

Data File : VD060646.D
Acq On : 19 Dec 2018 19:05
Operator : VA/AP
Sample : VSTDIC020
Misc : 5.00G/5ml/MSVOA_D/SOIL
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Quant Time: Dec 20 01:06:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 01:02:26 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	294953	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	405363	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	360660	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.37	152	290759	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	43404	19.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.44%	
35) Dibromofluoromethane	6.29	113	59767	19.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	39.50%	
50) Toluene-d8	9.44	98	174162	18.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	37.10%	
62) 4-Bromofluorobenzene	12.42	95	72324	17.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	35.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	55207	12.627	ug/l	99
3) Chloromethane	1.74	50	103058	19.674	ug/l	92
4) Vinyl Chloride	1.83	62	77043	19.338	ug/l	92
5) Bromomethane	2.13	94	36016	15.559	ug/l	96
6) Chloroethane	2.24	64	31058	17.553	ug/l	94
7) Trichlorofluoromethane	2.49	101	82755	19.012	ug/l	96
8) Diethyl Ether	2.78	74	16288	19.415	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.06	101	59343	19.921	ug/l	94
10) Methyl Iodide	3.21	142	62469	19.735	ug/l	97
11) Tert butyl alcohol	3.87	59	4650	50.757	ug/l #	76
12) 1,1-Dichloroethene	3.05	96	48881	19.183	ug/l	93
13) Acrolein	2.95	56	13986	128.353	ug/l	85
14) Allyl chloride	3.50	41	82440	19.284	ug/l	91
15) Acrylonitrile	4.04	53	48935	97.196	ug/l	95
16) Acetone	3.13	43	54066	104.636	ug/l	97
17) Carbon Disulfide	3.29	76	158471	18.921	ug/l	96
18) Methyl Acetate	3.51	43	28530	21.223	ug/l	92
19) Methyl tert-butyl Ether	4.08	73	72096	19.406	ug/l	98
20) Methylene Chloride	3.69	84	74946	21.625	ug/l	92
21) trans-1,2-Dichloroethene	4.07	96	65099	18.453	ug/l	95
22) Diisopropyl ether	4.81	45	203720	19.284	ug/l	95
23) Vinyl Acetate	4.76	43	442089	91.354	ug/l	100
24) 1,1-Dichloroethane	4.72	63	107448	19.310	ug/l	98
25) 2-Butanone	5.58	43	69904	98.367	ug/l	99
26) 2,2-Dichloropropane	5.56	77	55850	18.488	ug/l	96
27) cis-1,2-Dichloroethene	5.57	96	65868	19.385	ug/l	95
28) Bromochloromethane	5.89	49	44724	20.801	ug/l #	97
29) Tetrahydrofuran	5.91	42	36450	94.597	ug/l	96
30) Chloroform	6.07	83	108236	19.277	ug/l	99
31) Cyclohexane	6.34	56	100194	19.806	ug/l	95
32) 1,1,1-Trichloroethane	6.26	97	85157	19.598	ug/l	89
36) 1,1-Dichloropropene	6.49	75	84154	18.404	ug/l	95
37) Ethyl Acetate	5.65	43	31010	19.722	ug/l #	97
38) Carbon Tetrachloride	6.47	117	62135	17.704	ug/l	90

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.03	83	90930	18.816	ug/l	93
40) Benzene	6.77	78	226311	19.876	ug/l	100
41) Methacrylonitrile	5.89	41	40062	42.805	ug/l #	95
42) 1,2-Dichloroethane	6.86	62	55287	19.534	ug/l	98
43) Isopropyl Acetate	8.32	43	38593	18.577	ug/l	99
44) Trichloroethene	7.72	130	63707	19.087	ug/l	100
45) 1,2-Dichloropropane	8.09	63	52769	19.298	ug/l	98
46) Dibromomethane	8.19	93	29403	20.165	ug/l	98
47) Bromodichloromethane	8.47	83	70697	19.309	ug/l #	85
48) Methyl methacrylate	8.22	41	23435	18.800	ug/l	94
49) 1,4-Dioxane	8.19	88	4978	370.289	ug/l #	73
51) 4-Methyl-2-Pentanone	9.32	43	128301	92.288	ug/l	98
52) Toluene	9.53	92	133707	19.261	ug/l	97
53) t-1,3-Dichloropropene	9.91	75	47597	17.062	ug/l	92
54) cis-1,3-Dichloropropene	9.09	75	68450	18.324	ug/l	96
55) 1,1,2-Trichloroethane	10.17	97	35194	19.000	ug/l	95
56) Ethyl methacrylate	10.01	69	26490	16.074	ug/l	97
57) 1,3-Dichloropropane	10.37	76	56565	18.108	ug/l	90
58) 2-Chloroethyl Vinyl ether	8.90	63	60173	124.028	ug/l	100
59) 2-Hexanone	10.48	43	90276	90.548	ug/l	94
60) Dibromochloromethane	10.62	129	45659	18.844	ug/l	91
61) 1,2-Dibromoethane	10.74	107	35612	19.278	ug/l	100
64) Tetrachloroethene	10.24	164	61253	19.004	ug/l	96
65) Chlorobenzene	11.30	112	155876	19.654	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.41	131	51550	19.510	ug/l	97
67) Ethyl Benzene	11.42	91	274383	19.134	ug/l	100
68) m/p-Xylenes	11.56	106	203362	38.254	ug/l	97
69) o-Xylene	11.92	106	96992	18.480	ug/l	95
70) Styrene	11.95	104	160683	18.763	ug/l	99
71) Bromoform	12.11	173	30518	17.641	ug/l	97
73) Isopropylbenzene	12.27	105	289359	18.575	ug/l	100
74) N-amyl acetate	12.13	43	51752	15.377	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.55	83	53151	19.532	ug/l	95
76) 1,2,3-Trichloropropane	12.59	75	45082	18.200	ug/l	97
77) Bromobenzene	12.53	156	82742	19.012	ug/l	96
78) n-propylbenzene	12.63	91	405800	18.798	ug/l	100
79) 2-Chlorotoluene	12.70	91	224245	19.061	ug/l	98
80) 1,3,5-Trimethylbenzene	12.79	105	269492	19.365	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	9392	16.456	ug/l #	82
82) 4-Chlorotoluene	12.81	91	274654	19.841	ug/l	89
83) tert-Butylbenzene	13.04	119	297812	18.560	ug/l	98
84) 1,2,4-Trimethylbenzene	13.08	105	291805	19.063	ug/l	98
85) sec-Butylbenzene	13.21	105	388138	18.870	ug/l	99
86) p-Isopropyltoluene	13.34	119	332857	18.790	ug/l	100
87) 1,3-Dichlorobenzene	13.31	146	185729	19.035	ug/l	96
88) 1,4-Dichlorobenzene	13.39	146	189915	19.265	ug/l	99
89) n-Butylbenzene	13.65	91	396543	19.528	ug/l	98
90) Hexachloroethane	13.85	117	75778	17.827	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	177023	19.867	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.23	75	8188	17.393	ug/l	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD122018\
Quantitation Report (Not Reviewed)

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Sample : VSTDICC020
Misc : 5.00G/5ml/MSVOA_D/SOIL
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VSTDICC020

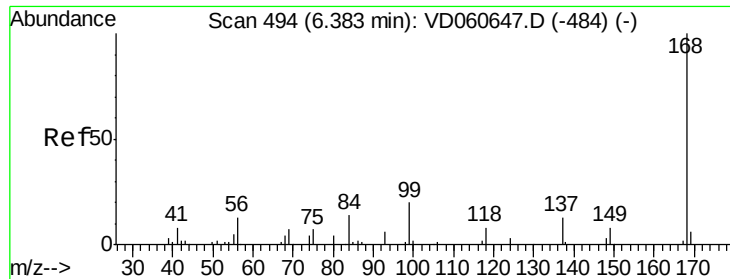
Quant Time: Dec 20 01:06:48 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Thu Dec 20 01:02:26 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.79	180	168585	18.586	ug/l	98
94) Hexachlorobutadiene	14.88	225	122175	18.163	ug/l	99
95) Naphthalene	14.96	128	186244	17.418	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	139970	18.899	ug/l	99

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_D

ClientSampleId :

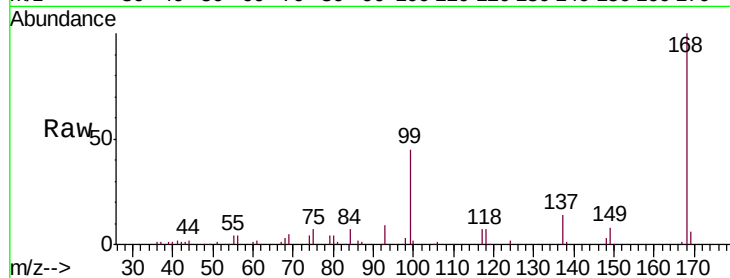
VSTDIC020

Tgt Ion:168 Resp: 294953

Ion Ratio Lower Upper

168 100

99 45.2 39.0 58.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.38

120000

100000

80000

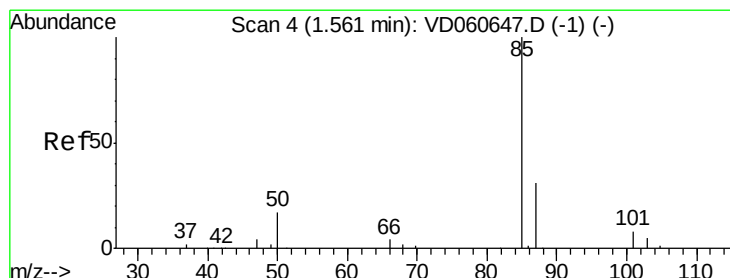
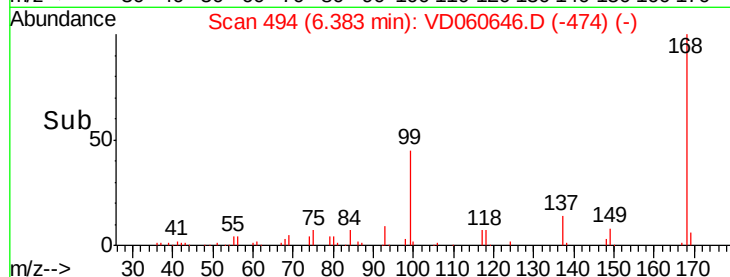
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 12.627 ug/l

RT: 1.56 min Scan# 4

Delta R.T. -0.00 min

Lab File: VD060646.D

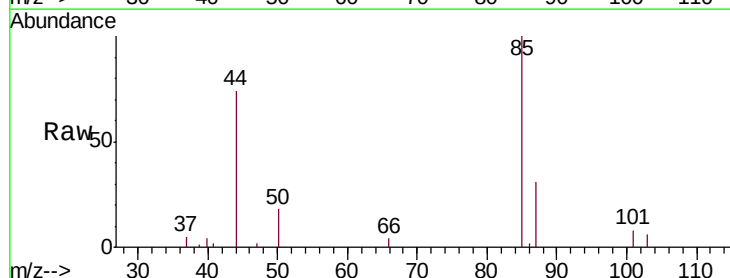
Acq: 19 Dec 2018 19:05

Tgt Ion: 85 Resp: 55207

Ion Ratio Lower Upper

85 100

87 31.1 15.3 45.9



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.56

30000

25000

20000

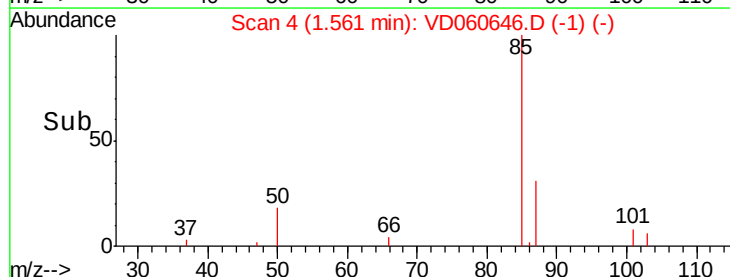
15000

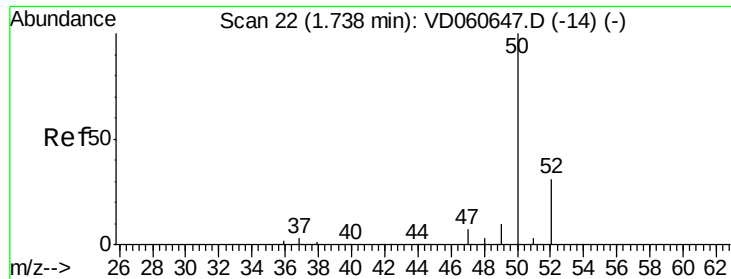
10000

5000

0

Time-->





#3

Chloromethane

Concen: 19.674 ug/l

RT: 1.74 min Scan# 22

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_D

ClientSampleId :

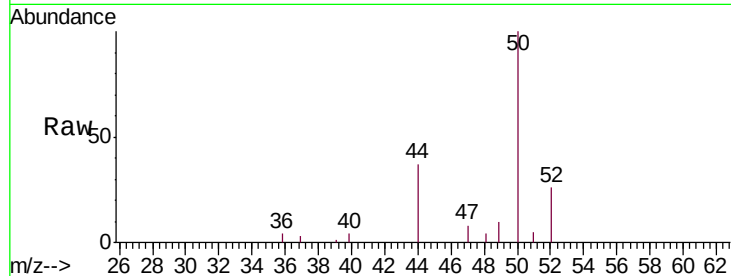
VSTDIC020

Tgt Ion: 50 Resp: 103058

Ion Ratio Lower Upper

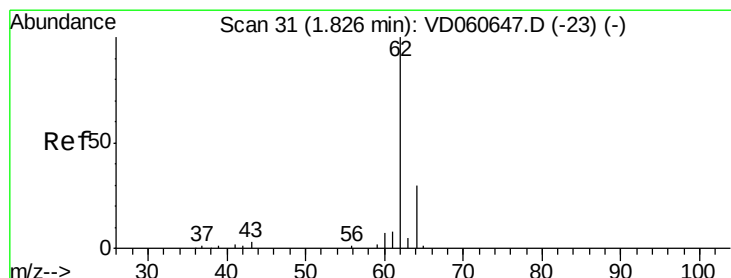
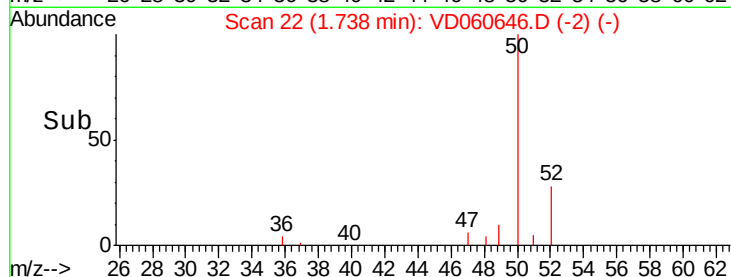
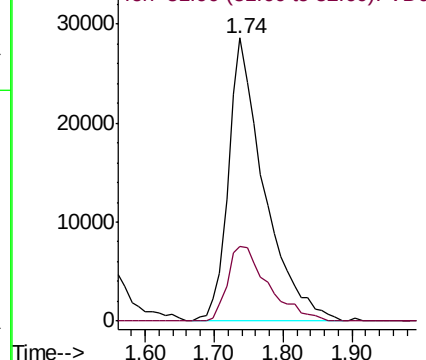
50 100

52 26.3 24.4 36.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.338 ug/l

RT: 1.83 min Scan# 31

Delta R.T. -0.00 min

Lab File: VD060646.D

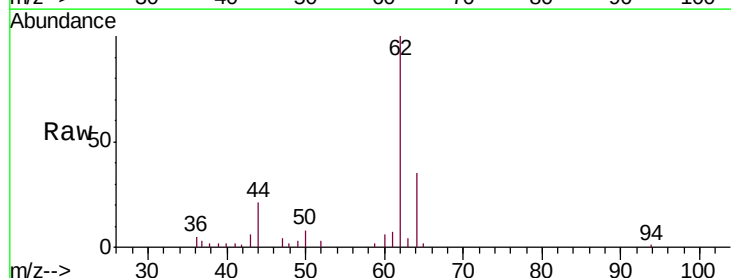
Acq: 19 Dec 2018 19:05

Tgt Ion: 62 Resp: 77043

Ion Ratio Lower Upper

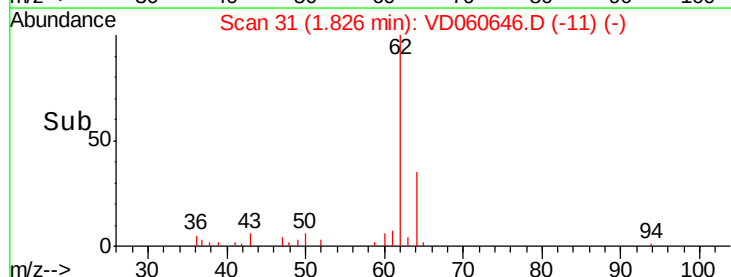
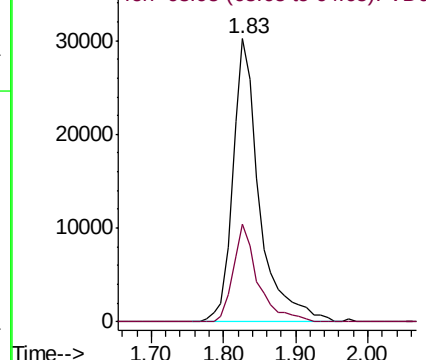
62 100

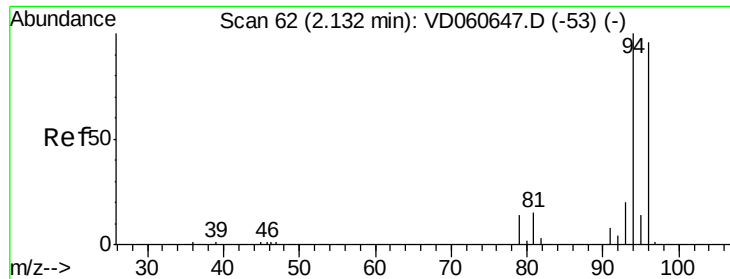
64 34.7 24.3 36.5



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.559 ug/l

RT: 2.13 min Scan# 62

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_D

ClientSampleId :

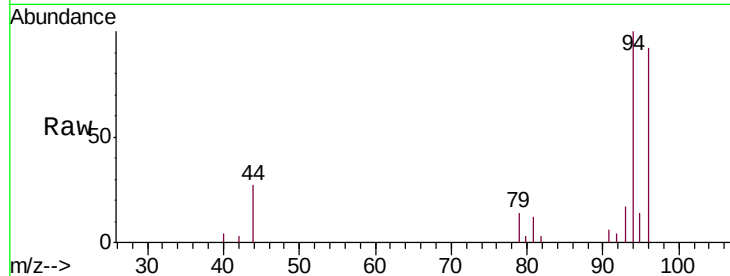
VSTDIC020

Tgt Ion: 94 Resp: 36016

Ion Ratio Lower Upper

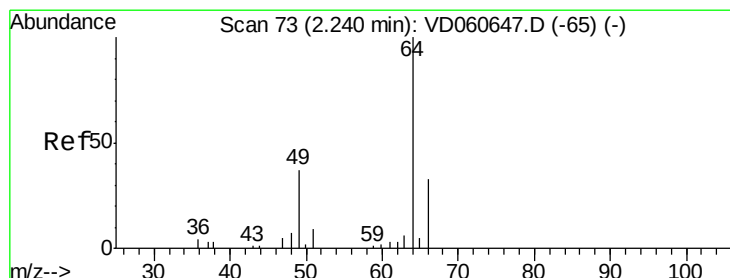
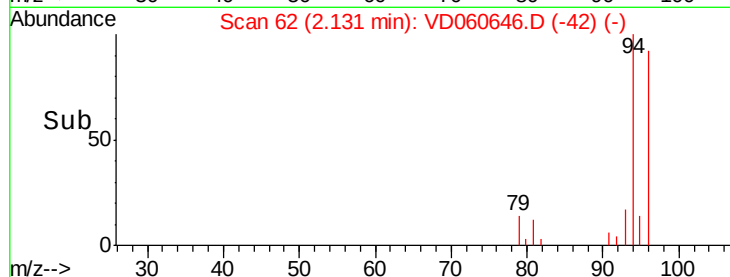
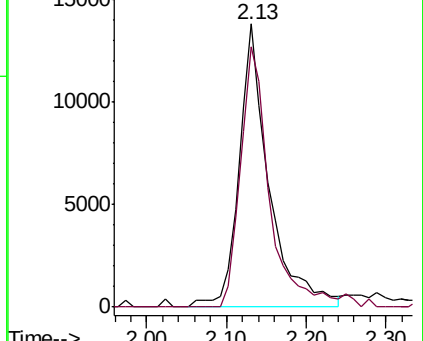
94 100

96 92.0 76.7 115.1



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.553 ug/l

RT: 2.24 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD060646.D

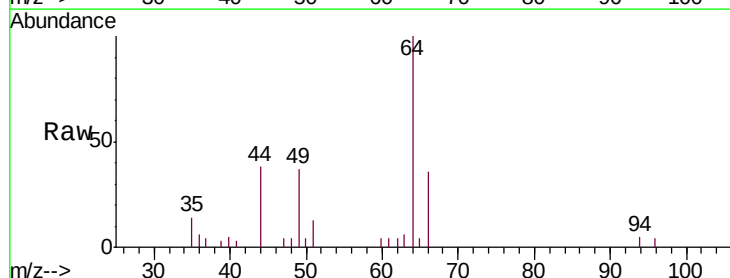
Acq: 19 Dec 2018 19:05

Tgt Ion: 64 Resp: 31058

Ion Ratio Lower Upper

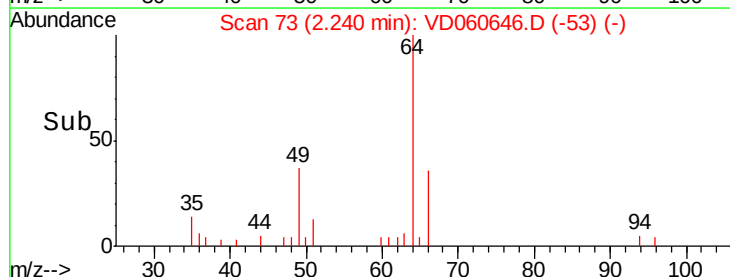
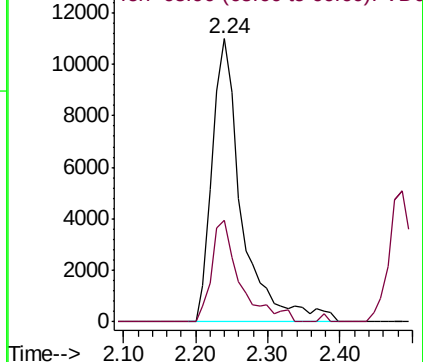
64 100

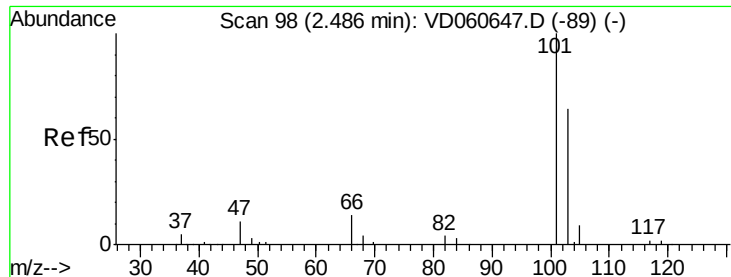
66 36.1 26.2 39.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 19.012 ug/l

RT: 2.49 min Scan# 98

Delta R.T. -0.00 min

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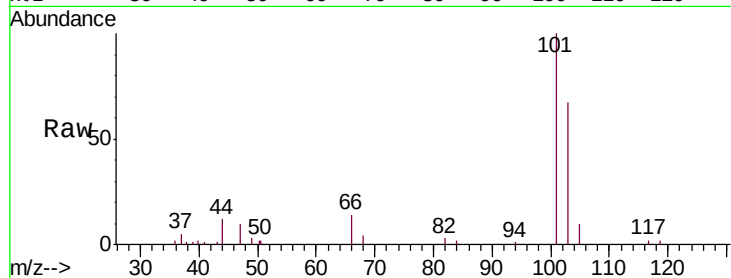
VSTDIC020

Tgt Ion:101 Resp: 82755

Ion Ratio Lower Upper

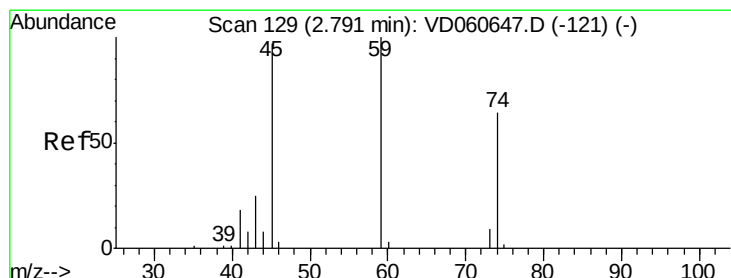
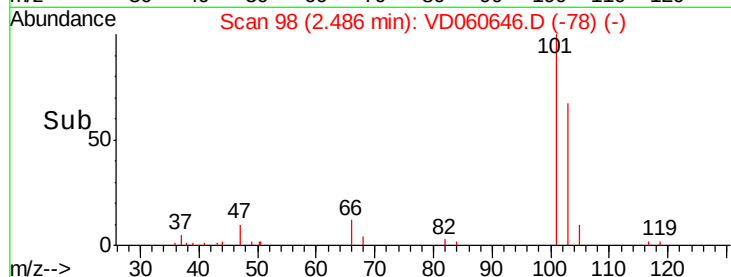
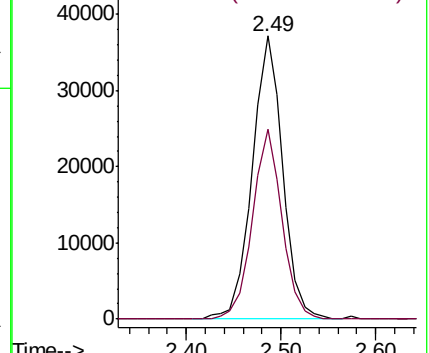
101 100

103 67.3 51.4 77.0



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 19.415 ug/l

RT: 2.78 min Scan# 128

Delta R.T. -0.01 min

Lab File: VD060646.D

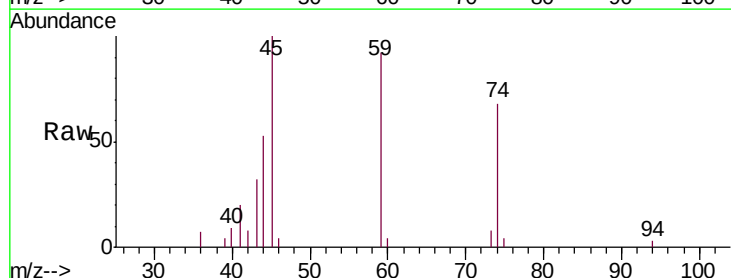
Acq: 19 Dec 2018 19:05

Tgt Ion: 74 Resp: 16288

Ion Ratio Lower Upper

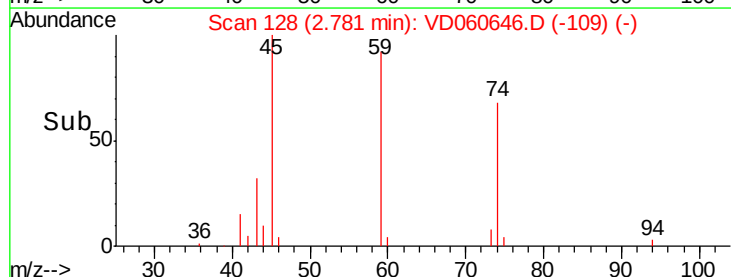
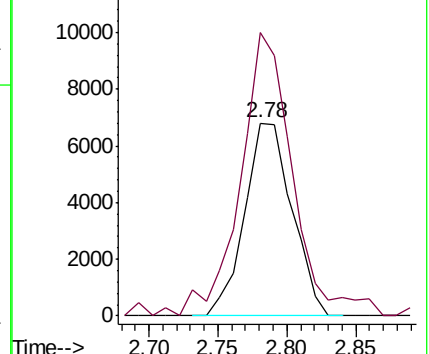
74 100

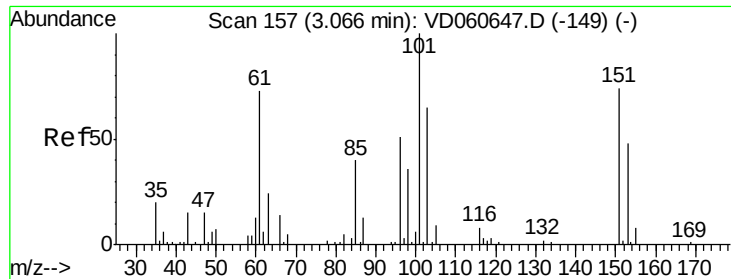
45 146.6 75.0 225.2



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.921 ug/l

RT: 3.06 min Scan# 156

Delta R.T. -0.01 min

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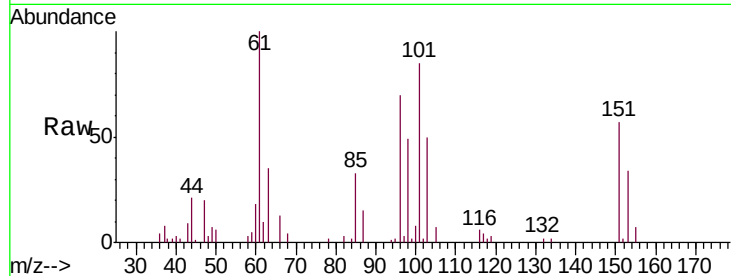
Tgt Ion:101 Resp: 59343

Ion Ratio Lower Upper

101 100

85 39.3 31.7 47.5

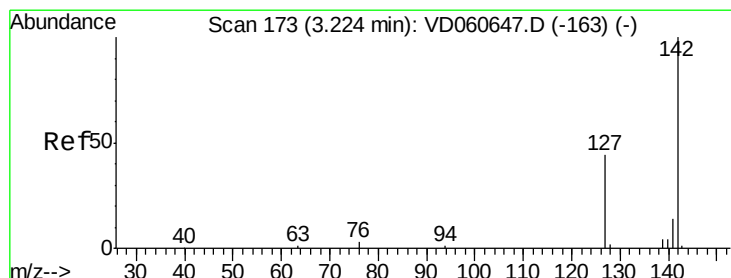
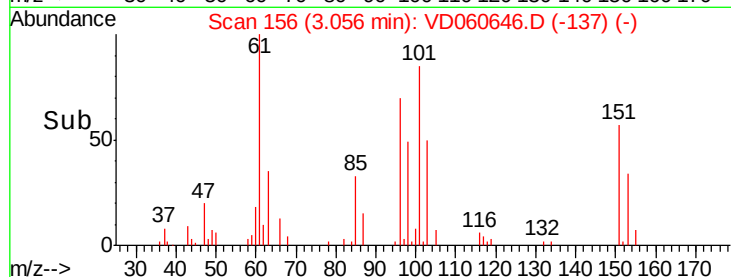
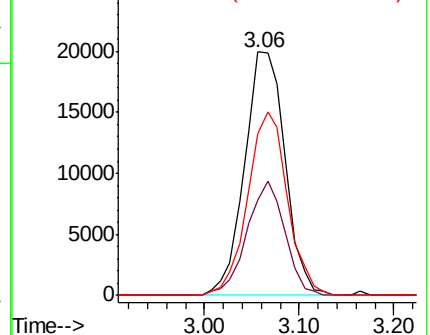
151 66.5 58.9 88.3



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: 19.735 ug/l

RT: 3.21 min Scan# 172

Delta R.T. -0.01 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

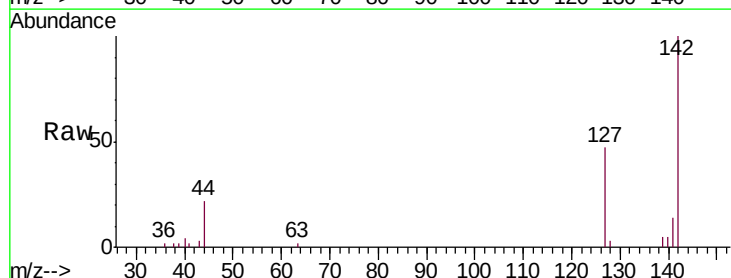
Tgt Ion:142 Resp: 62469

Ion Ratio Lower Upper

142 100

127 46.6 35.3 52.9

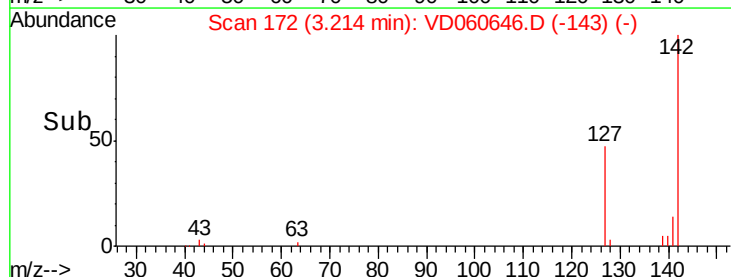
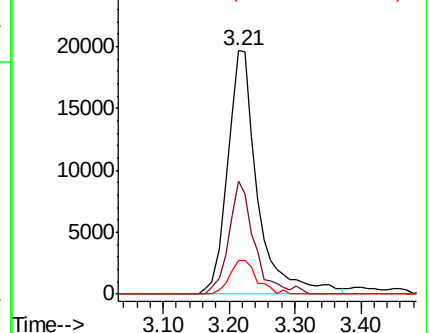
141 13.9 11.4 17.0

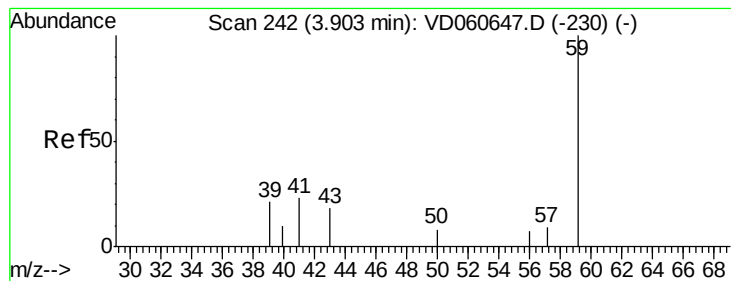


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



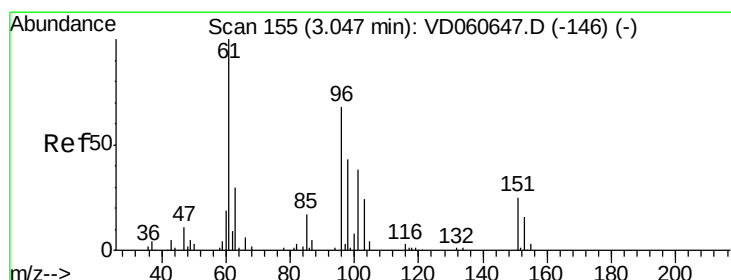
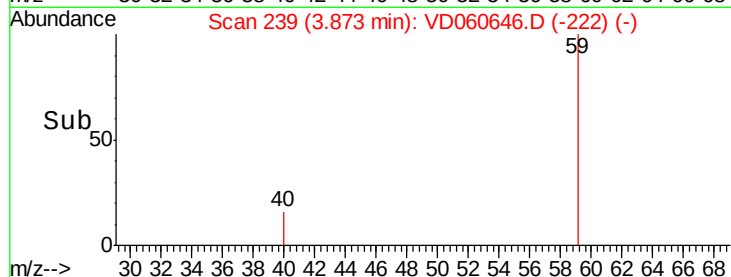
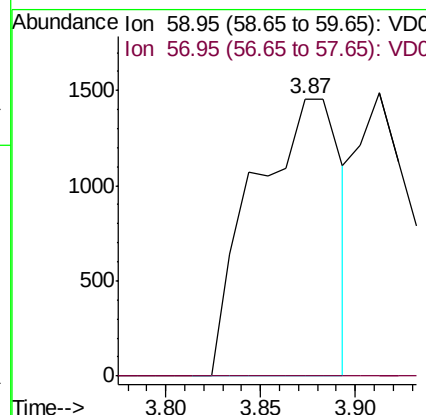
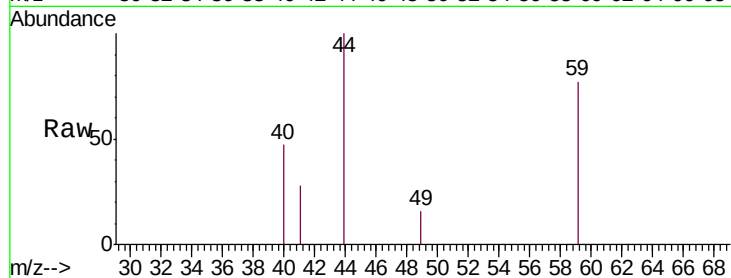


#11

Tert butyl alcohol
 Concen: 50.757 ug/l
 RT: 3.87 min Scan# 239
 Delta R.T. -0.03 min
 Lab File: VD060646.D
 Acq: 19 Dec 2018 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

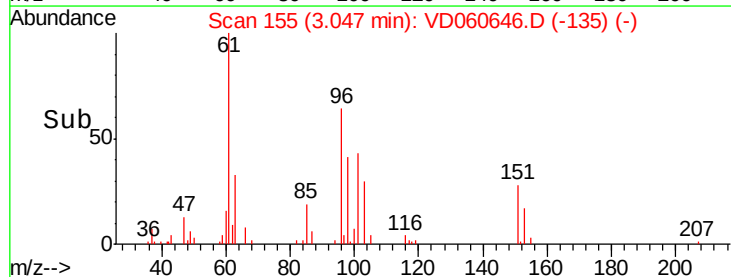
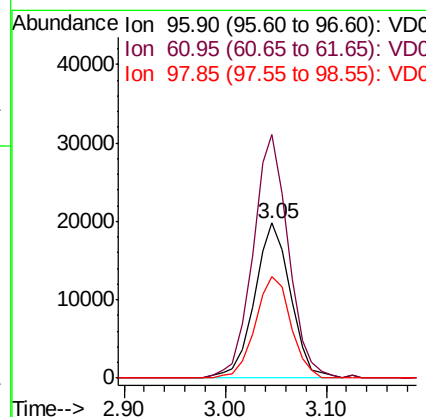
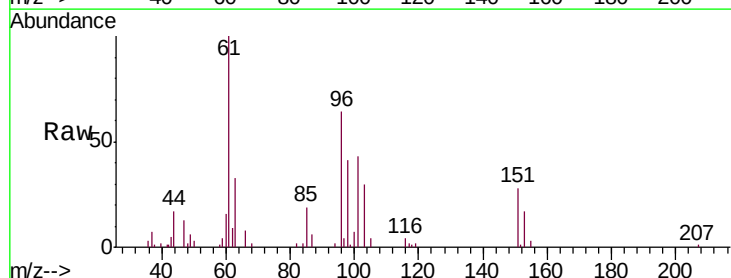
Tgt Ion: 59 Resp: 4650
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.6#

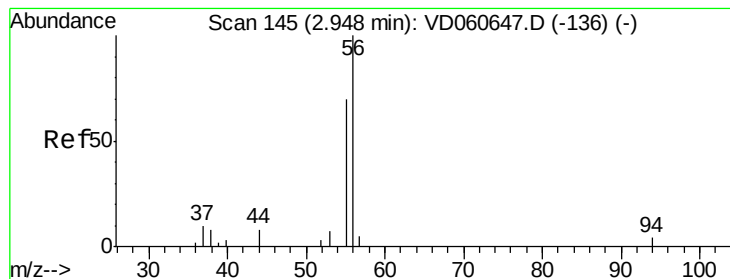


#12

1,1-Dichloroethene
 Concen: 19.183 ug/l
 RT: 3.05 min Scan# 155
 Delta R.T. -0.00 min
 Lab File: VD060646.D
 Acq: 19 Dec 2018 19:05

Tgt Ion: 96 Resp: 48881
 Ion Ratio Lower Upper
 96 100
 61 157.3 117.7 176.5
 98 65.2 50.4 75.6





#13

Acrolein

Concen: 128.353 ug/l

RT: 2.95 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_D

ClientSampleId :

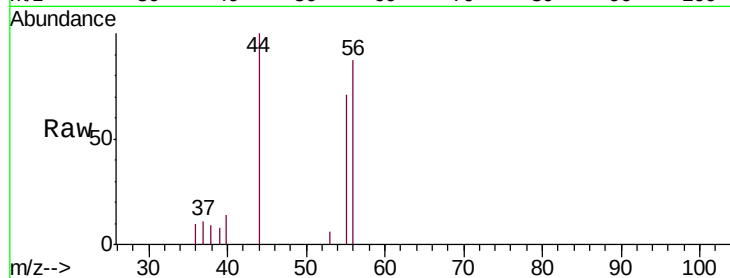
VSTDIC020

Tgt Ion: 56 Resp: 13986

Ion Ratio Lower Upper

56 100

55 81.8 55.8 83.8



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.95

5000

4000

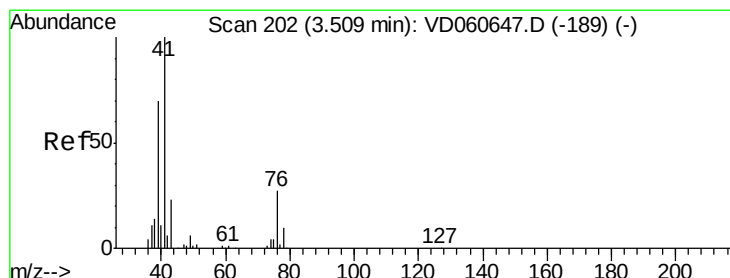
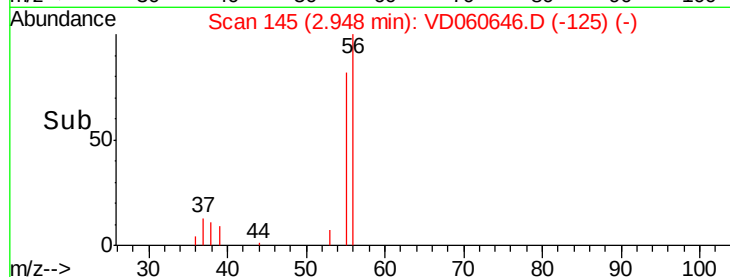
3000

2000

1000

0

Time--> 2.80 2.90 3.00



#14

Allyl chloride

Concen: 19.284 ug/l

RT: 3.50 min Scan# 201

Delta R.T. -0.01 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

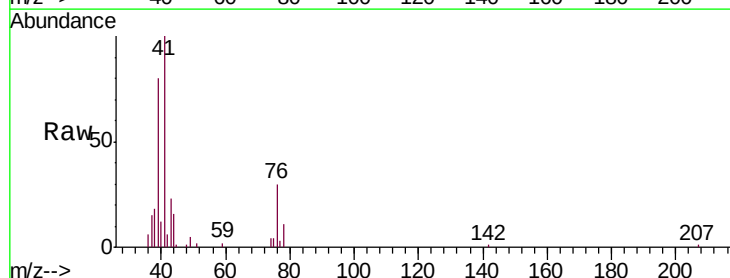
Tgt Ion: 41 Resp: 82440

Ion Ratio Lower Upper

41 100

39 80.4 55.7 83.5

76 29.8 23.9 35.9



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

60000

50000

40000

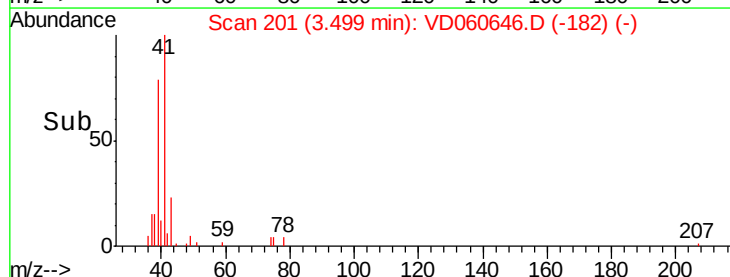
30000

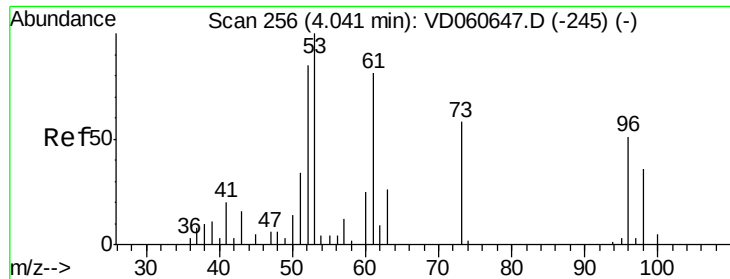
20000

10000

0

Time--> 3.40 3.50 3.60 3.70





#15

Acrylonitrile

Concen: 97.196 ug/l

RT: 4.04 min Scan# 256

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

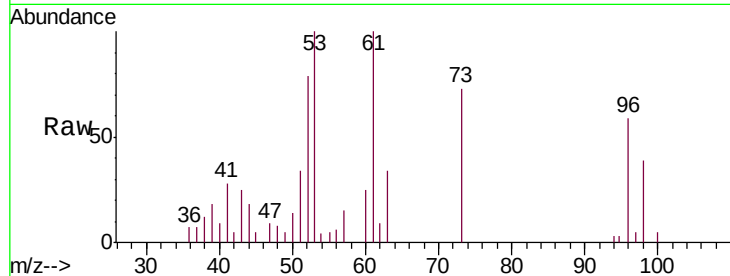
Tgt Ion: 53 Resp: 48935

Ion Ratio Lower Upper

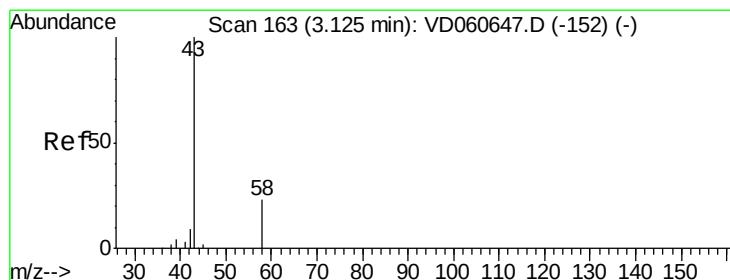
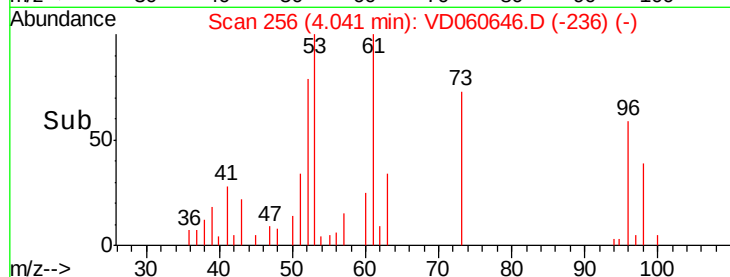
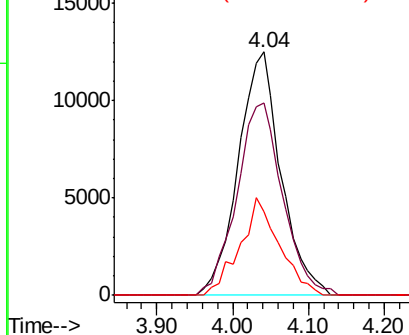
53 100

52 78.8 68.2 102.4

51 34.4 27.3 40.9



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: 104.636 ug/l

RT: 3.13 min Scan# 163

Delta R.T. -0.00 min

Lab File: VD060646.D

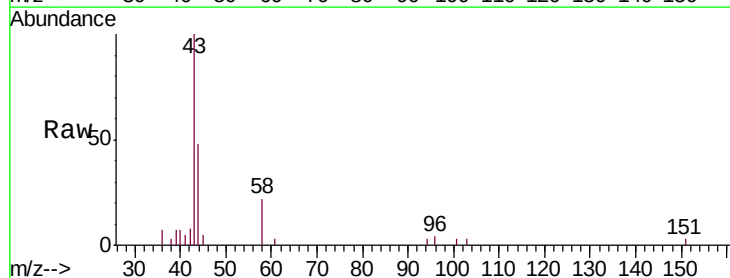
Acq: 19 Dec 2018 19:05

Tgt Ion: 43 Resp: 54066

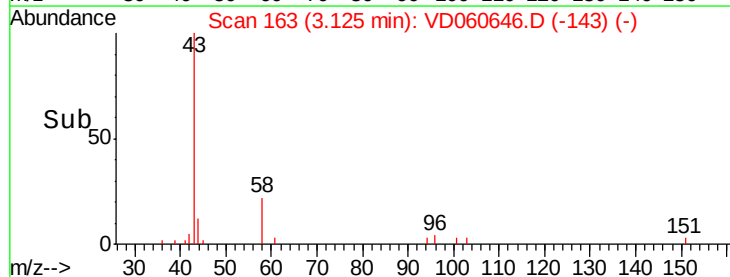
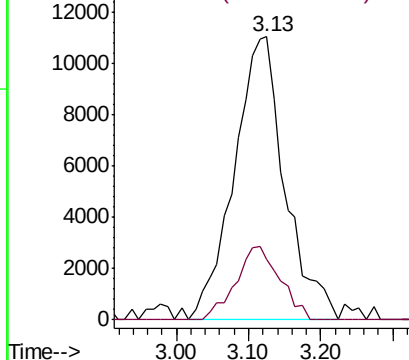
Ion Ratio Lower Upper

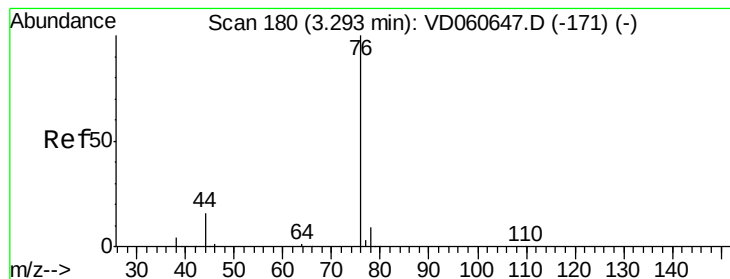
43 100

58 21.5 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 18.921 ug/l

RT: 3.29 min Scan# 180

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_D

ClientSampleId :

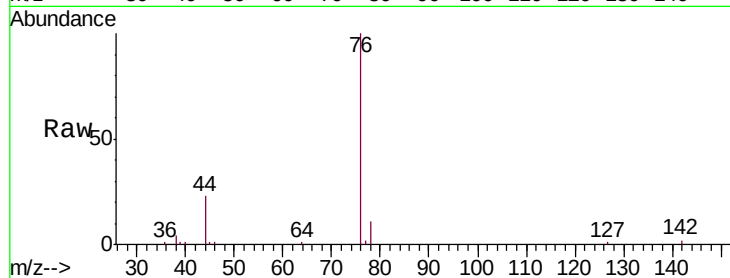
VSTDIC020

Tgt Ion: 76 Resp: 158471

Ion Ratio Lower Upper

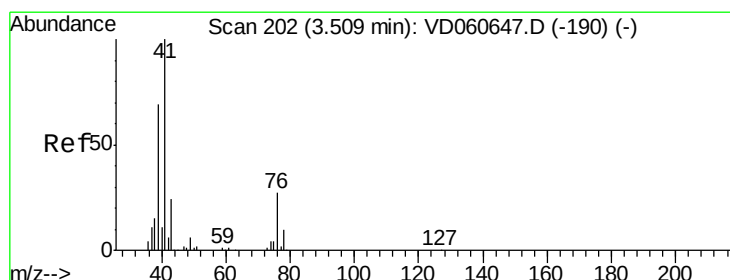
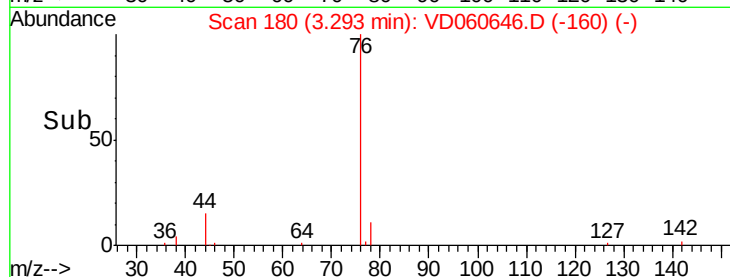
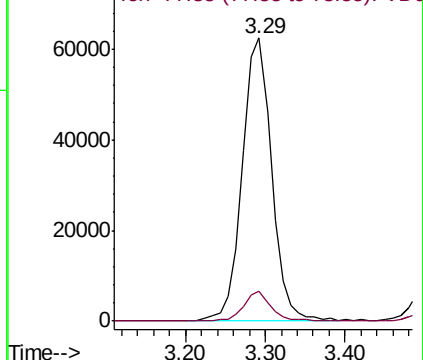
76 100

78 10.6 7.2 10.8



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 21.223 ug/l

RT: 3.51 min Scan# 202

Delta R.T. -0.00 min

Lab File: VD060646.D

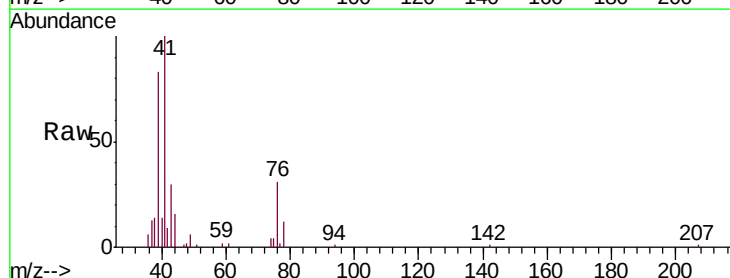
Acq: 19 Dec 2018 19:05

Tgt Ion: 43 Resp: 28530

Ion Ratio Lower Upper

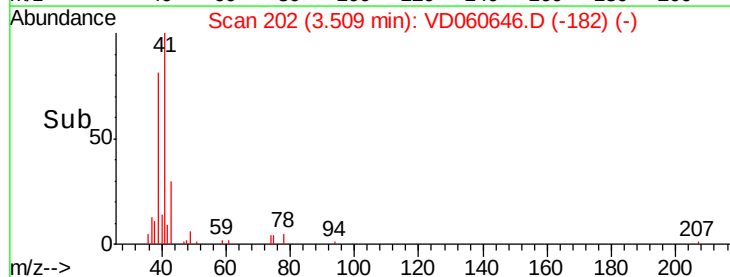
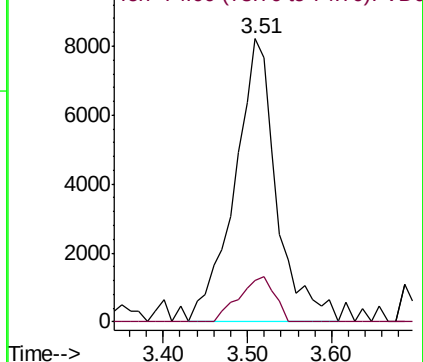
43 100

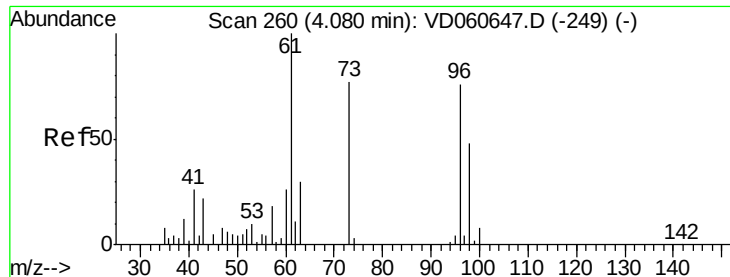
74 14.8 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

Methyl tert-butyl Ether

Concen: 19.406 ug/l

RT: 4.08 min Scan# 260

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_D

ClientSampleId :

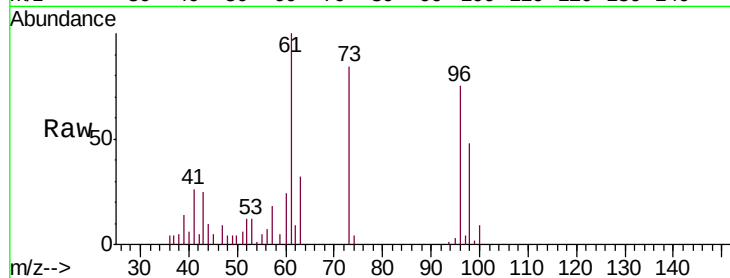
VSTDIC020

Tgt Ion: 73 Resp: 72096

Ion Ratio Lower Upper

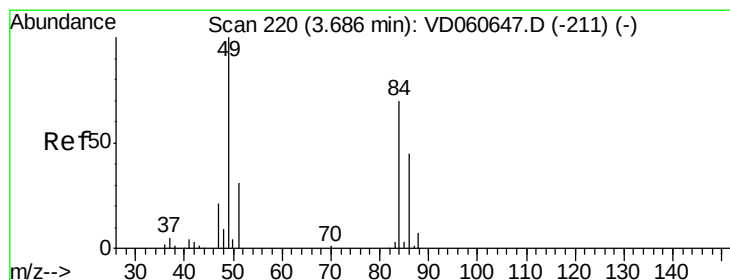
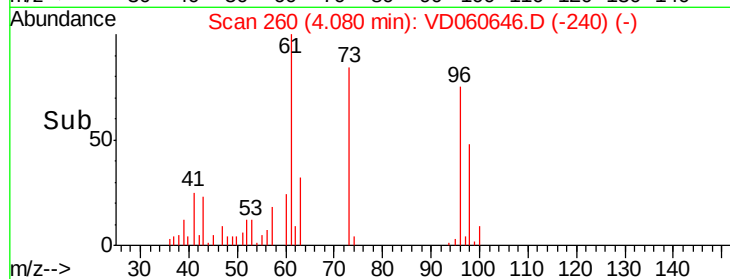
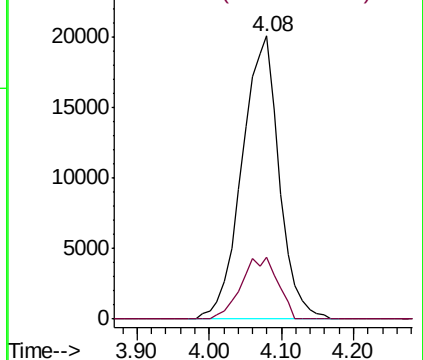
73 100

57 22.0 18.4 27.6



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC



#20

Methylene Chloride

Concen: 21.625 ug/l

RT: 3.69 min Scan# 220

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Tgt Ion: 84 Resp: 74946

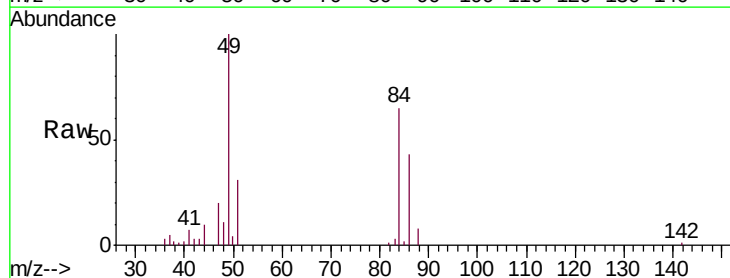
Ion Ratio Lower Upper

84 100

49 154.3 113.9 170.9

51 47.1 34.8 52.2

86 67.1 51.0 76.4

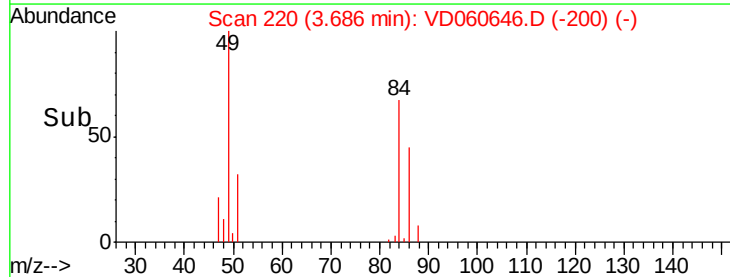
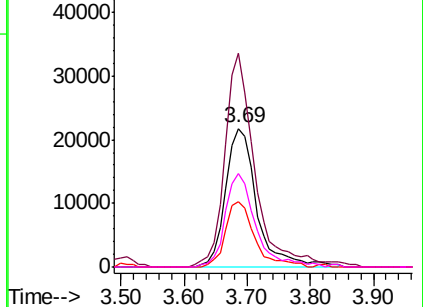


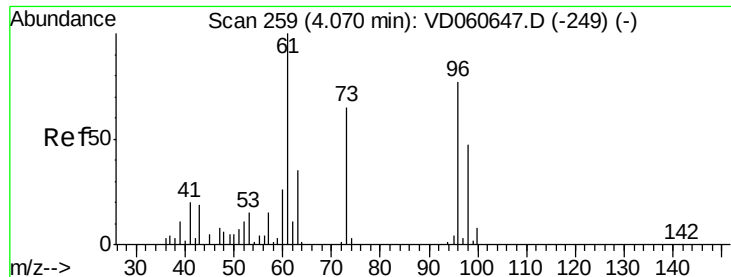
Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#21

trans-1,2-Dichloroethene

Concen: 18.453 ug/l

RT: 4.07 min Scan# 259

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

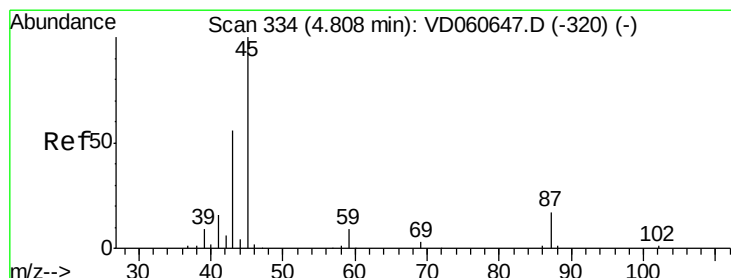
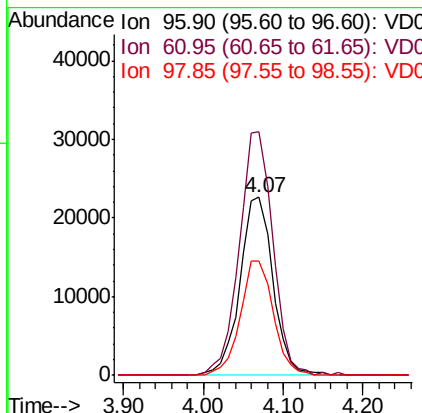
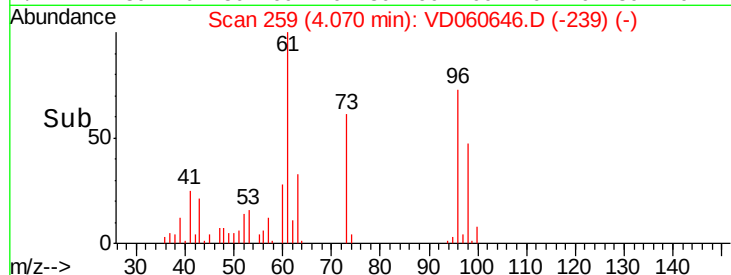
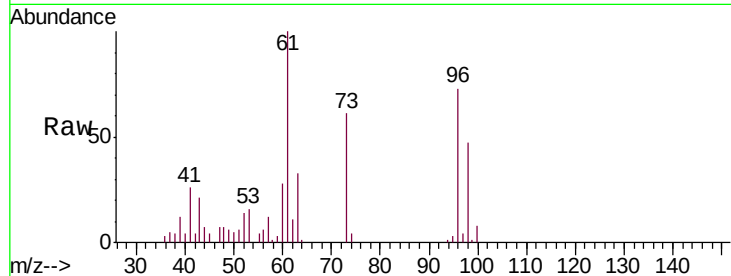
Tgt Ion: 96 Resp: 65099

Ion Ratio Lower Upper

96 100

61 136.6 103.5 155.3

98 64.2 49.0 73.4



#22

Diisopropyl ether

Concen: 19.284 ug/l

RT: 4.81 min Scan# 334

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Tgt Ion: 45 Resp: 203720

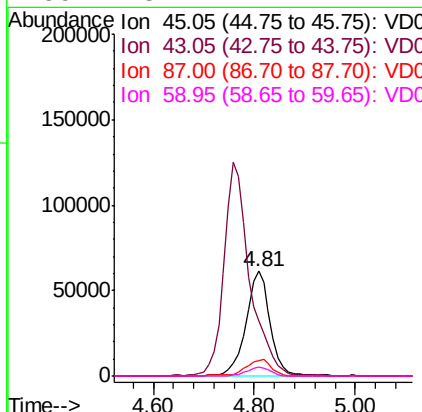
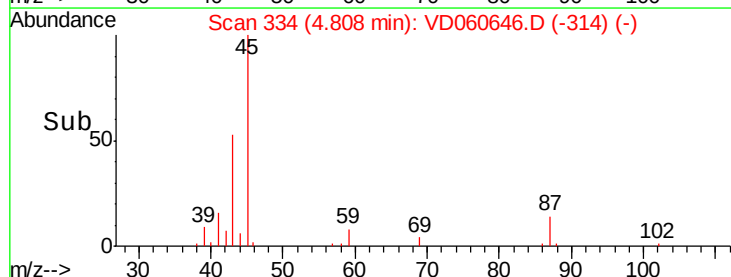
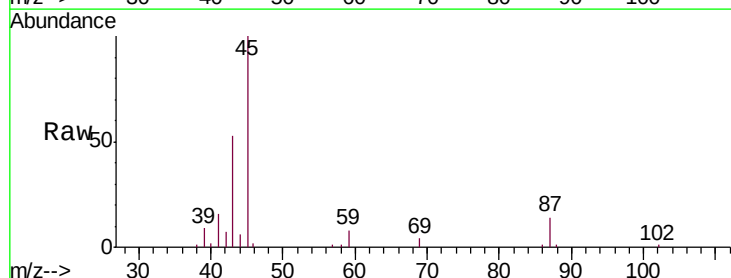
Ion Ratio Lower Upper

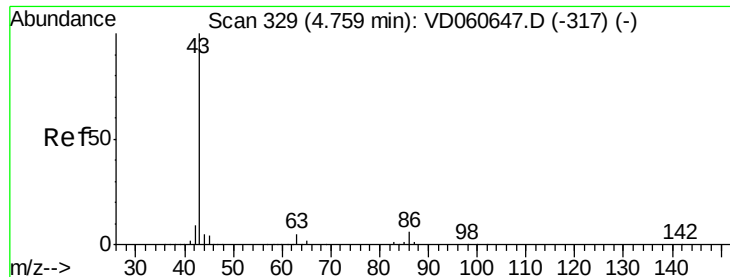
45 100

43 52.6 45.2 67.8

87 14.5 13.3 19.9

59 8.1 7.4 11.2





#23

Vinyl Acetate

Concen: 91.354 ug/l

RT: 4.76 min Scan# 329

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_D

ClientSampleId :

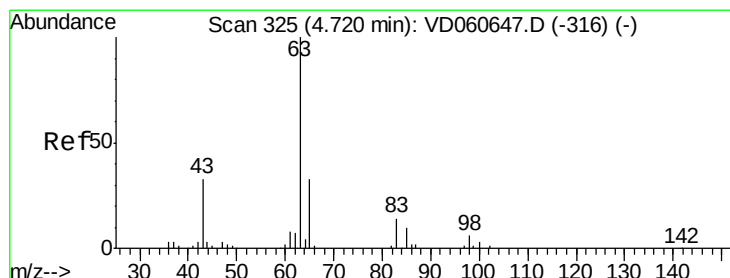
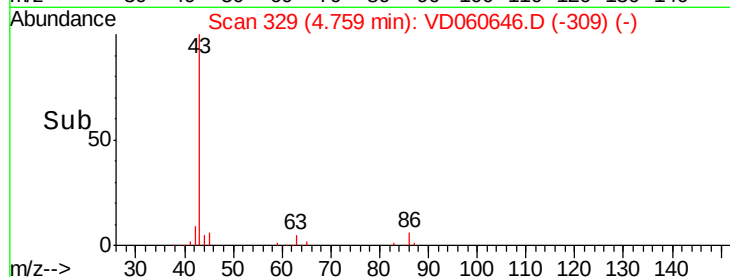
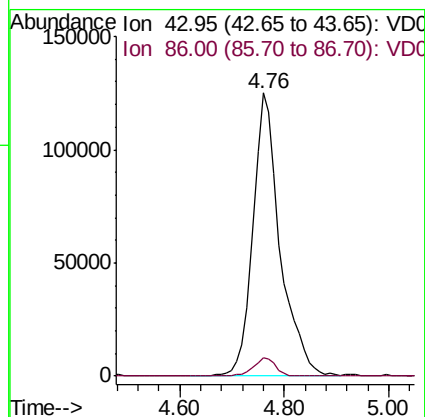
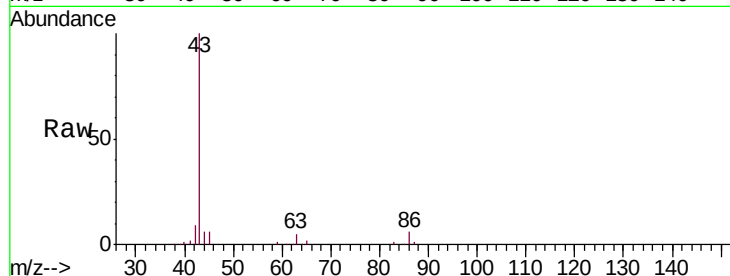
VSTDIC020

Tgt Ion: 43 Resp: 442089

Ion Ratio Lower Upper

43 100

86 6.4 5.0 7.6



#24

1,1-Dichloroethane

Concen: 19.310 ug/l

RT: 4.72 min Scan# 325

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

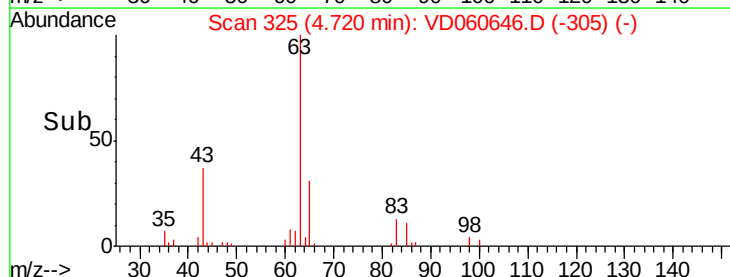
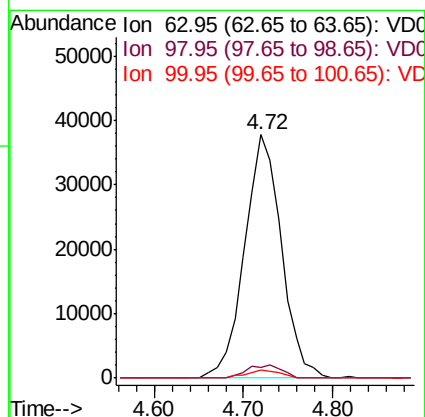
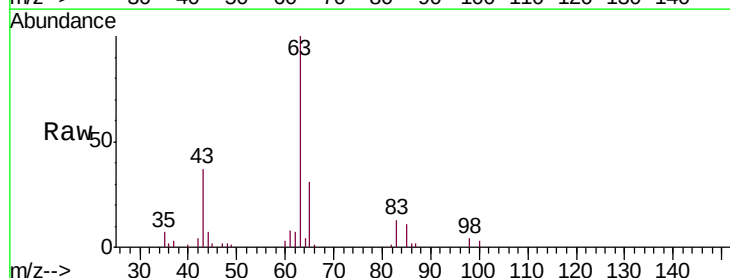
Tgt Ion: 63 Resp: 107448

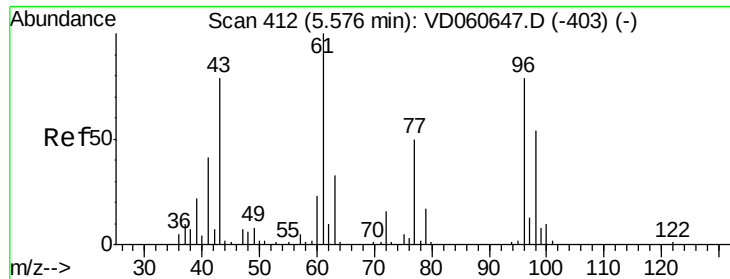
Ion Ratio Lower Upper

63 100

98 4.2 2.8 8.3

100 3.4 1.7 5.1





#25

2-Butanone

Concen: 98.367 ug/l

RT: 5.58 min Scan# 412

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_D

ClientSampleId :

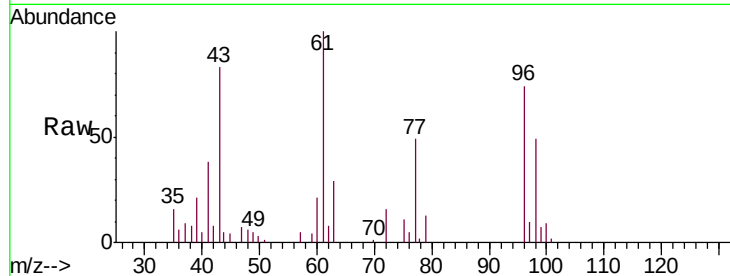
VSTDIC020

Tgt Ion: 43 Resp: 69904

Ion Ratio Lower Upper

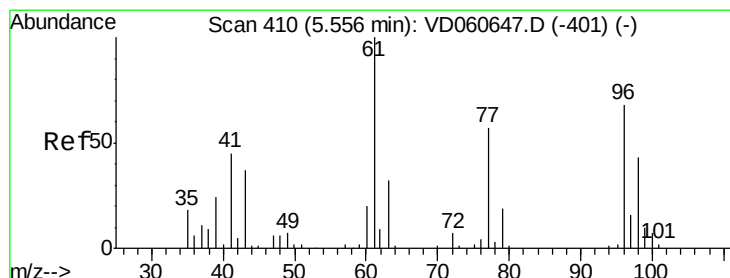
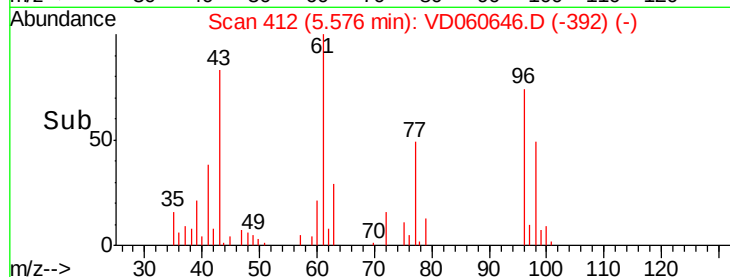
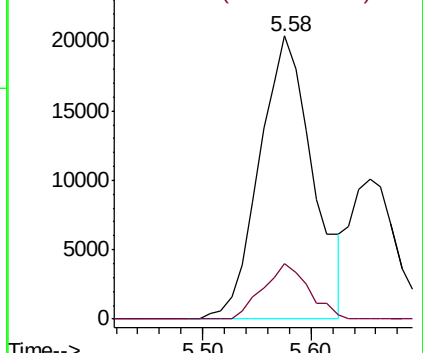
43 100

72 19.7 16.0 24.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 18.488 ug/l

RT: 5.56 min Scan# 410

Delta R.T. -0.00 min

Lab File: VD060646.D

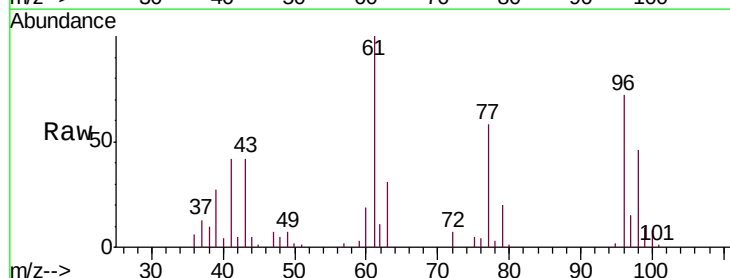
Acq: 19 Dec 2018 19:05

Tgt Ion: 77 Resp: 55850

Ion Ratio Lower Upper

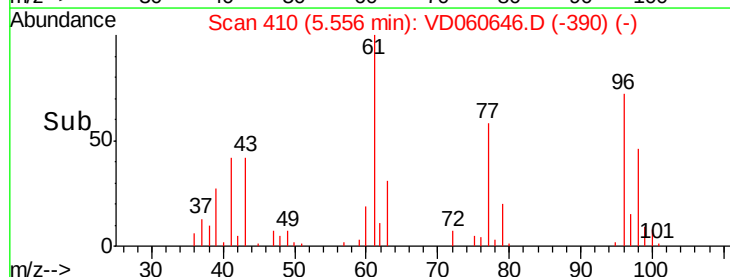
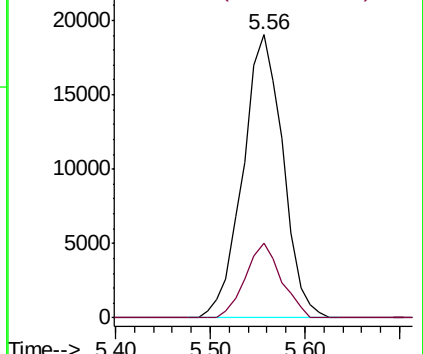
77 100

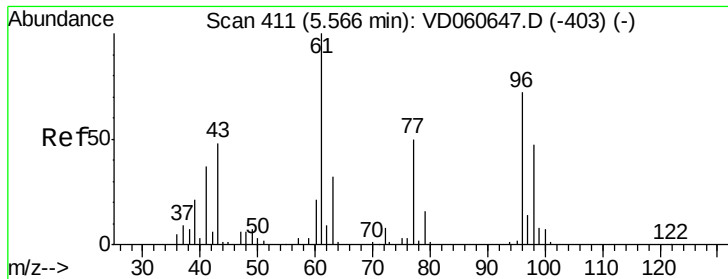
97 26.3 14.1 42.4



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



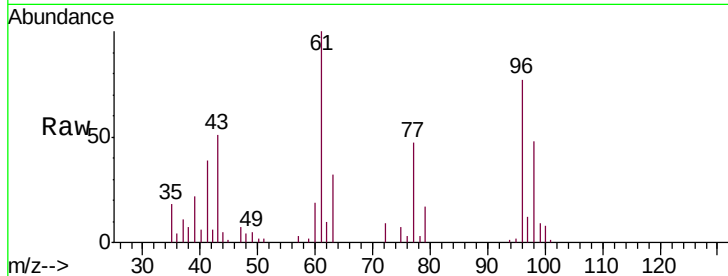


#27

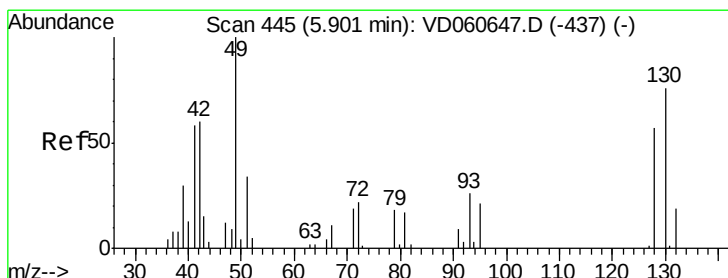
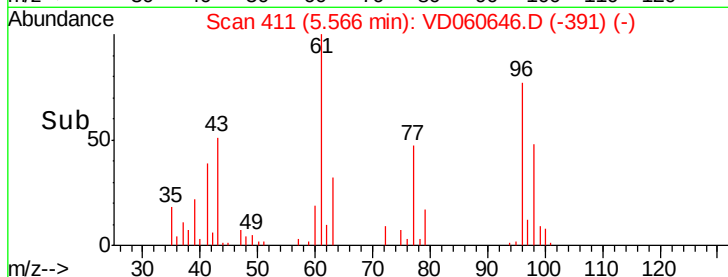
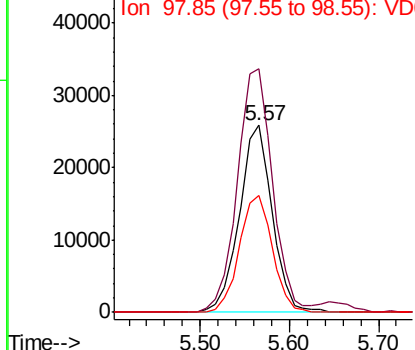
cis-1,2-Dichloroethene
 Concen: 19.385 ug/l
 RT: 5.57 min Scan# 411
 Delta R.T. -0.00 min
 Lab File: VD060646.D
 Acq: 19 Dec 2018 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 96 Resp: 65868
 Ion Ratio Lower Upper
 96 100
 61 130.3 0.0 276.4
 98 62.5 0.0 129.4



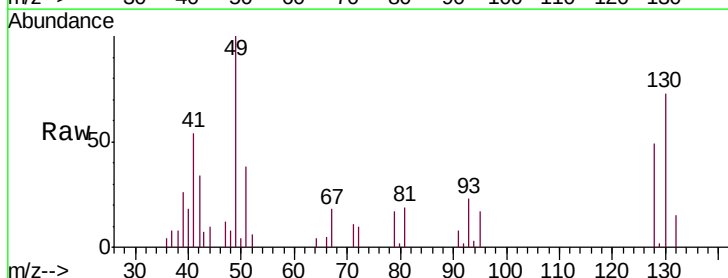
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



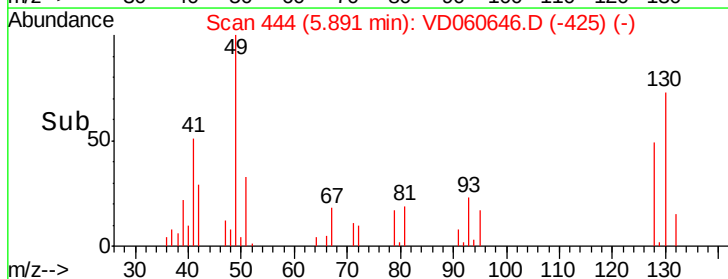
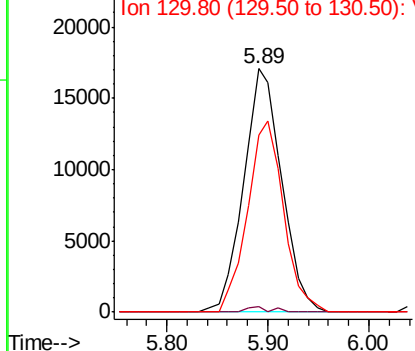
#28

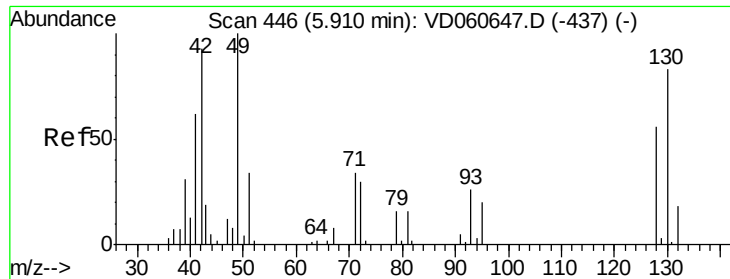
Bromochloromethane
 Concen: 20.801 ug/l
 RT: 5.89 min Scan# 444
 Delta R.T. -0.01 min
 Lab File: VD060646.D
 Acq: 19 Dec 2018 19:05

Tgt Ion: 49 Resp: 44724
 Ion Ratio Lower Upper
 49 100
 129 2.1 0.0 0.0#
 130 72.9 60.4 90.6



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: 94.597 ug/l

RT: 5.91 min Scan# 446

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

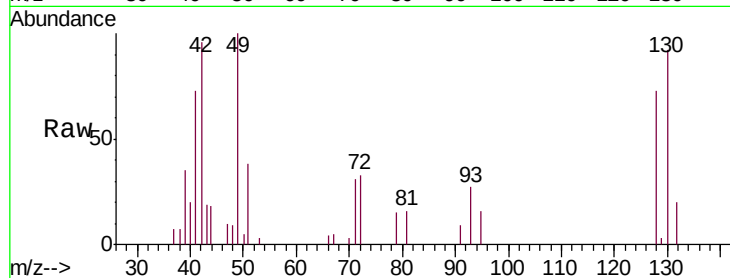
Tgt Ion: 42 Resp: 36450

Ion Ratio Lower Upper

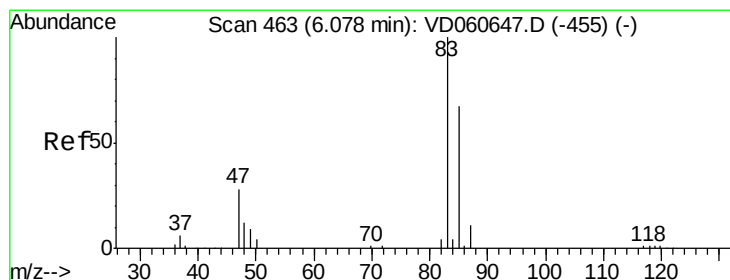
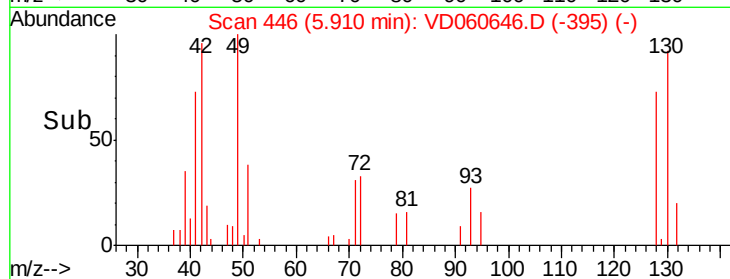
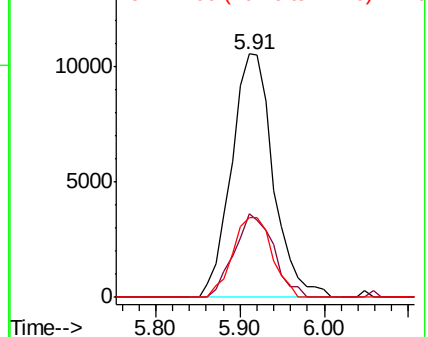
42 100

72 32.2 26.5 39.7

71 31.0 27.4 41.0



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 19.277 ug/l

RT: 6.07 min Scan# 462

Delta R.T. -0.01 min

Lab File: VD060646.D

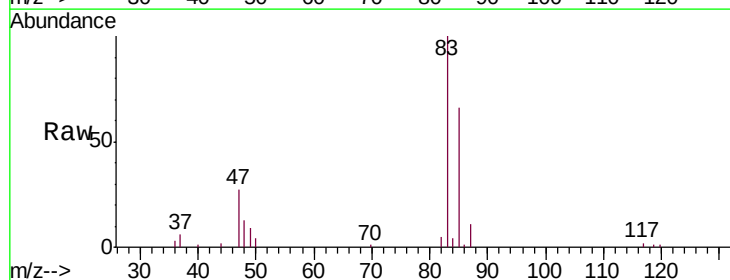
Acq: 19 Dec 2018 19:05

Tgt Ion: 83 Resp: 108236

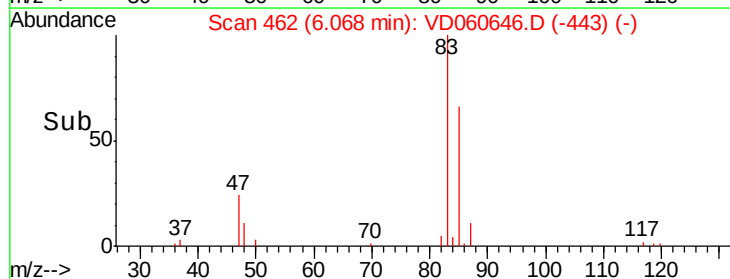
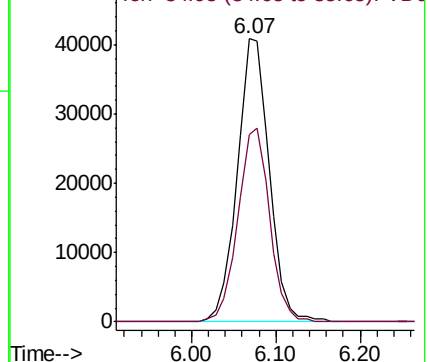
Ion Ratio Lower Upper

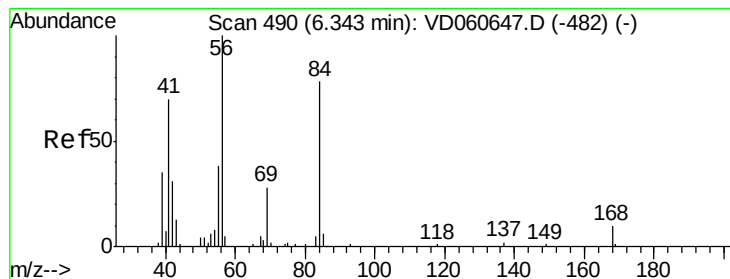
83 100

85 66.4 53.4 80.2



Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 19.806 ug/l

RT: 6.34 min Scan# 490

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

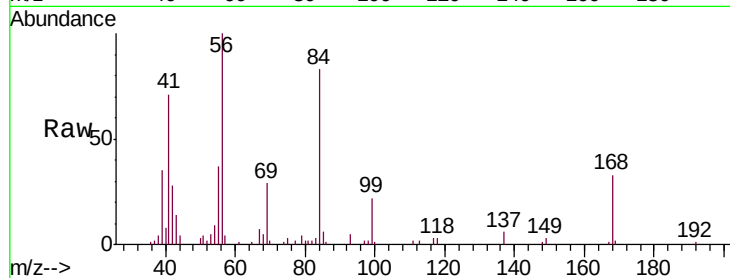
Tgt Ion: 56 Resp: 100194

Ion Ratio Lower Upper

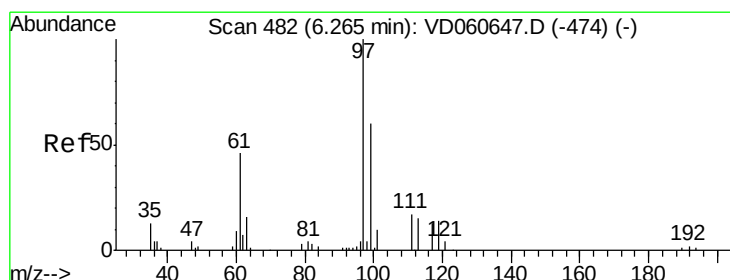
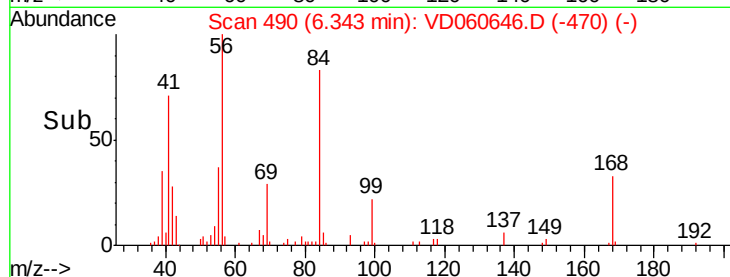
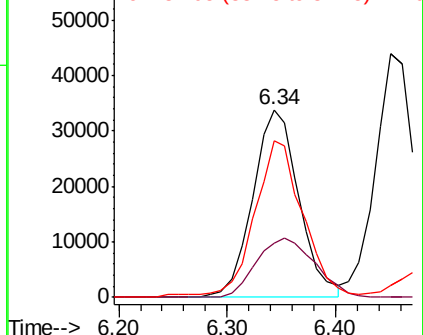
56 100

69 28.7 22.2 33.2

84 83.3 62.4 93.6



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: 19.598 ug/l

RT: 6.26 min Scan# 482

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

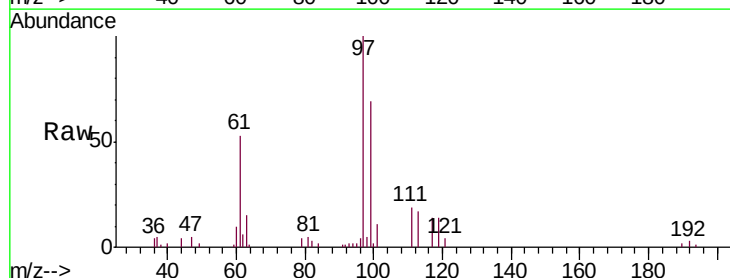
Tgt Ion: 97 Resp: 85157

Ion Ratio Lower Upper

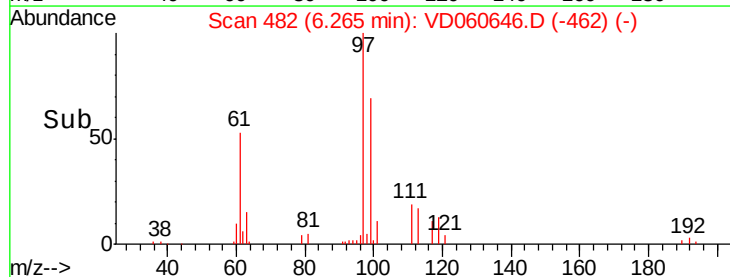
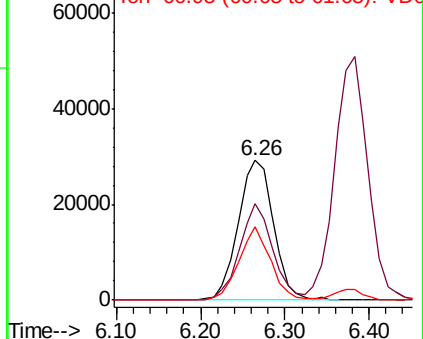
97 100

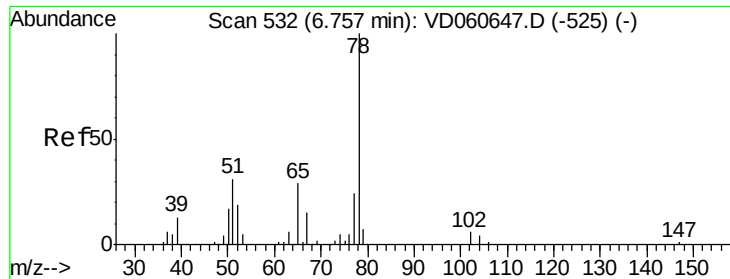
99 69.4 48.3 72.5

61 52.6 37.0 55.4



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

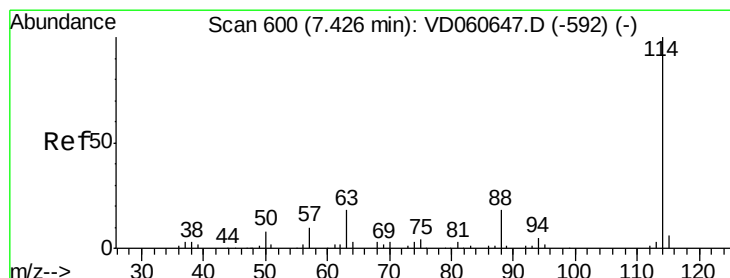
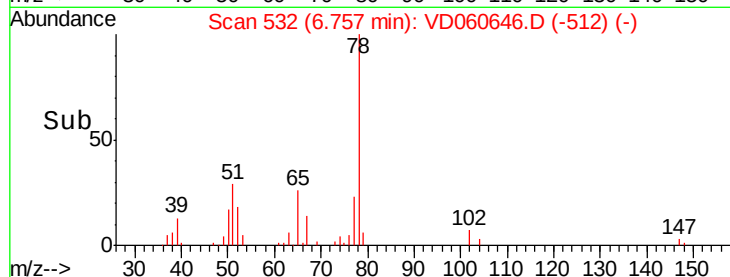
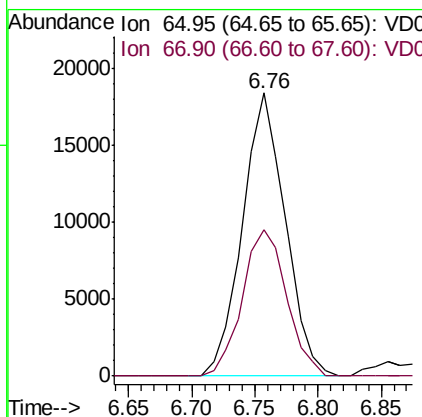
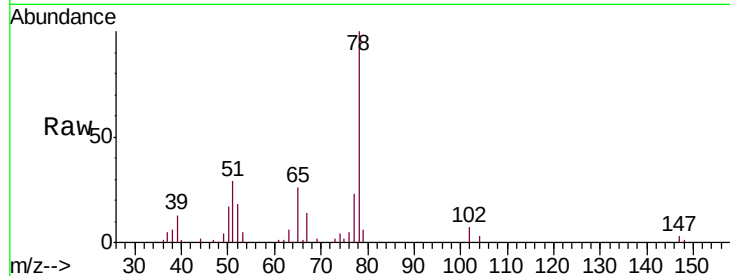




#33
 1,2-Dichloroethane-d4
 Concen: 19.598 ug/l
 RT: 6.76 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VD060646.D
 Acq: 19 Dec 2018 19:05

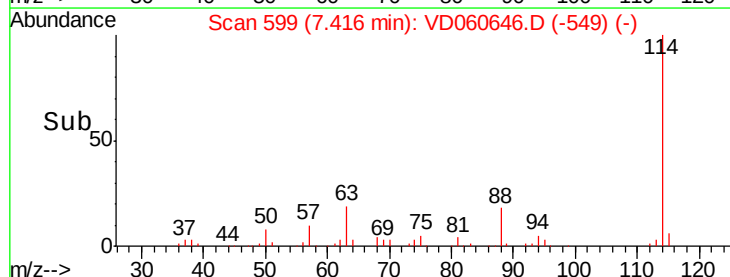
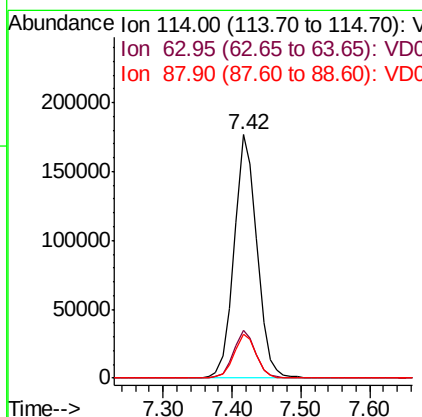
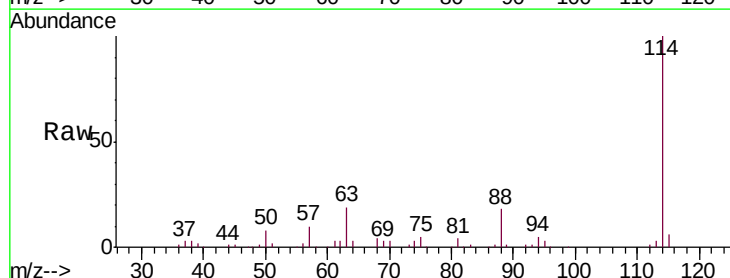
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

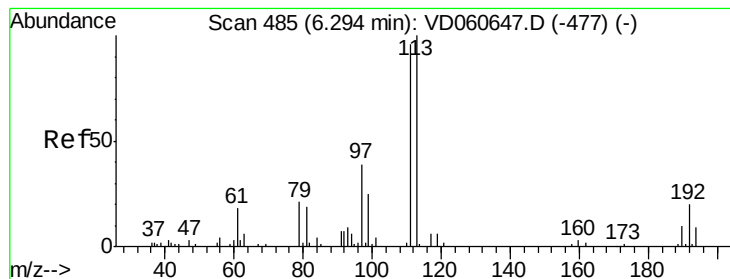
Tgt Ion: 65 Resp: 43404
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 599
 Delta R.T. -0.01 min
 Lab File: VD060646.D
 Acq: 19 Dec 2018 19:05

Tgt Ion: 114 Resp: 405363
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 35.6
 88 18.1 0.0 36.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.29 min Scan# 485

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

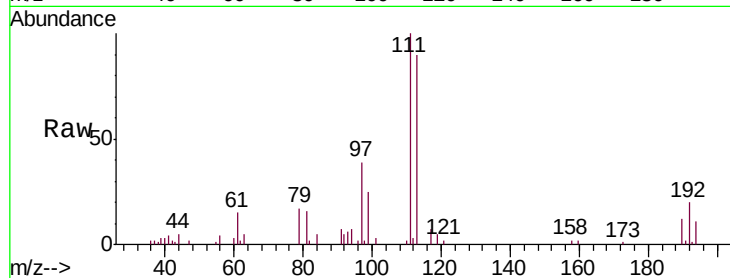
Tgt Ion: 113 Resp: 59767

Ion Ratio Lower Upper

113 100

111 110.9 77.0 115.6

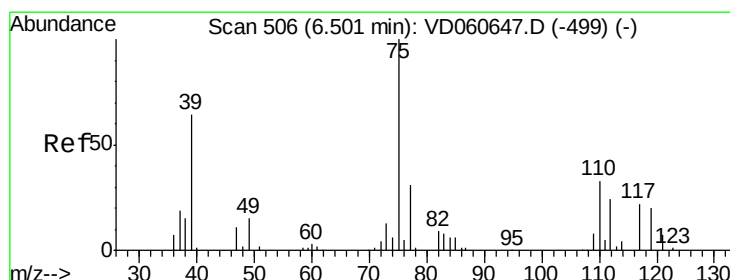
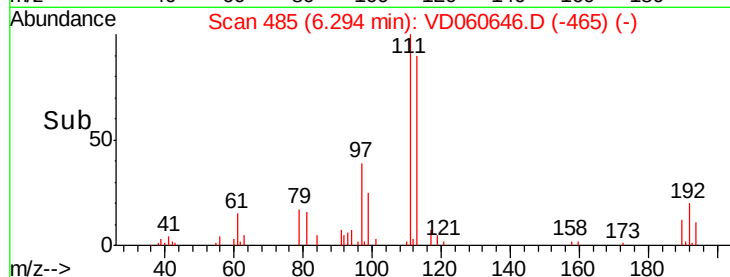
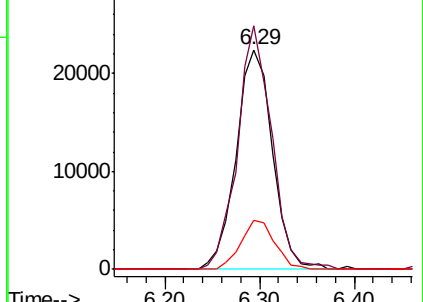
192 22.6 15.8 23.6



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: 18.404 ug/l

RT: 6.49 min Scan# 505

Delta R.T. -0.01 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

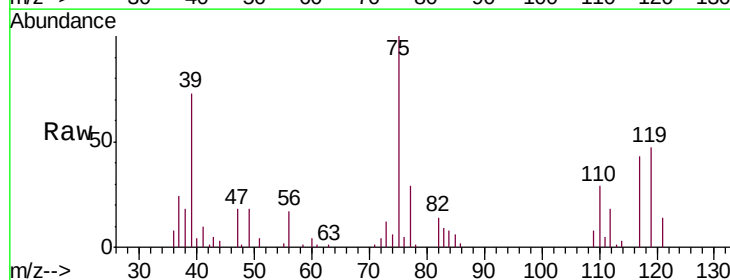
Tgt Ion: 75 Resp: 84154

Ion Ratio Lower Upper

75 100

110 29.5 16.4 49.2

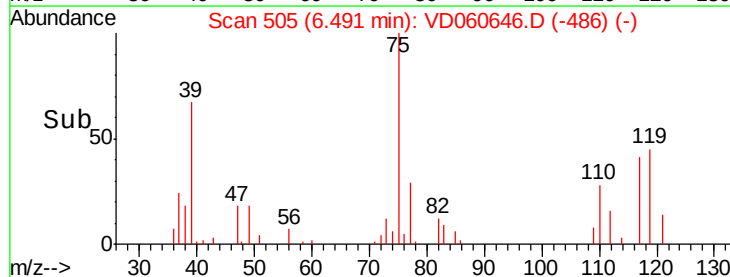
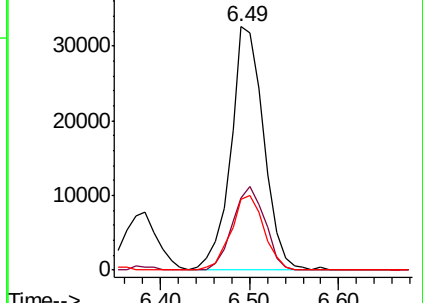
77 28.9 24.7 37.1

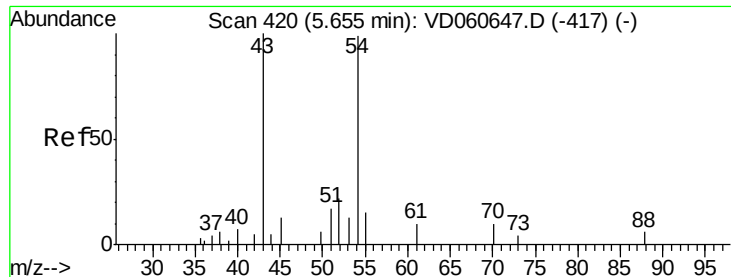


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

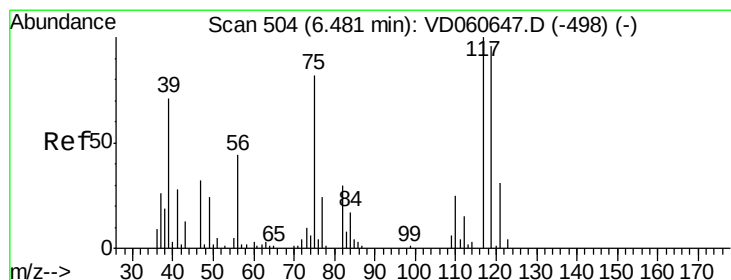
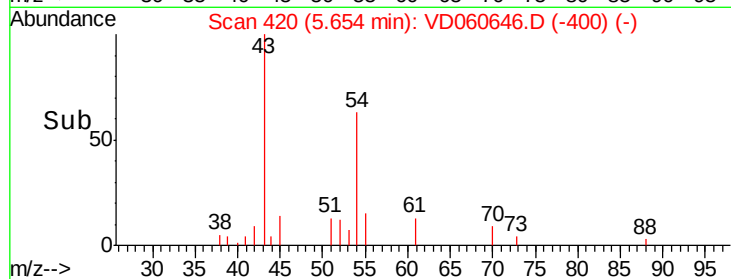
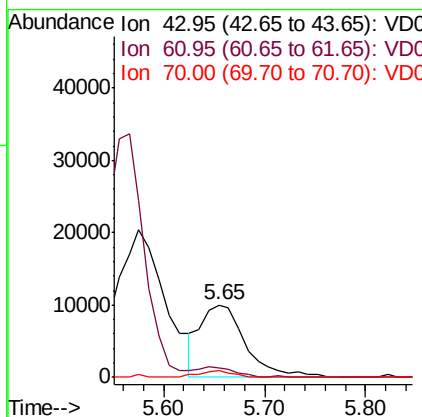
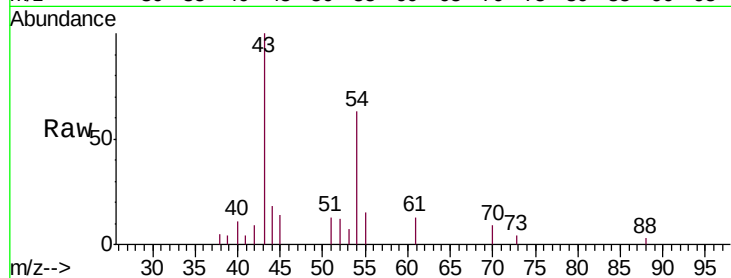




#37
Ethyl Acetate
Concen: 19.722 ug/l
RT: 5.65 min Scan# 420
Delta R.T. -0.00 min
Lab File: VD060646.D
Acq: 19 Dec 2018 19:05

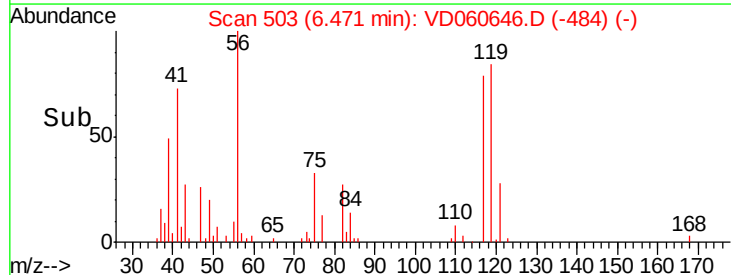
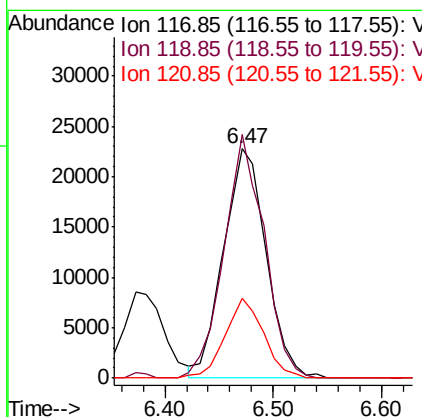
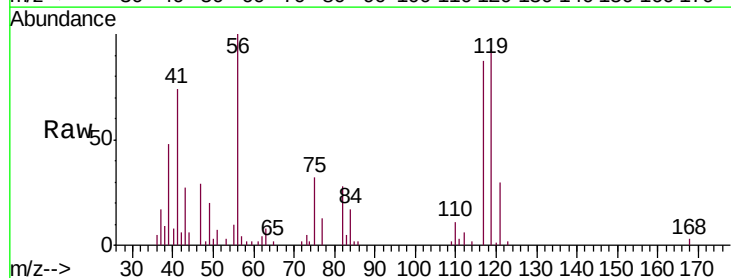
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

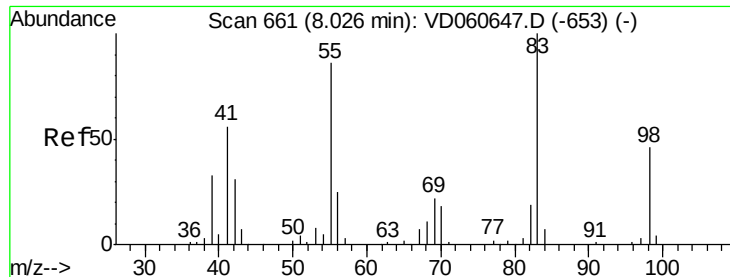
Tgt Ion: 43 Resp: 31010
Ion Ratio Lower Upper
43 100
61 12.6 10.5 15.7
70 9.4 5.4 8.2#



#38
Carbon Tetrachloride
Concen: 17.704 ug/l
RT: 6.47 min Scan# 503
Delta R.T. -0.01 min
Lab File: VD060646.D
Acq: 19 Dec 2018 19:05

Tgt Ion: 117 Resp: 62135
Ion Ratio Lower Upper
117 100
119 106.2 76.6 115.0
121 34.8 23.9 35.9

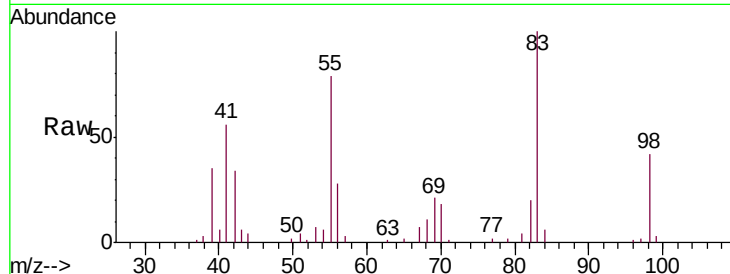




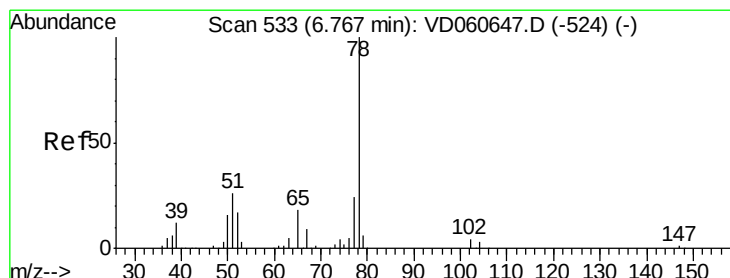
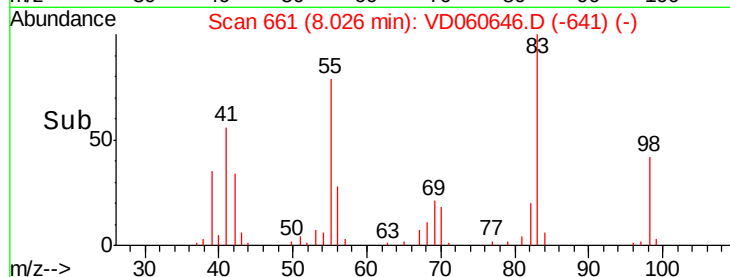
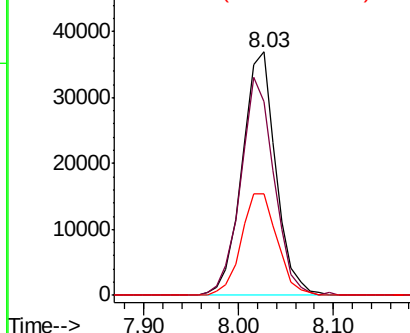
#39
Methylcyclohexane
Concen: 18.816 ug/l
RT: 8.03 min Scan# 661
Delta R.T. -0.00 min
Lab File: VD060646.D
Acq: 19 Dec 2018 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 83 Resp: 90930
Ion Ratio Lower Upper
83 100
55 79.4 69.0 103.6
98 41.9 37.0 55.4

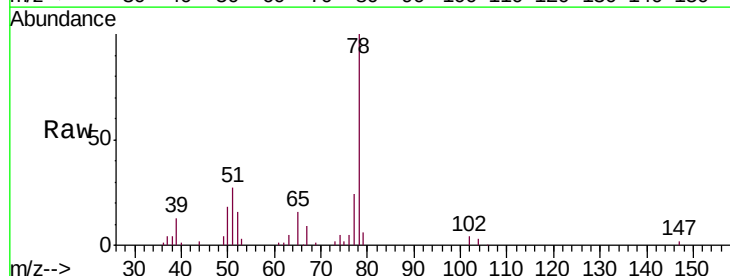


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

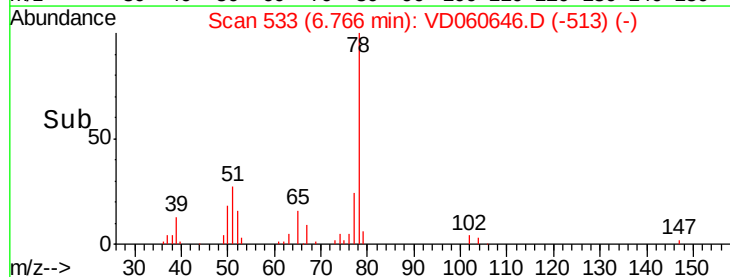
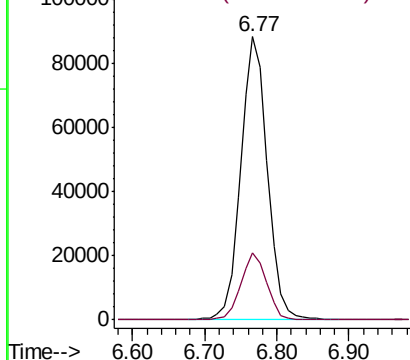


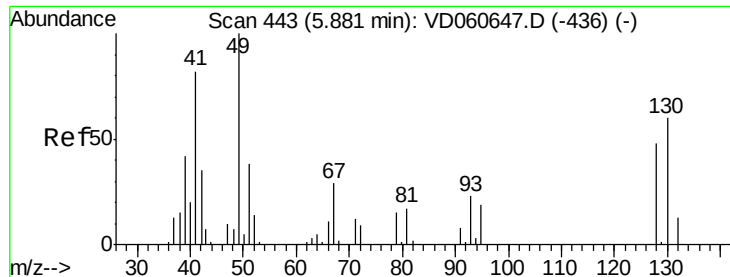
#40
Benzene
Concen: 19.876 ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.00 min
Lab File: VD060646.D
Acq: 19 Dec 2018 19:05

Tgt Ion: 78 Resp: 226311
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.6



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

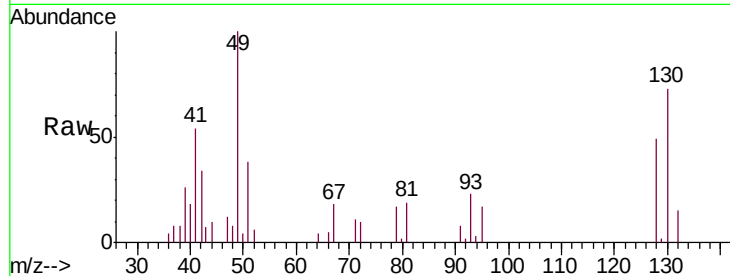




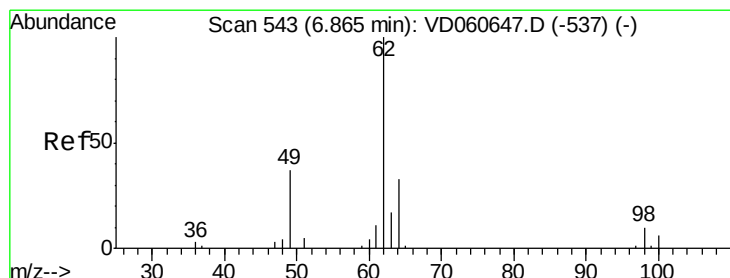
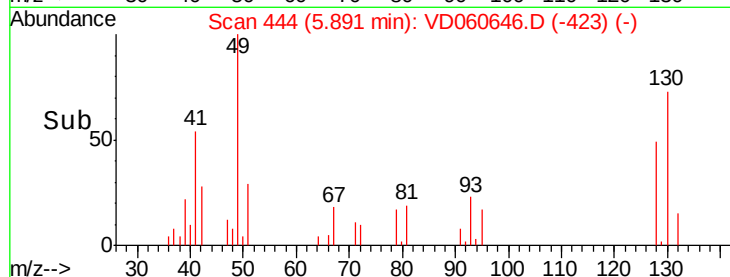
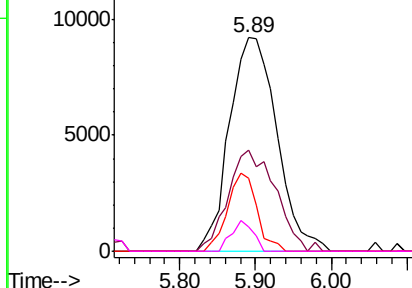
#41
Methacrylonitrile
Concen: 42.805 ug/l
RT: 5.89 min Scan# 444
Delta R.T. 0.01 min
Lab File: VD060646.D
Acq: 19 Dec 2018 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion: 41 Resp: 40062
Ion Ratio Lower Upper
41 100
39 47.5 41.0 61.6
67 34.0 28.2 42.4
52 11.3 13.4 20.0#

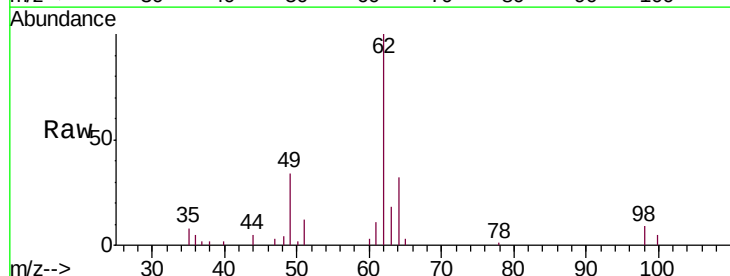


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

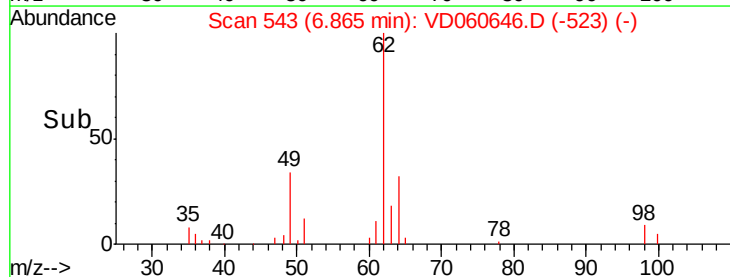
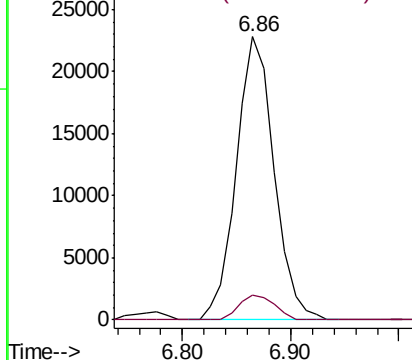


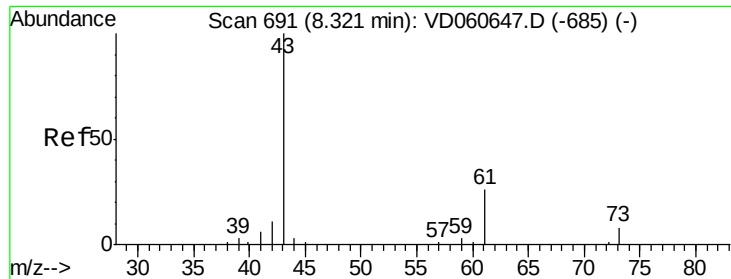
#42
1,2-Dichloroethane
Concen: 19.534 ug/l
RT: 6.86 min Scan# 543
Delta R.T. -0.00 min
Lab File: VD060646.D
Acq: 19 Dec 2018 19:05

Tgt Ion: 62 Resp: 55287
Ion Ratio Lower Upper
62 100
98 8.9 0.0 19.0



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





#43

Isopropyl Acetate

Concen: 18.577 ug/l

RT: 8.32 min Scan# 691

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

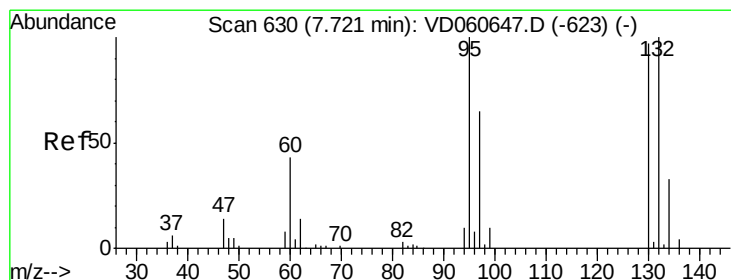
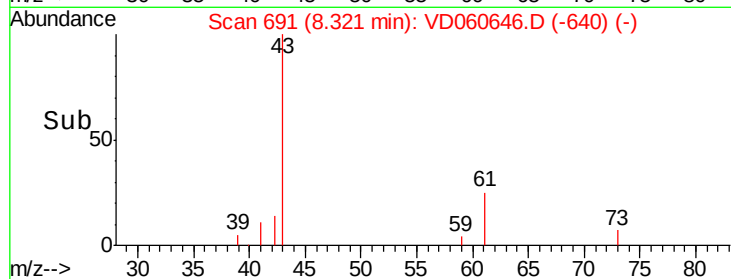
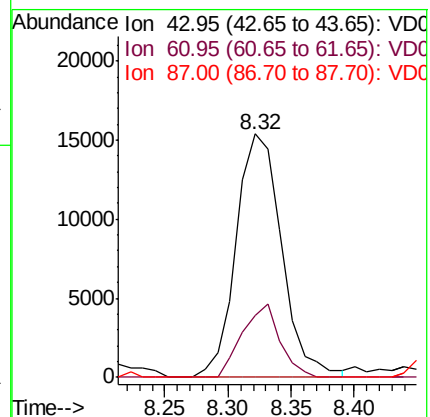
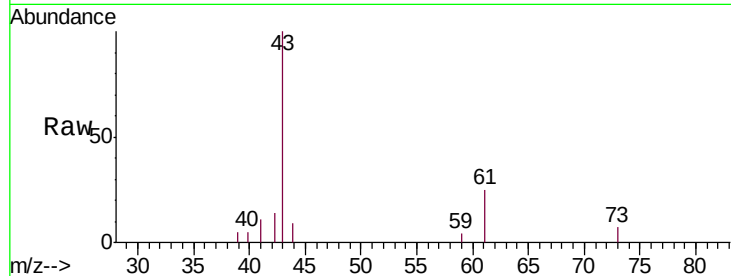
Tgt Ion: 43 Resp: 38593

Ion Ratio Lower Upper

43 100

61 25.2 20.4 30.6

87 0.0 0.0 0.0



#44

Trichloroethene

Concen: 19.087 ug/l

RT: 7.72 min Scan# 630

Delta R.T. -0.00 min

Lab File: VD060646.D

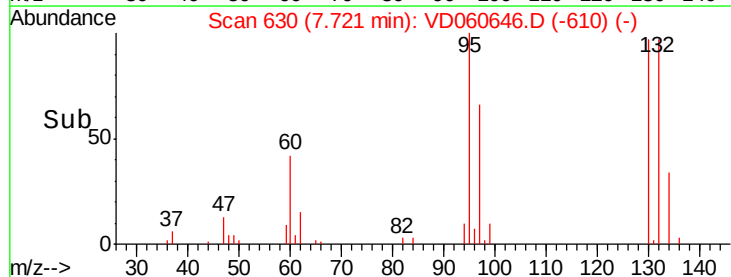
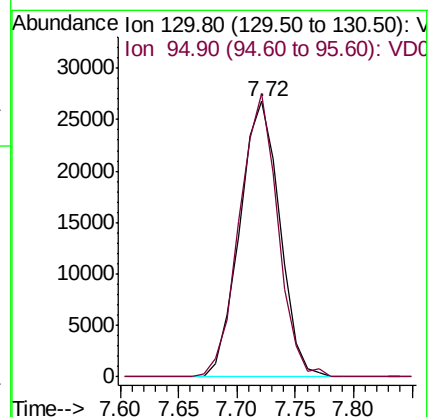
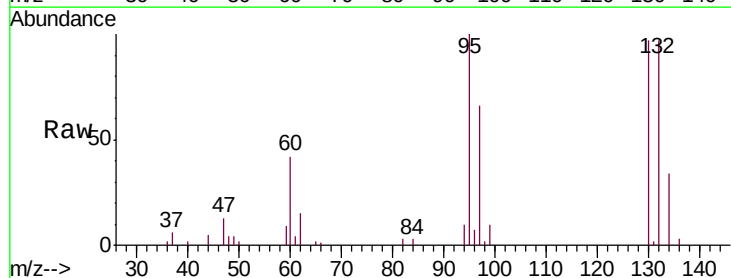
Acq: 19 Dec 2018 19:05

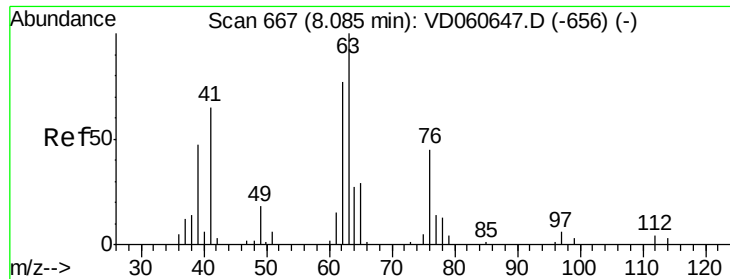
Tgt Ion: 130 Resp: 63707

Ion Ratio Lower Upper

130 100

95 102.9 0.0 206.2

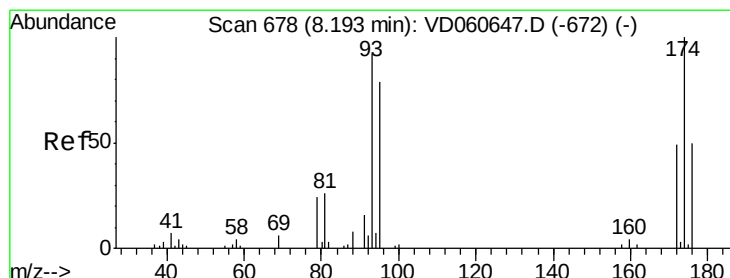
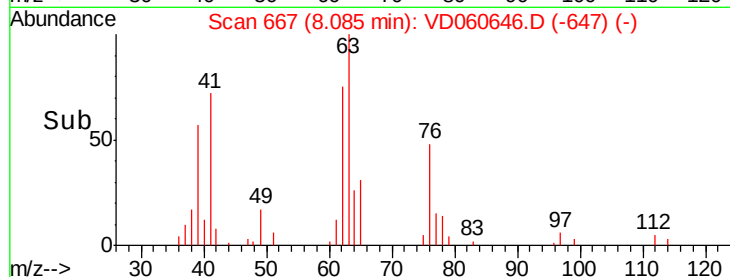
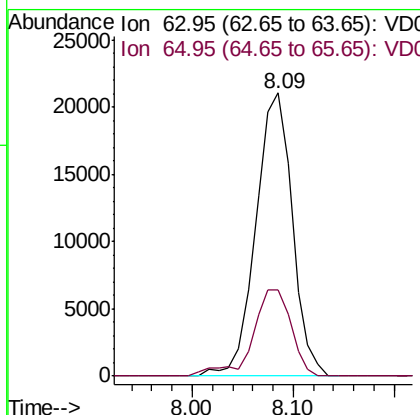
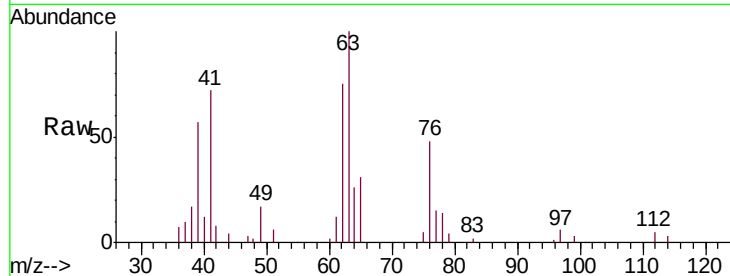




#45
1,2-Dichloropropane
Concen: 19.298 ug/l
RT: 8.09 min Scan# 667
Delta R.T. -0.00 min
Lab File: VD060646.D
Acq: 19 Dec 2018 19:05

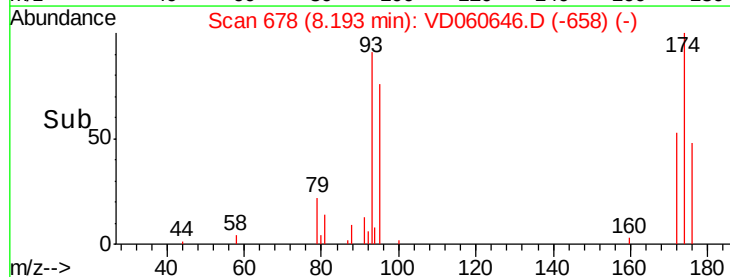
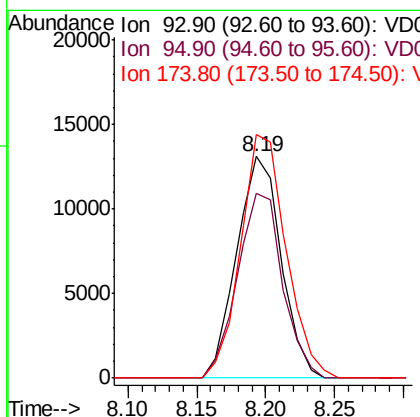
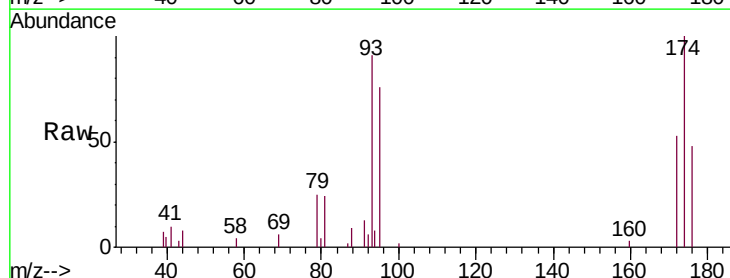
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

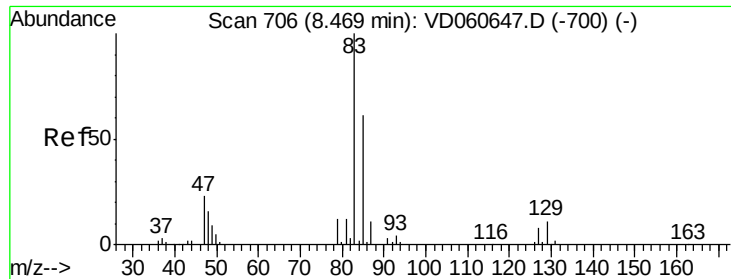
Tgt Ion: 63 Resp: 52769
Ion Ratio Lower Upper
63 100
65 30.6 23.5 35.3



#46
Dibromomethane
Concen: 20.165 ug/l
RT: 8.19 min Scan# 678
Delta R.T. -0.00 min
Lab File: VD060646.D
Acq: 19 Dec 2018 19:05

Tgt Ion: 93 Resp: 29403
Ion Ratio Lower Upper
93 100
95 83.2 68.4 102.6
174 109.9 87.1 130.7





#47

Bromodichloromethane

Concen: 19.309 ug/l

RT: 8.47 min Scan# 706

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

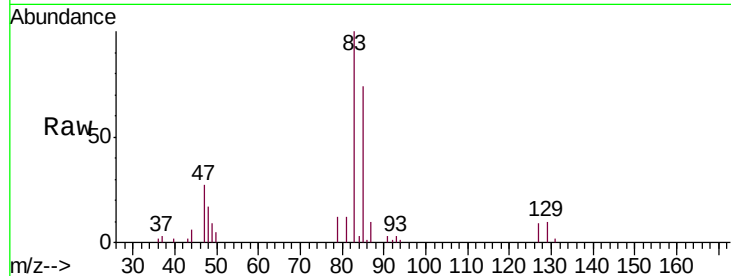
Tgt Ion: 83 Resp: 70697

Ion Ratio Lower Upper

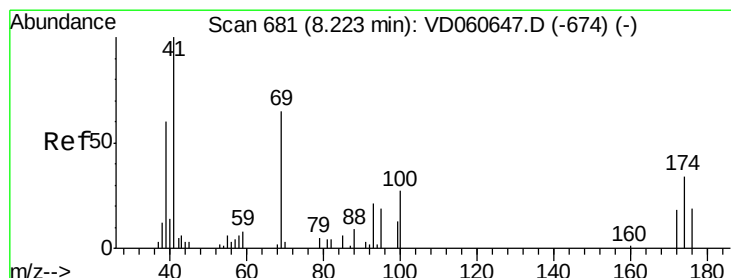
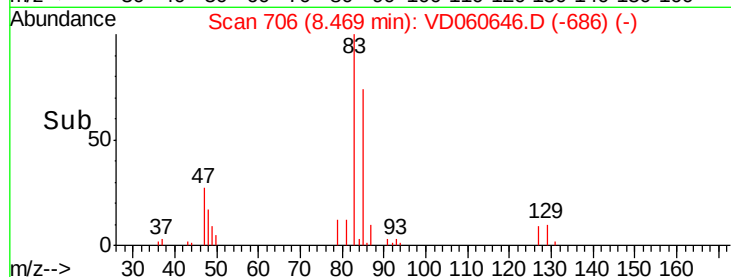
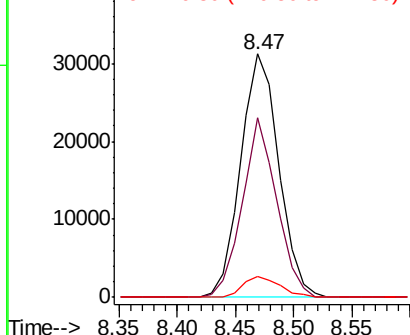
83 100

85 73.6 48.9 73.3#

127 8.8 6.4 9.6



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: 18.800 ug/l

RT: 8.22 min Scan# 681

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

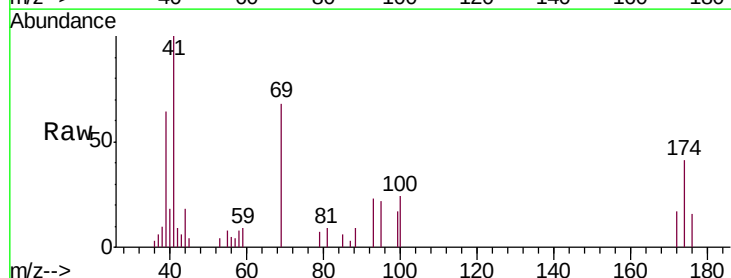
Tgt Ion: 41 Resp: 23435

Ion Ratio Lower Upper

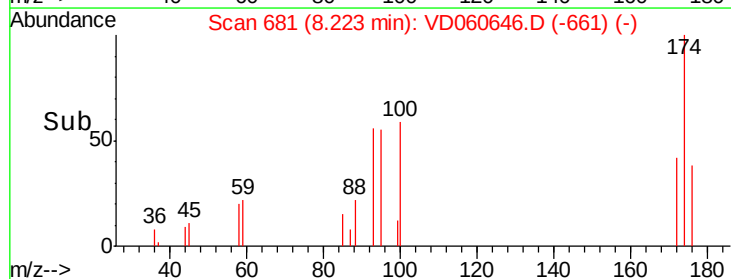
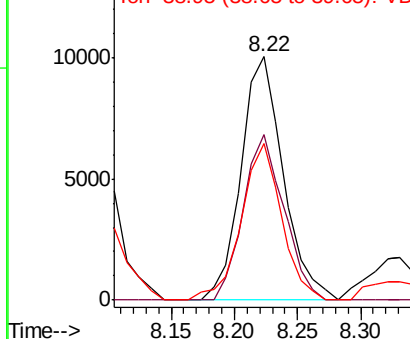
41 100

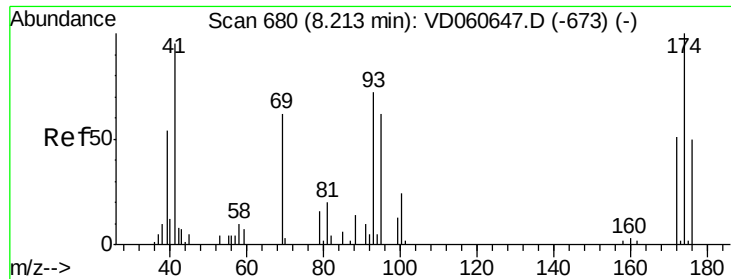
69 67.8 50.6 76.0

39 64.2 48.2 72.4



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

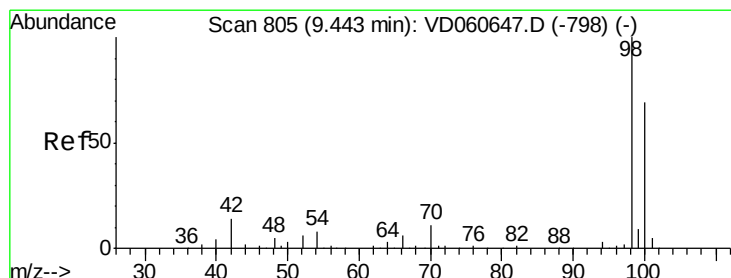
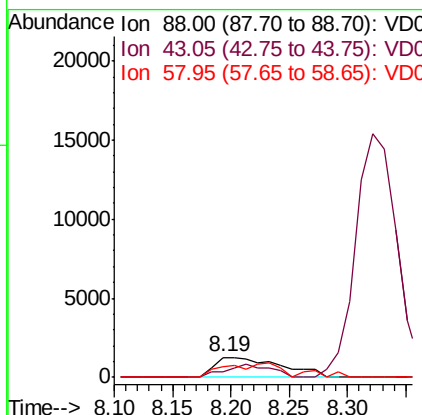
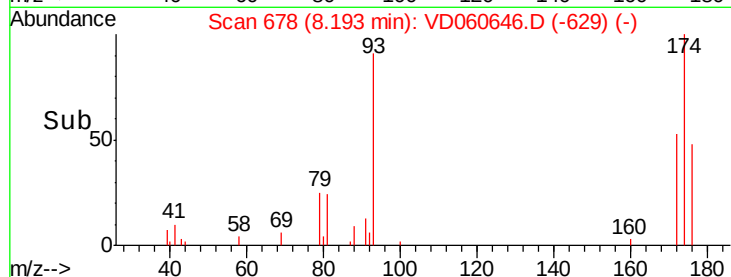
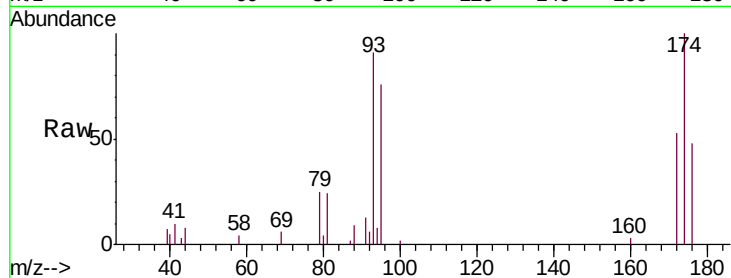




#49
1,4-Dioxane
Concen: 370.289 ug/l
RT: 8.19 min Scan# 678
Delta R.T. -0.02 min
Lab File: VD060646.D
Acq: 19 Dec 2018 19:05

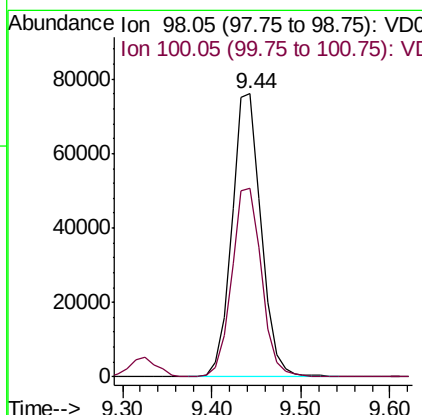
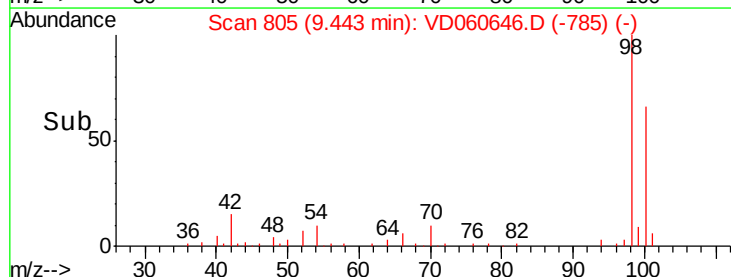
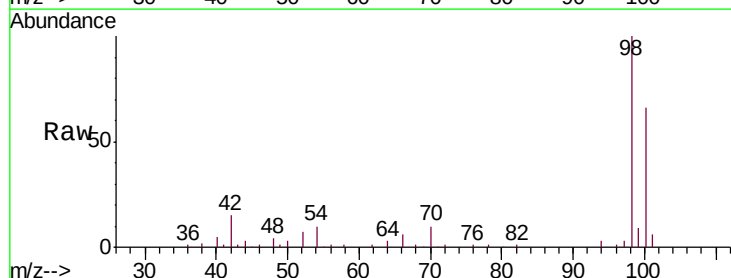
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

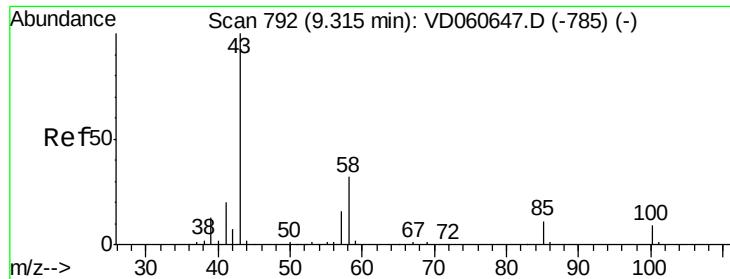
Tgt Ion: 88 Resp: 4978
Ion Ratio Lower Upper
88 100
43 29.8 41.3 61.9#
58 51.4 56.6 84.8#



#50
Toluene-d8
Concen: 370.289 ug/l
RT: 9.44 min Scan# 805
Delta R.T. -0.00 min
Lab File: VD060646.D
Acq: 19 Dec 2018 19:05

Tgt Ion: 98 Resp: 174162
Ion Ratio Lower Upper
98 100
100 66.5 55.1 82.7





#51

4-Methyl-2-Pentanone

Concen: 92.288 ug/l

RT: 9.32 min Scan# 792

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_D

ClientSampleId :

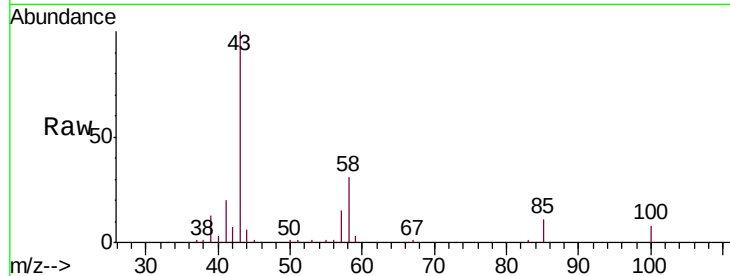
VSTDIC020

Tgt Ion: 43 Resp: 128301

Ion Ratio Lower Upper

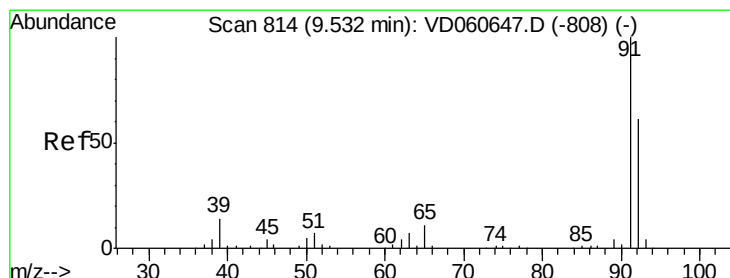
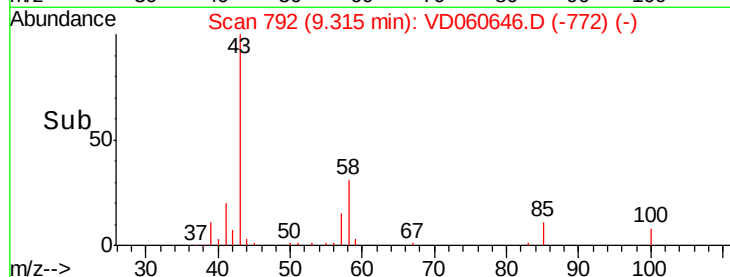
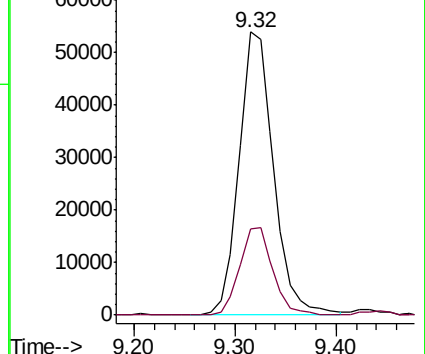
43 100

58 30.6 25.5 38.3



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 19.261 ug/l

RT: 9.53 min Scan# 814

Delta R.T. -0.00 min

Lab File: VD060646.D

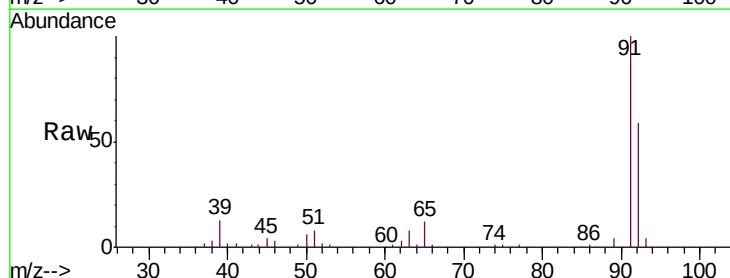
Acq: 19 Dec 2018 19:05

Tgt Ion: 92 Resp: 133707

Ion Ratio Lower Upper

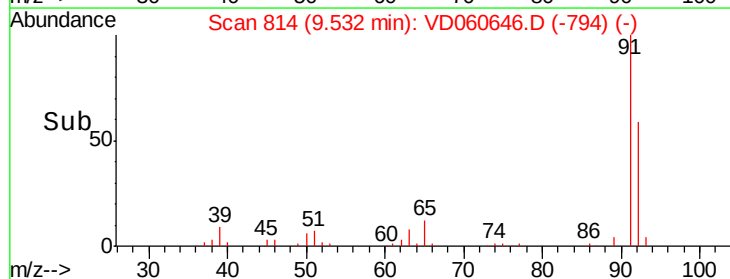
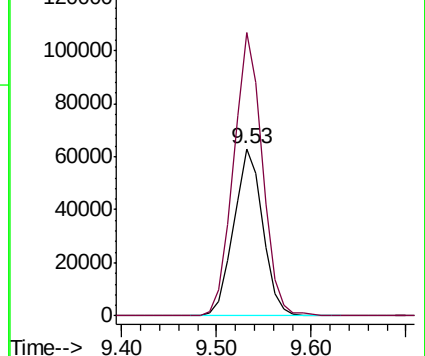
92 100

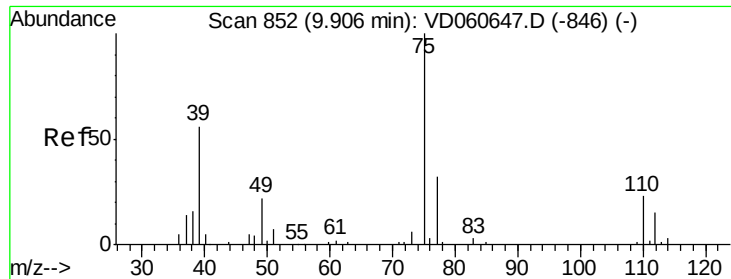
91 169.4 131.9 197.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

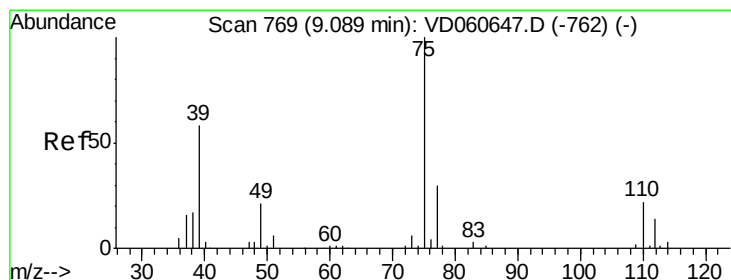
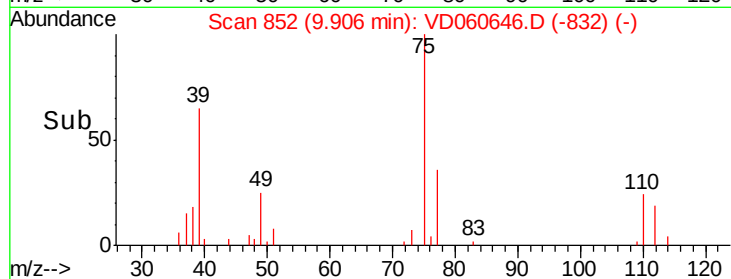
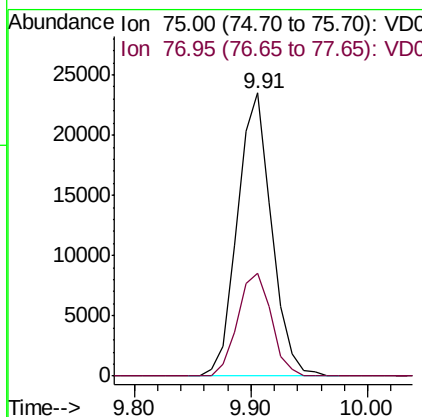
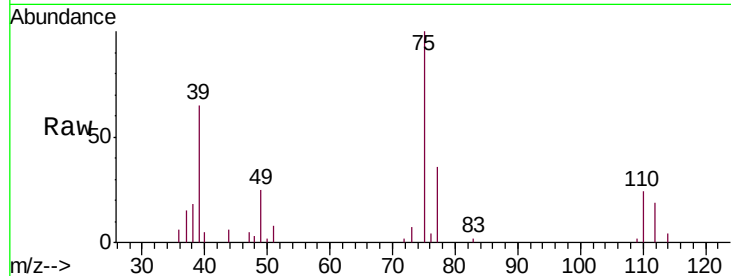




#53
 t-1,3-Dichloropropene
 Concen: 17.062 ug/l
 RT: 9.91 min Scan# 852
 Delta R.T. -0.00 min
 Lab File: VD060646.D
 Acq: 19 Dec 2018 19:05

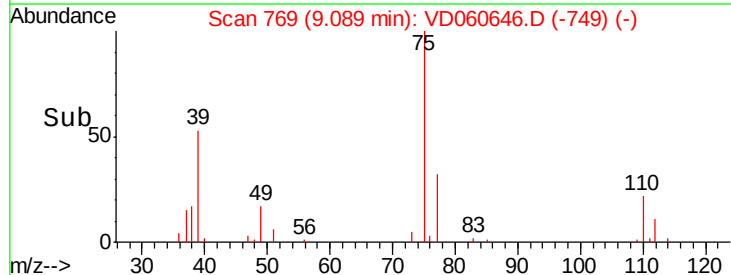
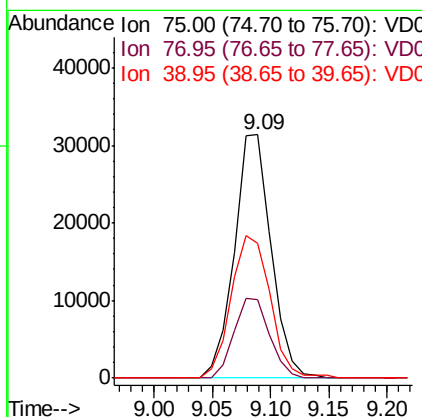
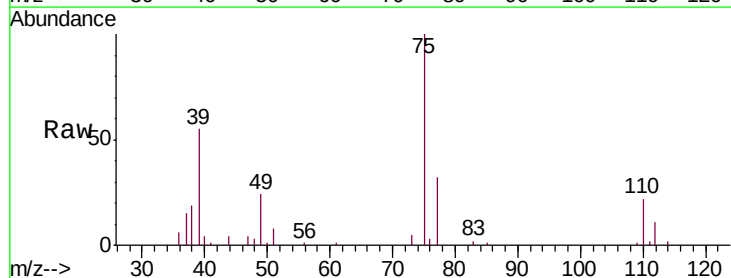
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

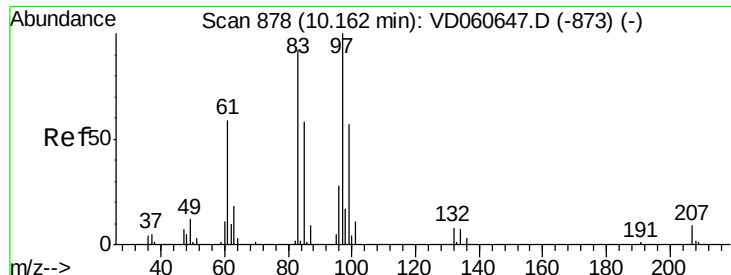
Tgt Ion: 75 Resp: 47597
 Ion Ratio Lower Upper
 75 100
 77 36.4 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 18.324 ug/l
 RT: 9.09 min Scan# 769
 Delta R.T. -0.00 min
 Lab File: VD060646.D
 Acq: 19 Dec 2018 19:05

Tgt Ion: 75 Resp: 68450
 Ion Ratio Lower Upper
 75 100
 77 32.1 24.2 36.4
 39 55.5 46.6 70.0

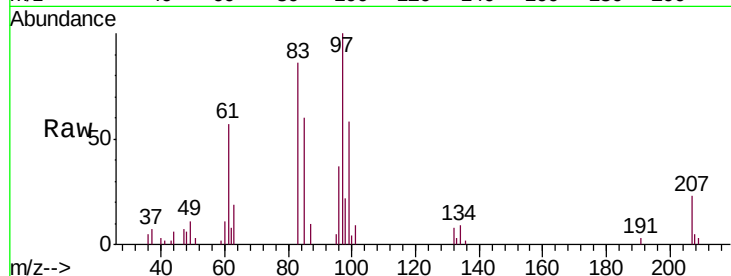




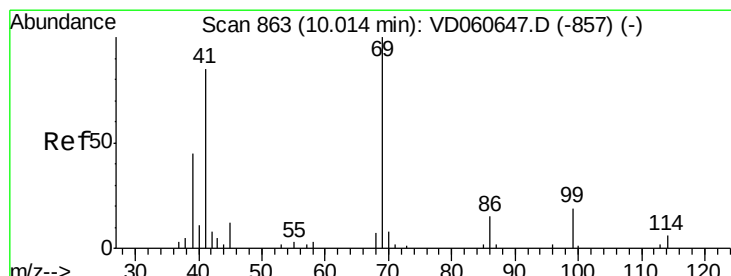
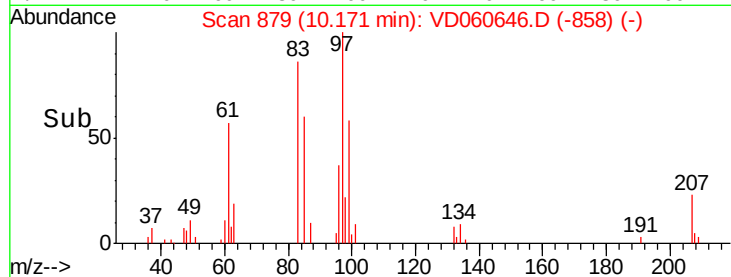
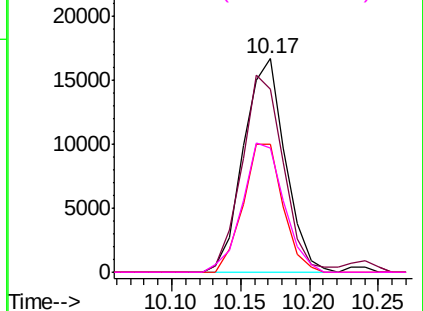
#55
 1,1,2-Trichloroethane
 Concen: 19.000 ug/l
 RT: 10.17 min Scan# 879
 Delta R.T. 0.01 min
 Lab File: VD060646.D
 Acq: 19 Dec 2018 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:	97	Resp:	35194
Ion	Ratio	Lower	Upper
97	100		
83	85.6	74.0	111.0
85	60.1	46.3	69.5
99	58.3	45.4	68.0

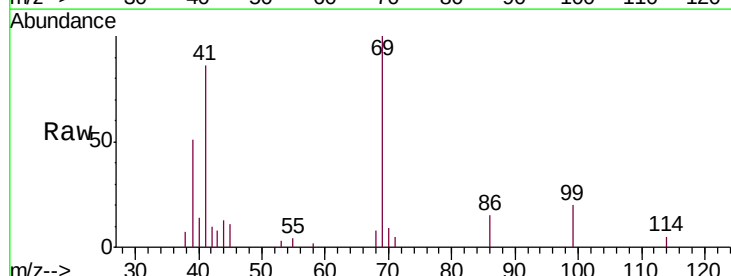


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

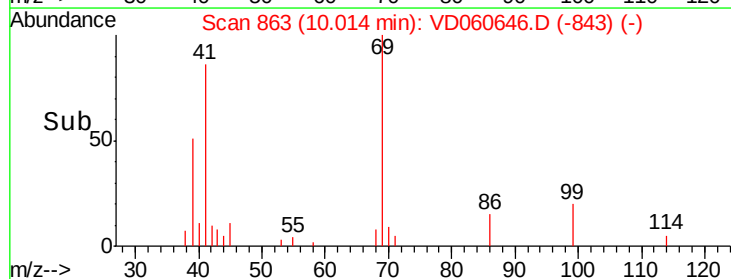
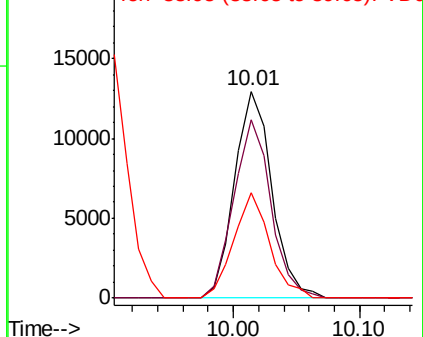


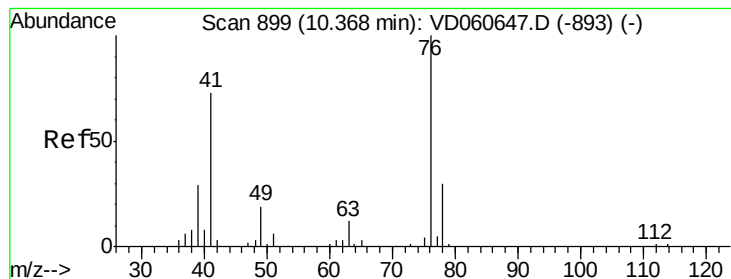
#56
 Ethyl methacrylate
 Concen: 16.074 ug/l
 RT: 10.01 min Scan# 863
 Delta R.T. -0.00 min
 Lab File: VD060646.D
 Acq: 19 Dec 2018 19:05

Tgt Ion:	69	Resp:	26490
Ion	Ratio	Lower	Upper
69	100		
41	86.0	68.3	102.5
39	50.6	36.6	54.8



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: 18.108 ug/l

RT: 10.37 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_D

ClientSampleId :

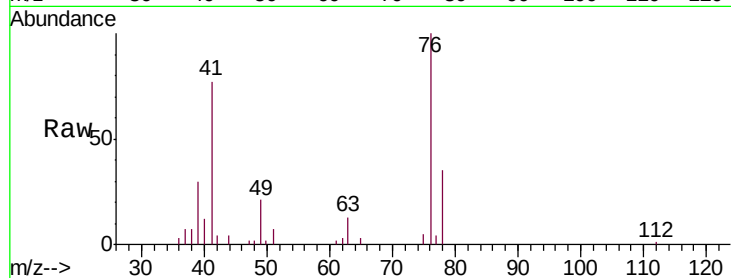
VSTDIC020

Tgt Ion: 76 Resp: 56565

Ion Ratio Lower Upper

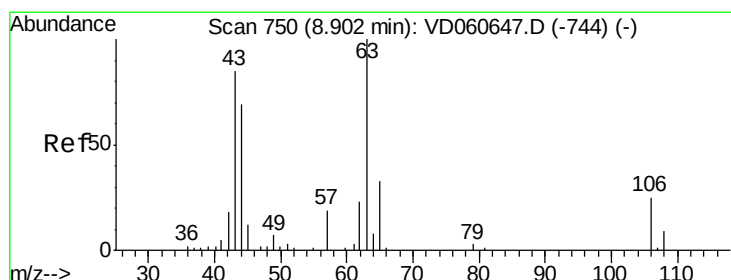
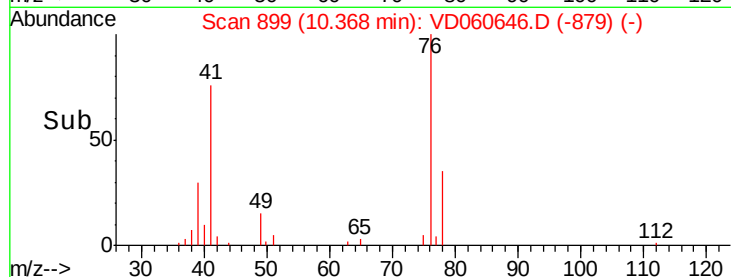
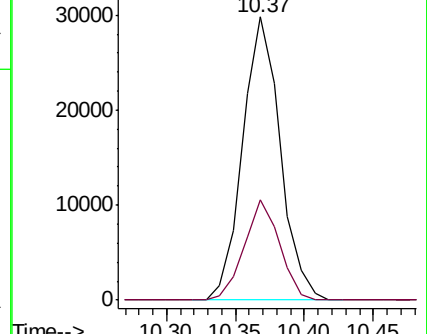
76 100

78 35.5 24.0 36.0



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: 124.028 ug/l

RT: 8.90 min Scan# 750

Delta R.T. -0.00 min

Lab File: VD060646.D

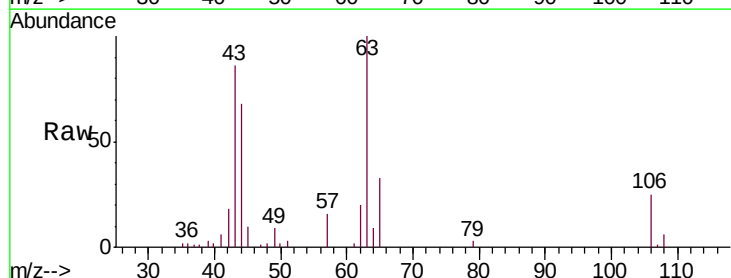
Acq: 19 Dec 2018 19:05

Tgt Ion: 63 Resp: 60173

Ion Ratio Lower Upper

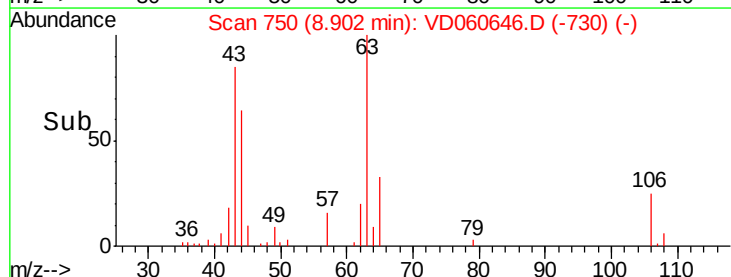
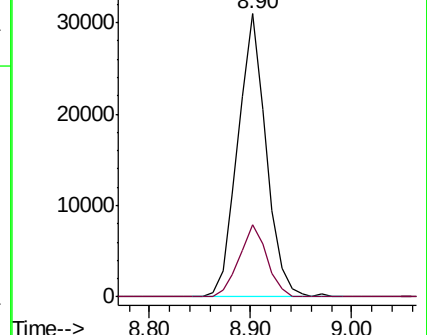
63 100

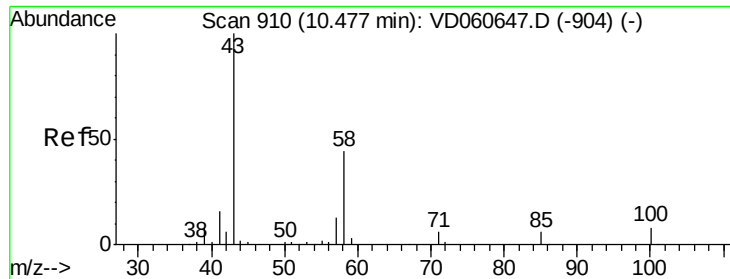
106 25.3 20.2 30.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

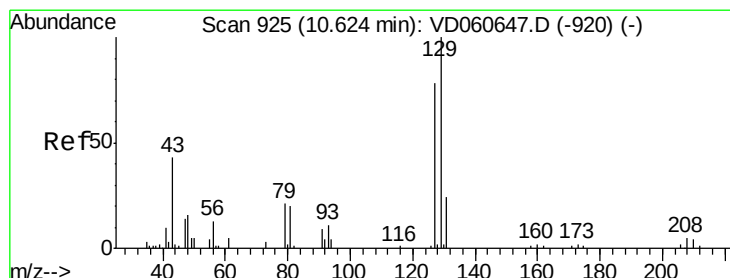
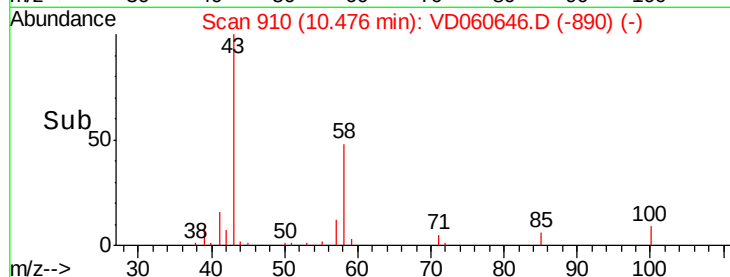
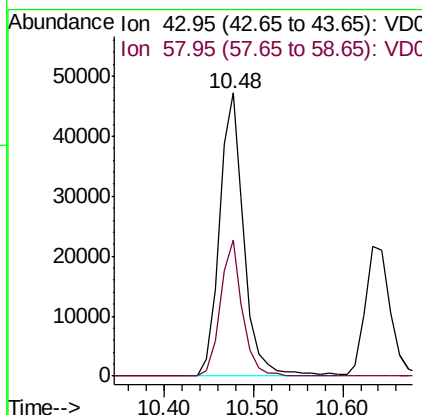
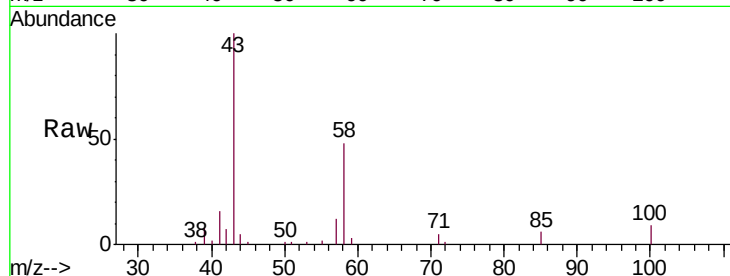




#59
2-Hexanone
Concen: 90.548 ug/l
RT: 10.48 min Scan# 910
Delta R.T. -0.00 min
Lab File: VD060646.D
Acq: 19 Dec 2018 19:05

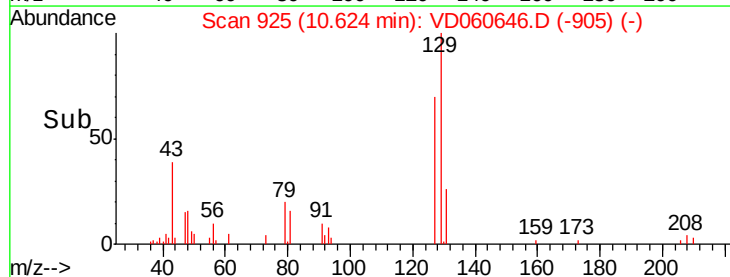
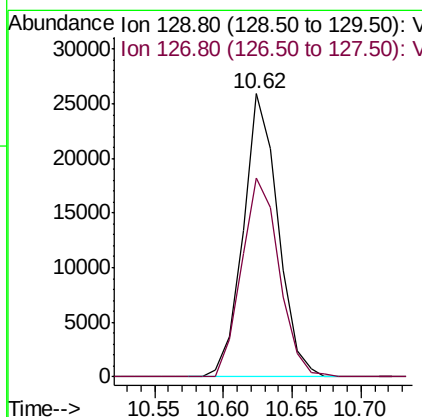
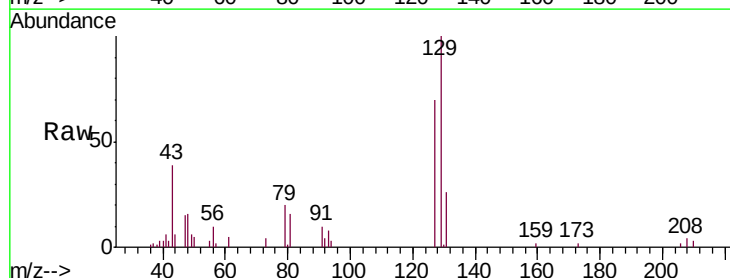
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

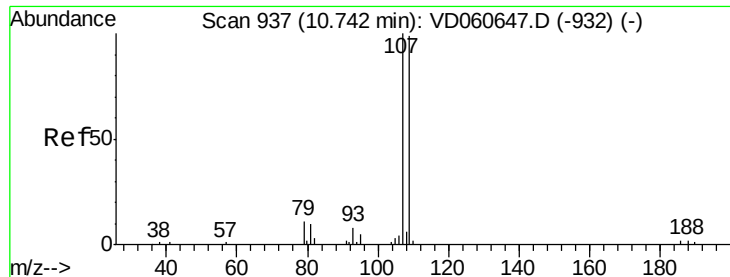
Tgt Ion: 43 Resp: 90276
Ion Ratio Lower Upper
43 100
58 48.2 22.3 66.8



#60
Dibromochloromethane
Concen: 18.844 ug/l
RT: 10.62 min Scan# 925
Delta R.T. -0.00 min
Lab File: VD060646.D
Acq: 19 Dec 2018 19:05

Tgt Ion: 129 Resp: 45659
Ion Ratio Lower Upper
129 100
127 70.2 39.0 117.0





#61

1,2-Dibromoethane

Concen: 19.278 ug/l

RT: 10.74 min Scan# 937

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_D

ClientSampleId :

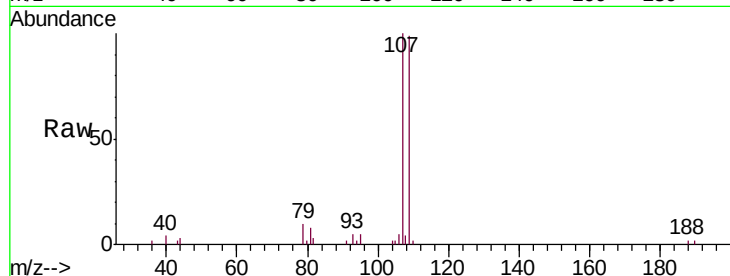
VSTDIC020

Tgt Ion: 107 Resp: 35612

Ion Ratio Lower Upper

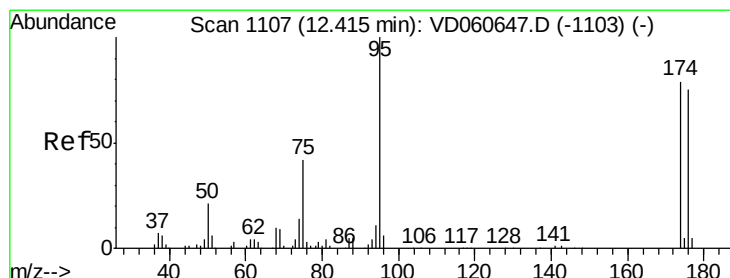
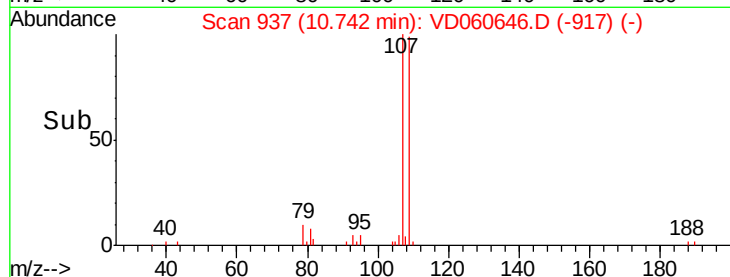
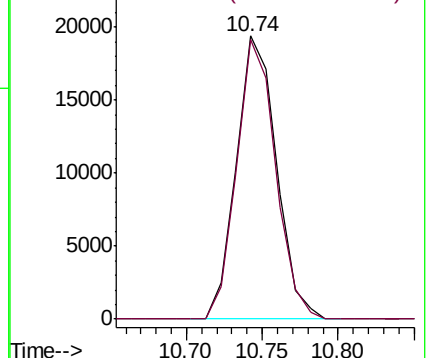
107 100

109 98.8 79.4 119.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 19.278 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

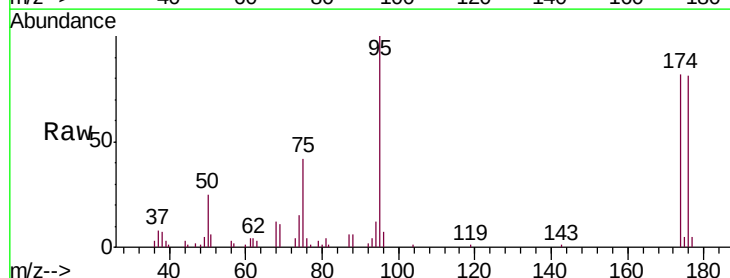
Tgt Ion: 95 Resp: 72324

Ion Ratio Lower Upper

95 100

174 82.1 0.0 158.2

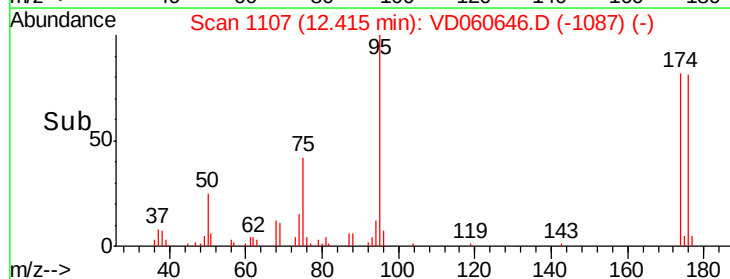
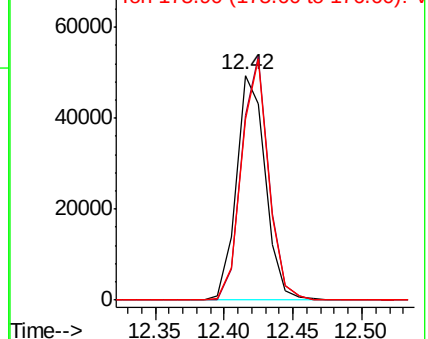
176 80.6 0.0 150.2

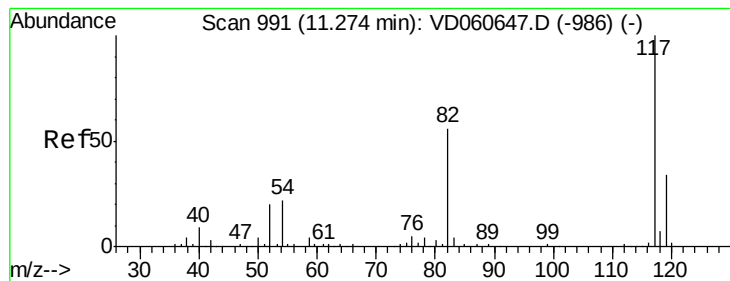


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.27 min Scan# 991

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

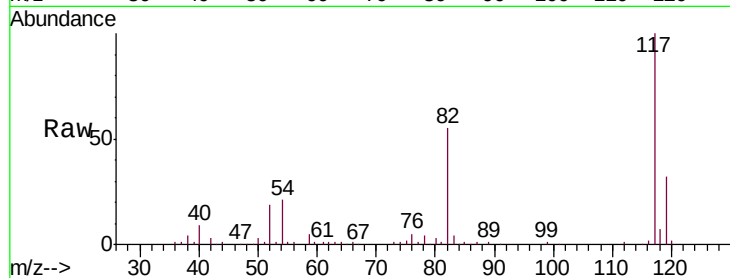
Tgt Ion:117 Resp: 360660

Ion Ratio Lower Upper

117 100

82 54.7 44.6 67.0

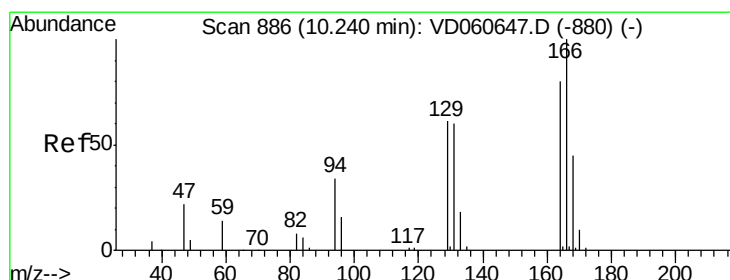
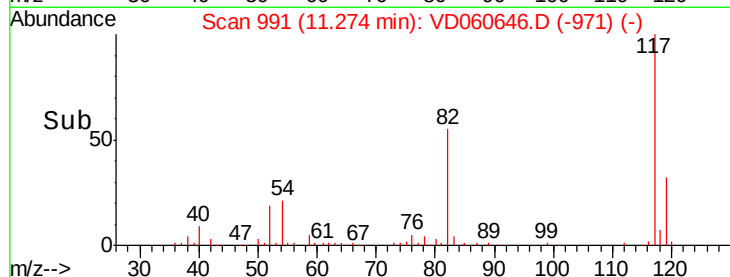
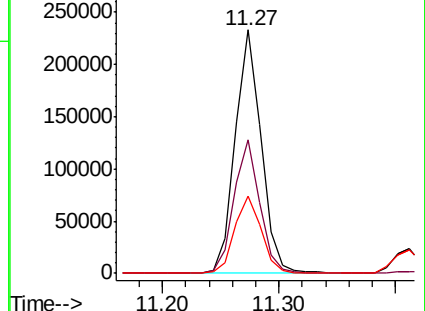
119 31.6 27.0 40.4



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: 19.004 ug/l

RT: 10.24 min Scan# 886

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Tgt Ion:164 Resp: 61253

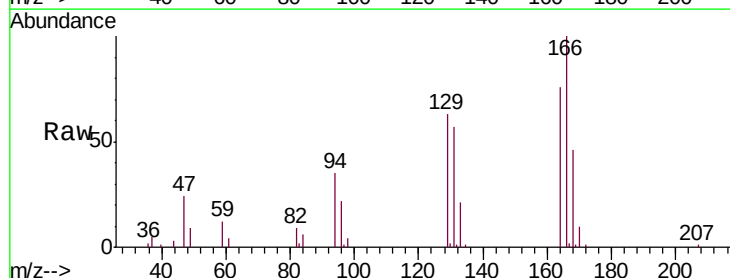
Ion Ratio Lower Upper

164 100

166 130.8 100.0 150.0

129 81.7 60.6 90.8

131 74.9 59.5 89.3

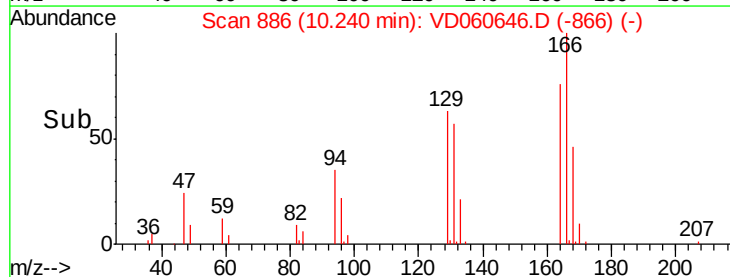
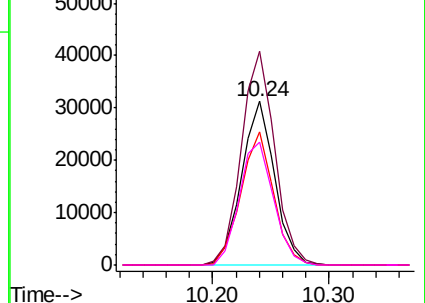


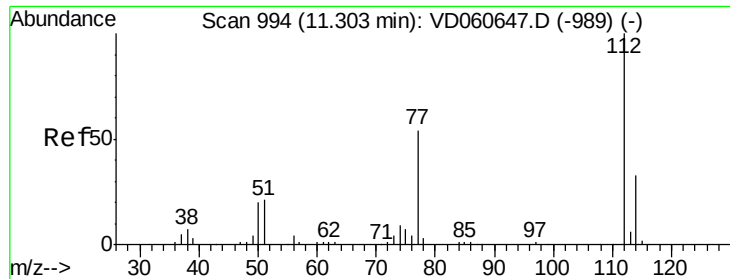
Abundance Ion 163.85 (163.55 to 164.55): V

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

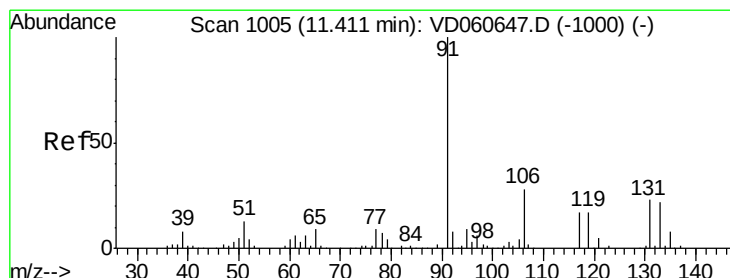
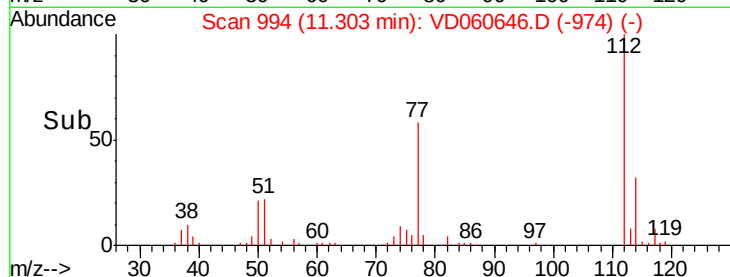
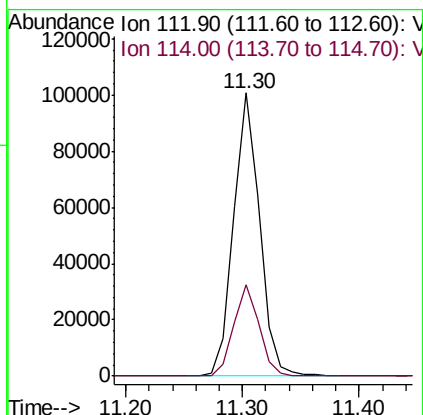
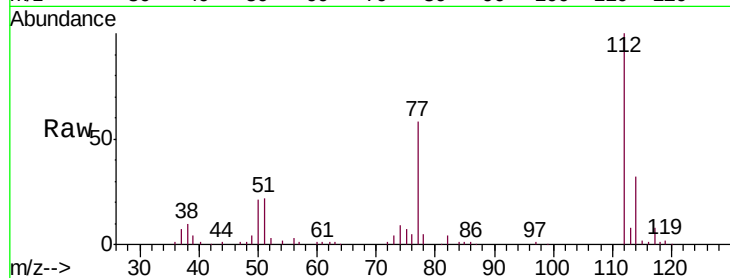




#65
Chlorobenzene
Concen: 19.654 ug/l
RT: 11.30 min Scan# 994
Delta R.T. -0.00 min
Lab File: VD060646.D
Acq: 19 Dec 2018 19:05

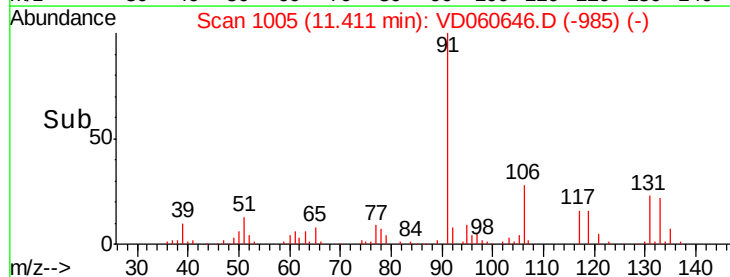
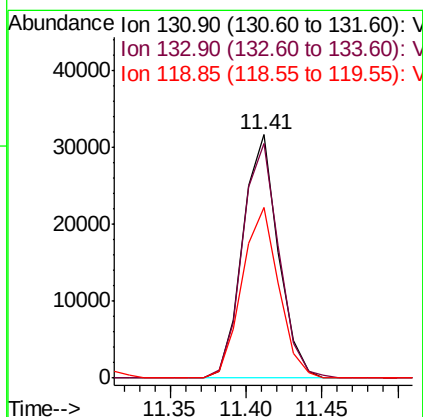
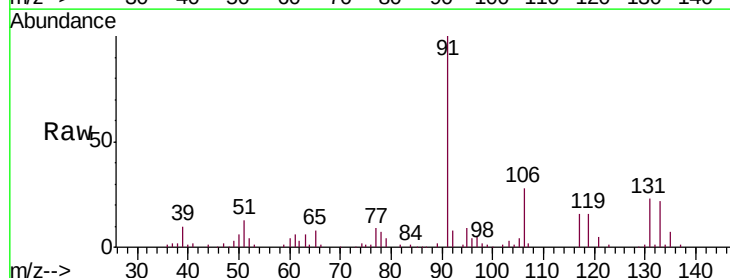
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

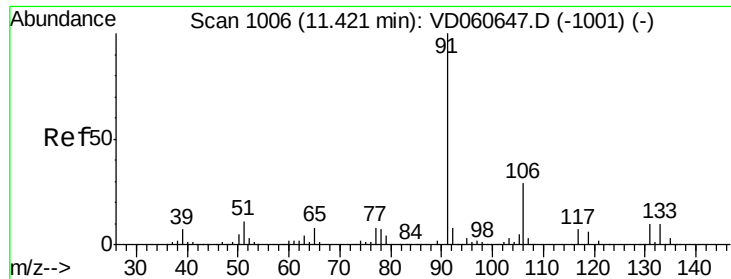
Tgt Ion:112 Resp: 155876
Ion Ratio Lower Upper
112 100
114 32.1 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 19.510 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.00 min
Lab File: VD060646.D
Acq: 19 Dec 2018 19:05

Tgt Ion:131 Resp: 51550
Ion Ratio Lower Upper
131 100
133 96.6 49.4 148.2
119 70.0 36.9 110.6

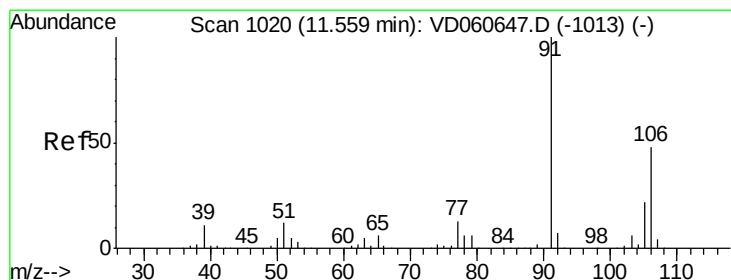
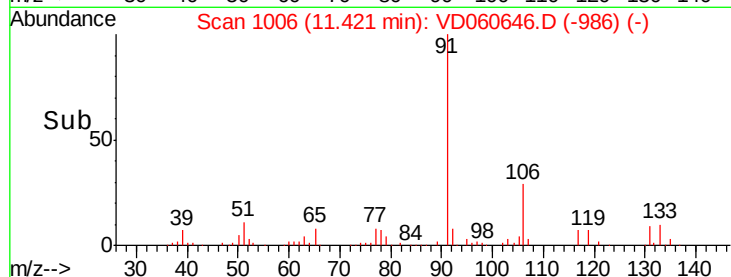
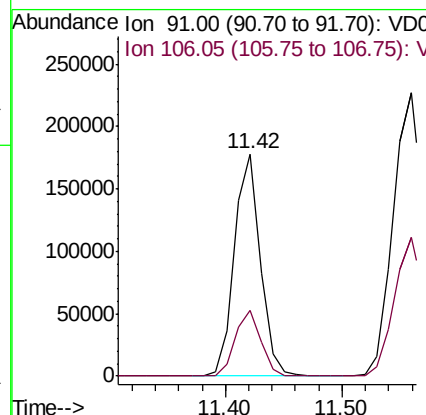
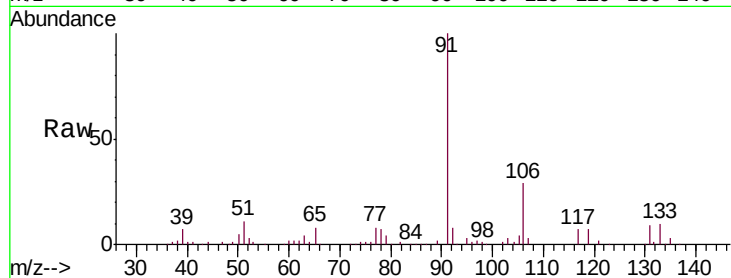




#67
Ethyl Benzene
Concen: 19.134 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VD060646.D
Acq: 19 Dec 2018 19:05

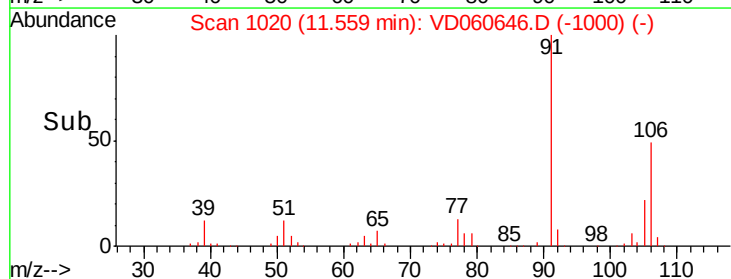
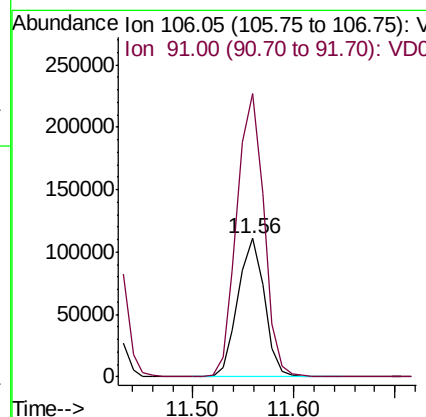
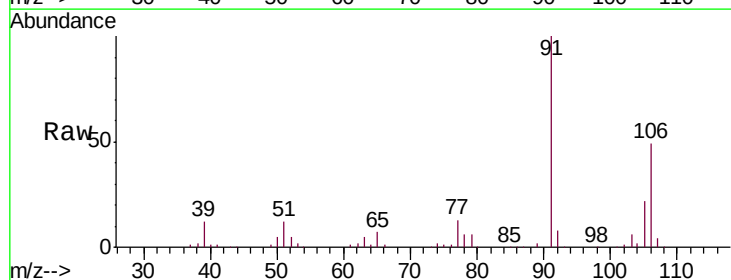
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

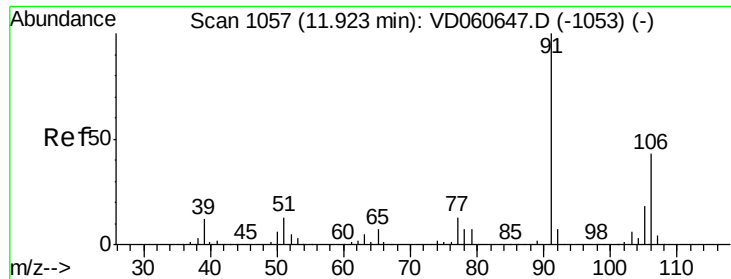
Tgt Ion: 91 Resp: 274383
Ion Ratio Lower Upper
91 100
106 29.5 23.5 35.3



#68
m/p-Xylenes
Concen: 38.254 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD060646.D
Acq: 19 Dec 2018 19:05

Tgt Ion: 106 Resp: 203362
Ion Ratio Lower Upper
106 100
91 204.5 167.6 251.4

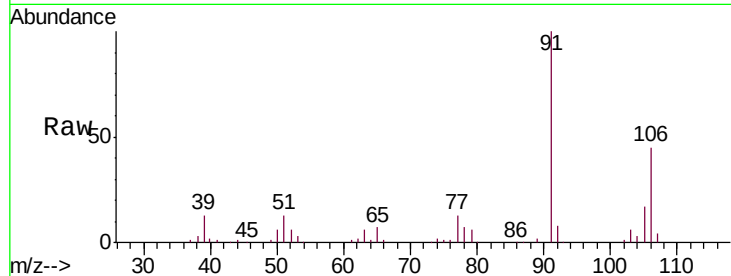




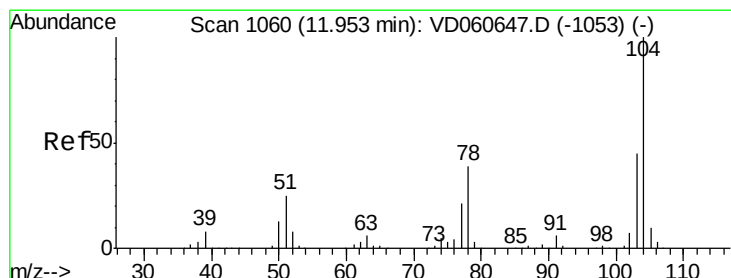
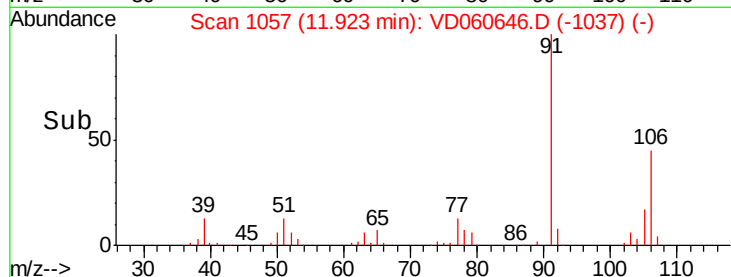
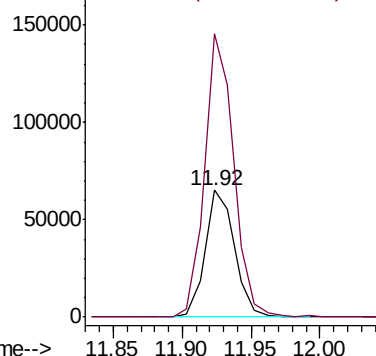
#69
o-Xylene
Concen: 18.480 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. -0.00 min
Lab File: VD060646.D
Acq: 19 Dec 2018 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:106 Resp: 96992
Ion Ratio Lower Upper
106 100
91 222.9 115.4 346.2

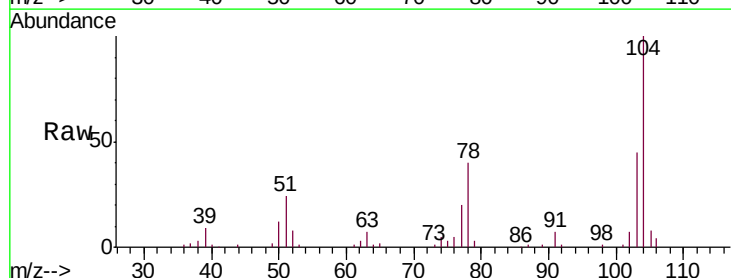


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

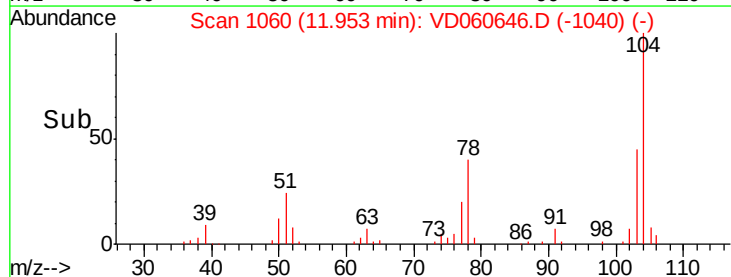
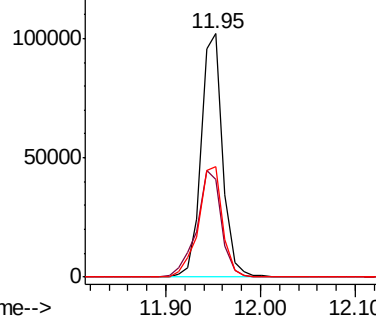


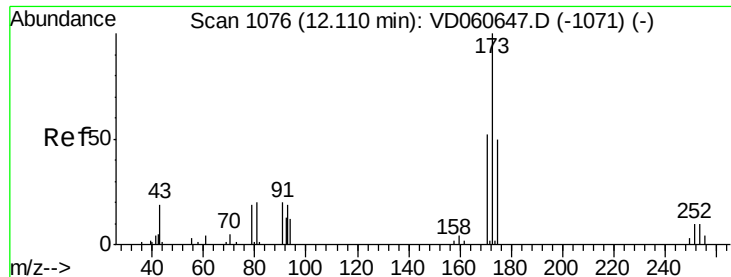
#70
Styrene
Concen: 18.763 ug/l
RT: 11.95 min Scan# 1060
Delta R.T. -0.00 min
Lab File: VD060646.D
Acq: 19 Dec 2018 19:05

Tgt Ion:104 Resp: 160683
Ion Ratio Lower Upper
104 100
78 40.1 31.0 46.4
103 45.2 36.3 54.5



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: 17.641 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

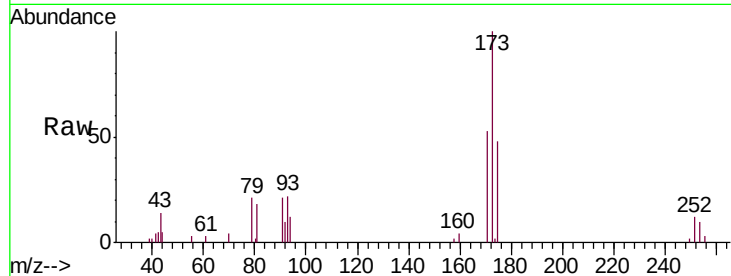
Tgt Ion:173 Resp: 30518

Ion Ratio Lower Upper

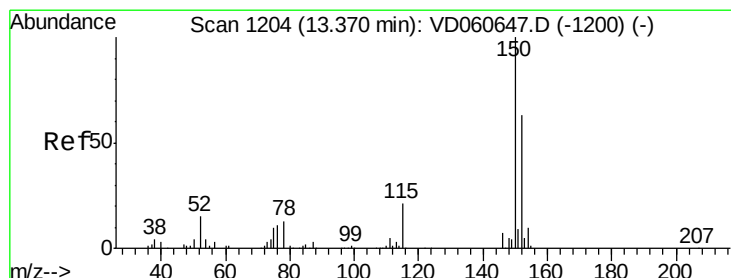
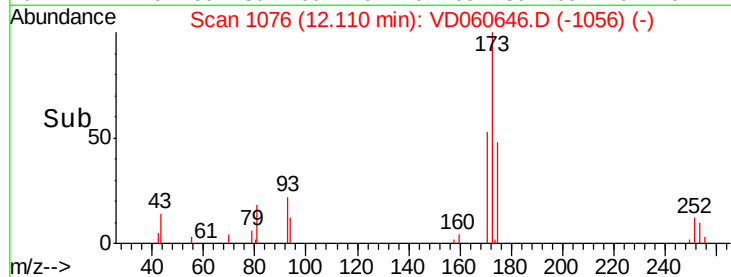
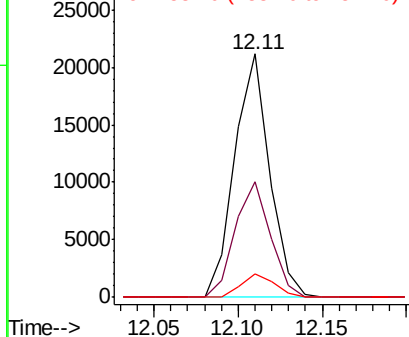
173 100

175 47.7 24.9 74.6

254 9.6 8.0 12.0



Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.37 min Scan# 1204

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

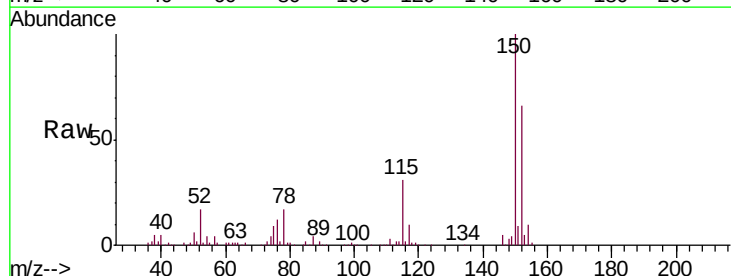
Tgt Ion:152 Resp: 290759

Ion Ratio Lower Upper

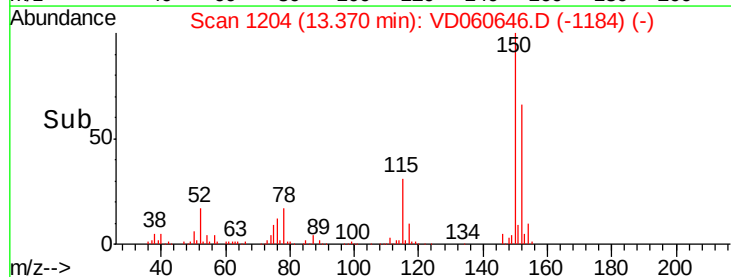
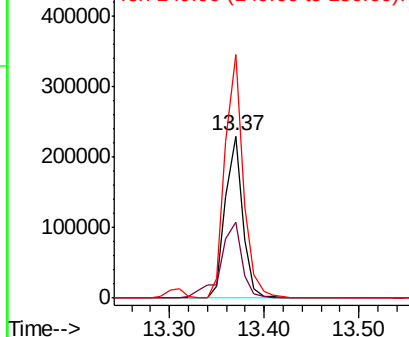
152 100

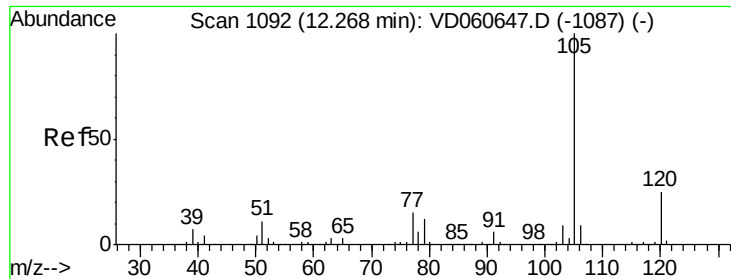
115 47.2 24.3 72.9

150 150.6 0.0 320.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 18.575 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_D

ClientSampleId :

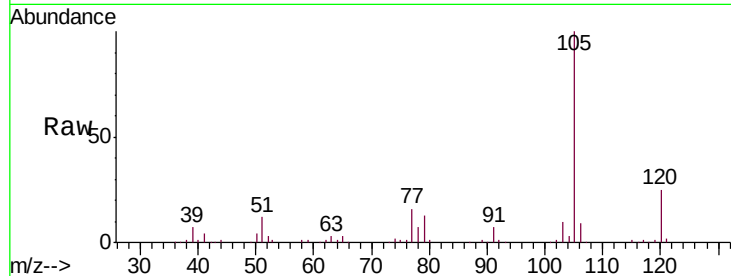
VSTDIC020

Tgt Ion:105 Resp: 289359

Ion Ratio Lower Upper

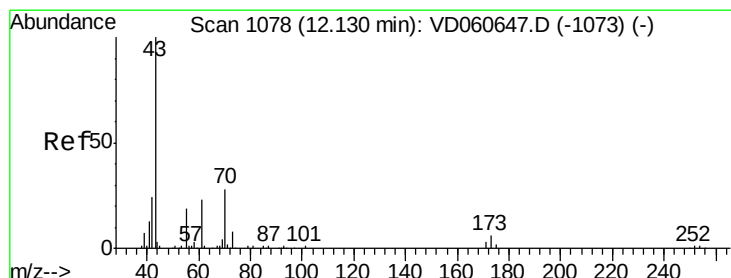
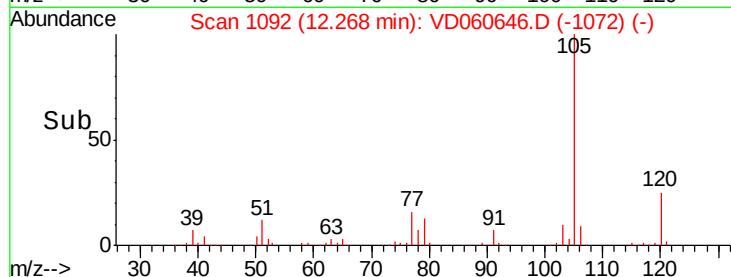
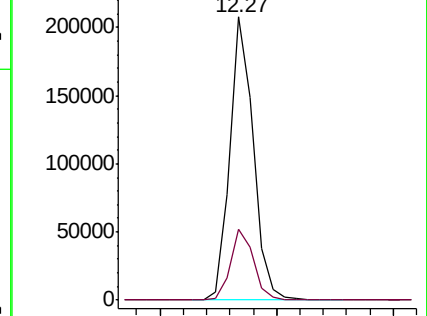
105 100

120 24.9 12.4 37.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 15.377 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Tgt Ion: 43 Resp: 51752

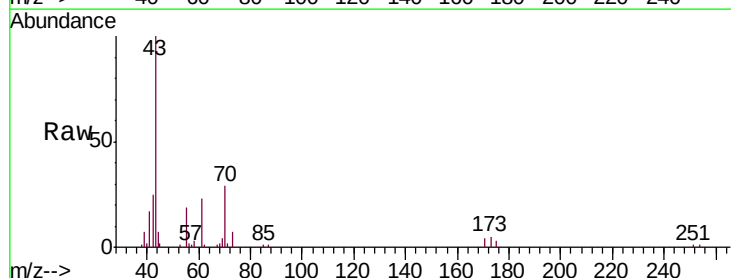
Ion Ratio Lower Upper

43 100

70 28.6 22.8 34.2

55 19.1 14.8 22.2

61 23.3 18.3 27.5

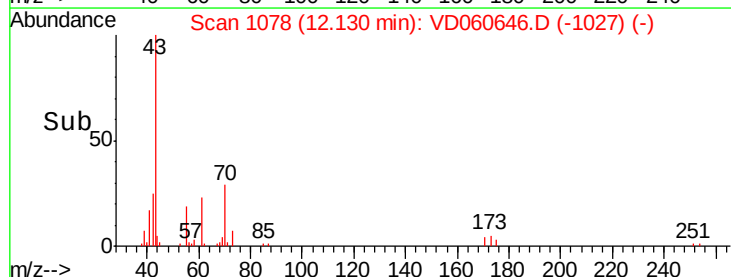
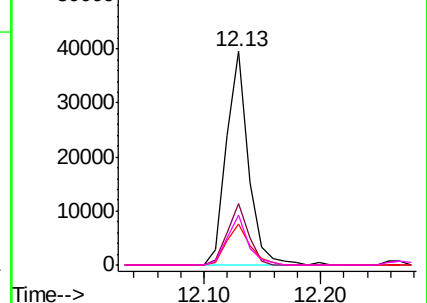


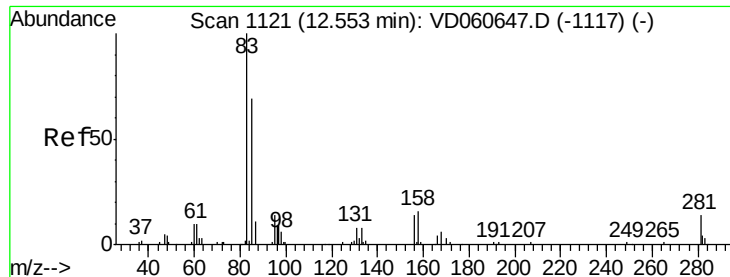
Abundance Ion 42.95 (42.65 to 43.65): V

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

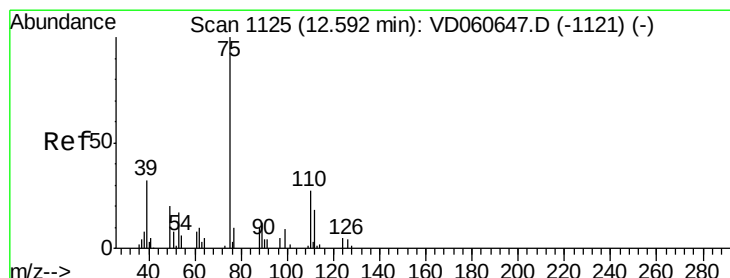
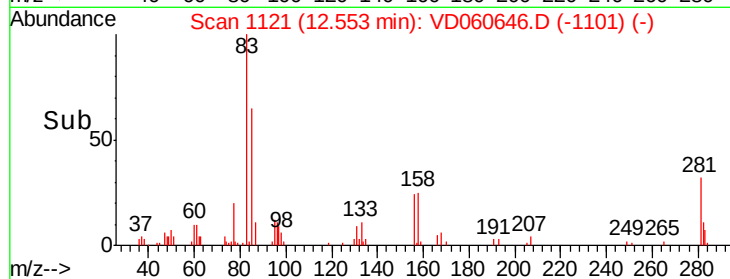
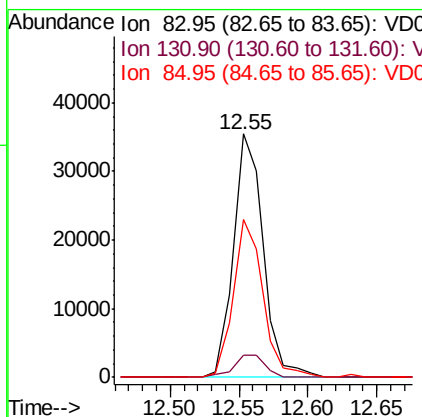
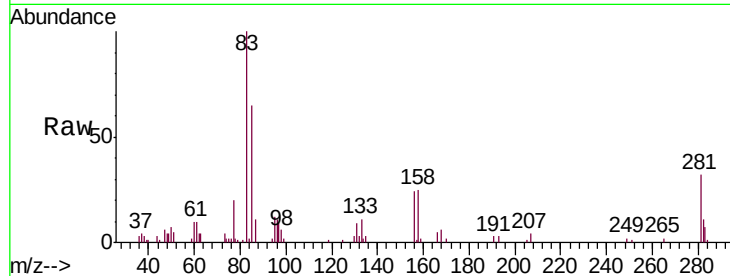




#75
 1,1,2,2-Tetrachloroethane
 Concen: 19.532 ug/l
 RT: 12.55 min Scan# 1121
 Delta R.T. -0.00 min
 Lab File: VD060646.D
 Acq: 19 Dec 2018 19:05

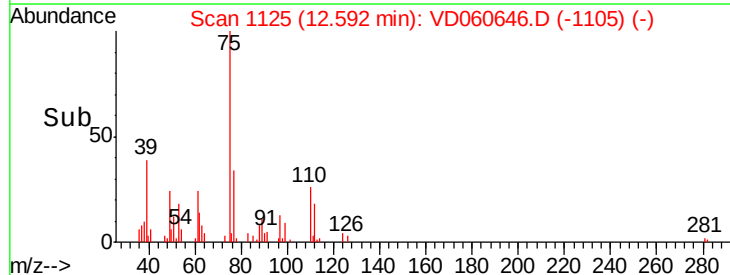
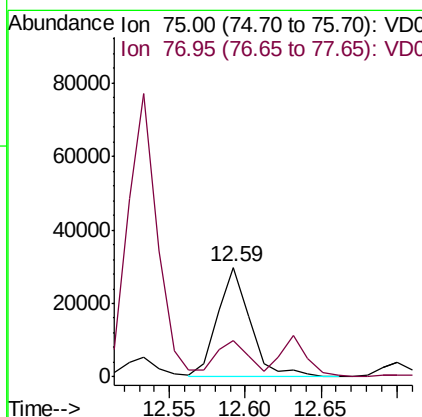
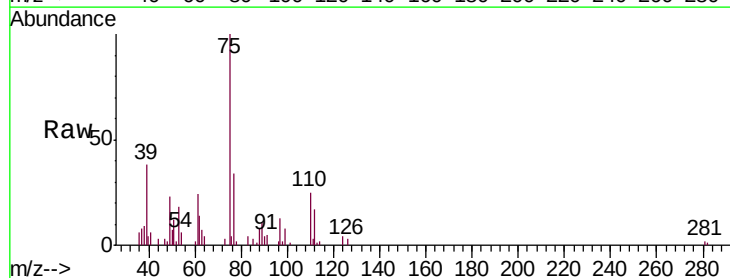
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

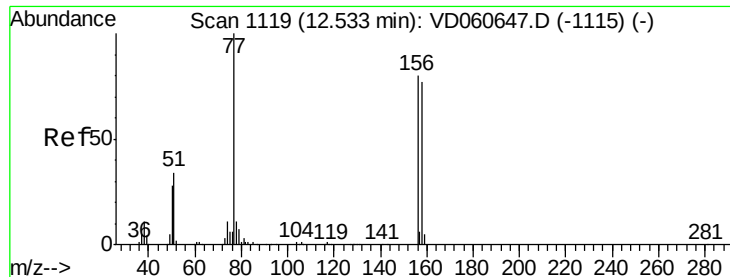
Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.0	4.0	12.0
85	65.1	34.5	103.5



#76
 1,2,3-Trichloropropane
 Concen: 18.200 ug/l
 RT: 12.59 min Scan# 1125
 Delta R.T. -0.00 min
 Lab File: VD060646.D
 Acq: 19 Dec 2018 19:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.6	15.9	47.7

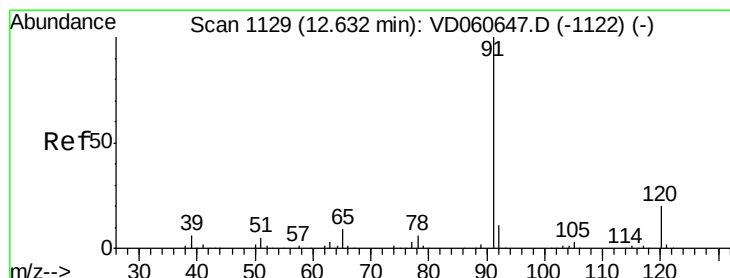
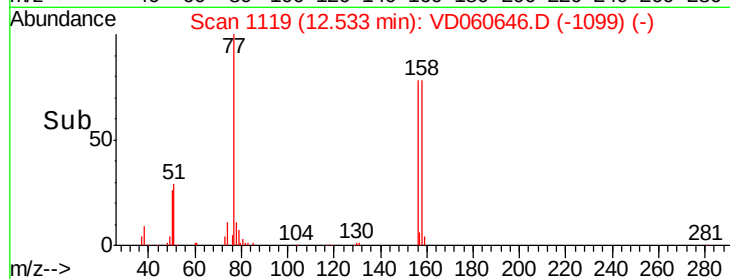
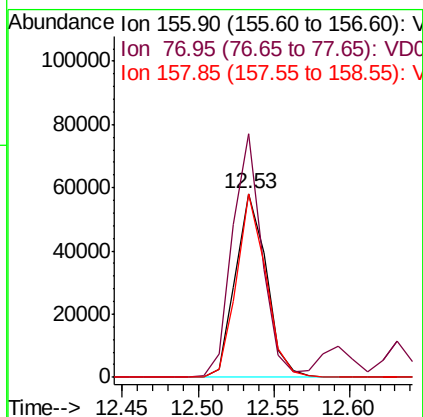
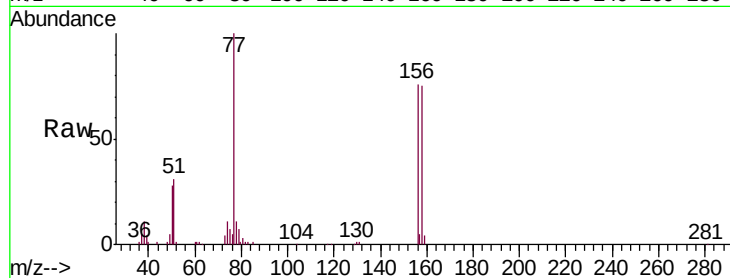




#77
Bromobenzene
Concen: 19.012 ug/l
RT: 12.53 min Scan# 1119
Delta R.T. -0.00 min
Lab File: VD060646.D
Acq: 19 Dec 2018 19:05

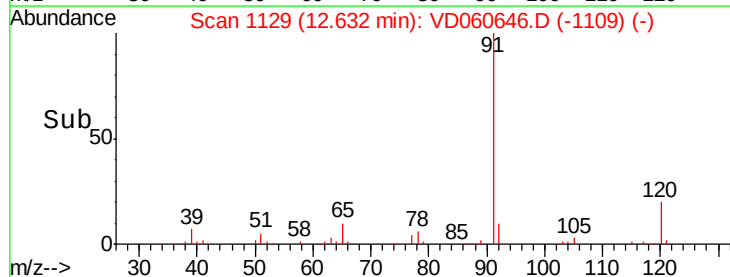
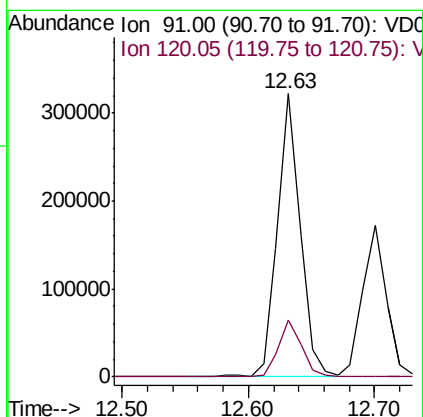
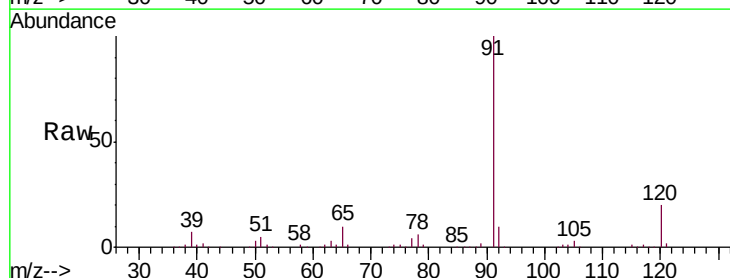
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

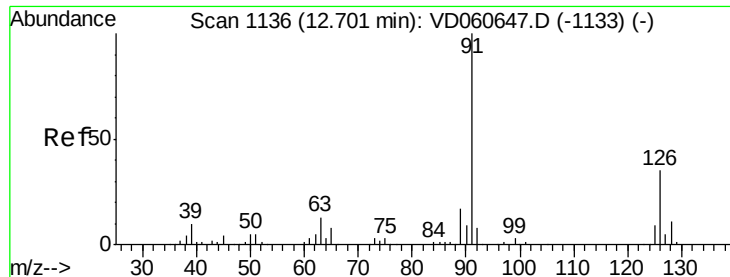
Tgt Ion: 156 Resp: 82742
Ion Ratio Lower Upper
156 100
77 132.3 62.8 188.5
158 99.7 48.6 145.9



#78
n-propylbenzene
Concen: 18.798 ug/l
RT: 12.63 min Scan# 1129
Delta R.T. -0.00 min
Lab File: VD060646.D
Acq: 19 Dec 2018 19:05

Tgt Ion: 91 Resp: 405800
Ion Ratio Lower Upper
91 100
120 19.9 10.0 29.8

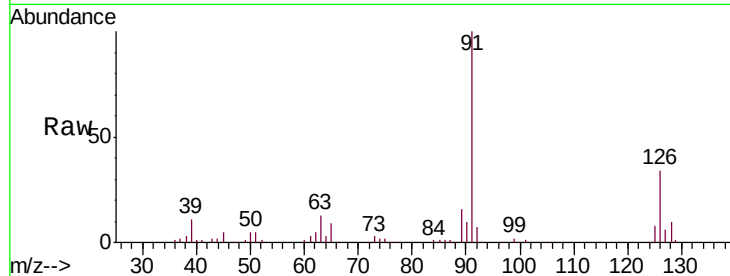




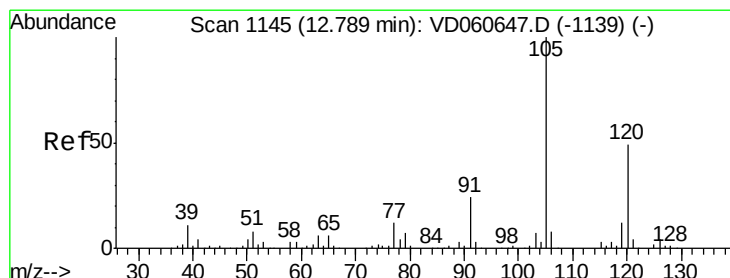
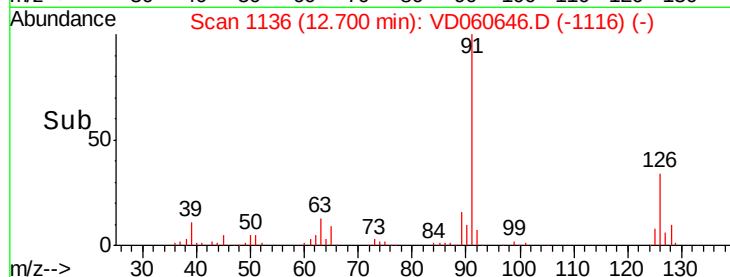
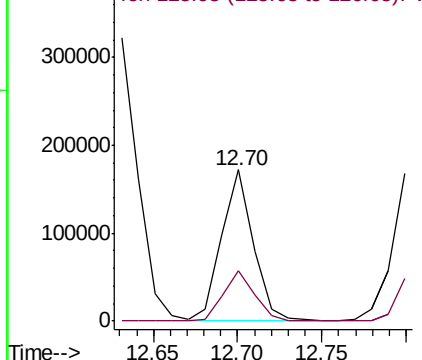
#79
 2-Chlorotoluene
 Concen: 19.061 ug/l
 RT: 12.70 min Scan# 1136
 Delta R.T. -0.00 min
 Lab File: VD060646.D
 Acq: 19 Dec 2018 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 91 Resp: 224245
 Ion Ratio Lower Upper
 91 100
 126 33.7 17.3 52.0

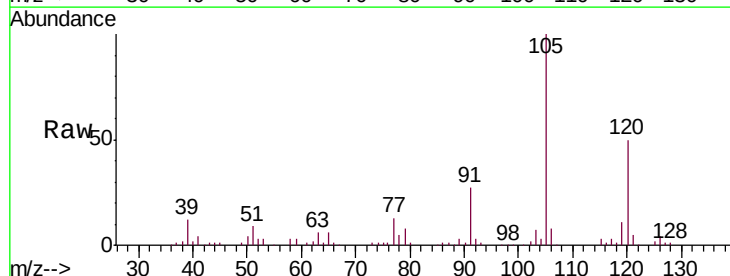


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

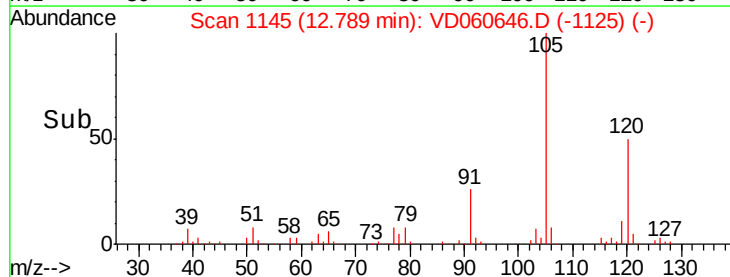
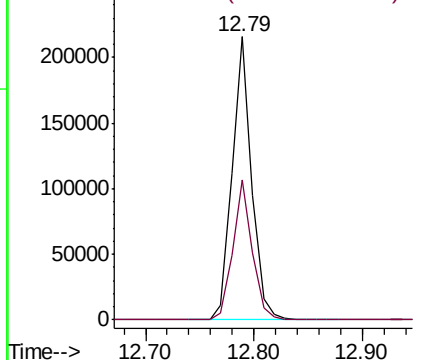


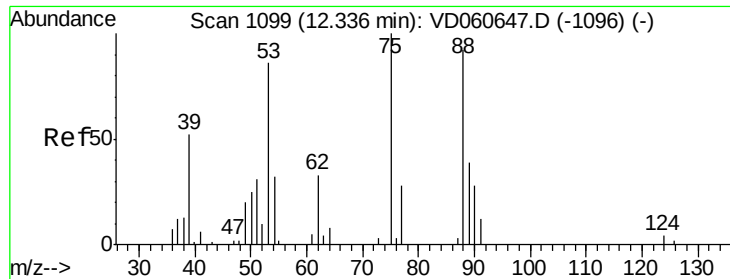
#80
 1,3,5-Trimethylbenzene
 Concen: 19.365 ug/l
 RT: 12.79 min Scan# 1145
 Delta R.T. -0.00 min
 Lab File: VD060646.D
 Acq: 19 Dec 2018 19:05

Tgt Ion: 105 Resp: 269492
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.6 74.0



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: 16.456 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VD060646.D

Acq: 19 Dec 2018 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC020

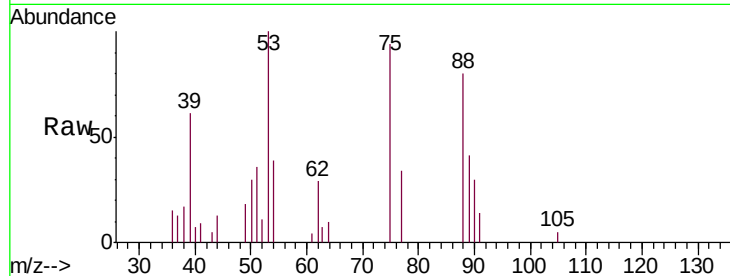
Tgt Ion: 75 Resp: 9392

Ion Ratio Lower Upper

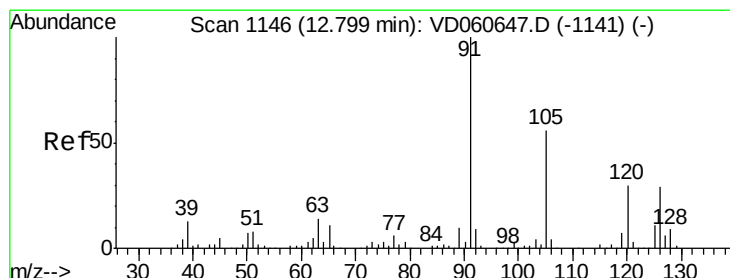
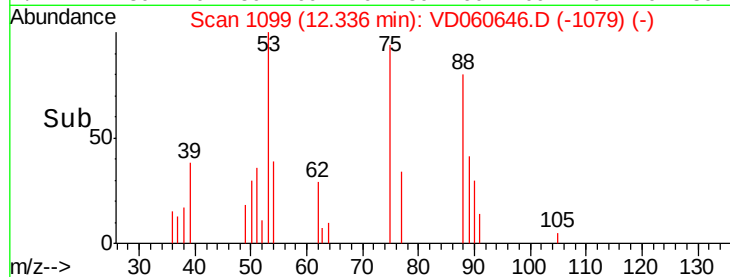
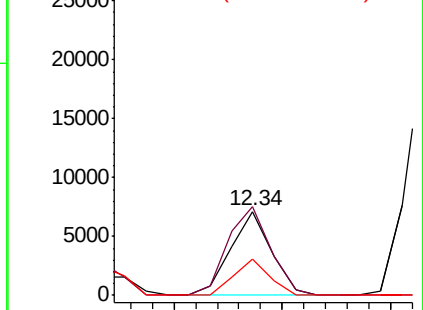
75 100

53 106.6 68.4 102.6#

89 43.8 31.6 47.4



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 19.841 ug/l

RT: 12.81 min Scan# 1147

Delta R.T. 0.01 min

Lab File: VD060646.D

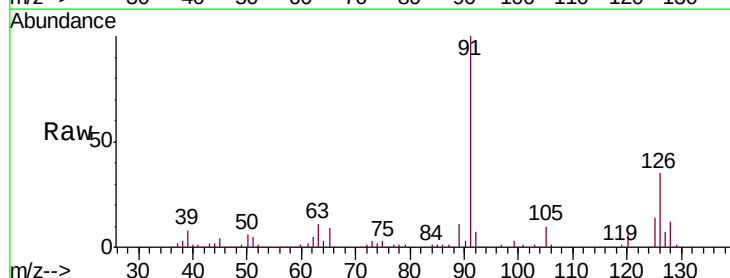
Acq: 19 Dec 2018 19:05

Tgt Ion: 91 Resp: 274654

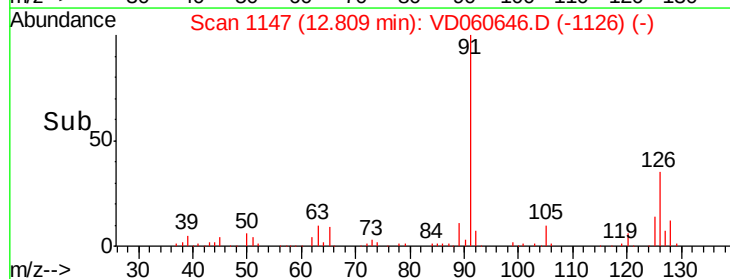
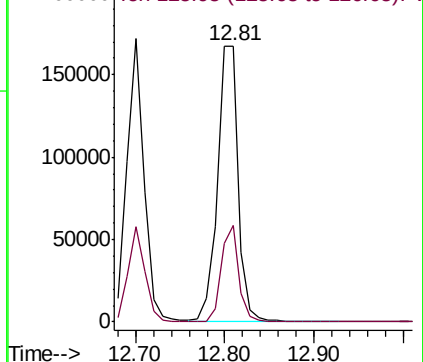
Ion Ratio Lower Upper

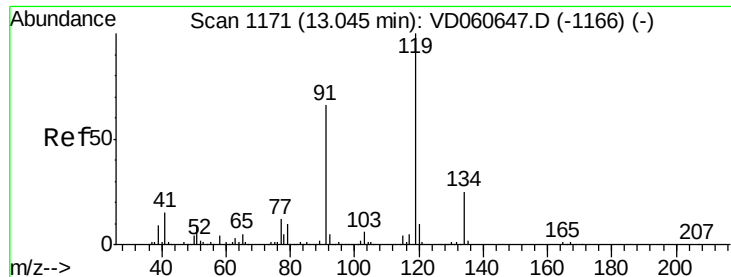
91 100

126 35.1 14.5 43.6



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.95 (125.65 to 126.65): V

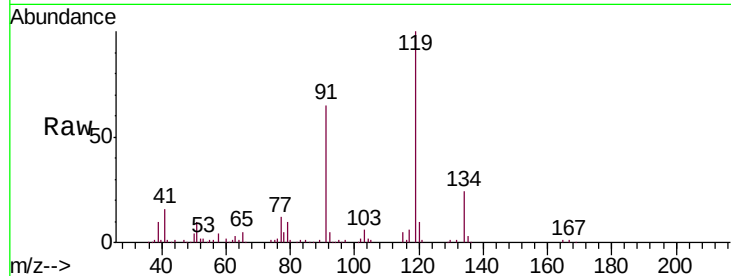




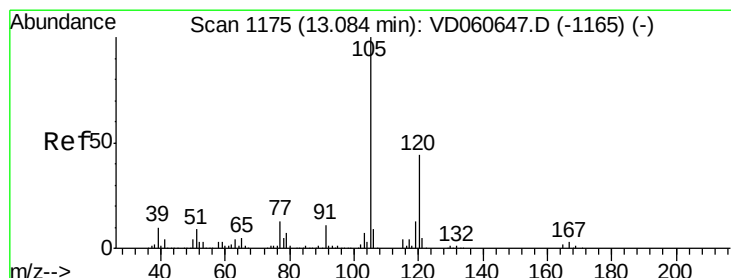
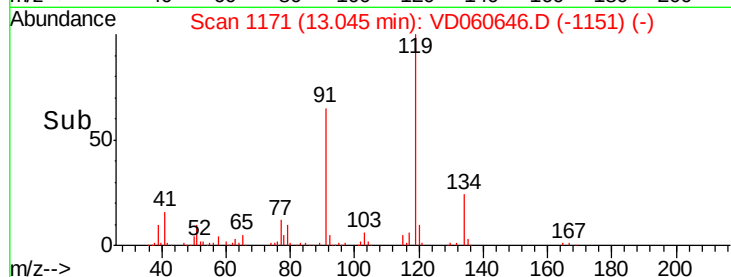
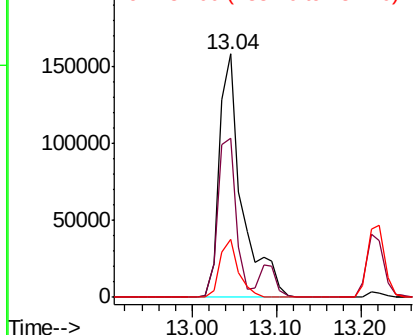
#83
 tert-Butylbenzene
 Concen: 18.560 ug/l
 RT: 13.04 min Scan# 1171
 Delta R.T. -0.00 min
 Lab File: VD060646.D
 Acq: 19 Dec 2018 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:119 Resp: 297812
 Ion Ratio Lower Upper
 119 100
 91 65.4 33.3 99.8
 134 23.9 12.5 37.5

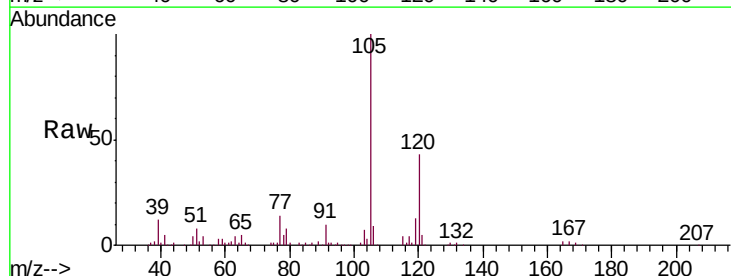


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

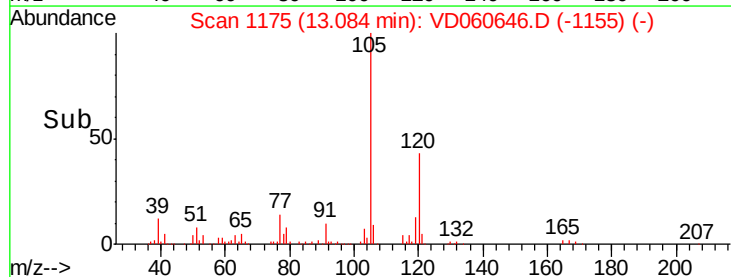
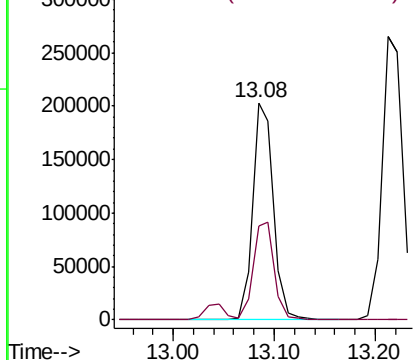


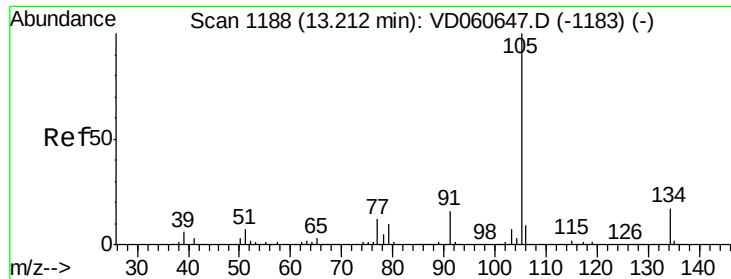
#84
 1,2,4-Trimethylbenzene
 Concen: 19.063 ug/l
 RT: 13.08 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VD060646.D
 Acq: 19 Dec 2018 19:05

Tgt Ion:105 Resp: 291805
 Ion Ratio Lower Upper
 105 100
 120 43.2 22.3 66.8



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

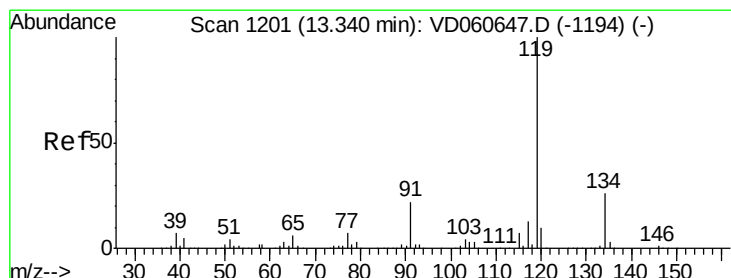
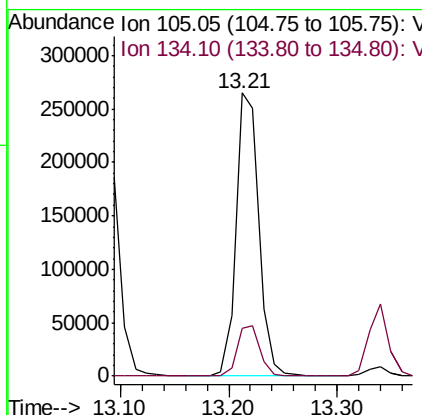
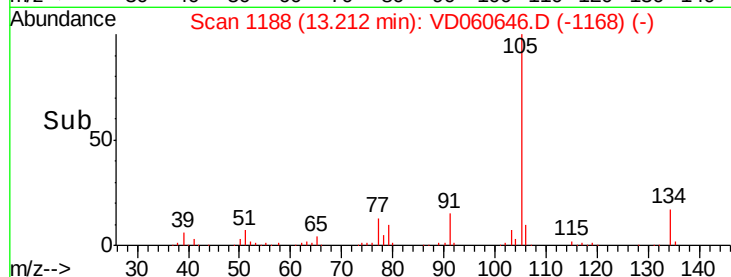
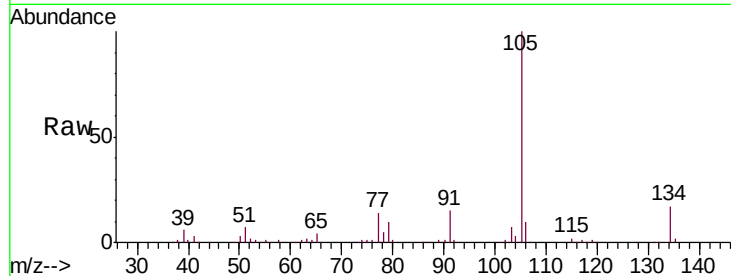




#85
 sec-Butylbenzene
 Concen: 18.870 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. -0.00 min
 Lab File: VD060646.D
 Acq: 19 Dec 2018 19:05

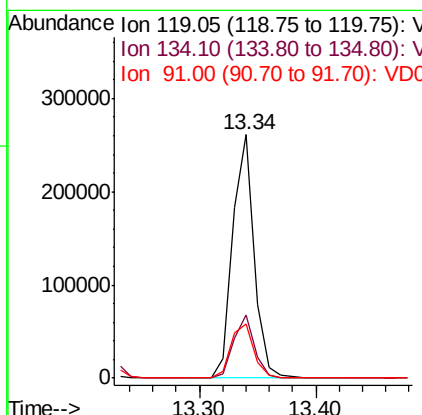
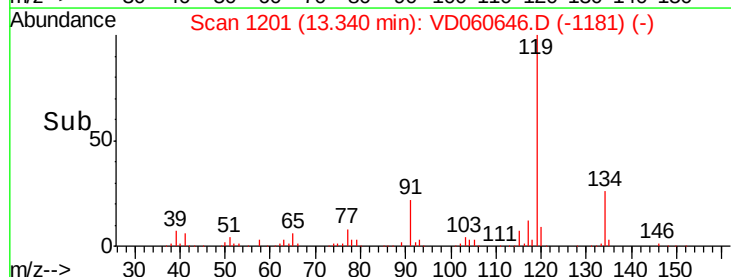
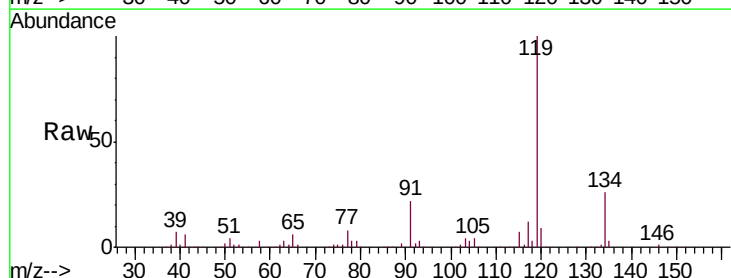
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

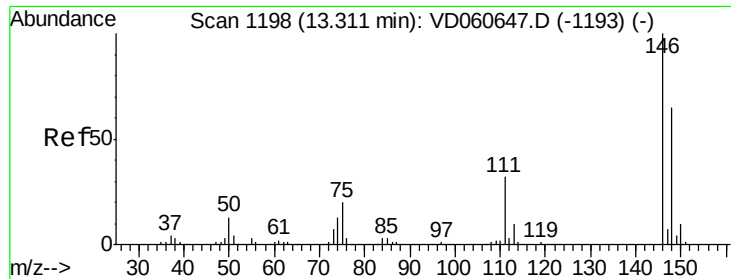
Tgt Ion:105 Resp: 388138
 Ion Ratio Lower Upper
 105 100
 134 16.8 8.3 24.8



#86
 p-Isopropyltoluene
 Concen: 18.790 ug/l
 RT: 13.34 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VD060646.D
 Acq: 19 Dec 2018 19:05

Tgt Ion:119 Resp: 332857
 Ion Ratio Lower Upper
 119 100
 134 26.0 13.1 39.1
 91 22.0 11.2 33.5

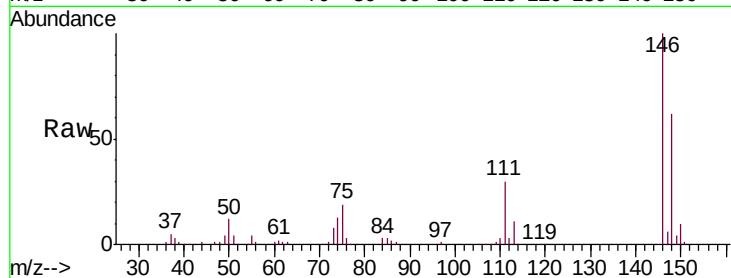




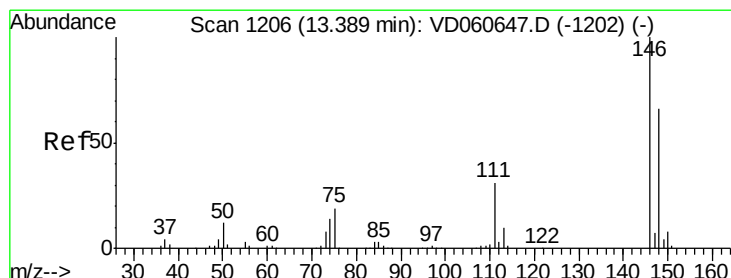
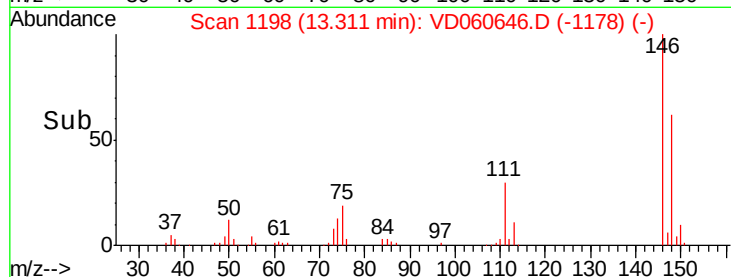
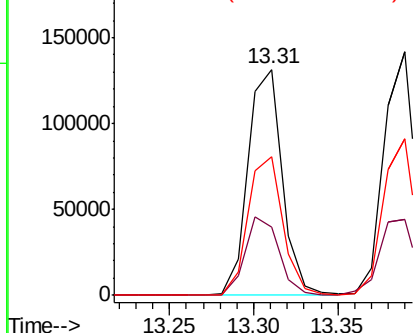
#87
 1,3-Dichlorobenzene
 Concen: 19.035 ug/l
 RT: 13.31 min Scan# 1198
 Delta R.T. -0.00 min
 Lab File: VD060646.D
 Acq: 19 Dec 2018 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:146 Resp: 185729
 Ion Ratio Lower Upper
 146 100
 111 30.2 15.9 47.7
 148 61.6 32.4 97.0

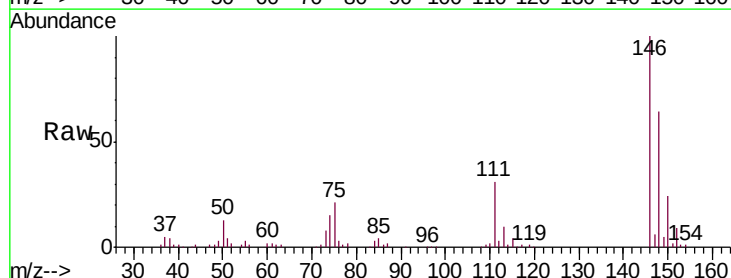


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

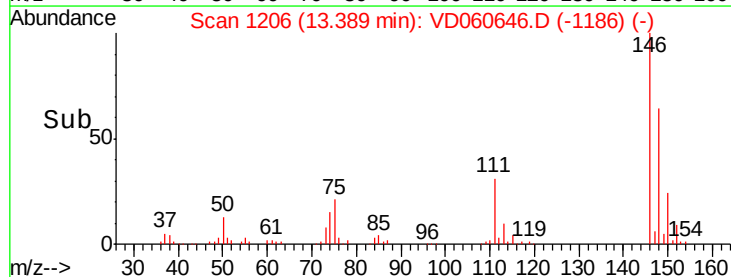
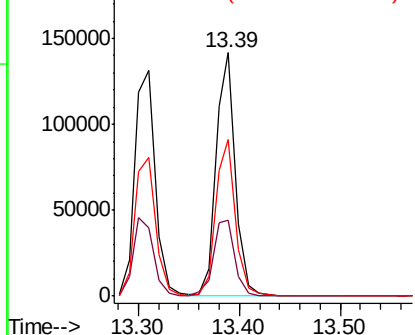


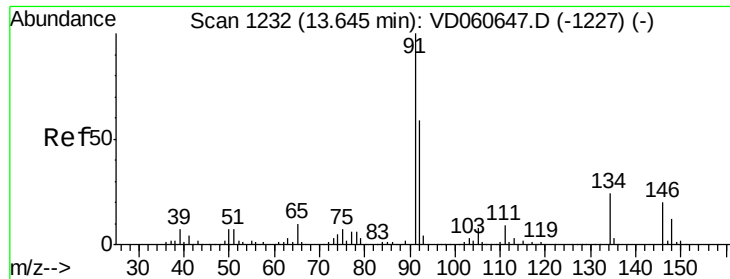
#88
 1,4-Dichlorobenzene
 Concen: 19.265 ug/l
 RT: 13.39 min Scan# 1206
 Delta R.T. -0.00 min
 Lab File: VD060646.D
 Acq: 19 Dec 2018 19:05

Tgt Ion:146 Resp: 189915
 Ion Ratio Lower Upper
 146 100
 111 31.0 15.4 46.2
 148 64.4 32.9 98.7



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

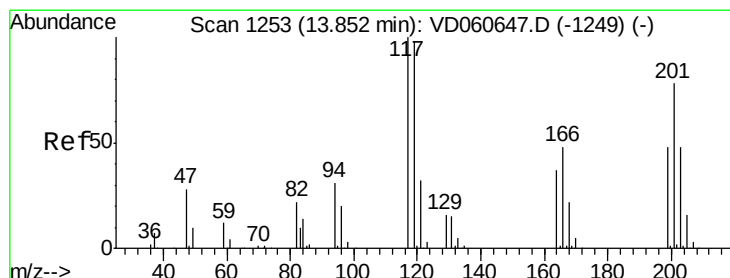
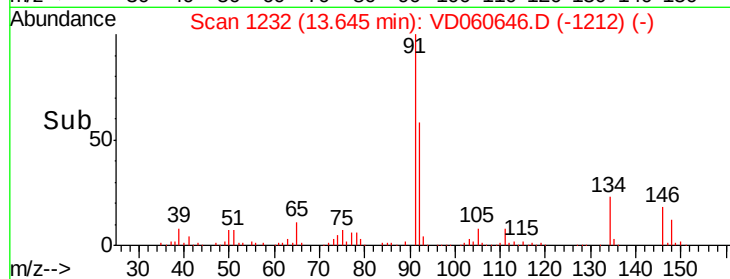
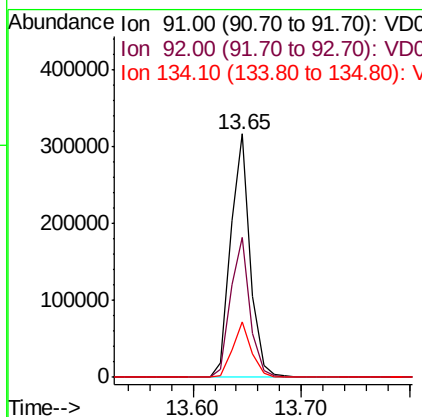
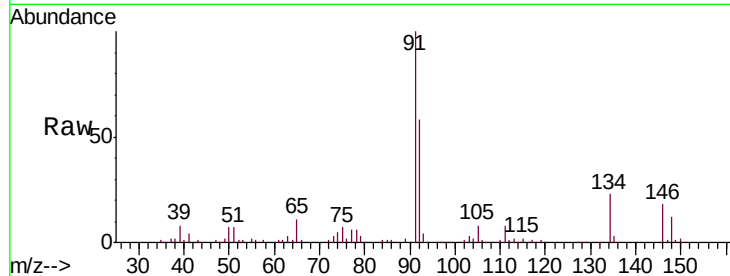




#89
n-Butylbenzene
Concen: 19.528 ug/l
RT: 13.65 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VD060646.D
Acq: 19 Dec 2018 19:05

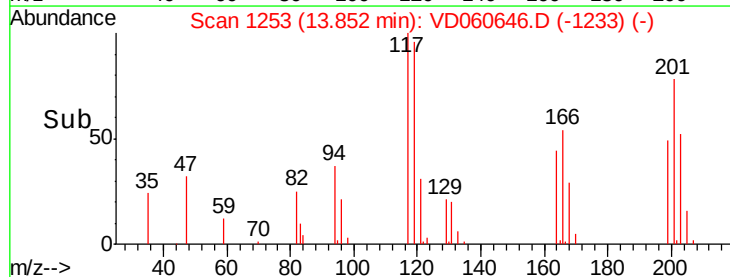
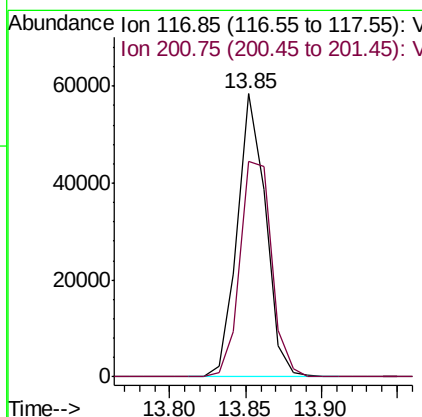
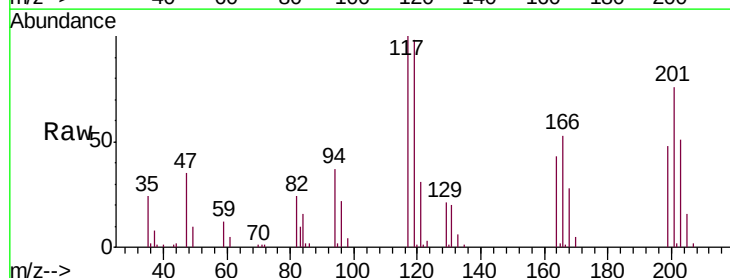
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

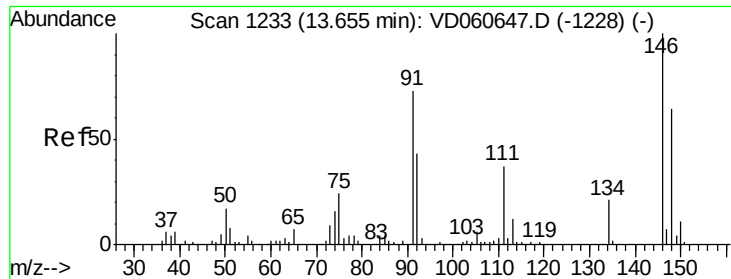
Tgt Ion: 91 Resp: 396543
Ion Ratio Lower Upper
91 100
92 57.6 29.7 89.1
134 23.0 12.0 36.0



#90
Hexachloroethane
Concen: 17.827 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. -0.00 min
Lab File: VD060646.D
Acq: 19 Dec 2018 19:05

Tgt Ion: 117 Resp: 75778
Ion Ratio Lower Upper
117 100
201 76.3 39.0 116.9

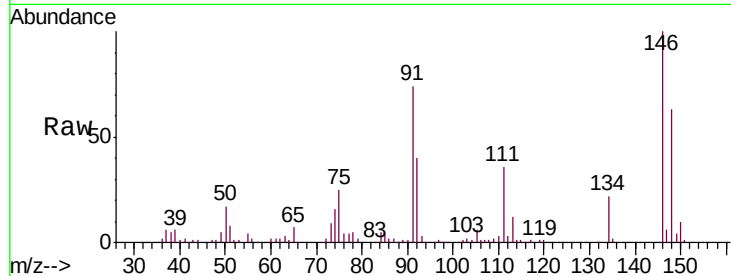




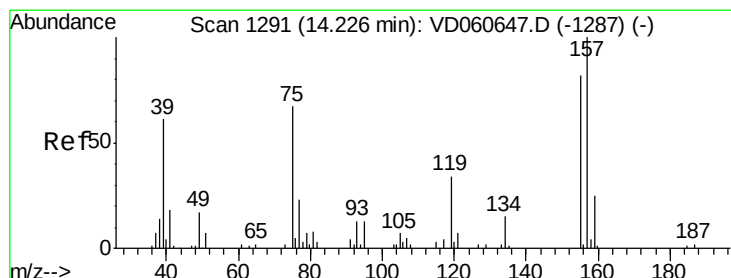
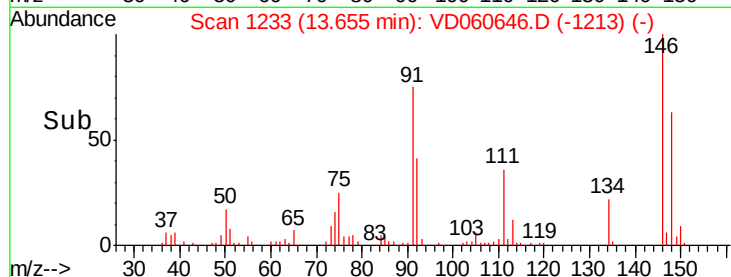
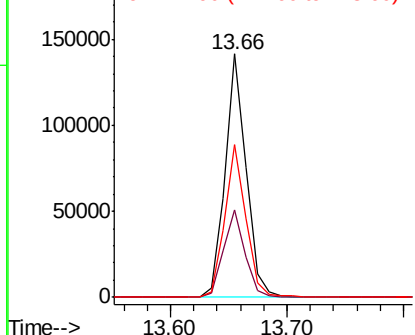
#91
 1,2-Dichlorobenzene
 Concen: 19.867 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. -0.00 min
 Lab File: VD060646.D
 Acq: 19 Dec 2018 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion: 146 Resp: 177023
 Ion Ratio Lower Upper
 146 100
 111 36.1 18.6 55.6
 148 62.9 31.9 95.9

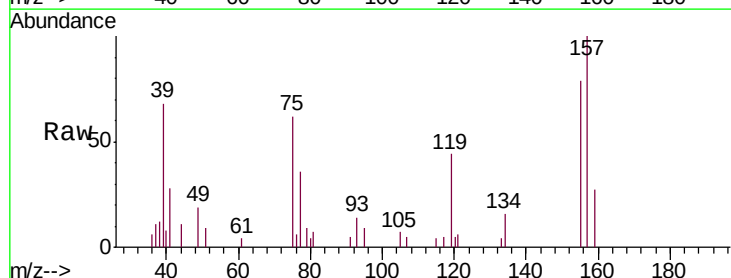


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

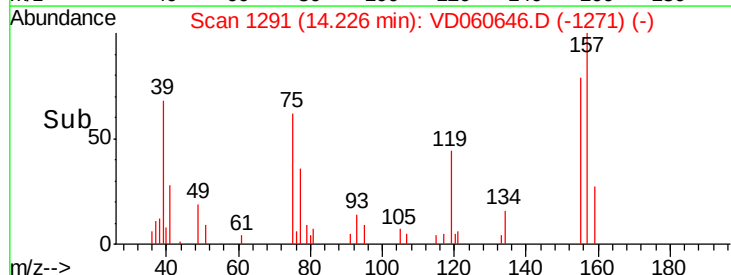
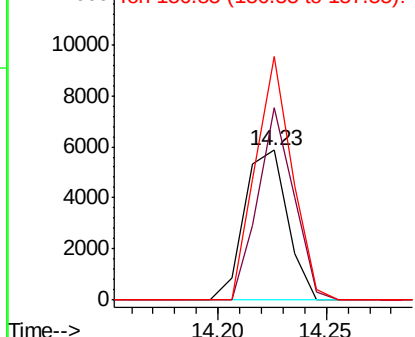


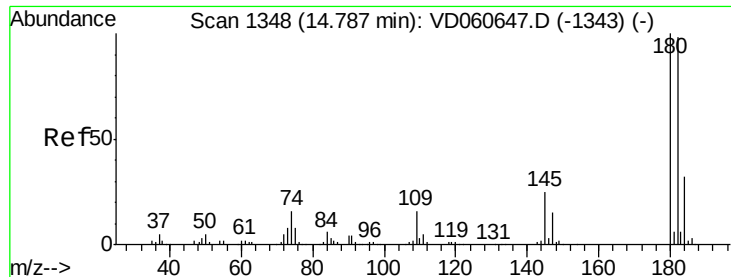
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.393 ug/l
 RT: 14.23 min Scan# 1291
 Delta R.T. -0.00 min
 Lab File: VD060646.D
 Acq: 19 Dec 2018 19:05

Tgt Ion: 75 Resp: 8188
 Ion Ratio Lower Upper
 75 100
 155 128.2 61.6 184.8
 157 162.5 75.2 225.6



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

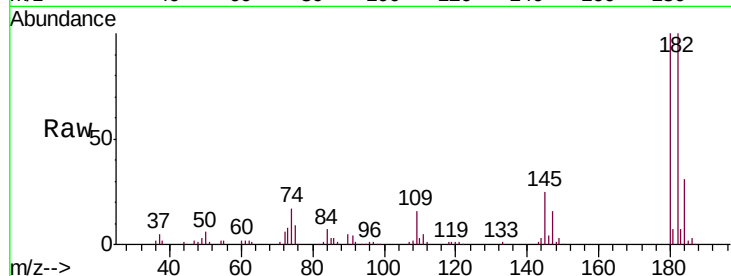




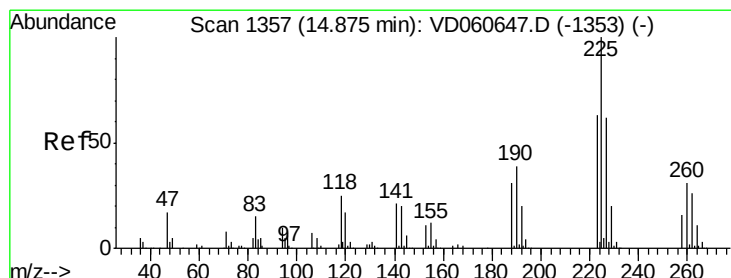
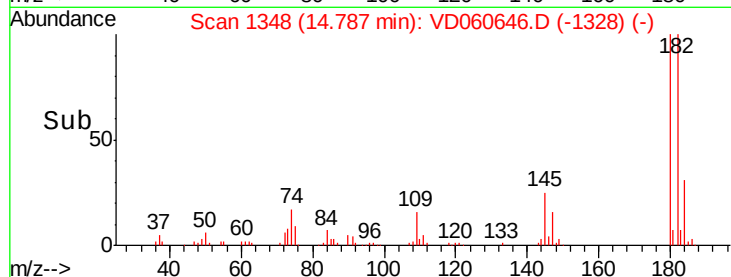
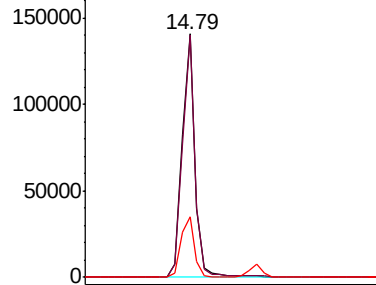
#93
 1,2,4-Trichlorobenzene
 Concen: 18.586 ug/l
 RT: 14.79 min Scan# 1348
 Delta R.T. -0.00 min
 Lab File: VD060646.D
 Acq: 19 Dec 2018 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC020

Tgt Ion:180 Resp: 168585
 Ion Ratio Lower Upper
 180 100
 182 99.7 48.8 146.3
 145 24.7 12.6 37.6

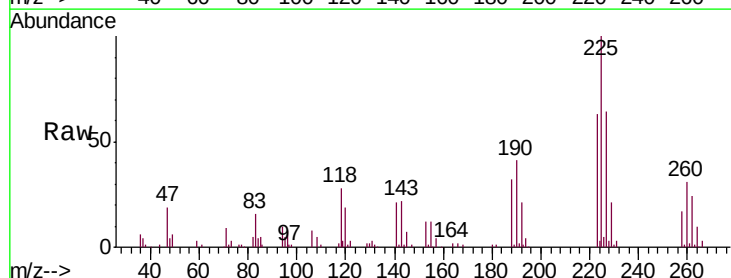


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

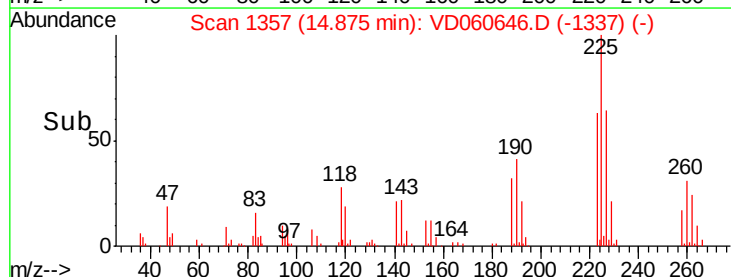
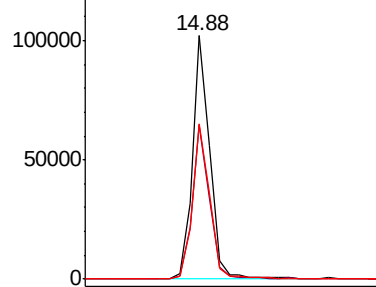


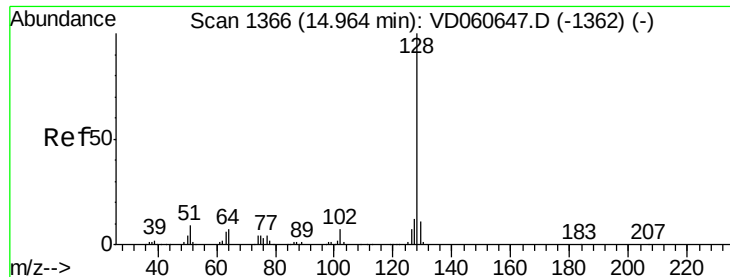
#94
 Hexachlorobutadiene
 Concen: 18.163 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. -0.00 min
 Lab File: VD060646.D
 Acq: 19 Dec 2018 19:05

Tgt Ion:225 Resp: 122175
 Ion Ratio Lower Upper
 225 100
 223 63.3 31.6 94.7
 227 63.7 30.9 92.5



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

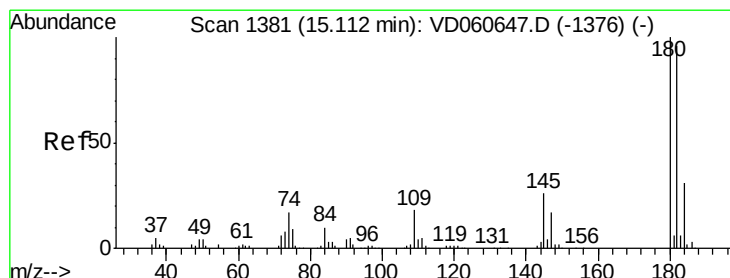
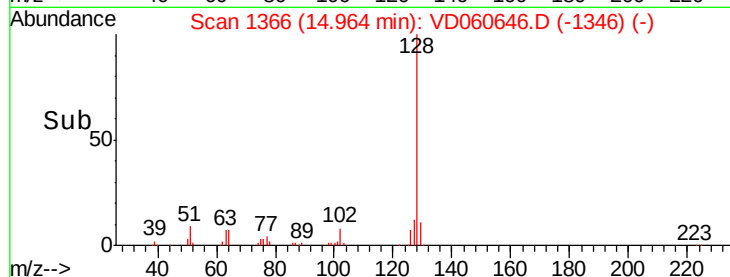
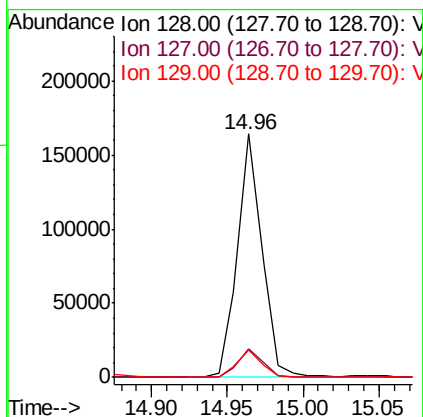
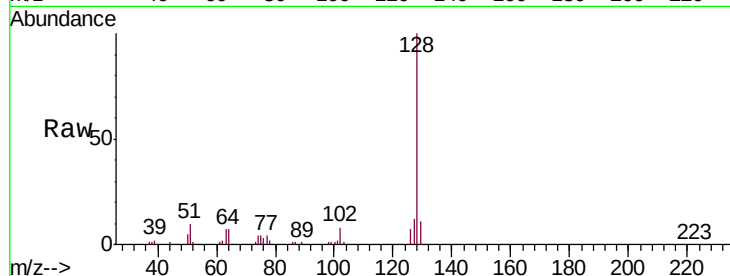




#95
Naphthalene
Concen: 17.418 ug/l
RT: 14.96 min Scan# 1366
Delta R.T. -0.00 min
Lab File: VD060646.D
Acq: 19 Dec 2018 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC020

Tgt Ion:128 Resp: 186244
Ion Ratio Lower Upper
128 100
127 11.6 9.4 14.0
129 11.3 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 18.899 ug/l
RT: 15.11 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VD060646.D
Acq: 19 Dec 2018 19:05

Tgt Ion:180 Resp: 139970
Ion Ratio Lower Upper
180 100
182 95.3 48.1 144.4
145 26.9 13.2 39.6

