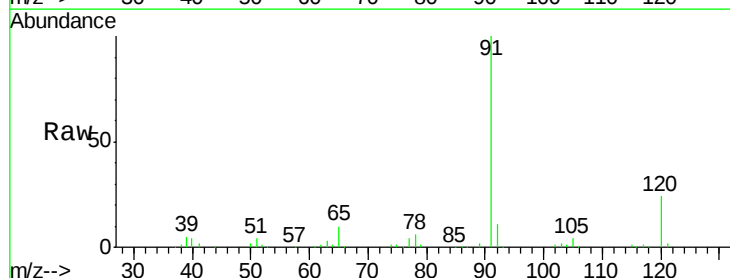
Acq: 27 Mar 2019 12:11

Tgt Ion: 91 Resp: 398026

Ion Ratio Lower Upper

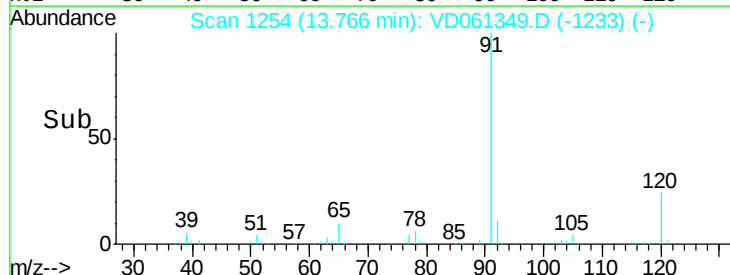
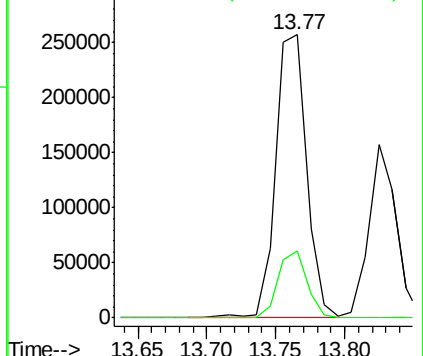
91 100

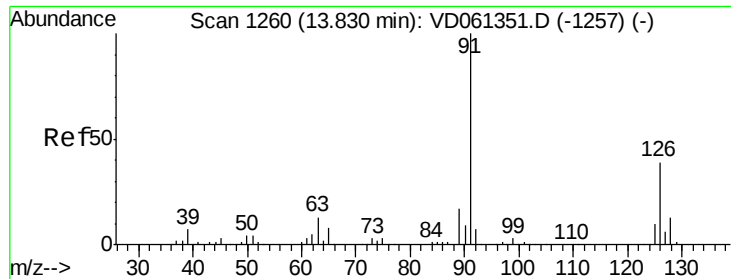
120 23.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 10.100 ug/l

RT: 13.82 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

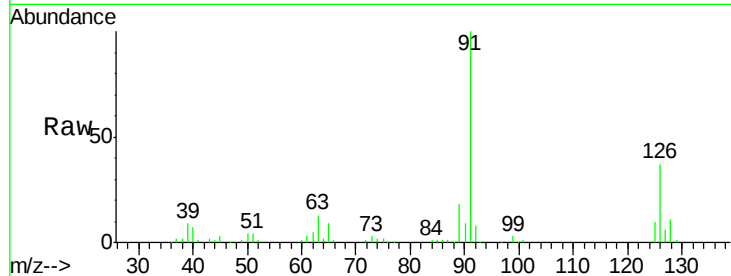
VSTDIC010

Tgt Ion: 91 Resp: 215999

Ion Ratio Lower Upper

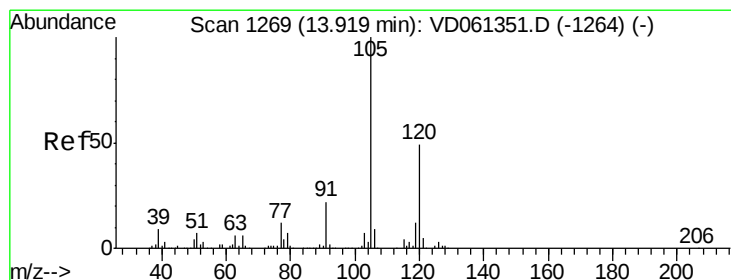
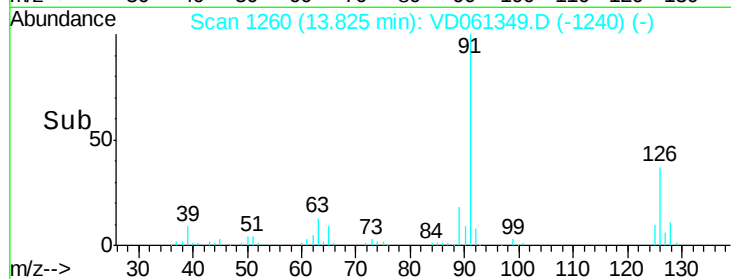
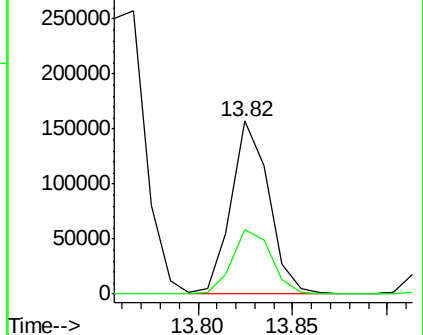
91 100

126 37.2 19.4 58.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 9.938 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD061349.D

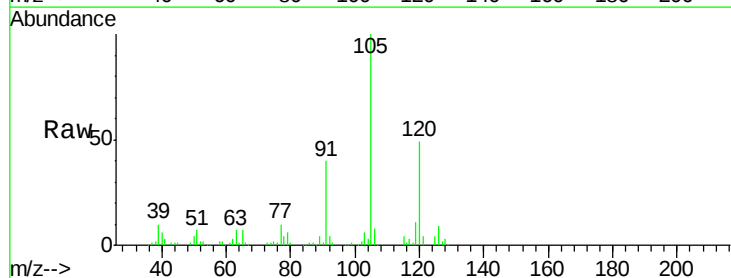
Acq: 27 Mar 2019 12:11

Tgt Ion: 105 Resp: 264306

Ion Ratio Lower Upper

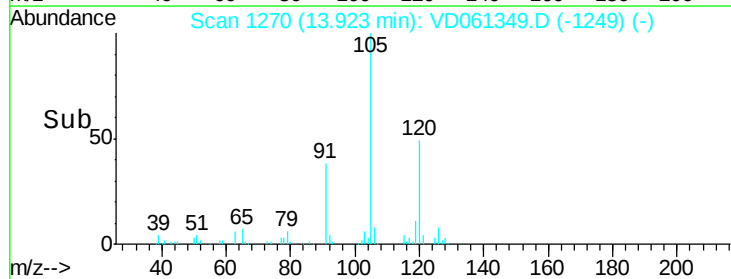
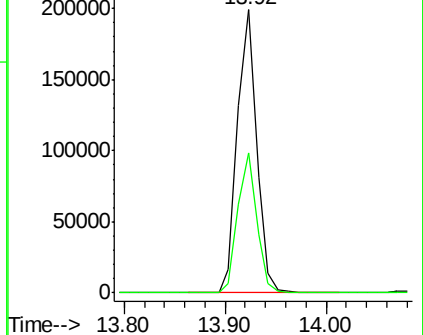
105 100

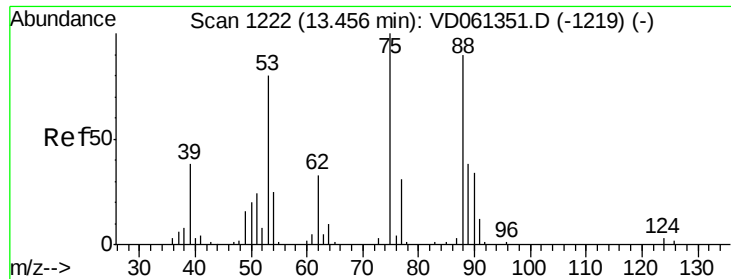
120 49.4 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 9.841 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

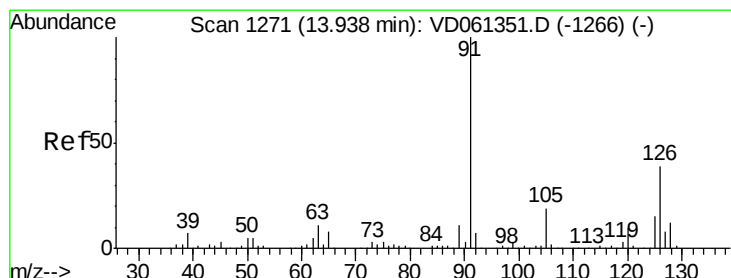
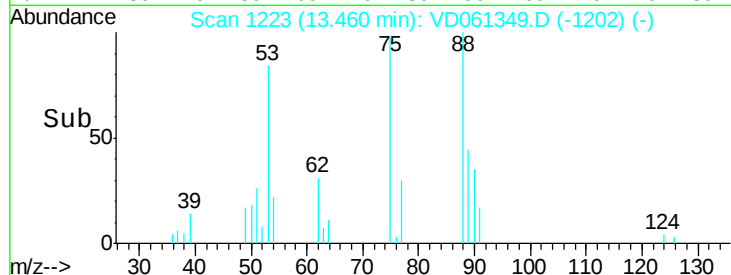
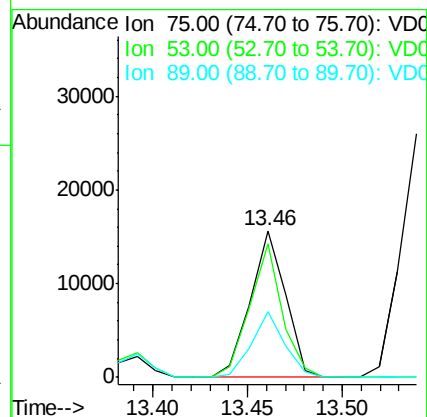
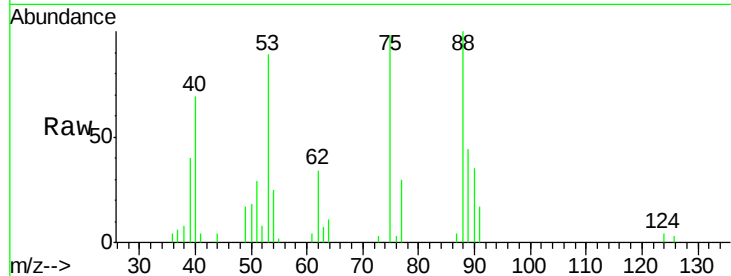
Tgt Ion: 75 Resp: 20043

Ion Ratio Lower Upper

75 100

53 91.0 63.8 95.8

89 45.0 30.5 45.7



#82

4-Chlorotoluene

Concen: 10.396 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD061349.D

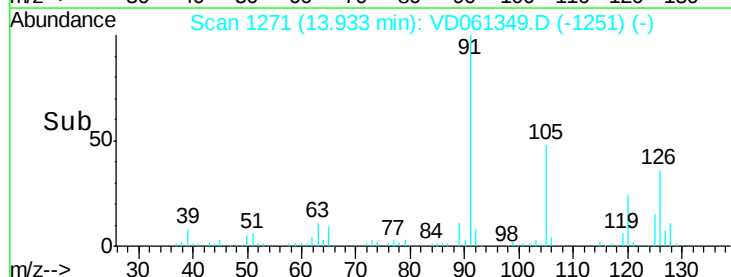
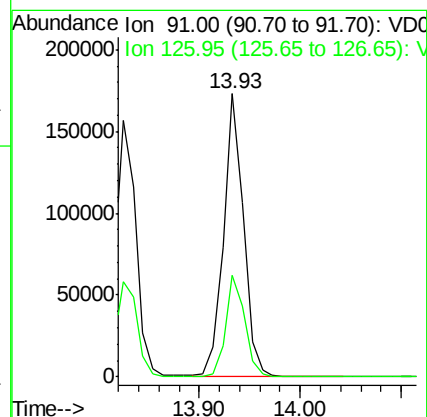
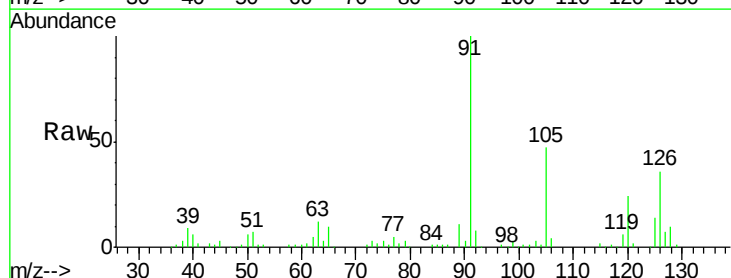
Acq: 27 Mar 2019 12:11

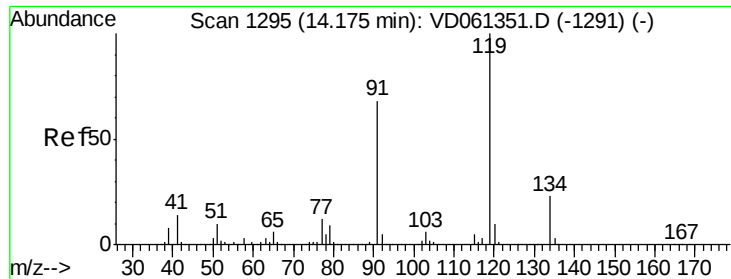
Tgt Ion: 91 Resp: 241741

Ion Ratio Lower Upper

91 100

126 35.7 19.6 58.8

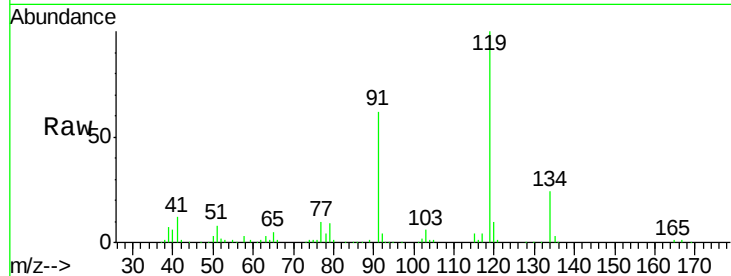




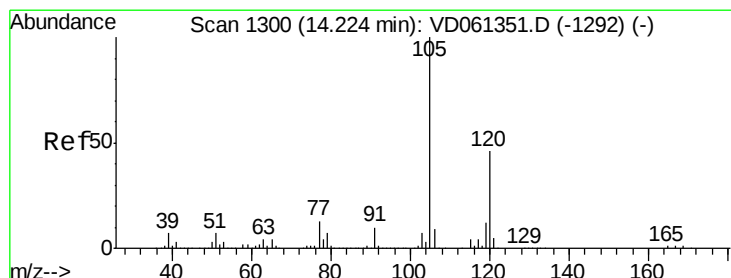
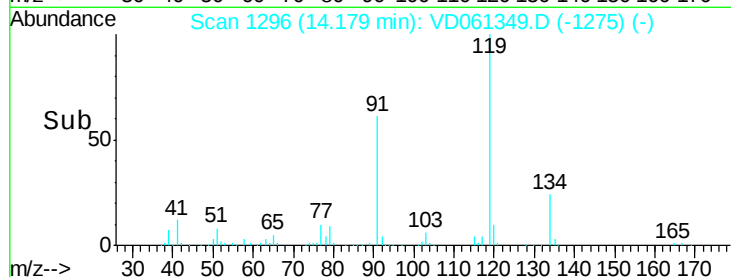
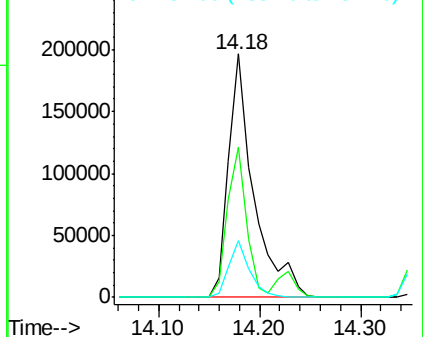
#83
 tert-Butylbenzene
 Concen: 11.000 ug/l
 RT: 14.18 min Scan# 1296
 Delta R.T. 0.00 min
 Lab File: VD061349.D
 Acq: 27 Mar 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion:119 Resp: 343283
 Ion Ratio Lower Upper
 119 100
 91 61.8 34.1 102.3
 134 23.6 11.6 34.8

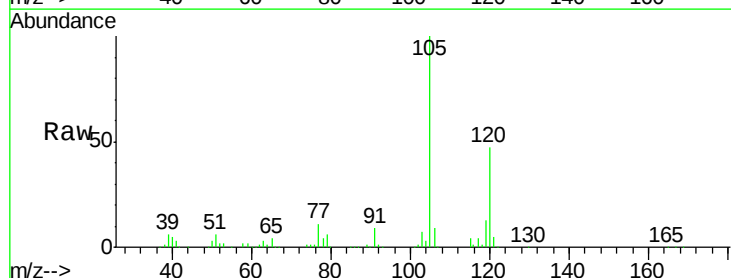


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

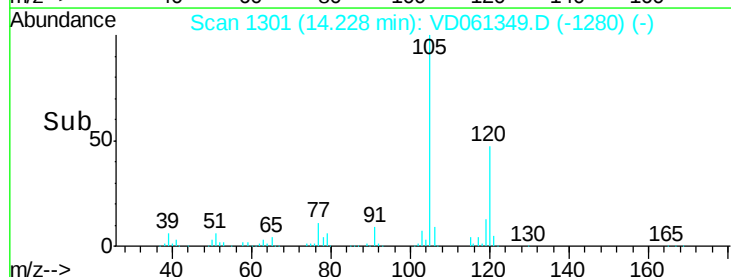
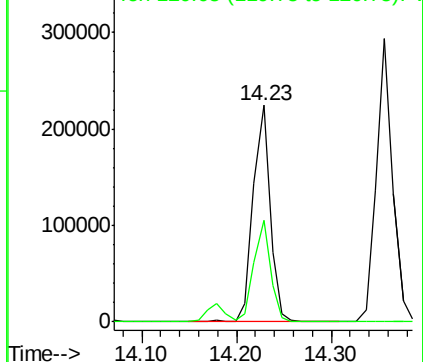


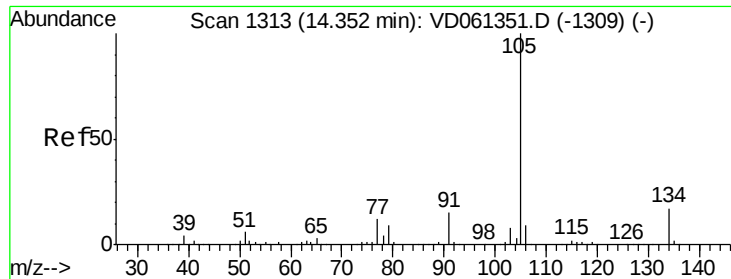
#84
 1,2,4-Trimethylbenzene
 Concen: 10.386 ug/l
 RT: 14.23 min Scan# 1301
 Delta R.T. 0.00 min
 Lab File: VD061349.D
 Acq: 27 Mar 2019 12:11

Tgt Ion:105 Resp: 280779
 Ion Ratio Lower Upper
 105 100
 120 46.9 22.8 68.4



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

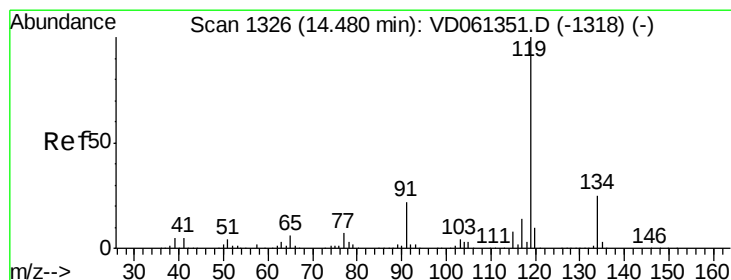
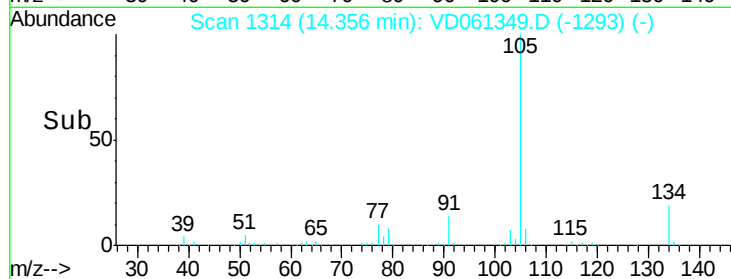
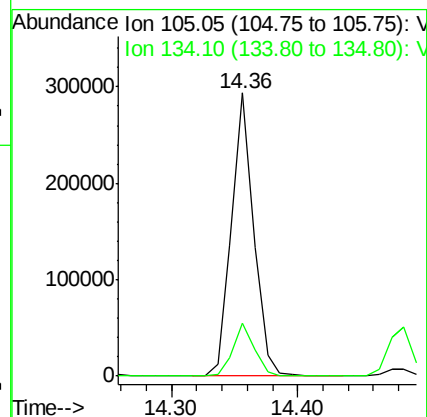
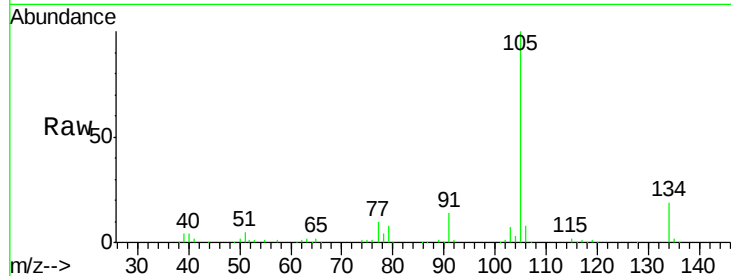




#85
 sec-Butylbenzene
 Concen: 10.728 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. 0.00 min
 Lab File: VD061349.D
 Acq: 27 Mar 2019 12:11

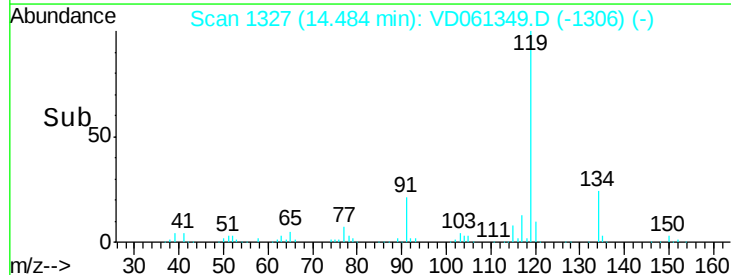
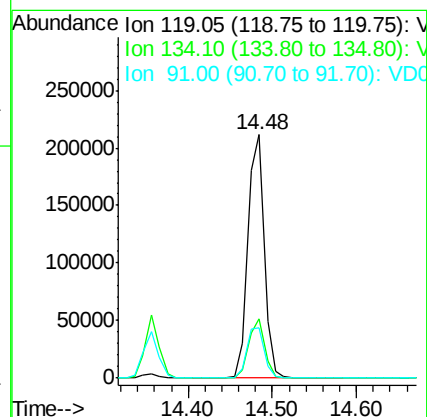
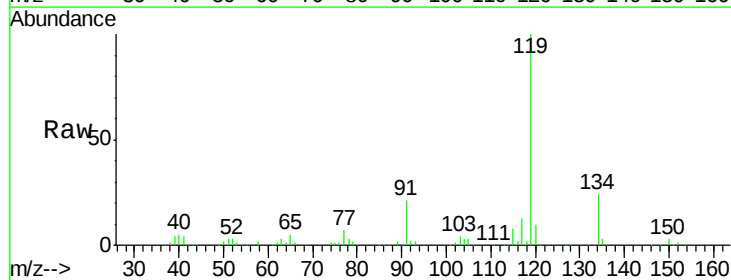
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

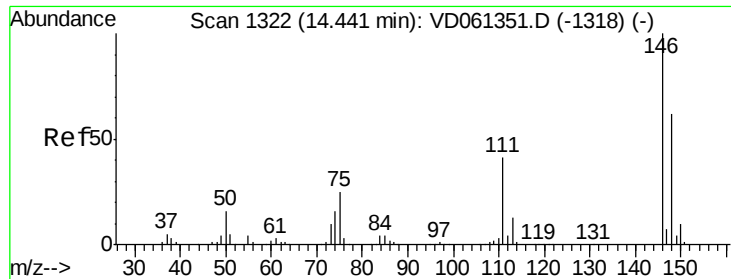
Tgt Ion:105 Resp: 355658
 Ion Ratio Lower Upper
 105 100
 134 18.8 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 10.198 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. 0.00 min
 Lab File: VD061349.D
 Acq: 27 Mar 2019 12:11

Tgt Ion:119 Resp: 285880
 Ion Ratio Lower Upper
 119 100
 134 24.2 12.3 36.8
 91 20.7 11.1 33.1

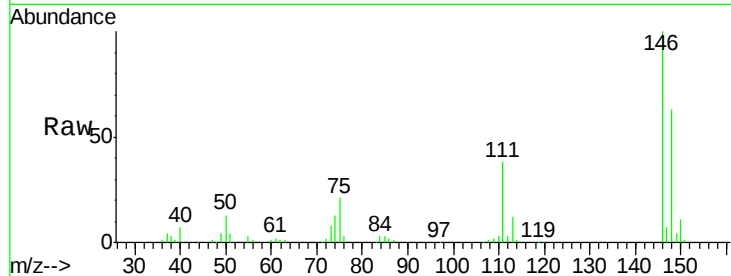




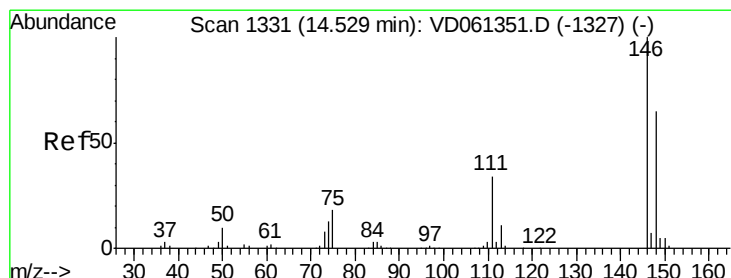
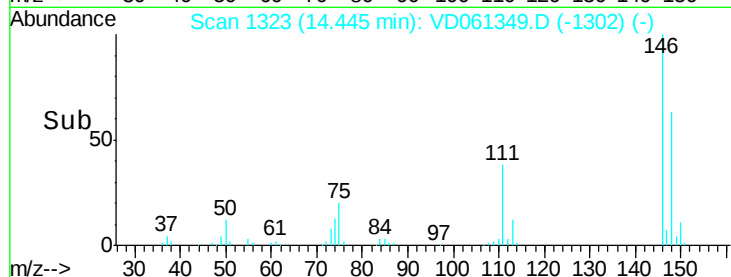
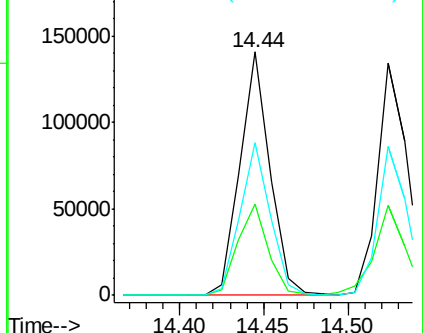
#87
 1,3-Dichlorobenzene
 Concen: 10.782 ug/l
 RT: 14.44 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD061349.D
 Acq: 27 Mar 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion:146 Resp: 174200
 Ion Ratio Lower Upper
 146 100
 111 37.6 20.6 61.9
 148 63.0 31.1 93.3

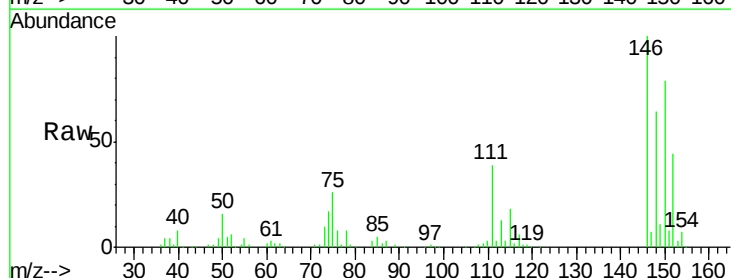


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

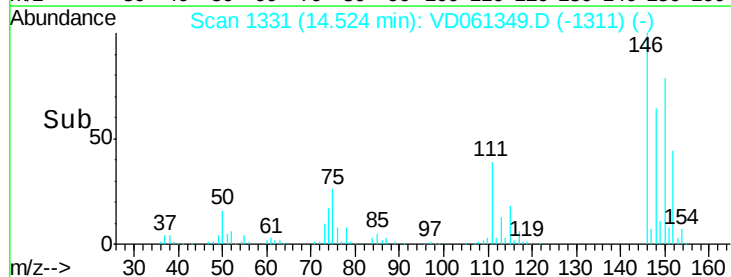
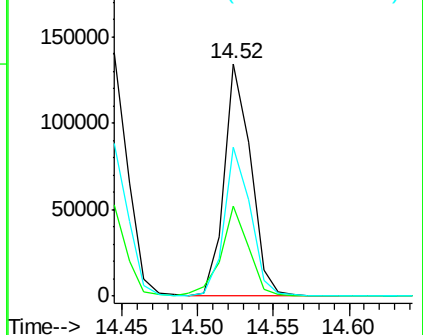


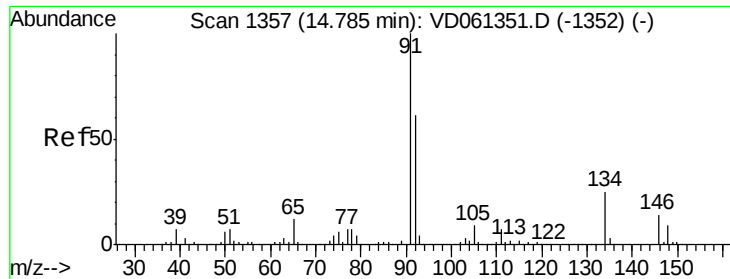
#88
 1,4-Dichlorobenzene
 Concen: 10.449 ug/l
 RT: 14.52 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061349.D
 Acq: 27 Mar 2019 12:11

Tgt Ion:146 Resp: 164633
 Ion Ratio Lower Upper
 146 100
 111 38.6 16.8 50.4
 148 63.8 32.6 98.0



Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 10.618 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061349.D

Acq: 27 Mar 2019 12:11

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

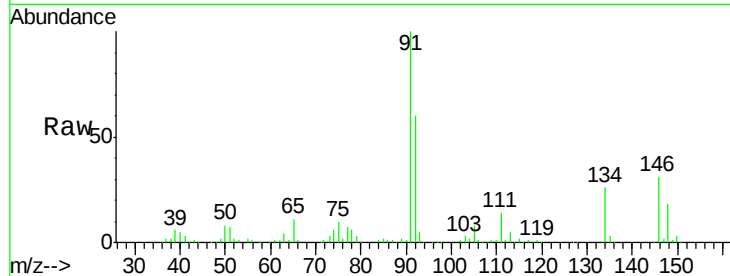
Tgt Ion: 91 Resp: 273215

Ion Ratio Lower Upper

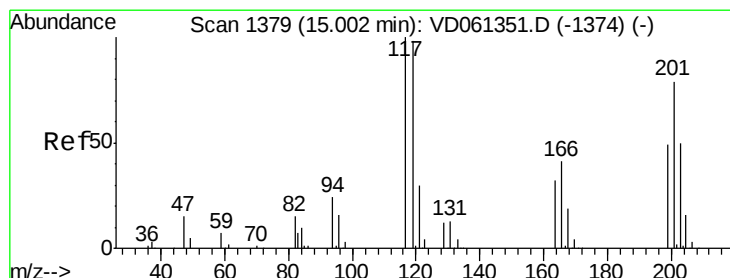
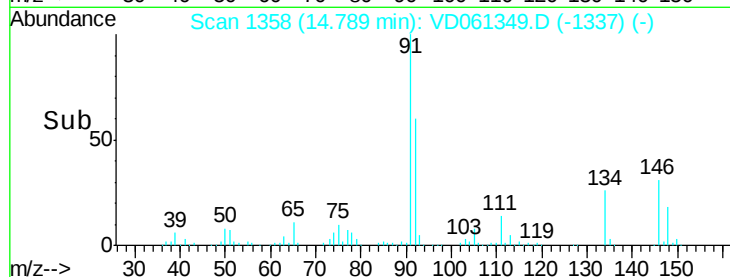
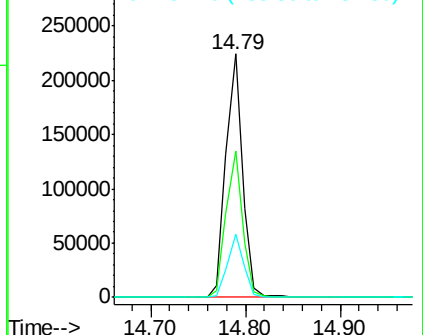
91 100

92 60.2 30.3 91.0

134 25.8 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 9.691 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD061349.D

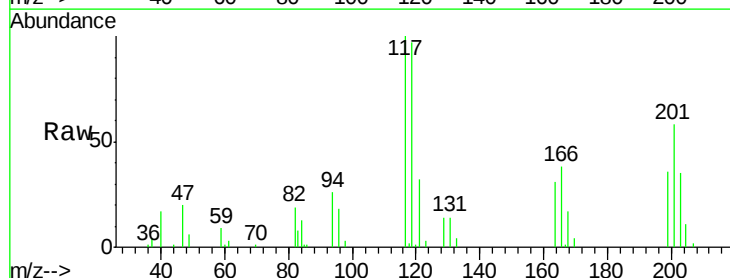
Acq: 27 Mar 2019 12:11

Tgt Ion: 117 Resp: 76749

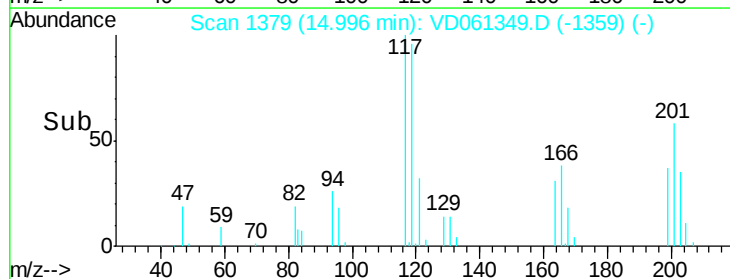
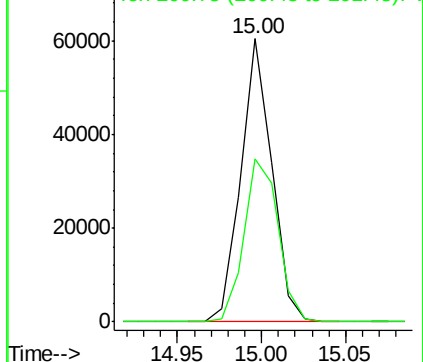
Ion Ratio Lower Upper

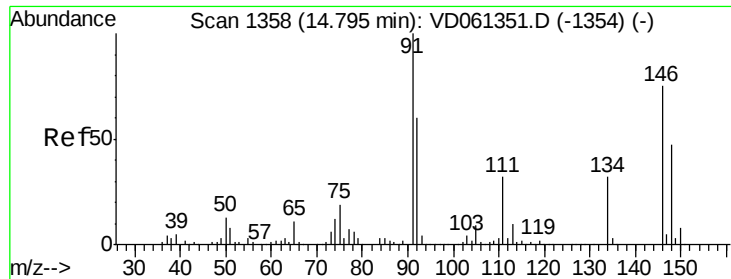
117 100

201 57.6 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): VDC
Ion 200.75 (200.45 to 201.45): VDC

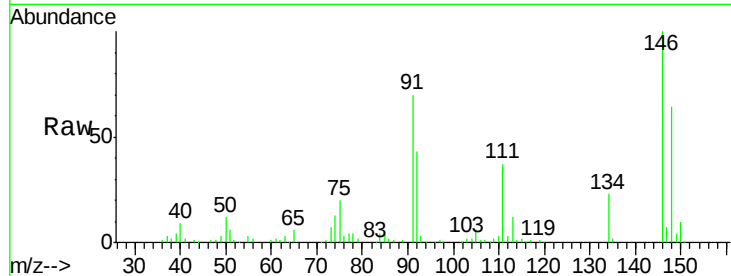




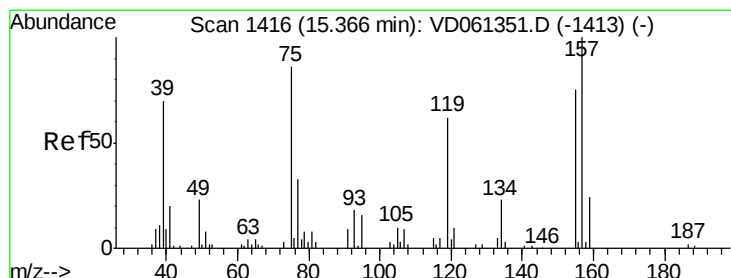
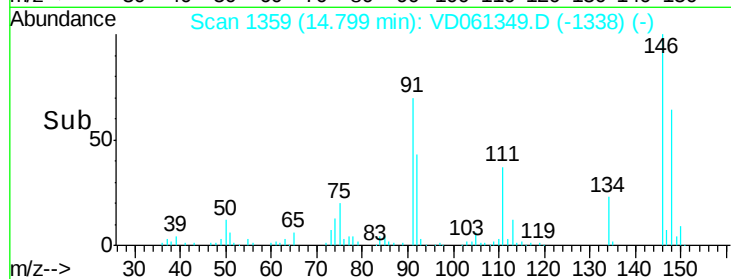
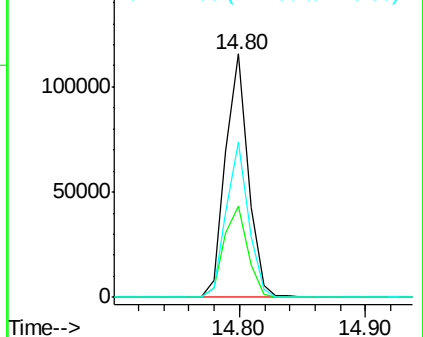
#91
 1,2-Dichlorobenzene
 Concen: 10.874 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061349.D
 Acq: 27 Mar 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion:146 Resp: 144113
 Ion Ratio Lower Upper
 146 100
 111 37.3 21.2 63.6
 148 64.0 31.6 95.0

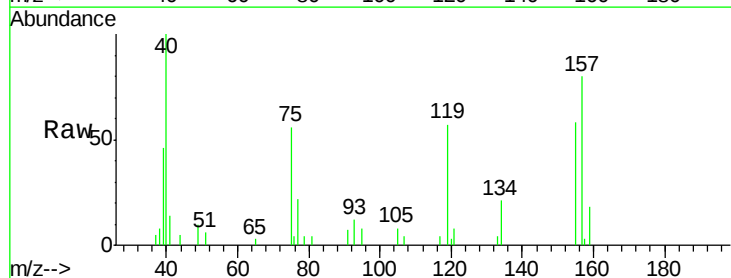


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

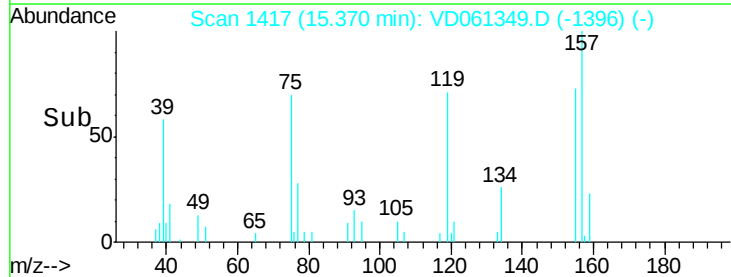
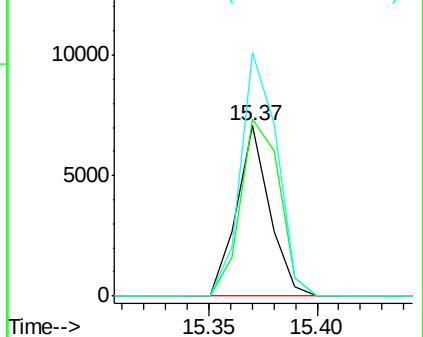


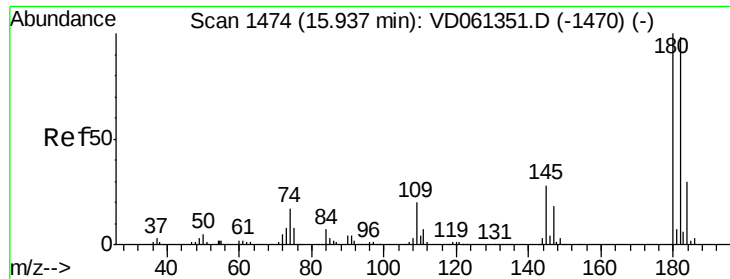
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.498 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD061349.D
 Acq: 27 Mar 2019 12:11

Tgt Ion: 75 Resp: 7563
 Ion Ratio Lower Upper
 75 100
 155 103.6 43.6 130.9
 157 142.8 58.5 175.3



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

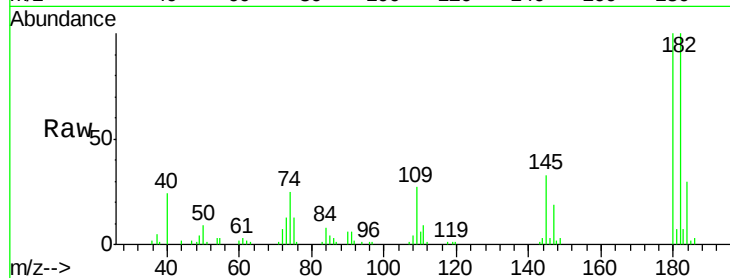




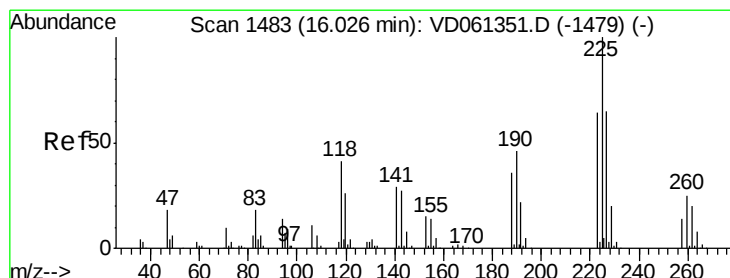
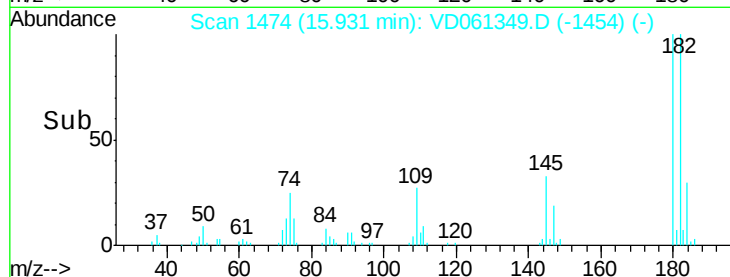
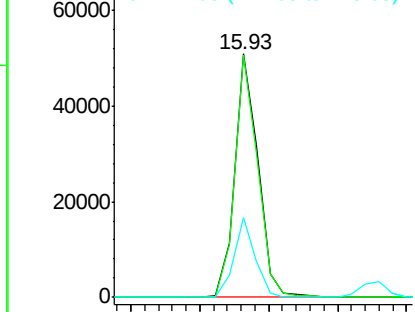
#93
 1,2,4-Trichlorobenzene
 Concen: 9.934 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061349.D
 Acq: 27 Mar 2019 12:11

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion:180 Resp: 59971
 Ion Ratio Lower Upper
 180 100
 182 99.7 48.9 146.8
 145 32.9 14.1 42.3

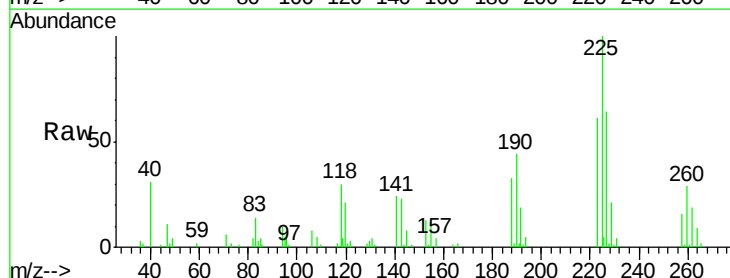


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

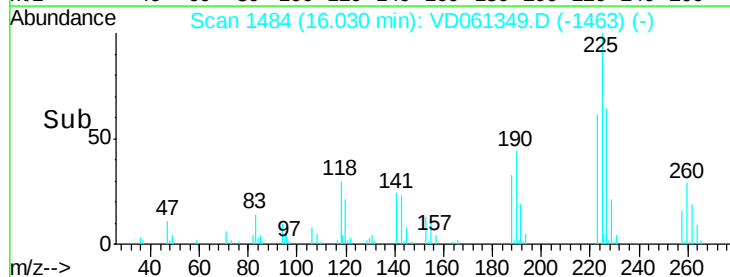
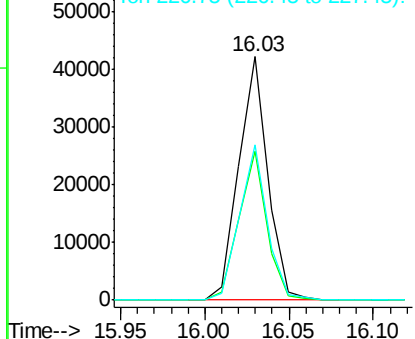


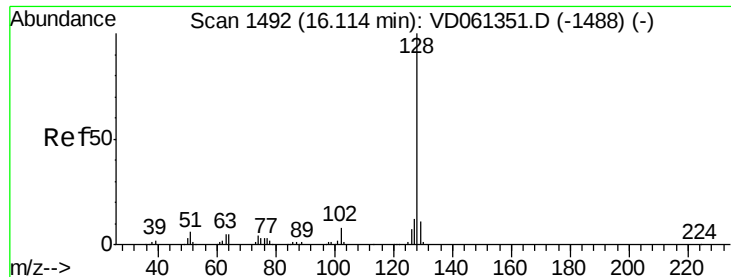
#94
 Hexachlorobutadiene
 Concen: 10.683 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061349.D
 Acq: 27 Mar 2019 12:11

Tgt Ion:225 Resp: 50396
 Ion Ratio Lower Upper
 225 100
 223 61.3 32.0 96.0
 227 63.8 32.4 97.2



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V

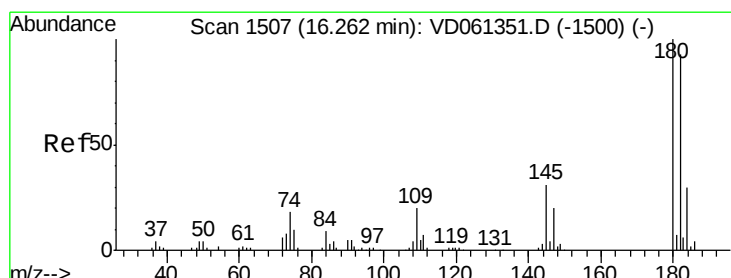
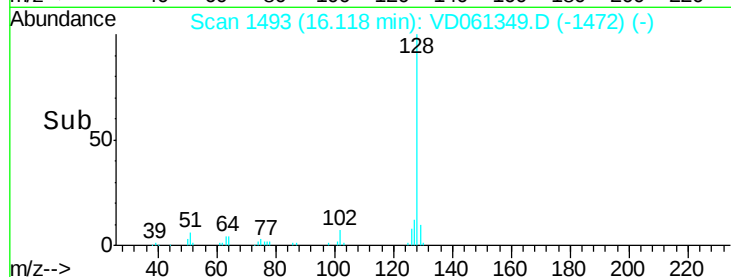
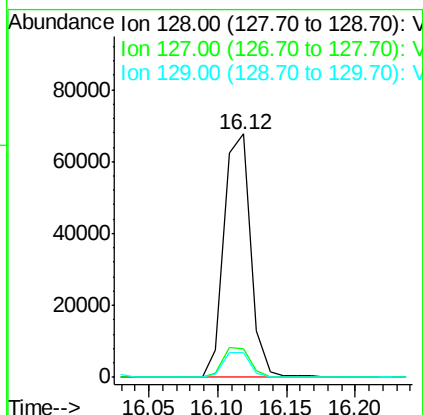
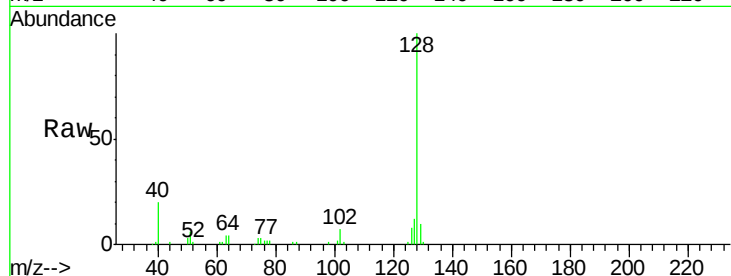




#95
Naphthalene
Concen: 9.867 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 90793
Ion Ratio Lower Upper
128 100
127 11.6 9.9 14.9
129 10.3 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 10.559 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061349.D
Acq: 27 Mar 2019 12:11

Tgt Ion:180 Resp: 28052
Ion Ratio Lower Upper
180 100
182 100.3 46.4 139.1
145 25.6 15.3 45.9

