

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040619\
 Data File : VD061636.D
 Acq On : 6 Apr 2019 11:39
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 08 07:05:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 07:00:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	725190	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1211320	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	924645	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	479239	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	31470	5.89	ug/l	0.00
Spiked Amount			Recovery	=	11.78%	
35) Dibromofluoromethane	6.92	113	47317	5.76	ug/l	0.00
Spiked Amount			Recovery	=	11.52%	
50) Toluene-d8	10.40	98	121341	6.05	ug/l	0.00
Spiked Amount			Recovery	=	12.10%	
62) 4-Bromofluorobenzene	13.55	95	52058	6.70	ug/l	0.00
Spiked Amount			Recovery	=	13.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	37211	4.890	ug/l	99
3) Chloromethane	1.76	50	30158	4.912	ug/l	100
4) Vinyl Chloride	1.85	62	25311	4.291	ug/l	100
5) Bromomethane	2.16	94	7445	5.633	ug/l #	81
6) Chloroethane	2.27	64	8702	4.696	ug/l	97
7) Trichlorofluoromethane	2.54	101	41911	4.828	ug/l	98
8) Diethyl Ether	2.87	74	11310	4.499	ug/l	86
9) 1,1,2-Trichlorotrifluoroet	3.15	101	40964	4.740	ug/l	92
10) Methyl Iodide	3.31	142	29065	2.613	ug/l	97
11) Tert butyl alcohol	4.05	59	7049	19.099	ug/l #	86
12) 1,1-Dichloroethene	3.13	96	32324	4.313	ug/l	93
13) Acrolein	3.04	56	11185	25.230	ug/l	87
14) Allyl chloride	3.63	41	42457	4.078	ug/l	95
15) Acrylonitrile	4.19	53	28465	23.407	ug/l	96
16) Acetone	3.22	43	33890	21.257	ug/l	97
17) Carbon Disulfide	3.38	76	102231	4.195	ug/l	100
18) Methyl Acetate	3.65	43	16030	5.173	ug/l #	87
19) Methyl tert-butyl Ether	4.24	73	56279	4.382	ug/l	98
20) Methylene Chloride	3.81	84	57495	6.313	ug/l	93
21) trans-1,2-Dichloroethene	4.23	96	35760	4.424	ug/l	90
22) Diisopropyl ether	5.11	45	103039	4.826	ug/l	98
23) Vinyl Acetate	5.05	43	255076	21.612	ug/l	99
24) 1,1-Dichloroethane	4.99	63	57836	4.395	ug/l	99
25) 2-Butanone	6.06	43	39853	21.390	ug/l	99
26) 2,2-Dichloropropane	6.02	77	49191	4.601	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	40713	4.727	ug/l	83
28) Bromochloromethane	6.43	49	26989	5.743	ug/l	89
29) Tetrahydrofuran	6.45	42	21367	23.946	ug/l	94
30) Chloroform	6.66	83	62885	4.592	ug/l	97
31) Cyclohexane	6.94	56	45115	4.471	ug/l #	82
32) 1,1,1-Trichloroethane	6.87	97	53689	4.463	ug/l	98
36) 1,1-Dichloropropene	7.14	75	47734	4.408	ug/l	95
37) Ethyl Acetate	6.18	43	20534	4.567	ug/l #	94
38) Carbon Tetrachloride	7.10	117	58590	4.683	ug/l	91

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 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 08 07:05:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	8.86	83	45063	3.991	ug/l	95
40) Benzene	7.45	78	113367	4.326	ug/l	99
41) Methacrylonitrile	6.44	41	22857	4.511	ug/l	95
42) 1,2-Dichloroethane	7.57	62	35442	4.279	ug/l	99
43) Isopropyl Acetate	9.24	43	24029	3.719	ug/l #	90
44) Trichloroethene	8.54	130	44799	4.488	ug/l	100
45) 1,2-Dichloropropane	8.93	63	26936	4.196	ug/l	94
46) Dibromomethane	9.05	93	19774	4.346	ug/l	89
47) Bromodichloromethane	9.37	83	42791	4.207	ug/l	97
48) Methyl methacrylate	9.11	41	15440	4.322	ug/l	96
49) 1,4-Dioxane	9.06	88	2764	69.900	ug/l #	79
51) 4-Methyl-2-Pentanone	10.29	43	80025	21.035	ug/l	93
52) Toluene	10.50	92	77413	4.769	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	38452	4.281	ug/l	100
54) cis-1,3-Dichloropropene	10.04	75	46461	4.199	ug/l	96
55) 1,1,2-Trichloroethane	11.19	97	23946	4.474	ug/l	96
56) Ethyl methacrylate	11.03	69	23210	3.991	ug/l	95
57) 1,3-Dichloropropane	11.40	76	35806	4.431	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	75458	28.642	ug/l	92
59) 2-Hexanone	11.52	43	62134	21.641	ug/l	99
60) Dibromochloromethane	11.68	129	36947	4.337	ug/l	94
61) 1,2-Dibromoethane	11.80	107	27651	4.378	ug/l	96
64) Tetrachloroethene	11.26	164	36348	5.152	ug/l	94
65) Chlorobenzene	12.40	112	92858	5.094	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	35060	4.836	ug/l	93
67) Ethyl Benzene	12.52	91	151544	5.219	ug/l	100
68) m/p-Xylenes	12.66	106	115484	10.767	ug/l	94
69) o-Xylene	13.05	106	54490	5.253	ug/l	92
70) Styrene	13.07	104	93605	5.270	ug/l	99
71) Bromoform	13.23	173	19964	4.615	ug/l	96
73) Isopropylbenzene	13.40	105	132956	4.122	ug/l	97
74) N-amyl acetate	13.26	43	33230	3.812	ug/l	92
75) 1,1,2,2-Tetrachloroethane	13.70	83	28312	4.390	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	28157	4.378	ug/l	99
77) Bromobenzene	13.67	156	42471	4.494	ug/l	78
78) n-propylbenzene	13.77	91	175771	4.633	ug/l	99
79) 2-Chlorotoluene	13.84	91	99192	4.572	ug/l	98
80) 1,3,5-Trimethylbenzene	13.93	105	115398	4.559	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	6983	3.508	ug/l	90
82) 4-Chlorotoluene	13.94	91	109882	4.635	ug/l	97
83) tert-Butylbenzene	14.19	119	137517	4.541	ug/l	87
84) 1,2,4-Trimethylbenzene	14.23	105	106171	4.081	ug/l	97
85) sec-Butylbenzene	14.37	105	149801	4.631	ug/l	97
86) p-Isopropyltoluene	14.48	119	131525	4.407	ug/l	97
87) 1,3-Dichlorobenzene	14.46	146	72786	4.523	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	75033	4.707	ug/l	97
89) n-Butylbenzene	14.79	91	112255	4.382	ug/l	96
90) Hexachloroethane	15.01	117	31609	4.103	ug/l	77
91) 1,2-Dichlorobenzene	14.80	146	62220	4.715	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	2899	3.593	ug/l #	38

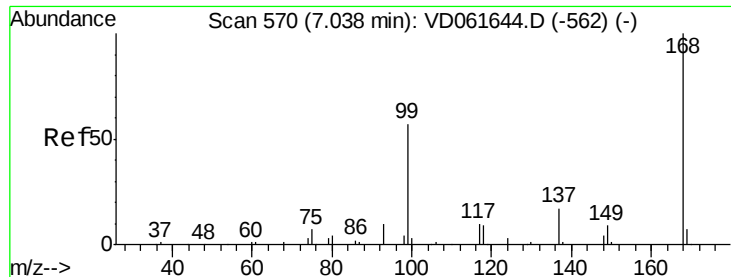
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040619\
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Quant Title : SW846 8260
QLast Update : Mon Apr 08 07:00:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	29001	4.344	ug/l	97
94) Hexachlorobutadiene	16.03	225	19248	3.747	ug/l	94
95) Naphthalene	16.12	128	45203	4.293	ug/l	100
96) 1,2,3-Trichlorobenzene	16.27	180	14228	4.304	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

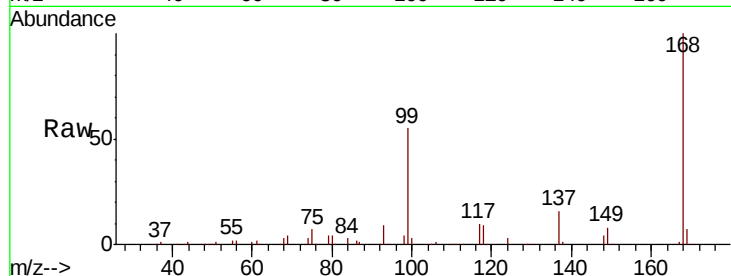
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:168 Resp: 725190

Ion Ratio Lower Upper

168 100

99 54.9 46.8 70.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

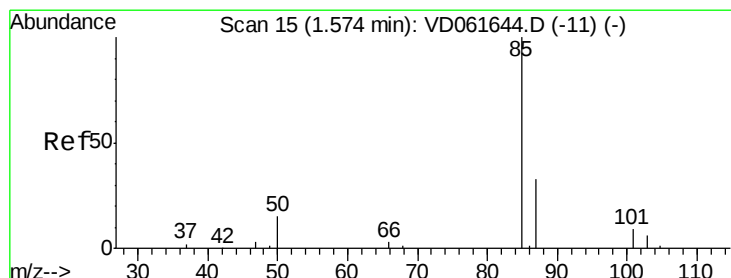
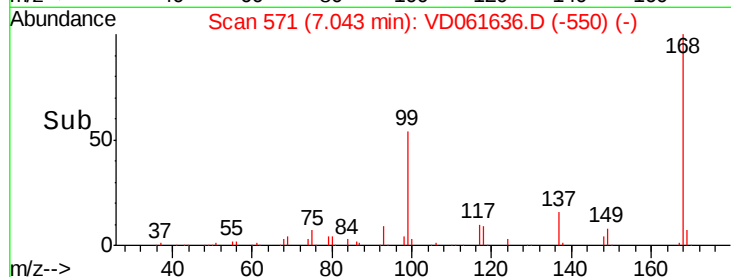
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 4.890 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061636.D

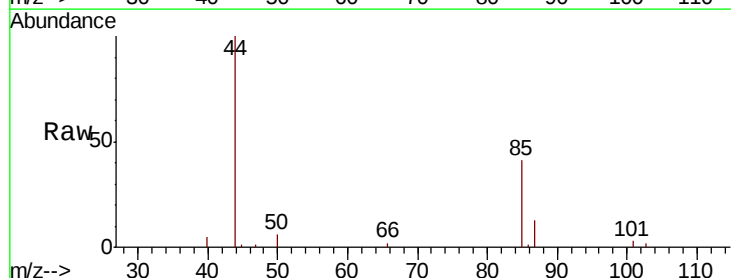
Acq: 6 Apr 2019 11:39

Tgt Ion: 85 Resp: 37211

Ion Ratio Lower Upper

85 100

87 32.9 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

15000

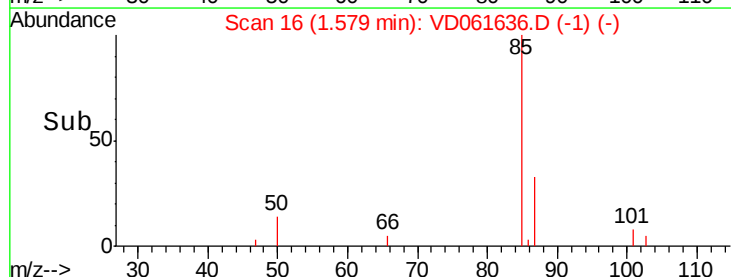
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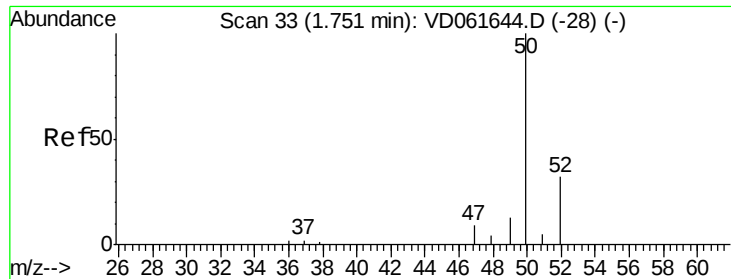
5000

0

1.50 1.60 1.70

Time-->

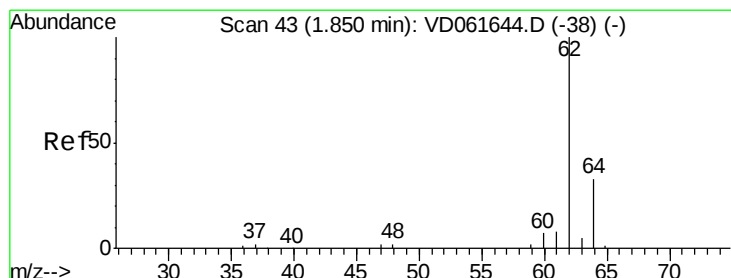
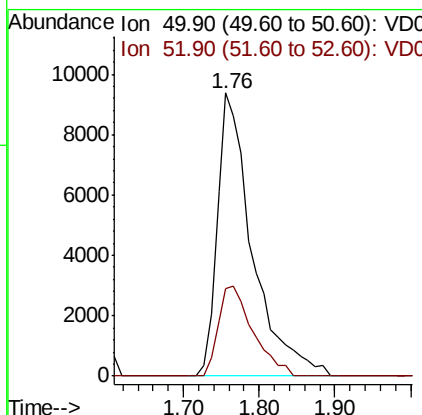
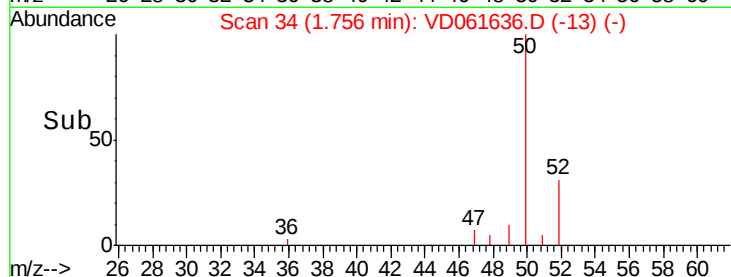
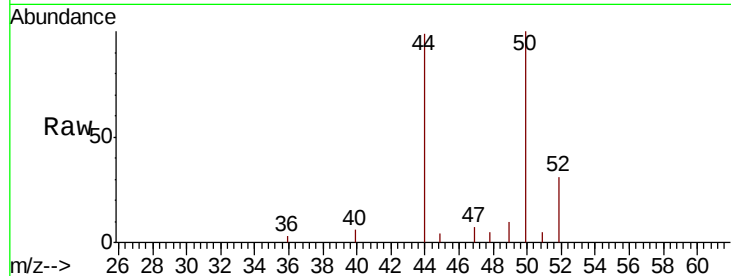




#3
 Chloromethane
 Concen: 4.912 ug/l
 RT: 1.76 min Scan# 34
 Delta R.T. 0.00 min
 Lab File: VD061636.D
 Acq: 6 Apr 2019 11:39

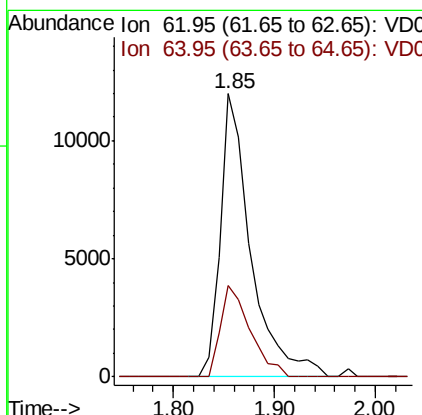
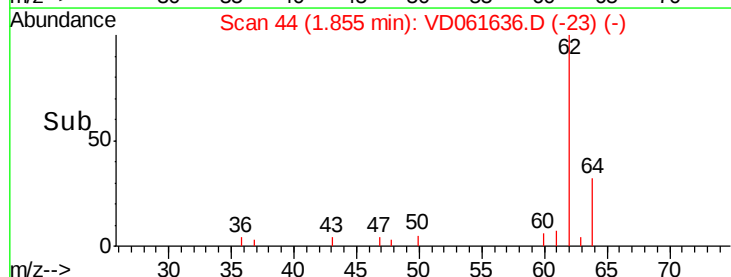
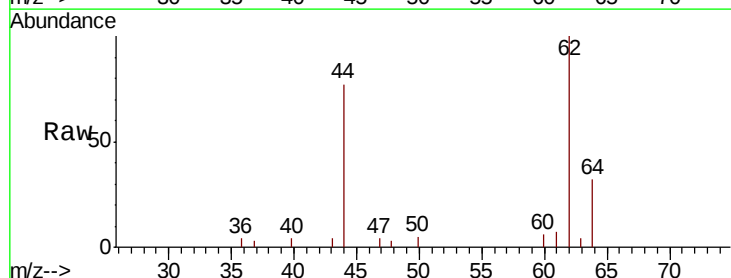
Instrument :
 MSVOA_D
 ClientSampleId :

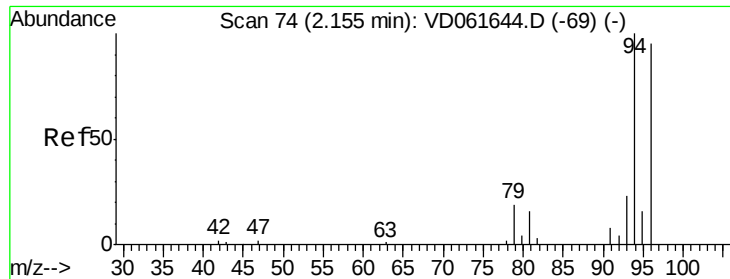
Tot Ion: 50 Resp: 30158
 Ion Ratio Lower Upper
 50 100
 52 31.2 25.1 37.7



#4
 Vinyl Chloride
 Concen: 4.291 ug/l
 RT: 1.85 min Scan# 44
 Delta R.T. 0.00 min
 Lab File: VD061636.D
 Acq: 6 Apr 2019 11:39

Tgt Ion: 62 Resp: 25311
 Ion Ratio Lower Upper
 62 100
 64 32.4 26.2 39.2





#5

Bromomethane

Concen: 5.633 ug/l

RT: 2.16 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

Instrument :

MSVOA_D

ClientSampled :

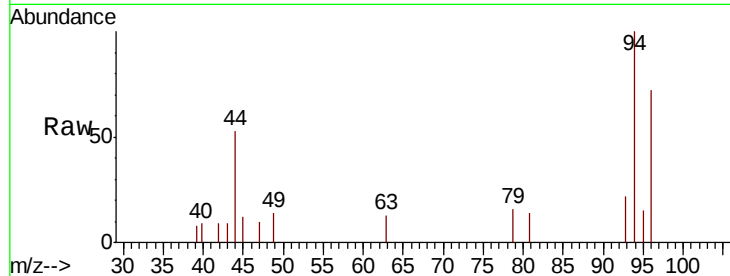
Tot Ion: 94 Resp: 7445

Ion Ratio Lower Upper

94 100

96 72.3 75.8 113.8#

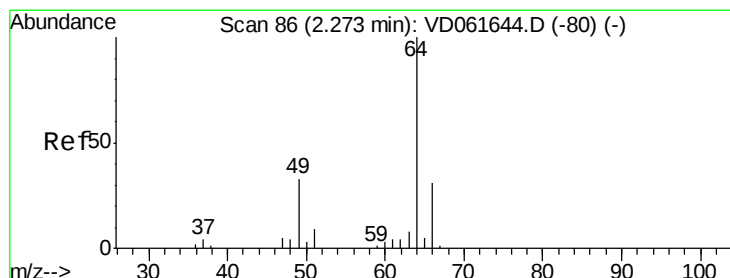
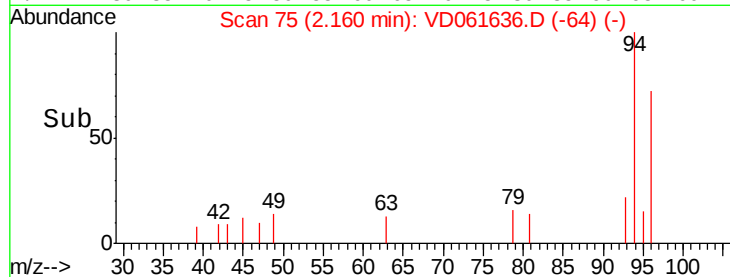
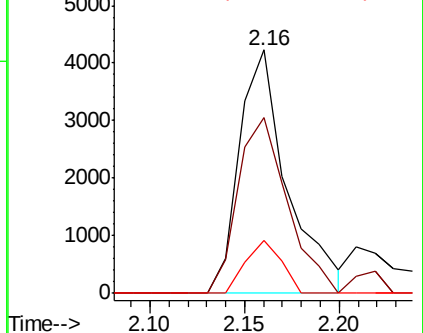
93 21.5 18.6 28.0



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: 4.696 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.00 min

Lab File: VD061636.D

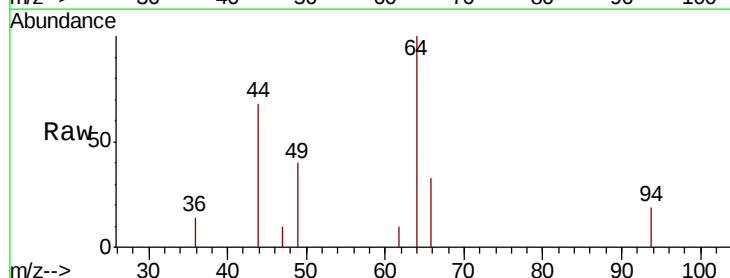
Acq: 6 Apr 2019 11:39

Tgt Ion: 64 Resp: 8702

Ion Ratio Lower Upper

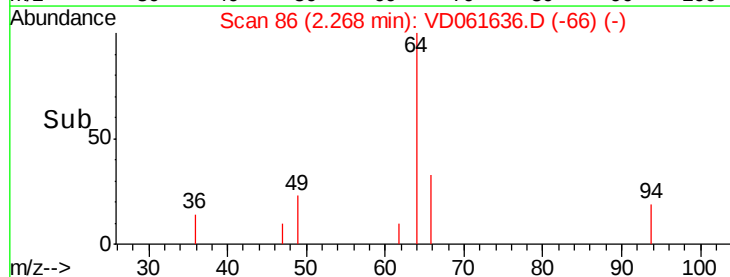
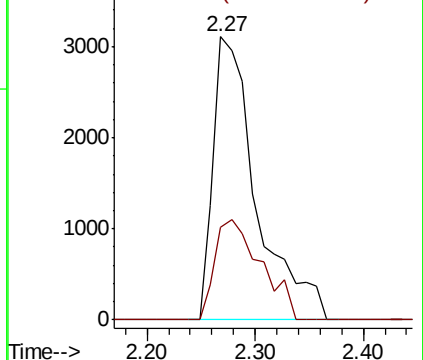
64 100

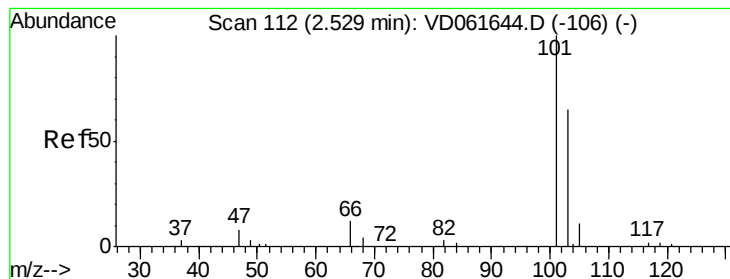
66 32.9 24.9 37.3



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



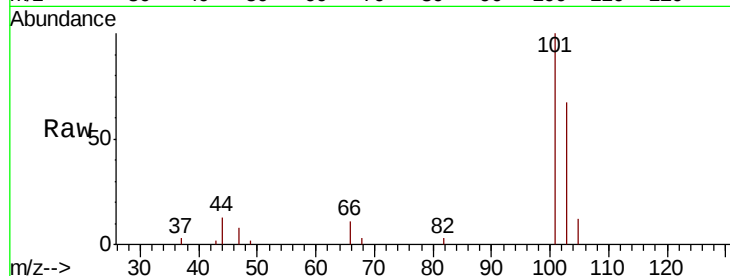


#7

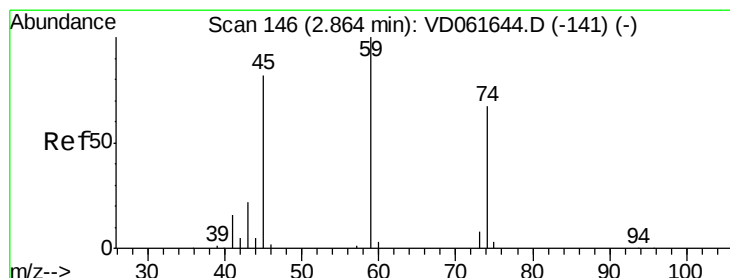
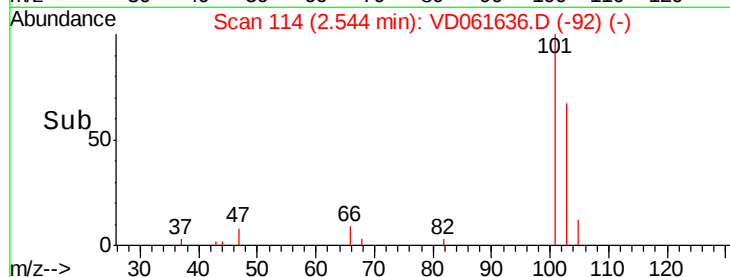
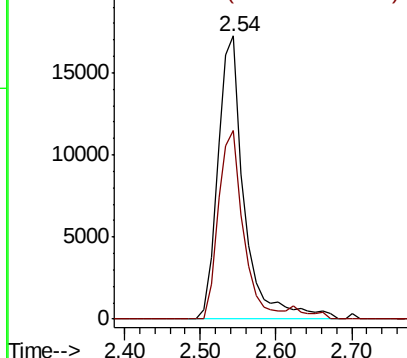
Trichlorofluoromethane
 Concen: 4.828 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. 0.01 min
 Lab File: VD061636.D
 Acq: 6 Apr 2019 11:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:101 Resp: 41911
 Ion Ratio Lower Upper
 101 100
 103 66.8 52.0 78.0



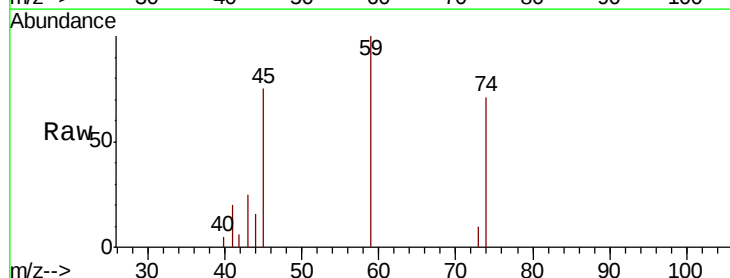
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



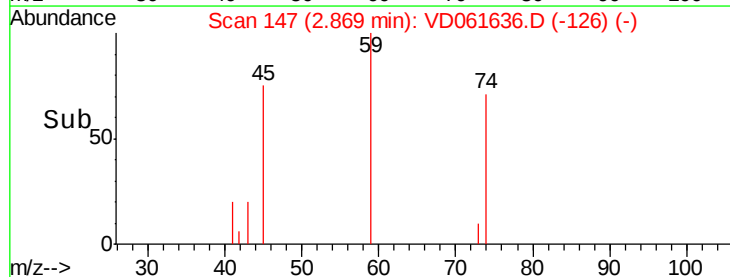
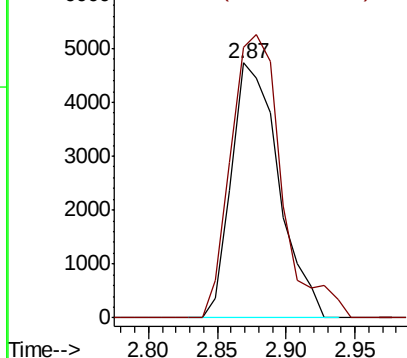
#8

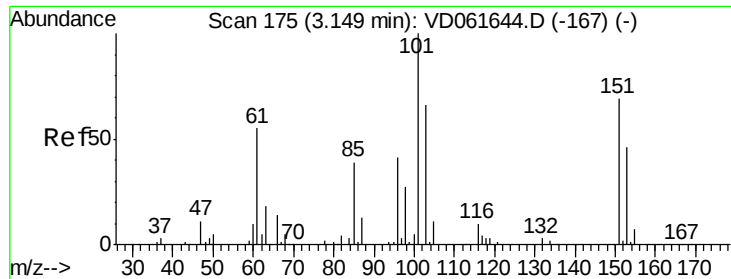
Diethyl Ether
 Concen: 4.499 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.00 min
 Lab File: VD061636.D
 Acq: 6 Apr 2019 11:39

Tgt Ion: 74 Resp: 11310
 Ion Ratio Lower Upper
 74 100
 45 106.2 61.0 183.0



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.740 ug/l

RT: 3.15 min Scan# 176

Delta R.T. 0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

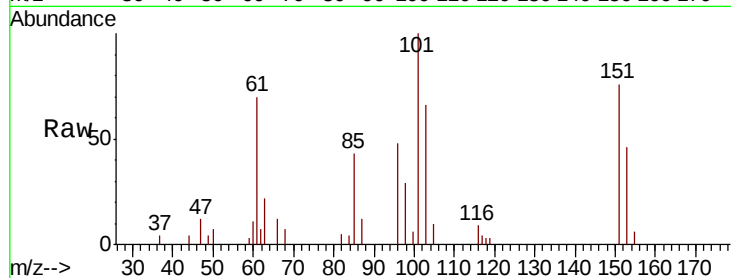
Tot Ion:101 Resp: 40964

Ion Ratio Lower Upper

101 100

85 43.4 31.0 46.6

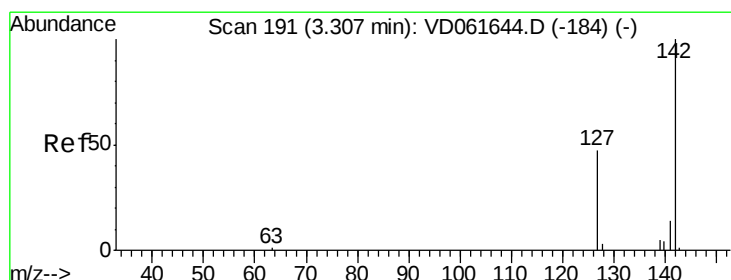
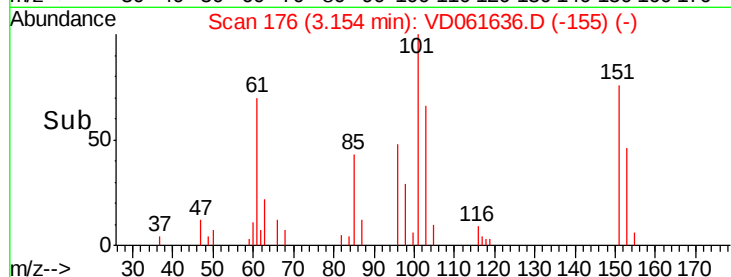
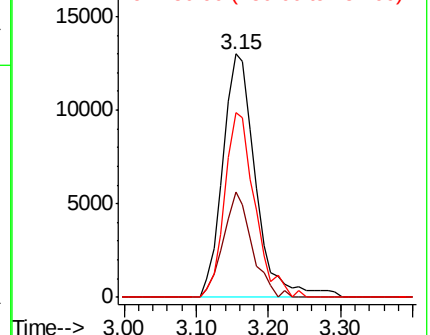
151 76.1 55.3 82.9



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: 2.613 ug/l

RT: 3.31 min Scan# 192

Delta R.T. 0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

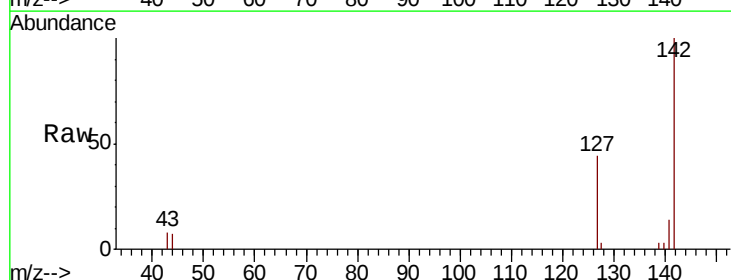
Tgt Ion:142 Resp: 29065

Ion Ratio Lower Upper

142 100

127 43.7 37.2 55.8

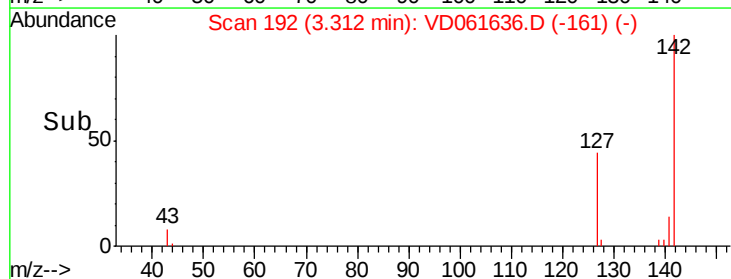
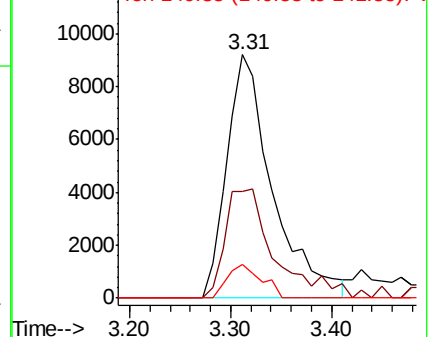
141 13.6 10.8 16.2

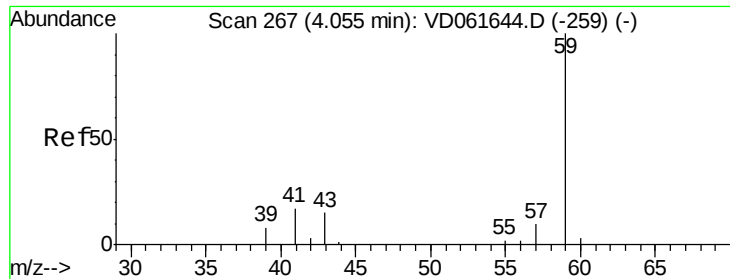


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



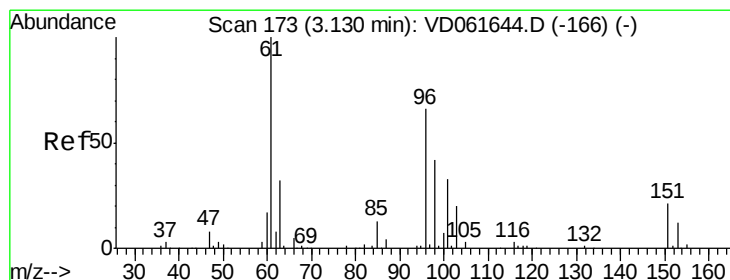
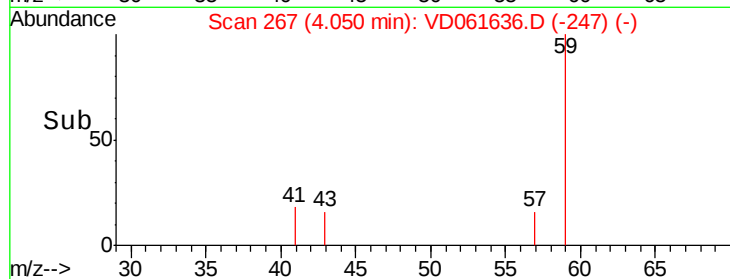
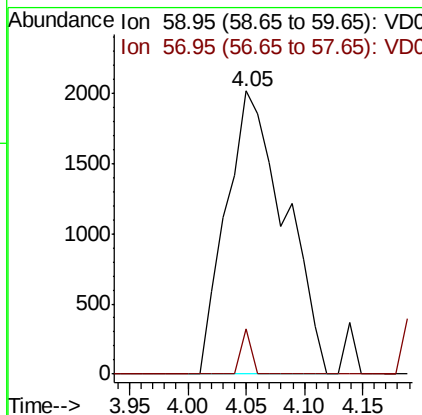
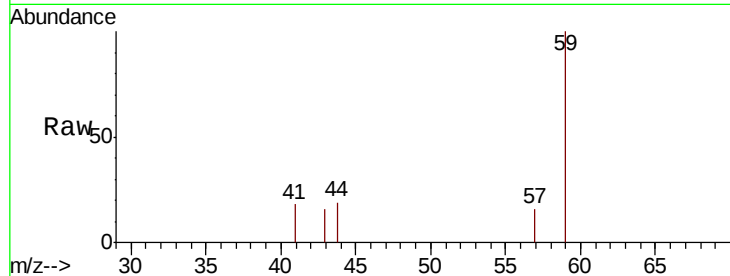


#11

Tert butyl alcohol
 Concen: 19.099 ug/l
 RT: 4.05 min Scan# 267
 Delta R.T. -0.00 min
 Lab File: VD061636.D
 Acq: 6 Apr 2019 11:39

Instrument :
 MSVOA_D
 ClientSampleId :

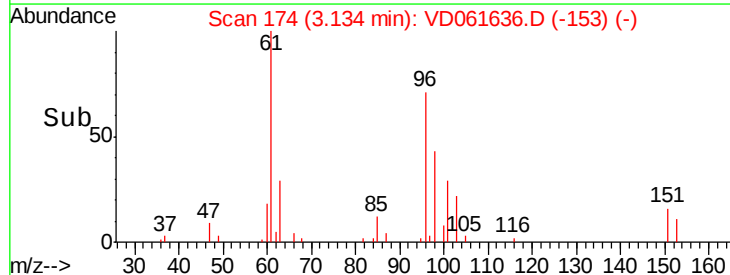
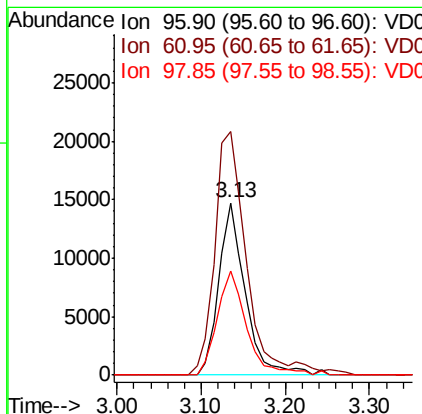
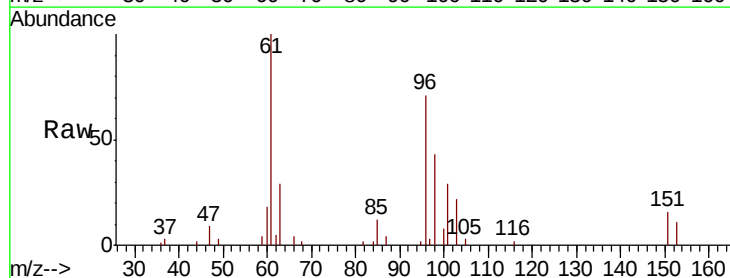
Tot Ion: 59 Resp: 7049
 Ion Ratio Lower Upper
 59 100
 57 15.9 8.4 12.6#

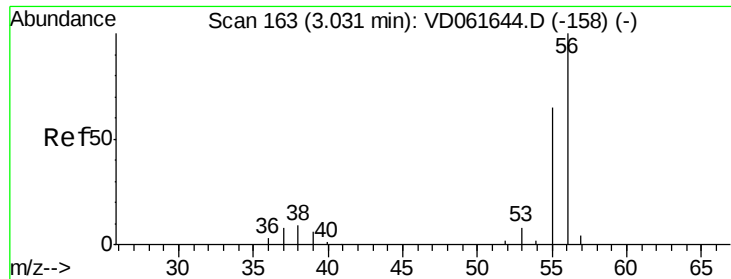


#12

1,1-Dichloroethene
 Concen: 4.313 ug/l
 RT: 3.13 min Scan# 174
 Delta R.T. 0.00 min
 Lab File: VD061636.D
 Acq: 6 Apr 2019 11:39

Tgt Ion: 96 Resp: 32324
 Ion Ratio Lower Upper
 96 100
 61 141.5 121.3 181.9
 98 60.1 50.6 76.0





#13

Acrolein

Concen: 25.230 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

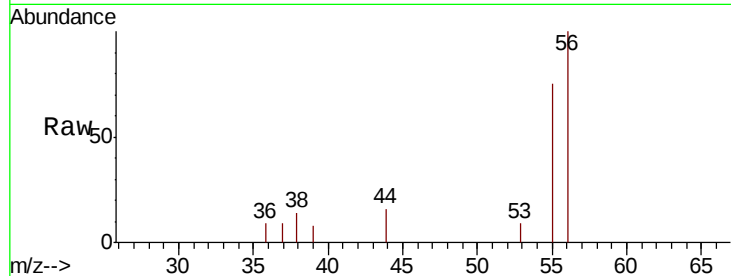
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 11185

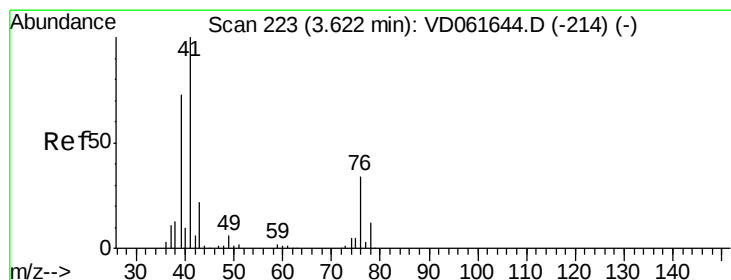
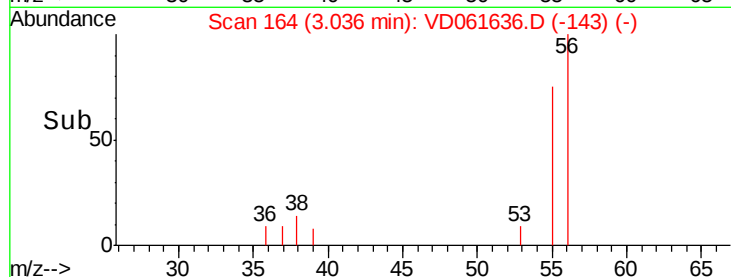
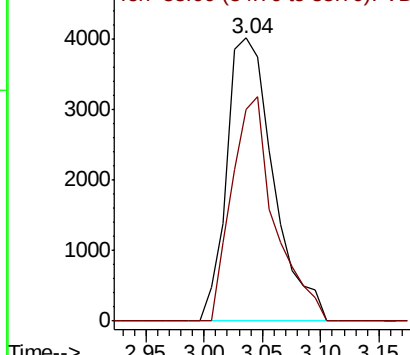
Ion Ratio Lower Upper

56 100

55 74.8 51.8 77.6



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 4.078 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

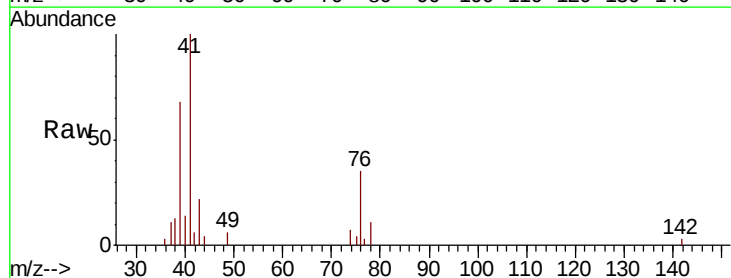
Tgt Ion: 41 Resp: 42457

Ion Ratio Lower Upper

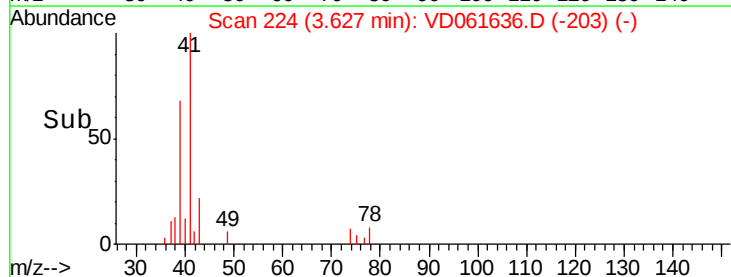
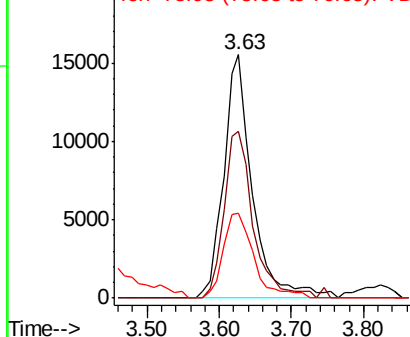
41 100

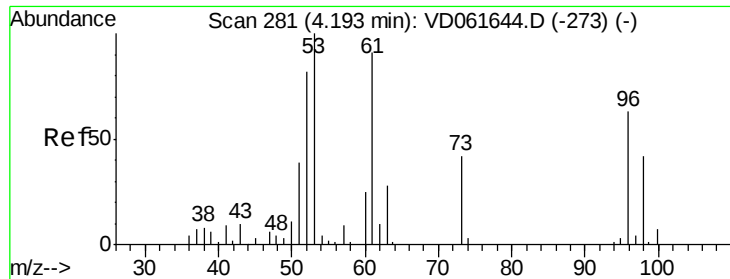
39 68.3 58.2 87.4

76 34.6 29.8 44.6



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: 23.407 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

Instrument :
MSVOA_D
ClientSampled :

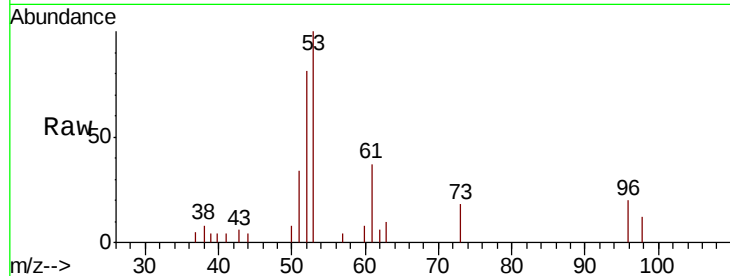
Tot Ion: 53 Resp: 28465

Ion Ratio Lower Upper

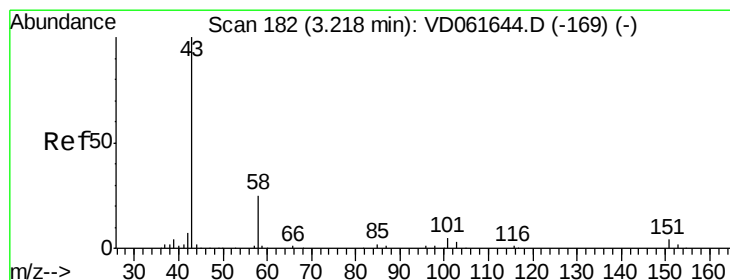
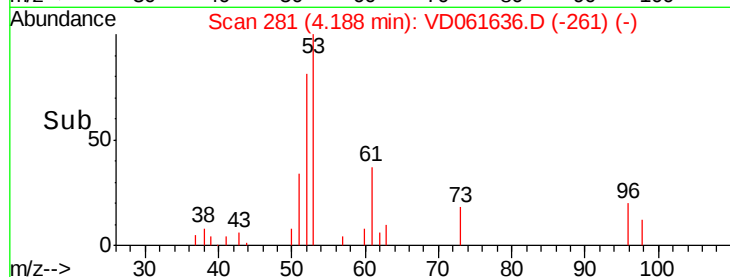
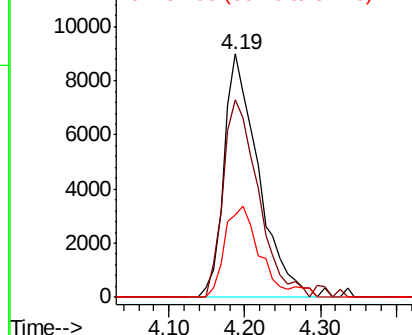
53 100

52 81.0 65.9 98.9

51 33.8 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: 21.257 ug/l

RT: 3.22 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061636.D

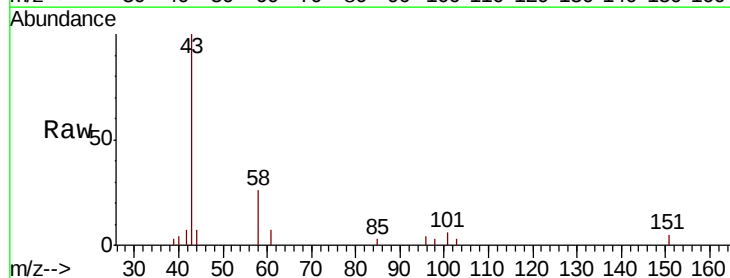
Acq: 6 Apr 2019 11:39

Tgt Ion: 43 Resp: 33890

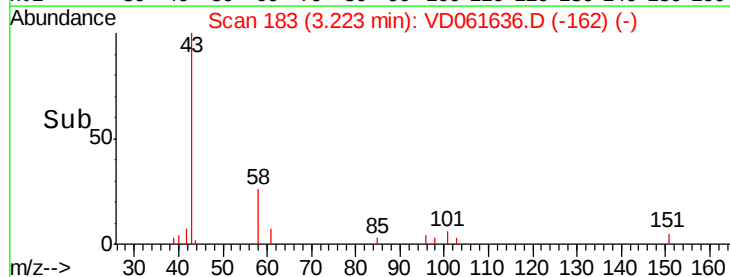
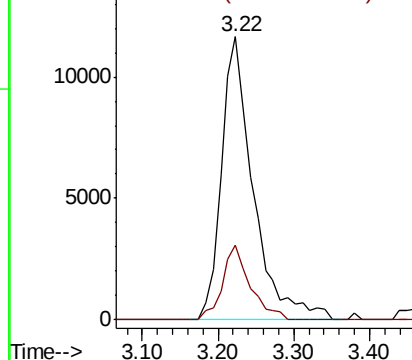
Ion Ratio Lower Upper

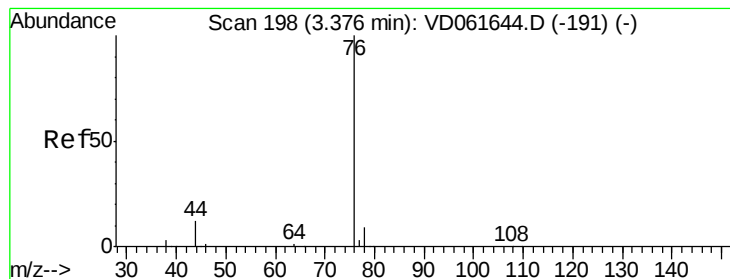
43 100

58 26.3 19.7 29.5



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





#17

Carbon Disulfide

Concen: 4.195 ug/l

RT: 3.38 min Scan# 199

Delta R.T. 0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

Instrument :

MSVOA_D

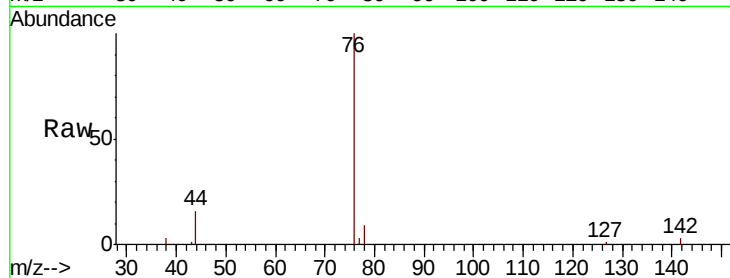
ClientSampleId :

Tot Ion: 76 Resp: 102231

Ion Ratio Lower Upper

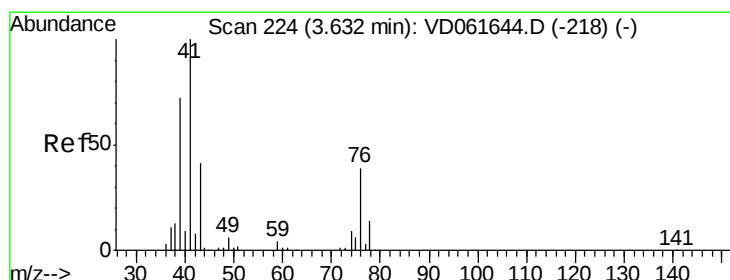
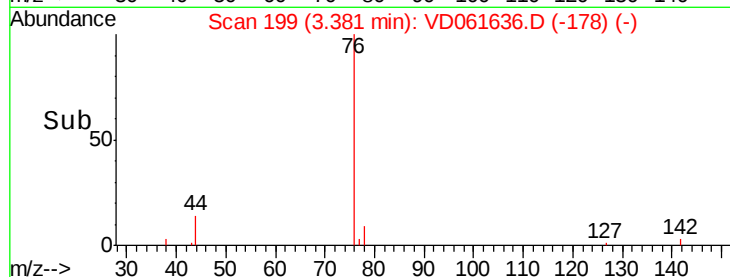
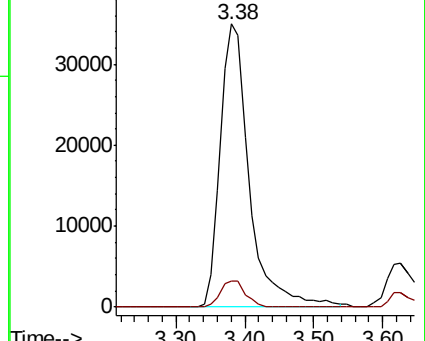
76 100

78 9.4 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 5.173 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.01 min

Lab File: VD061636.D

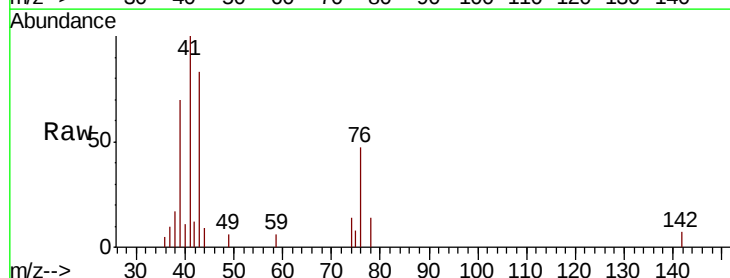
Acq: 6 Apr 2019 11:39

Tgt Ion: 43 Resp: 16030

Ion Ratio Lower Upper

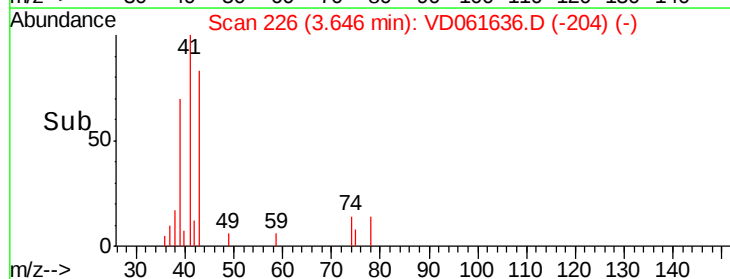
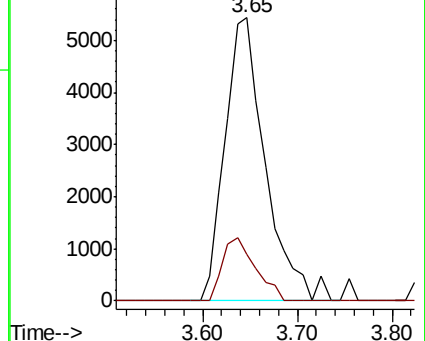
43 100

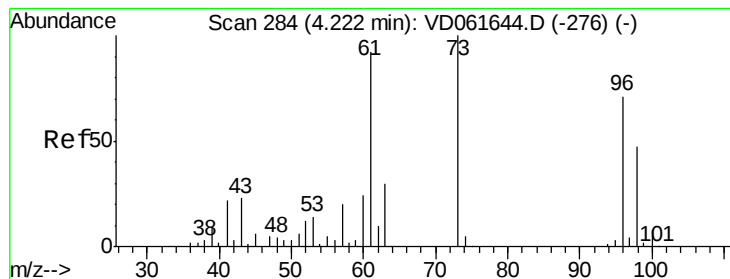
74 16.6 18.2 27.2#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC



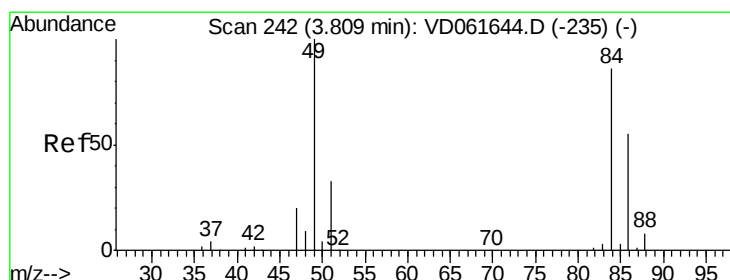
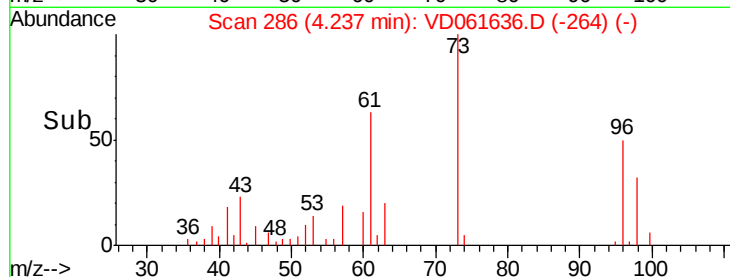
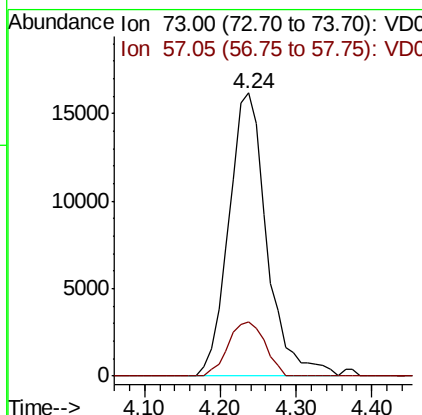
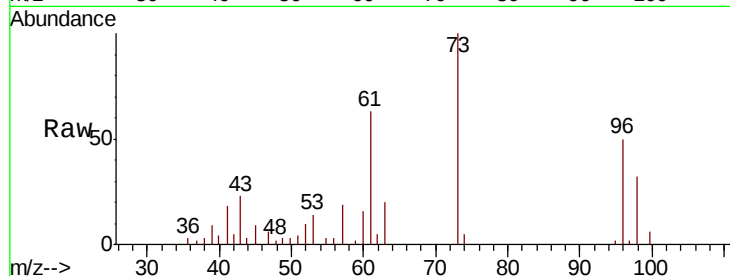


#19

Methyl tert-butyl Ether
 Concen: 4.382 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.01 min
 Lab File: VD061636.D
 Acq: 6 Apr 2019 11:39

Instrument :
 MSVOA_D
 ClientSampleID :

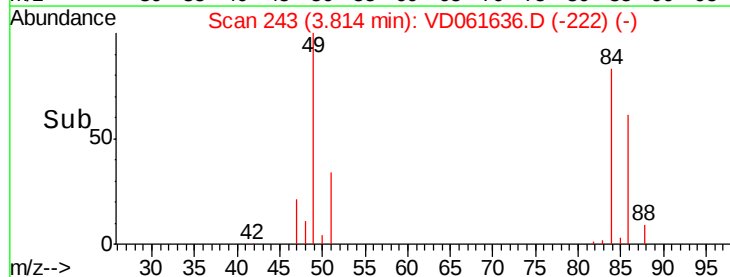
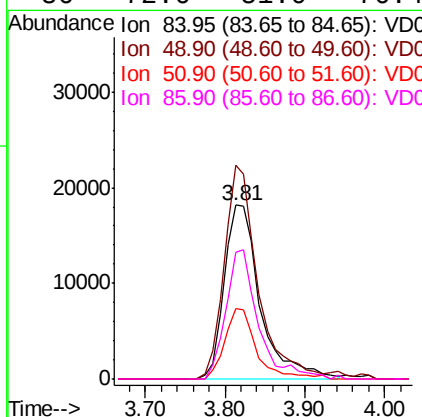
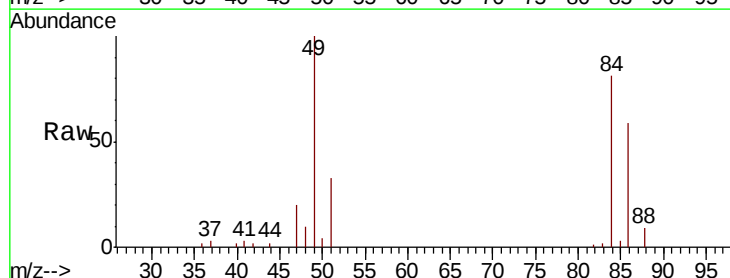
Tot Ion: 73 Resp: 56279
 Ion Ratio Lower Upper
 73 100
 57 19.0 16.0 24.0

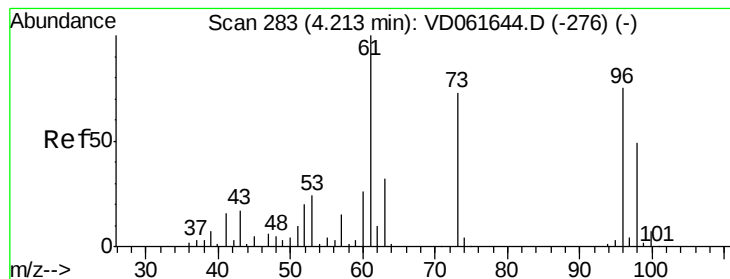


#20

Methylene Chloride
 Concen: 6.313 ug/l
 RT: 3.81 min Scan# 243
 Delta R.T. 0.00 min
 Lab File: VD061636.D
 Acq: 6 Apr 2019 11:39

Tgt Ion: 84 Resp: 57495
 Ion Ratio Lower Upper
 84 100
 49 122.7 93.0 139.4
 51 40.8 30.4 45.6
 86 72.6 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 4.424 ug/l

RT: 4.23 min Scan# 285

Delta R.T. 0.01 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

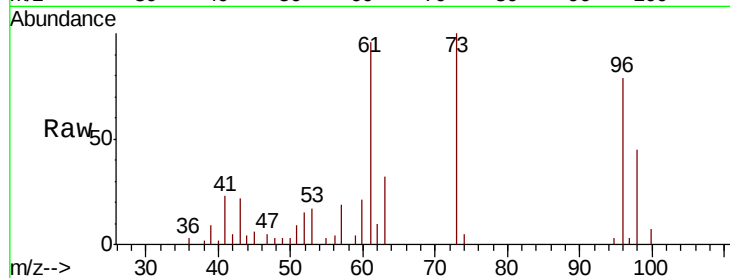
Tot Ion: 96 Resp: 35760

Ion Ratio Lower Upper

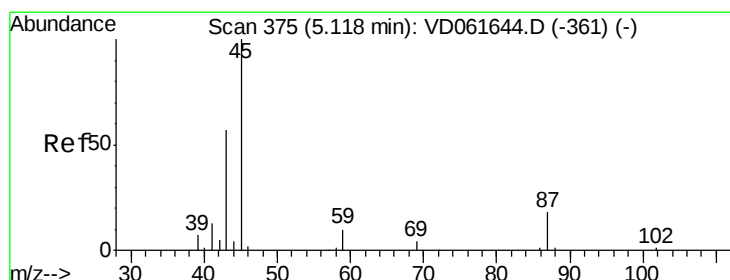
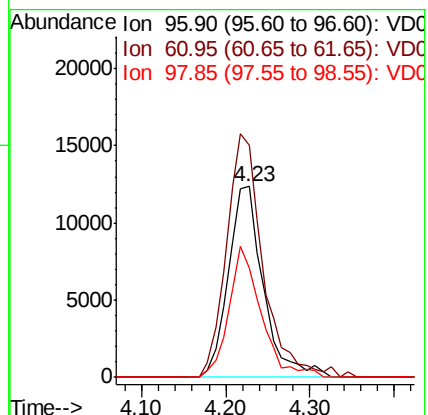
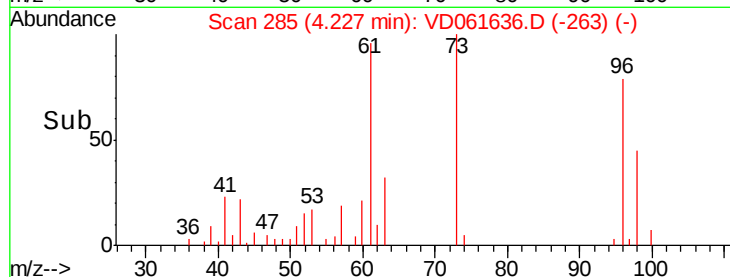
96 100

61 121.5 106.8 160.2

98 57.1 52.2 78.2



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



#22

Diisopropyl ether

Concen: 4.826 ug/l

RT: 5.11 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

Tgt Ion: 45 Resp: 103039

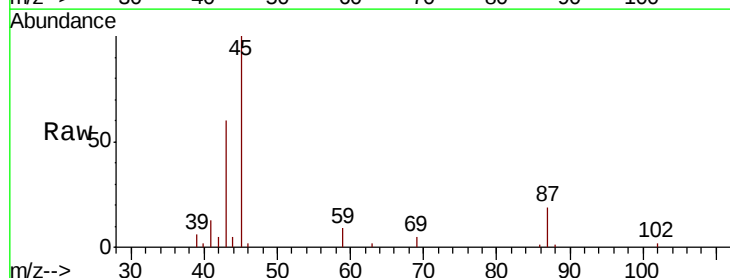
Ion Ratio Lower Upper

45 100

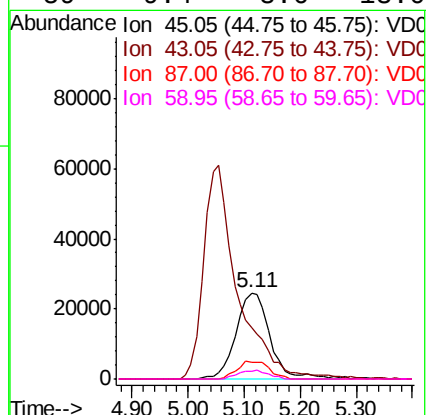
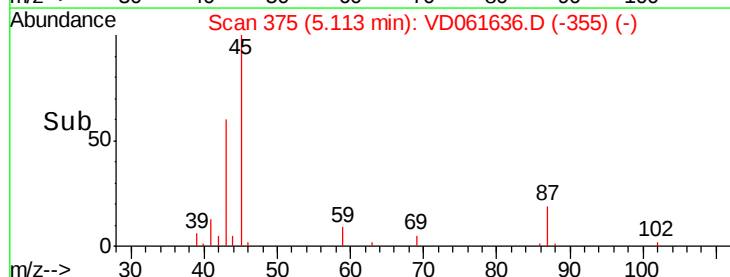
43 60.0 46.6 70.0

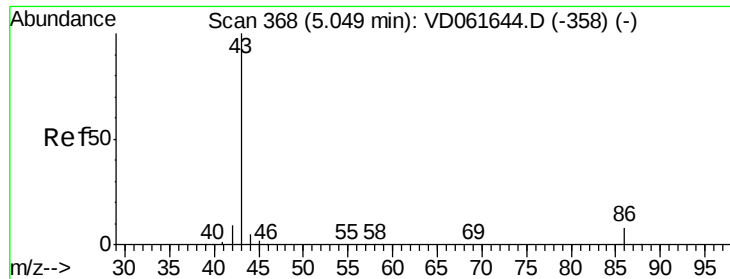
87 18.9 15.6 23.4

59 9.4 8.6 13.0



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: 21.612 ug/l

RT: 5.05 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

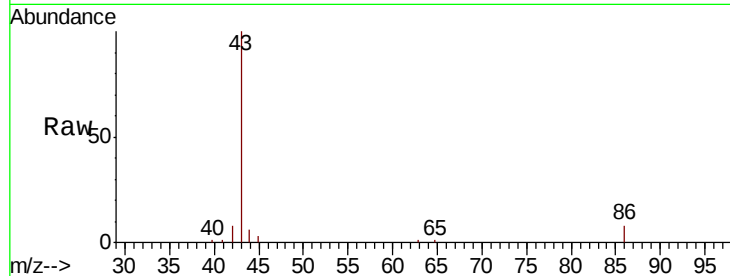
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 255076

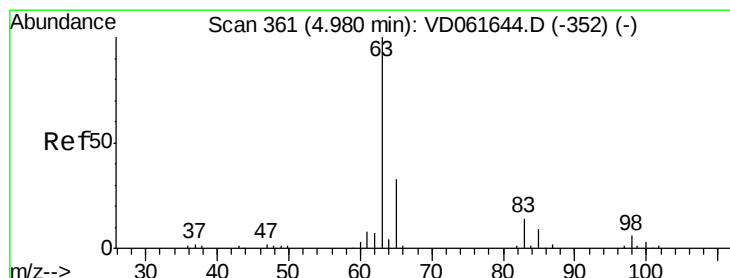
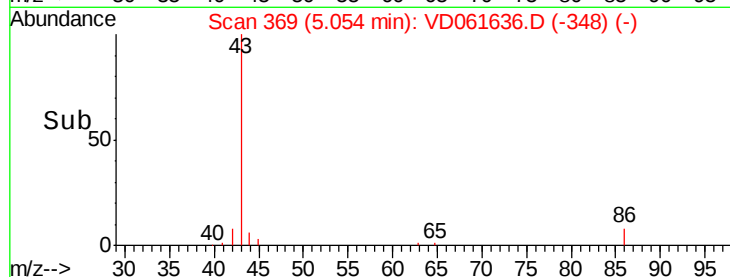
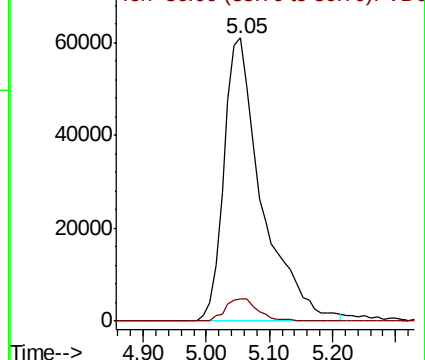
Ion Ratio Lower Upper

43 100

86 7.7 6.4 9.6



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 4.395 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

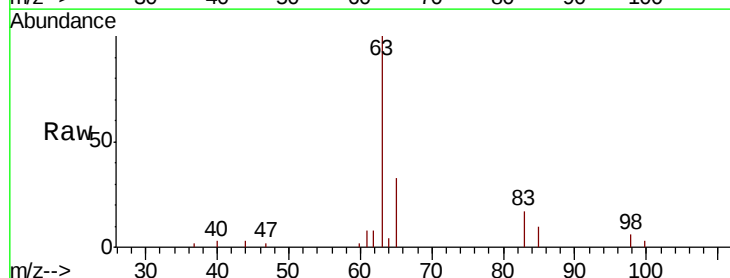
Tgt Ion: 63 Resp: 57836

Ion Ratio Lower Upper

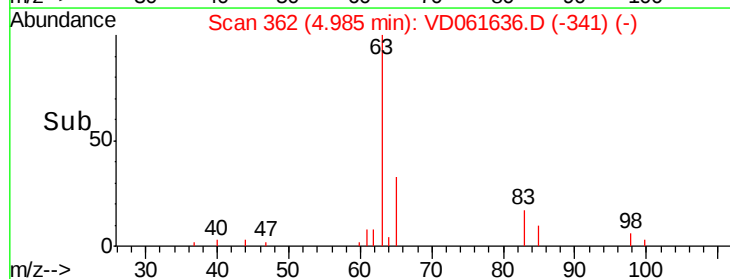
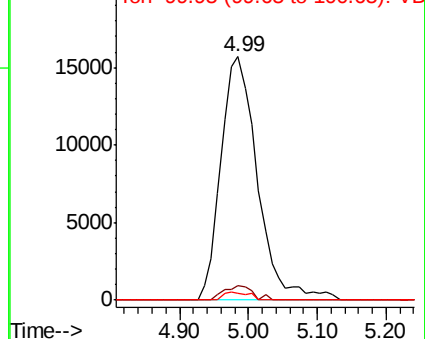
63 100

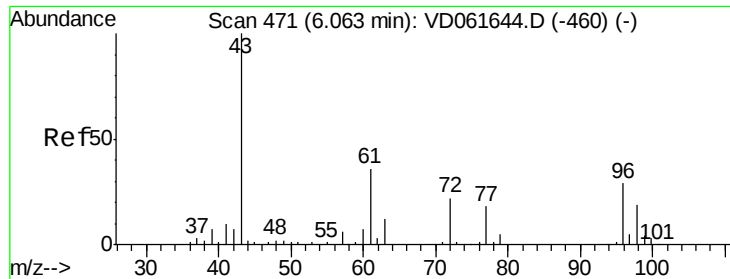
98 5.8 2.9 8.6

100 3.0 1.7 5.1



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: 21.390 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

Instrument :

MSVOA_D

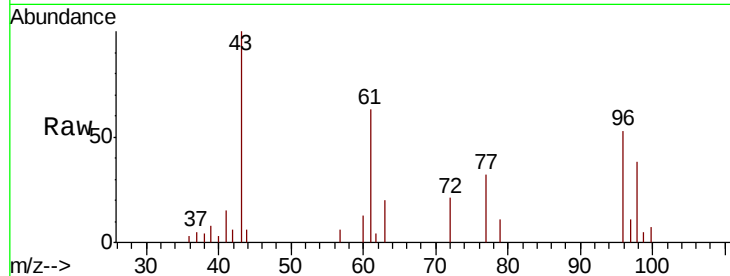
ClientSampleId :

Tot Ion: 43 Resp: 39853

Ion Ratio Lower Upper

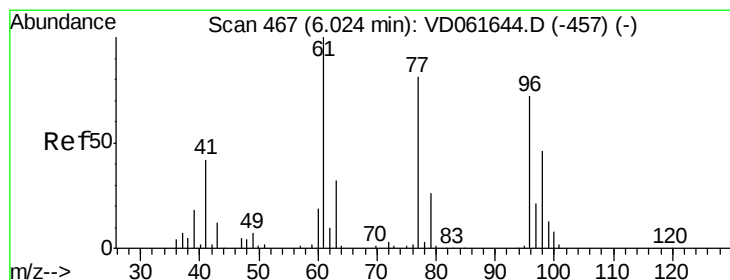
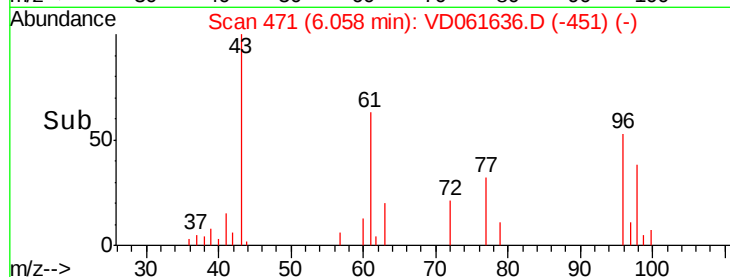
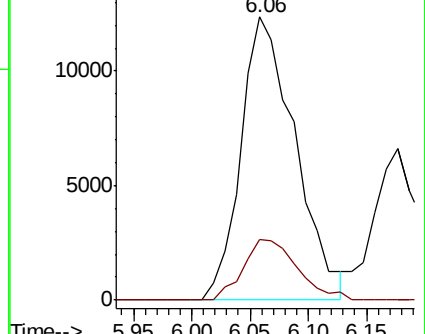
43 100

72 21.4 17.4 26.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 4.601 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD061636.D

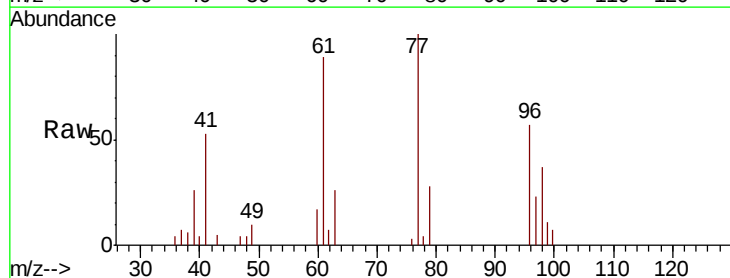
Acq: 6 Apr 2019 11:39

Tgt Ion: 77 Resp: 49191

Ion Ratio Lower Upper

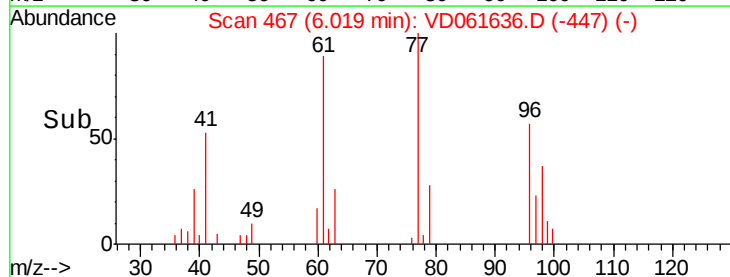
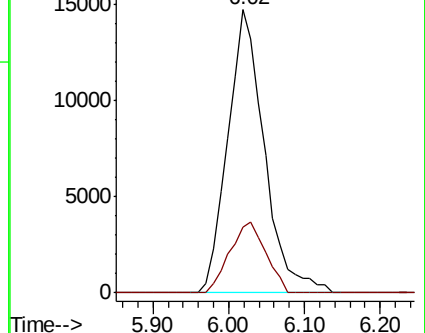
77 100

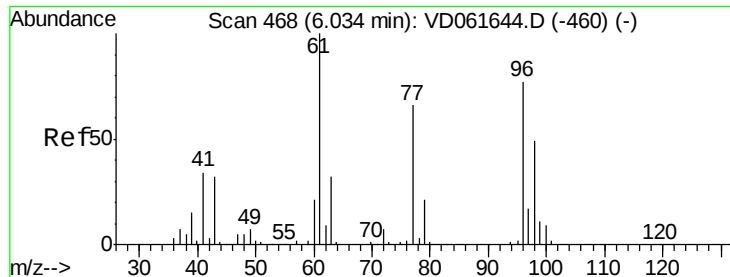
97 23.4 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



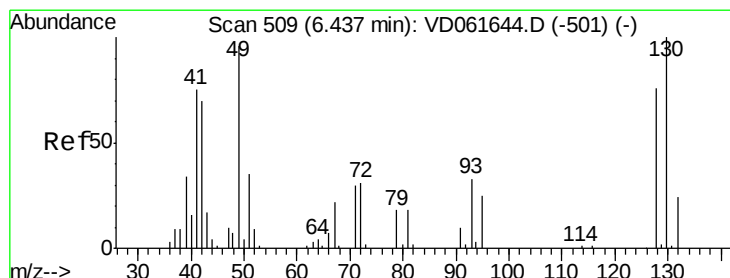
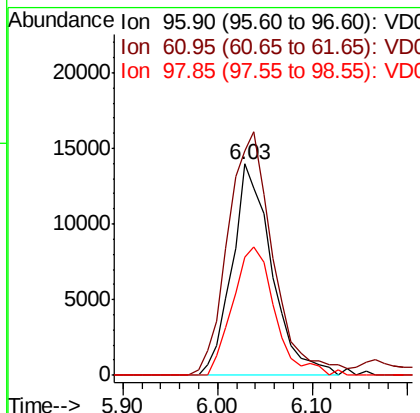
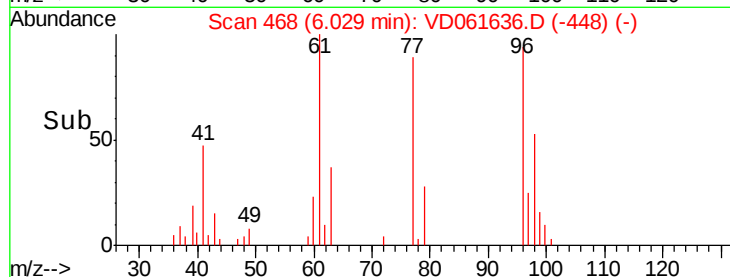
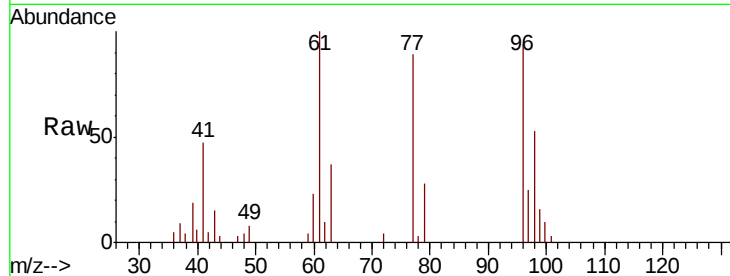


#27

cis-1,2-Dichloroethene
Concen: 4.727 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Instrument :
MSVOA_D
ClientSampleId :

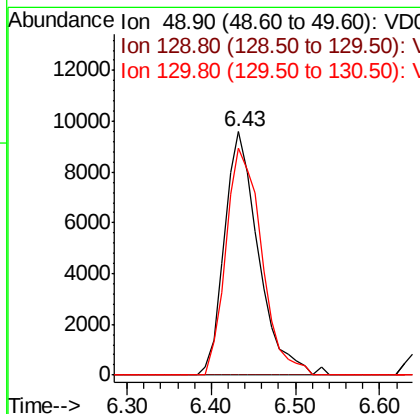
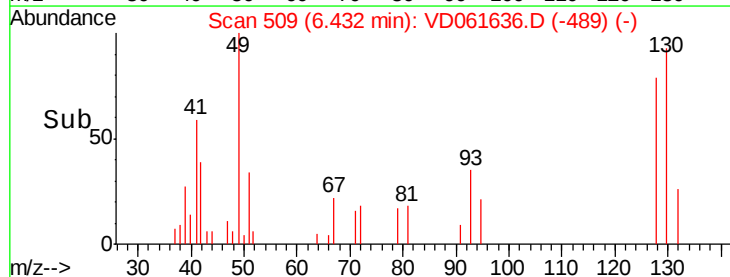
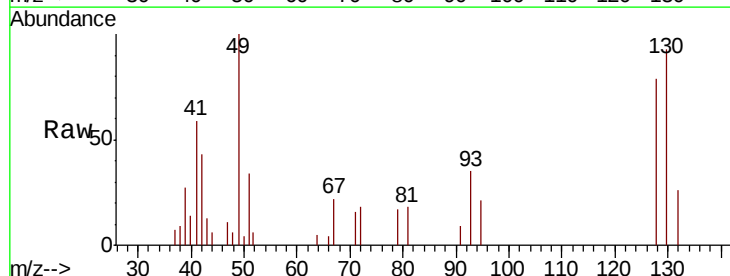
Tot Ion: 96 Resp: 40713
Ion Ratio Lower Upper
96 100
61 106.0 0.0 259.8
98 55.8 0.0 127.6

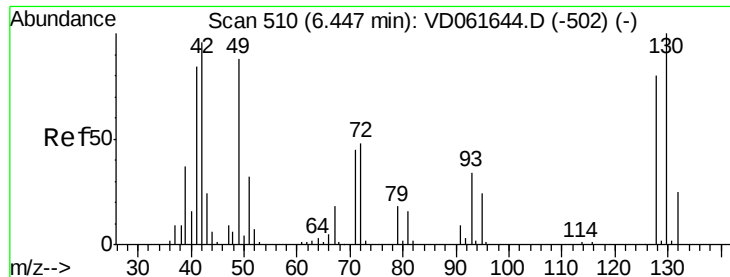


#28

Bromochloromethane
Concen: 5.743 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Tgt Ion: 49 Resp: 26989
Ion Ratio Lower Upper
49 100
129 0.0 0.0 4.0
130 93.2 83.3 124.9

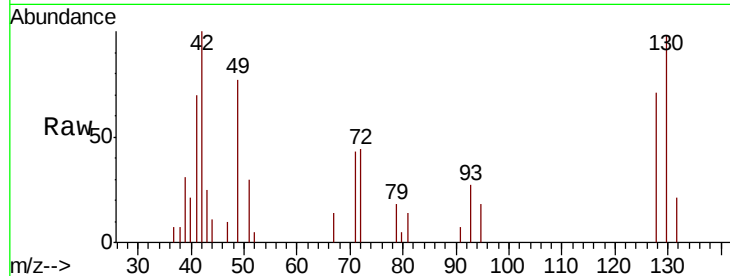




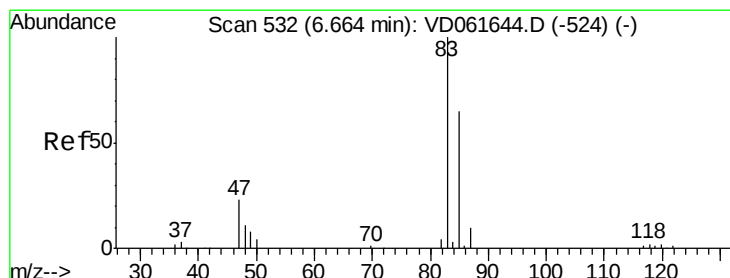
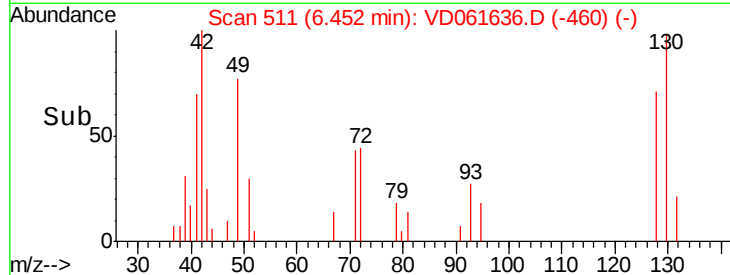
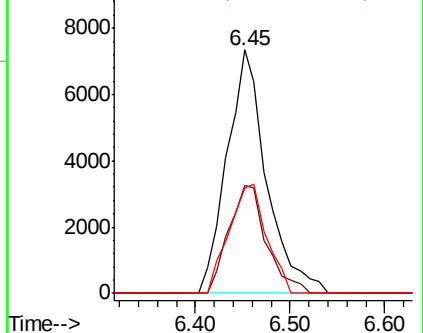
#29
Tetrahydrofuran
Concen: 23.946 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 21367
Ion Ratio Lower Upper
42 100
72 42.0 37.0 55.6
71 42.2 36.5 54.7

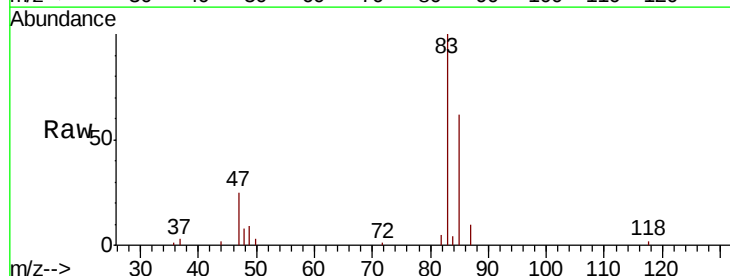


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

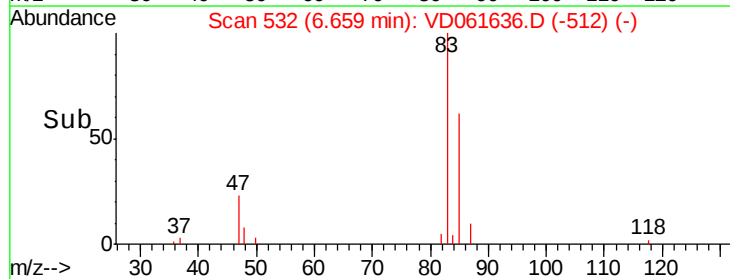
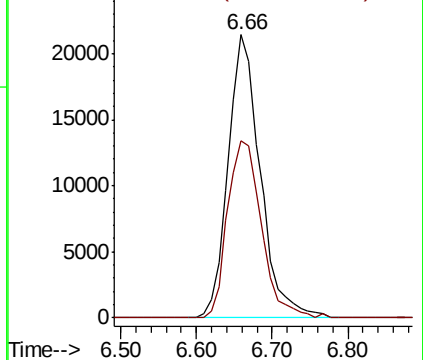


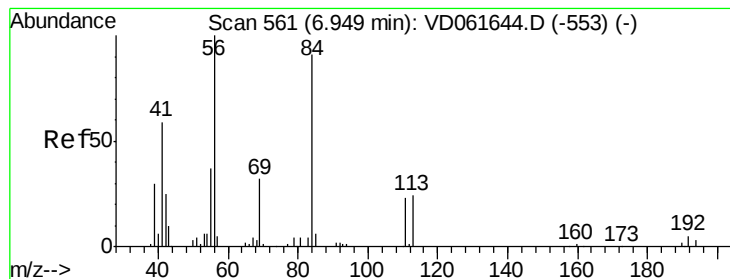
#30
Chloroform
Concen: 4.592 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Tgt Ion: 83 Resp: 62885
Ion Ratio Lower Upper
83 100
85 62.4 51.9 77.9



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





#31

Cyclohexane

Concen: 4.471 ug/l

RT: 6.94 min Scan# 561

Delta R.T. -0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

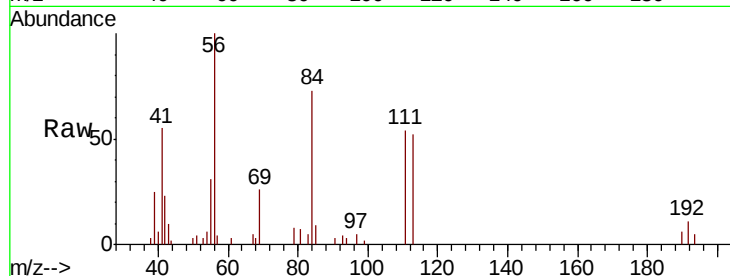
Tot Ion: 56 Resp: 45115

Ion Ratio Lower Upper

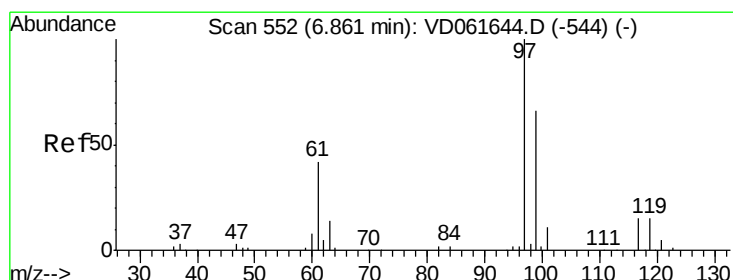
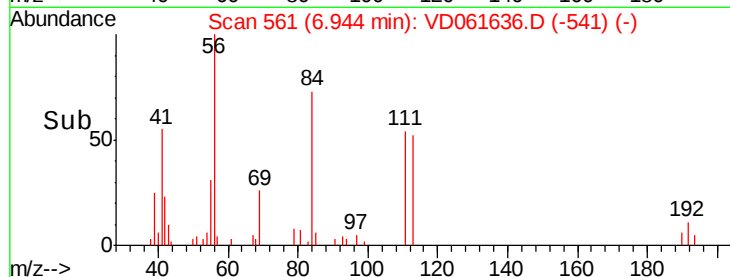
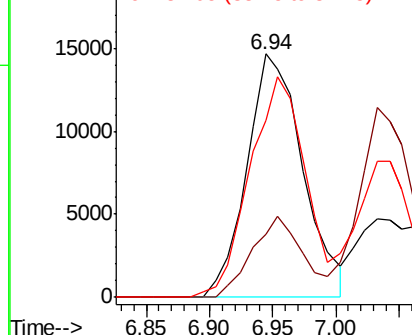
56 100

69 26.1 25.8 38.6

84 72.5 74.2 111.2#



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: 4.463 ug/l

RT: 6.87 min Scan# 553

Delta R.T. 0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

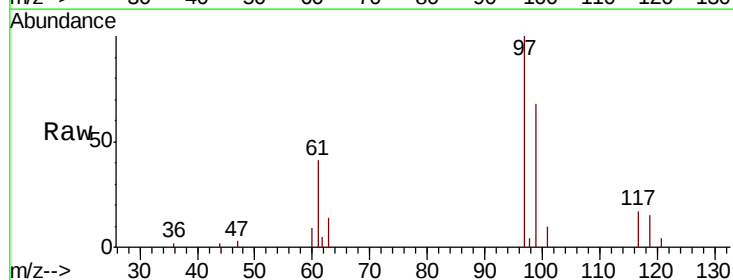
Tgt Ion: 97 Resp: 53689

Ion Ratio Lower Upper

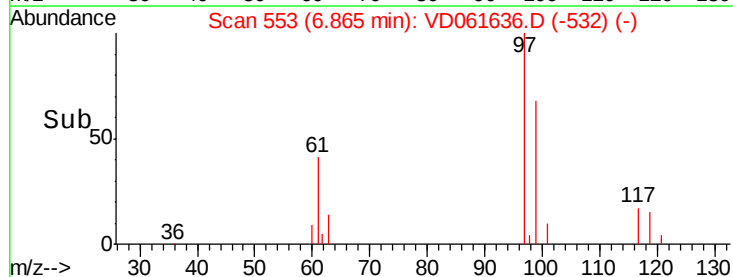
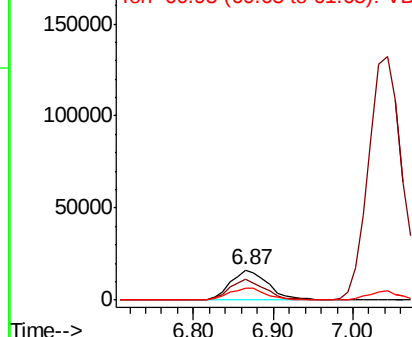
97 100

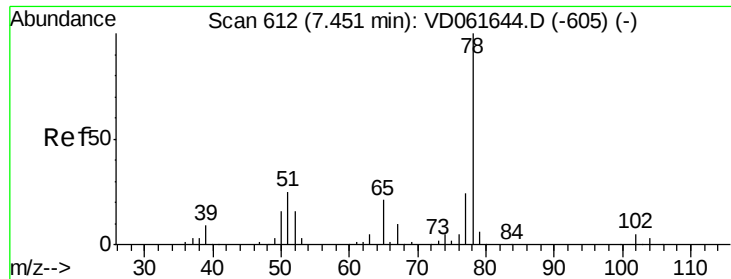
99 67.9 52.5 78.7

61 41.4 33.4 50.0



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: 4.463 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

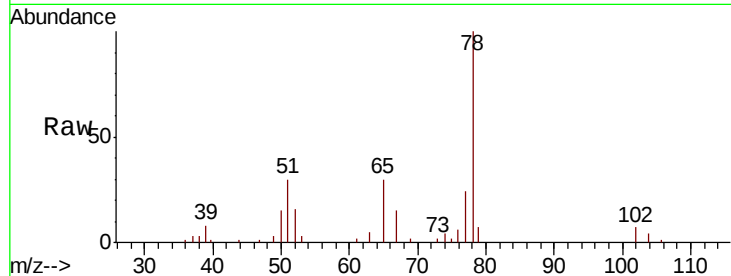
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 65 Resp: 31470

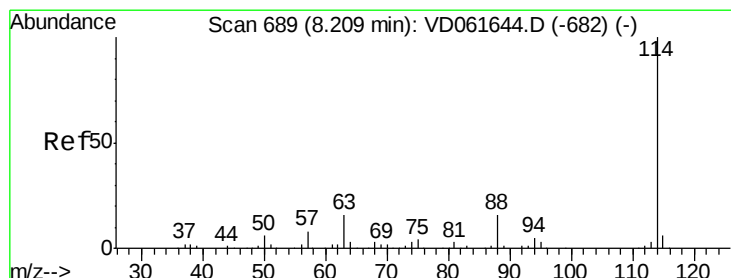
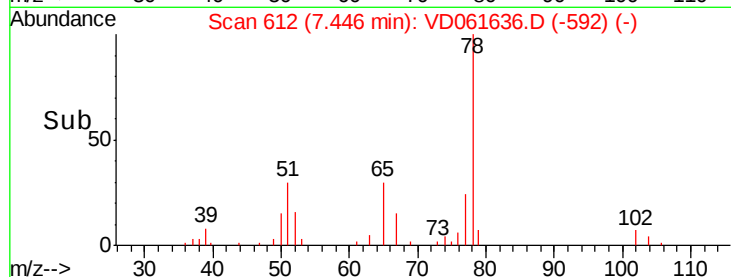
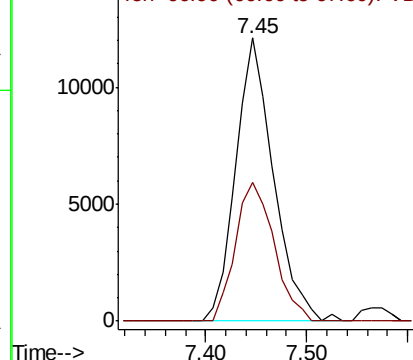
Ion Ratio Lower Upper

65 100

67 49.2 0.0 99.4



Abundance Ion 64.95 (64.65 to 65.65): VDC
Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.21 min Scan# 690

Delta R.T. 0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

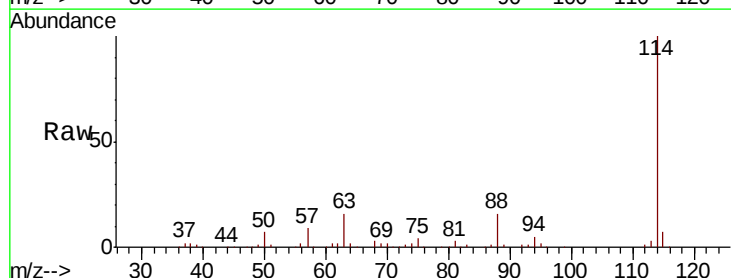
Tgt Ion:114 Resp: 1211320

Ion Ratio Lower Upper

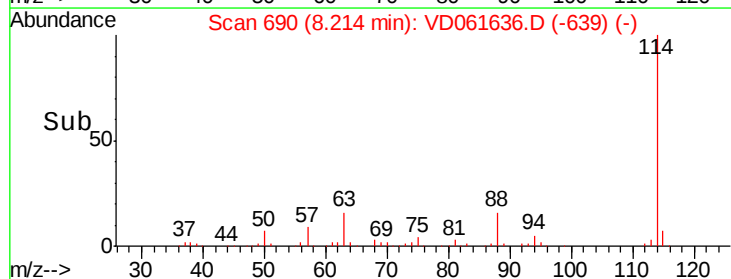
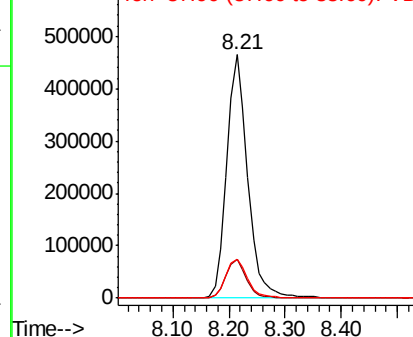
114 100

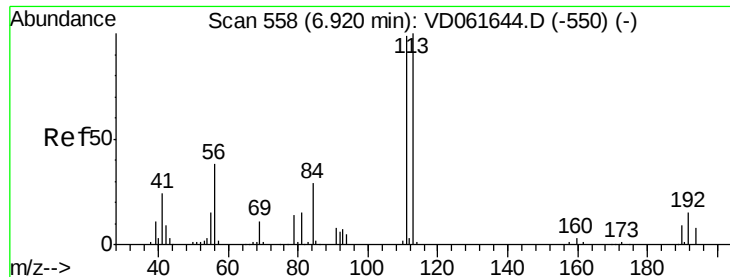
63 16.1 0.0 31.2

88 15.7 0.0 31.8



Abundance Ion 114.00 (113.70 to 114.70): VDC
Ion 62.95 (62.65 to 63.65): VDC
Ion 87.90 (87.60 to 88.60): VDC

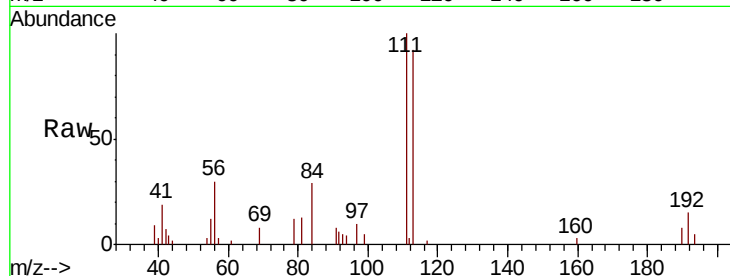




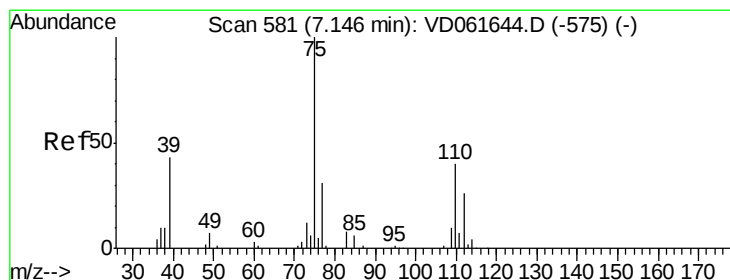
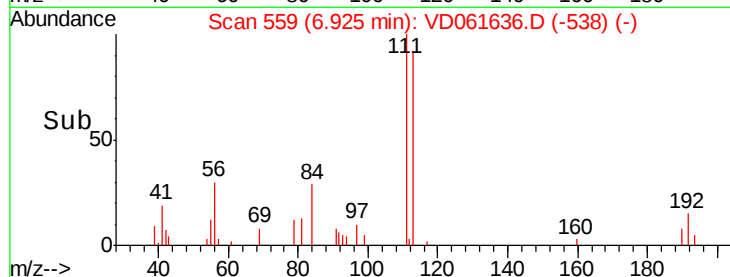
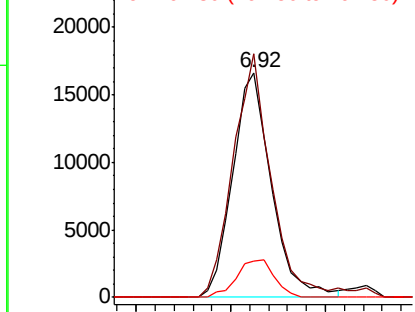
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 559
 Delta R.T. 0.00 min
 Lab File: VD061636.D
 Acq: 6 Apr 2019 11:39

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion:113 Resp: 47317
 Ion Ratio Lower Upper
 113 100
 111 108.3 79.3 118.9
 192 16.2 12.3 18.5

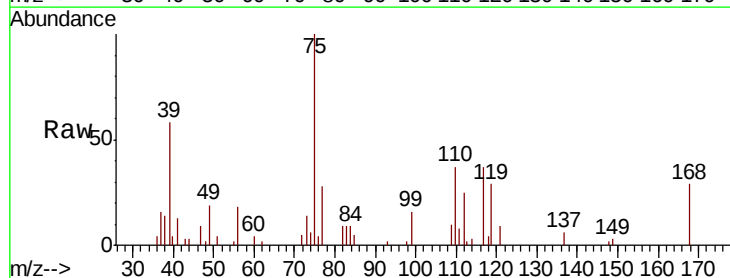


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

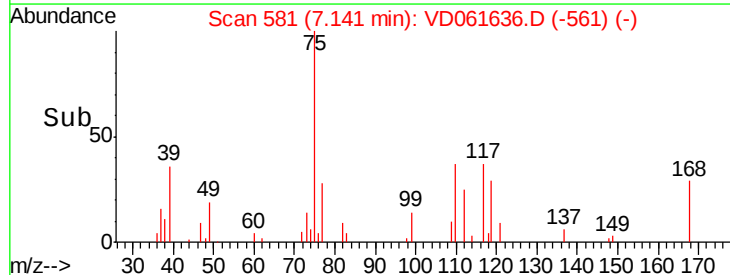
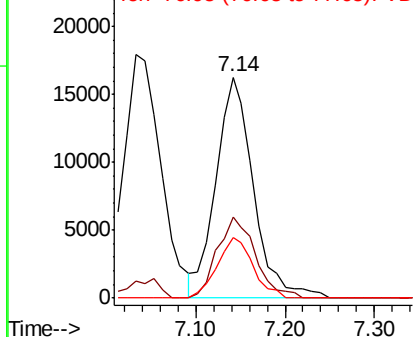


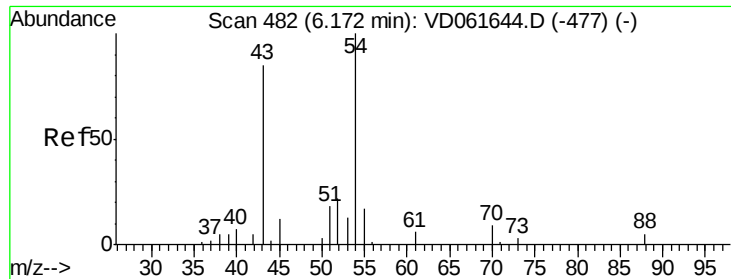
#36
 1,1-Dichloropropene
 Concen: 4.408 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. -0.00 min
 Lab File: VD061636.D
 Acq: 6 Apr 2019 11:39

Tgt Ion: 75 Resp: 47734
 Ion Ratio Lower Upper
 75 100
 110 36.8 19.7 59.0
 77 27.7 24.8 37.2



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

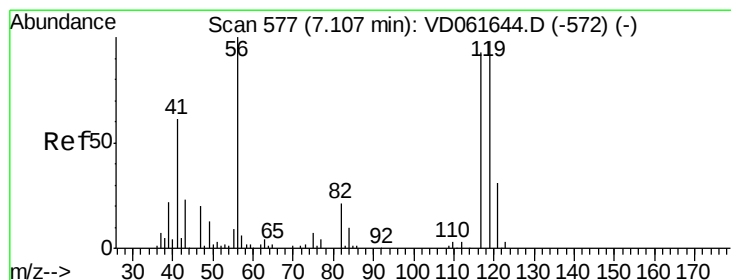
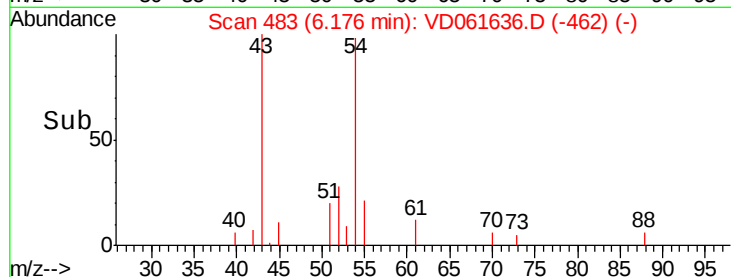
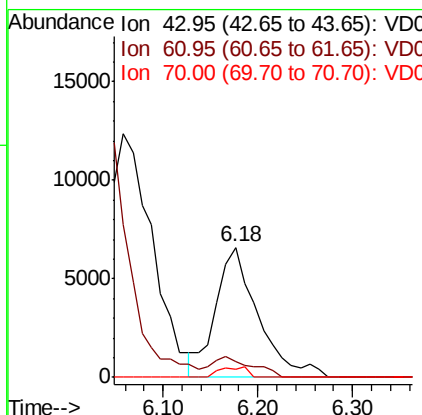
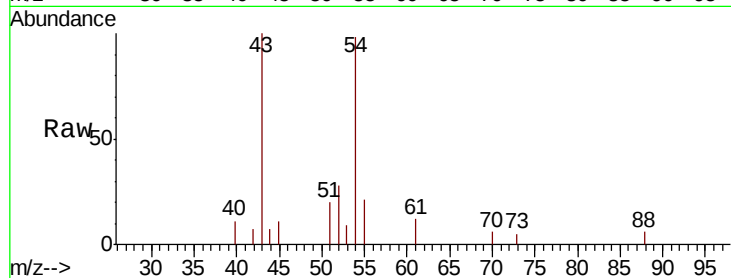




#37
Ethyl Acetate
Concen: 4.567 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

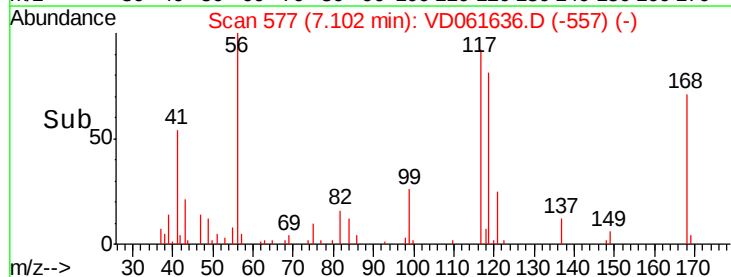
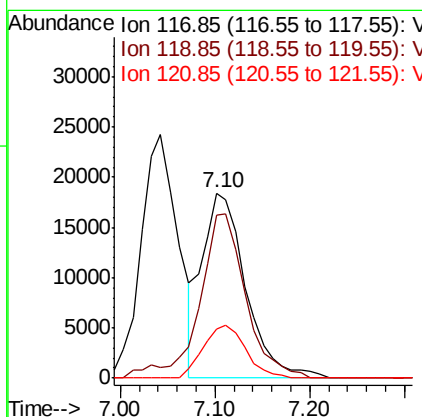
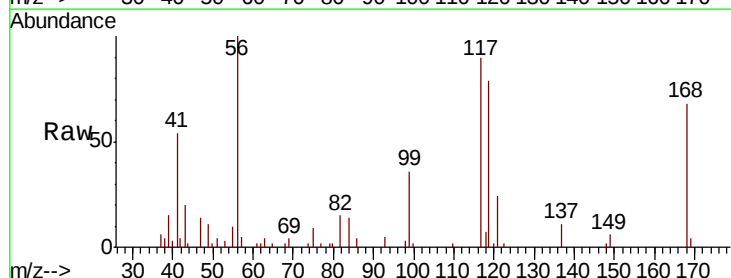
Instrument :
MSVOA_D
ClientSampleId :

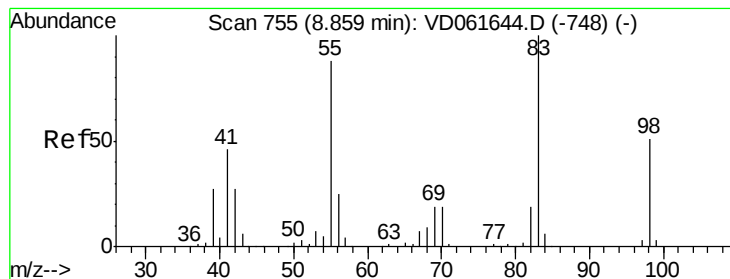
Tot Ion: 43 Resp: 20534
Ion Ratio Lower Upper
43 100
61 12.3 11.9 17.9
70 6.4 6.9 10.3#



#38
Carbon Tetrachloride
Concen: 4.683 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Tgt Ion: 117 Resp: 58590
Ion Ratio Lower Upper
117 100
119 88.1 77.9 116.9
121 26.8 24.7 37.1





#39

Methvlcvclohexane

Concen: 3.991 ug/l

RT: 8.86 min Scan# 756

Delta R.T. 0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

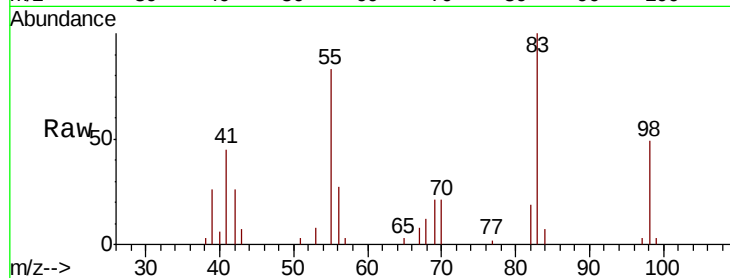
Tot Ion: 83 Resp: 45063

Ion Ratio Lower Upper

83 100

55 82.8 70.3 105.5

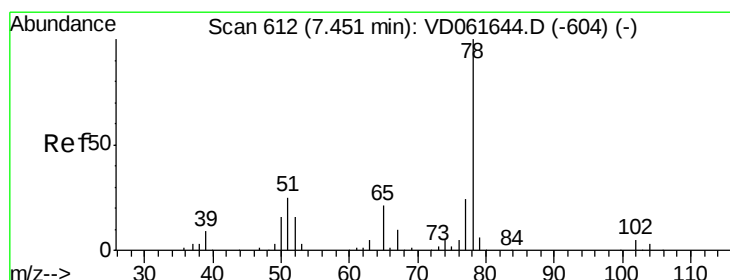
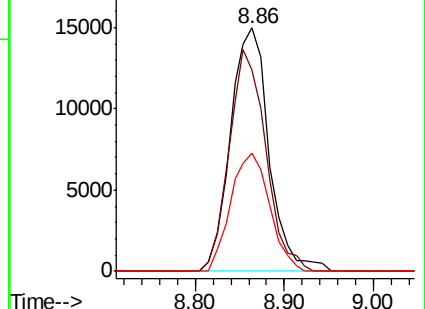
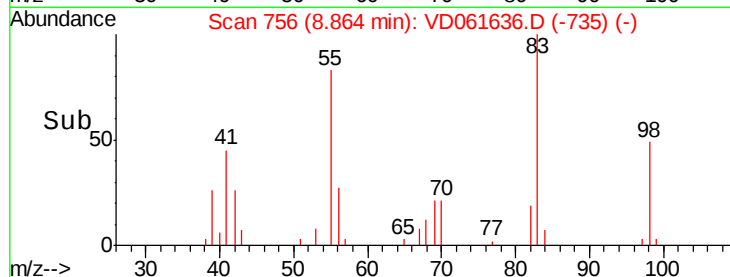
98 48.8 41.0 61.6



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: 4.326 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061636.D

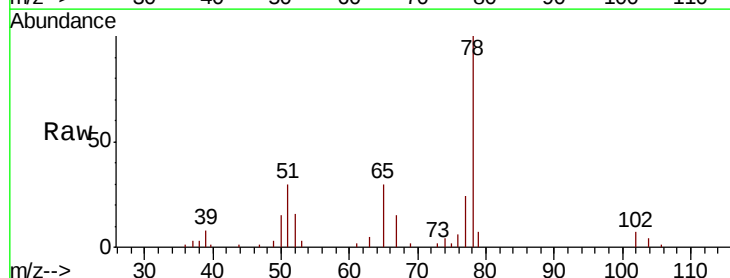
Acq: 6 Apr 2019 11:39

Tgt Ion: 78 Resp: 113367

Ion Ratio Lower Upper

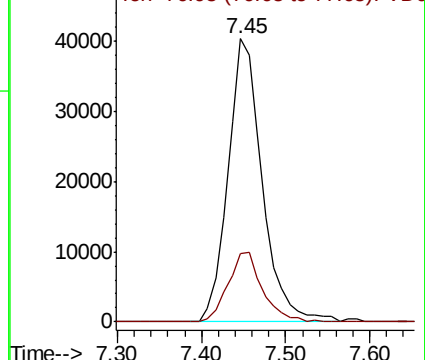
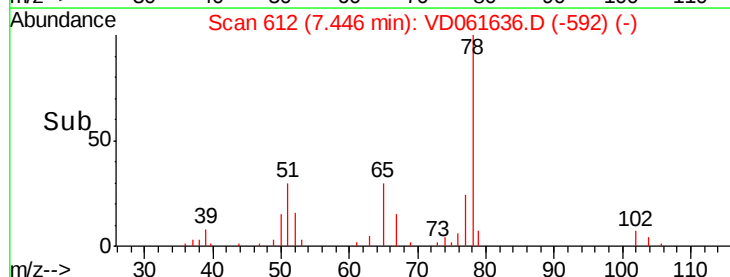
78 100

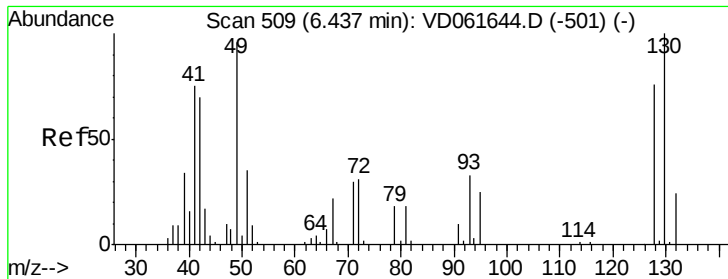
77 24.1 19.5 29.3



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

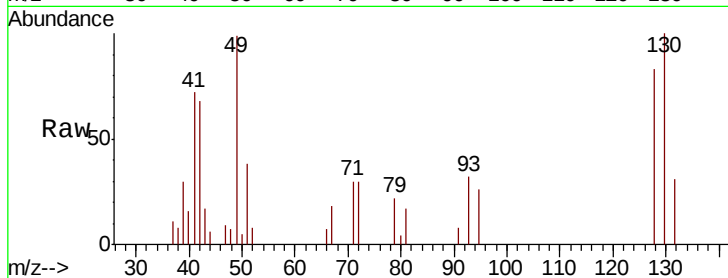




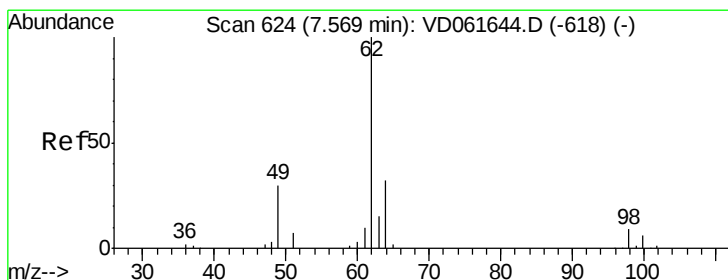
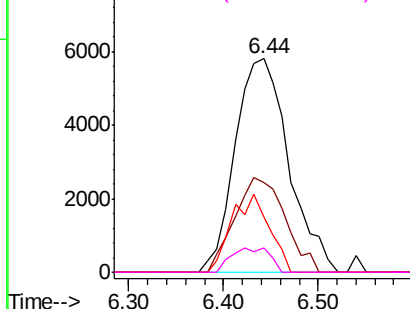
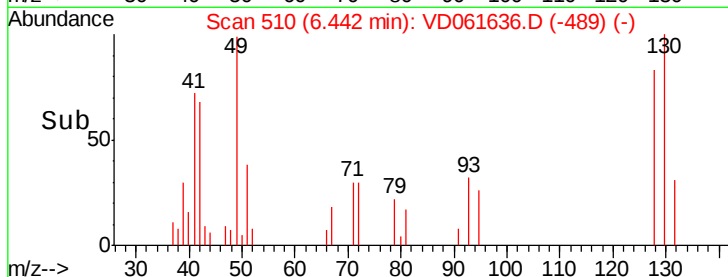
#41
Methacrylonitrile
Concen: 4.511 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 41 Resp: 22857
Ion Ratio Lower Upper
41 100
39 42.0 36.2 54.2
67 25.5 23.2 34.8
52 11.6 10.0 15.0

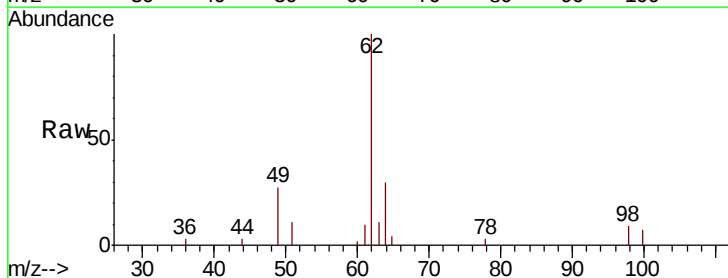


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

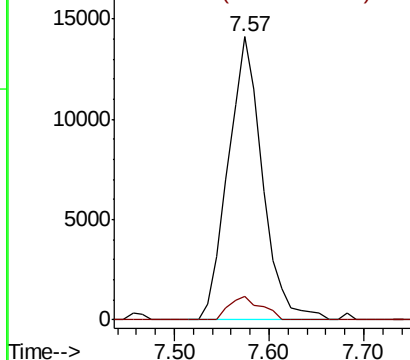
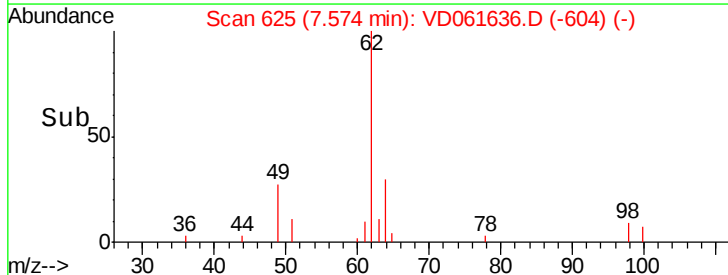


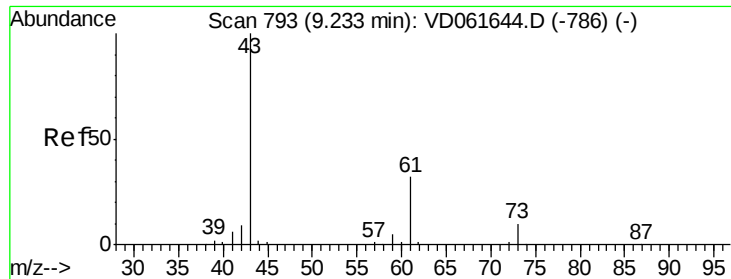
#42
1,2-Dichloroethane
Concen: 4.279 ug/l
RT: 7.57 min Scan# 625
Delta R.T. 0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Tgt Ion: 62 Resp: 35442
Ion Ratio Lower Upper
62 100
98 8.5 0.0 17.8



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





#43

Isopropyl Acetate

Concen: 3.719 ug/l

RT: 9.24 min Scan# 794

Delta R.T. 0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

Instrument :

MSVOA_D

ClientSampled :

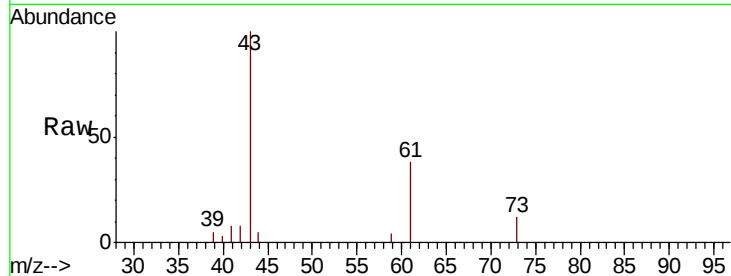
Tot Ion: 43 Resp: 24029

Ion Ratio Lower Upper

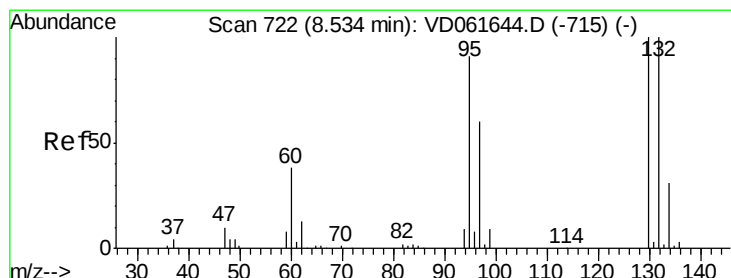
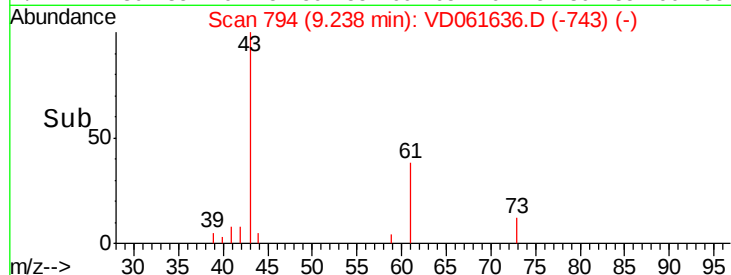
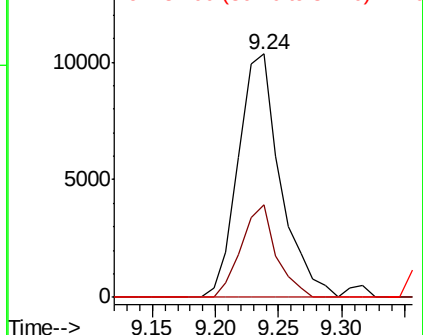
43 100

61 37.9 25.9 38.9

87 0.0 0.2 0.4#



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: 4.488 ug/l

RT: 8.54 min Scan# 723

Delta R.T. 0.00 min

Lab File: VD061636.D

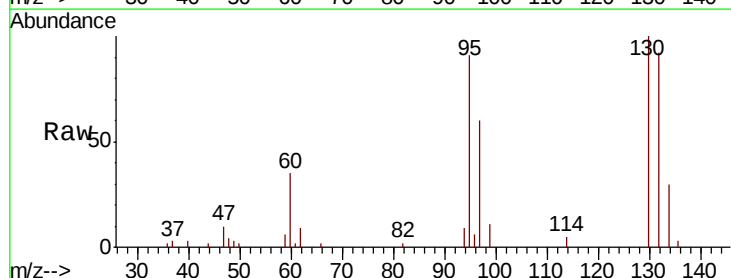
Acq: 6 Apr 2019 11:39

Tgt Ion:130 Resp: 44799

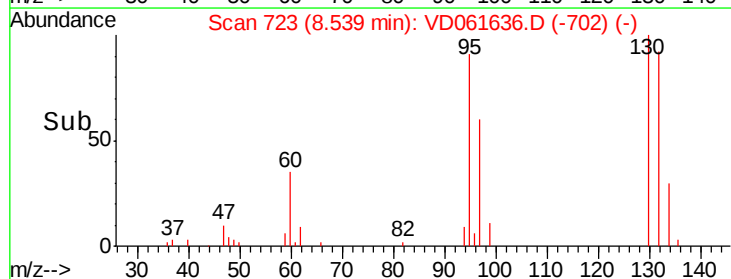
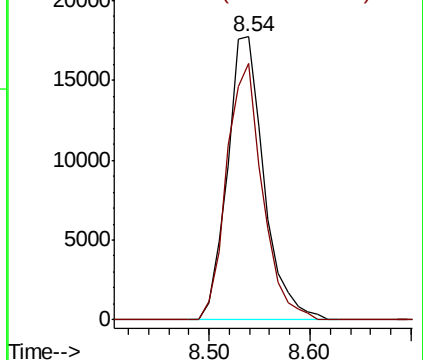
Ion Ratio Lower Upper

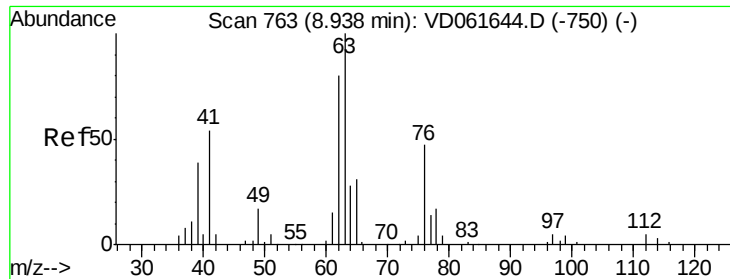
130 100

95 90.8 0.0 181.8



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 4.196 ug/l

RT: 8.93 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

Instrument :

MSVOA_D

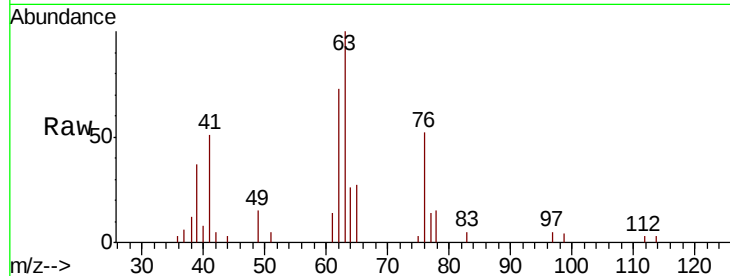
ClientSampled :

Tot Ion: 63 Resp: 26936

Ion Ratio Lower Upper

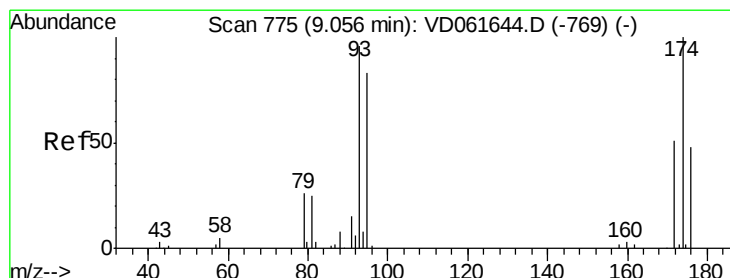
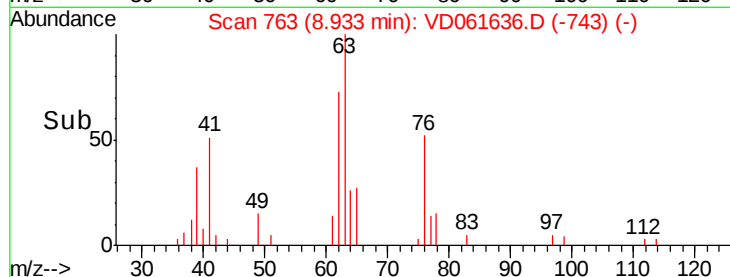
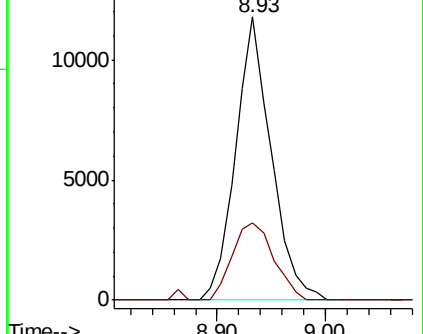
63 100

65 27.1 24.5 36.7



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 4.346 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

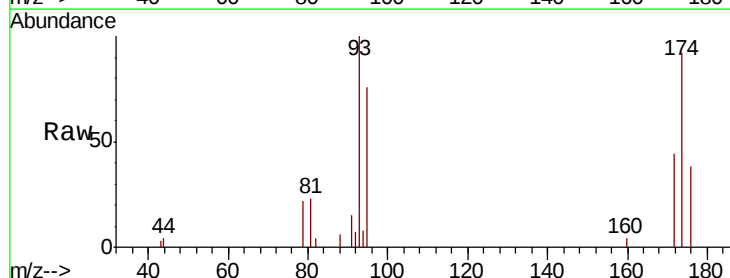
Tgt Ion: 93 Resp: 19774

Ion Ratio Lower Upper

93 100

95 76.3 68.6 103.0

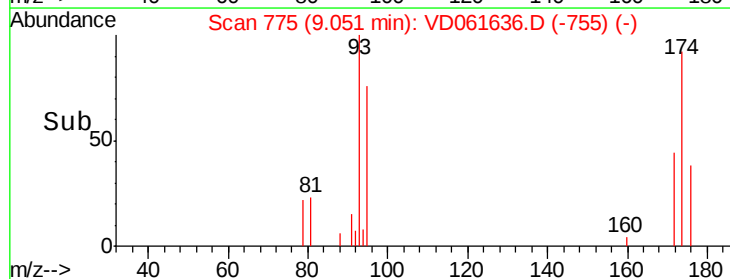
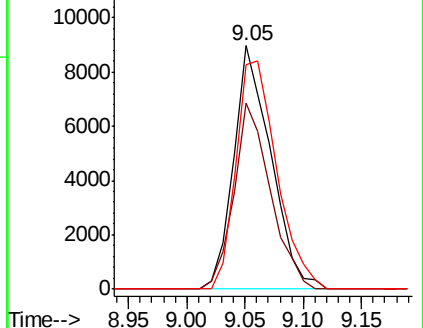
174 91.9 83.0 124.4



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

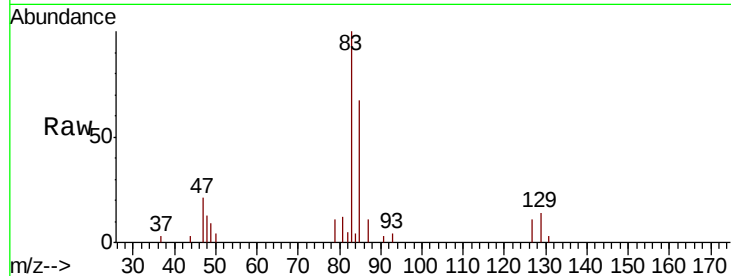




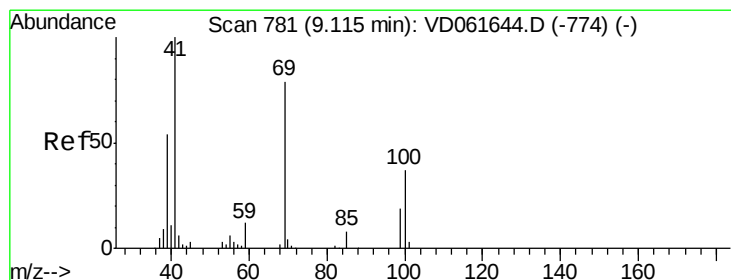
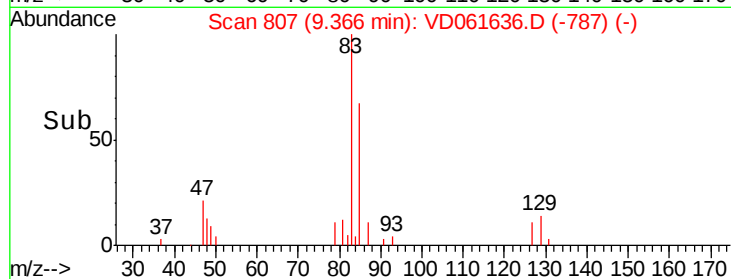
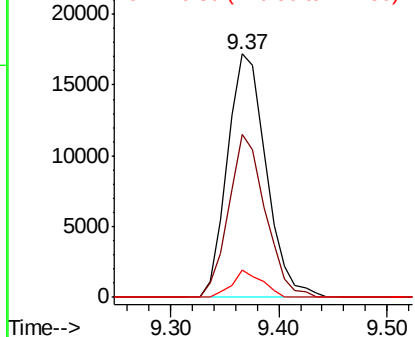
#47
Bromodichloromethane
Concen: 4.207 ug/l
RT: 9.37 min Scan# 807
Delta R.T. -0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 83 Resp: 42791
Ion Ratio Lower Upper
83 100
85 67.1 51.8 77.6
127 11.3 9.0 13.6

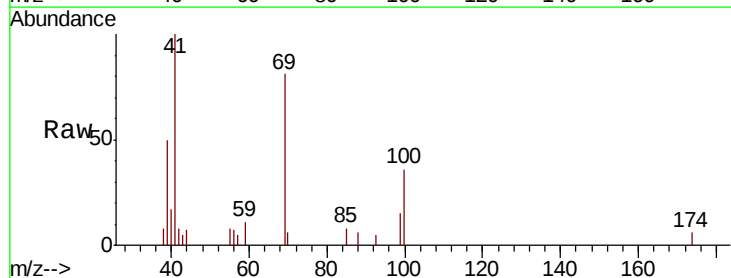


Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC

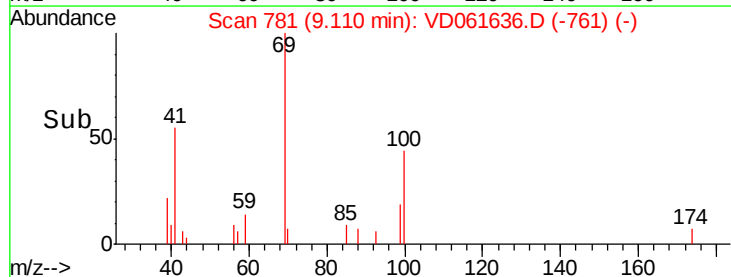
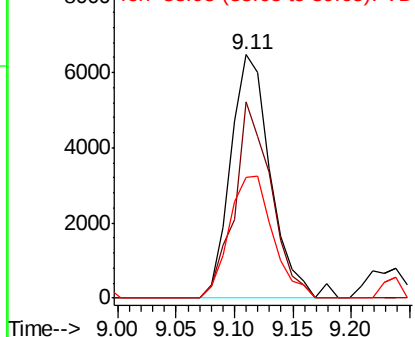


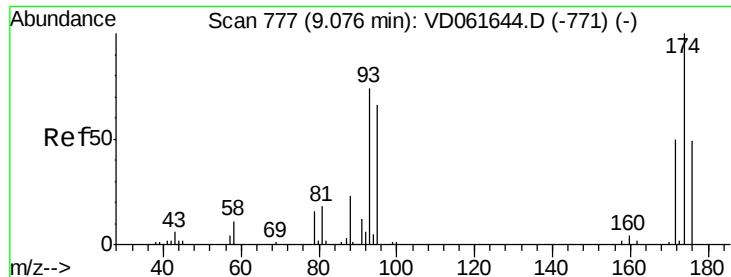
#48
Methyl methacrylate
Concen: 4.322 ug/l
RT: 9.11 min Scan# 781
Delta R.T. -0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Tgt Ion: 41 Resp: 15440
Ion Ratio Lower Upper
41 100
69 80.7 63.1 94.7
39 49.7 43.8 65.8



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

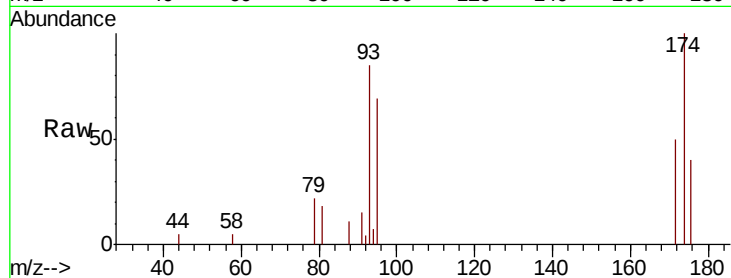




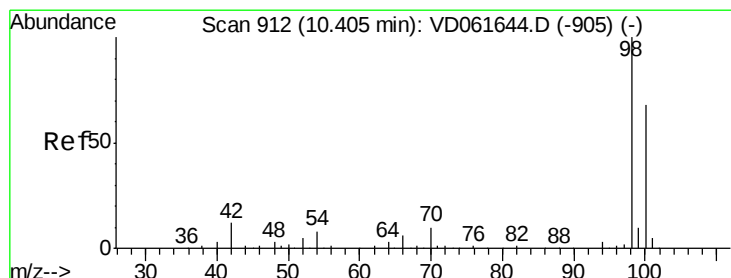
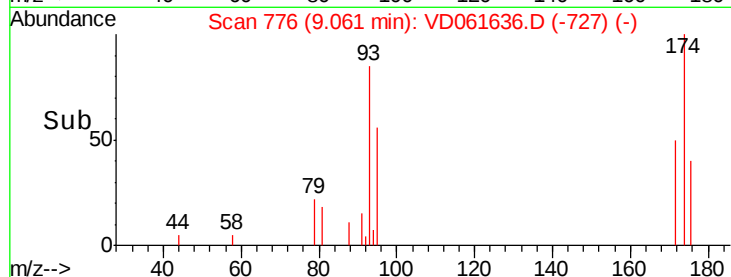
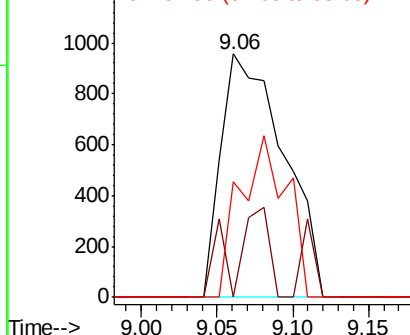
#49
1,4-Dioxane
Concen: 69.900 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.01 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 2764
Ion Ratio Lower Upper
88 100
43 0.0 21.8 32.8#
58 47.3 40.2 60.2

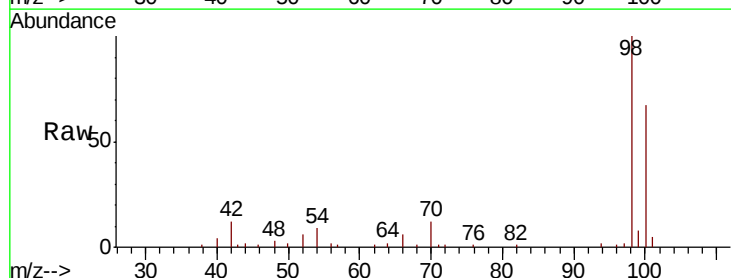


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

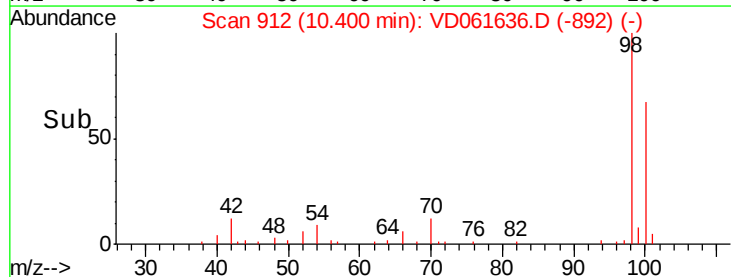
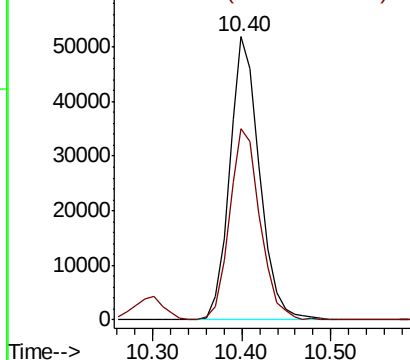


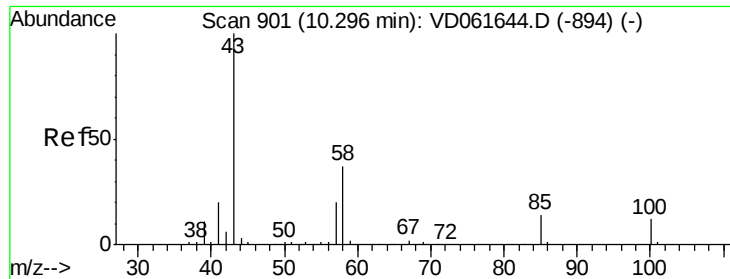
#50
Toluene-d8
Concen: 69.900 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Tgt Ion: 98 Resp: 121341
Ion Ratio Lower Upper
98 100
100 67.4 55.4 83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 21.035 ug/l

RT: 10.29 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

Instrument :

MSVOA_D

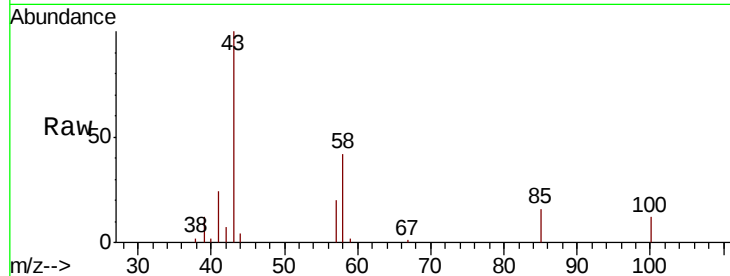
ClientSampleId :

Tot Ion: 43 Resp: 80025

Ion Ratio Lower Upper

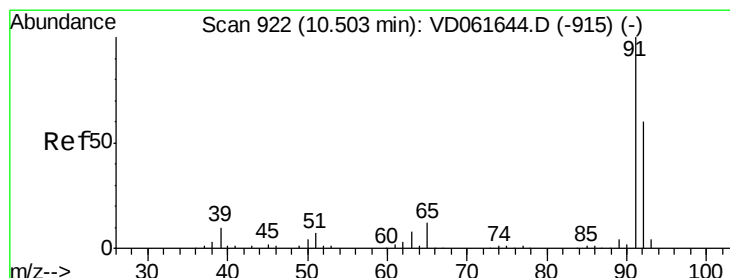
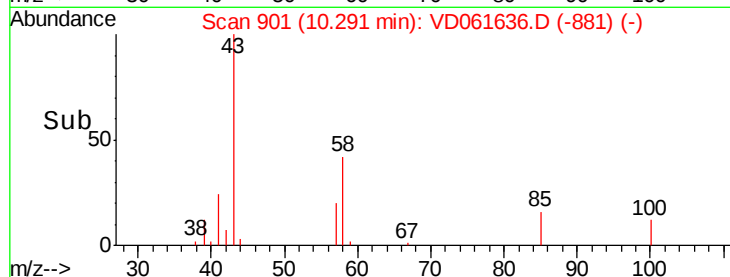
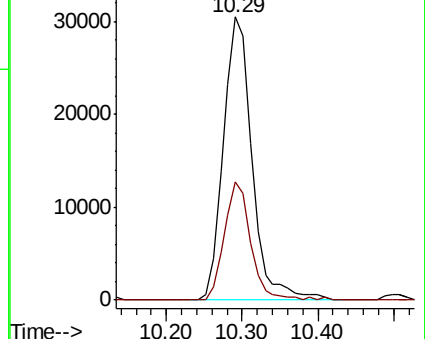
43 100

58 41.8 29.8 44.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 4.769 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD061636.D

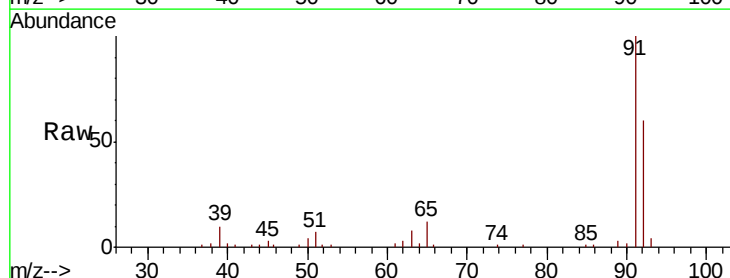
Acq: 6 Apr 2019 11:39

Tgt Ion: 92 Resp: 77413

Ion Ratio Lower Upper

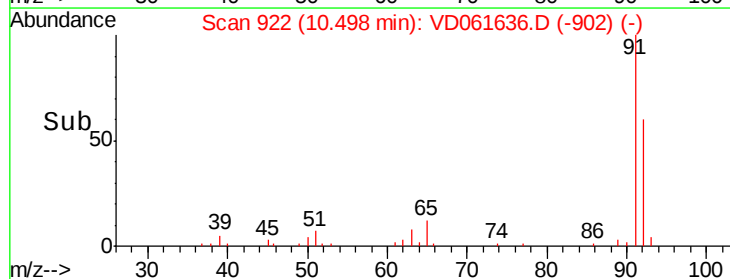
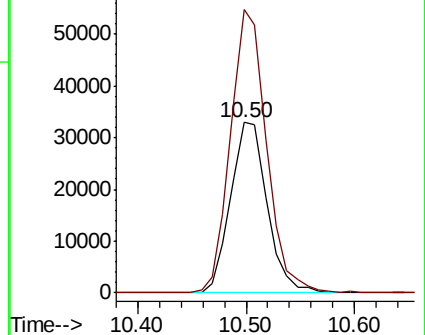
92 100

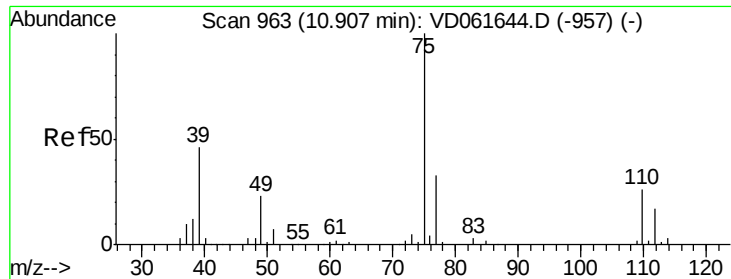
91 166.0 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

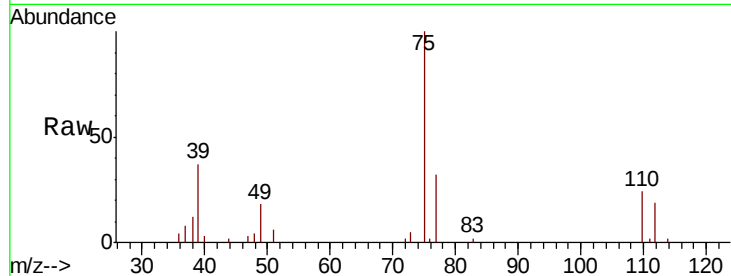




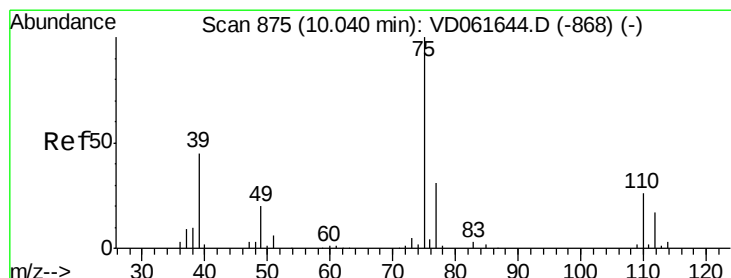
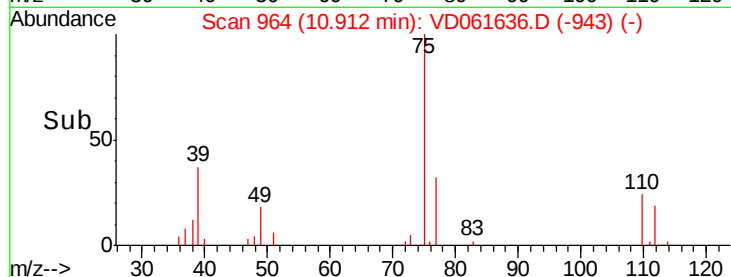
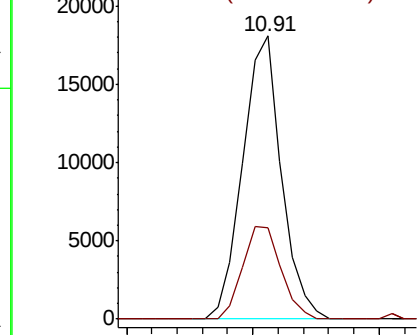
#53
t-1,3-Dichloropropene
Concen: 4.281 ug/l
RT: 10.91 min Scan# 964
Delta R.T. 0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 38452
Ion Ratio Lower Upper
75 100
77 32.4 26.2 39.2

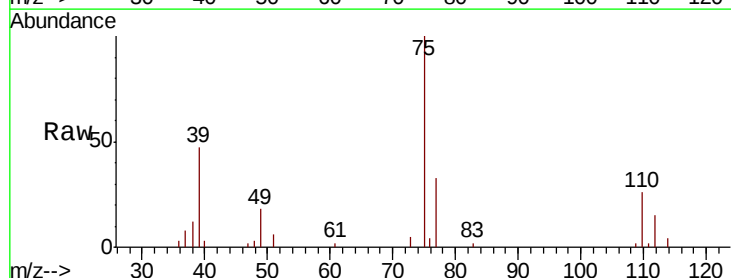


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC

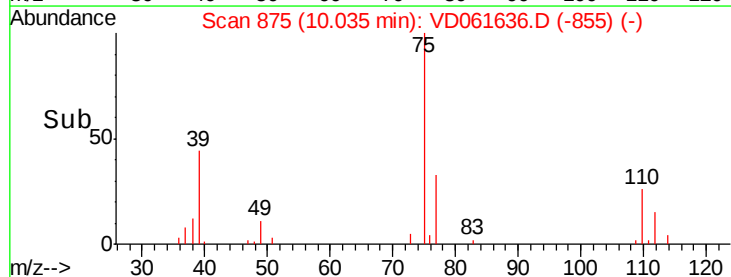
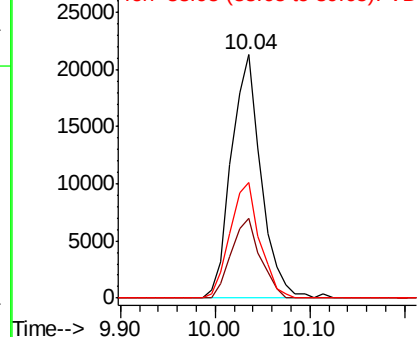


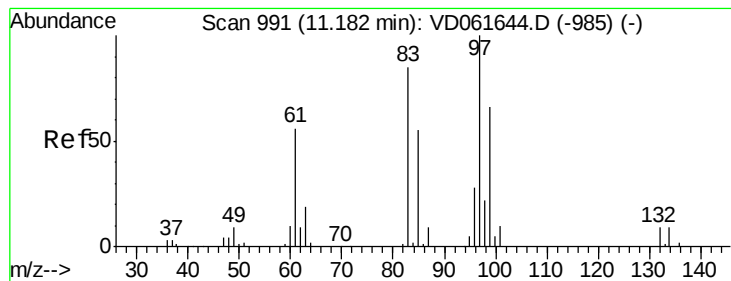
#54
cis-1,3-Dichloropropene
Concen: 4.199 ug/l
RT: 10.04 min Scan# 875
Delta R.T. -0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Tgt Ion: 75 Resp: 46461
Ion Ratio Lower Upper
75 100
77 33.0 24.6 37.0
39 47.4 36.2 54.2



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC
Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 4.474 ug/l

RT: 11.19 min Scan# 992

Delta R.T. 0.00 min

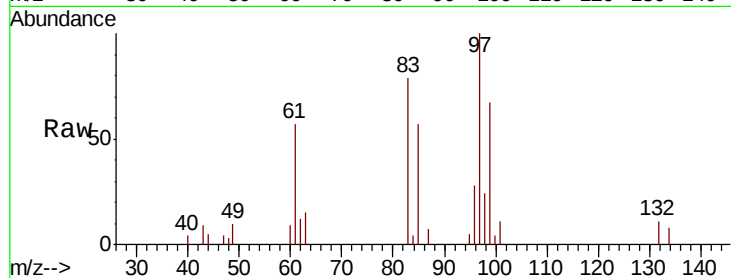
Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

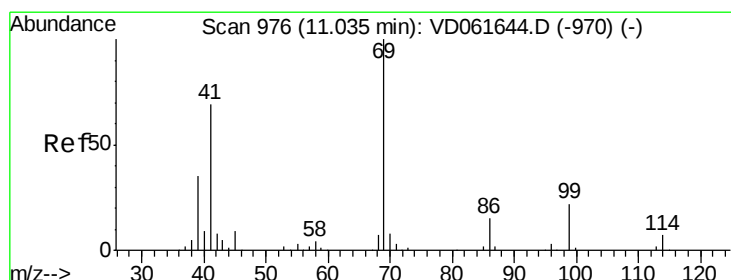
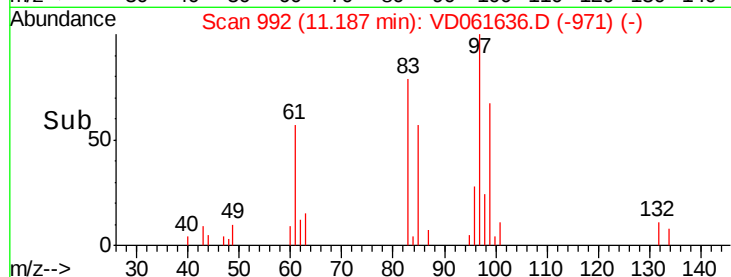
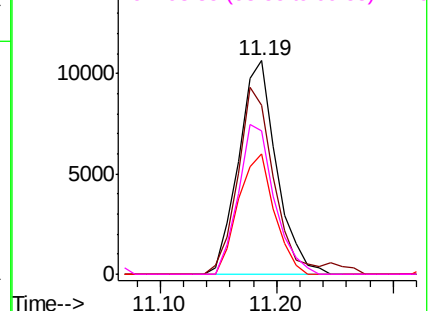
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 23946

Ion	Ratio	Lower	Upper
97	100		
83	79.2	67.8	101.6
85	56.6	43.8	65.8
99	67.3	52.8	79.2



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: 3.991 ug/l

RT: 11.03 min Scan# 976

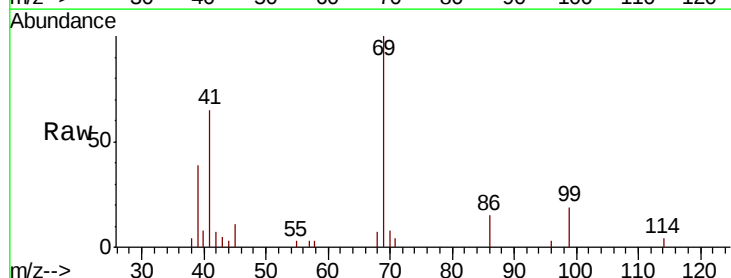
Delta R.T. -0.00 min

Lab File: VD061636.D

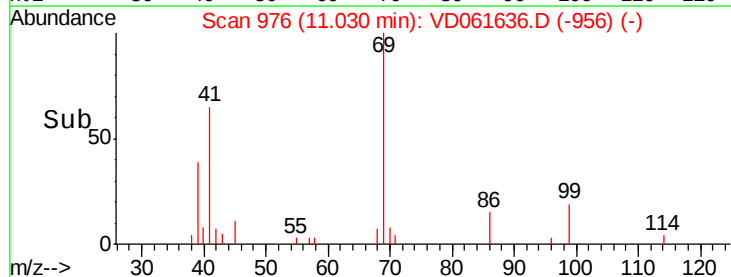
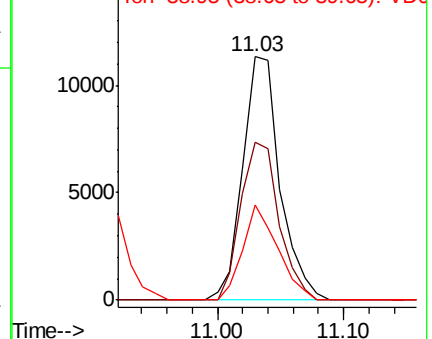
Acq: 6 Apr 2019 11:39

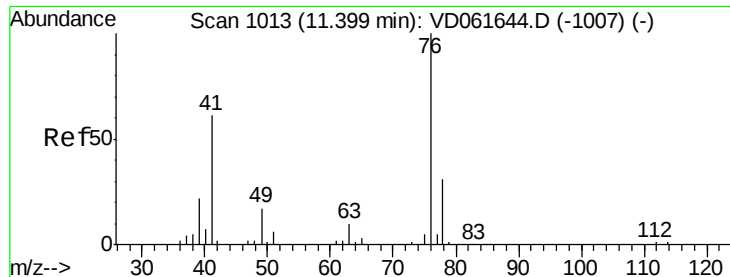
Tgt Ion: 69 Resp: 23210

Ion	Ratio	Lower	Upper
69	100		
41	64.7	55.2	82.8
39	38.9	28.6	43.0



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: 4.431 ug/l

RT: 11.40 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

Instrument :

MSVOA_D

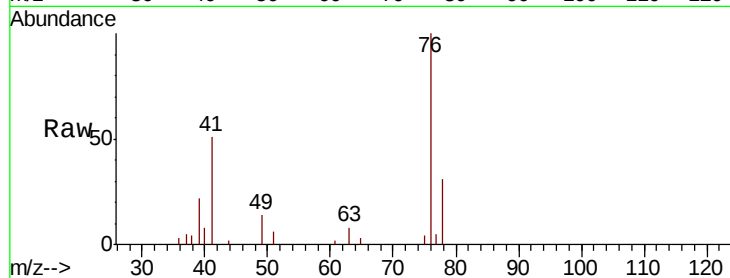
ClientSampled :

Tot Ion: 76 Resp: 35806

Ion Ratio Lower Upper

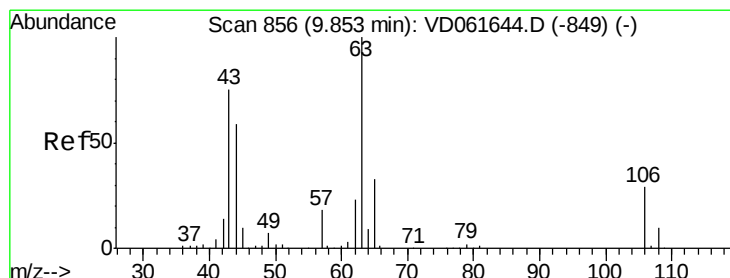
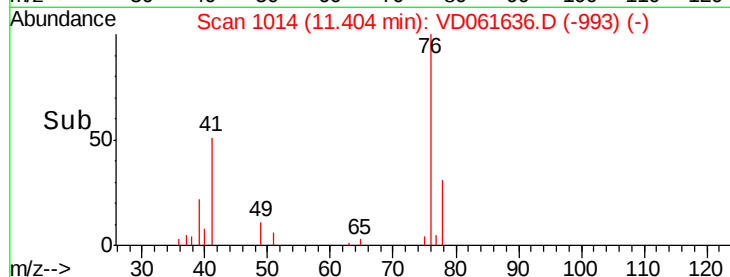
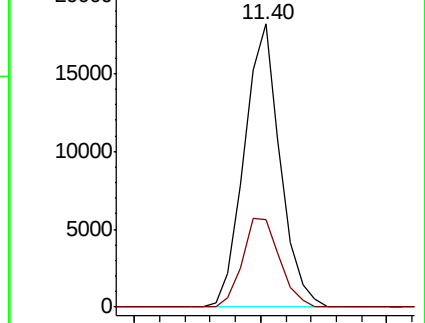
76 100

78 30.9 24.5 36.7



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 28.642 ug/l

RT: 9.85 min Scan# 856

Delta R.T. -0.00 min

Lab File: VD061636.D

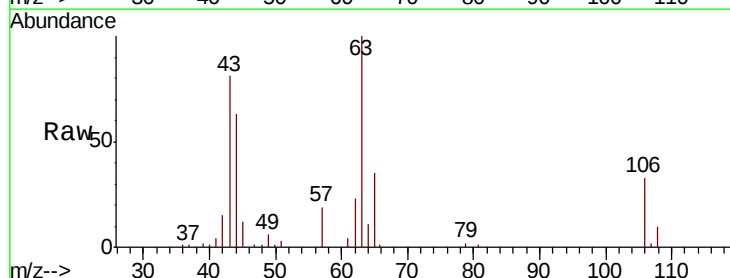
Acq: 6 Apr 2019 11:39

Tgt Ion: 63 Resp: 75458

Ion Ratio Lower Upper

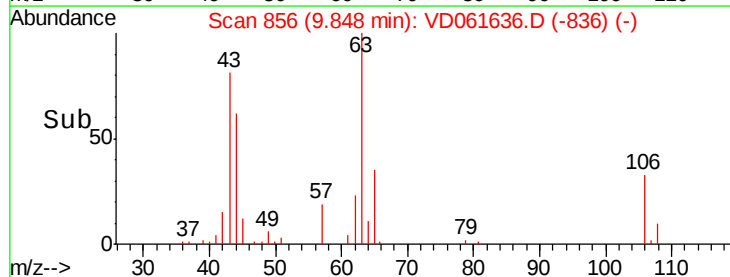
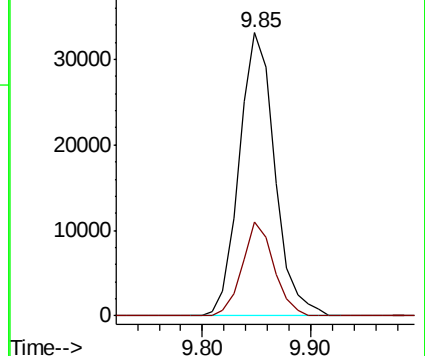
63 100

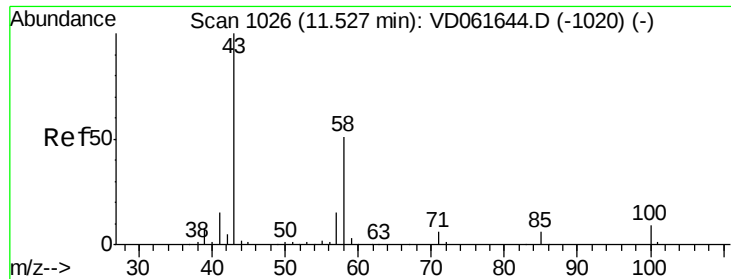
106 33.1 23.0 34.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

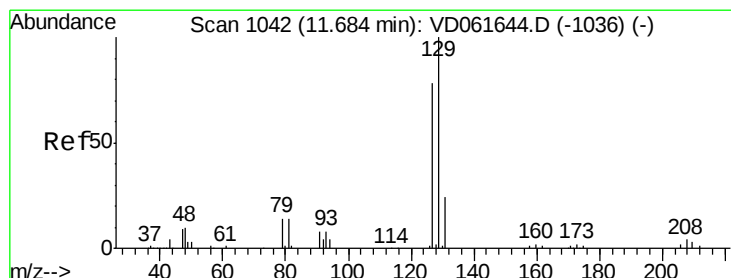
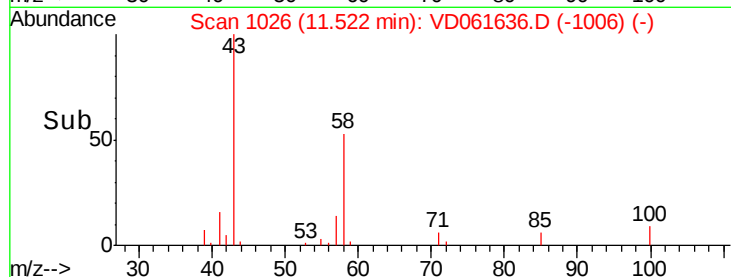
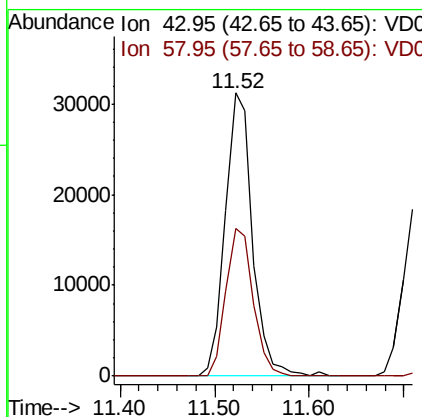
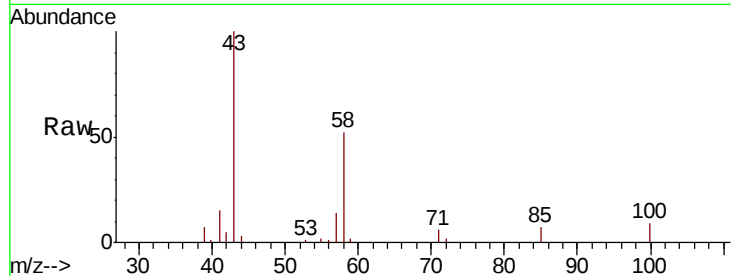




#59
2-Hexanone
Concen: 21.641 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

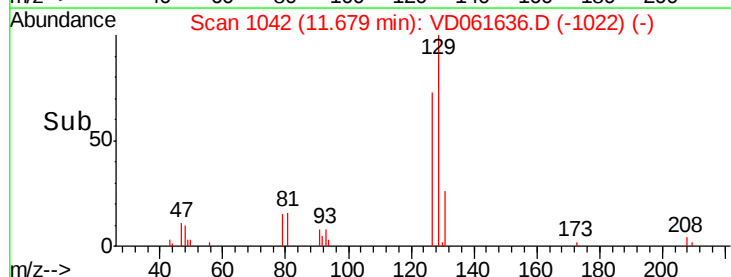
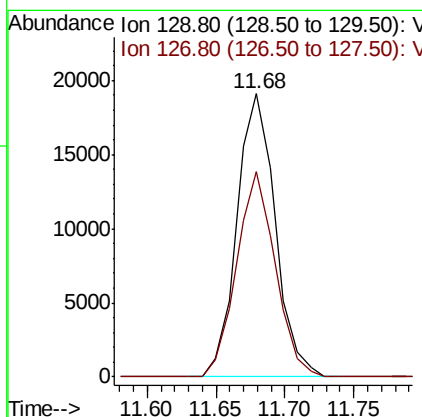
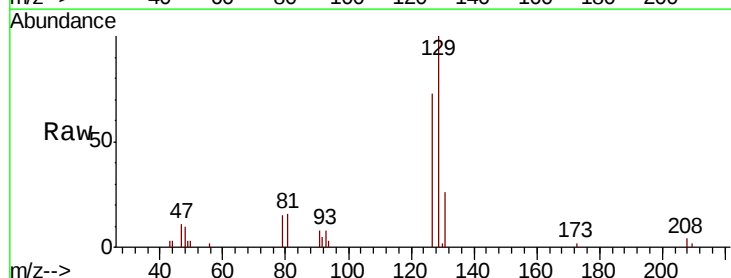
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 62134
Ion Ratio Lower Upper
43 100
58 52.2 25.6 76.8



#60
Dibromochloromethane
Concen: 4.337 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Tgt Ion:129 Resp: 36947
Ion Ratio Lower Upper
129 100
127 72.5 38.8 116.4

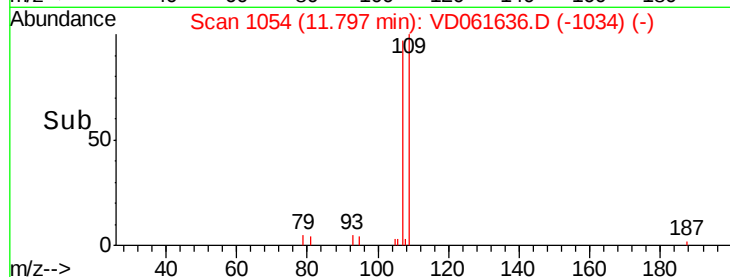
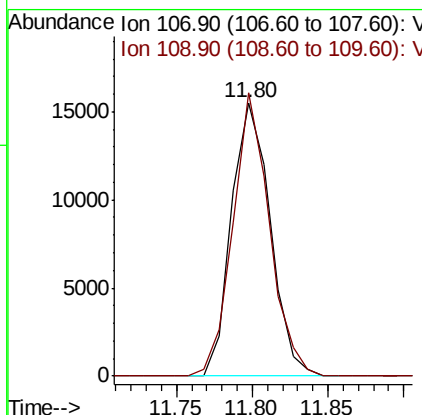
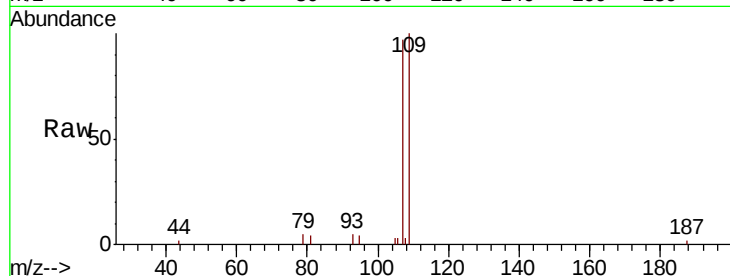




#61
 1,2-Dibromoethane
 Concen: 4.378 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD061636.D
 Acq: 6 Apr 2019 11:39

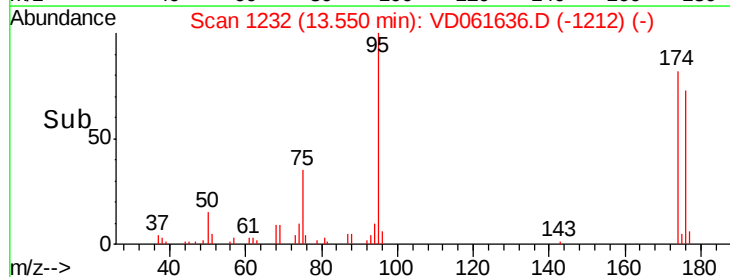
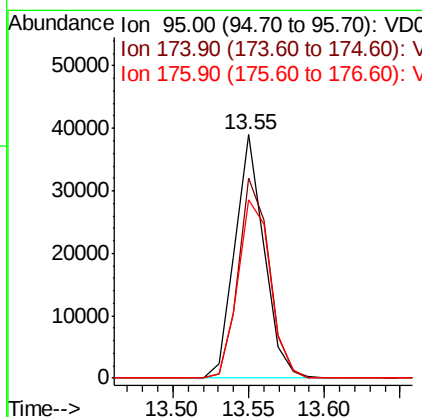
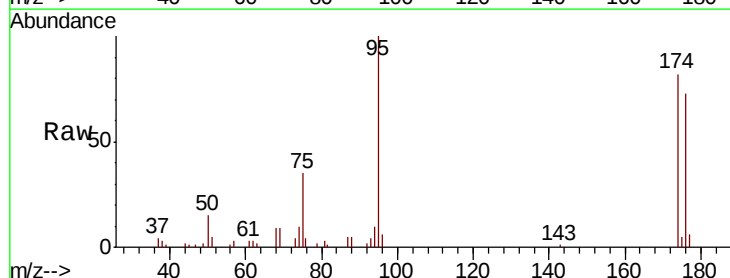
Instrument :
 MSVOA_D
 ClientSampleId :

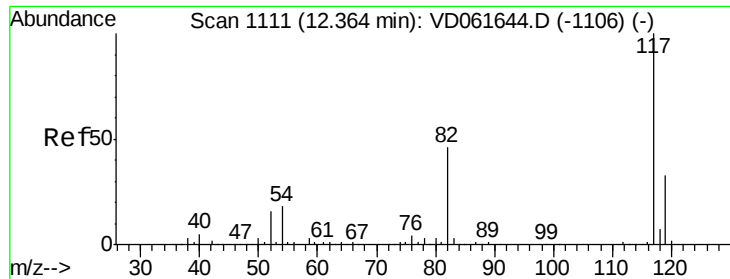
Tot Ion: 107 Resp: 27651
 Ion Ratio Lower Upper
 107 100
 109 103.5 79.2 118.8



#62
 4-Bromofluorobenzene
 Concen: 4.378 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD061636.D
 Acq: 6 Apr 2019 11:39

Tgt Ion: 95 Resp: 52058
 Ion Ratio Lower Upper
 95 100
 174 82.2 0.0 164.6
 176 73.1 0.0 165.0

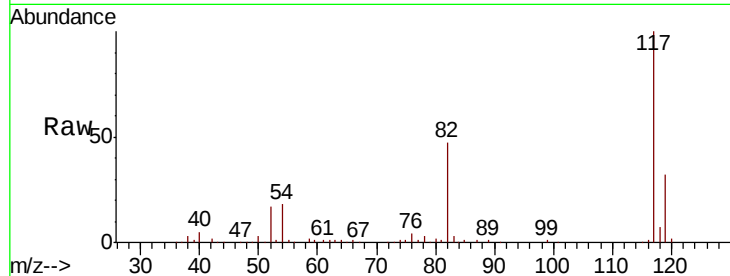




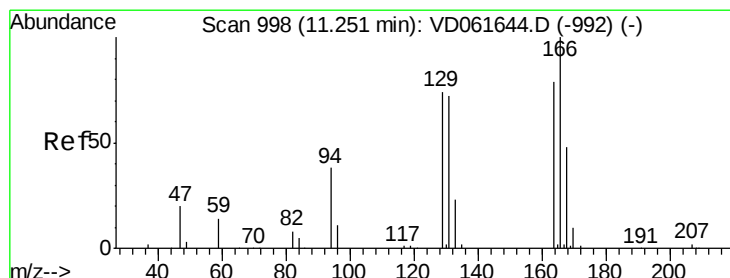
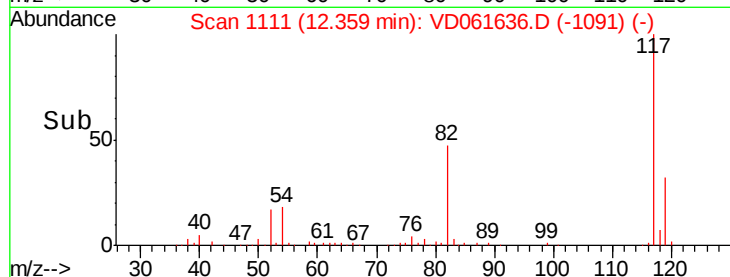
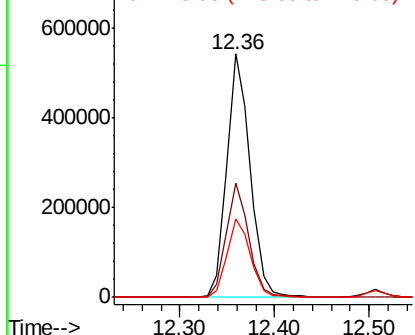
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 924645
Ion Ratio Lower Upper
117 100
82 46.8 36.8 55.2
119 32.5 26.1 39.1

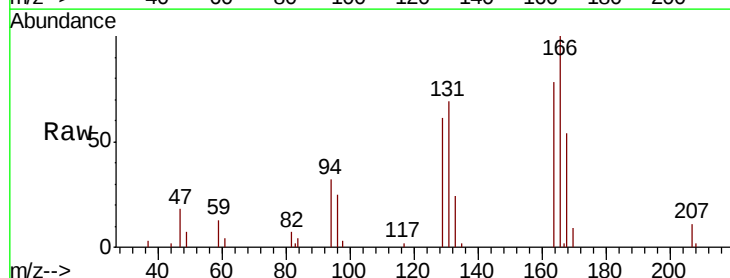


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

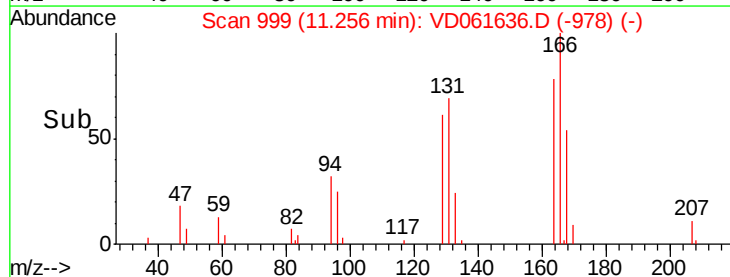
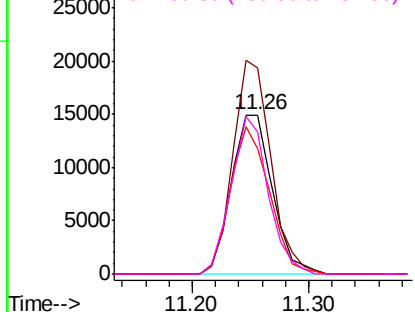


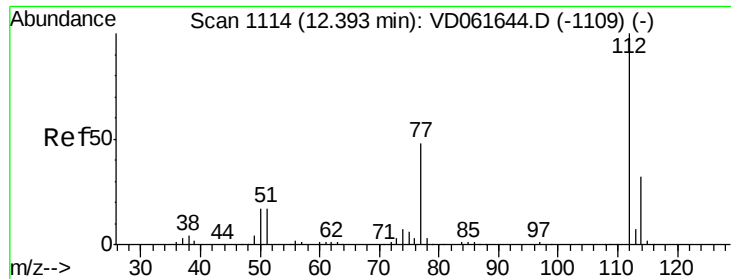
#64
Tetrachloroethene
Concen: 5.152 ug/l
RT: 11.26 min Scan# 999
Delta R.T. 0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Tgt Ion:164 Resp: 36348
Ion Ratio Lower Upper
164 100
166 129.0 101.8 152.8
129 78.6 75.4 113.0
131 89.6 73.6 110.4



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

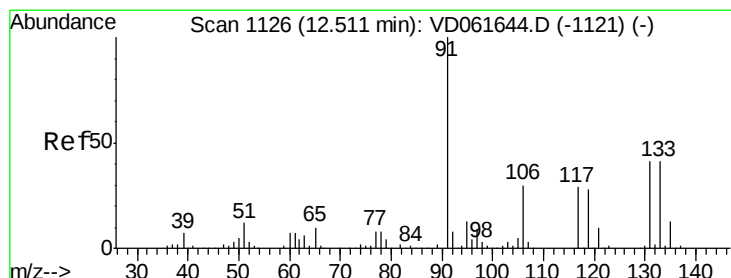
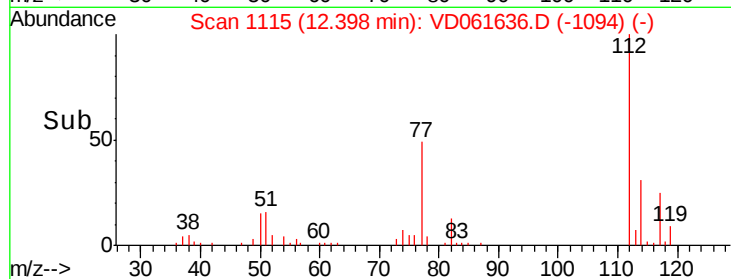
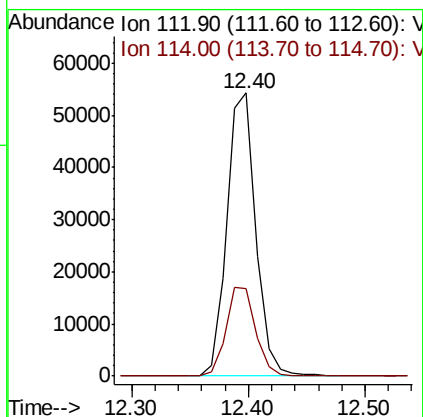
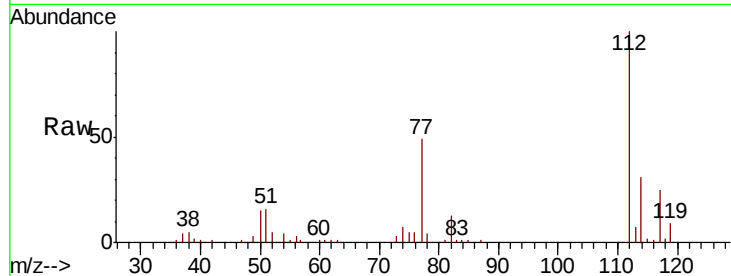




#65
Chlorobenzene
Concen: 5.094 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. 0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

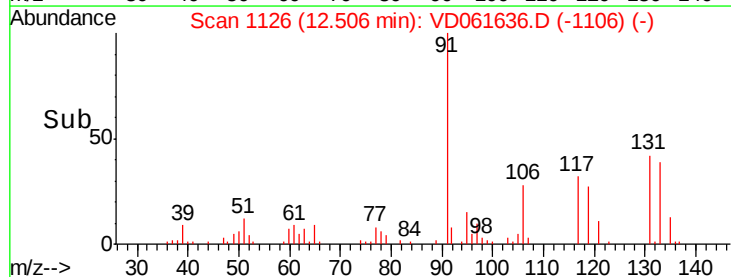
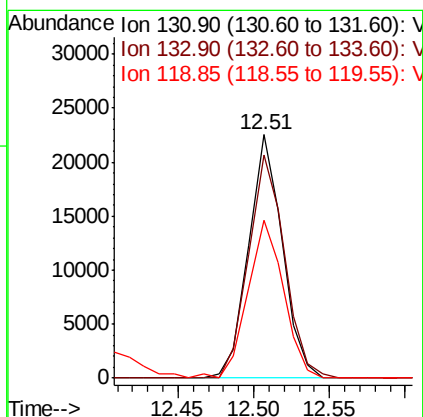
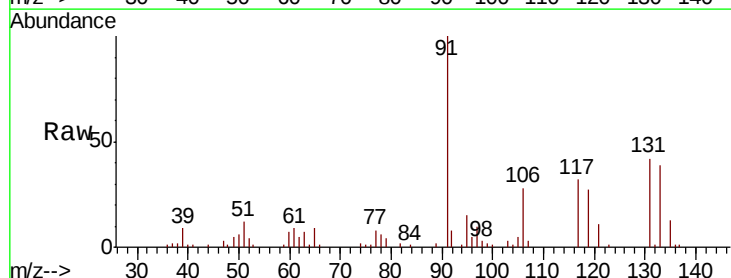
Instrument :
MSVOA_D
ClientSampled :

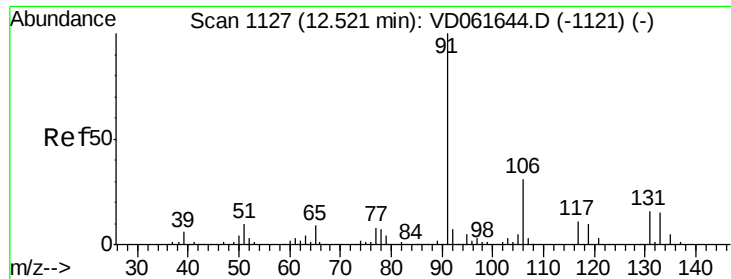
Tot Ion:112 Resp: 92858
Ion Ratio Lower Upper
112 100
114 31.0 25.6 38.4



#66
1,1,1,2-Tetrachloroethane
Concen: 4.836 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Tgt Ion:131 Resp: 35060
Ion Ratio Lower Upper
131 100
133 91.5 49.5 148.3
119 65.0 34.7 104.1

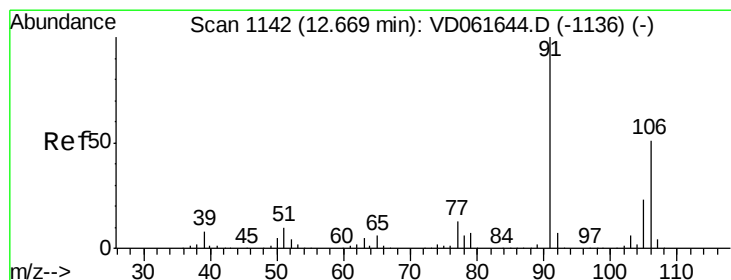
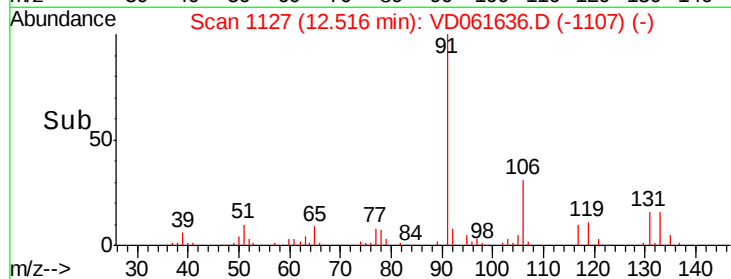
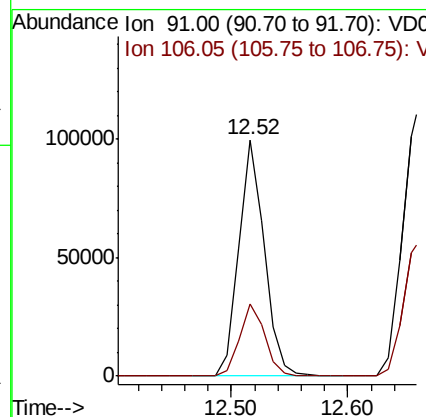
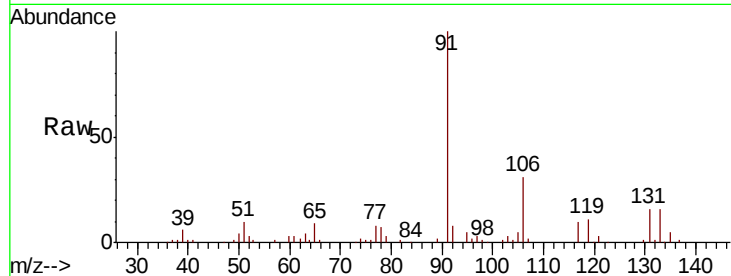




#67
Ethyl Benzene
Concen: 5.219 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

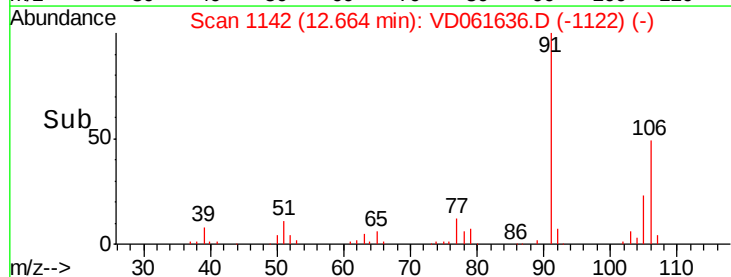
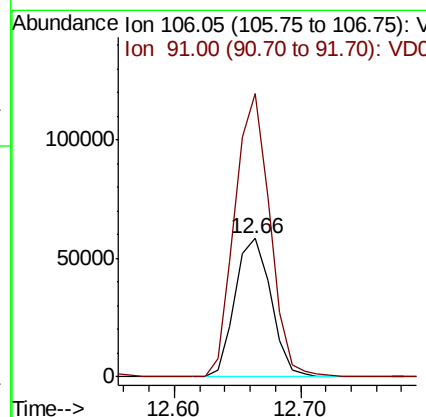
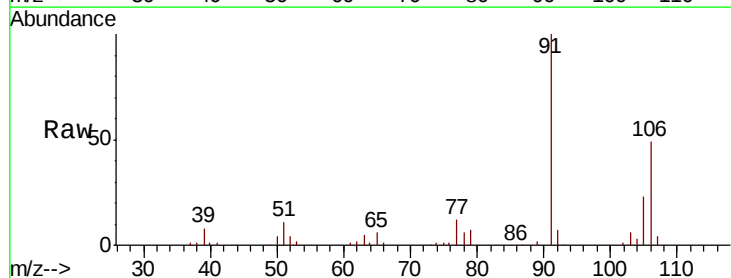
Instrument :
MSVOA_D
ClientSampled :

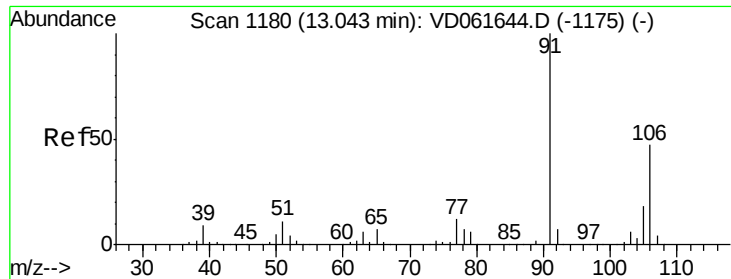
Tot Ion: 91 Resp: 151544
Ion Ratio Lower Upper
91 100
106 30.6 24.6 37.0



#68
m/p-Xylenes
Concen: 10.767 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Tgt Ion: 106 Resp: 115484
Ion Ratio Lower Upper
106 100
91 204.5 156.7 235.1

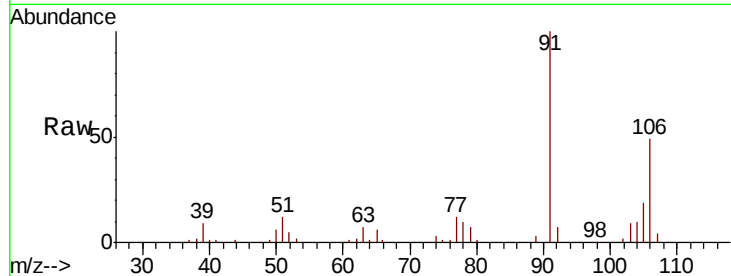




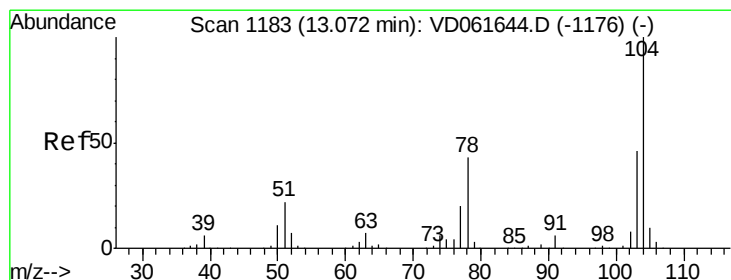
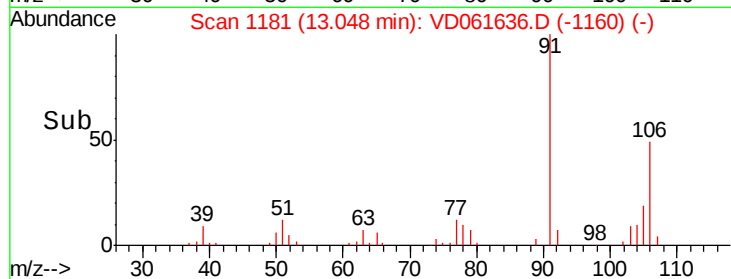
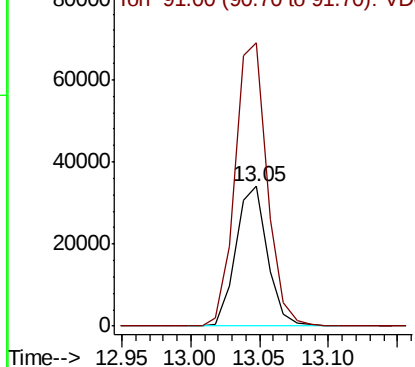
#69
o-Xylene
Concen: 5.253 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 54490
Ion Ratio Lower Upper
106 100
91 202.3 107.3 321.9

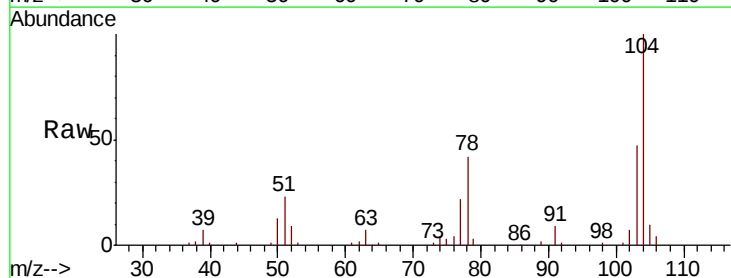


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

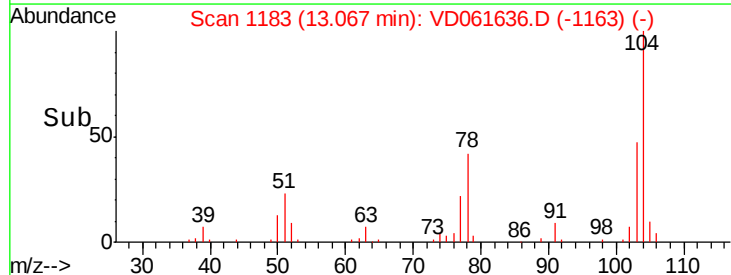
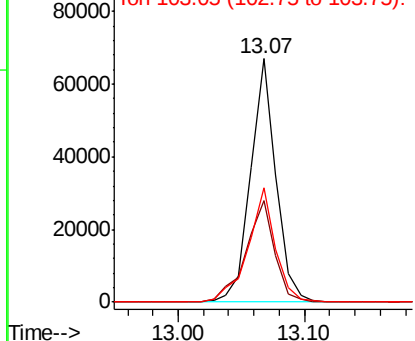


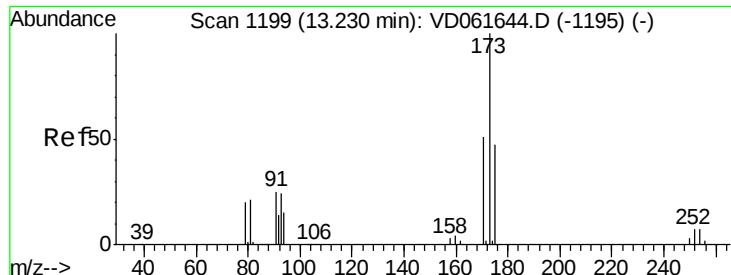
#70
Styrene
Concen: 5.270 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Tgt Ion:104 Resp: 93605
Ion Ratio Lower Upper
104 100
78 41.6 34.2 51.4
103 46.9 37.2 55.8



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: 4.615 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

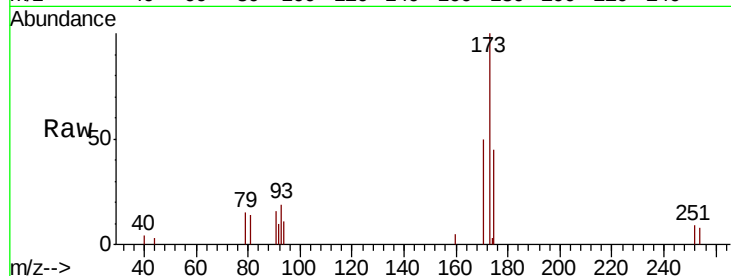
Tot Ion:173 Resp: 19964

Ion Ratio Lower Upper

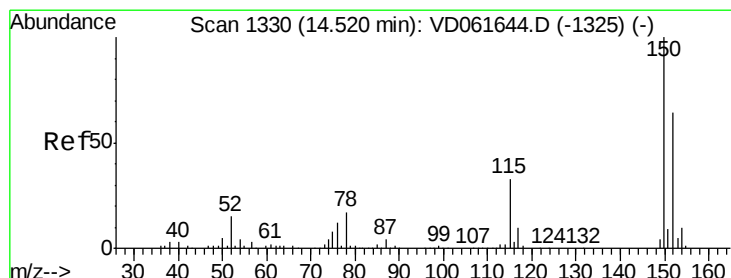
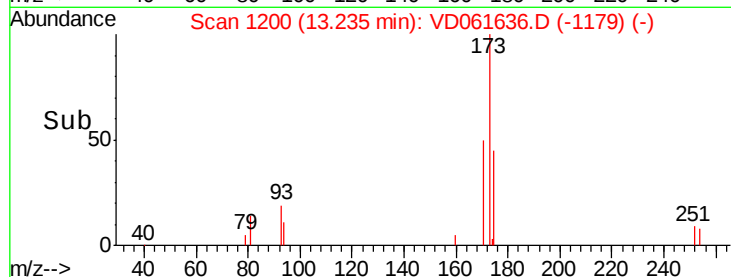
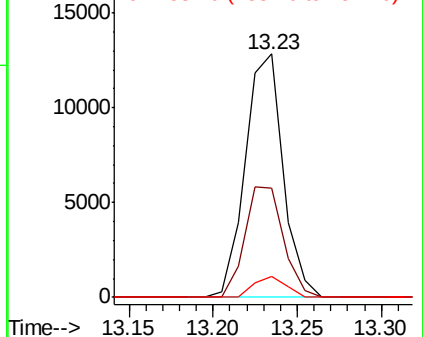
173 100

175 44.8 23.7 71.1

254 8.5 5.8 8.6



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: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

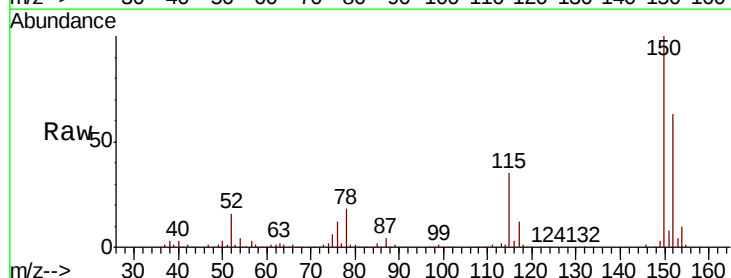
Tgt Ion:152 Resp: 479239

Ion Ratio Lower Upper

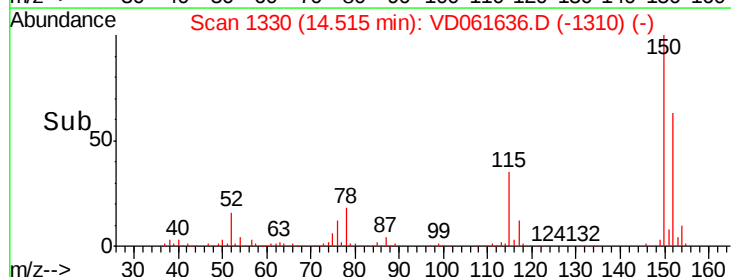
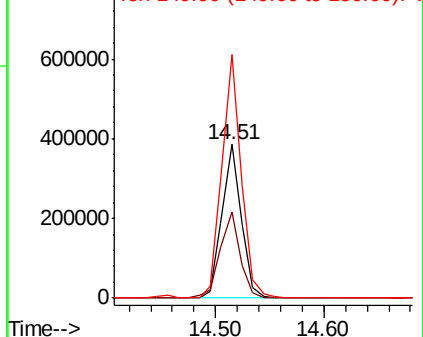
152 100

115 56.1 26.4 79.2

150 158.6 0.0 320.6



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: 4.122 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. 0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

Instrument :

MSVOA_D

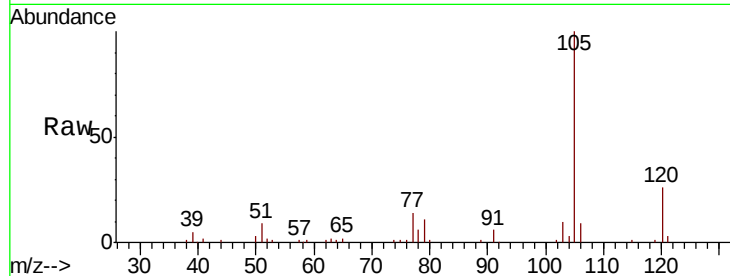
ClientSampleId :

Tot Ion:105 Resp: 132956

Ion Ratio Lower Upper

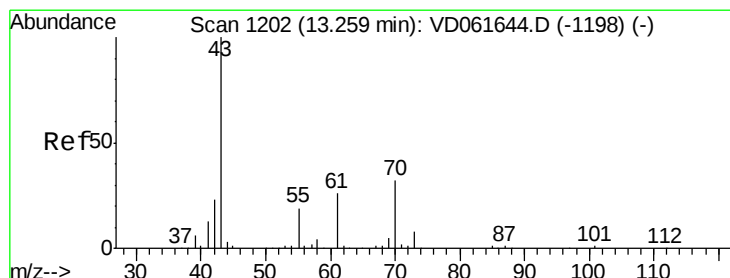
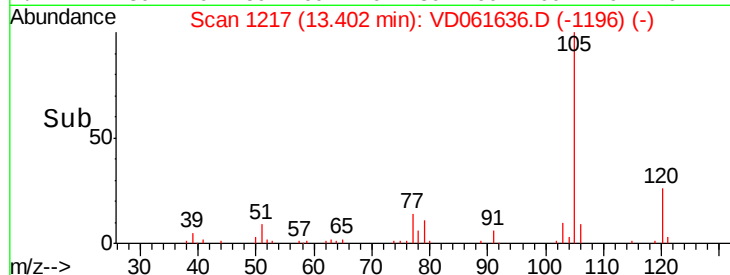
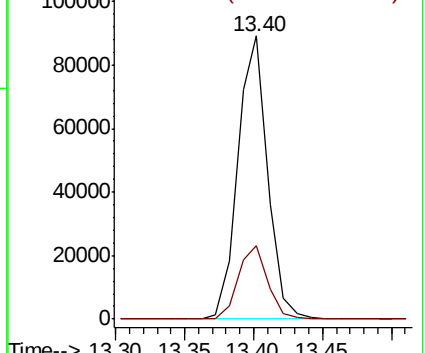
105 100

120 25.9 12.2 36.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 3.812 ug/l

RT: 13.26 min Scan# 1203

Delta R.T. 0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

Tgt Ion: 43 Resp: 33230

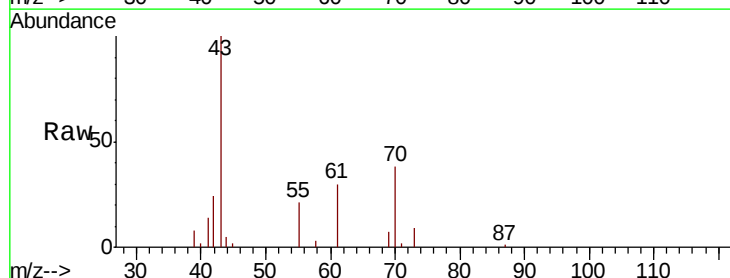
Ion Ratio Lower Upper

43 100

70 37.6 25.4 38.2

55 20.6 15.0 22.4

61 30.4 20.9 31.3

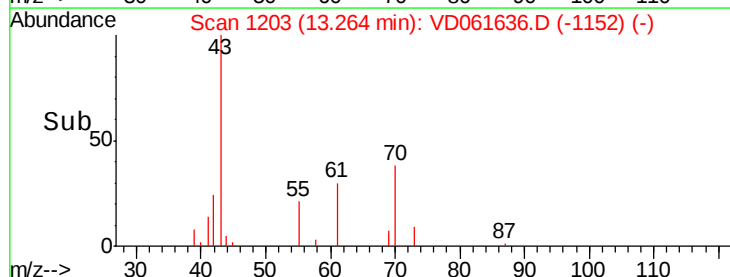
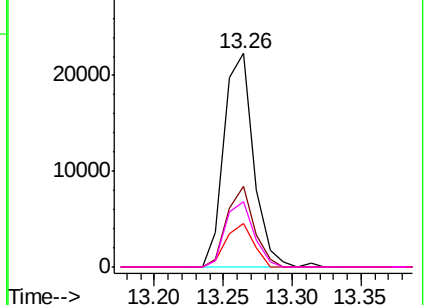


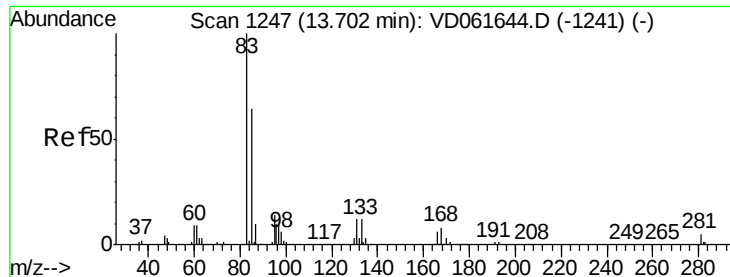
Abundance Ion 42.95 (42.65 to 43.65): V

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: 4.390 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

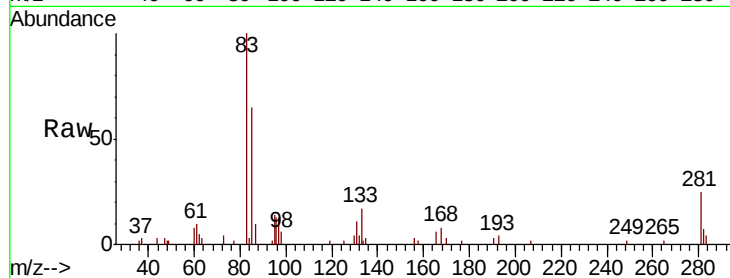
Tot Ion: 83 Resp: 28312

Ion Ratio Lower Upper

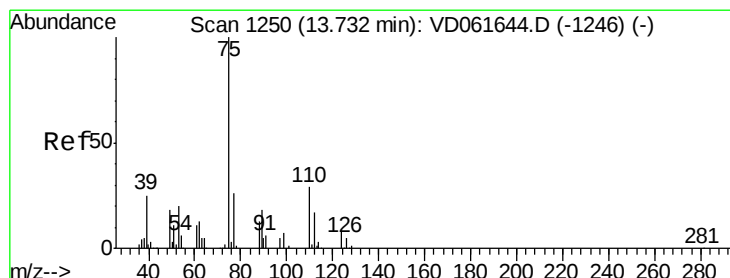
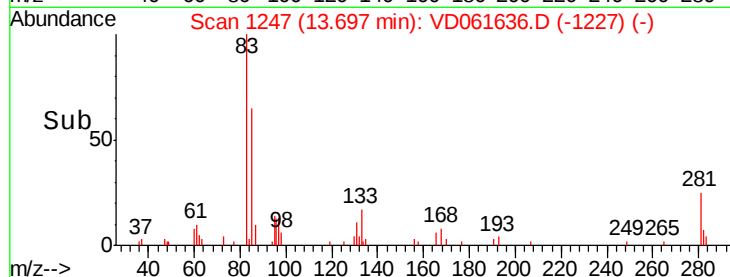
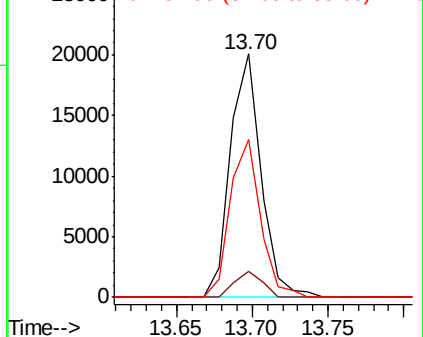
83 100

131 10.8 5.9 17.6

85 64.8 32.0 96.2



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: 4.378 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061636.D

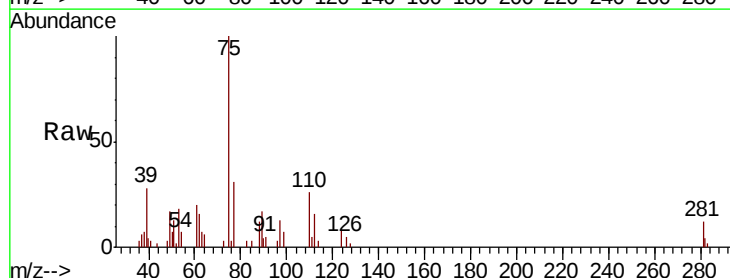
Acq: 6 Apr 2019 11:39

Tgt Ion: 75 Resp: 28157

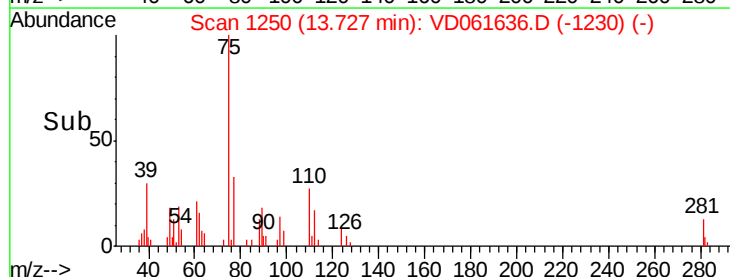
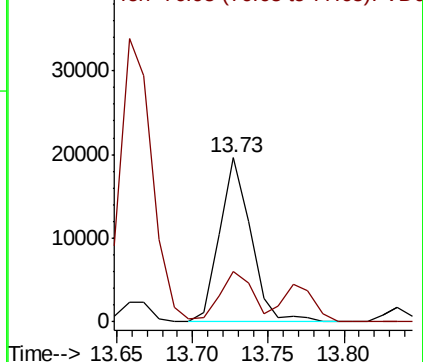
Ion Ratio Lower Upper

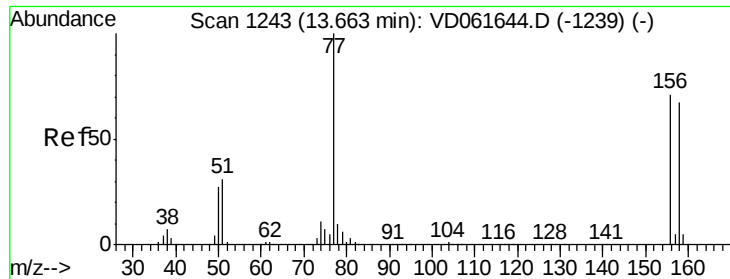
75 100

77 30.8 15.7 47.1



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 4.494 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. 0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

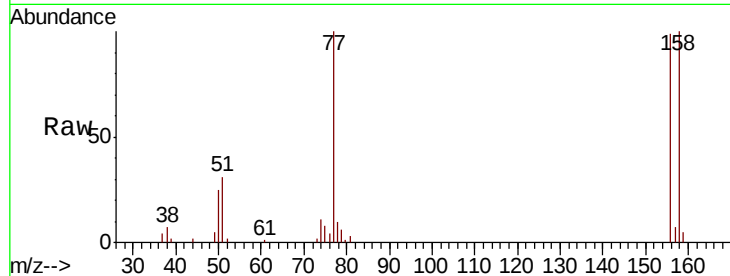
Tot Ion:156 Resp: 42471

Ion Ratio Lower Upper

156 100

77 100.9 70.3 210.8

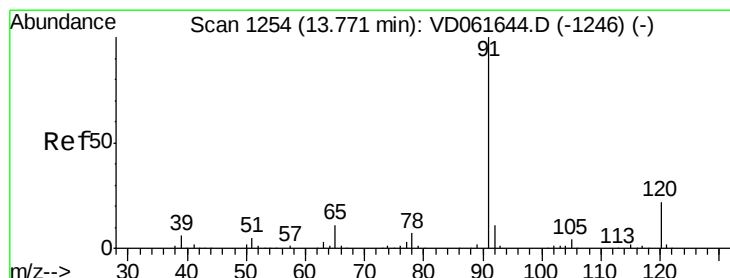
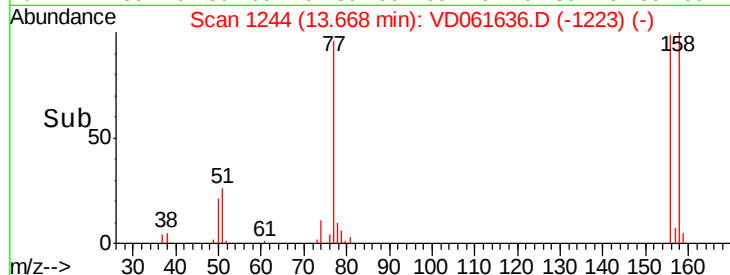
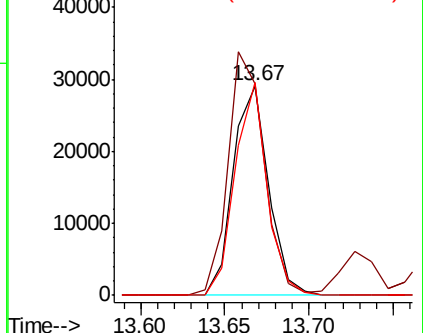
158 101.3 47.4 142.2



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: 4.633 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD061636.D

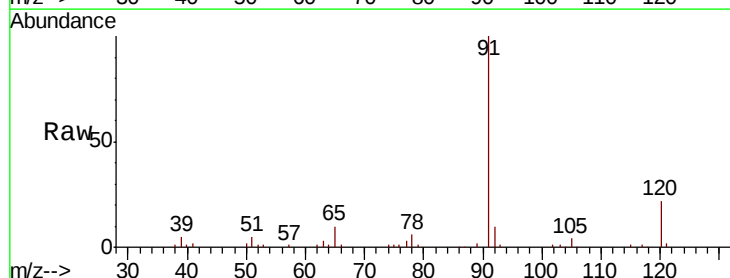
Acq: 6 Apr 2019 11:39

Tgt Ion: 91 Resp: 175771

Ion Ratio Lower Upper

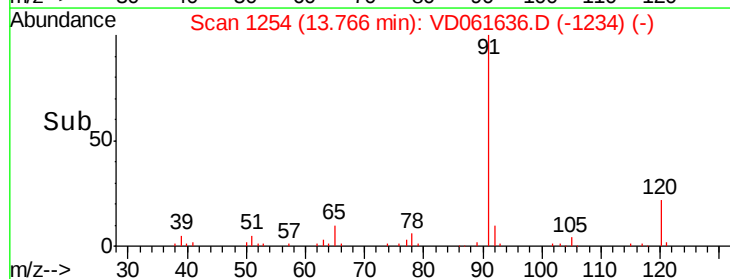
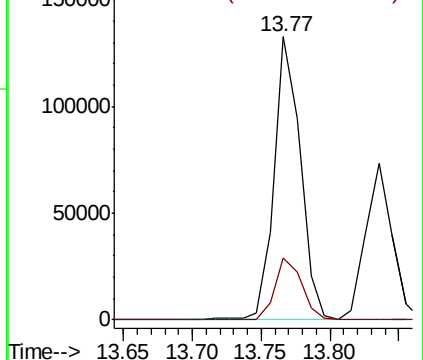
91 100

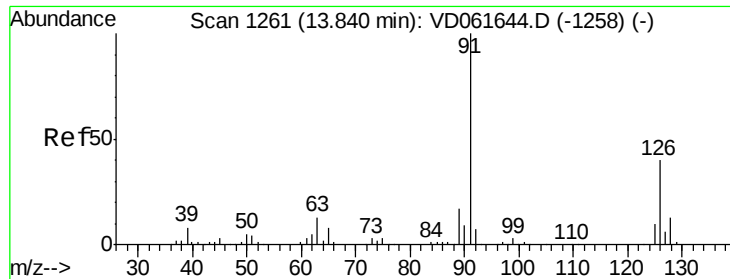
120 22.1 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

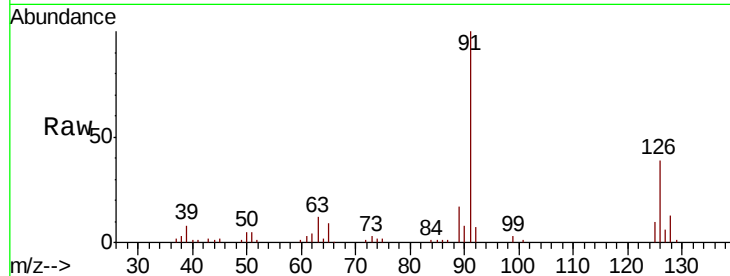




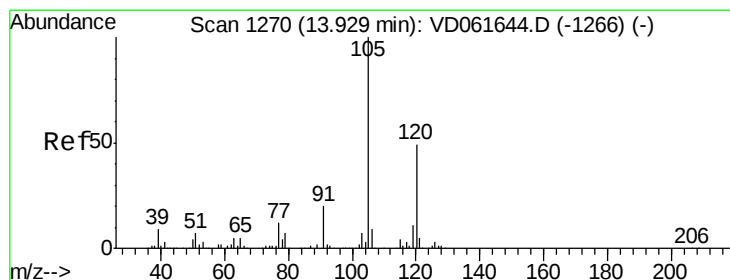
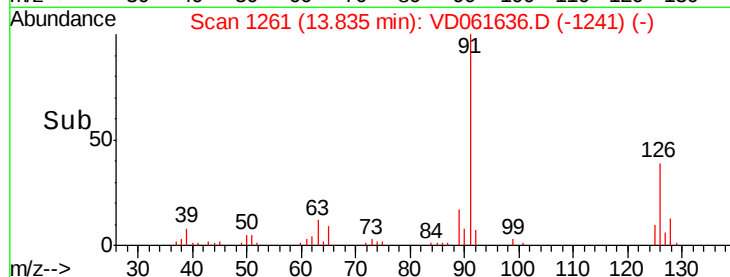
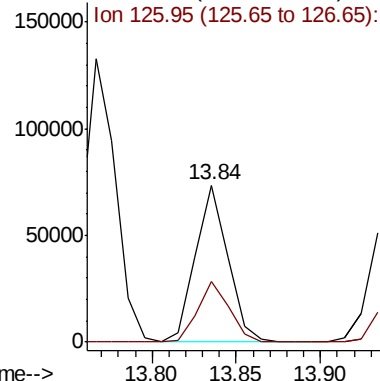
#79
 2-Chlorotoluene
 Concen: 4.572 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD061636.D
 Acq: 6 Apr 2019 11:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 91 Resp: 99192
 Ion Ratio Lower Upper
 91 100
 126 38.7 20.0 59.9

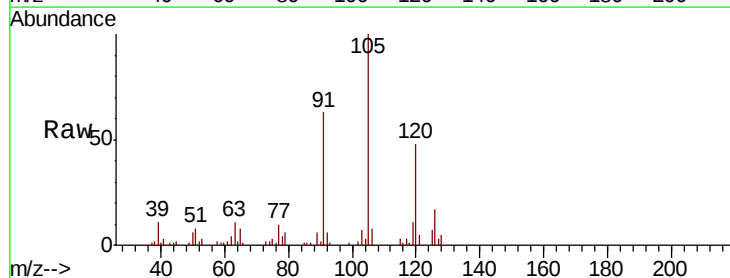


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

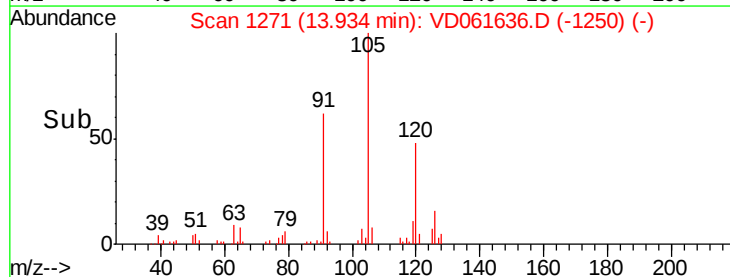
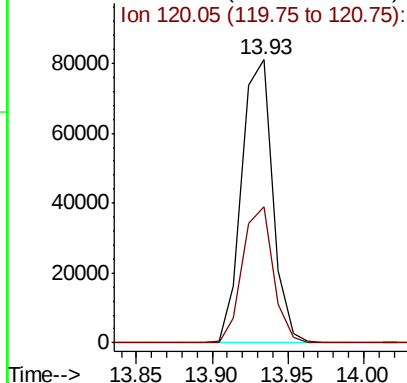


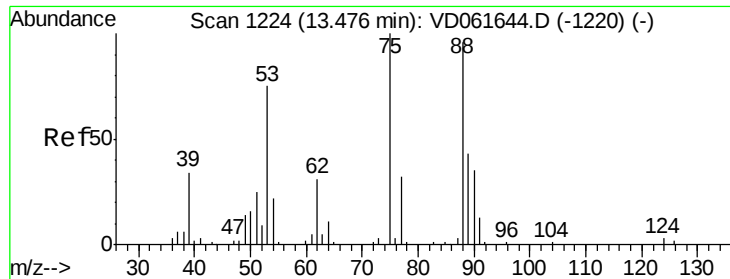
#80
 1,3,5-Trimethylbenzene
 Concen: 4.559 ug/l
 RT: 13.93 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD061636.D
 Acq: 6 Apr 2019 11:39

Tgt Ion: 105 Resp: 115398
 Ion Ratio Lower Upper
 105 100
 120 48.1 24.4 73.2



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





#81

trans-1,4-Dichloro-2-butene

Concen: 3.508 ug/l

RT: 13.47 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VD061636.D

Acq: 6 Apr 2019 11:39

Instrument :

MSVOA_D

ClientSampleId :

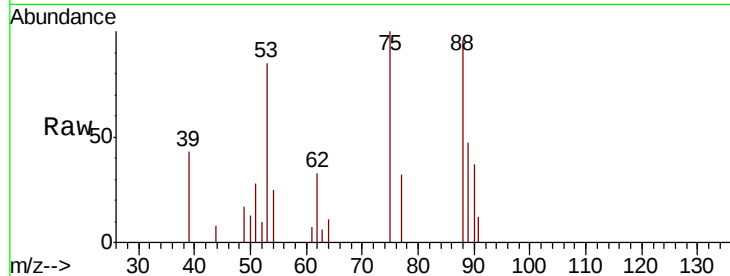
Tot Ion: 75 Resp: 6983

Ion Ratio Lower Upper

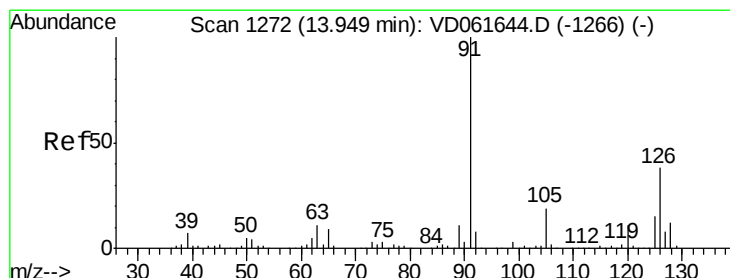
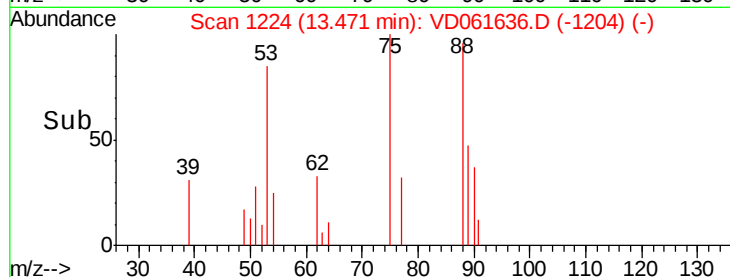
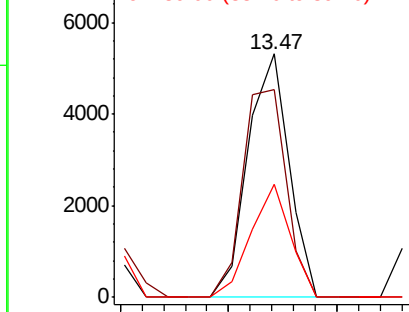
75 100

53 85.3 60.2 90.2

89 46.6 34.2 51.2



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



#82

4-Chlorotoluene

Concen: 4.635 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. -0.00 min

Lab File: VD061636.D

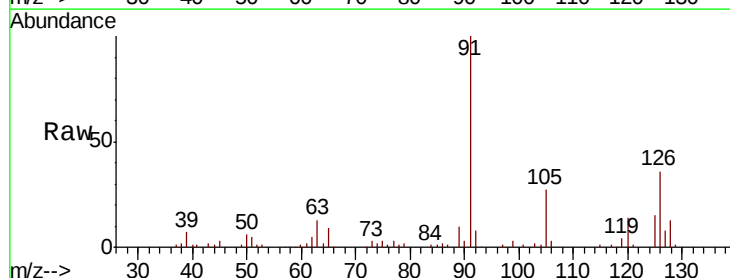
Acq: 6 Apr 2019 11:39

Tgt Ion: 91 Resp: 109882

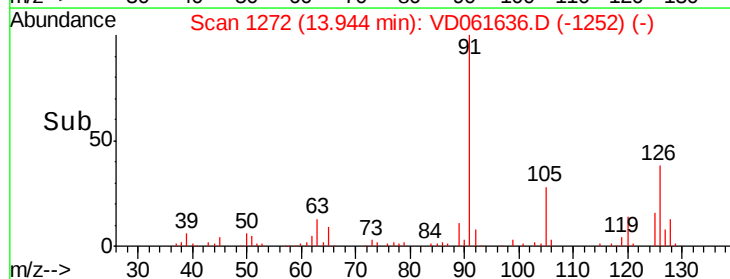
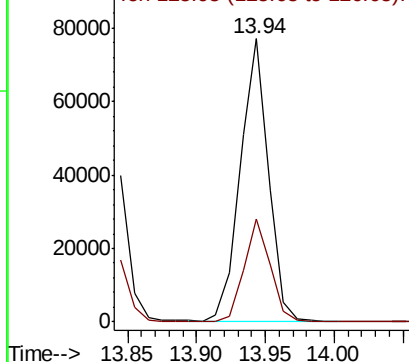
Ion Ratio Lower Upper

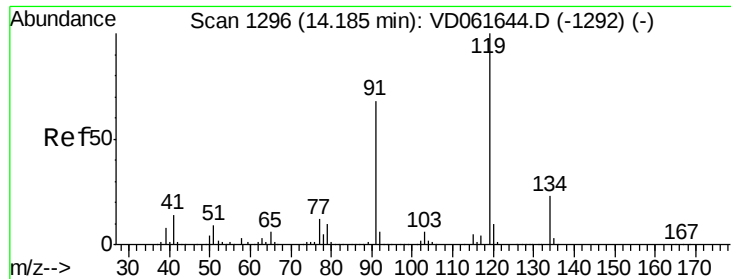
91 100

126 36.4 19.0 57.0



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

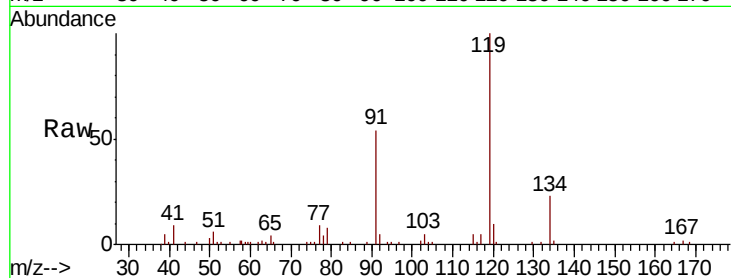




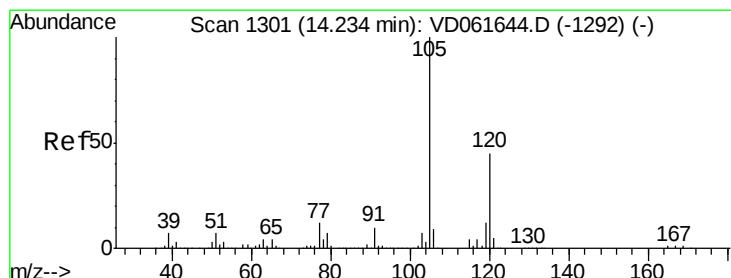
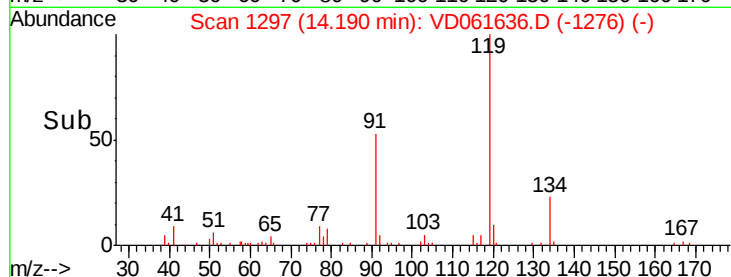
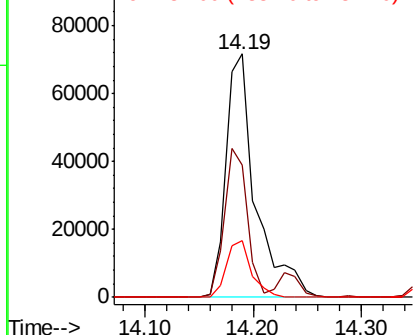
#83
tert-Butylbenzene
Concen: 4.541 ug/l
RT: 14.19 min Scan# 1297
Delta R.T. 0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:119 Resp: 137517
Ion Ratio Lower Upper
119 100
91 54.1 33.9 101.6
134 23.2 11.6 34.8

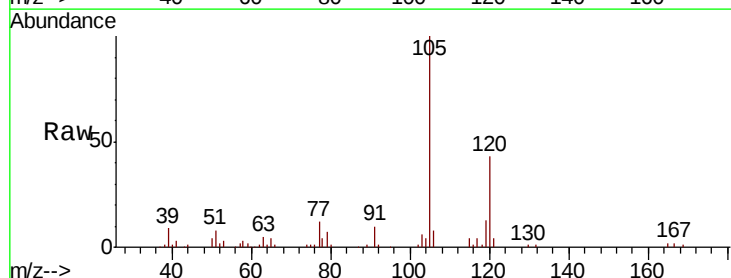


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

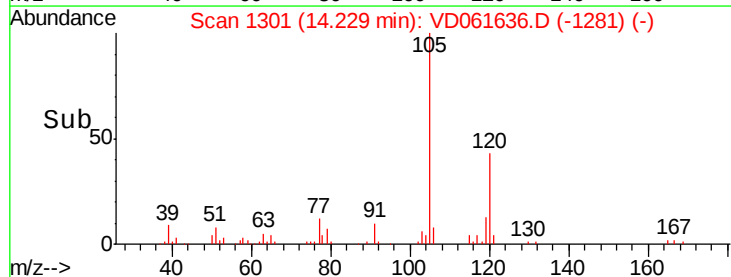
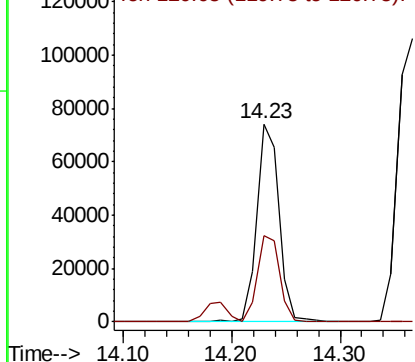


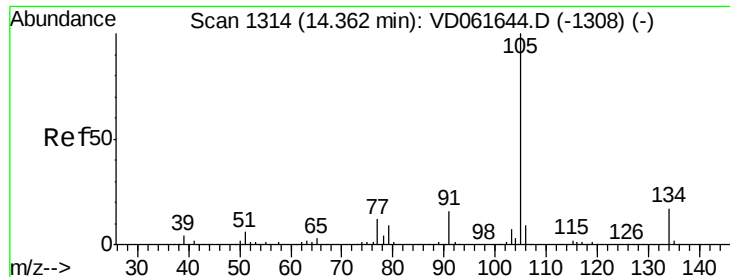
#84
1,2,4-Trimethylbenzene
Concen: 4.081 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Tgt Ion:105 Resp: 106171
Ion Ratio Lower Upper
105 100
120 43.4 22.6 67.8



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

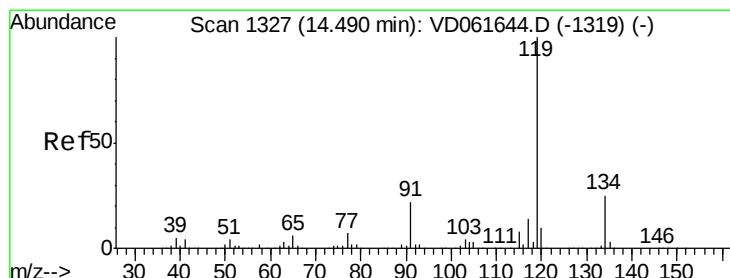
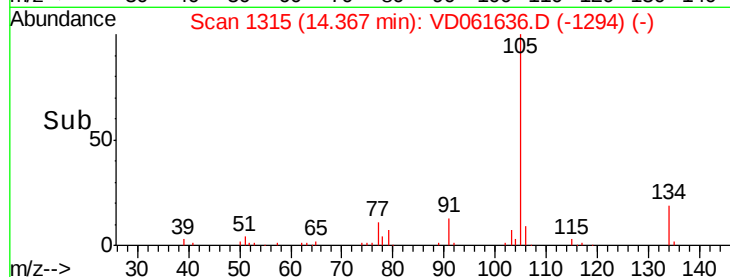
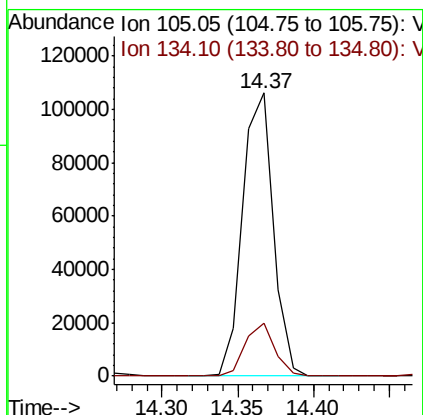
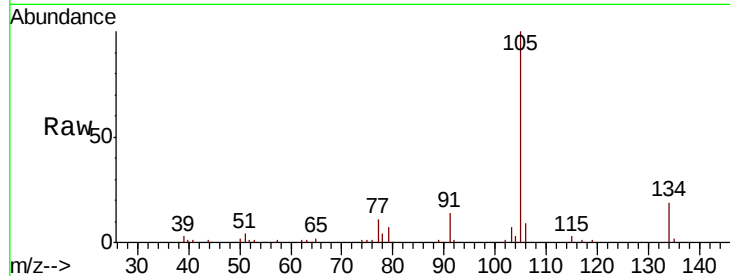




#85
 sec-Butylbenzene
 Concen: 4.631 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VD061636.D
 Acq: 6 Apr 2019 11:39

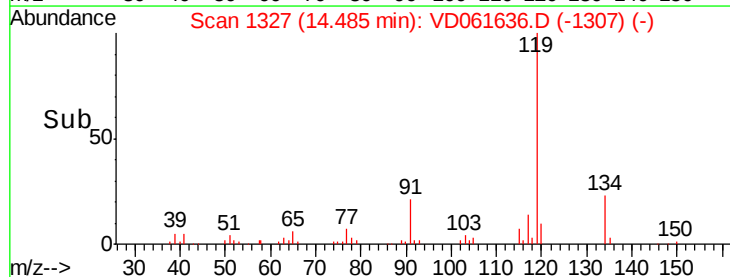
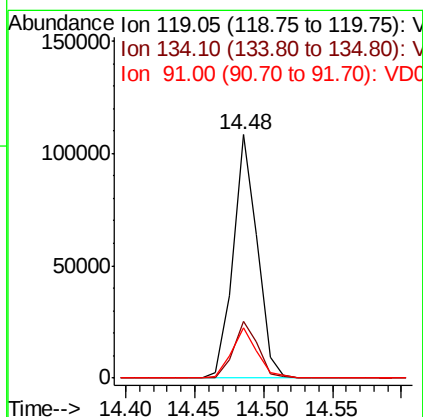
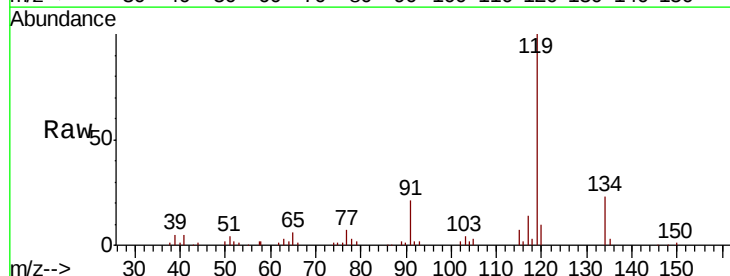
Instrument :
 MSVOA_D
 ClientSampleId :

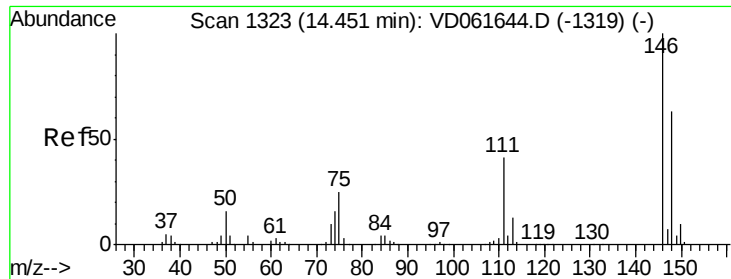
Tot Ion:105 Resp: 149801
 Ion Ratio Lower Upper
 105 100
 134 18.5 8.6 25.7



#86
 p-Isopropyltoluene
 Concen: 4.407 ug/l
 RT: 14.48 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD061636.D
 Acq: 6 Apr 2019 11:39

Tgt Ion:119 Resp: 131525
 Ion Ratio Lower Upper
 119 100
 134 23.1 12.5 37.5
 91 20.9 11.0 33.0

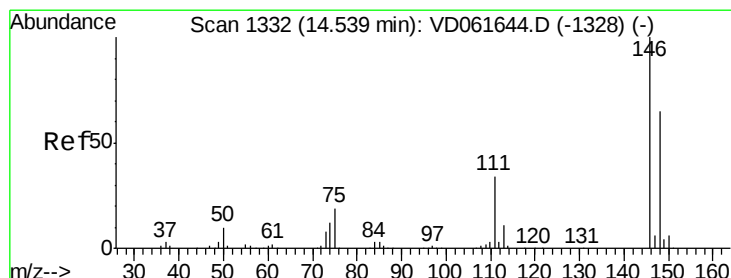
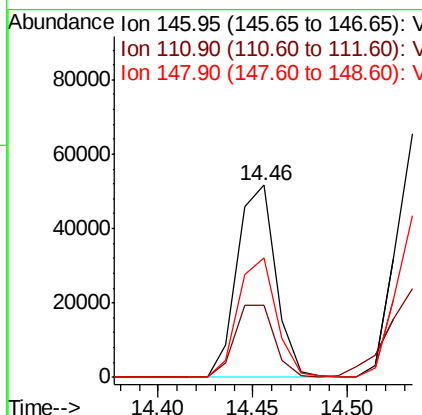
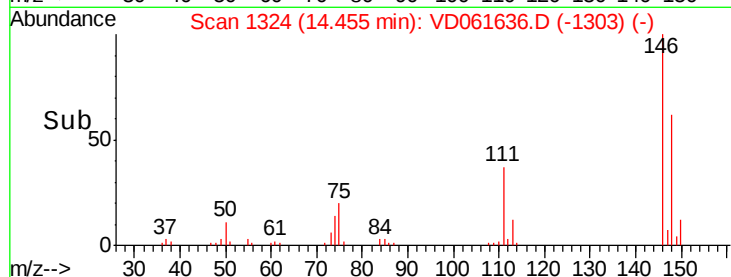
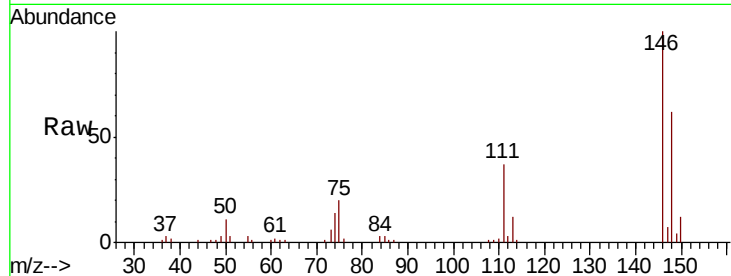




#87
 1,3-Dichlorobenzene
 Concen: 4.523 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VD061636.D
 Acq: 6 Apr 2019 11:39

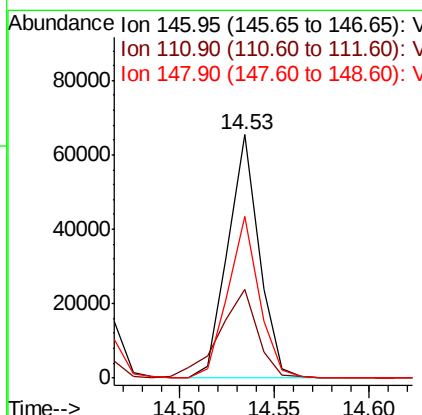
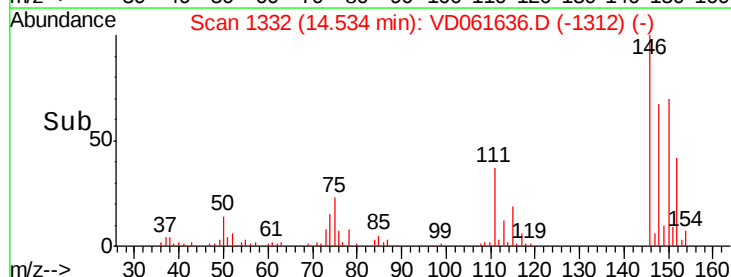
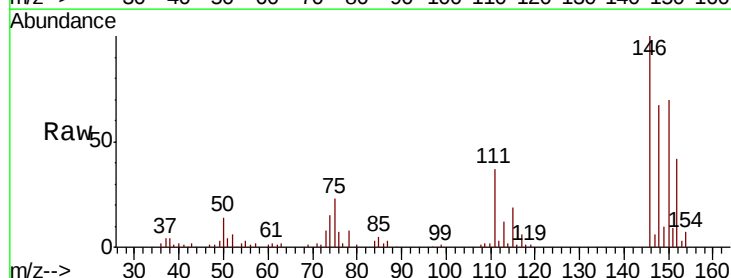
Instrument :
 MSVOA_D
 ClientSampled :

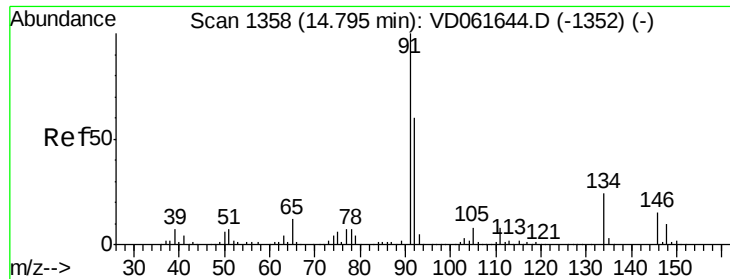
Tot Ion:146 Resp: 72786
 Ion Ratio Lower Upper
 146 100
 111 37.2 20.3 61.0
 148 62.5 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 4.707 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD061636.D
 Acq: 6 Apr 2019 11:39

Tgt Ion:146 Resp: 75033
 Ion Ratio Lower Upper
 146 100
 111 36.5 17.1 51.2
 148 66.6 32.6 97.7

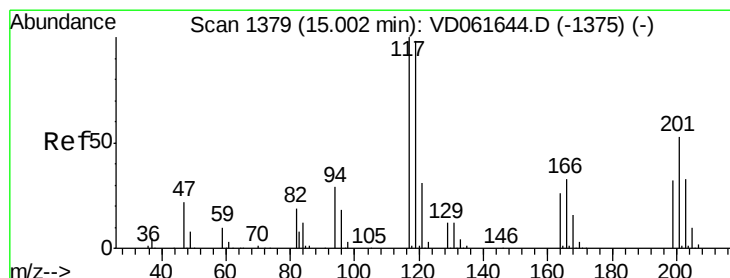
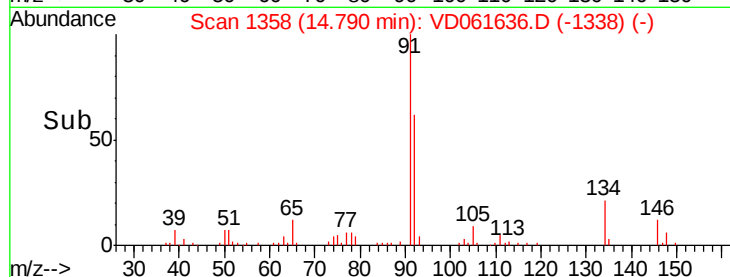
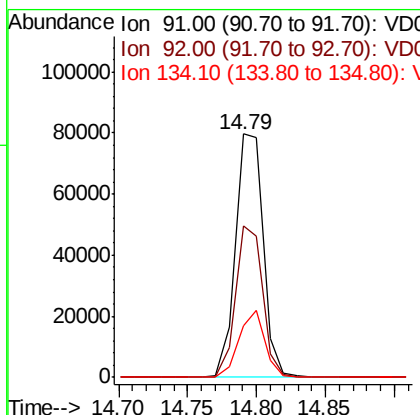
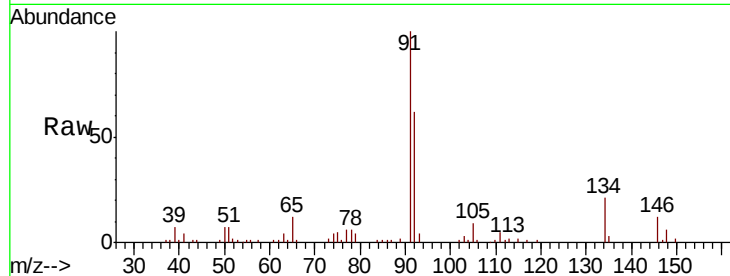




#89
n-Butylbenzene
Concen: 4.382 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

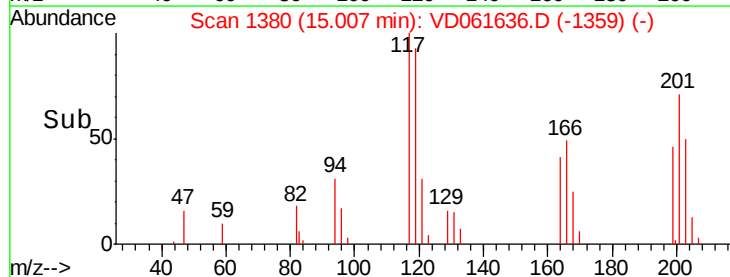
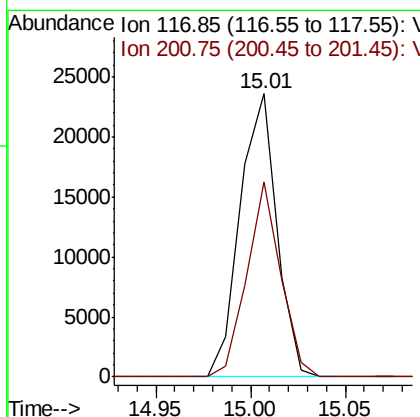
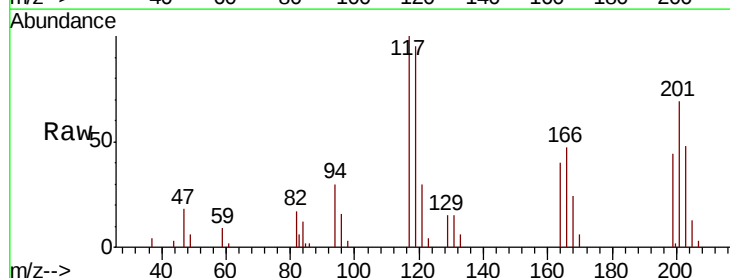
Instrument :
MSVOA_D
ClientSampleId :

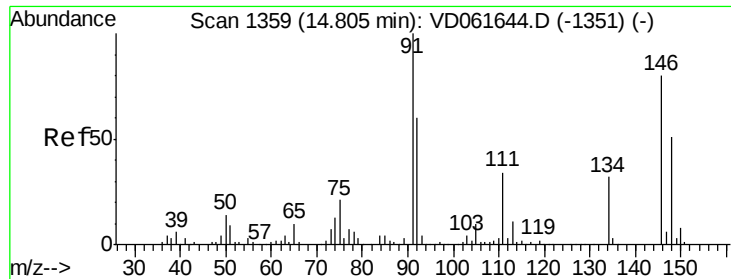
Tot Ion: 91 Resp: 112255
Ion Ratio Lower Upper
91 100
92 62.2 29.8 89.4
134 21.4 12.2 36.4



#90
Hexachloroethane
Concen: 4.103 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. 0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Tgt Ion: 117 Resp: 31609
Ion Ratio Lower Upper
117 100
201 68.8 26.3 78.8

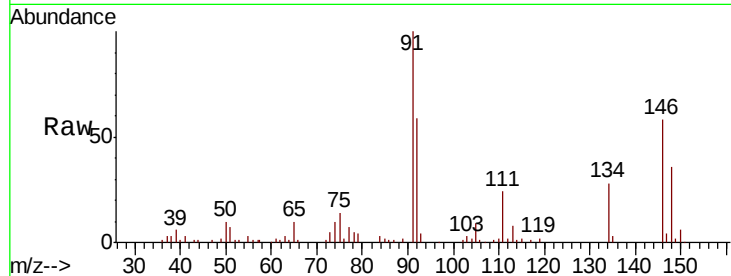




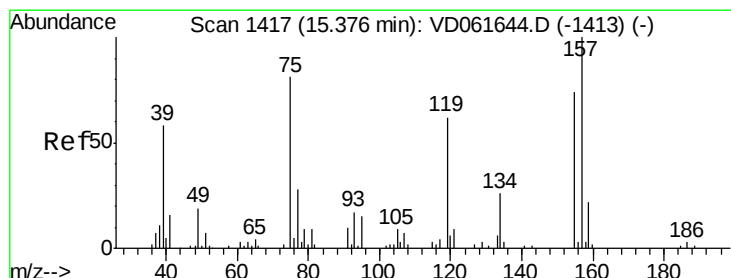
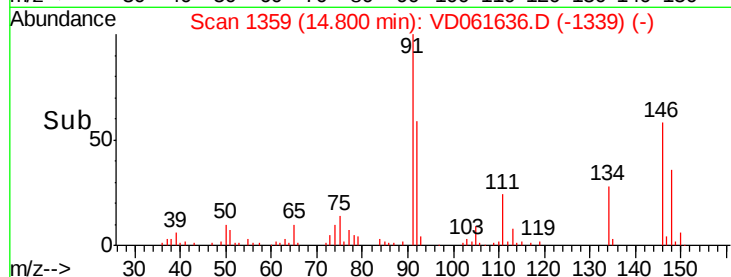
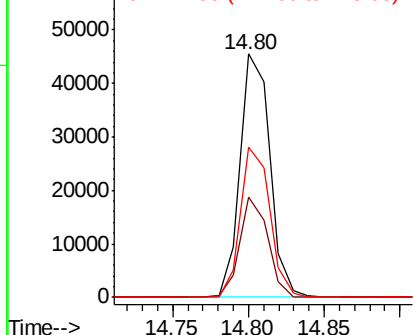
#91
 1,2-Dichlorobenzene
 Concen: 4.715 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD061636.D
 Acq: 6 Apr 2019 11:39

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 62220
 Ion Ratio Lower Upper
 146 100
 111 41.3 21.1 63.3
 148 61.8 31.7 95.1

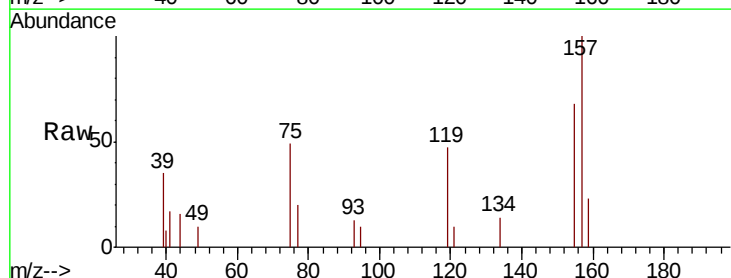


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

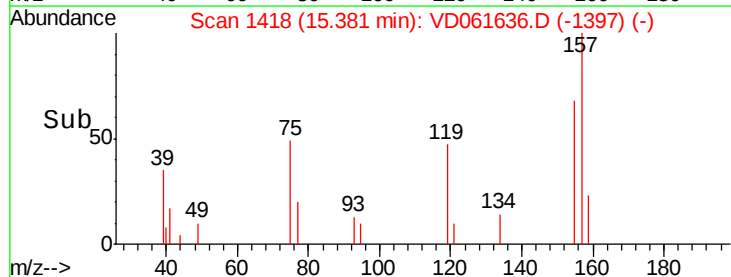
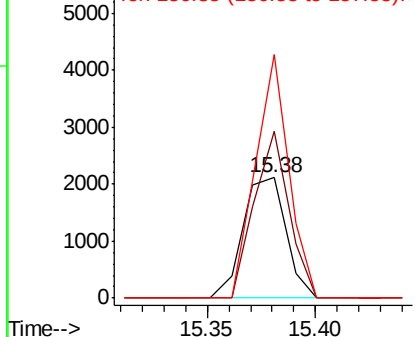


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.593 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.00 min
 Lab File: VD061636.D
 Acq: 6 Apr 2019 11:39

Tgt Ion: 75 Resp: 2899
 Ion Ratio Lower Upper
 75 100
 155 138.5 45.6 136.7#
 157 202.7 61.4 184.2#



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

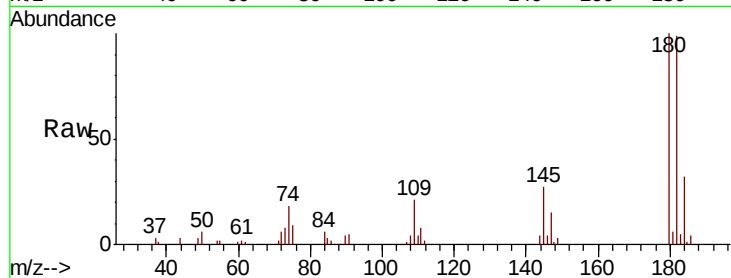




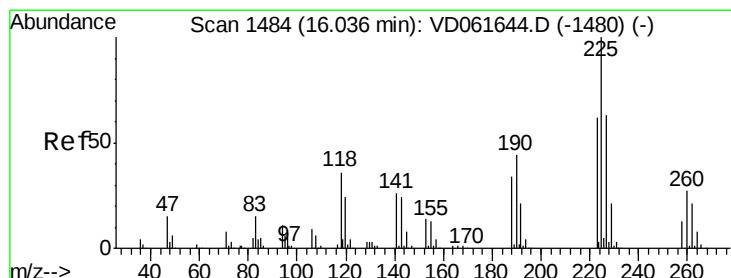
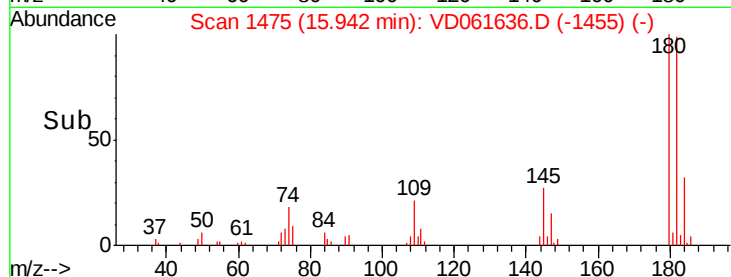
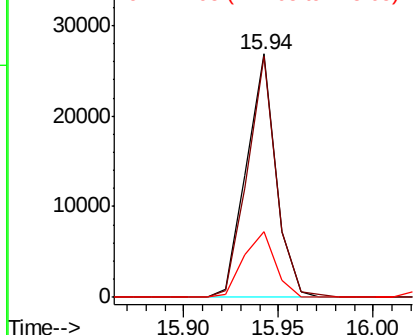
#93
 1,2,4-Trichlorobenzene
 Concen: 4.344 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. -0.00 min
 Lab File: VD061636.D
 Acq: 6 Apr 2019 11:39

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 29001
 Ion Ratio Lower Upper
 180 100
 182 98.9 47.8 143.3
 145 27.0 13.3 39.8

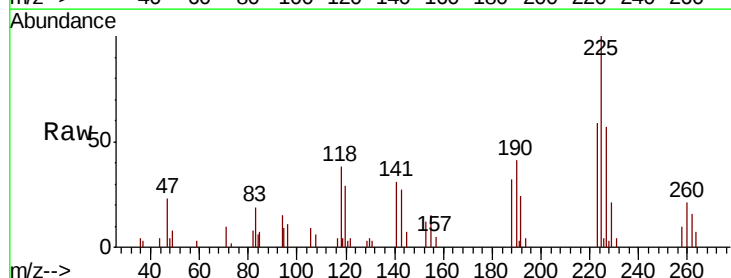


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

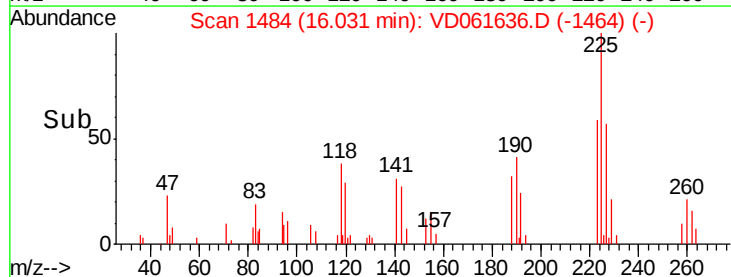
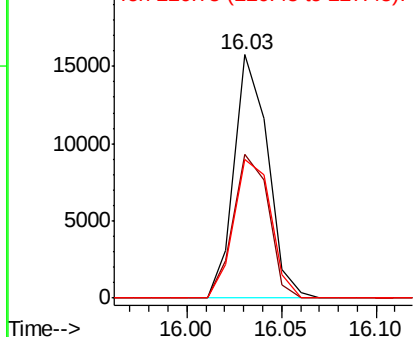


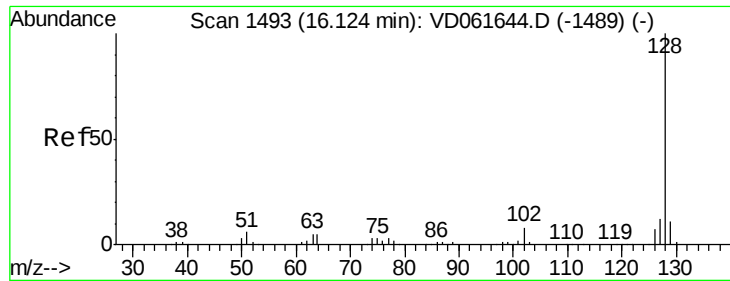
#94
 Hexachlorobutadiene
 Concen: 3.747 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061636.D
 Acq: 6 Apr 2019 11:39

Tgt Ion:225 Resp: 19248
 Ion Ratio Lower Upper
 225 100
 223 58.9 30.8 92.3
 227 56.8 31.5 94.5



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

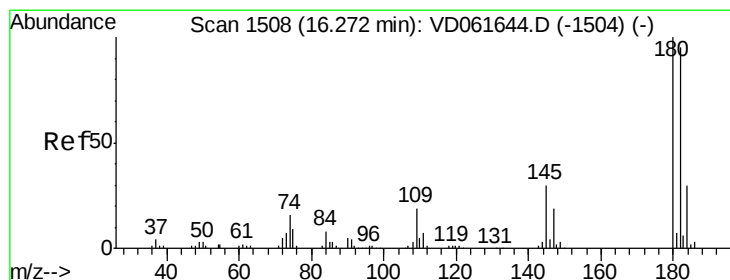
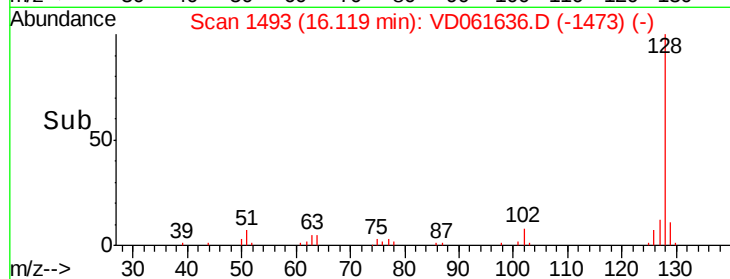
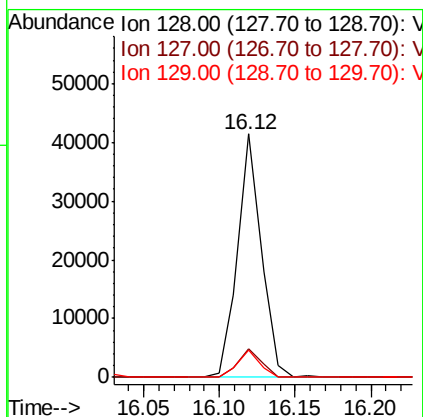
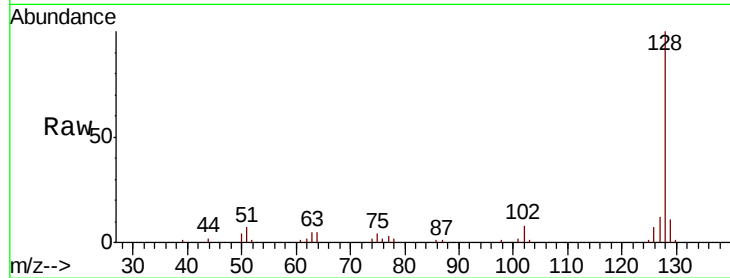




#95
Naphthalene
Concen: 4.293 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 45203
Ion Ratio Lower Upper
128 100
127 11.6 9.4 14.2
129 11.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 4.304 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061636.D
Acq: 6 Apr 2019 11:39

Tgt Ion:180 Resp: 14228
Ion Ratio Lower Upper
180 100
182 89.5 47.3 142.0
145 27.9 15.1 45.3

