

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
 Data File : VD061348.D
 Acq On : 27 Mar 2019 11:44
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 28 09:16:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:14:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	733950	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	1235883	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.35	117	1055472	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.50	152	465407	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.43	65	36670	5.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.70%	
35) Dibromofluoromethane	6.91	113	48946	5.18	ug/l	0.01
Spiked Amount	50.000		Recovery	=	10.36%	
50) Toluene-d8	10.39	98	128707	5.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.36%	
62) 4-Bromofluorobenzene	13.54	95	48982	5.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.28%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.60	85	41337	5.274 ug/l	100
3) Chloromethane	1.76	50	34890	5.458 ug/l	97
4) Vinyl Chloride	1.86	62	29748	5.068 ug/l	96
5) Bromomethane	2.17	94	6778	5.824 ug/l #	90
6) Chloroethane	2.27	64	8873	5.155 ug/l	95
7) Trichlorofluoromethane	2.54	101	47961	5.619 ug/l	99
8) Diethyl Ether	2.87	74	13869	5.047 ug/l	90
9) 1,1,2-Trichlorotrifluoroet	3.16	101	47660	5.194 ug/l	93
10) Methyl Iodide	3.31	142	43125	6.343 ug/l #	92
11) Tert butyl alcohol	4.06	59	9765	25.009 ug/l #	76
12) 1,1-Dichloroethene	3.14	96	41038	5.209 ug/l	91
13) Acrolein	3.04	56	8200	5.119 ug/l	95
14) Allyl chloride	3.62	41	57665	5.248 ug/l	99
15) Acrylonitrile	4.18	53	33395	24.642 ug/l	96
16) Acetone	3.22	43	39343	24.410 ug/l	92
17) Carbon Disulfide	3.38	76	135114	5.279 ug/l	100
18) Methyl Acetate	3.63	43	20818	6.143 ug/l	98
19) Methyl tert-butyl Ether	4.23	73	67973	4.985 ug/l	100
20) Methylene Chloride	3.81	84	72082	6.306 ug/l	98
21) trans-1,2-Dichloroethene	4.22	96	44195	5.196 ug/l	96
22) Diisopropyl ether	5.10	45	115928	4.986 ug/l	92
23) Vinyl Acetate	5.04	43	316198	25.035 ug/l	100
24) 1,1-Dichloroethane	4.97	63	72385	5.297 ug/l	98
25) 2-Butanone	6.05	43	49504	24.417 ug/l	97
26) 2,2-Dichloropropane	6.02	77	53426	4.918 ug/l	92
27) cis-1,2-Dichloroethene	6.03	96	45561	4.889 ug/l	89
28) Bromochloromethane	6.42	49	28638	5.192 ug/l	92
29) Tetrahydrofuran	6.44	42	25316	25.762 ug/l	97
30) Chloroform	6.66	83	69823	4.945 ug/l	100
31) Cyclohexane	6.94	56	54591	5.055 ug/l	93
32) 1,1,1-Trichloroethane	6.85	97	62275	4.999 ug/l	95
36) 1,1-Dichloropropene	7.13	75	63805	5.915 ug/l	97
37) Ethyl Acetate	6.17	43	24440	5.298 ug/l	97
38) Carbon Tetrachloride	7.09	117	66757	5.436 ug/l	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
 Data File : VD061348.D
 Acq On : 27 Mar 2019 11:44
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Quant Time: Mar 28 09:16:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:14:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	62503	5.564	ug/l	97
40) Benzene	7.44	78	147610	5.453	ug/l	94
41) Methacrylonitrile	6.42	41	28119	5.213	ug/l #	95
42) 1,2-Dichloroethane	7.56	62	40660	5.021	ug/l	95
43) Isopropyl Acetate	9.21	43	32751	4.879	ug/l	98
44) Trichloroethene	8.52	130	53147	5.275	ug/l	98
45) 1,2-Dichloropropane	8.92	63	32716	4.766	ug/l	94
46) Dibromomethane	9.05	93	22693	4.912	ug/l	98
47) Bromodichloromethane	9.35	83	51141	4.932	ug/l	94
48) Methyl methacrylate	9.10	41	18481	4.989	ug/l	99
49) 1,4-Dioxane	9.06	88	3378	82.677	ug/l #	76
51) 4-Methyl-2-Pentanone	10.28	43	106076	25.977	ug/l	98
52) Toluene	10.48	92	95632	5.790	ug/l	94
53) t-1,3-Dichloropropene	10.89	75	46376	4.922	ug/l	95
54) cis-1,3-Dichloropropene	10.02	75	61292	5.343	ug/l	92
55) 1,1,2-Trichloroethane	11.16	97	31852	5.515	ug/l	92
56) Ethyl methacrylate	11.02	69	28677	4.622	ug/l #	89
57) 1,3-Dichloropropane	11.39	76	44185	5.205	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.83	63	83281	27.561	ug/l	98
59) 2-Hexanone	11.51	43	77586	26.224	ug/l	98
60) Dibromochloromethane	11.67	129	44250	4.970	ug/l	96
61) 1,2-Dibromoethane	11.78	107	33341	4.985	ug/l	95
64) Tetrachloroethene	11.23	164	43734	5.280	ug/l	95
65) Chlorobenzene	12.38	112	114409	5.304	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.49	131	39562	4.737	ug/l	97
67) Ethyl Benzene	12.50	91	174222	5.292	ug/l	96
68) m/p-Xylenes	12.65	106	131741	10.563	ug/l	99
69) o-Xylene	13.03	106	56857	4.698	ug/l	95
70) Styrene	13.05	104	104483	4.952	ug/l	97
71) Bromoform	13.22	173	24324	4.594	ug/l	99
73) Isopropylbenzene	13.39	105	181361	5.599	ug/l	99
74) N-amyl acetate	13.25	43	45818	5.078	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.68	83	34917	5.110	ug/l	96
76) 1,2,3-Trichloropropane	13.71	75	33885	5.040	ug/l	98
77) Bromobenzene	13.65	156	48435	5.044	ug/l	86
78) n-propylbenzene	13.75	91	200443	5.057	ug/l	94
79) 2-Chlorotoluene	13.82	91	118326	5.498	ug/l	99
80) 1,3,5-Trimethylbenzene	13.92	105	149612	5.589	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	8106	3.954	ug/l	91
82) 4-Chlorotoluene	13.93	91	142159	6.074	ug/l	93
83) tert-Butylbenzene	14.18	119	162306	5.168	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	144440	5.309	ug/l	98
85) sec-Butylbenzene	14.35	105	170192	5.101	ug/l	99
86) p-Isopropyltoluene	14.47	119	155998	5.529	ug/l	96
87) 1,3-Dichlorobenzene	14.44	146	82877	5.097	ug/l	94
88) 1,4-Dichlorobenzene	14.52	146	83926	5.292	ug/l	96
89) n-Butylbenzene	14.79	91	153993	5.946	ug/l	98
90) Hexachloroethane	14.99	117	40394	5.068	ug/l	85
91) 1,2-Dichlorobenzene	14.80	146	78213	5.864	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	3484	4.347	ug/l	68

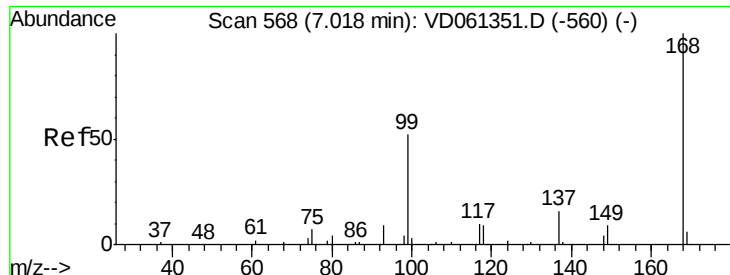
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD032719\
Data File : VD061348.D
Acq On : 27 Mar 2019 11:44
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

Quant Time: Mar 28 09:16:59 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:14:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	30298	4.986	ug/l	93
94) Hexachlorobutadiene	16.03	225	23942	5.043	ug/l	95
95) Naphthalene	16.11	128	44462	4.801	ug/l	99
96) 1,2,3-Trichlorobenzene	16.25	180	11135	4.165	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Instrument :

MSVOA_D

ClientSampleId :

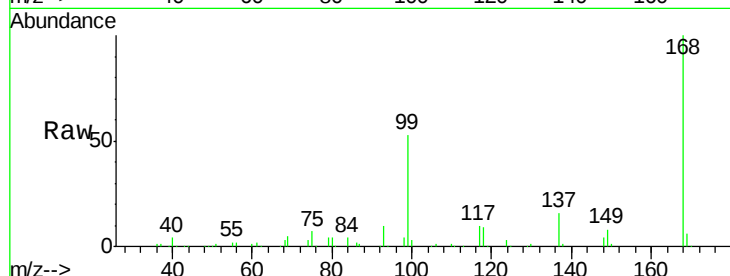
VSTDIC005

Tgt Ion:168 Resp: 733950

Ion Ratio Lower Upper

168 100

99 53.5 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

250000

150000

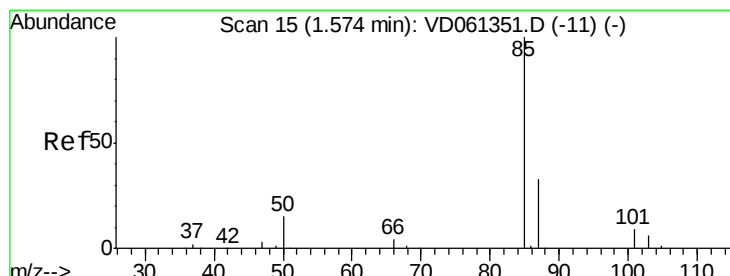
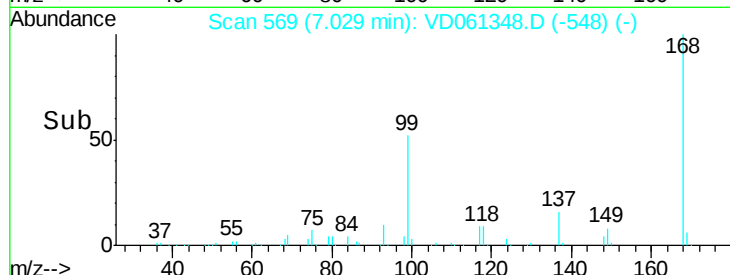
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50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 5.274 ug/l

RT: 1.60 min Scan# 17

Delta R.T. 0.02 min

Lab File: VD061348.D

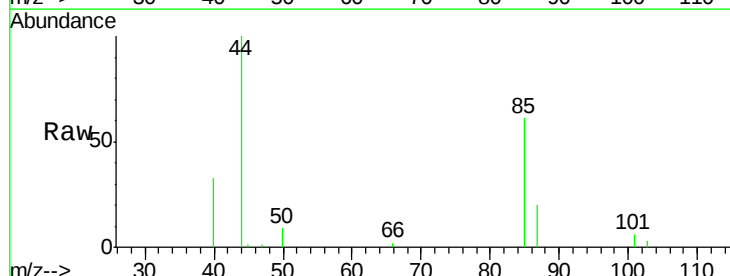
Acq: 27 Mar 2019 11:44

Tgt Ion: 85 Resp: 41337

Ion Ratio Lower Upper

85 100

87 32.9 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.60

20000

15000

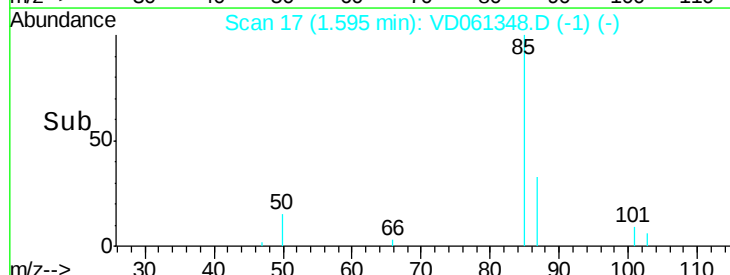
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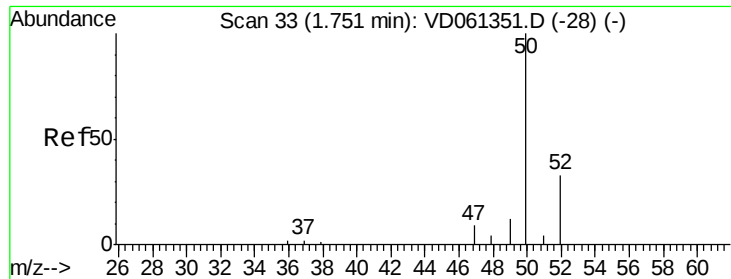
5000

0

1.50 1.60 1.70

Time-->

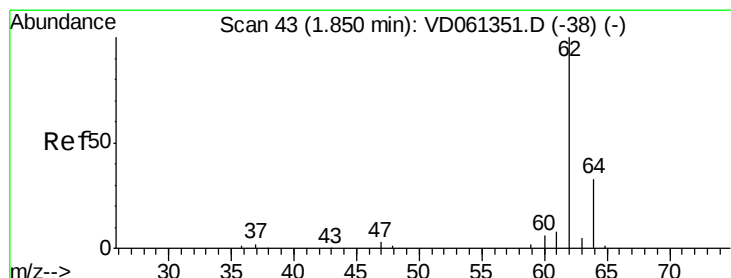
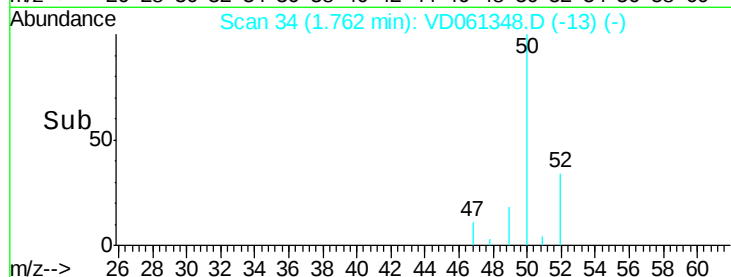
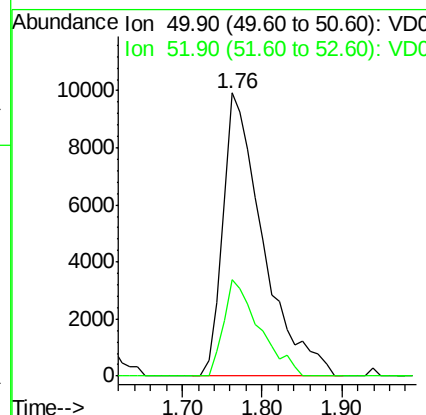
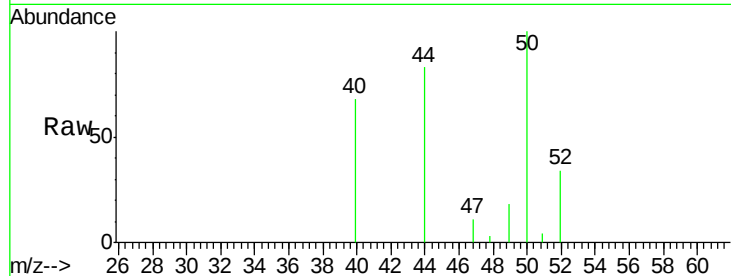




#3
 Chloromethane
 Concen: 5.458 ug/l
 RT: 1.76 min Scan# 34
 Delta R.T. 0.01 min
 Lab File: VD061348.D
 Acq: 27 Mar 2019 11:44

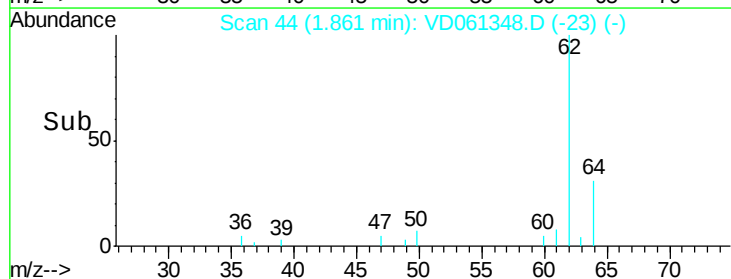
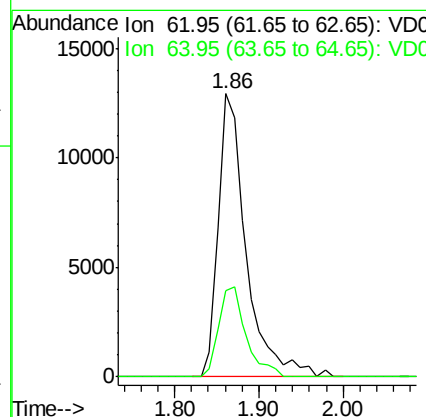
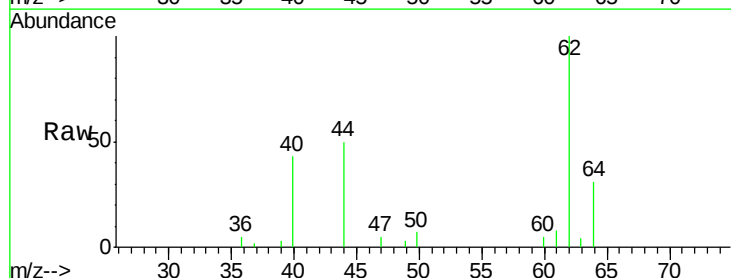
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion: 50 Resp: 34890
 Ion Ratio Lower Upper
 50 100
 52 34.1 26.1 39.1



#4
 Vinyl Chloride
 Concen: 5.068 ug/l
 RT: 1.86 min Scan# 44
 Delta R.T. 0.01 min
 Lab File: VD061348.D
 Acq: 27 Mar 2019 11:44

Tgt Ion: 62 Resp: 29748
 Ion Ratio Lower Upper
 62 100
 64 30.7 26.6 39.8





#5

Bromomethane

Concen: 5.824 ug/l

RT: 2.17 min Scan# 75

Delta R.T. 0.02 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

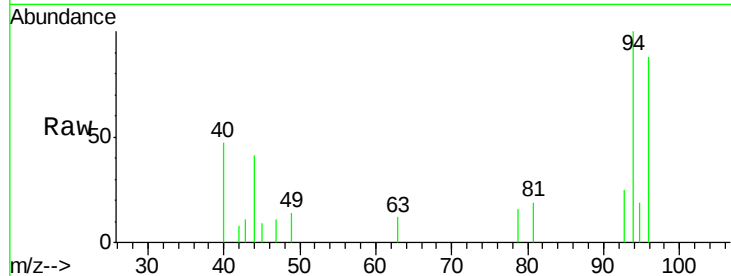
Tgt Ion: 94 Resp: 6778

Ion Ratio Lower Upper

94 100

96 88.1 78.3 117.5

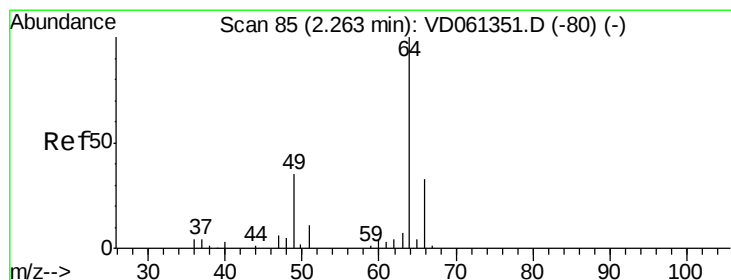
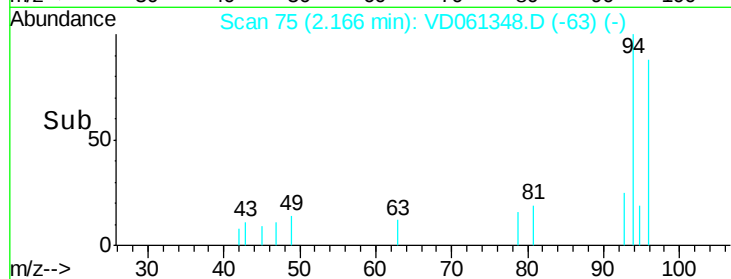
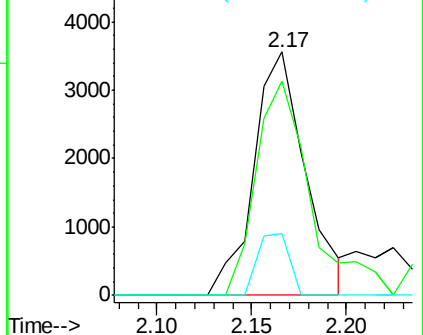
93 25.4 15.6 23.4#



Abundance Ion 94.00 (93.70 to 94.70): VDC

Ion 96.00 (95.70 to 96.70): VDC

Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 5.155 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD061348.D

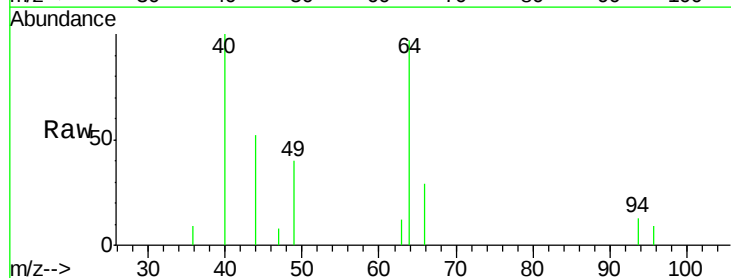
Acq: 27 Mar 2019 11:44

Tgt Ion: 64 Resp: 8873

Ion Ratio Lower Upper

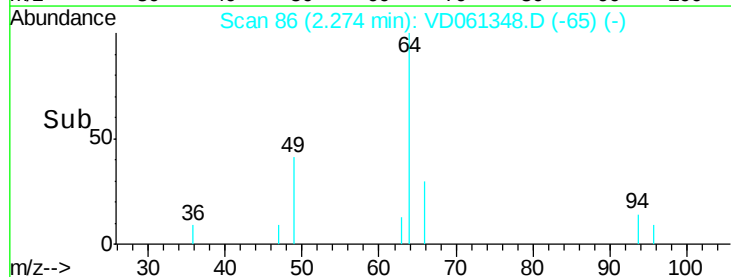
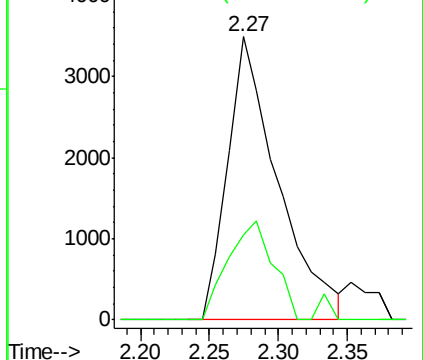
64 100

66 30.0 26.2 39.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



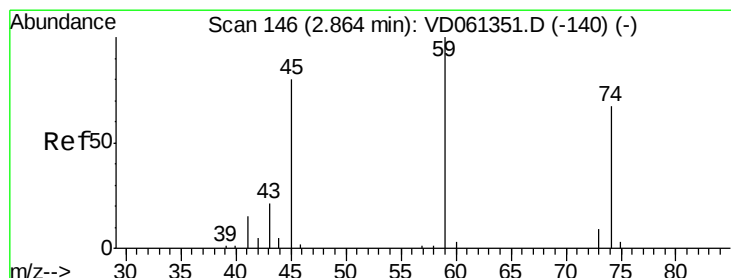
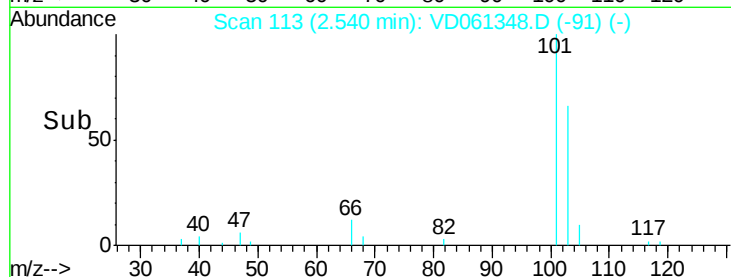
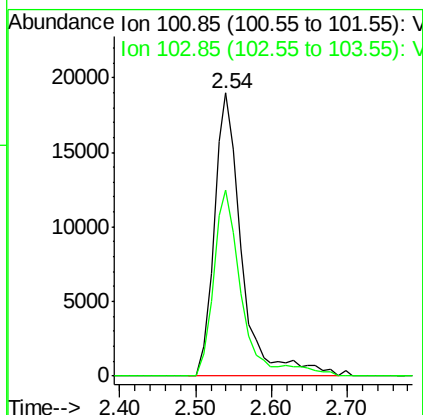
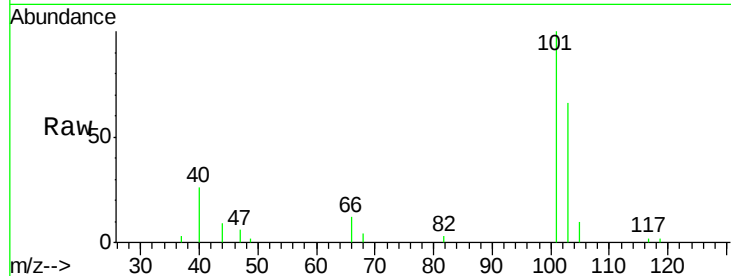


#7

Trichlorofluoromethane
 Concen: 5.619 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. 0.02 min
 Lab File: VD061348.D
 Acq: 27 Mar 2019 11:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

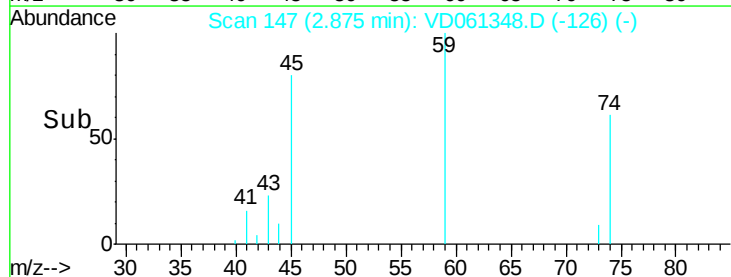
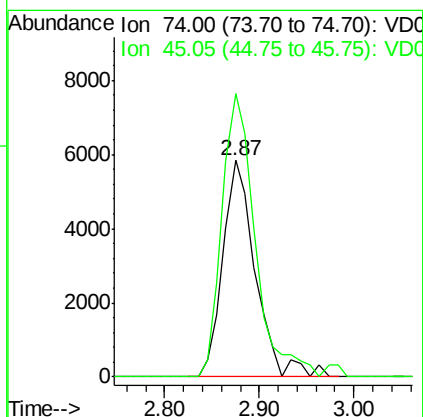
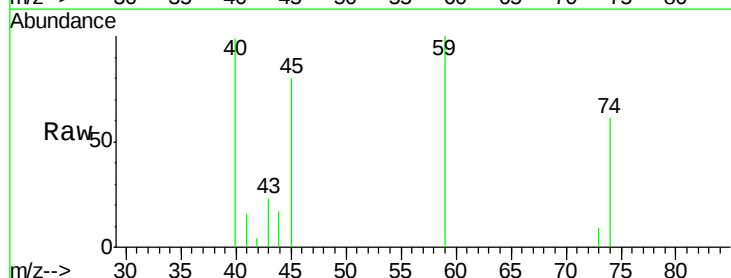
Tgt Ion: 101 Resp: 47961
 Ion Ratio Lower Upper
 101 100
 103 65.6 53.1 79.7



#8

Diethyl Ether
 Concen: 5.047 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD061348.D
 Acq: 27 Mar 2019 11:44

Tgt Ion: 74 Resp: 13869
 Ion Ratio Lower Upper
 74 100
 45 130.9 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.194 ug/l

RT: 3.16 min Scan# 176

Delta R.T. 0.02 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

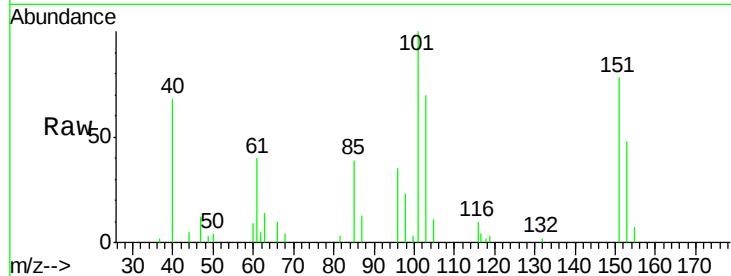
Tgt Ion:101 Resp: 47660

Ion Ratio Lower Upper

101 100

85 38.5 29.4 44.0

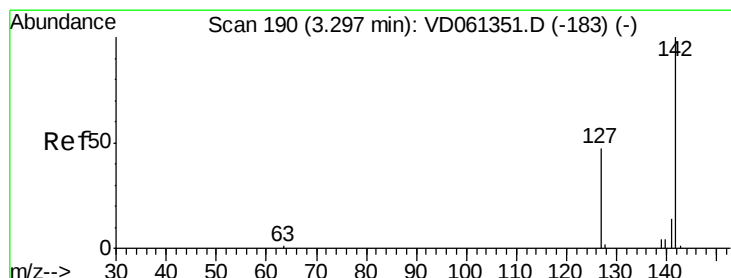
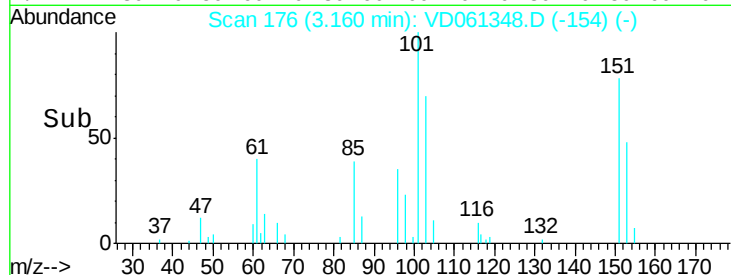
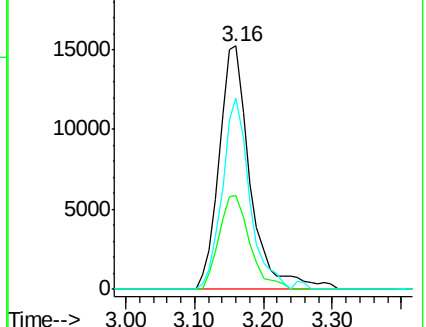
151 78.5 57.0 85.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 6.343 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

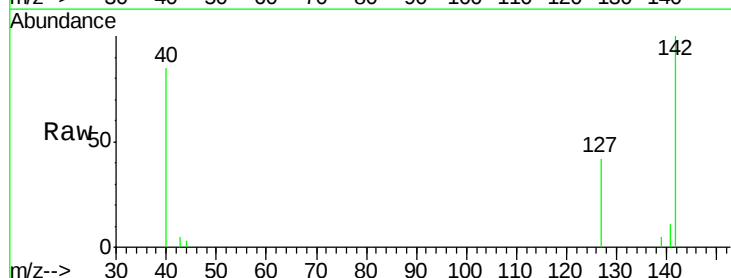
Tgt Ion:142 Resp: 43125

Ion Ratio Lower Upper

142 100

127 42.1 37.7 56.5

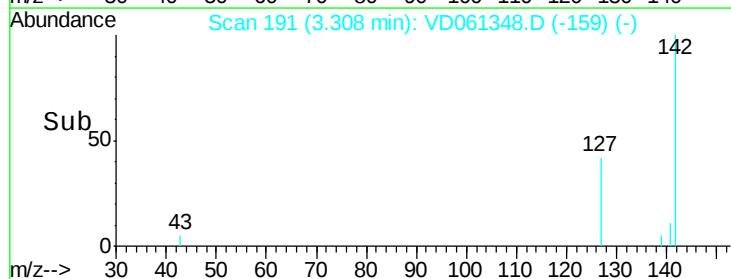
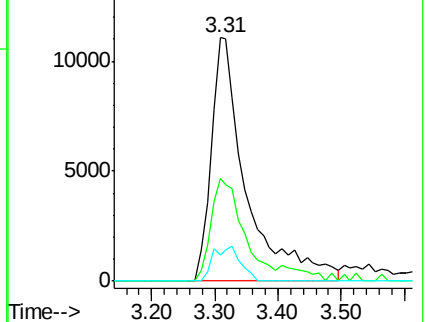
141 10.9 11.5 17.3#

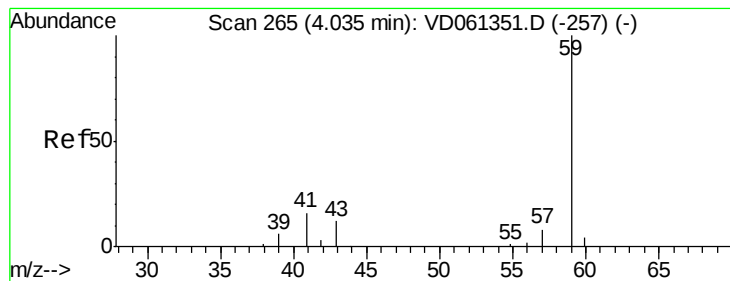


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



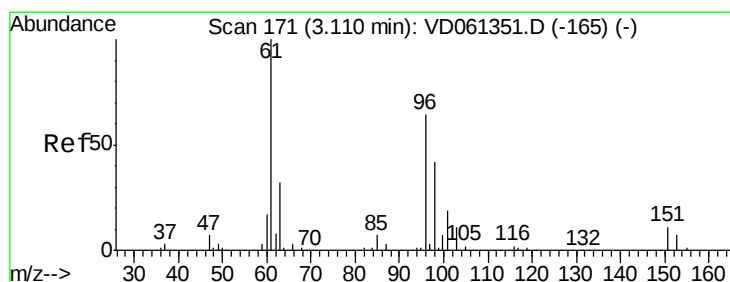
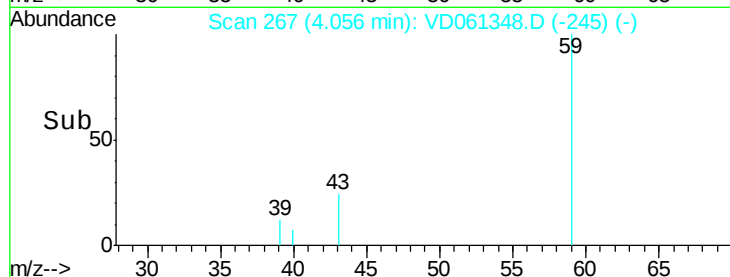
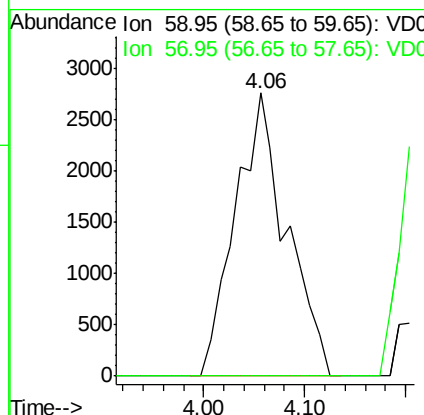
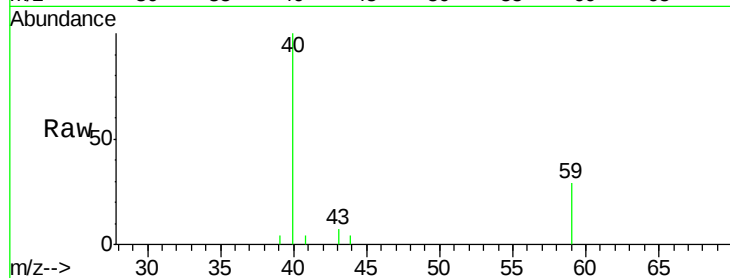


#11

Tert butyl alcohol
 Concen: 25.009 ug/l
 RT: 4.06 min Scan# 267
 Delta R.T. 0.02 min
 Lab File: VD061348.D
 Acq: 27 Mar 2019 11:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

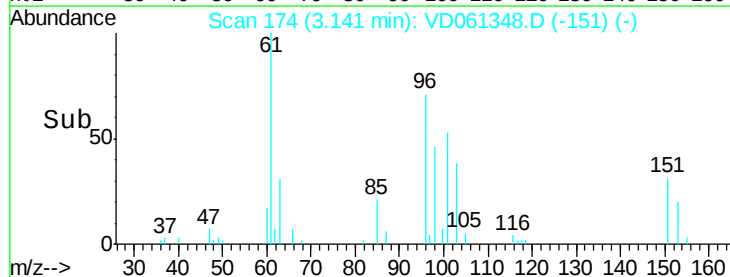
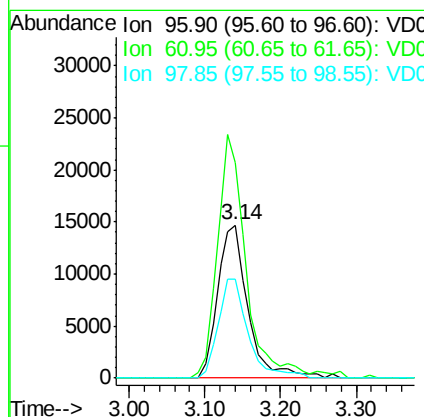
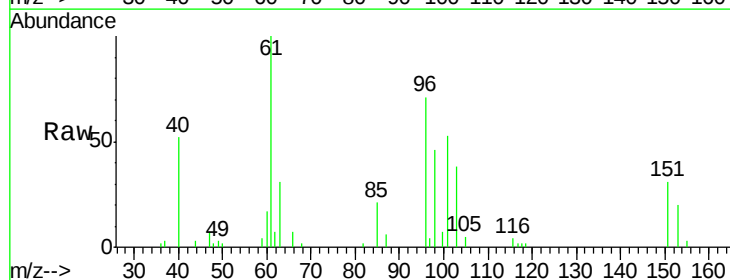
Tgt Ion: 59 Resp: 9765
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.7 10.1#

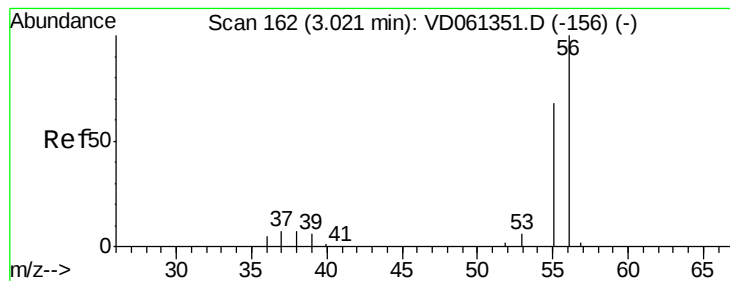


#12

1,1-Dichloroethene
 Concen: 5.209 ug/l
 RT: 3.14 min Scan# 174
 Delta R.T. 0.03 min
 Lab File: VD061348.D
 Acq: 27 Mar 2019 11:44

Tgt Ion: 96 Resp: 41038
 Ion Ratio Lower Upper
 96 100
 61 140.8 124.9 187.3
 98 64.6 52.5 78.7





#13

Acrolein

Concen: 5.119 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.02 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Instrument :

MSVOA_D

ClientSampleId :

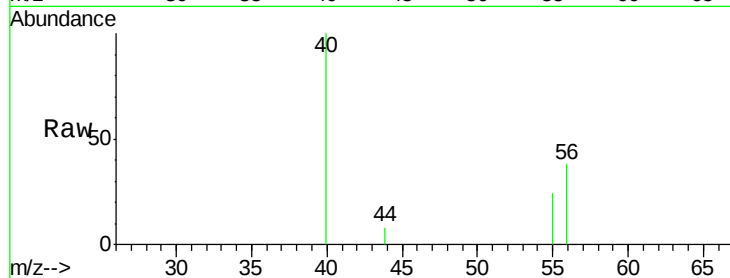
VSTDIC005

Tgt Ion: 56 Resp: 8200

Ion Ratio Lower Upper

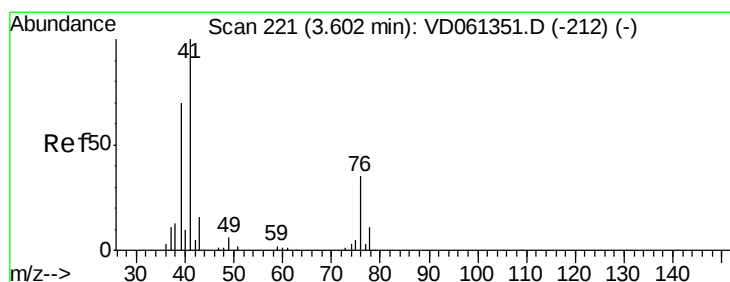
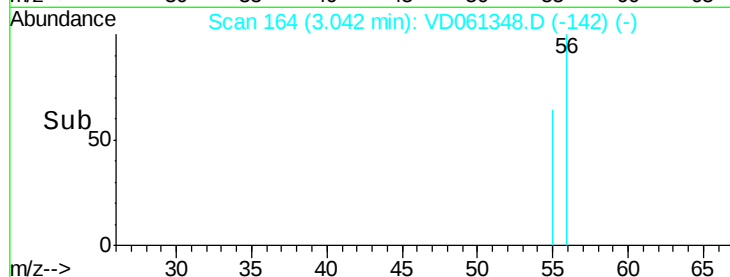
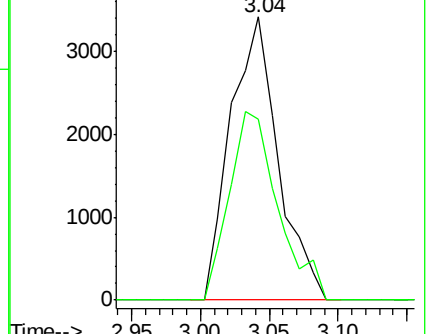
56 100

55 64.1 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 5.248 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

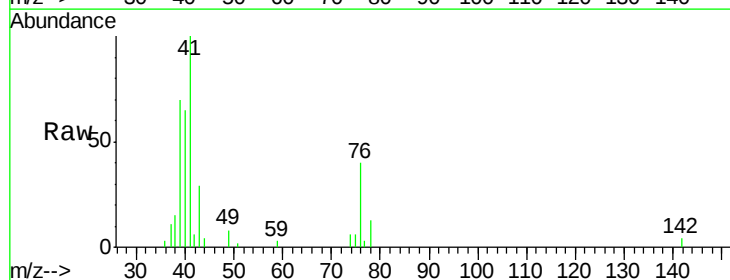
Tgt Ion: 41 Resp: 57665

Ion Ratio Lower Upper

41 100

39 69.8 55.6 83.4

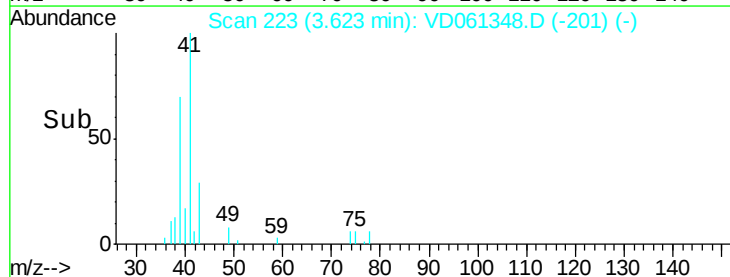
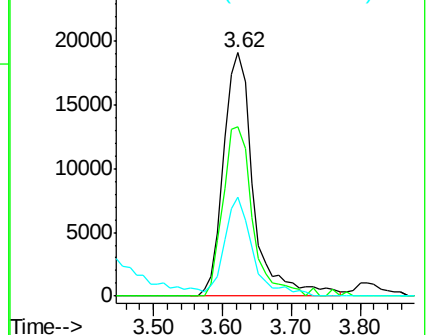
76 40.5 31.0 46.6

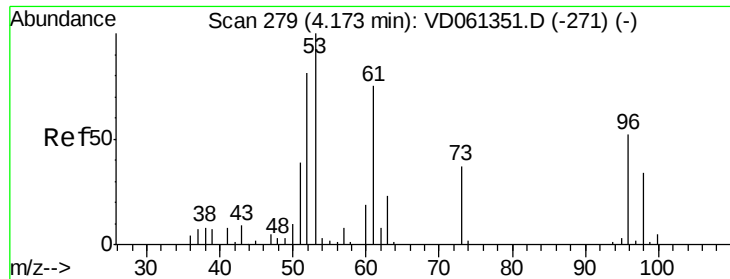


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 24.642 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

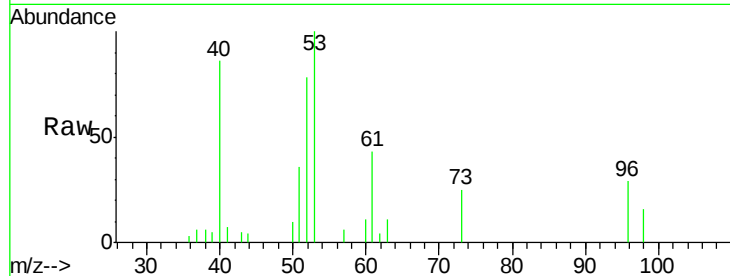
Tgt Ion: 53 Resp: 33395

Ion Ratio Lower Upper

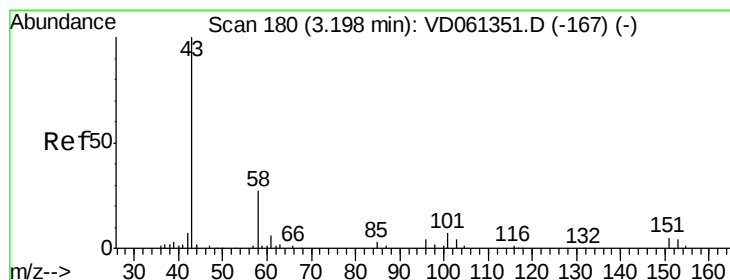
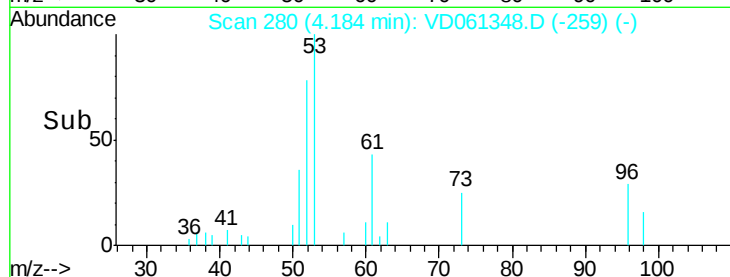
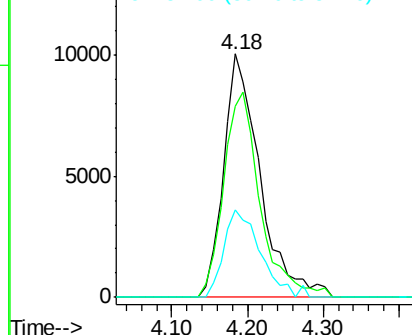
53 100

52 78.4 64.8 97.2

51 35.8 31.4 47.2



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 24.410 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD061348.D

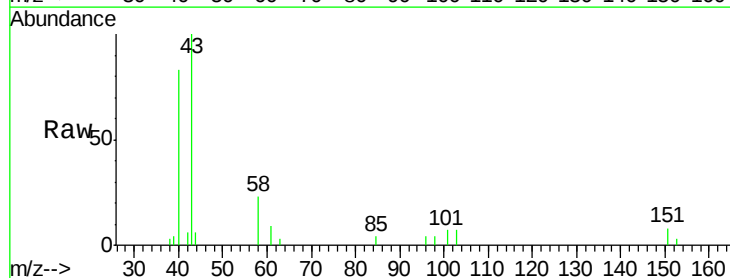
Acq: 27 Mar 2019 11:44

Tgt Ion: 43 Resp: 39343

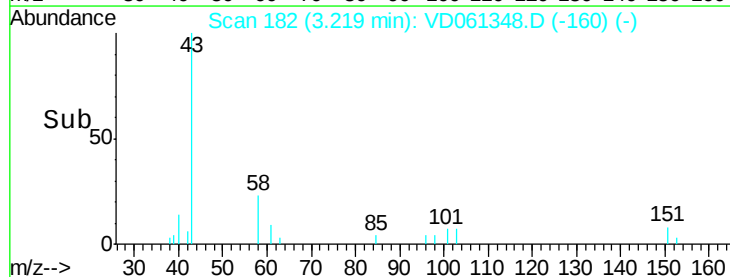
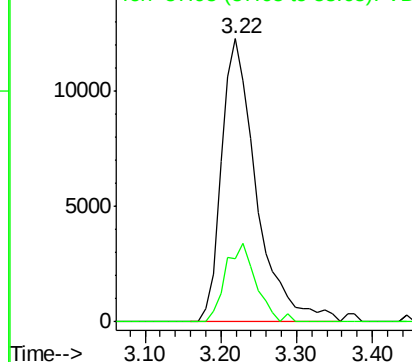
Ion Ratio Lower Upper

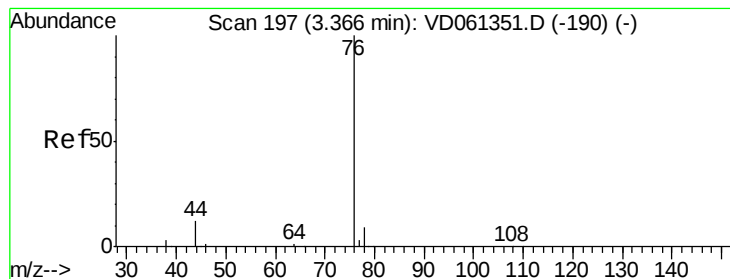
43 100

58 22.5 21.5 32.3



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





#17

Carbon Disulfide

Concen: 5.279 ug/l

RT: 3.38 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Instrument :

MSVOA_D

ClientSampleId :

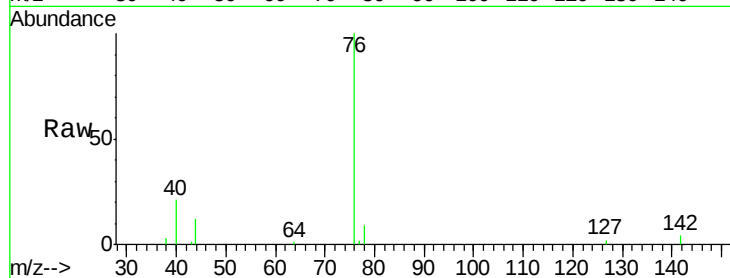
VSTDIC005

Tgt Ion: 76 Resp: 135114

Ion Ratio Lower Upper

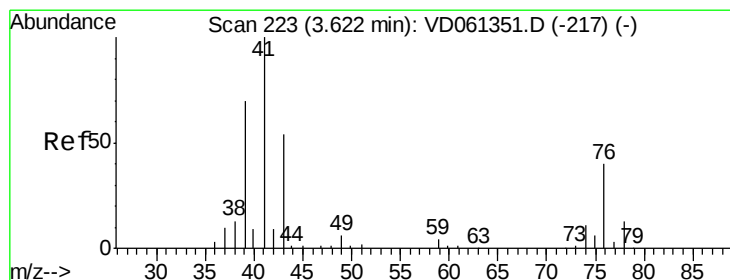
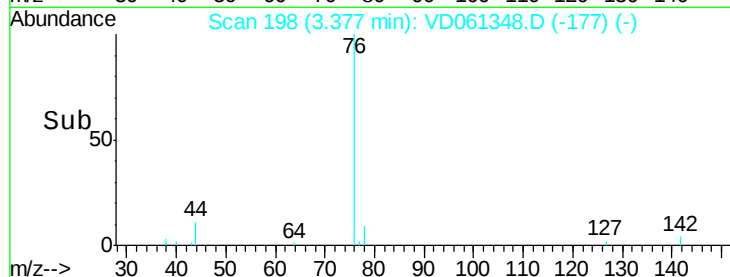
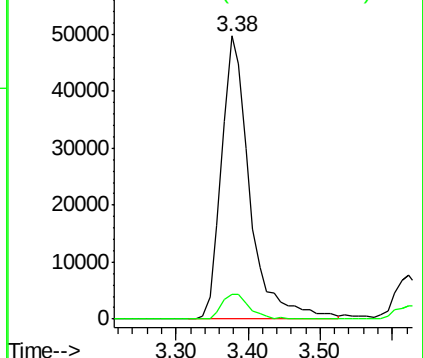
76 100

78 9.0 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 6.143 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD061348.D

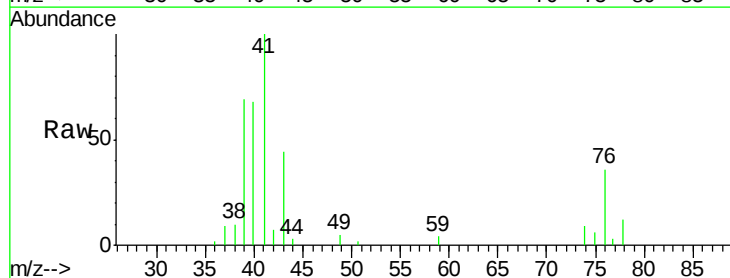
Acq: 27 Mar 2019 11:44

Tgt Ion: 43 Resp: 20818

Ion Ratio Lower Upper

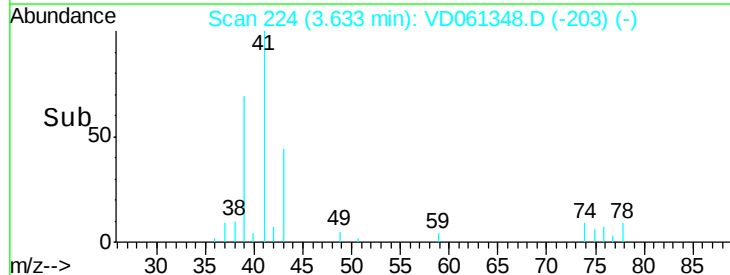
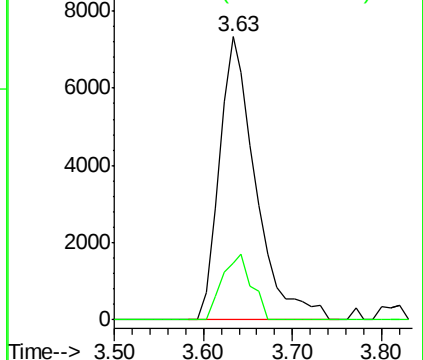
43 100

74 20.0 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

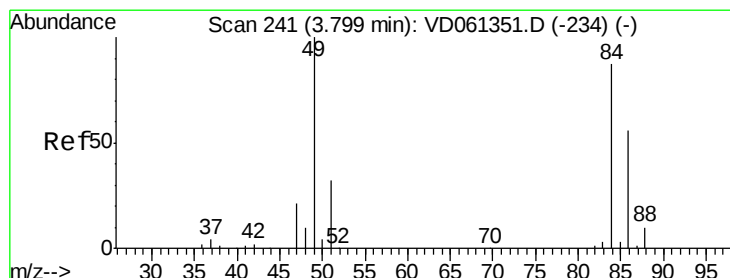
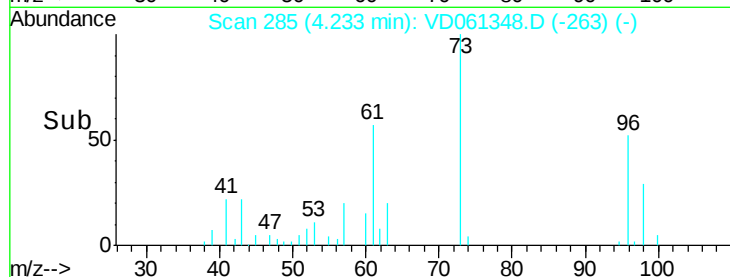
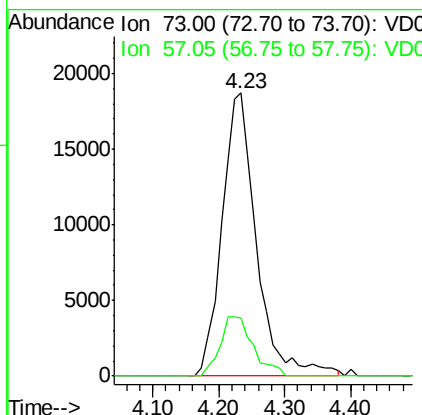
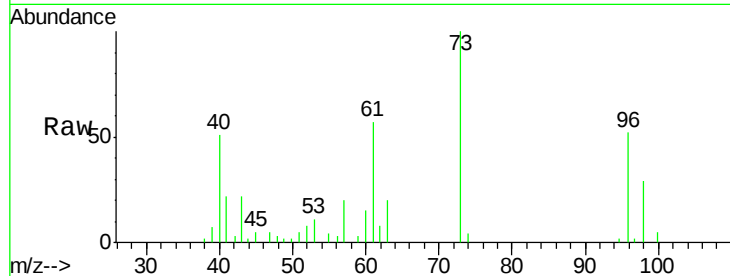




#19
Methyl tert-butyl Ether
Concen: 4.985 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.02 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

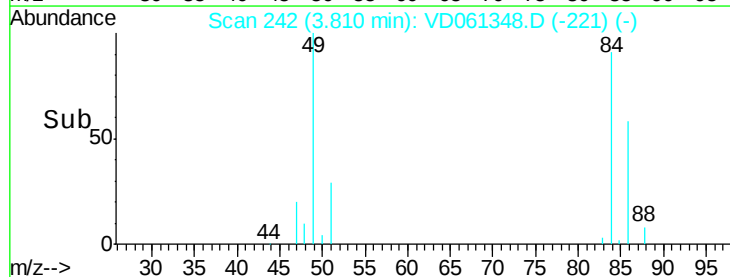
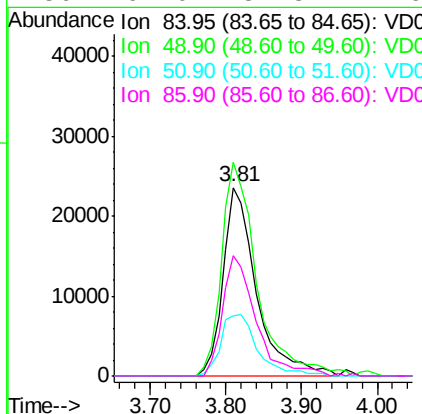
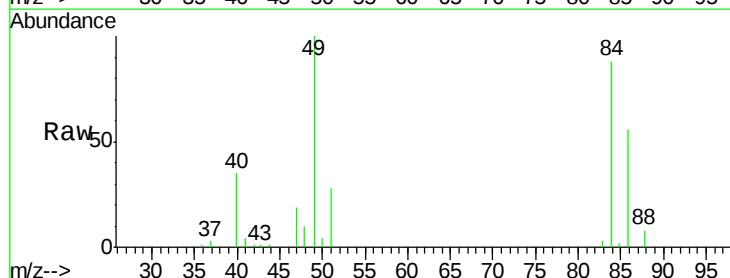
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

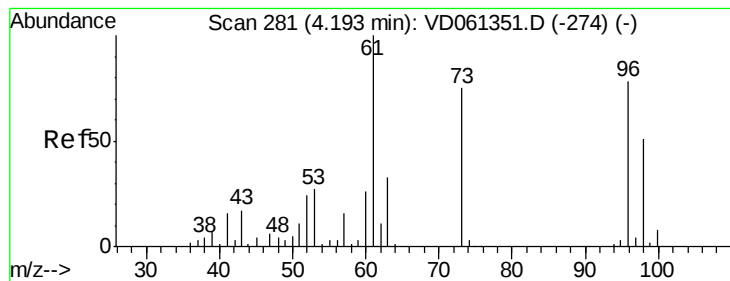
Tgt Ion: 73 Resp: 67973
Ion Ratio Lower Upper
73 100
57 20.4 16.4 24.6



#20
Methylene Chloride
Concen: 6.306 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.01 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

Tgt Ion: 84 Resp: 72082
Ion Ratio Lower Upper
84 100
49 113.4 91.8 137.8
51 32.3 29.8 44.8
86 64.0 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 5.196 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.03 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

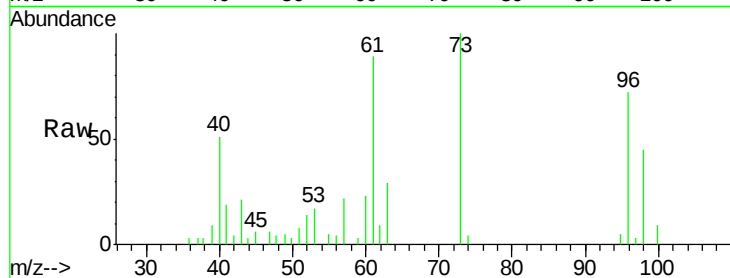
Tgt Ion: 96 Resp: 44195

Ion Ratio Lower Upper

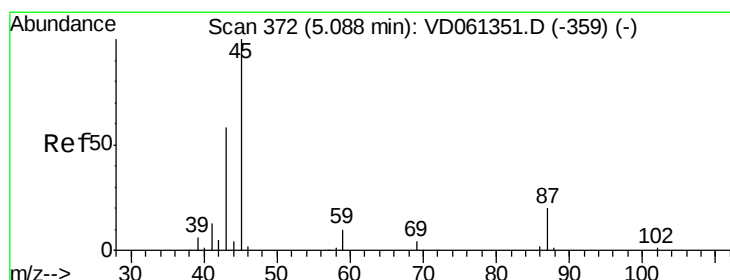
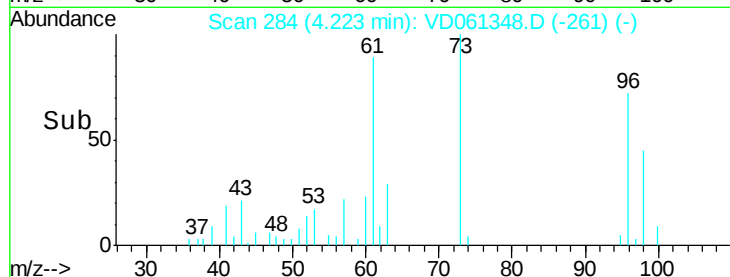
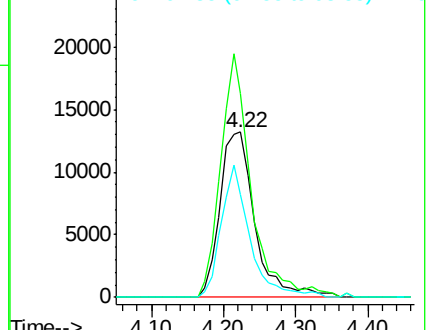
96 100

61 123.2 102.7 154.1

98 62.7 52.2 78.4



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



#22

Diisopropyl ether

Concen: 4.986 ug/l

RT: 5.10 min Scan# 373

Delta R.T. 0.01 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Tgt Ion: 45 Resp: 115928

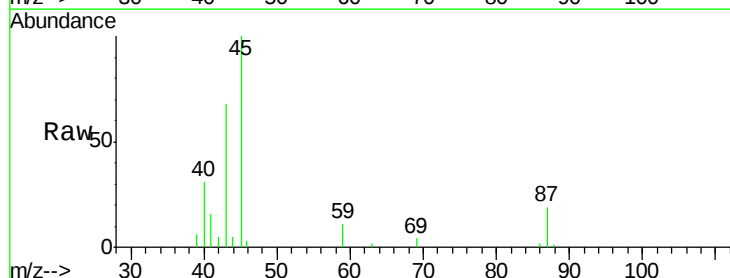
Ion Ratio Lower Upper

45 100

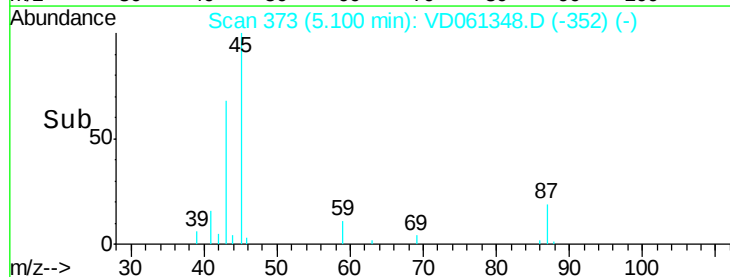
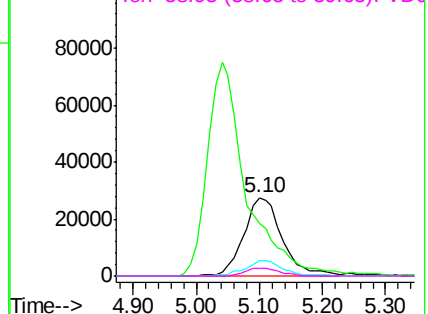
43 67.6 47.4 71.2

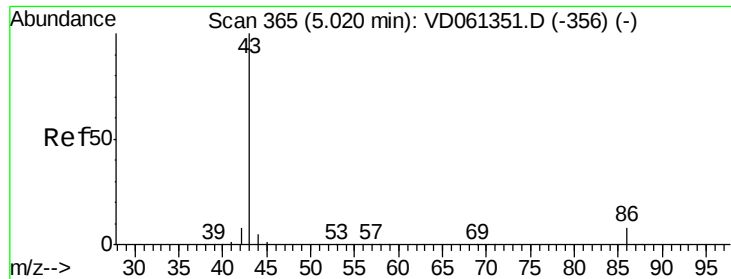
87 18.9 16.3 24.5

59 10.6 8.4 12.6



Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 25.035 ug/l

RT: 5.04 min Scan# 367

Delta R.T. 0.02 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Instrument :

MSVOA_D

ClientSampleId :

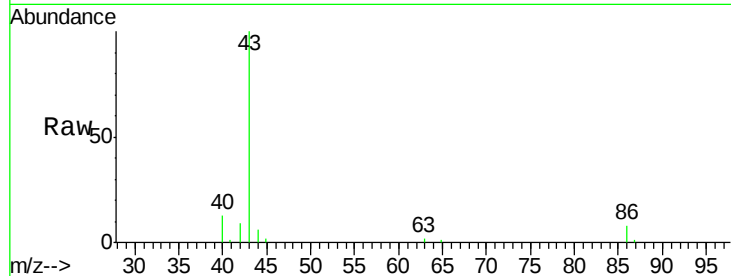
VSTDIC005

Tgt Ion: 43 Resp: 316198

Ion Ratio Lower Upper

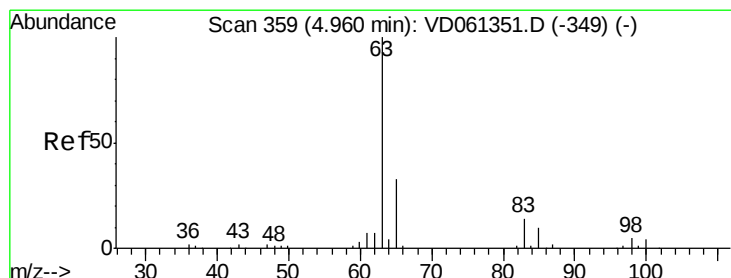
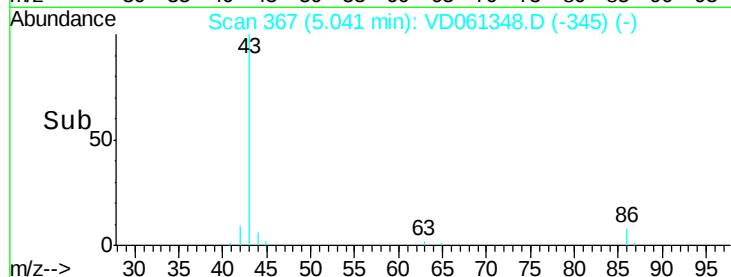
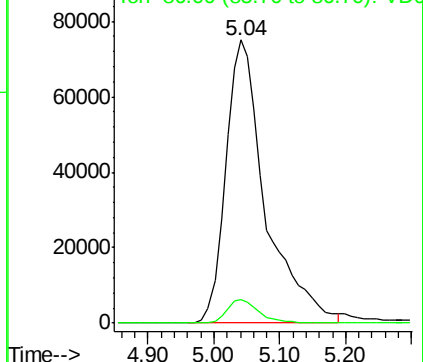
43 100

86 8.5 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 5.297 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.01 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

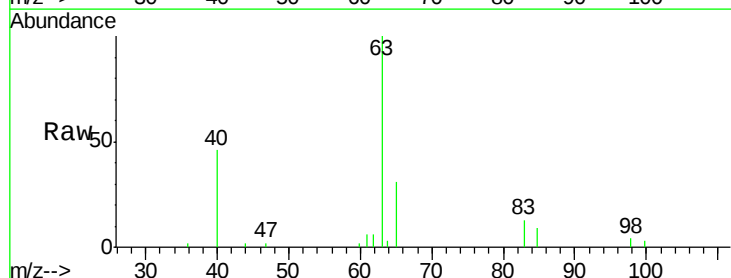
Tgt Ion: 63 Resp: 72385

Ion Ratio Lower Upper

63 100

98 4.3 2.6 8.0

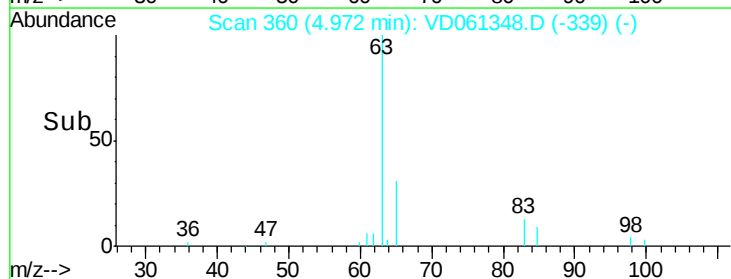
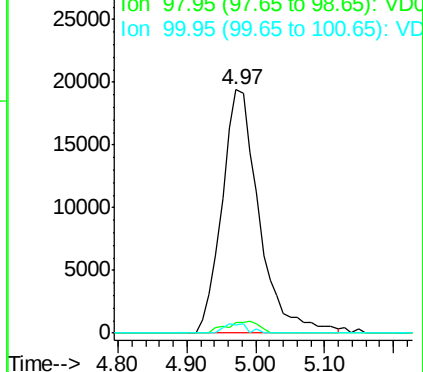
100 3.3 1.8 5.3

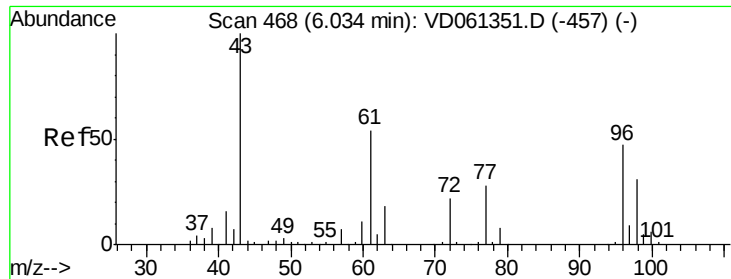


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

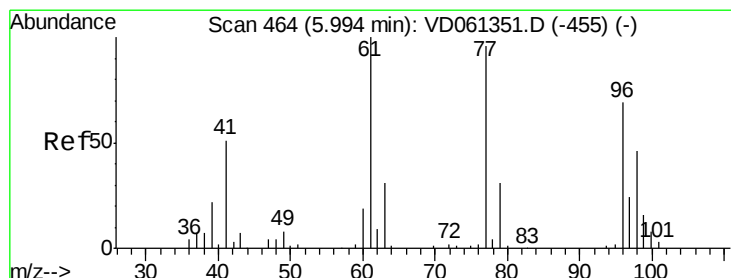
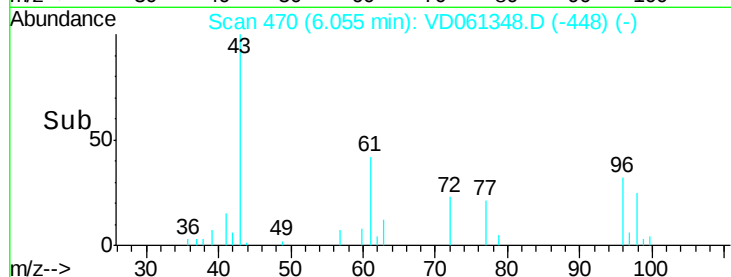
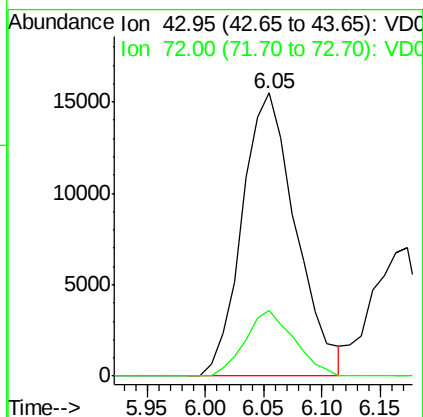
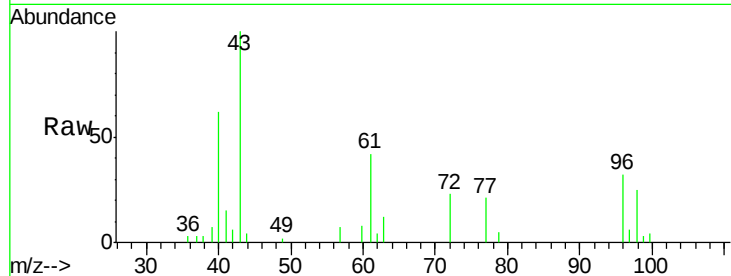




#25
2-Butanone
Concen: 24.417 ug/l
RT: 6.05 min Scan# 470
Delta R.T. 0.02 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

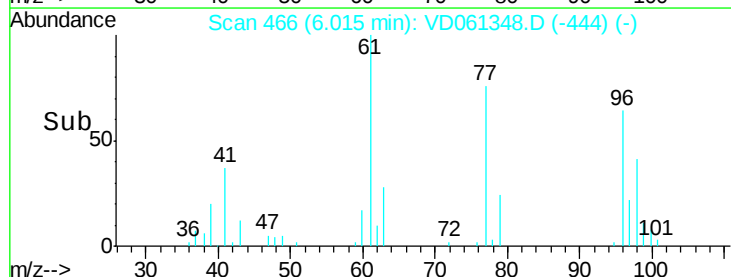
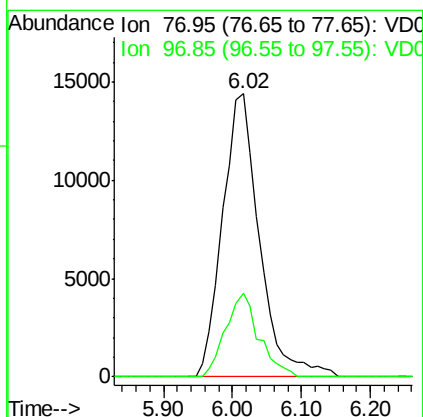
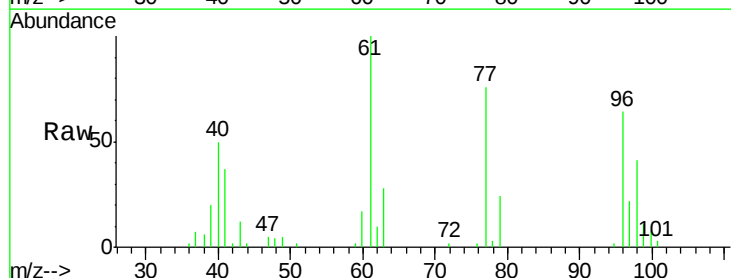
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 49504
Ion Ratio Lower Upper
43 100
72 23.1 17.2 25.8



#26
2,2-Dichloropropane
Concen: 4.918 ug/l
RT: 6.02 min Scan# 466
Delta R.T. 0.02 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

Tgt Ion: 77 Resp: 53426
Ion Ratio Lower Upper
77 100
97 29.4 12.7 38.0



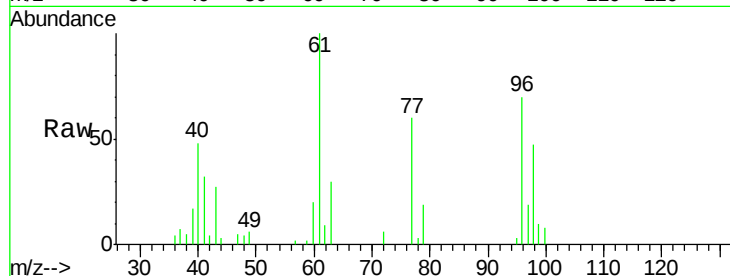


#27

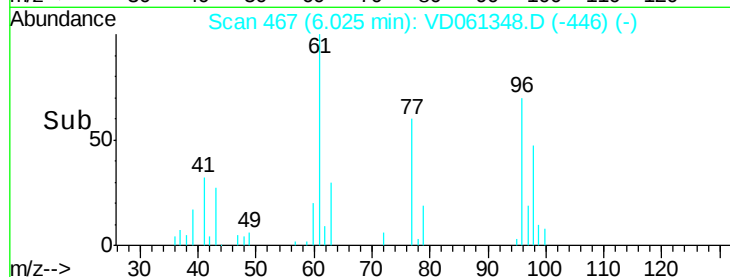
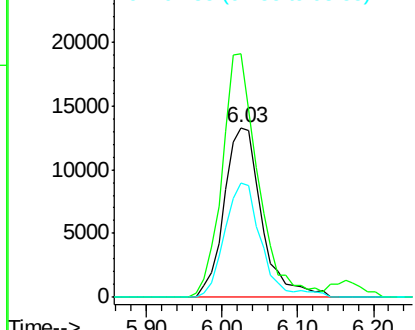
cis-1,2-Dichloroethene
Concen: 4.889 ug/l
RT: 6.03 min Scan# 467
Delta R.T. 0.01 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 96 Resp: 45561
Ion Ratio Lower Upper
96 100
61 143.6 0.0 251.6
98 67.1 0.0 129.2



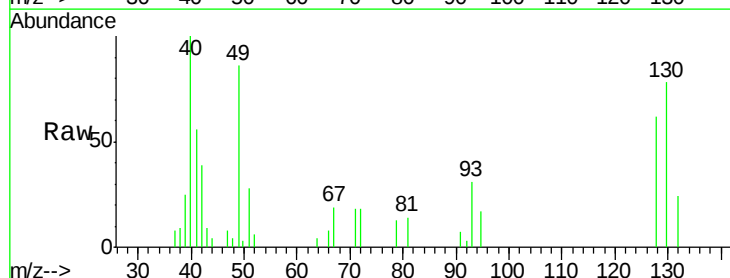
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



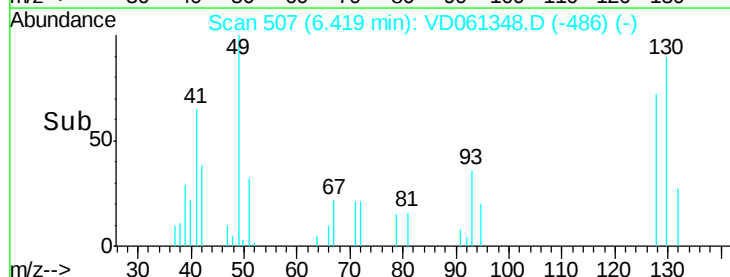
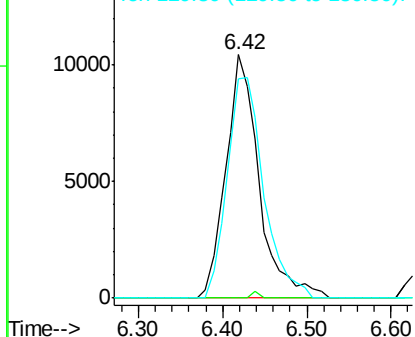
#28

Bromochloromethane
Concen: 5.192 ug/l
RT: 6.42 min Scan# 507
Delta R.T. 0.01 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

Tgt Ion: 49 Resp: 28638
Ion Ratio Lower Upper
49 100
129 0.0 0.0 0.0
130 90.1 78.4 117.6



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

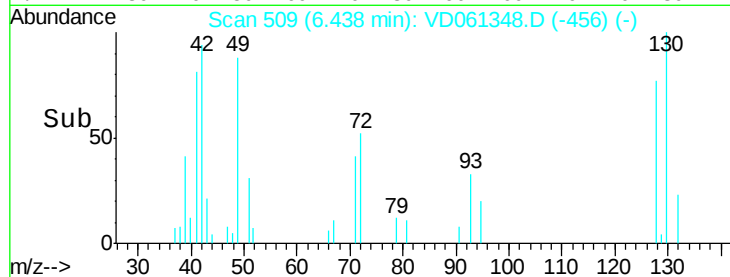
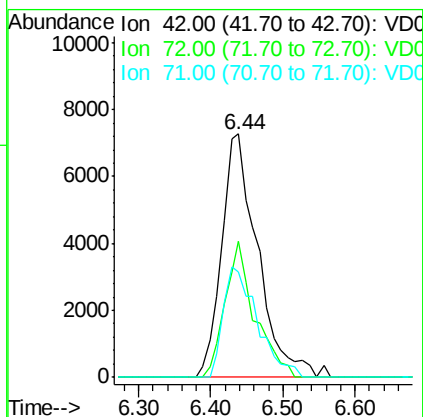
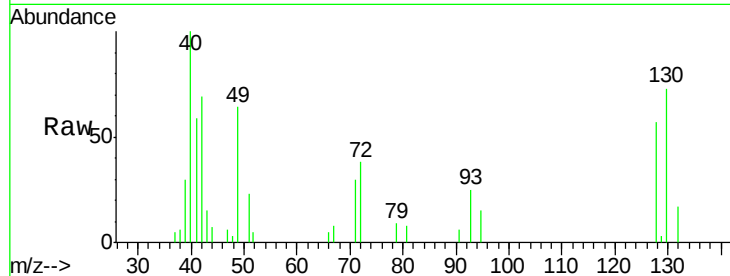




#29
Tetrahydrofuran
Concen: 25.762 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.02 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

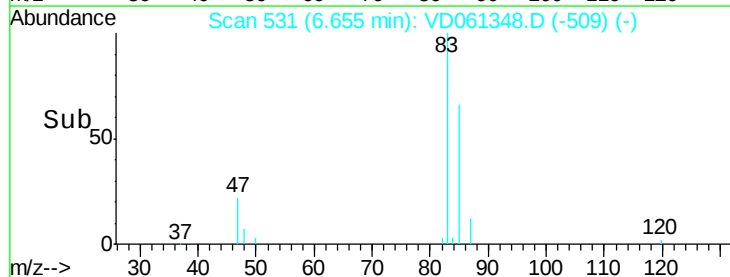
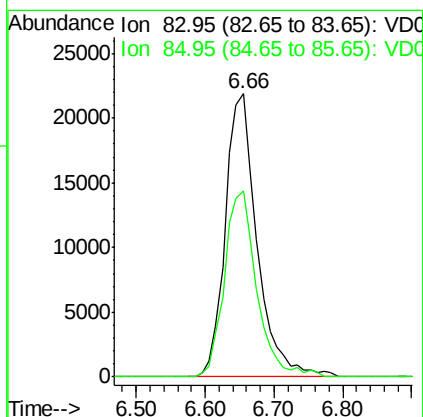
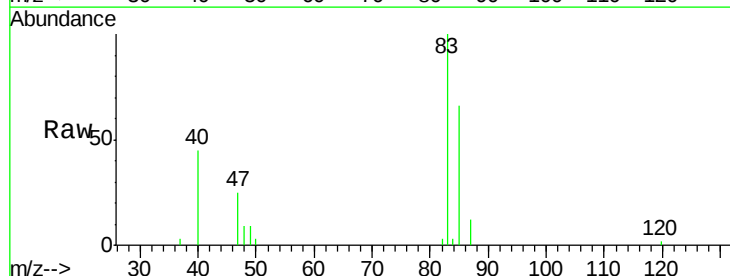
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

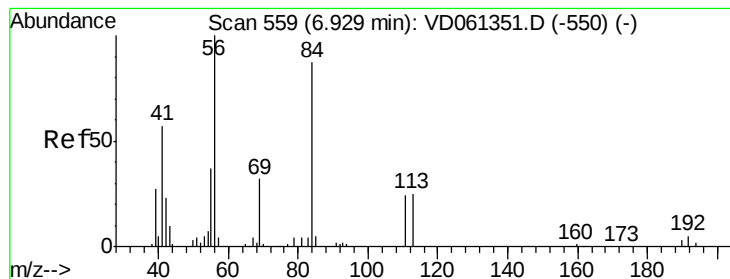
Tgt Ion: 42 Resp: 25316
Ion Ratio Lower Upper
42 100
72 45.9 37.4 56.0
71 42.6 36.7 55.1



#30
Chloroform
Concen: 4.945 ug/l
RT: 6.66 min Scan# 531
Delta R.T. 0.02 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

Tgt Ion: 83 Resp: 69823
Ion Ratio Lower Upper
83 100
85 65.9 53.0 79.4





#31

Cyclohexane

Concen: 5.055 ug/l

RT: 6.94 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

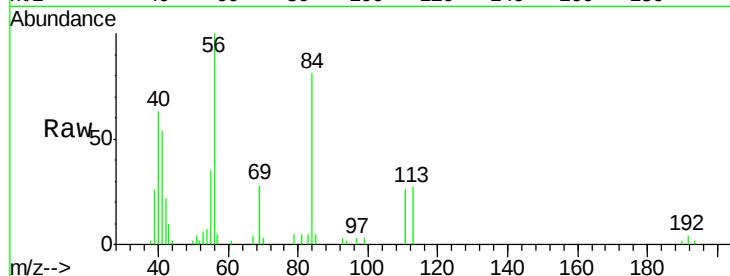
Tgt Ion: 56 Resp: 54591

Ion Ratio Lower Upper

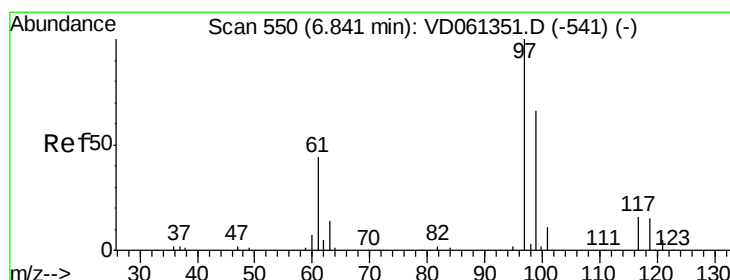
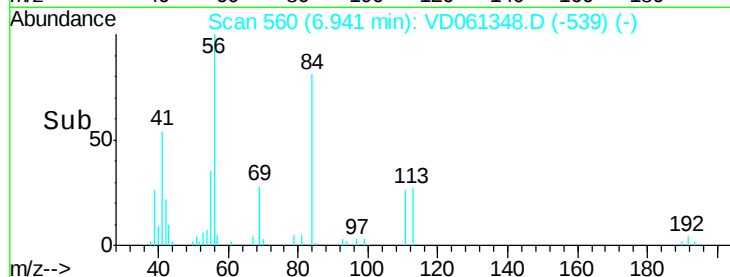
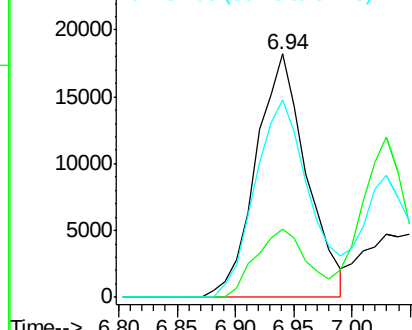
56 100

69 28.2 25.7 38.5

84 81.3 70.6 105.8



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



#32

1,1,1-Trichloroethane

Concen: 4.999 ug/l

RT: 6.85 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

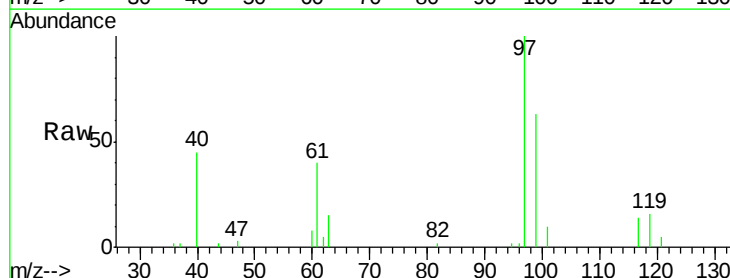
Tgt Ion: 97 Resp: 62275

Ion Ratio Lower Upper

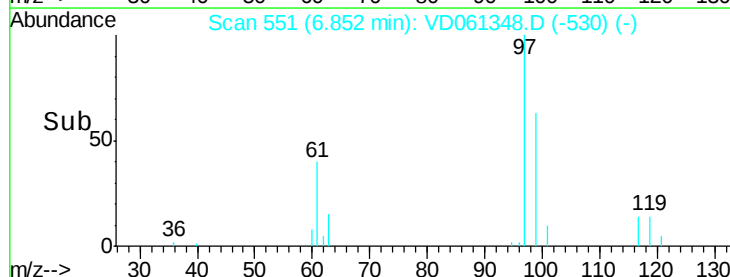
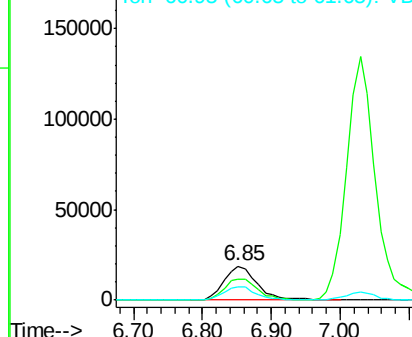
97 100

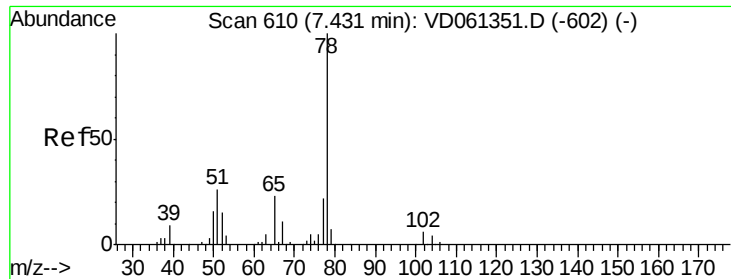
99 63.2 53.1 79.7

61 40.4 35.5 53.3



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





#33

1,2-Dichloroethane-d4

Concen: 4.999 ug/l

RT: 7.43 min Scan# 610

Delta R.T. 0.00 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Instrument :

MSVOA_D

ClientSampleId :

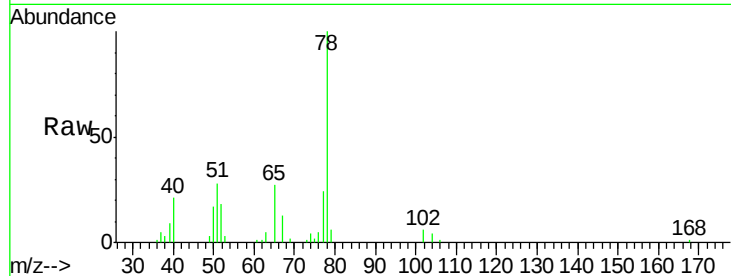
VSTDIC005

Tgt Ion: 65 Resp: 36670

Ion Ratio Lower Upper

65 100

67 48.7 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

7.43

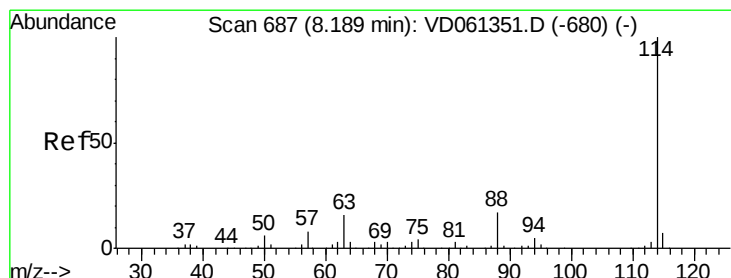
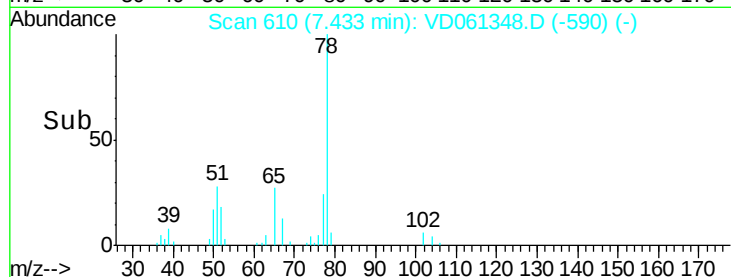
15000

10000

5000

0

Time--> 7.30 7.40 7.50



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 688

Delta R.T. 0.01 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

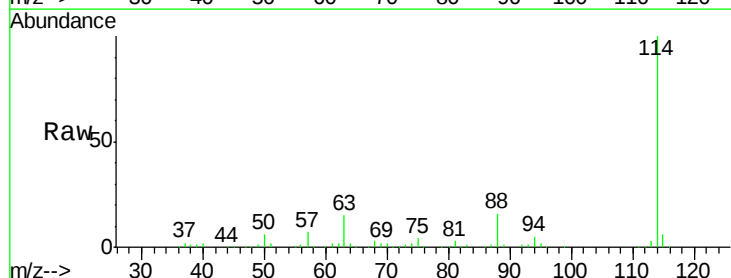
Tgt Ion: 114 Resp: 1235883

Ion Ratio Lower Upper

114 100

63 15.0 0.0 31.6

88 16.0 0.0 33.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.20

600000

500000

400000

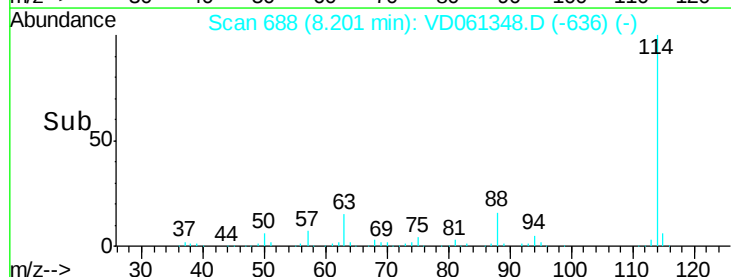
300000

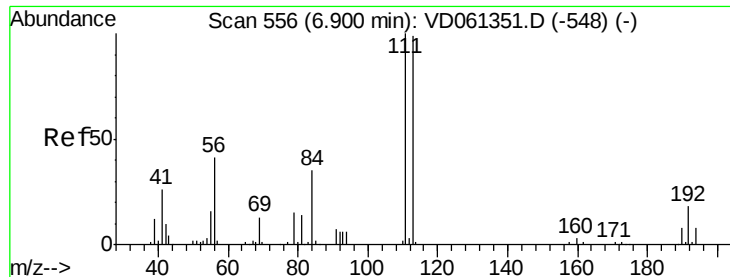
200000

100000

0

Time--> 8.00 8.20 8.40 8.60





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.01 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

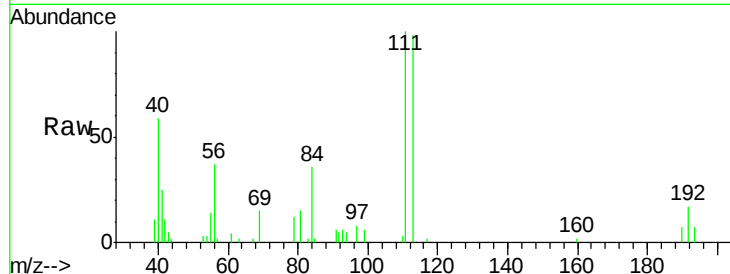
Tgt Ion:113 Resp: 48946

Ion Ratio Lower Upper

113 100

111 101.8 81.0 121.6

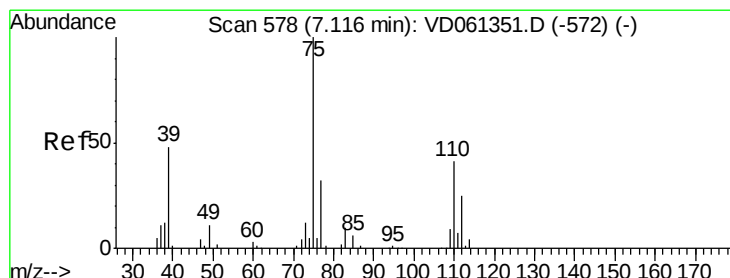
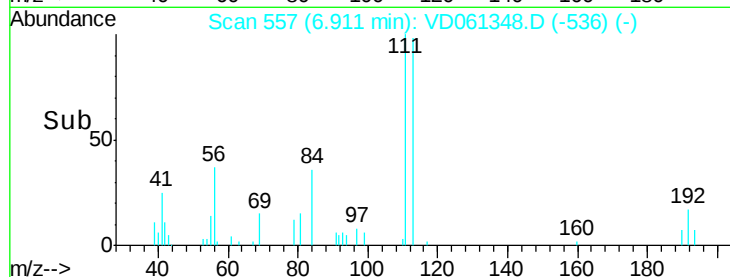
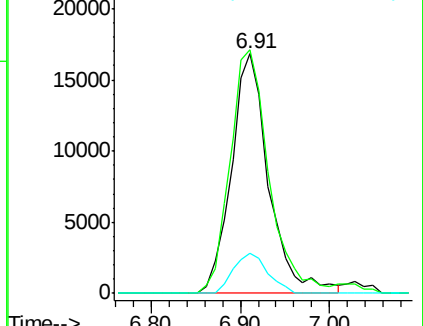
192 17.0 14.4 21.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 5.915 ug/l

RT: 7.13 min Scan# 579

Delta R.T. 0.01 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

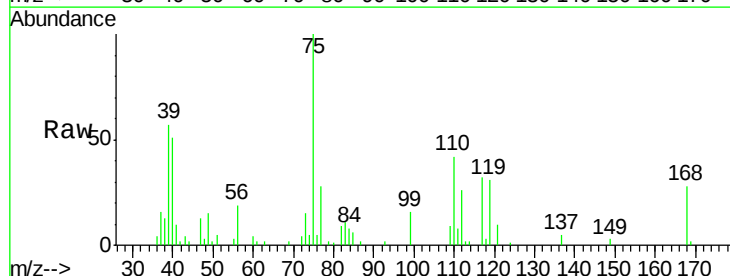
Tgt Ion: 75 Resp: 63805

Ion Ratio Lower Upper

75 100

110 41.5 20.4 61.3

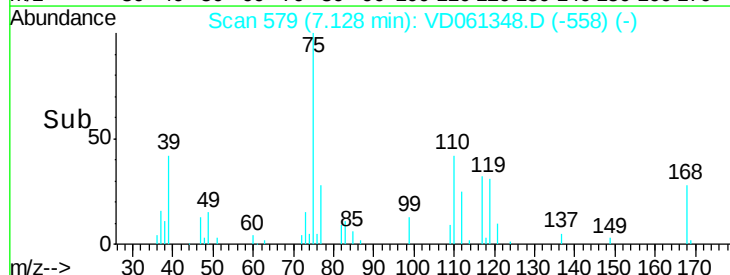
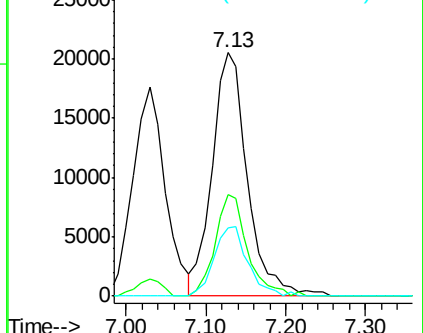
77 28.1 24.9 37.3

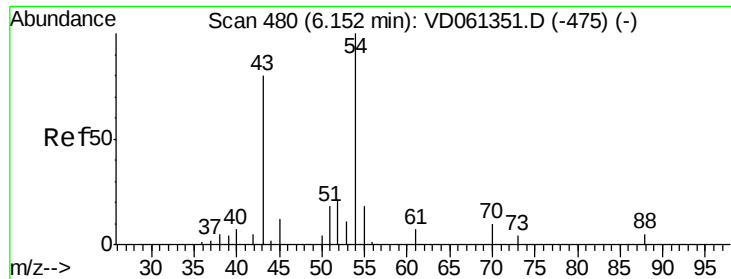


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

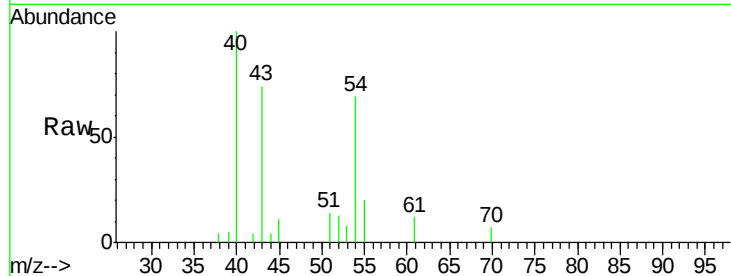




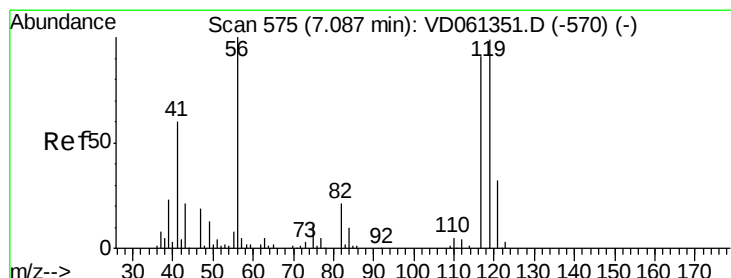
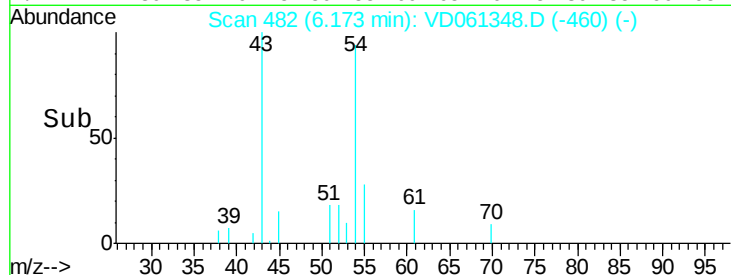
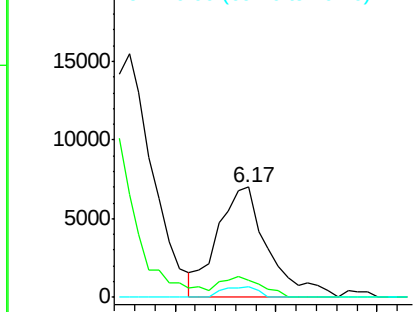
#37
Ethyl Acetate
Concen: 5.298 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.02 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 24440
Ion Ratio Lower Upper
43 100
61 15.8 13.8 20.8
70 9.2 7.8 11.8

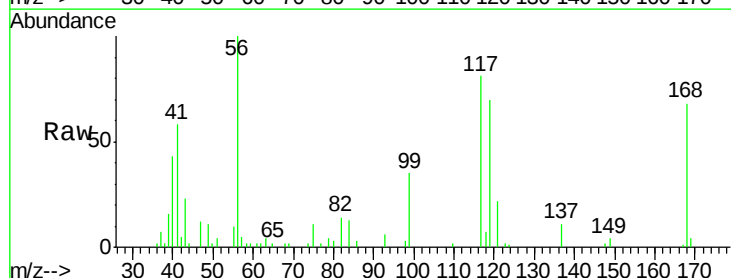


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

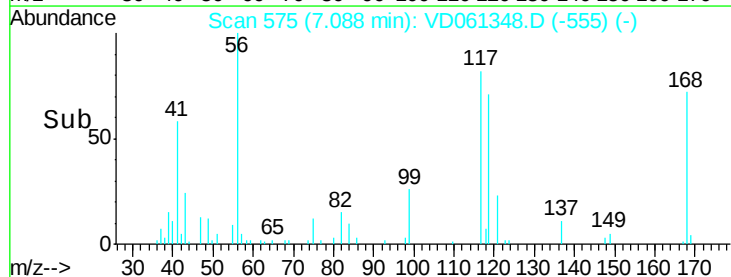
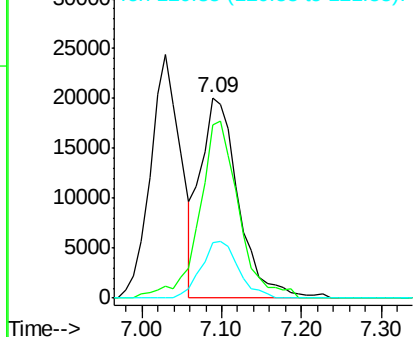


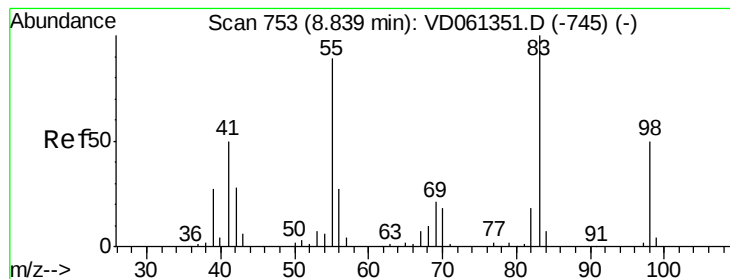
#38
Carbon Tetrachloride
Concen: 5.436 ug/l
RT: 7.09 min Scan# 575
Delta R.T. 0.00 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

Tgt Ion: 117 Resp: 66757
Ion Ratio Lower Upper
117 100
119 86.6 80.1 120.1
121 27.6 25.6 38.4



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 118.85 (118.55 to 119.55): V
Ion 120.85 (120.55 to 121.55): V





#39

Methylcyclohexane

Concen: 5.564 ug/l

RT: 8.84 min Scan# 753

Delta R.T. 0.00 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

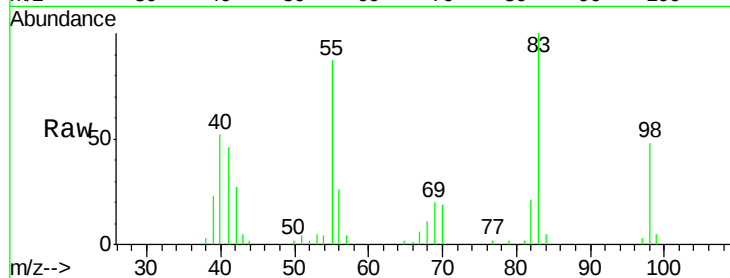
Tgt Ion: 83 Resp: 62503

Ion Ratio Lower Upper

83 100

55 86.5 71.5 107.3

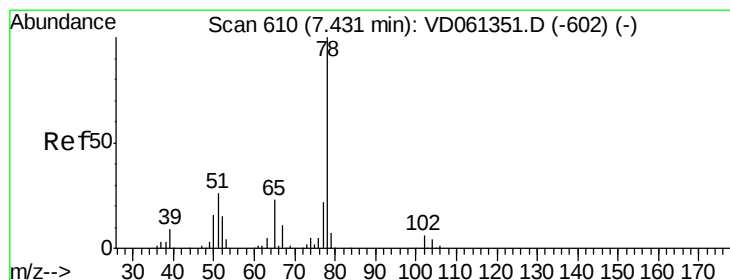
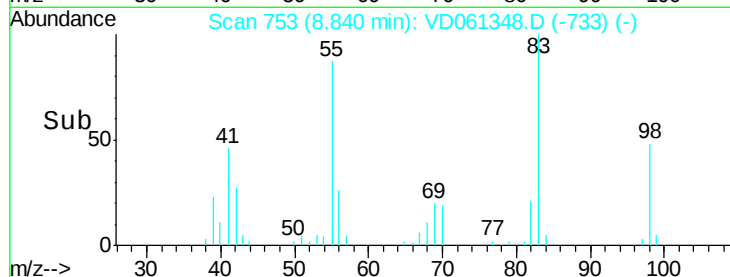
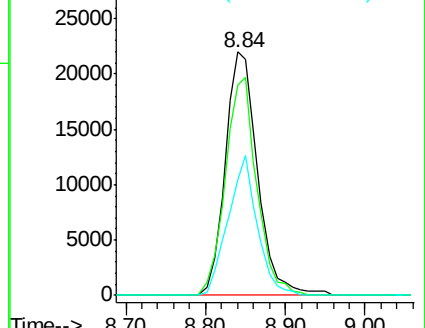
98 47.5 40.3 60.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 5.453 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD061348.D

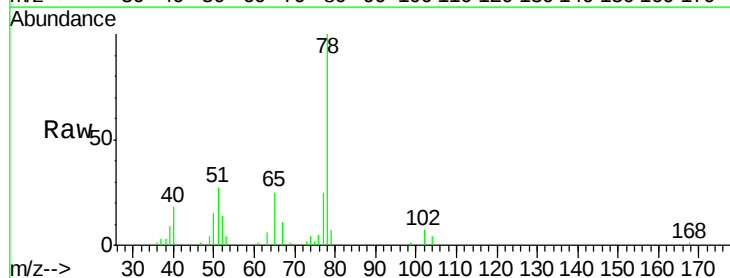
Acq: 27 Mar 2019 11:44

Tgt Ion: 78 Resp: 147610

Ion Ratio Lower Upper

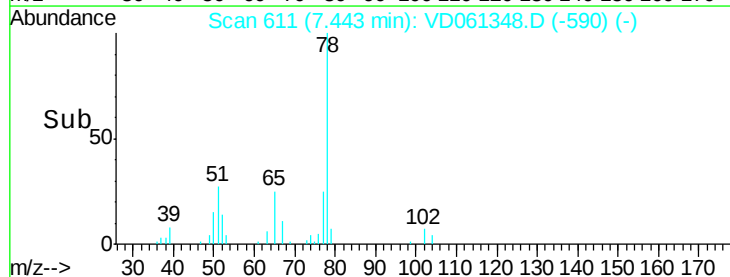
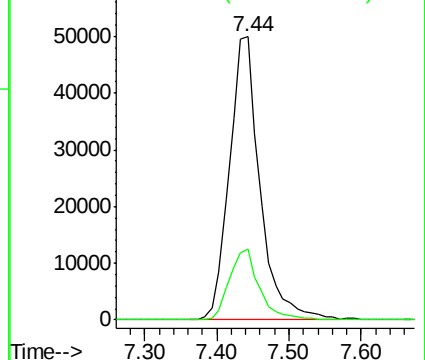
78 100

77 25.1 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 5.213 ug/l

RT: 6.42 min Scan# 507

Delta R.T. 0.00 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 41 Resp: 28119

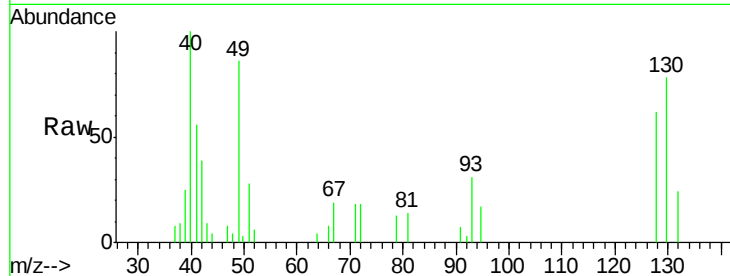
Ion Ratio Lower Upper

41 100

39 43.6 35.0 52.6

67 33.9 21.0 31.6#

52 10.9 7.7 11.5

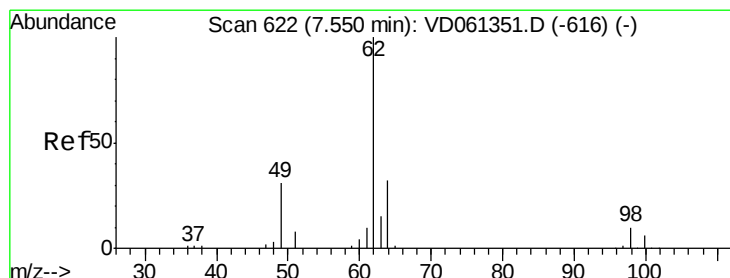
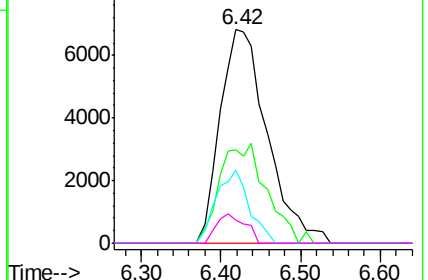
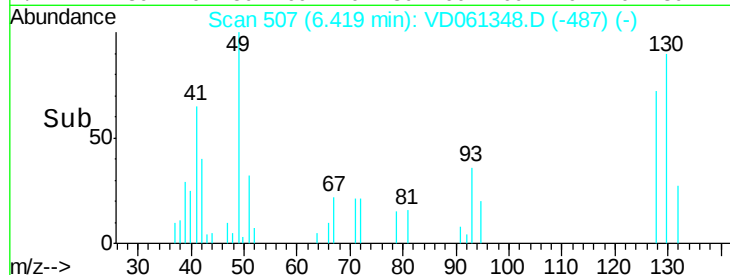


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 5.021 ug/l

RT: 7.56 min Scan# 623

Delta R.T. 0.01 min

Lab File: VD061348.D

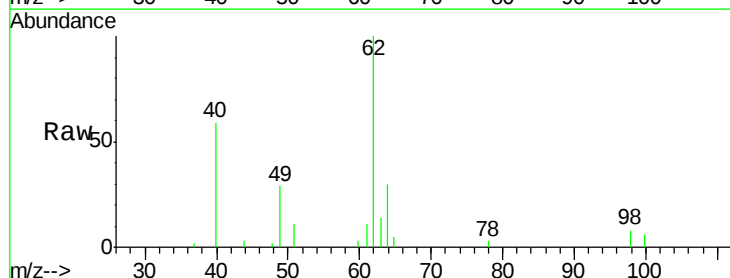
Acq: 27 Mar 2019 11:44

Tgt Ion: 62 Resp: 40660

Ion Ratio Lower Upper

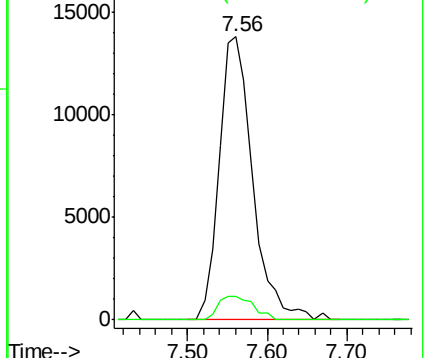
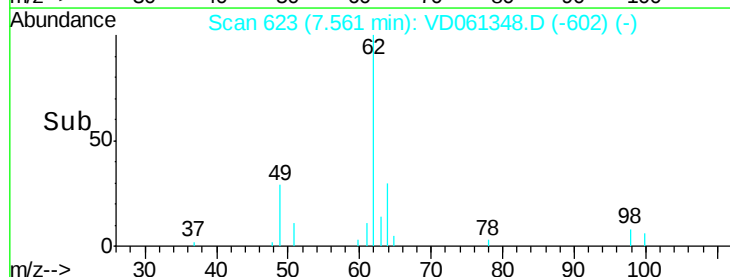
62 100

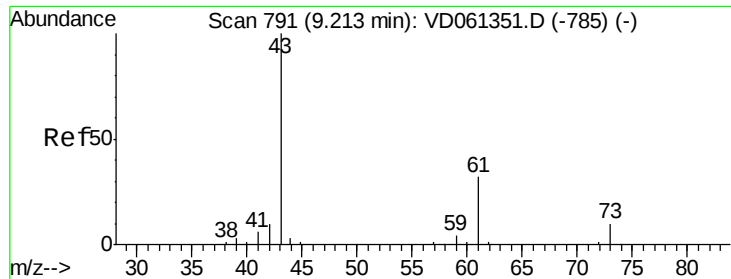
98 8.1 0.0 19.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 4.879 ug/l

RT: 9.21 min Scan# 791

Delta R.T. 0.00 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

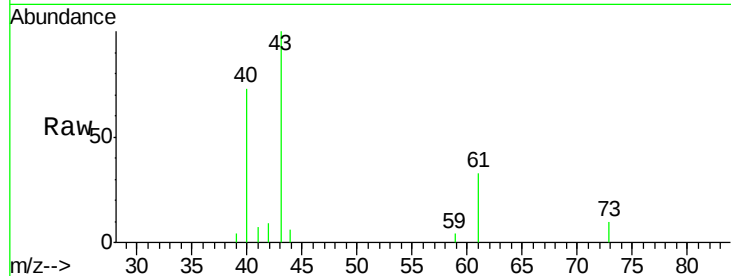
Tgt Ion: 43 Resp: 32751

Ion Ratio Lower Upper

43 100

61 33.2 25.8 38.6

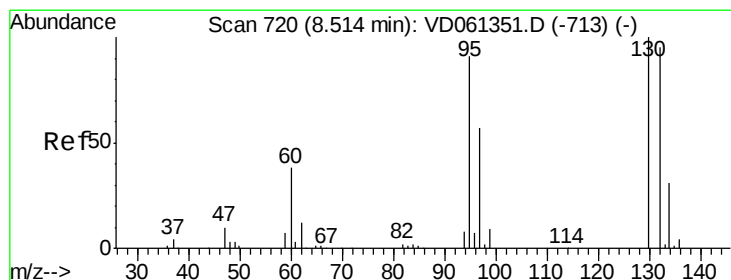
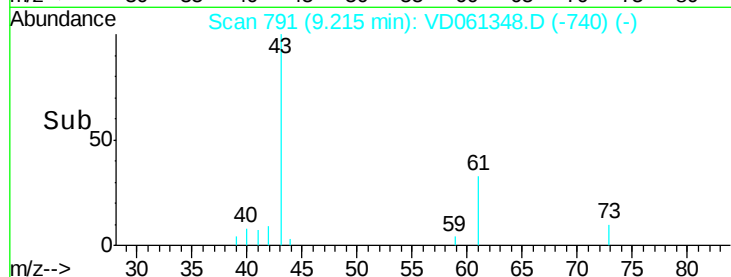
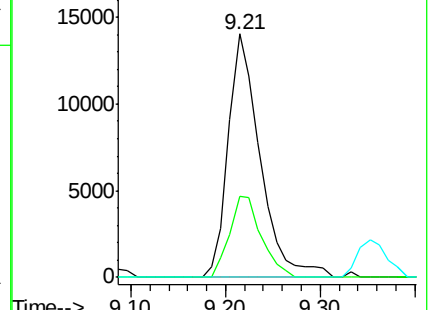
87 0.0 0.0 0.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 5.275 ug/l

RT: 8.52 min Scan# 720

Delta R.T. 0.00 min

Lab File: VD061348.D

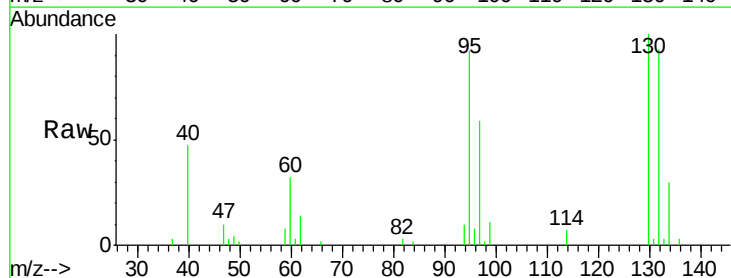
Acq: 27 Mar 2019 11:44

Tgt Ion: 130 Resp: 53147

Ion Ratio Lower Upper

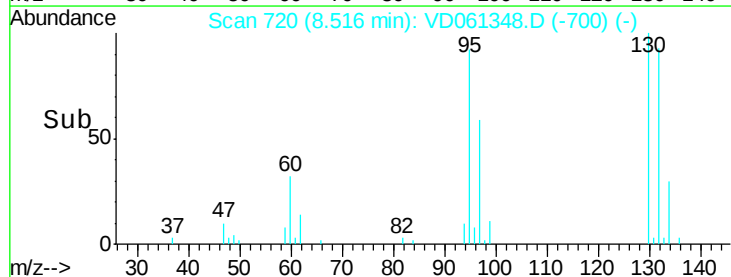
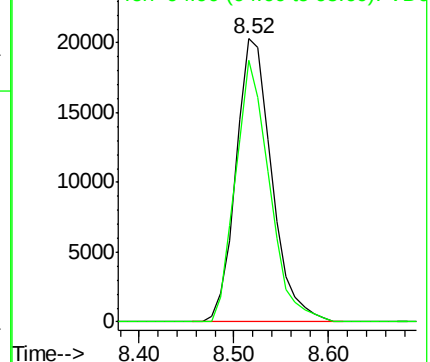
130 100

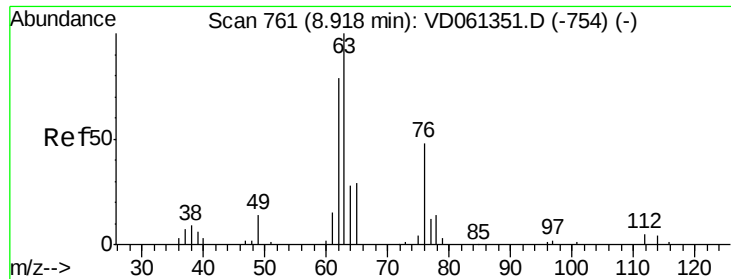
95 92.2 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): VDC

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 4.766 ug/l

RT: 8.92 min Scan# 761

Delta R.T. 0.00 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Instrument :

MSVOA_D

ClientSampleId :

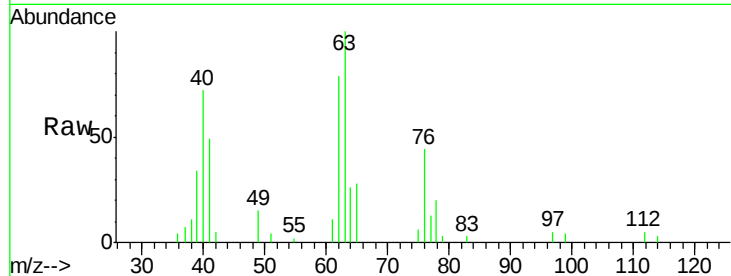
VSTDIC005

Tgt Ion: 63 Resp: 32716

Ion Ratio Lower Upper

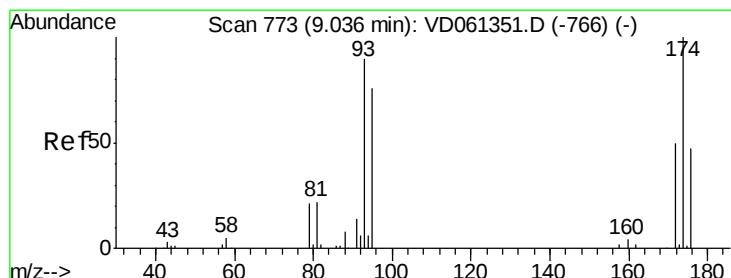
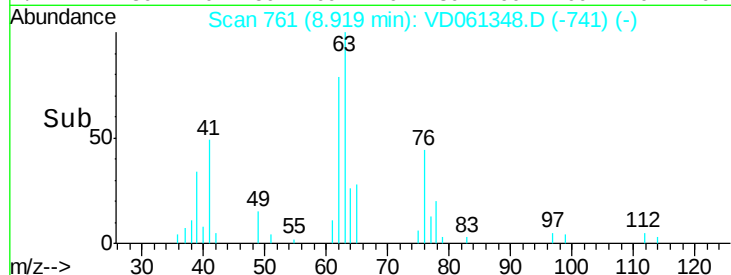
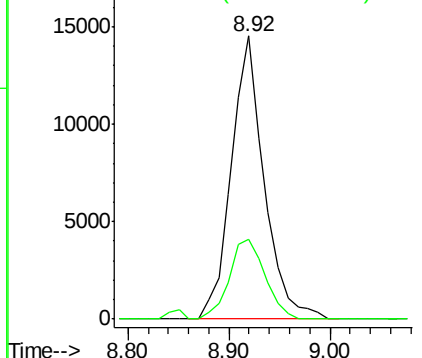
63 100

65 28.2 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 4.912 ug/l

RT: 9.05 min Scan# 774

Delta R.T. 0.01 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

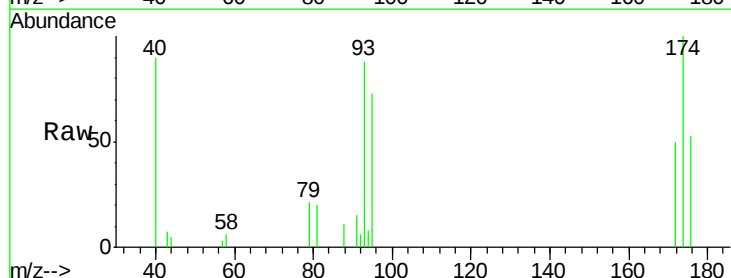
Tgt Ion: 93 Resp: 22693

Ion Ratio Lower Upper

93 100

95 83.1 67.4 101.0

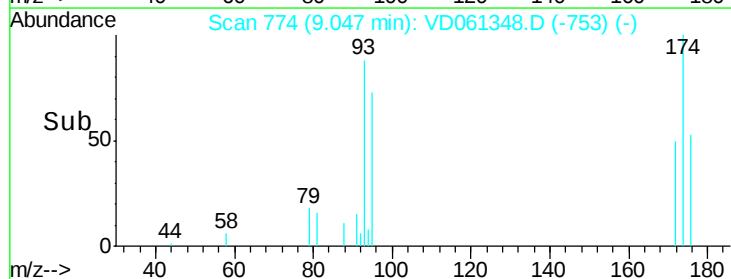
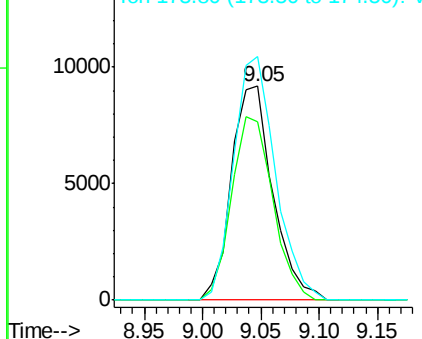
174 113.8 88.9 133.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 4.932 ug/l

RT: 9.35 min Scan# 805

Delta R.T. 0.00 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

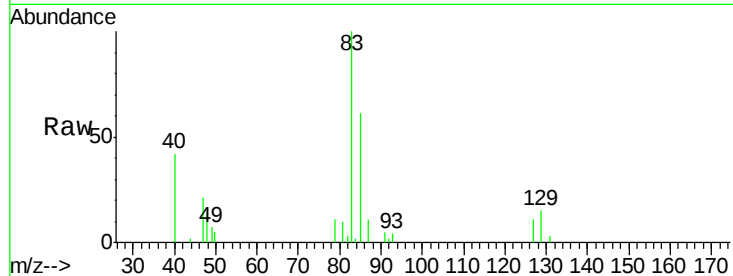
Tgt Ion: 83 Resp: 51141

Ion Ratio Lower Upper

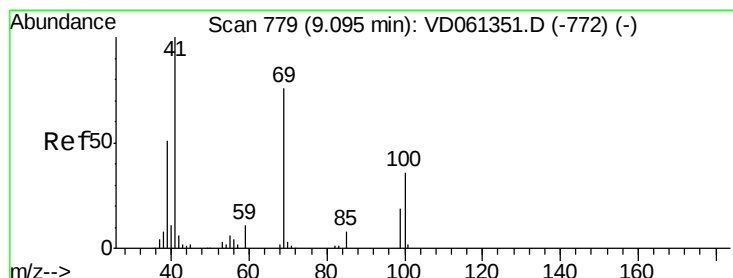
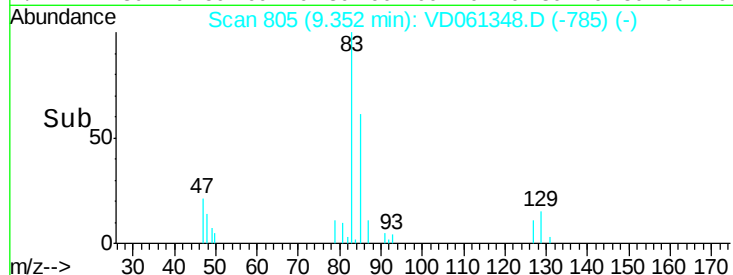
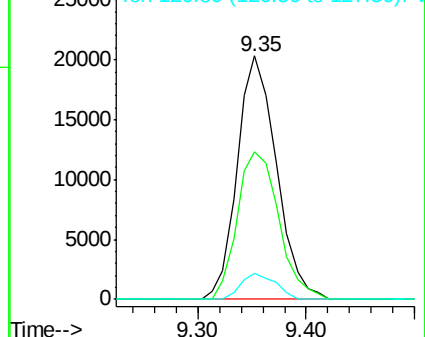
83 100

85 60.8 53.0 79.4

127 10.7 8.4 12.6



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



#48

Methyl methacrylate

Concen: 4.989 ug/l

RT: 9.10 min Scan# 779

Delta R.T. 0.00 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

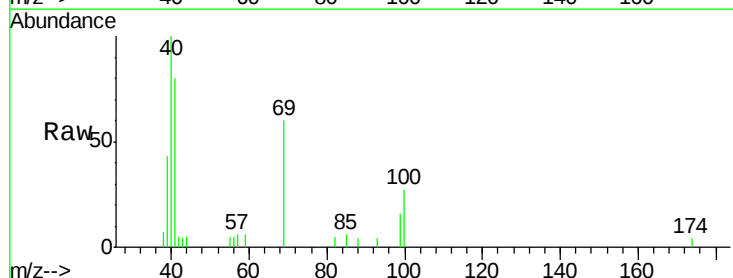
Tgt Ion: 41 Resp: 18481

Ion Ratio Lower Upper

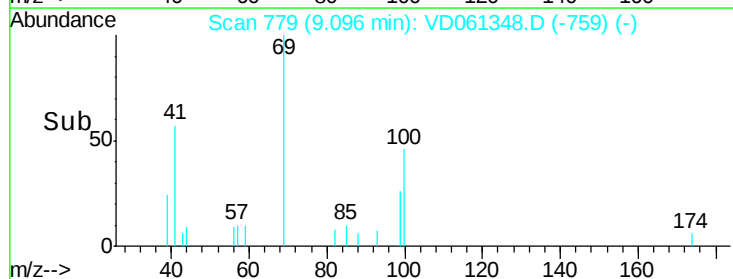
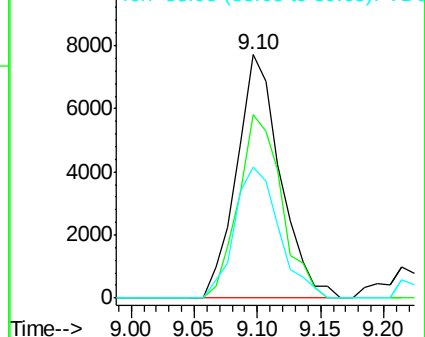
41 100

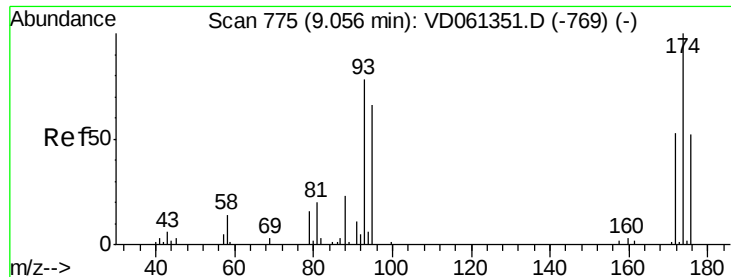
69 75.5 60.2 90.4

39 54.0 41.4 62.2



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

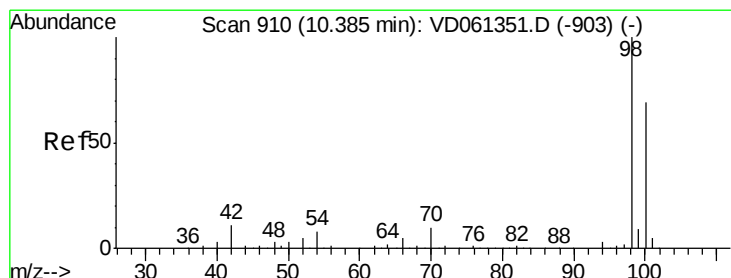
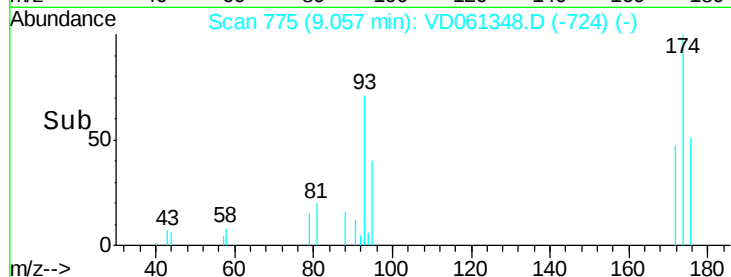
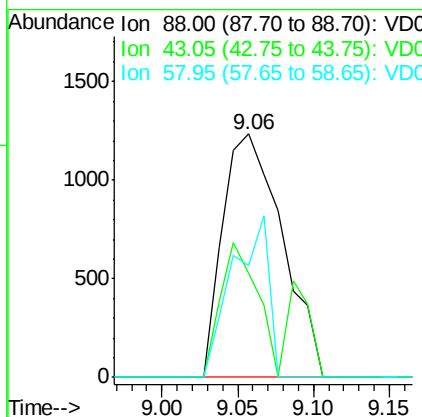
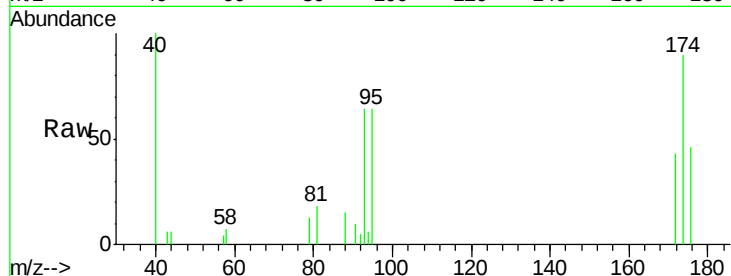




#49
 1,4-Dioxane
 Concen: 82.677 ug/l
 RT: 9.06 min Scan# 775
 Delta R.T. 0.00 min
 Lab File: VD061348.D
 Acq: 27 Mar 2019 11:44

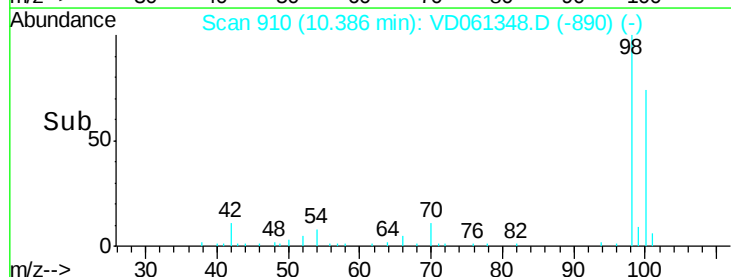
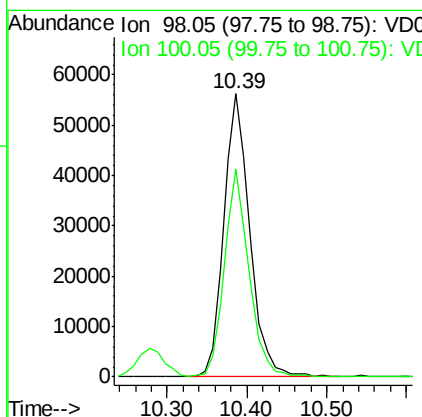
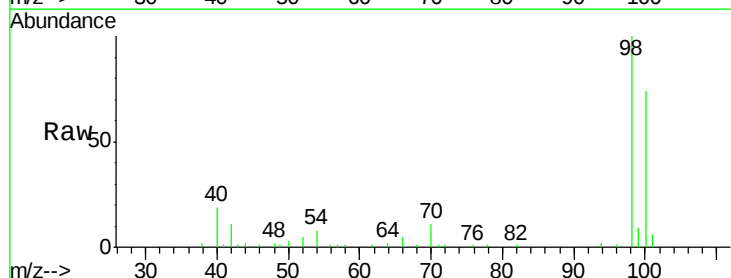
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

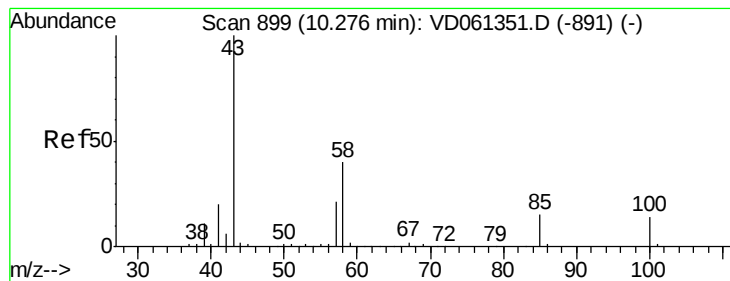
Tgt Ion: 88 Resp: 3378
 Ion Ratio Lower Upper
 88 100
 43 42.8 23.3 34.9#
 58 45.7 50.8 76.2#



#50
 Toluene-d8
 Concen: 82.677 ug/l
 RT: 10.39 min Scan# 910
 Delta R.T. 0.00 min
 Lab File: VD061348.D
 Acq: 27 Mar 2019 11:44

Tgt Ion: 98 Resp: 128707
 Ion Ratio Lower Upper
 98 100
 100 73.6 56.2 84.2





#51

4-Methyl-2-Pentanone

Concen: 25.977 ug/l

RT: 10.28 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Instrument :

MSVOA_D

ClientSampleId :

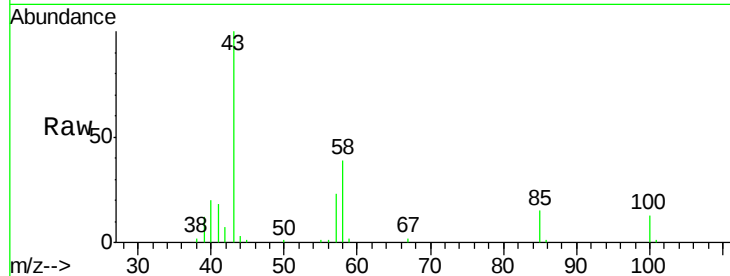
VSTDIC005

Tgt Ion: 43 Resp: 106076

Ion Ratio Lower Upper

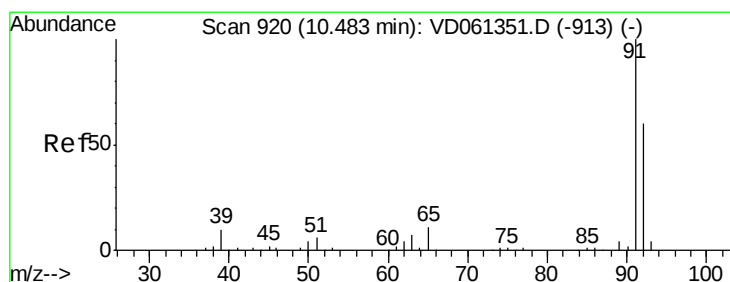
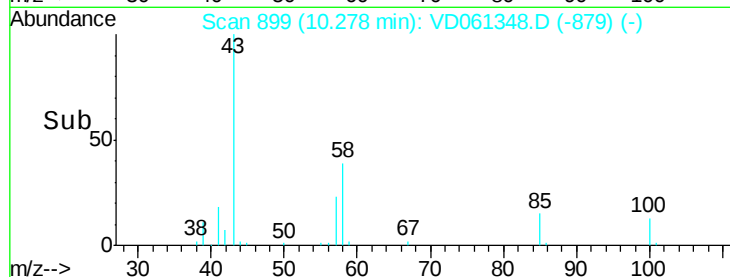
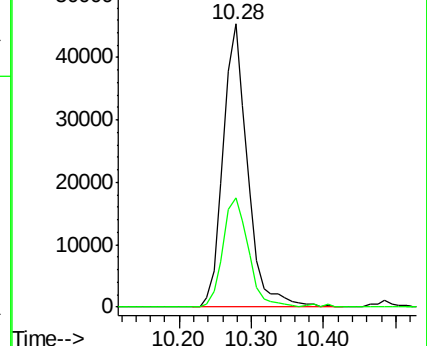
43 100

58 38.8 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 5.790 ug/l

RT: 10.48 min Scan# 920

Delta R.T. 0.00 min

Lab File: VD061348.D

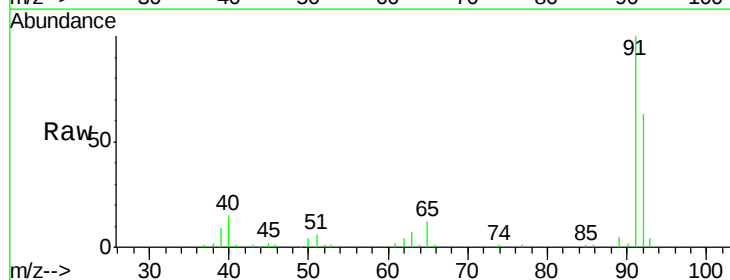
Acq: 27 Mar 2019 11:44

Tgt Ion: 92 Resp: 95632

Ion Ratio Lower Upper

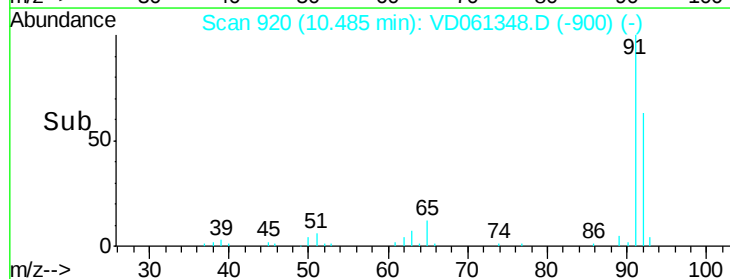
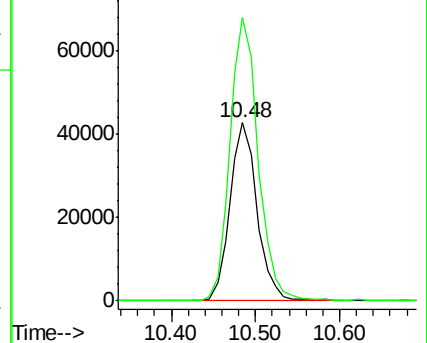
92 100

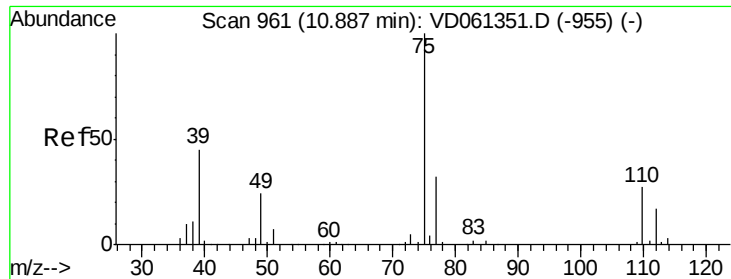
91 159.0 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

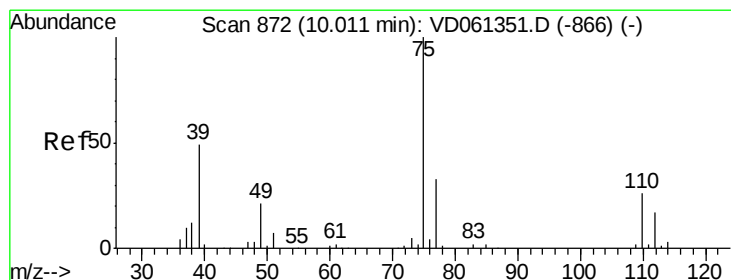
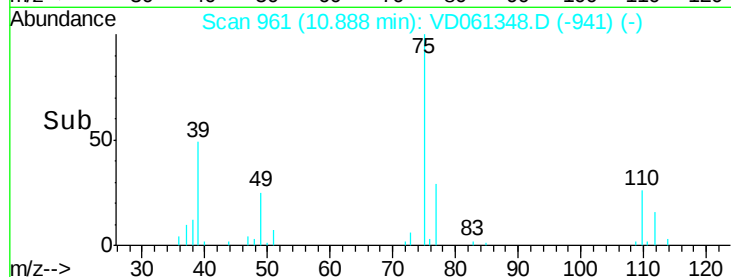
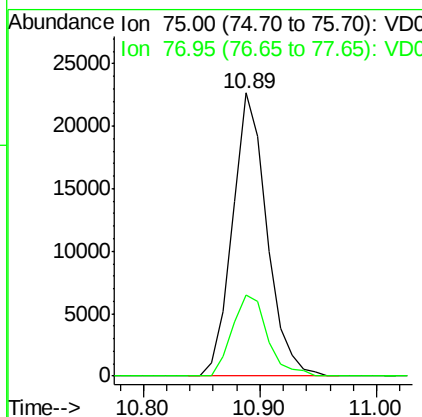
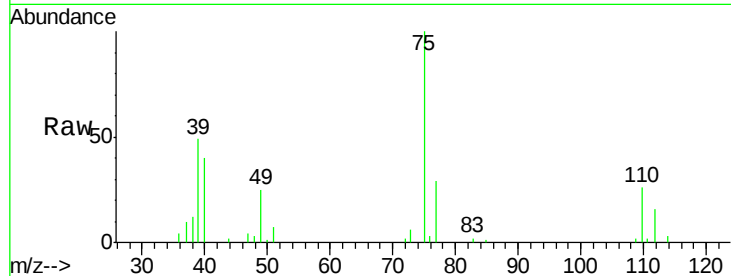




#53
 t-1,3-Dichloropropene
 Concen: 4.922 ug/l
 RT: 10.89 min Scan# 961
 Delta R.T. 0.00 min
 Lab File: VD061348.D
 Acq: 27 Mar 2019 11:44

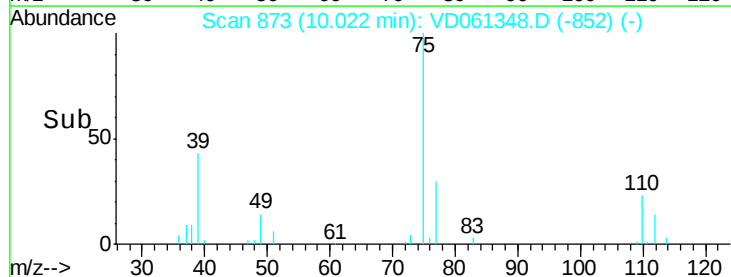
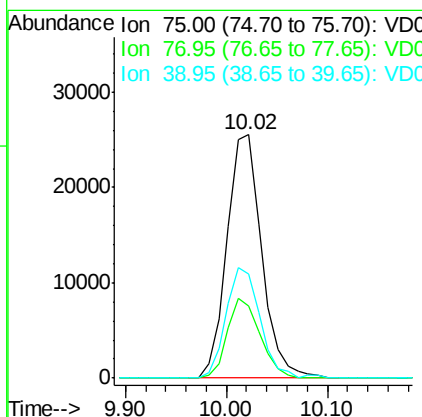
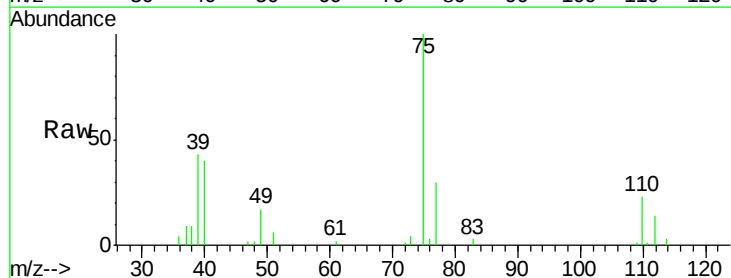
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

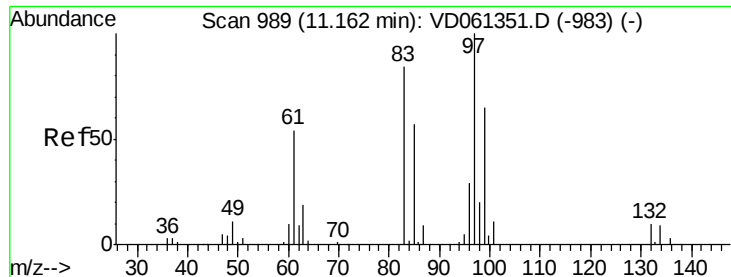
Tgt Ion: 75 Resp: 46376
 Ion Ratio Lower Upper
 75 100
 77 28.8 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 5.343 ug/l
 RT: 10.02 min Scan# 873
 Delta R.T. 0.01 min
 Lab File: VD061348.D
 Acq: 27 Mar 2019 11:44

Tgt Ion: 75 Resp: 61292
 Ion Ratio Lower Upper
 75 100
 77 29.6 26.2 39.4
 39 42.9 39.4 59.0





#55

1,1,2-Trichloroethane

Concen: 5.515 ug/l

RT: 11.16 min Scan# 989

Delta R.T. 0.00 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 31852

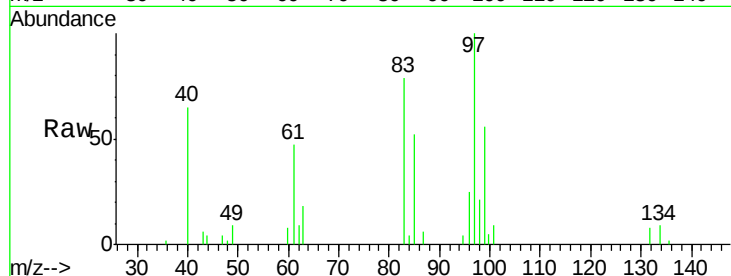
Ion Ratio Lower Upper

97 100

83 78.5 67.0 100.6

85 52.5 45.4 68.2

99 55.6 51.9 77.9

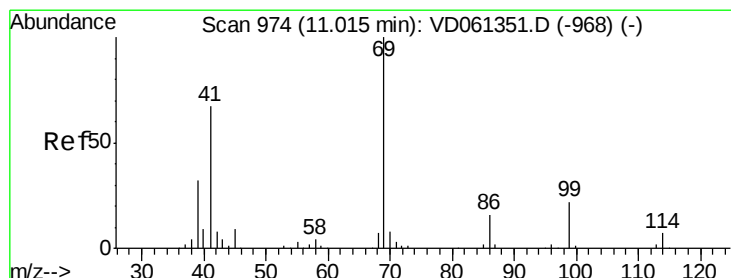
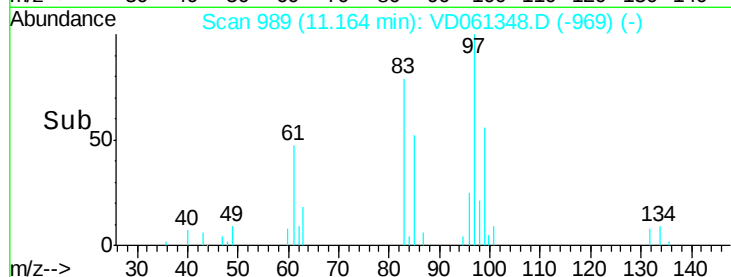
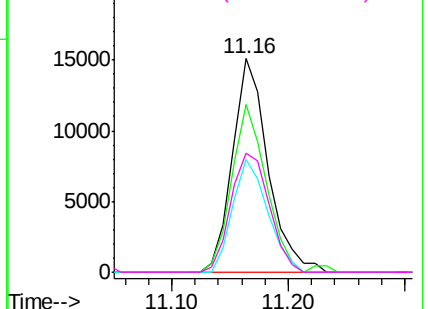


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 4.622 ug/l

RT: 11.02 min Scan# 974

Delta R.T. 0.00 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

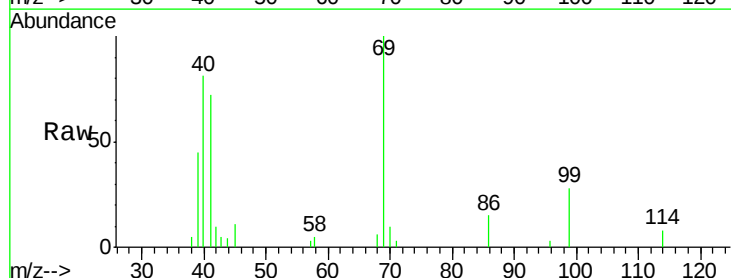
Tgt Ion: 69 Resp: 28677

Ion Ratio Lower Upper

69 100

41 71.6 53.8 80.6

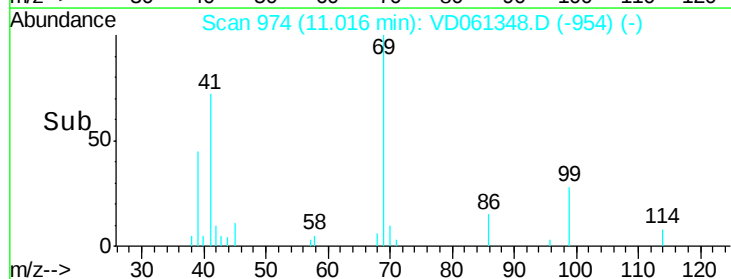
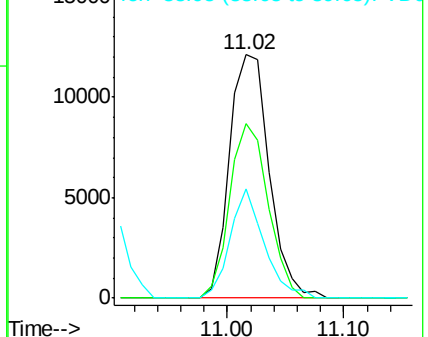
39 45.0 26.4 39.6#

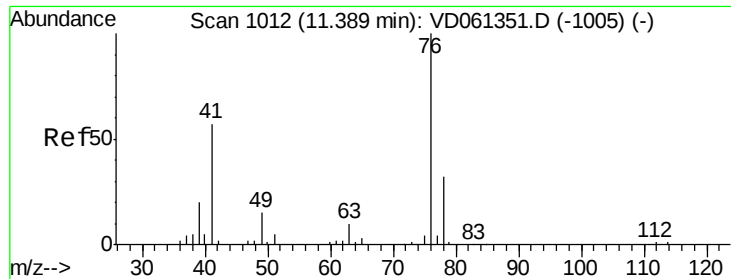


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

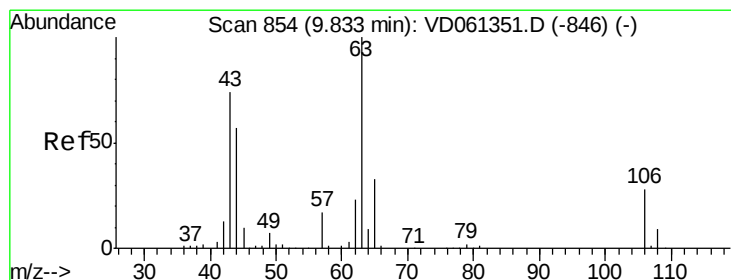
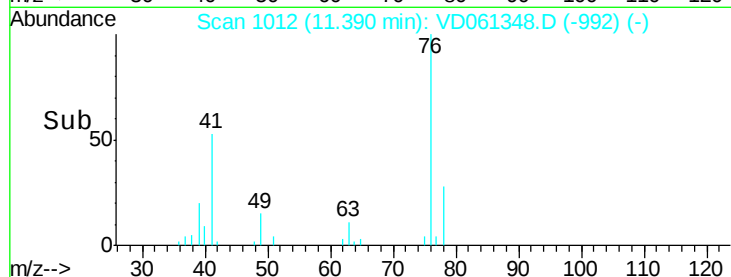
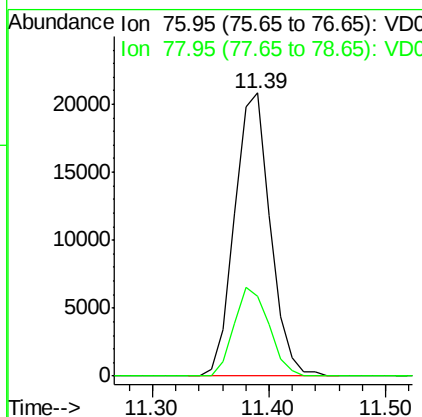
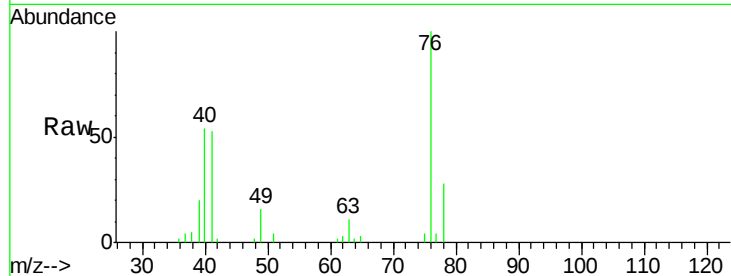




#57
 1,3-Dichloropropane
 Concen: 5.205 ug/l
 RT: 11.39 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VD061348.D
 Acq: 27 Mar 2019 11:44

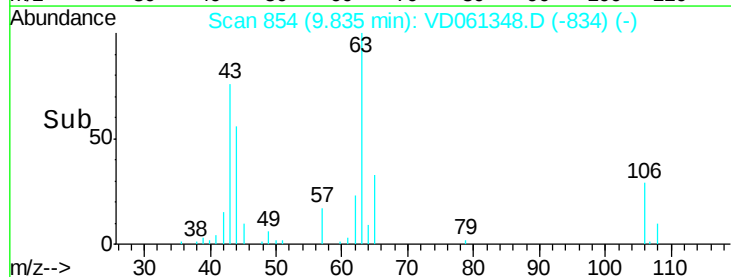
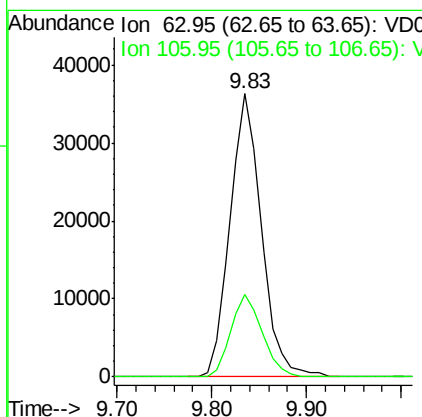
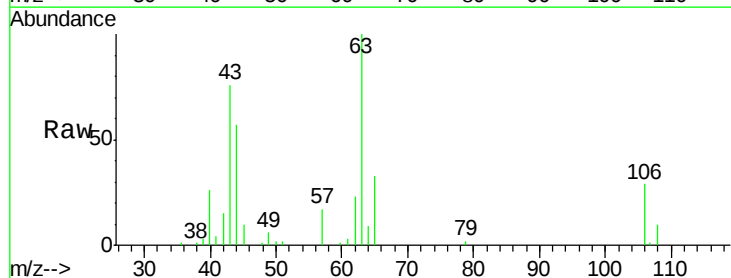
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

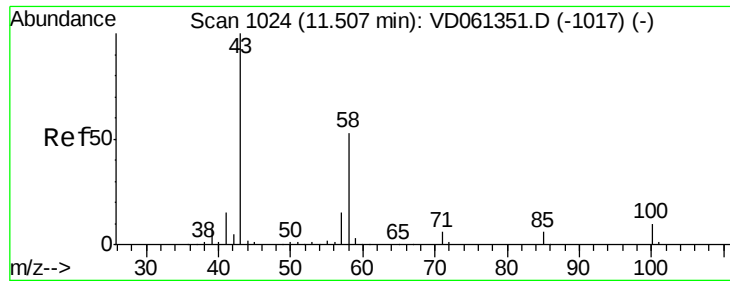
Tgt Ion: 76 Resp: 44185
 Ion Ratio Lower Upper
 76 100
 78 28.0 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 27.561 ug/l
 RT: 9.83 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: VD061348.D
 Acq: 27 Mar 2019 11:44

Tgt Ion: 63 Resp: 83281
 Ion Ratio Lower Upper
 63 100
 106 28.9 22.4 33.6

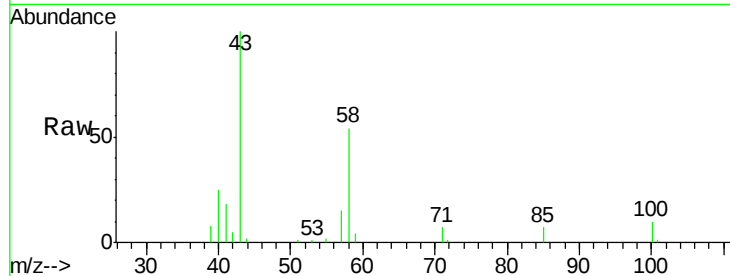




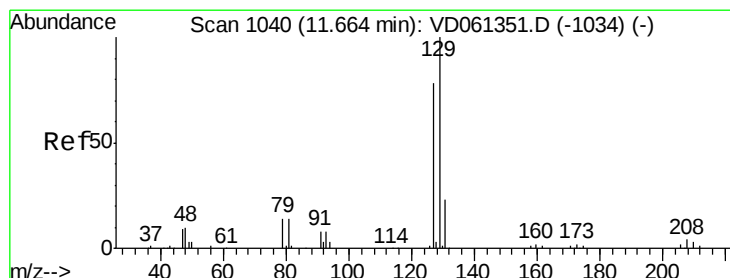
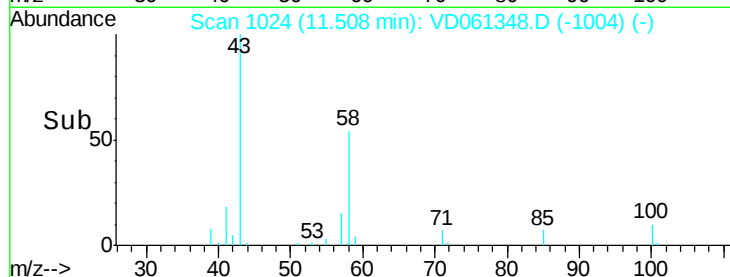
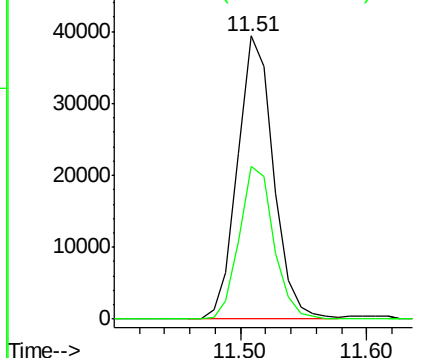
#59
2-Hexanone
Concen: 26.224 ug/l
RT: 11.51 min Scan# 1024
Delta R.T. 0.00 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 43 Resp: 77586
Ion Ratio Lower Upper
43 100
58 53.9 26.3 78.9

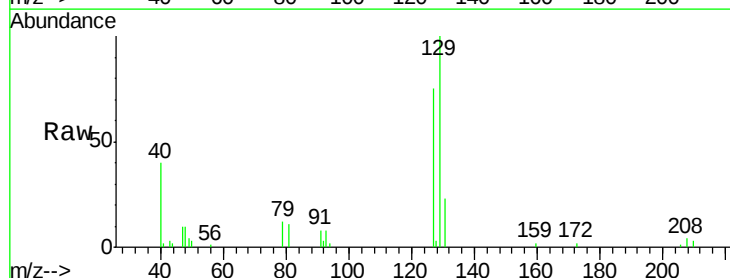


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

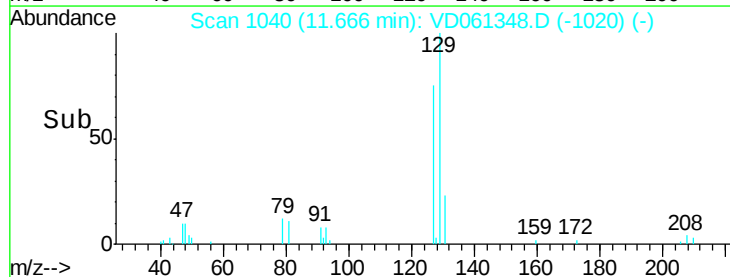
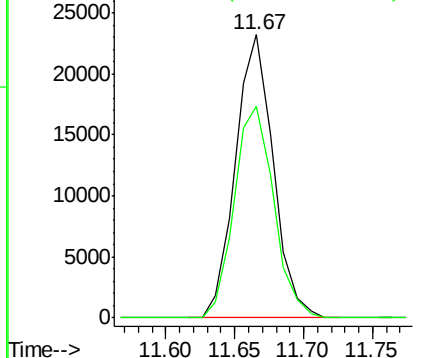


#60
Dibromochloromethane
Concen: 4.970 ug/l
RT: 11.67 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

Tgt Ion: 129 Resp: 44250
Ion Ratio Lower Upper
129 100
127 74.8 39.0 116.9



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

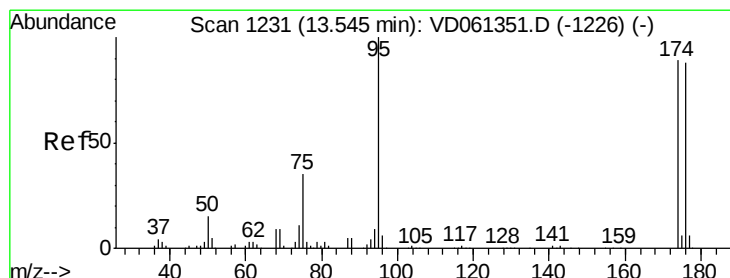
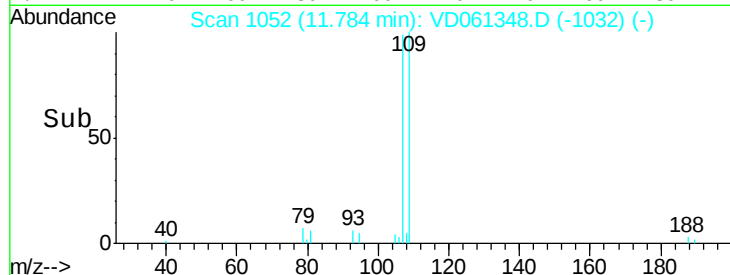
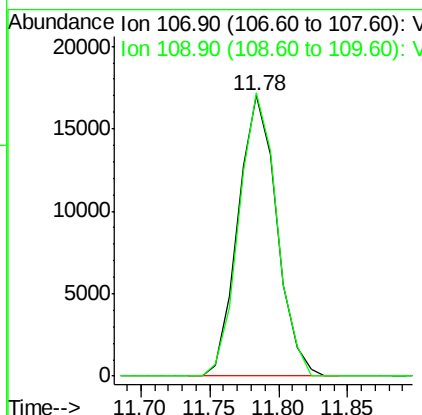
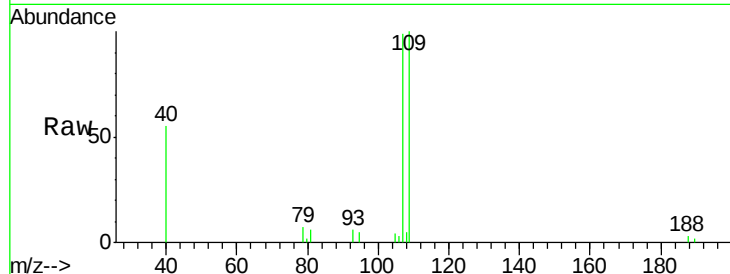




#61
 1,2-Dibromoethane
 Concen: 4.985 ug/l
 RT: 11.78 min Scan# 1052
 Delta R.T. 0.00 min
 Lab File: VD061348.D
 Acq: 27 Mar 2019 11:44

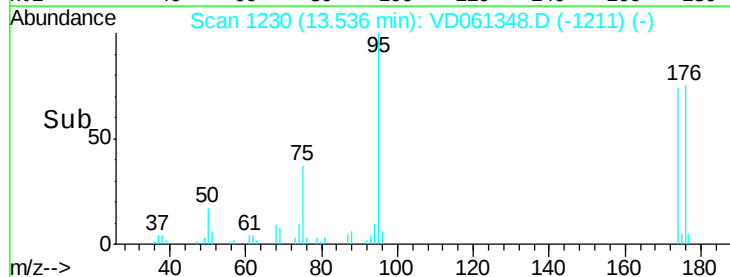
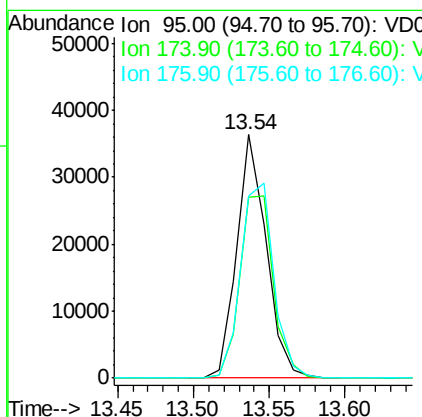
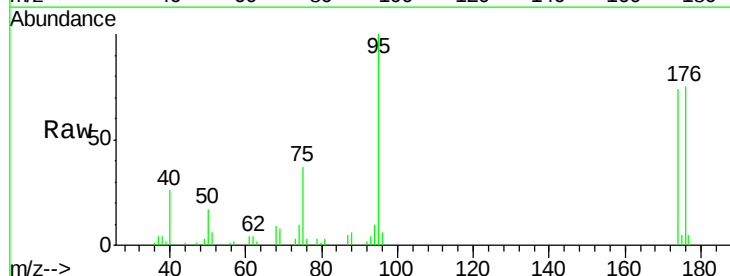
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

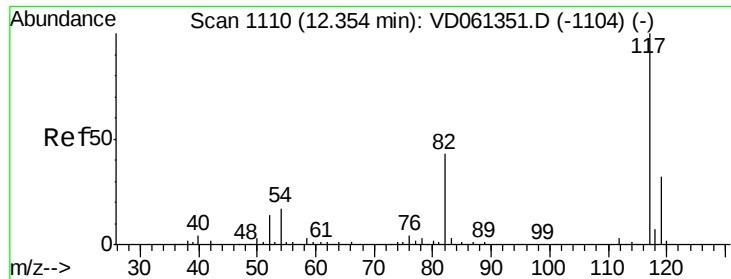
Tgt Ion: 107 Resp: 33341
 Ion Ratio Lower Upper
 107 100
 109 100.9 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 4.985 ug/l
 RT: 13.54 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: VD061348.D
 Acq: 27 Mar 2019 11:44

Tgt Ion: 95 Resp: 48982
 Ion Ratio Lower Upper
 95 100
 174 74.4 0.0 178.0
 176 74.8 0.0 175.0

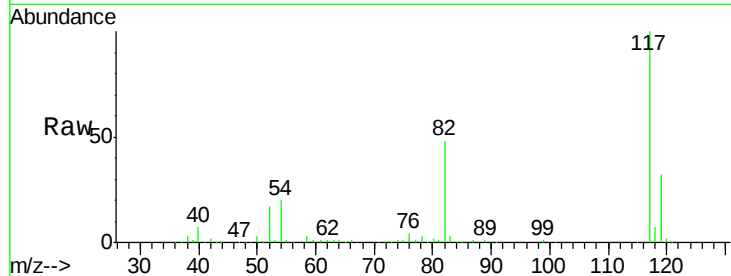




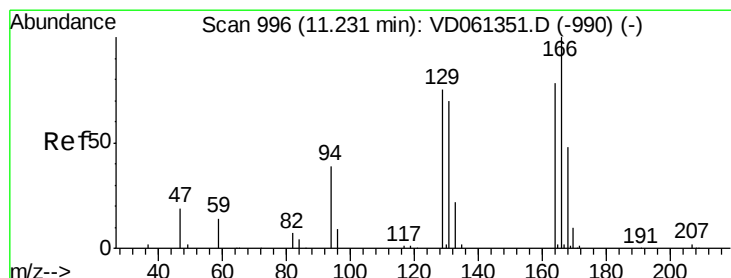
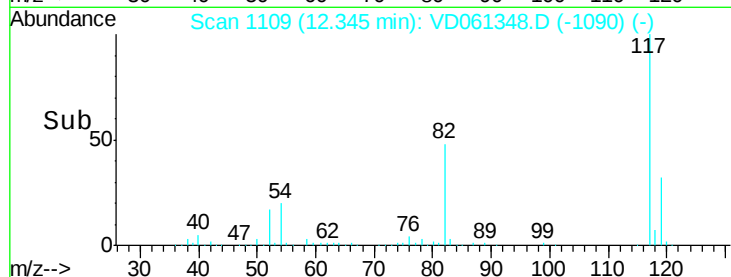
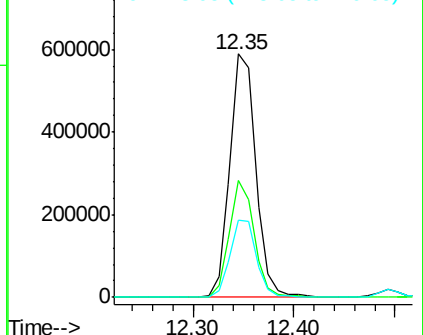
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:117 Resp: 1055472
Ion Ratio Lower Upper
117 100
82 48.0 34.4 51.6
119 31.6 25.8 38.6

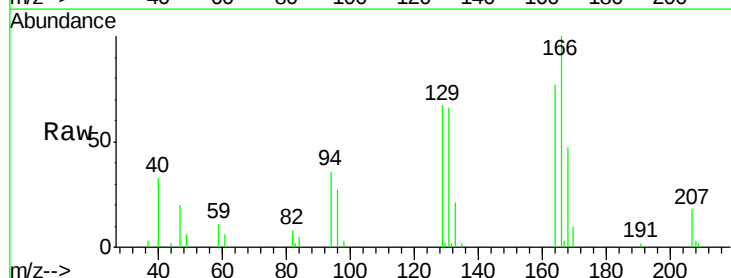


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

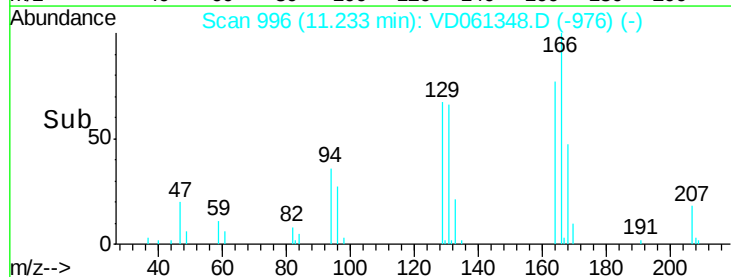
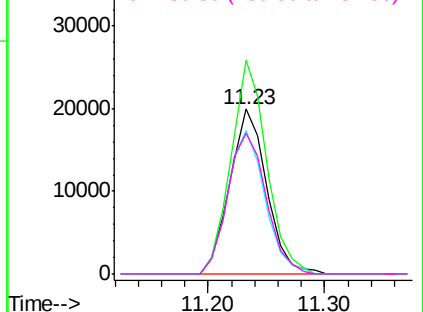


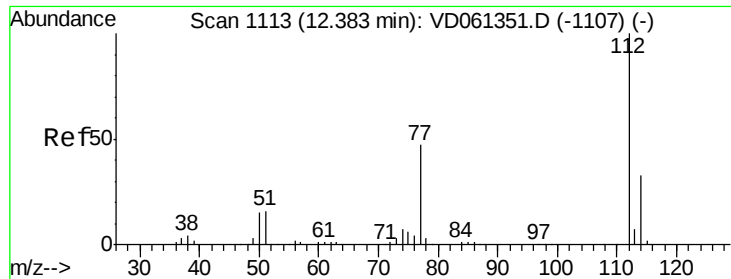
#64
Tetrachloroethene
Concen: 5.280 ug/l
RT: 11.23 min Scan# 996
Delta R.T. 0.00 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

Tgt Ion:164 Resp: 43734
Ion Ratio Lower Upper
164 100
166 129.4 102.4 153.6
129 87.1 76.8 115.2
131 85.6 71.8 107.6



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

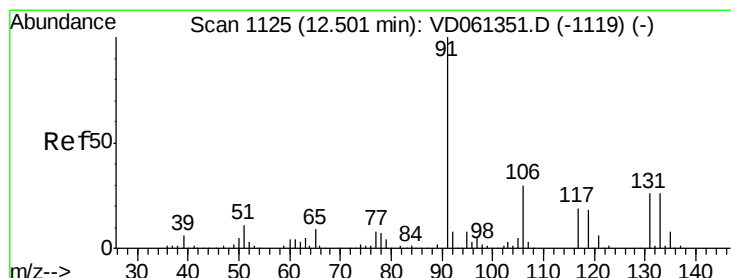
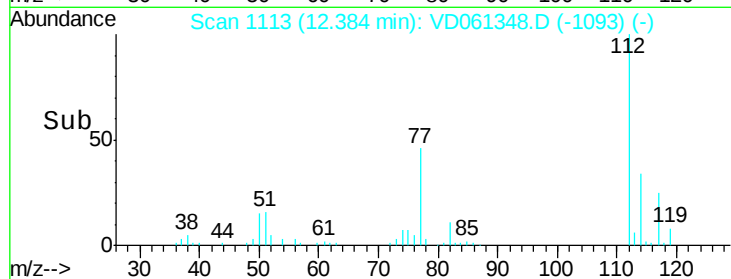
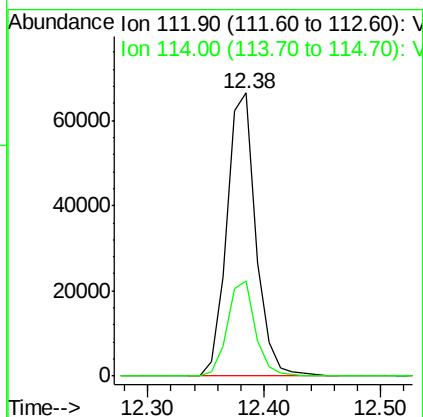
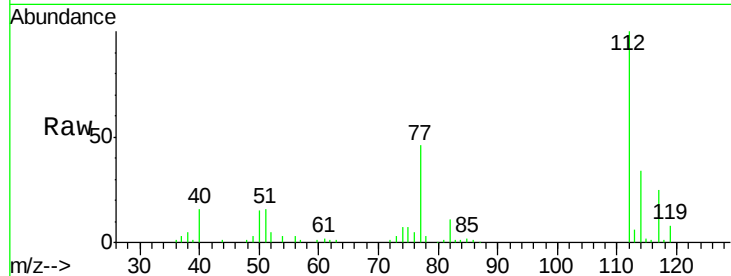




#65
Chlorobenzene
Concen: 5.304 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

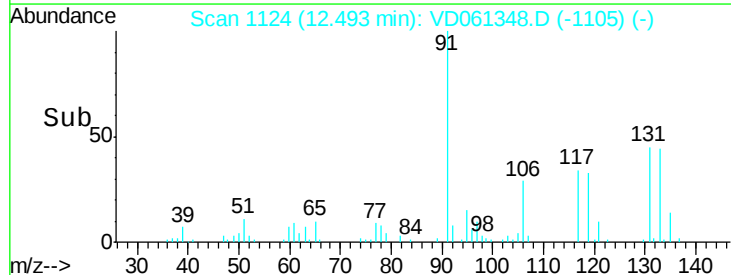
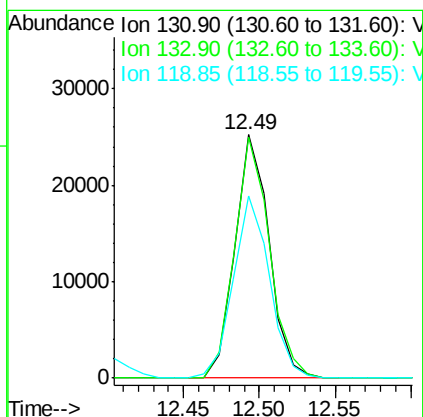
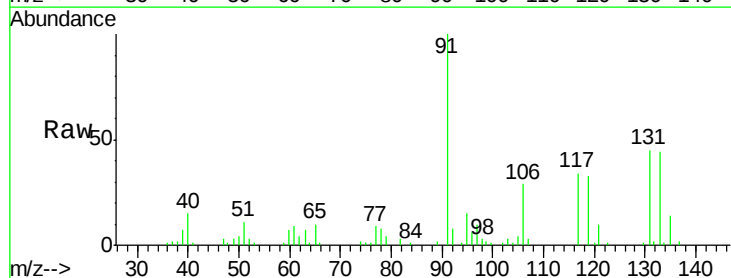
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:112 Resp: 114409
Ion Ratio Lower Upper
112 100
114 33.7 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 4.737 ug/l
RT: 12.49 min Scan# 1124
Delta R.T. -0.01 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

Tgt Ion:131 Resp: 39562
Ion Ratio Lower Upper
131 100
133 99.0 49.4 148.2
119 74.7 34.1 102.2

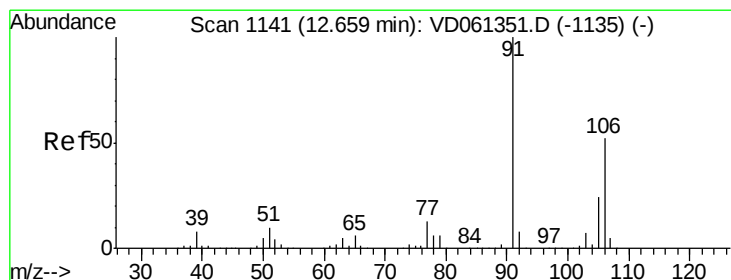
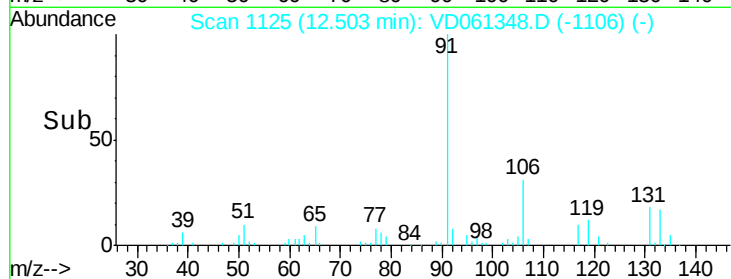
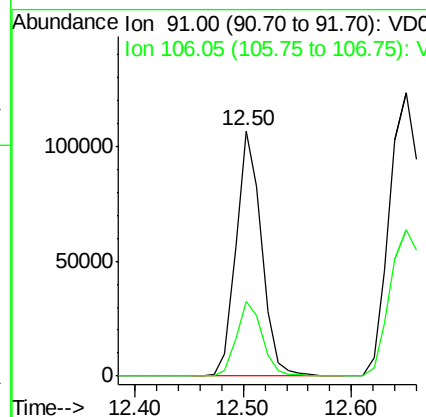
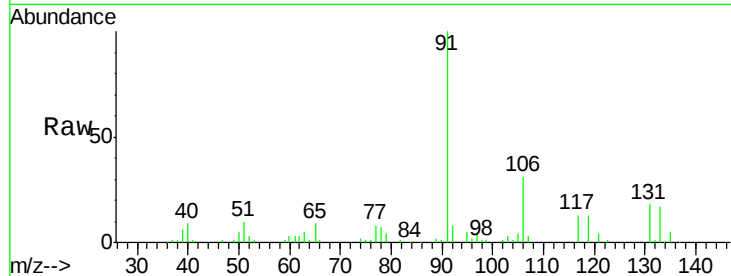




#67
Ethyl Benzene
Concen: 5.292 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.01 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

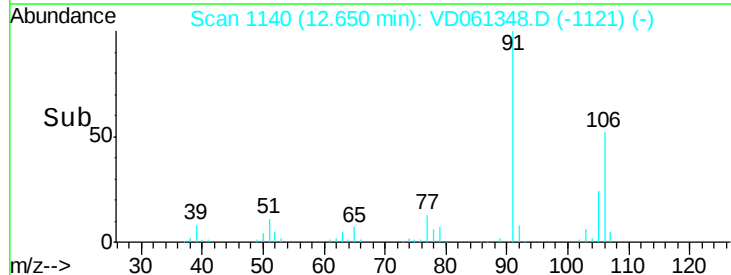
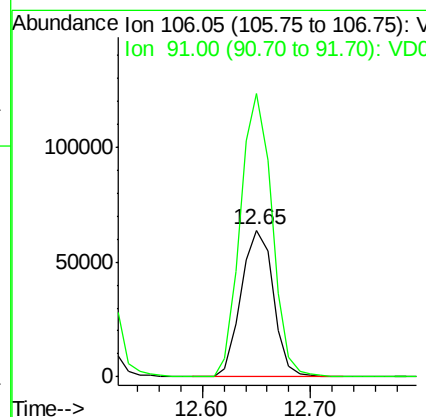
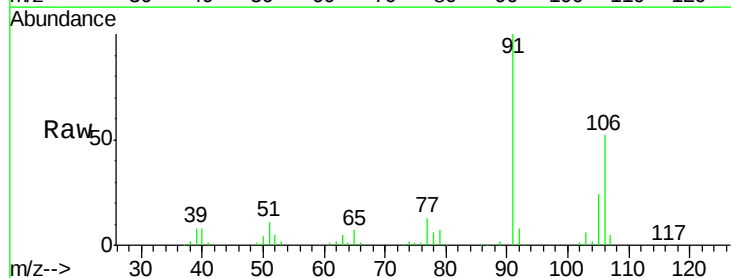
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion: 91 Resp: 174222
Ion Ratio Lower Upper
91 100
106 30.5 26.1 39.1



#68
m/p-Xylenes
Concen: 10.563 ug/l
RT: 12.65 min Scan# 1140
Delta R.T. -0.01 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

Tgt Ion: 106 Resp: 131741
Ion Ratio Lower Upper
106 100
91 193.2 153.1 229.7

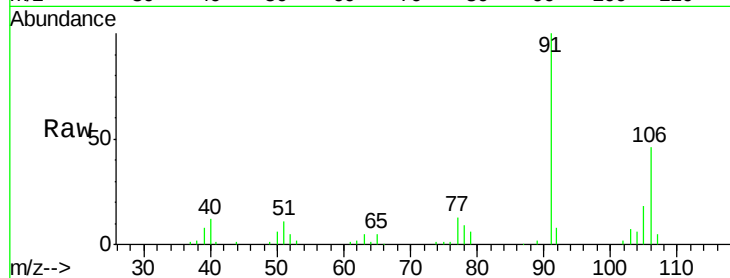




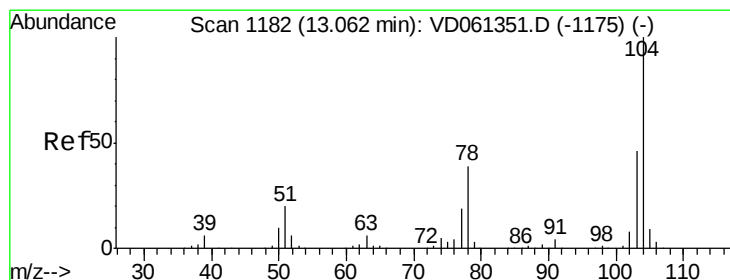
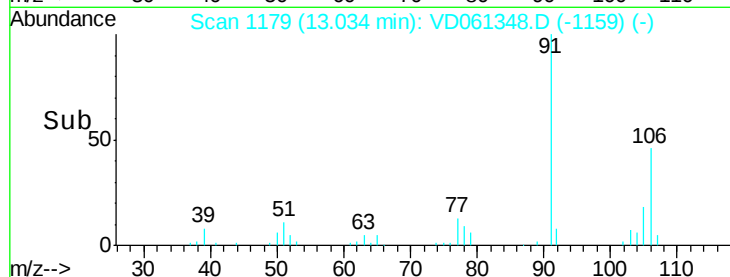
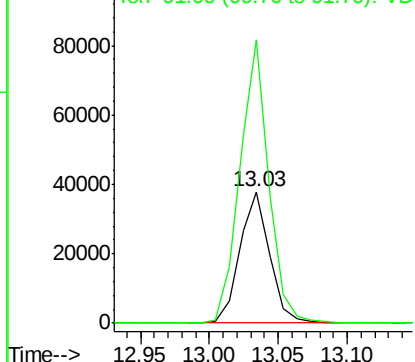
#69
o-Xylene
Concen: 4.698 ug/l
RT: 13.03 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:106 Resp: 56857
Ion Ratio Lower Upper
106 100
91 215.4 103.8 311.3

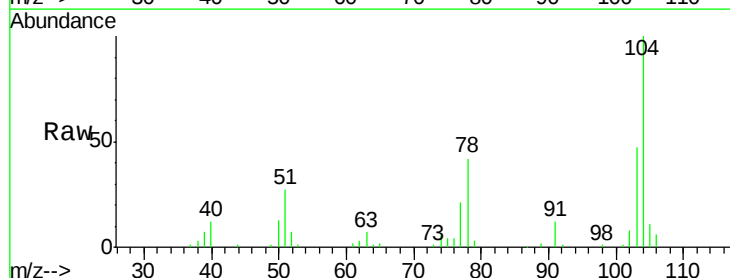


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

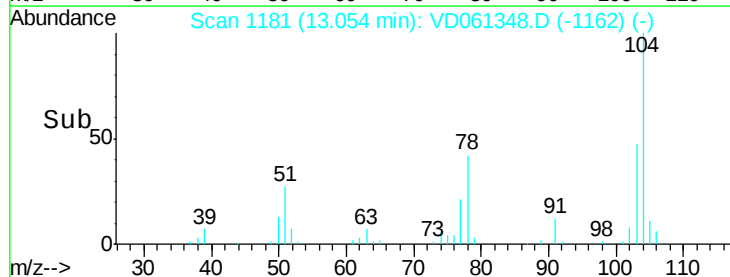
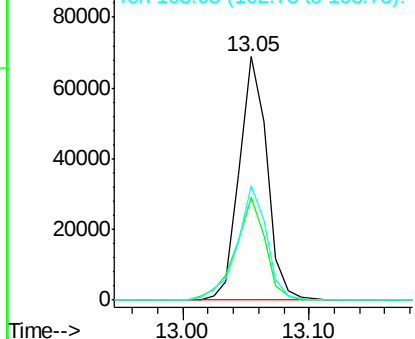


#70
Styrene
Concen: 4.952 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

Tgt Ion:104 Resp: 104483
Ion Ratio Lower Upper
104 100
78 42.3 31.0 46.6
103 47.2 37.0 55.4



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

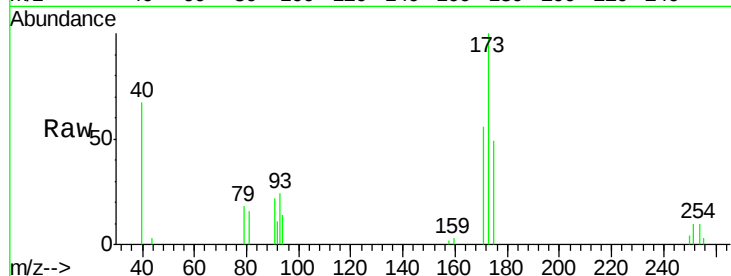




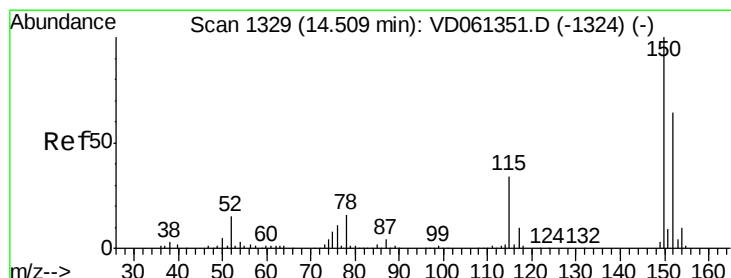
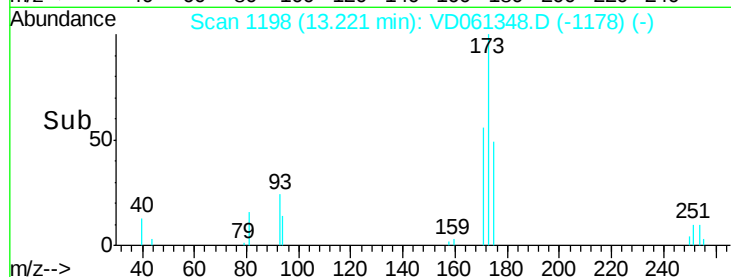
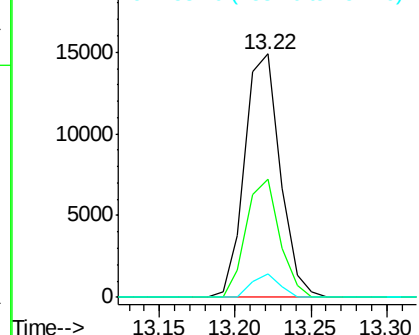
#71
Bromoform
Concen: 4.594 ug/l
RT: 13.22 min Scan# 1198
Delta R.T. 0.00 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:173 Resp: 24324
Ion Ratio Lower Upper
173 100
175 48.5 24.6 73.8
254 9.8 6.6 10.0

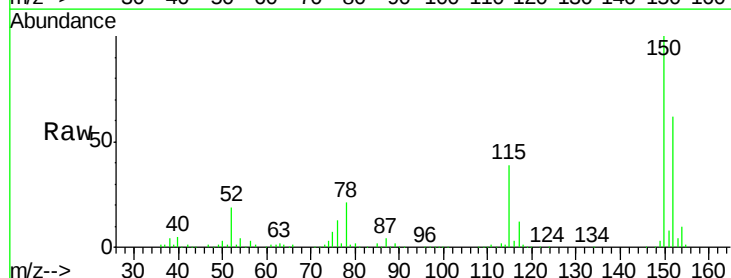


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

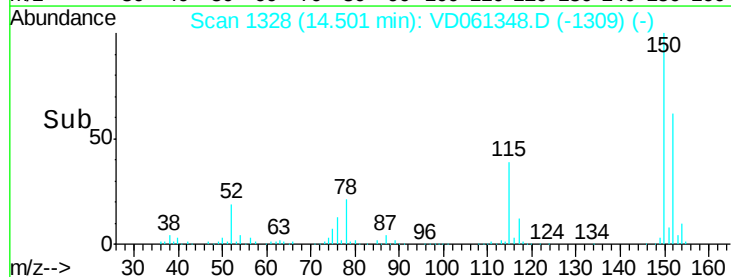
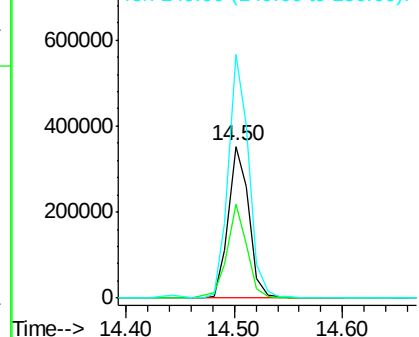


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.50 min Scan# 1328
Delta R.T. -0.01 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

Tgt Ion:152 Resp: 465407
Ion Ratio Lower Upper
152 100
115 62.0 26.9 80.6
150 160.7 0.0 318.0



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: 5.599 ug/l

RT: 13.39 min Scan# 1215

Delta R.T. 0.00 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Instrument :

MSVOA_D

ClientSampleId :

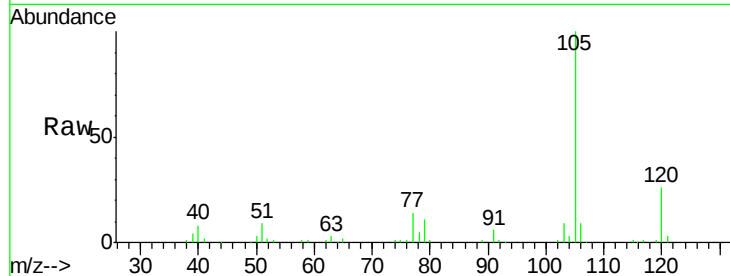
VSTDIC005

Tgt Ion: 105 Resp: 181361

Ion Ratio Lower Upper

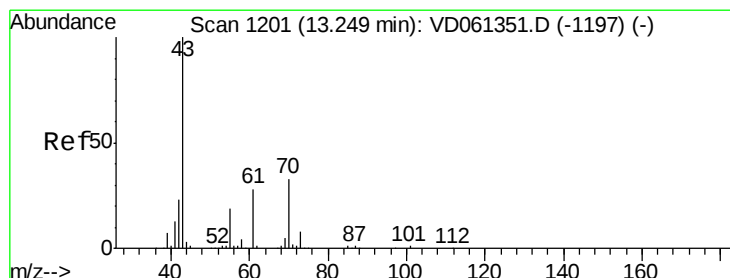
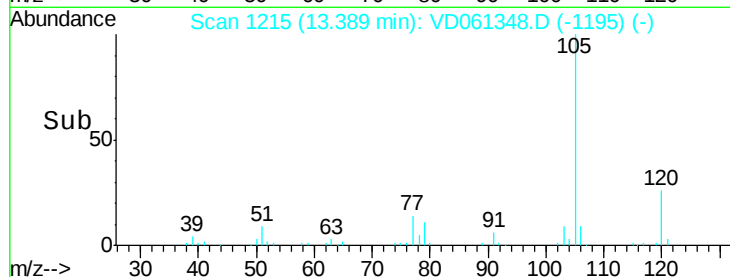
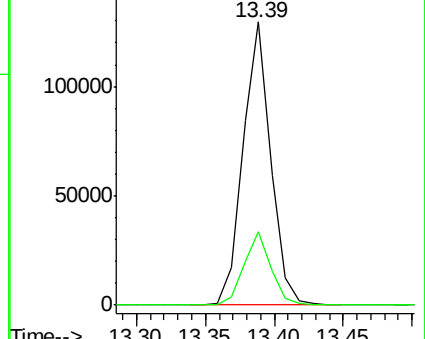
105 100

120 25.9 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 5.078 ug/l

RT: 13.25 min Scan# 1201

Delta R.T. 0.00 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Tgt Ion: 43 Resp: 45818

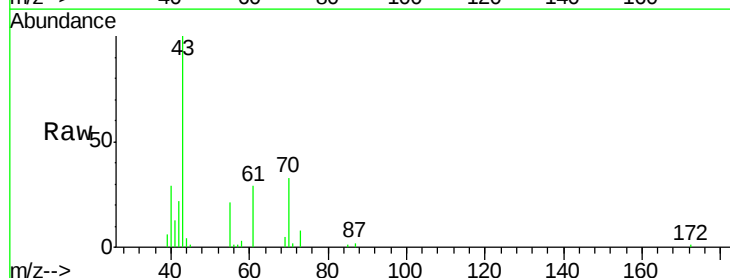
Ion Ratio Lower Upper

43 100

70 33.3 26.6 40.0

55 21.2 15.4 23.2

61 28.9 22.2 33.4

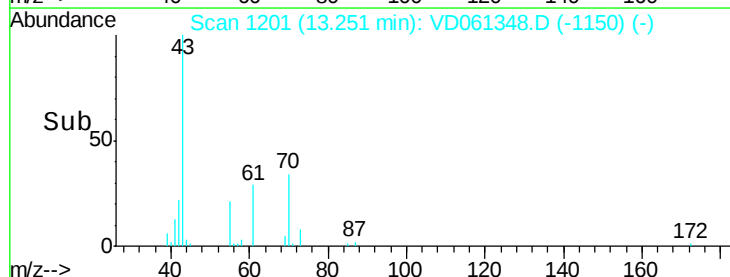
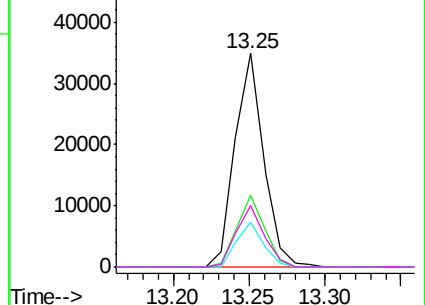


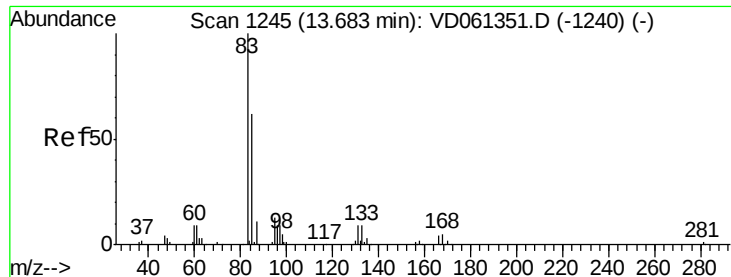
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 5.110 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.00 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

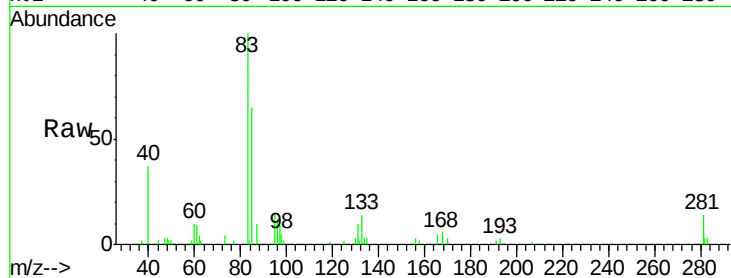
Tgt Ion: 83 Resp: 34917

Ion Ratio Lower Upper

83 100

131 10.3 4.3 13.1

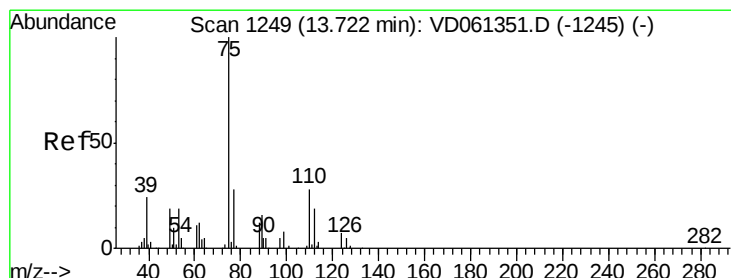
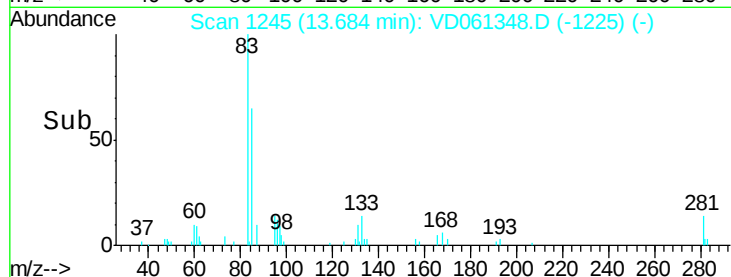
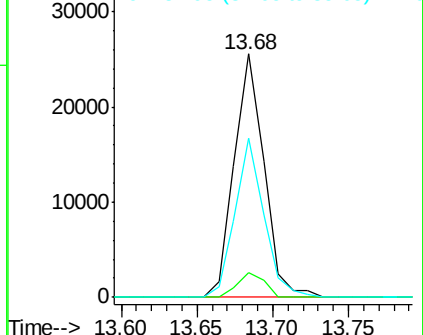
85 65.3 31.2 93.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 5.040 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VD061348.D

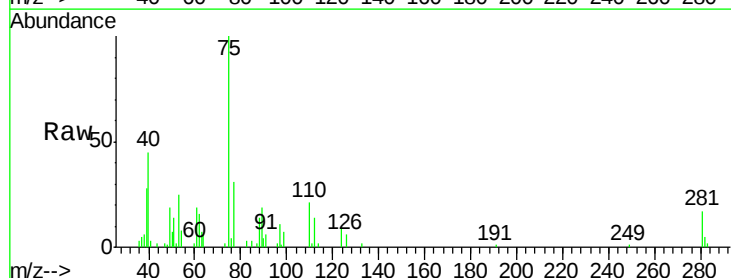
Acq: 27 Mar 2019 11:44

Tgt Ion: 75 Resp: 33885

Ion Ratio Lower Upper

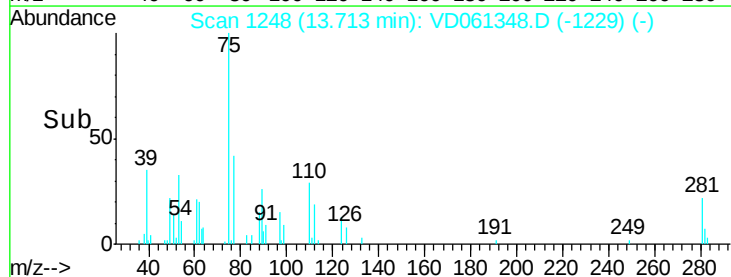
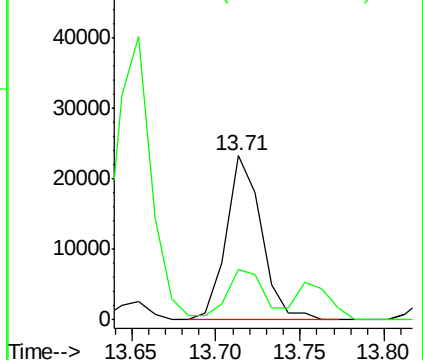
75 100

77 31.1 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 5.044 ug/l

RT: 13.65 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

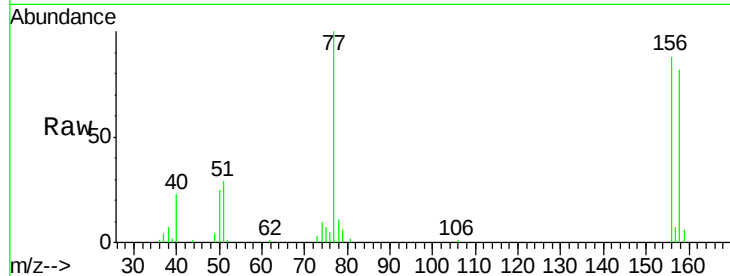
Tgt Ion:156 Resp: 48435

Ion Ratio Lower Upper

156 100

77 113.1 68.5 205.6

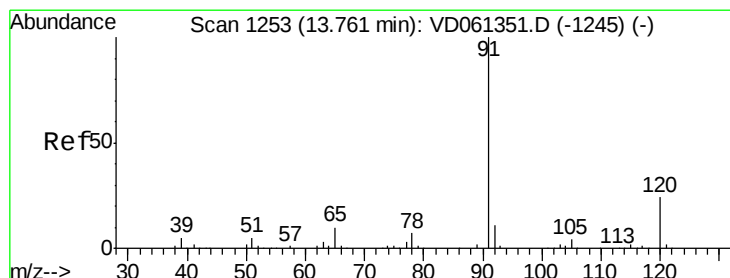
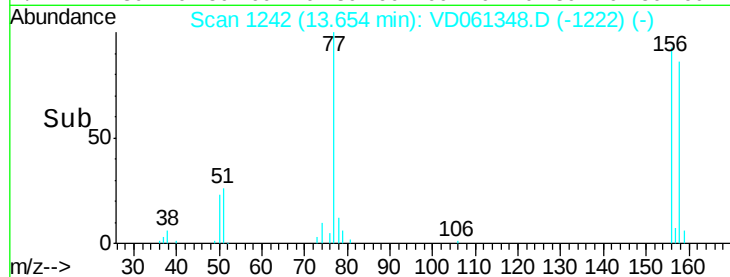
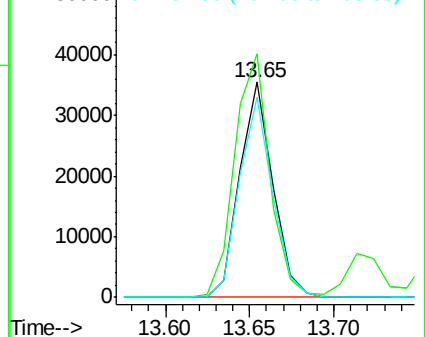
158 92.7 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 5.057 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. -0.01 min

Lab File: VD061348.D

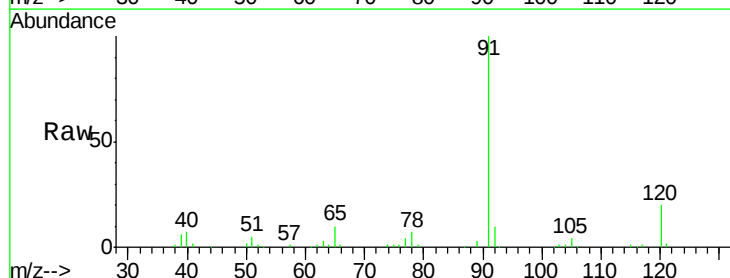
Acq: 27 Mar 2019 11:44

Tgt Ion: 91 Resp: 200443

Ion Ratio Lower Upper

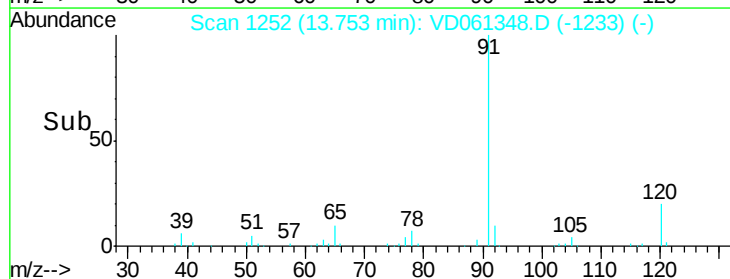
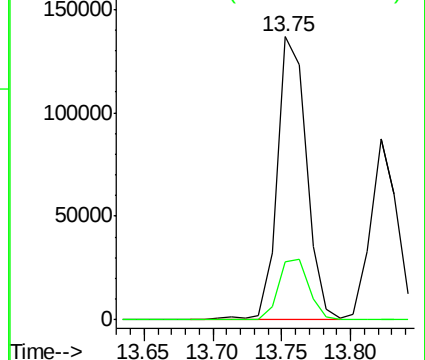
91 100

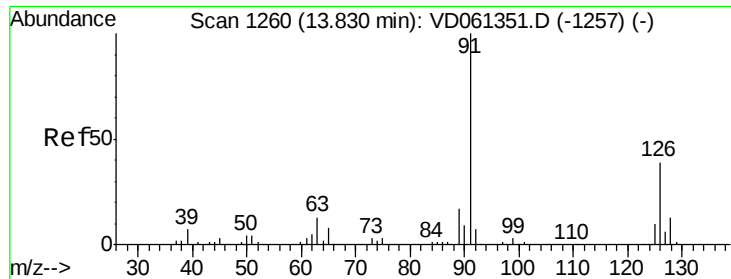
120 20.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 5.498 ug/l

RT: 13.82 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Instrument :

MSVOA_D

ClientSampleId :

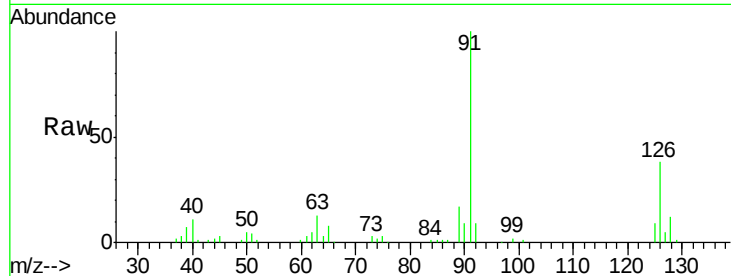
VSTDIC005

Tgt Ion: 91 Resp: 118326

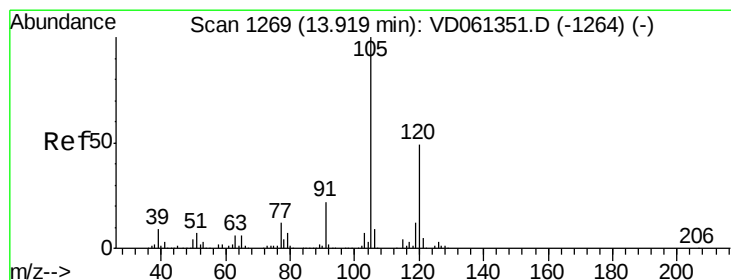
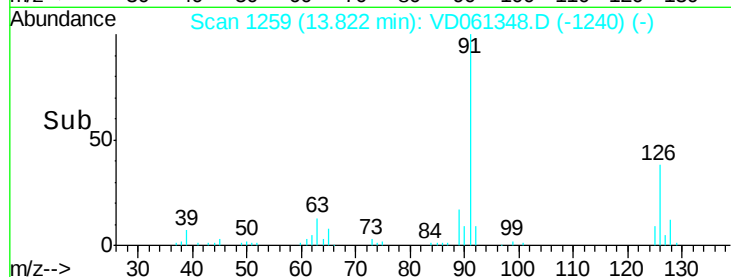
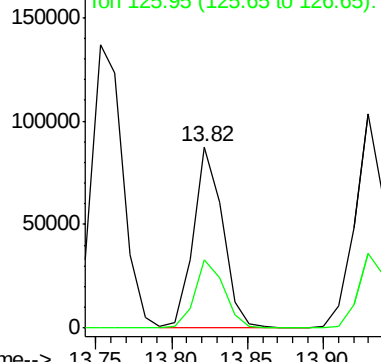
Ion Ratio Lower Upper

91 100

126 37.9 19.4 58.2



Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.589 ug/l

RT: 13.92 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD061348.D

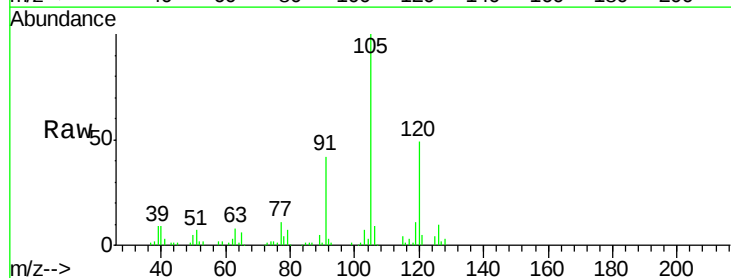
Acq: 27 Mar 2019 11:44

Tgt Ion: 105 Resp: 149612

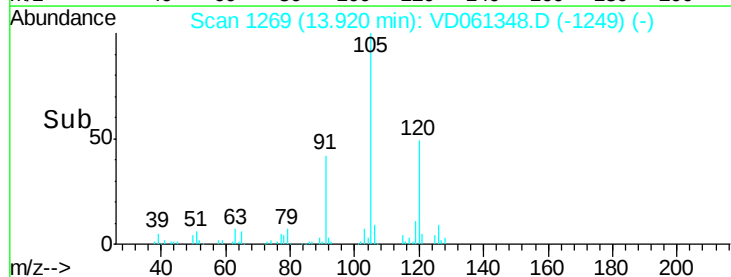
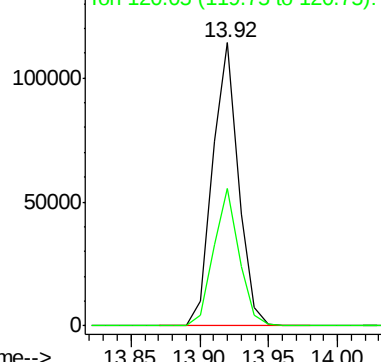
Ion Ratio Lower Upper

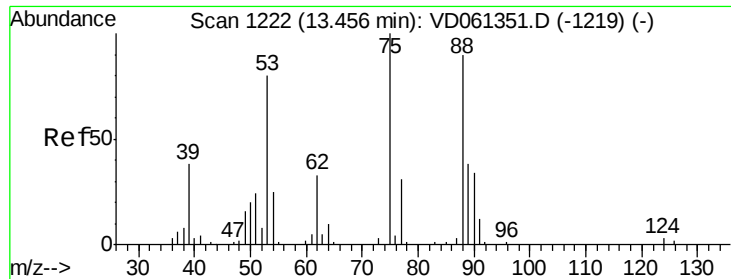
105 100

120 48.6 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1264) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 3.954 ug/l

RT: 13.46 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD061348.D

Acq: 27 Mar 2019 11:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

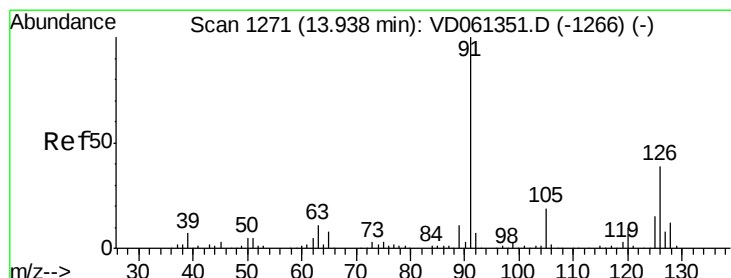
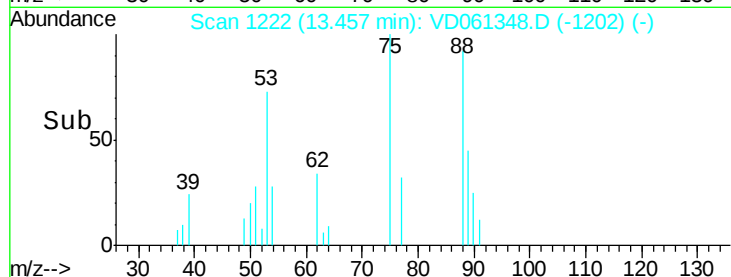
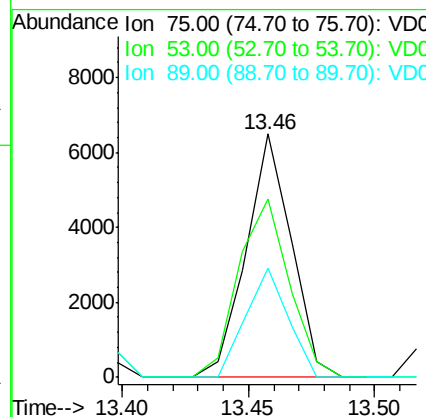
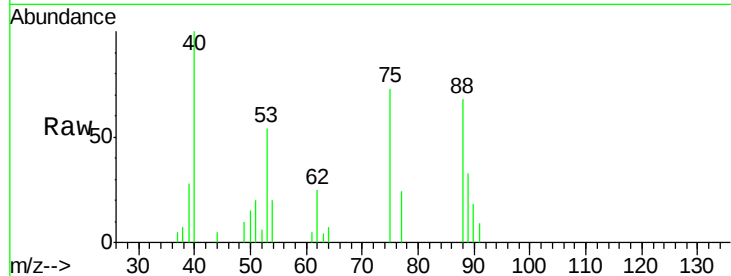
Tgt Ion: 75 Resp: 8106

Ion Ratio Lower Upper

75 100

53 73.2 63.8 95.8

89 44.7 30.5 45.7



#82

4-Chlorotoluene

Concen: 6.074 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD061348.D

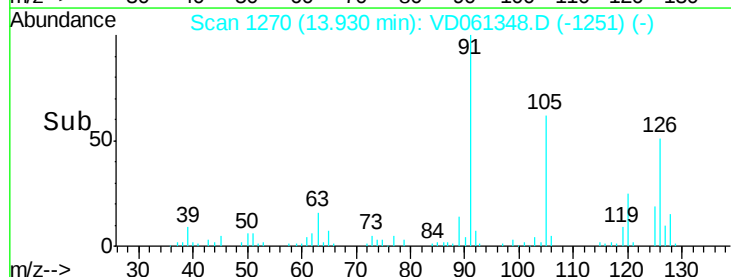
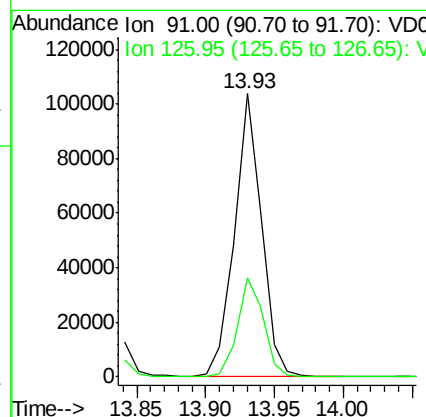
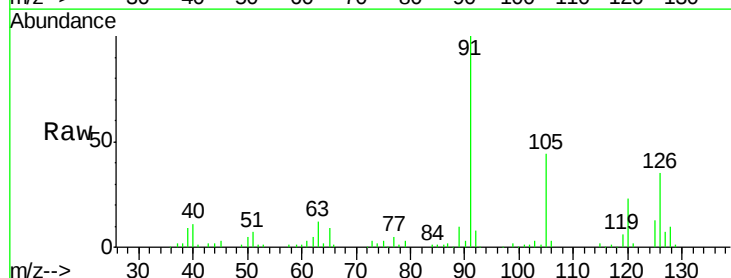
Acq: 27 Mar 2019 11:44

Tgt Ion: 91 Resp: 142159

Ion Ratio Lower Upper

91 100

126 35.0 19.6 58.8

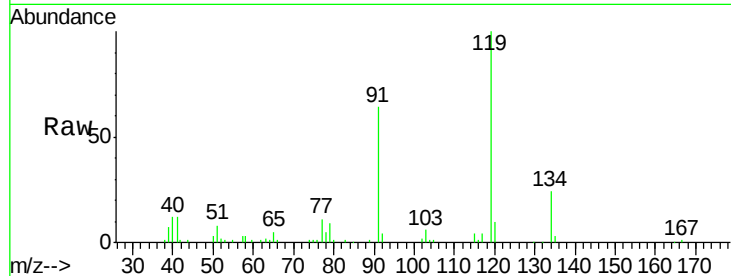




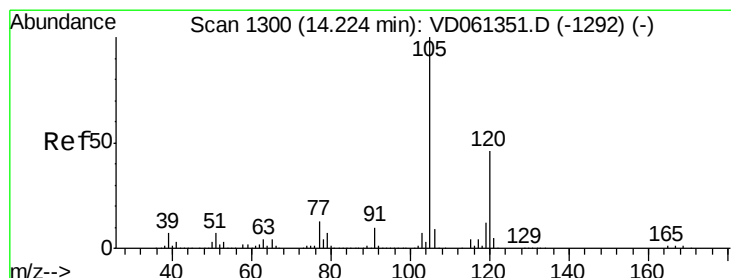
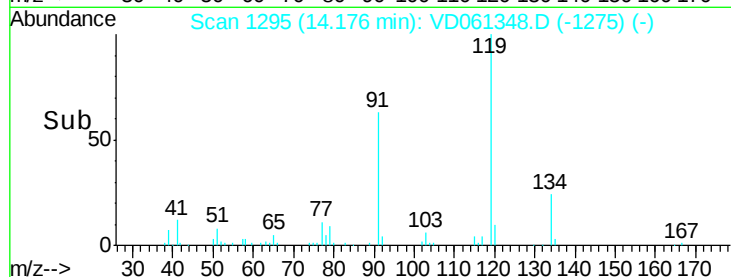
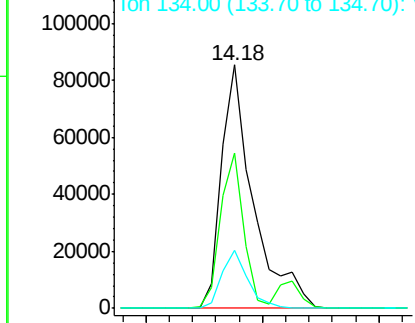
#83
 tert-Butylbenzene
 Concen: 5.168 ug/l
 RT: 14.18 min Scan# 1295
 Delta R.T. 0.00 min
 Lab File: VD061348.D
 Acq: 27 Mar 2019 11:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion:119 Resp: 162306
 Ion Ratio Lower Upper
 119 100
 91 63.7 34.1 102.3
 134 23.7 11.6 34.8

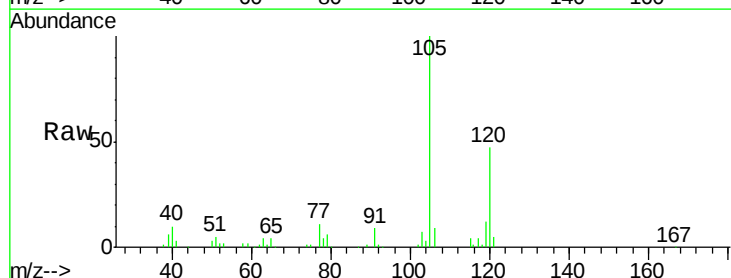


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

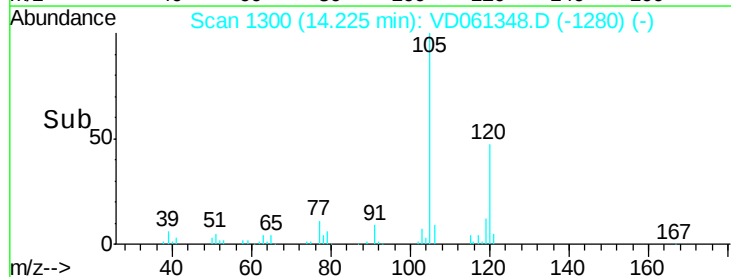
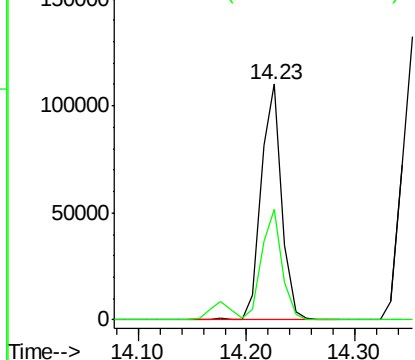


#84
 1,2,4-Trimethylbenzene
 Concen: 5.309 ug/l
 RT: 14.23 min Scan# 1300
 Delta R.T. 0.00 min
 Lab File: VD061348.D
 Acq: 27 Mar 2019 11:44

Tgt Ion:105 Resp: 144440
 Ion Ratio Lower Upper
 105 100
 120 47.0 22.8 68.4



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

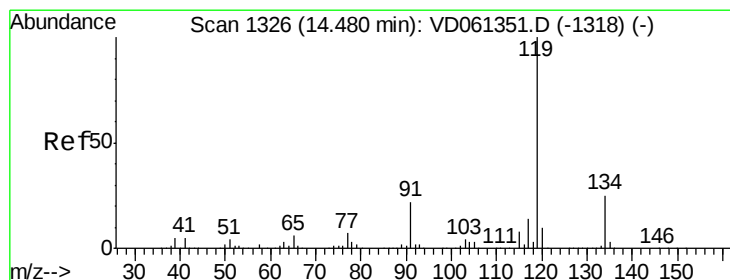
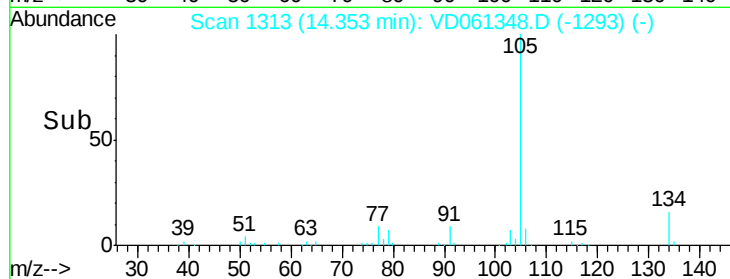
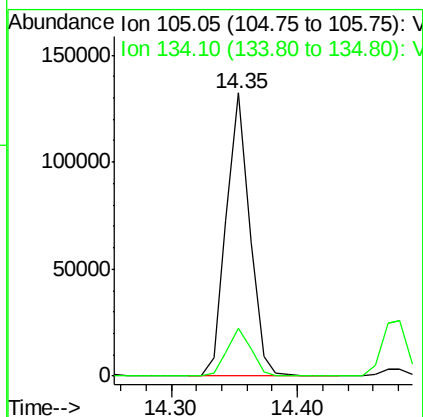
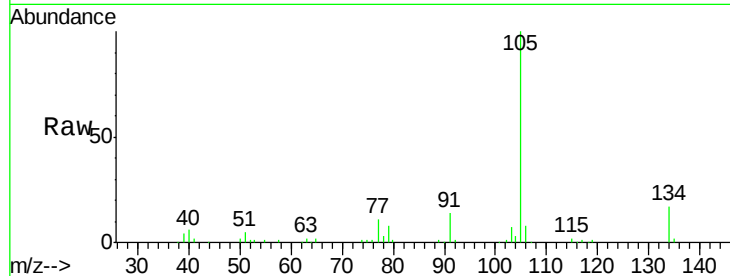




#85
 sec-Butylbenzene
 Concen: 5.101 ug/l
 RT: 14.35 min Scan# 1313
 Delta R.T. 0.00 min
 Lab File: VD061348.D
 Acq: 27 Mar 2019 11:44

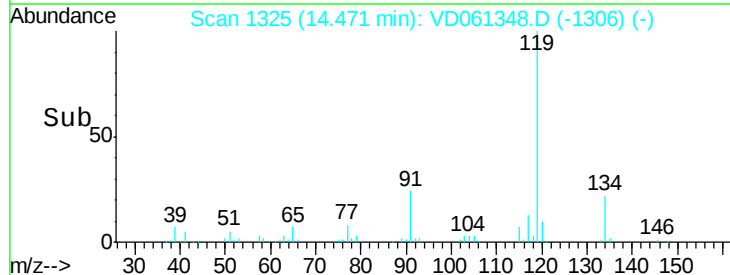
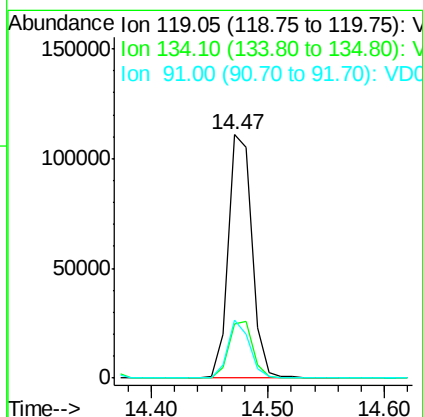
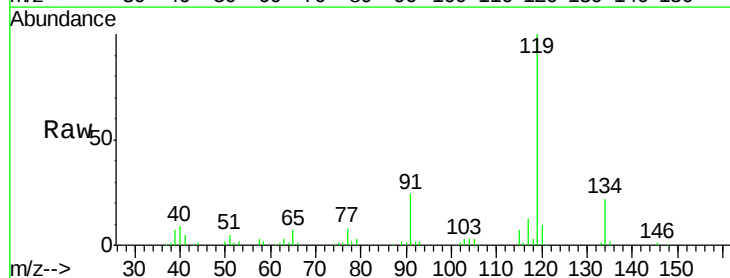
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion:105 Resp: 170192
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.7 26.1



#86
 p-Isopropyltoluene
 Concen: 5.529 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. -0.01 min
 Lab File: VD061348.D
 Acq: 27 Mar 2019 11:44

Tgt Ion:119 Resp: 155998
 Ion Ratio Lower Upper
 119 100
 134 22.5 12.3 36.8
 91 23.7 11.1 33.1

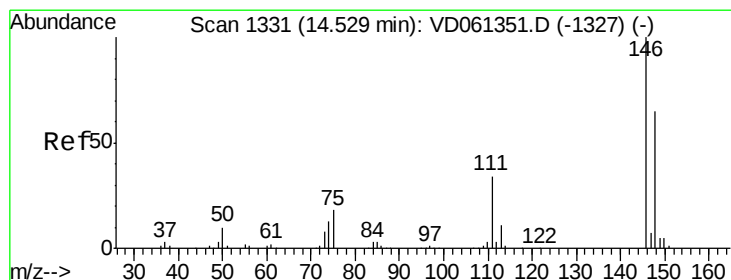
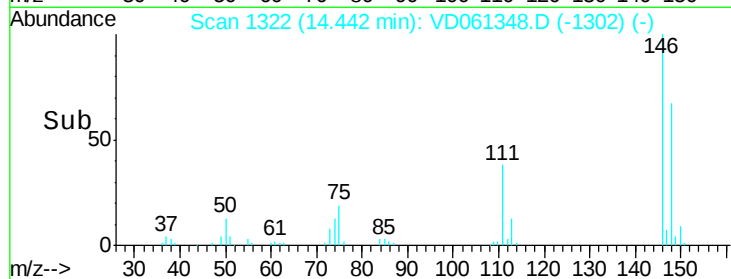
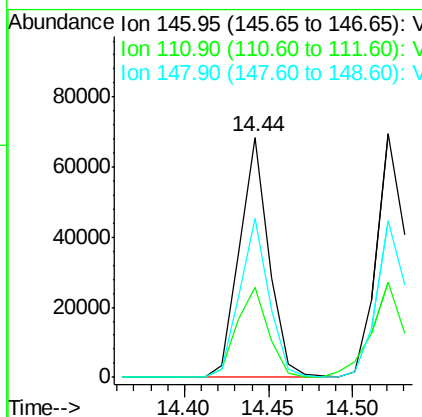
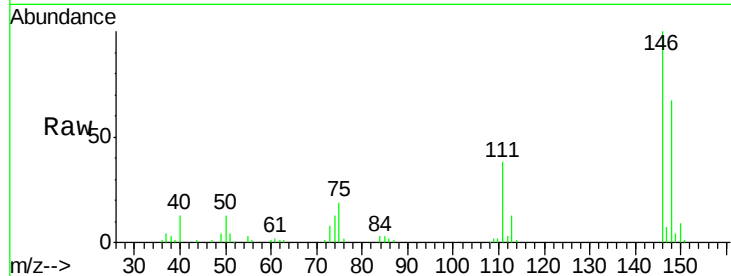




#87
 1,3-Dichlorobenzene
 Concen: 5.097 ug/l
 RT: 14.44 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VD061348.D
 Acq: 27 Mar 2019 11:44

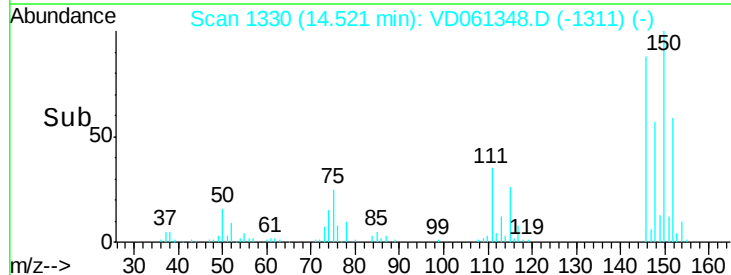
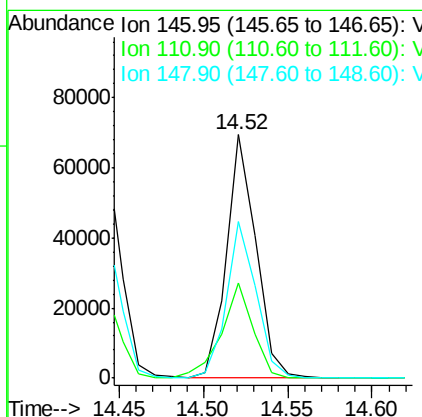
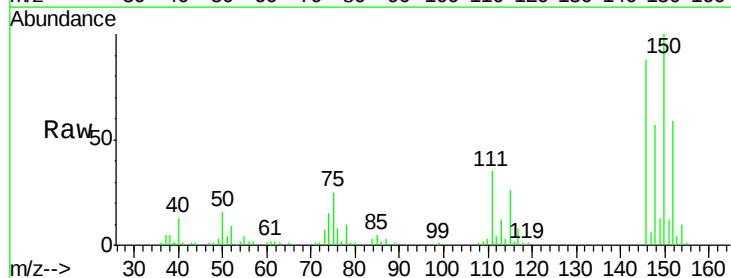
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

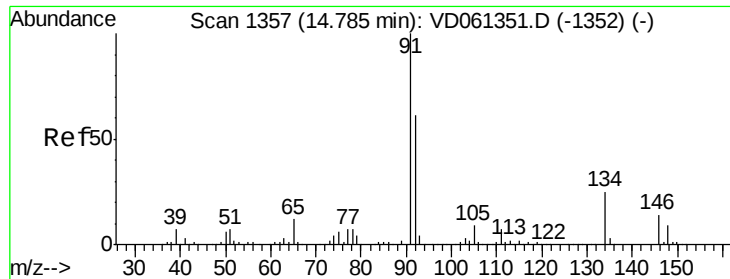
Tgt Ion:146 Resp: 82877
 Ion Ratio Lower Upper
 146 100
 111 37.7 20.6 61.9
 148 66.5 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 5.292 ug/l
 RT: 14.52 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VD061348.D
 Acq: 27 Mar 2019 11:44

Tgt Ion:146 Resp: 83926
 Ion Ratio Lower Upper
 146 100
 111 39.2 16.8 50.4
 148 64.2 32.6 98.0

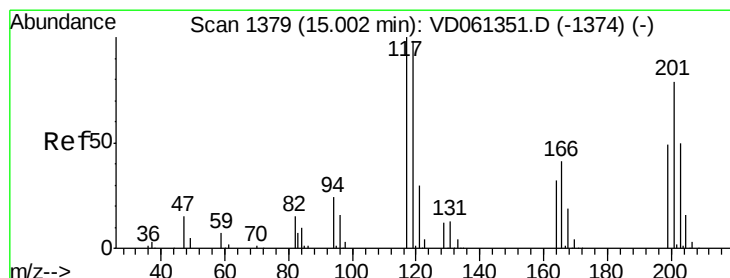
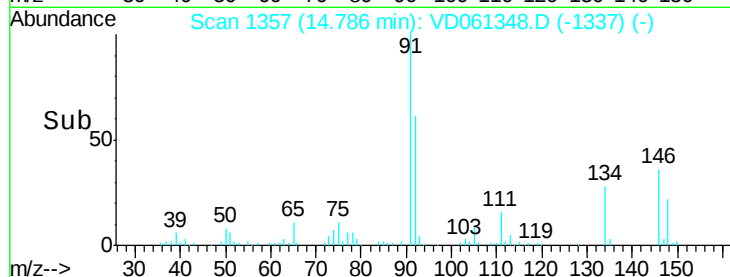
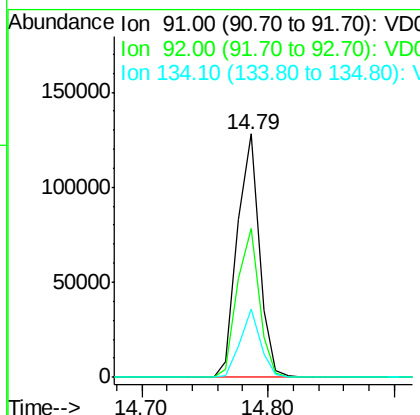
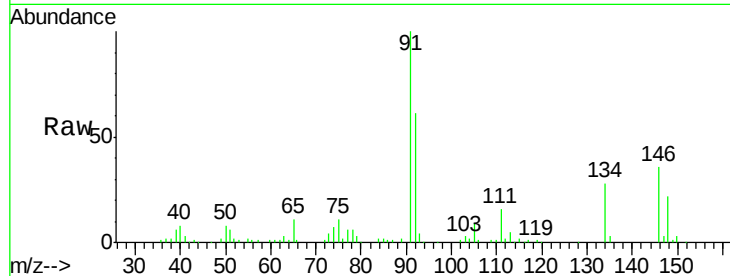




#89
n-Butylbenzene
Concen: 5.946 ug/l
RT: 14.79 min Scan# 1357
Delta R.T. 0.00 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

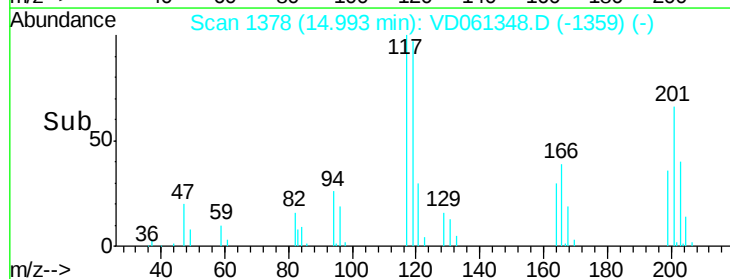
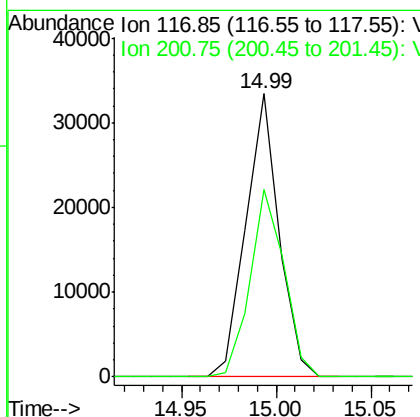
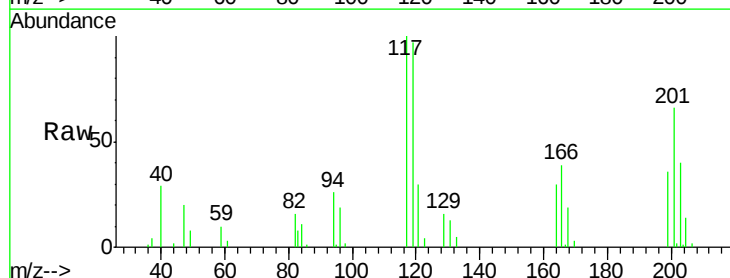
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

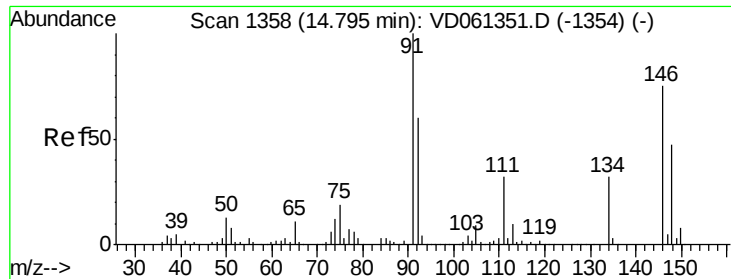
Tgt Ion: 91 Resp: 153993
Ion Ratio Lower Upper
91 100
92 61.1 30.3 91.0
134 28.2 12.4 37.0



#90
Hexachloroethane
Concen: 5.068 ug/l
RT: 14.99 min Scan# 1378
Delta R.T. -0.01 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

Tgt Ion: 117 Resp: 40394
Ion Ratio Lower Upper
117 100
201 66.3 39.6 119.0

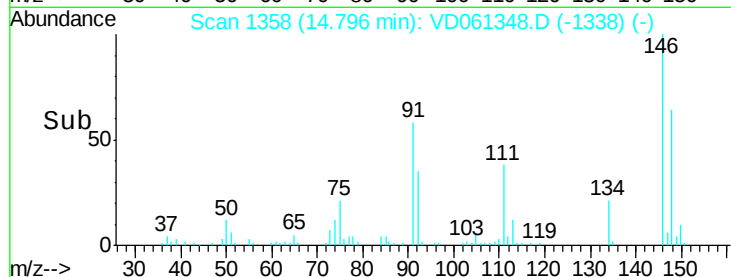
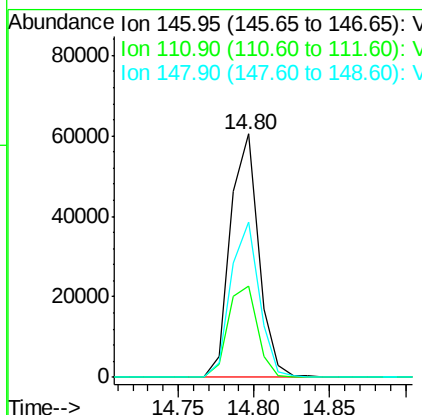
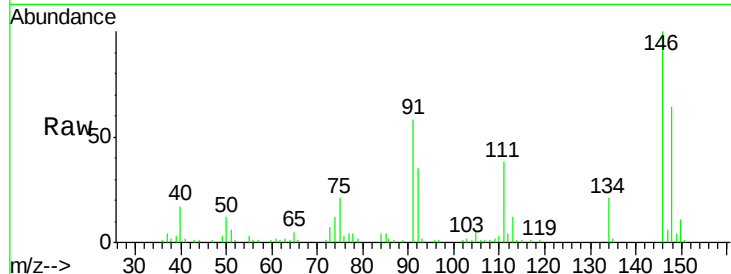




#91
 1,2-Dichlorobenzene
 Concen: 5.864 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD061348.D
 Acq: 27 Mar 2019 11:44

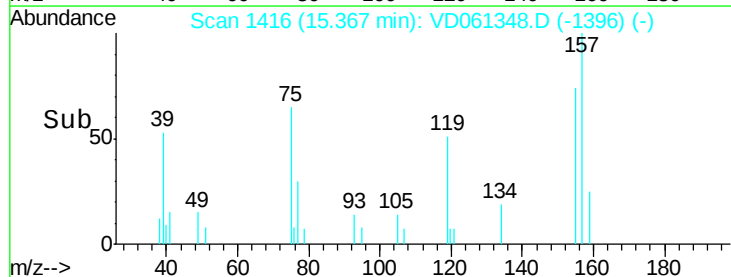
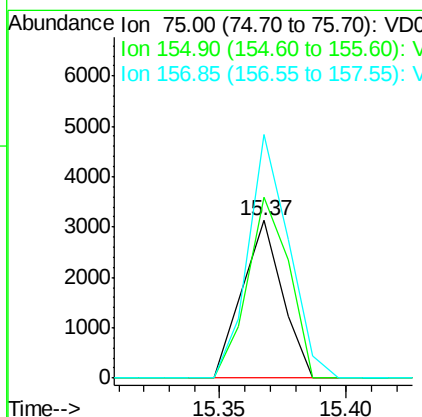
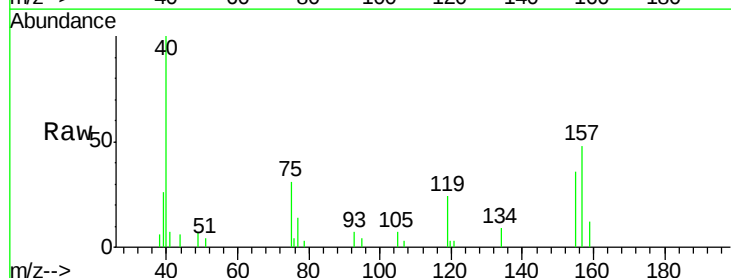
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

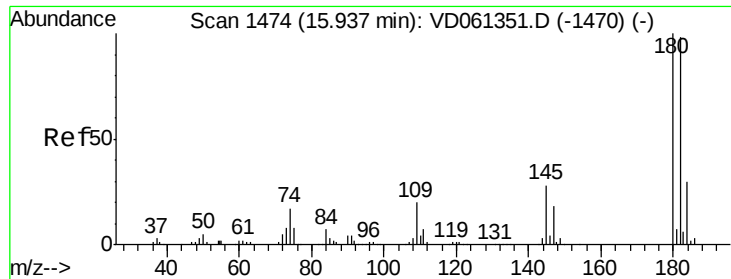
Tgt Ion: 146 Resp: 78213
 Ion Ratio Lower Upper
 146 100
 111 37.6 21.2 63.6
 148 63.9 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.347 ug/l
 RT: 15.37 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VD061348.D
 Acq: 27 Mar 2019 11:44

Tgt Ion: 75 Resp: 3484
 Ion Ratio Lower Upper
 75 100
 155 114.4 43.6 130.9
 157 154.5 58.5 175.3

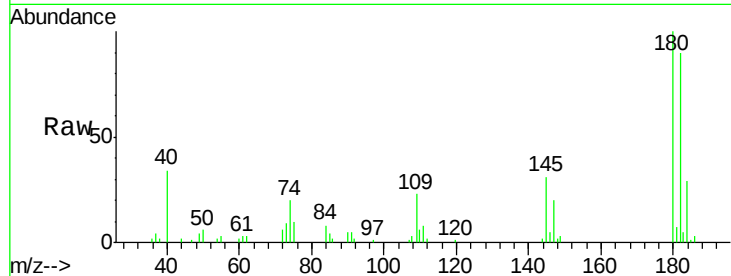




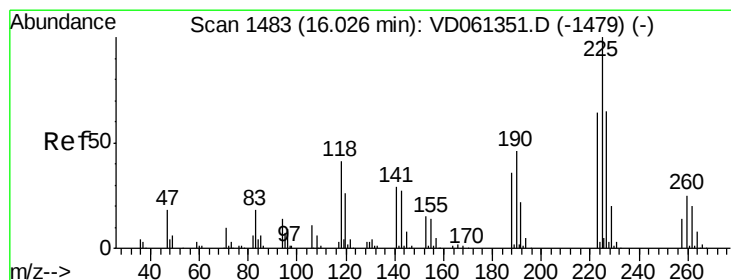
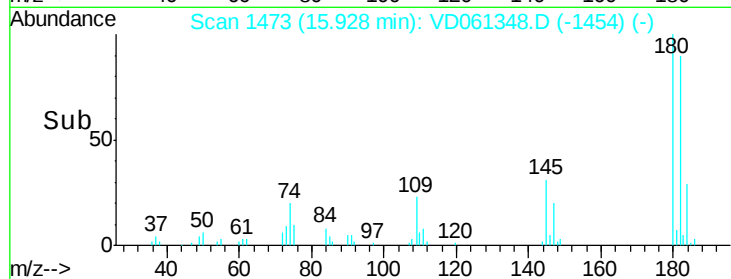
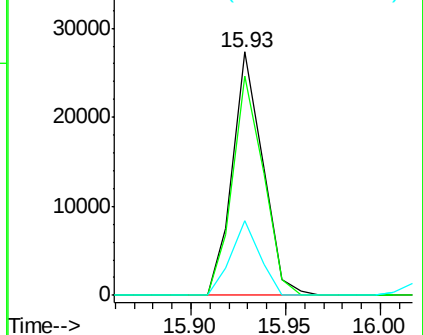
#93
 1,2,4-Trichlorobenzene
 Concen: 4.986 ug/l
 RT: 15.93 min Scan# 1473
 Delta R.T. -0.01 min
 Lab File: VD061348.D
 Acq: 27 Mar 2019 11:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 30298
 Ion Ratio Lower Upper
 180 100
 182 90.3 48.9 146.8
 145 30.7 14.1 42.3

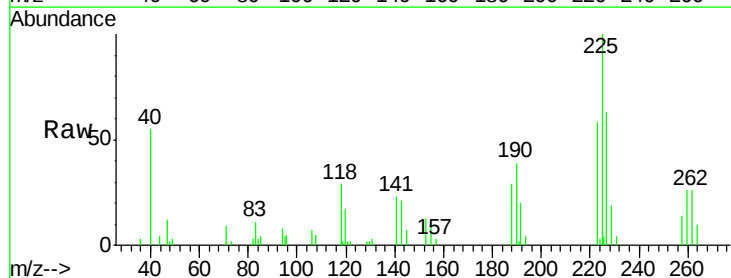


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

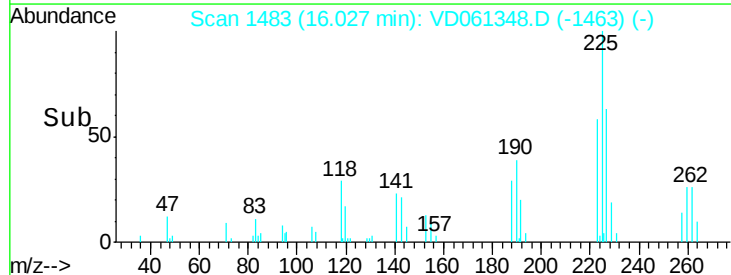
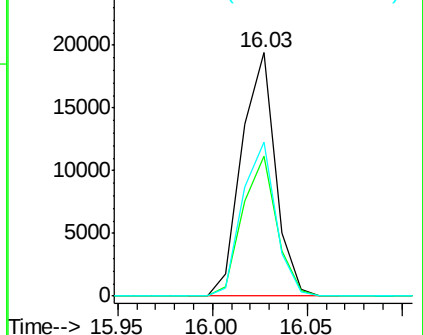


#94
 Hexachlorobutadiene
 Concen: 5.043 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: VD061348.D
 Acq: 27 Mar 2019 11:44

Tgt Ion:225 Resp: 23942
 Ion Ratio Lower Upper
 225 100
 223 57.6 32.0 96.0
 227 63.1 32.4 97.2



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

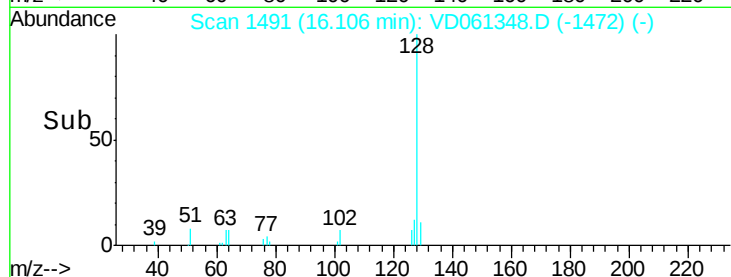
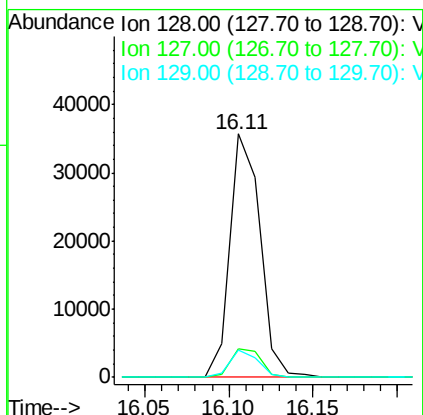
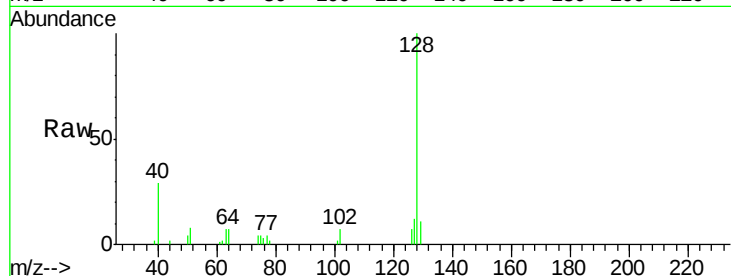




#95
Naphthalene
Concen: 4.801 ug/l
RT: 16.11 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 44462
Ion Ratio Lower Upper
128 100
127 11.6 9.9 14.9
129 11.4 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 4.165 ug/l
RT: 16.25 min Scan# 1506
Delta R.T. -0.01 min
Lab File: VD061348.D
Acq: 27 Mar 2019 11:44

Tgt Ion:180 Resp: 11135
Ion Ratio Lower Upper
180 100
182 99.1 46.4 139.1
145 33.1 15.3 45.9

