

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
 Data File : VD061576.D
 Acq On : 4 Apr 2019 13:37
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 05 01:08:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	710580	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	1023684	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.35	117	799300	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	402880	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.43	65	266783	43.95	ug/l	0.00
Spiked Amount			Recovery	=	87.90%	
35) Dibromofluoromethane	6.90	113	422982	54.07	ug/l	0.00
Spiked Amount			Recovery	=	108.14%	
50) Toluene-d8	10.39	98	1043572	55.62	ug/l	0.00
Spiked Amount			Recovery	=	111.24%	
62) 4-Bromofluorobenzene	13.55	95	408971	56.84	ug/l	0.00
Spiked Amount			Recovery	=	113.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	336187	44.301	ug/l	100
3) Chloromethane	1.75	50	250138	40.417	ug/l	99
4) Vinyl Chloride	1.85	62	249224	43.857	ug/l	98
5) Bromomethane	2.15	94	49378	43.820	ug/l #	97
6) Chloroethane	2.26	64	81921	49.159	ug/l	97
7) Trichlorofluoromethane	2.53	101	371667	44.978	ug/l	100
8) Diethyl Ether	2.86	74	120215	45.185	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.14	101	412227	46.403	ug/l	95
10) Methyl Iodide	3.30	142	585021	43.781	ug/l	100
11) Tert butyl alcohol	4.05	59	88973	235.363	ug/l	100
12) 1,1-Dichloroethene	3.12	96	353157	46.303	ug/l	97
13) Acrolein	3.02	56	66496	228.941	ug/l	98
14) Allyl chloride	3.61	41	493456	46.386	ug/l	98
15) Acrylonitrile	4.18	53	301740	229.976	ug/l	96
16) Acetone	3.21	43	434589	278.510	ug/l	99
17) Carbon Disulfide	3.37	76	1032295	41.657	ug/l	99
18) Methyl Acetate	3.62	43	155673	47.449	ug/l	97
19) Methyl tert-butyl Ether	4.21	73	620102	46.968	ug/l	99
20) Methylene Chloride	3.80	84	422320	48.245	ug/l	97
21) trans-1,2-Dichloroethene	4.20	96	378182	45.926	ug/l	99
22) Diisopropyl ether	5.10	45	1047975	46.552	ug/l	98
23) Vinyl Acetate	5.04	43	2775594	226.982	ug/l	99
24) 1,1-Dichloroethane	4.96	63	592469	44.782	ug/l	100
25) 2-Butanone	6.04	43	458408	233.541	ug/l	96
26) 2,2-Dichloropropane	6.00	77	505723	48.086	ug/l	99
27) cis-1,2-Dichloroethene	6.01	96	407331	45.149	ug/l	94
28) Bromochloromethane	6.42	49	257038	48.130	ug/l #	99
29) Tetrahydrofuran	6.44	42	229760	241.500	ug/l	99
30) Chloroform	6.64	83	654236	47.859	ug/l	97
31) Cyclohexane	6.93	56	461641	44.156	ug/l	99
32) 1,1,1-Trichloroethane	6.85	97	559021	46.353	ug/l	98
36) 1,1-Dichloropropene	7.13	75	454502	50.871	ug/l	98
37) Ethyl Acetate	6.16	43	217320	56.874	ug/l	99
38) Carbon Tetrachloride	7.09	117	617814	60.177	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	480343	51.621	ug/l	98
40) Benzene	7.43	78	1155309	51.523	ug/l	97
41) Methacrylonitrile	6.42	41	253377	56.713	ug/l #	93
42) 1,2-Dichloroethane	7.56	62	380413	56.716	ug/l	99
43) Isopropyl Acetate	9.22	43	296842	53.393	ug/l #	97
44) Trichloroethene	8.53	130	447472	53.624	ug/l	98
45) 1,2-Dichloropropane	8.92	63	301905	53.098	ug/l	97
46) Dibromomethane	9.05	93	217701	56.886	ug/l	99
47) Bromodichloromethane	9.36	83	480308	55.918	ug/l	99
48) Methyl methacrylate	9.10	41	178061	58.033	ug/l	100
49) 1,4-Dioxane	9.06	88	40278	1190.158	ug/l	94
51) 4-Methyl-2-Pentanone	10.28	43	969870	286.741	ug/l	98
52) Toluene	10.49	92	729157	53.302	ug/l	100
53) t-1,3-Dichloropropene	10.90	75	434604	55.690	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	524766	55.223	ug/l	97
55) 1,1,2-Trichloroethane	11.17	97	234382	48.992	ug/l	99
56) Ethyl methacrylate	11.03	69	281383	54.750	ug/l	96
57) 1,3-Dichloropropane	11.39	76	387479	55.104	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.83	63	677663	270.755	ug/l	99
59) 2-Hexanone	11.52	43	685792	279.841	ug/l	98
60) Dibromochloromethane	11.67	129	404559	54.854	ug/l	99
61) 1,2-Dibromoethane	11.79	107	296287	53.484	ug/l	98
64) Tetrachloroethene	11.24	164	331626	52.865	ug/l	98
65) Chlorobenzene	12.38	112	912191	55.843	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.50	131	378022	59.769	ug/l	98
67) Ethyl Benzene	12.51	91	1443862	57.909	ug/l	98
68) m/p-Xylenes	12.66	106	1058237	112.044	ug/l	97
69) o-Xylene	13.03	106	487542	53.194	ug/l	97
70) Styrene	13.06	104	838151	52.459	ug/l	98
71) Bromoform	13.22	173	219445	54.734	ug/l	99
73) Isopropylbenzene	13.39	105	1372063	48.932	ug/l	98
74) N-amyl acetate	13.26	43	385625	49.369	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	273148	46.178	ug/l	94
76) 1,2,3-Trichloropropane	13.72	75	290235	49.871	ug/l	98
77) Bromobenzene	13.65	156	376912	45.342	ug/l	98
78) n-propylbenzene	13.76	91	1745921	50.880	ug/l	98
79) 2-Chlorotoluene	13.83	91	958538	51.446	ug/l	100
80) 1,3,5-Trimethylbenzene	13.92	105	1110011	51.021	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	92991	52.406	ug/l	94
82) 4-Chlorotoluene	13.94	91	1003607	49.539	ug/l	96
83) tert-Butylbenzene	14.18	119	1145443	42.129	ug/l	98
84) 1,2,4-Trimethylbenzene	14.22	105	1057805	44.911	ug/l	99
85) sec-Butylbenzene	14.36	105	1414539	48.973	ug/l	96
86) p-Isopropyltoluene	14.48	119	1286364	52.668	ug/l	99
87) 1,3-Dichlorobenzene	14.44	146	690453	49.049	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	686831	50.033	ug/l	99
89) n-Butylbenzene	14.79	91	1046273	46.672	ug/l	99
90) Hexachloroethane	15.00	117	343225	49.742	ug/l	96
91) 1,2-Dichlorobenzene	14.80	146	552657	47.864	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	38477	55.463	ug/l	93

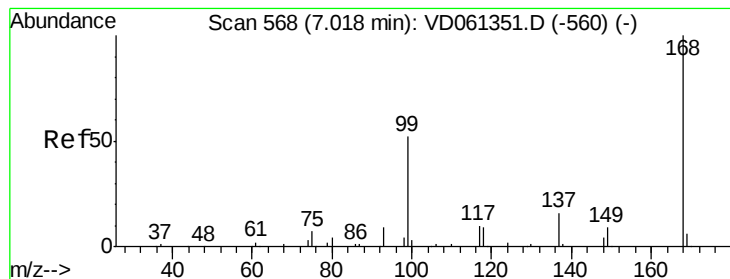
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040419\
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Quant Title : SW846 8260
QLast Update : Thu Mar 28 09:22:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	307670	58.495	ug/l	98
94) Hexachlorobutadiene	16.03	225	230986	56.199	ug/l	95
95) Naphthalene	16.12	128	444396	55.430	ug/l	98
96) 1,2,3-Trichlorobenzene	16.26	180	133813	57.814	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 569

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

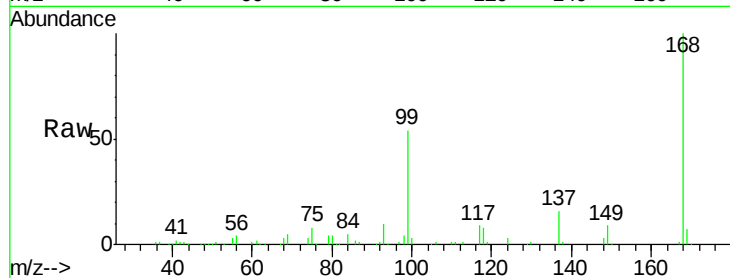
ClientSampleId :

Tot Ion:168 Resp: 710580

Ion Ratio Lower Upper

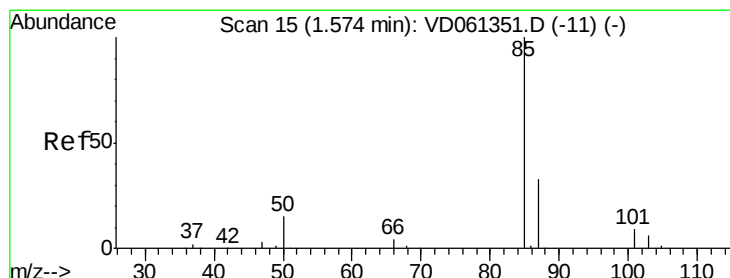
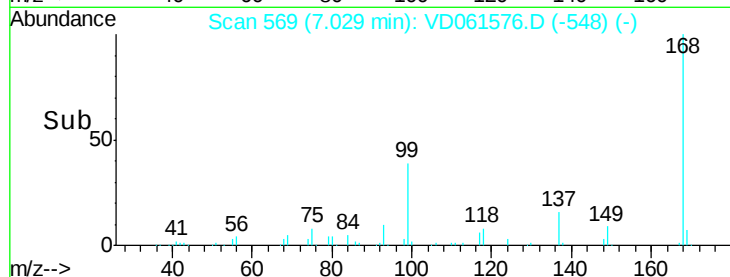
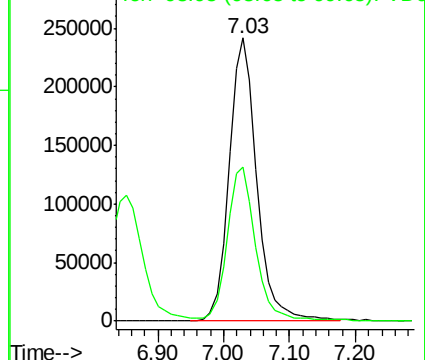
168 100

99 54.5 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 44.301 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD061576.D

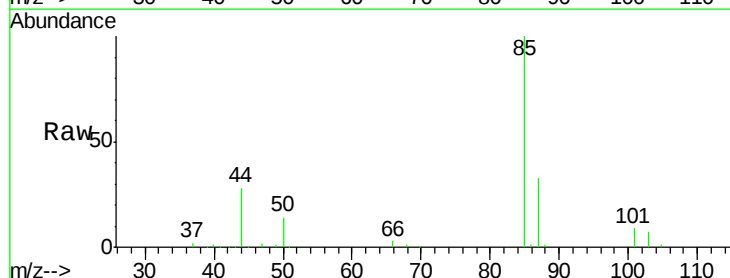
Acq: 4 Apr 2019 13:37

Tgt Ion: 85 Resp: 336187

Ion Ratio Lower Upper

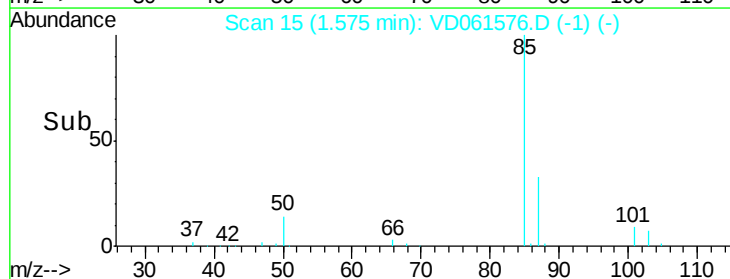
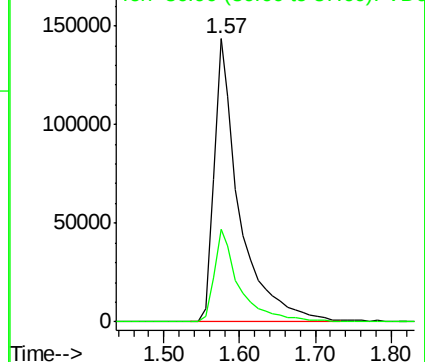
85 100

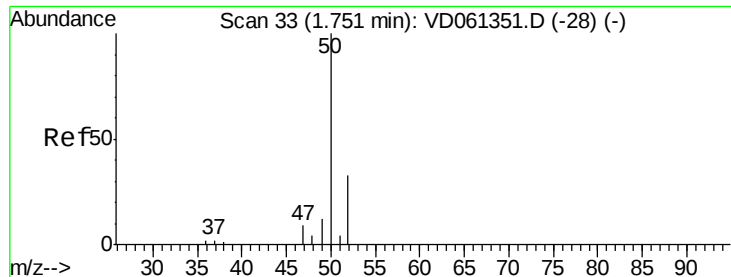
87 33.0 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 40.417 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

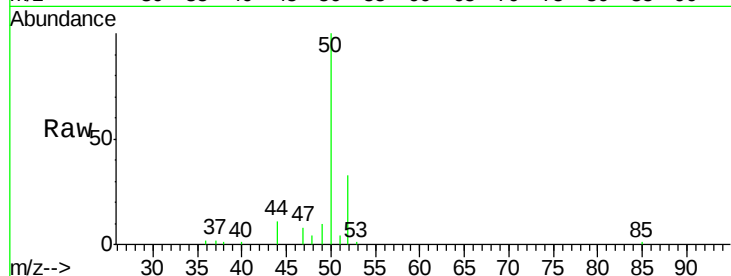
ClientSampleId :

Tot Ion: 50 Resp: 250138

Ion Ratio Lower Upper

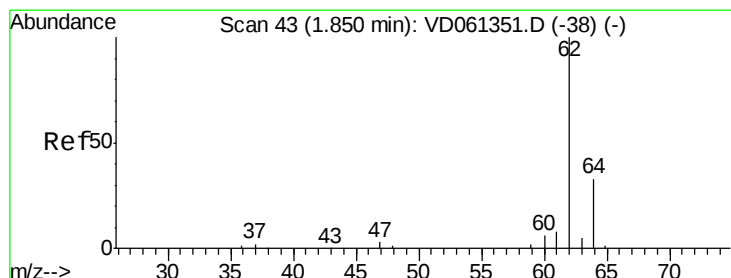
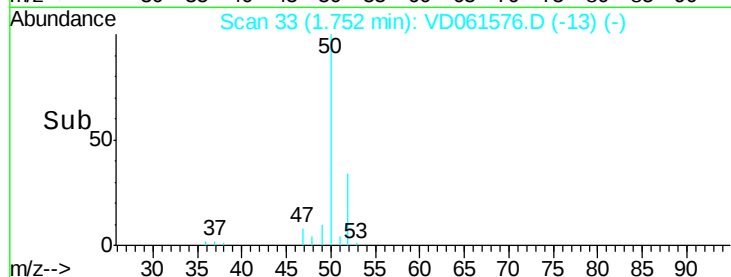
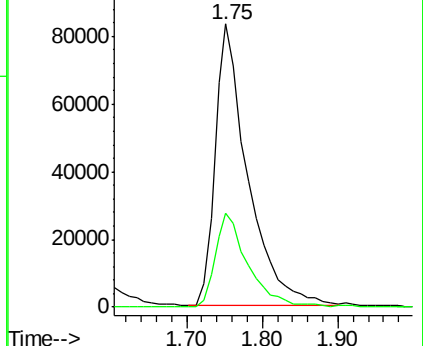
50 100

52 33.2 26.1 39.1



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.857 ug/l

RT: 1.85 min Scan# 43

Delta R.T. 0.00 min

Lab File: VD061576.D

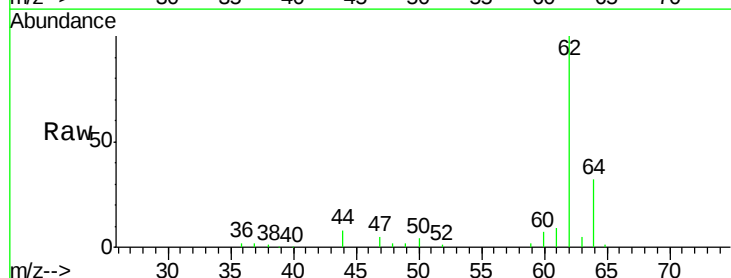
Acq: 4 Apr 2019 13:37

Tgt Ion: 62 Resp: 249224

Ion Ratio Lower Upper

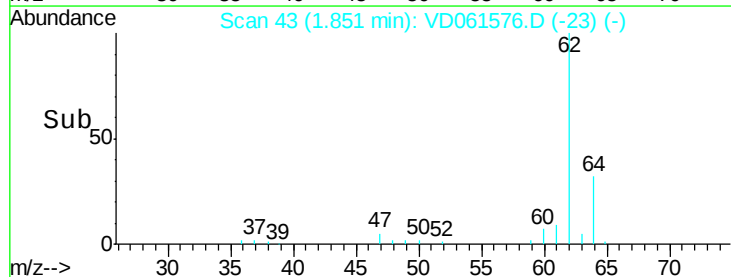
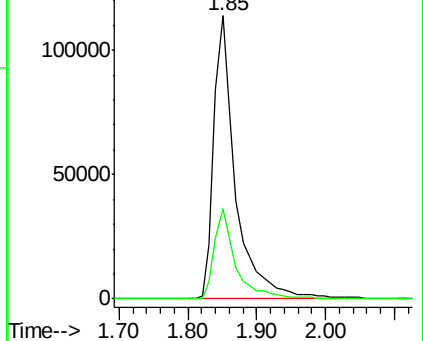
62 100

64 32.0 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

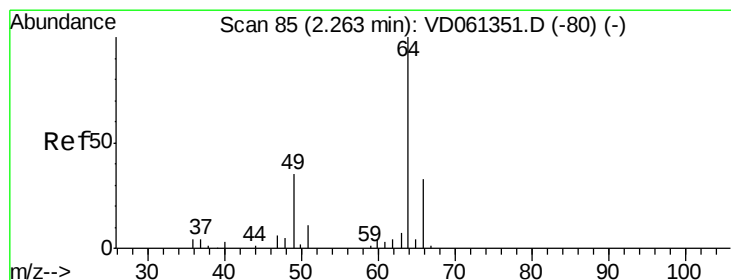
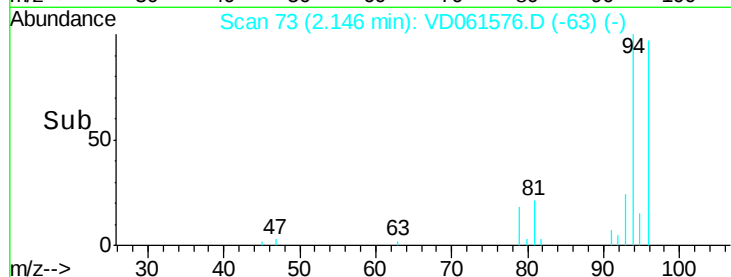
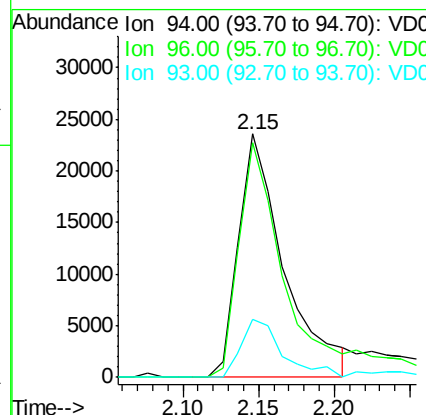
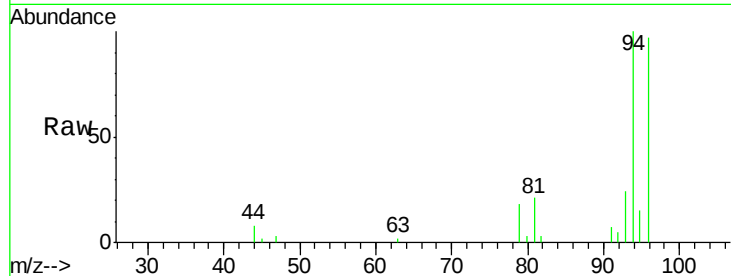




#5
Bromomethane
Concen: 43.820 ug/l
RT: 2.15 min Scan# 73
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

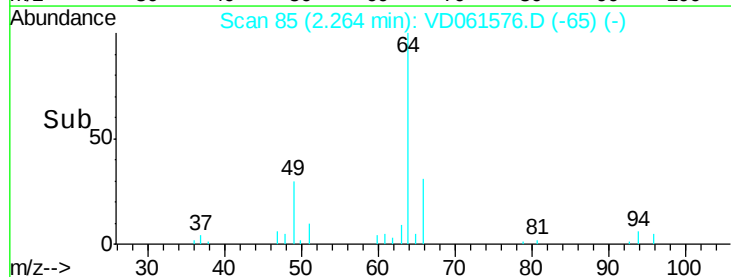
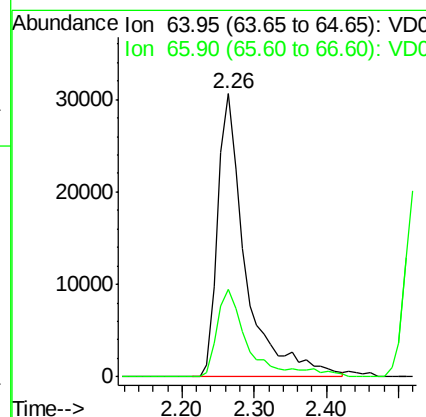
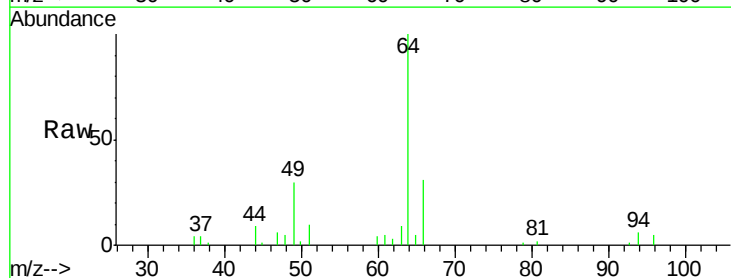
Instrument :
MSVOA_D
ClientSampleId :

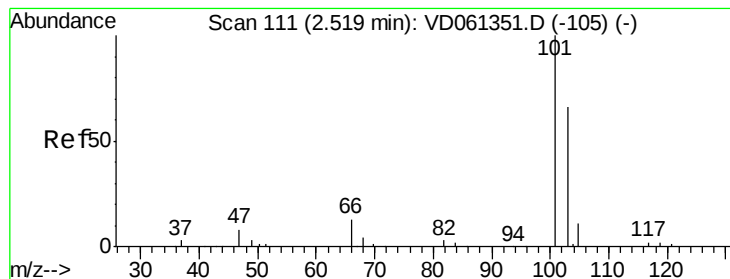
Tot Ion: 94 Resp: 49378
Ion Ratio Lower Upper
94 100
96 96.6 78.3 117.5
93 24.0 15.6 23.4#



#6
Chloroethane
Concen: 49.159 ug/l
RT: 2.26 min Scan# 85
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion: 64 Resp: 81921
Ion Ratio Lower Upper
64 100
66 31.0 26.2 39.2



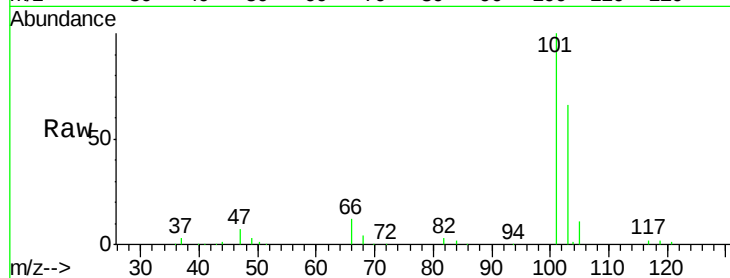


#7

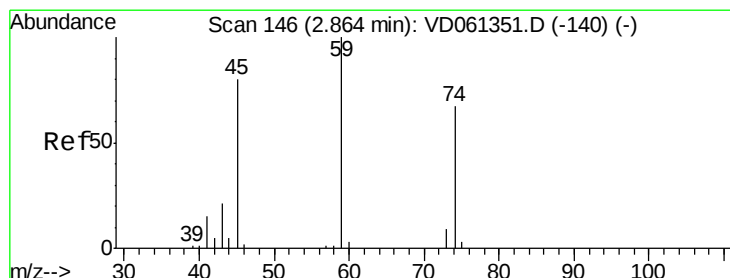
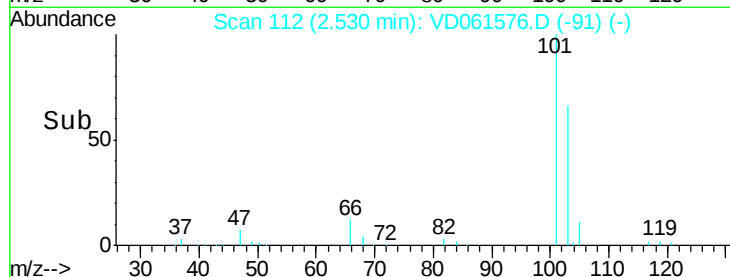
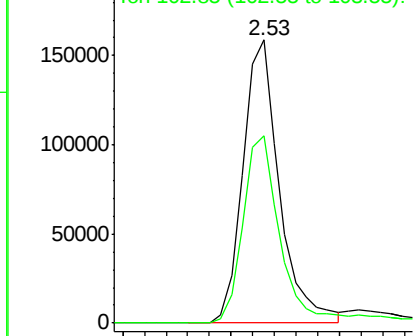
Trichlorofluoromethane
 Concen: 44.978 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:101 Resp: 371667
 Ion Ratio Lower Upper
 101 100
 103 66.0 53.1 79.7



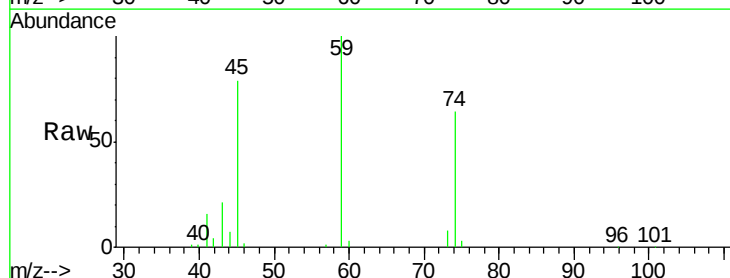
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



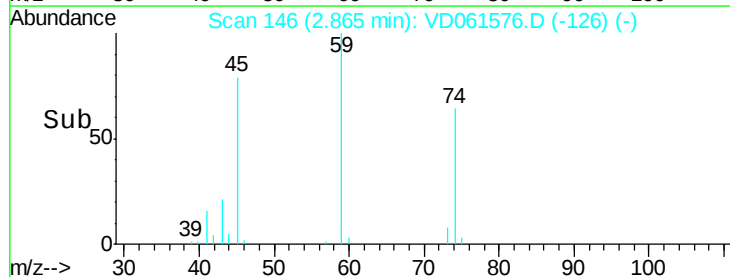
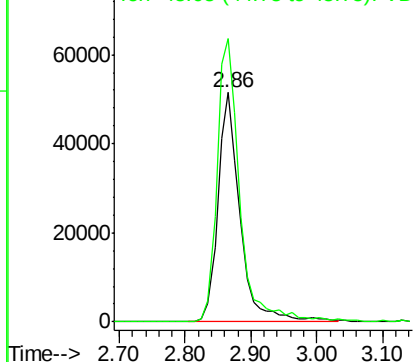
#8

Diethyl Ether
 Concen: 45.185 ug/l
 RT: 2.86 min Scan# 146
 Delta R.T. 0.00 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Tgt Ion: 74 Resp: 120215
 Ion Ratio Lower Upper
 74 100
 45 123.6 59.7 179.1



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: 46.403 ug/l

RT: 3.14 min Scan# 174

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

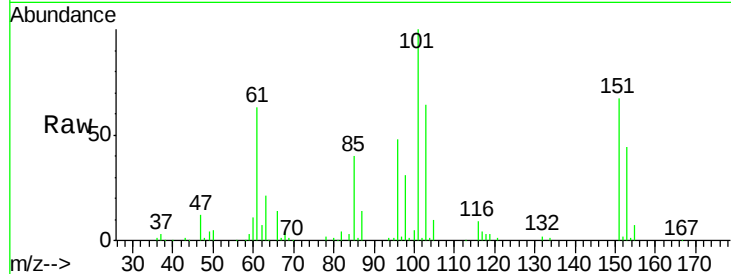
Tot Ion:101 Resp: 412227

Ion Ratio Lower Upper

101 100

85 39.7 29.4 44.0

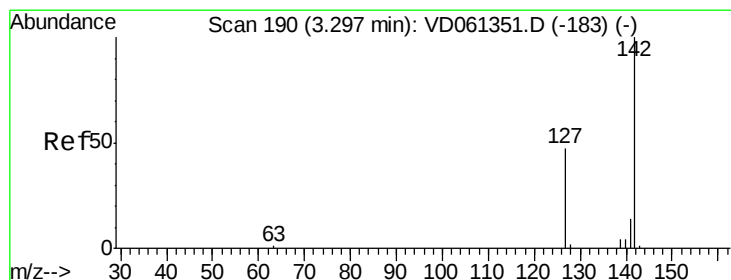
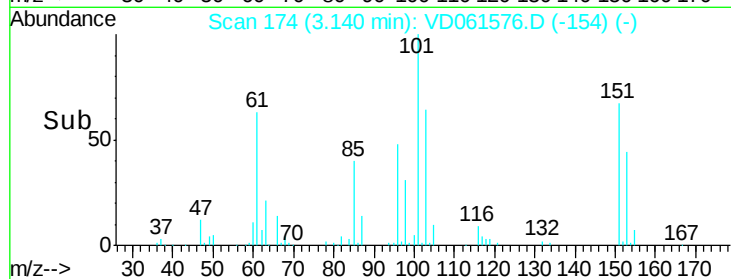
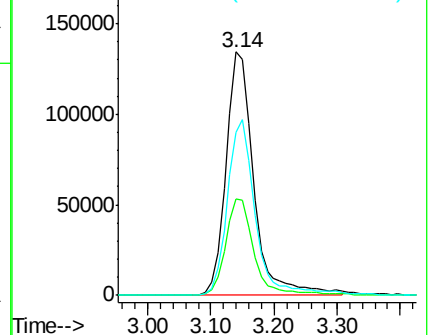
151 66.8 57.0 85.4



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 43.781 ug/l

RT: 3.30 min Scan# 190

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

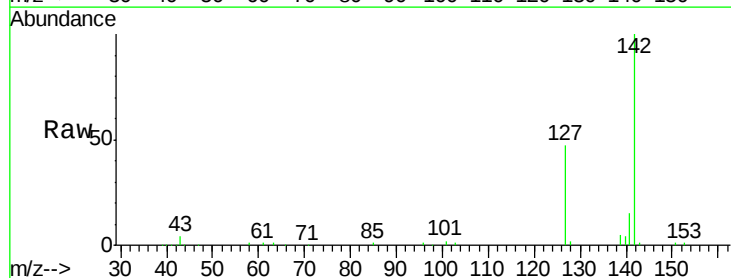
Tgt Ion:142 Resp: 585021

Ion Ratio Lower Upper

142 100

127 47.3 37.7 56.5

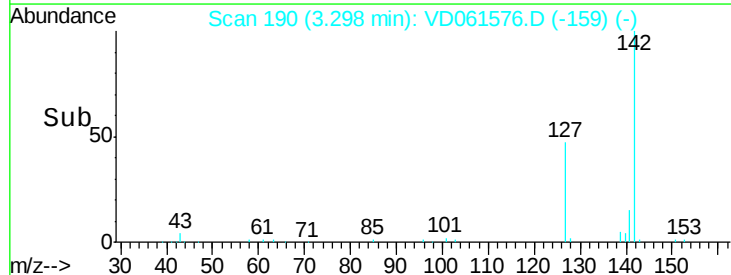
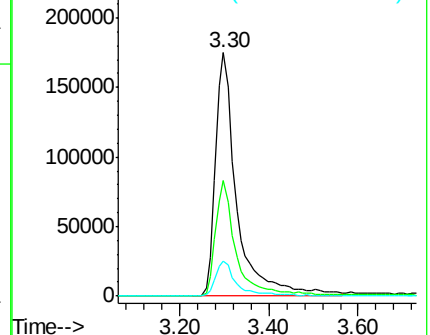
141 14.6 11.5 17.3

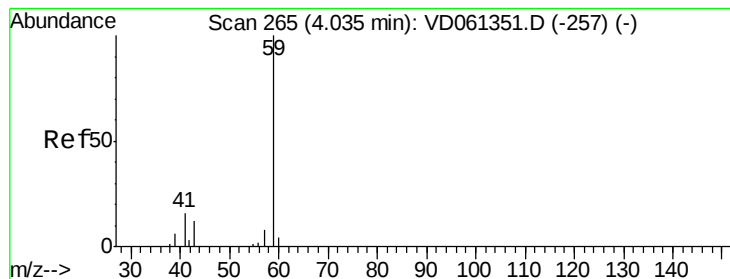


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



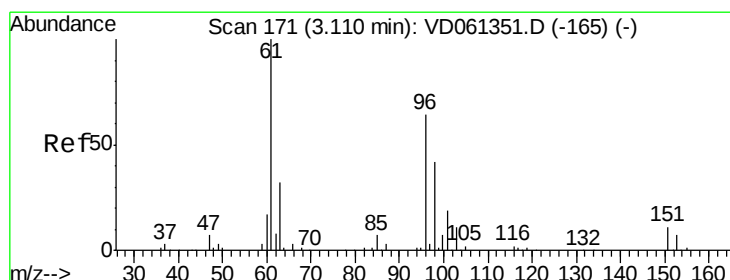
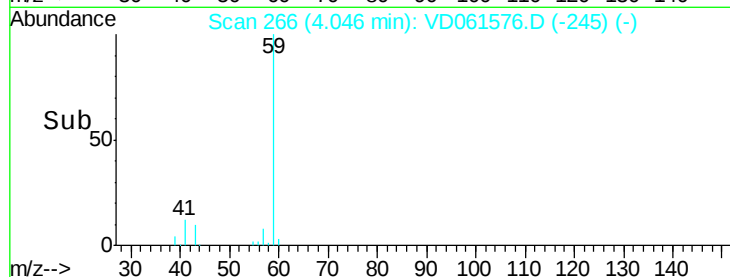
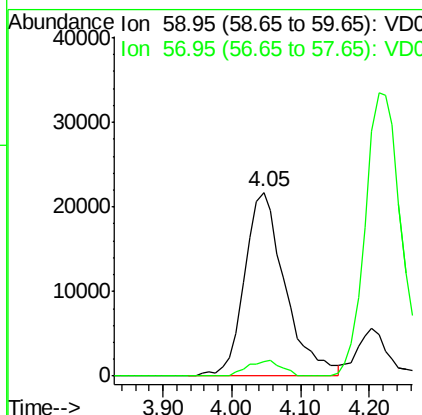
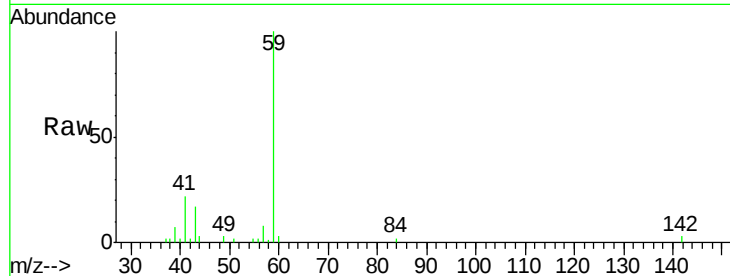


#11

Tert butyl alcohol
Concen: 235.363 ug/l
RT: 4.05 min Scan# 266
Delta R.T. 0.01 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :

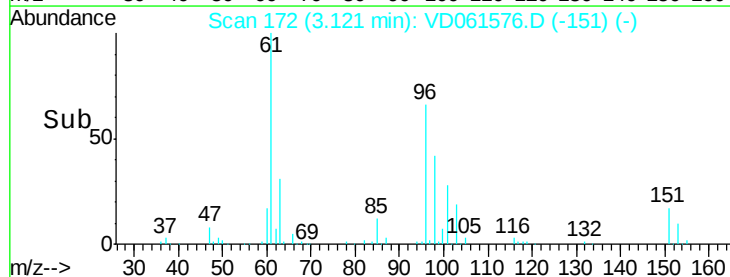
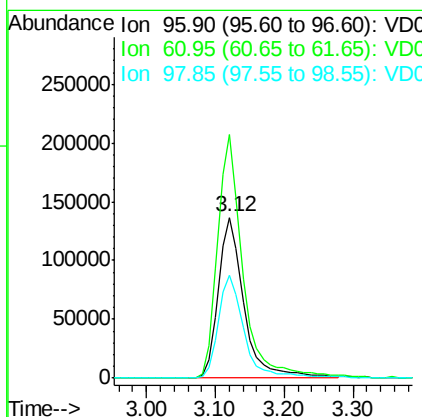
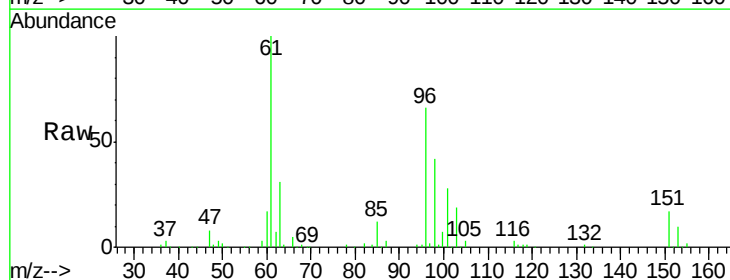
Tot Ion: 59 Resp: 88973
Ion Ratio Lower Upper
59 100
57 8.2 6.7 10.1

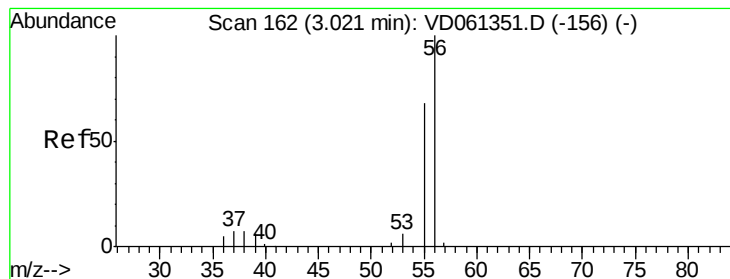


#12

1,1-Dichloroethene
Concen: 46.303 ug/l
RT: 3.12 min Scan# 172
Delta R.T. 0.01 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion: 96 Resp: 353157
Ion Ratio Lower Upper
96 100
61 151.4 124.9 187.3
98 63.5 52.5 78.7





#13

Acrolein

Concen: 228.941 ug/l

RT: 3.02 min Scan# 162

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

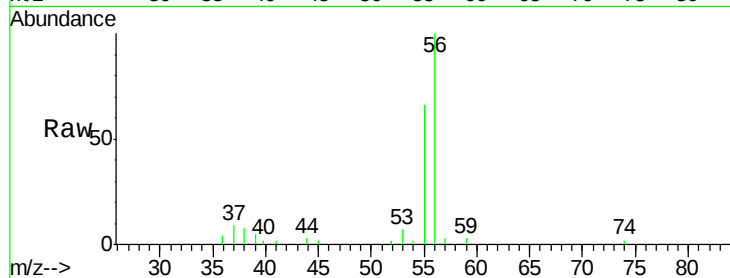
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 66496

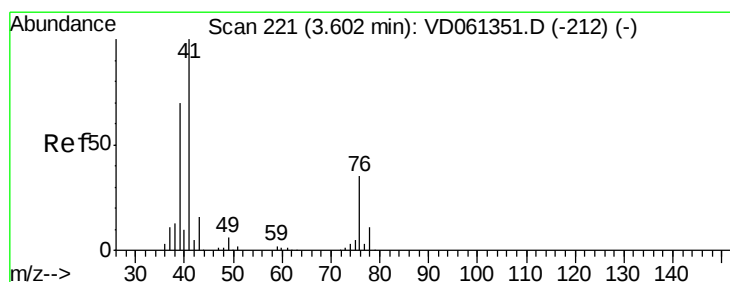
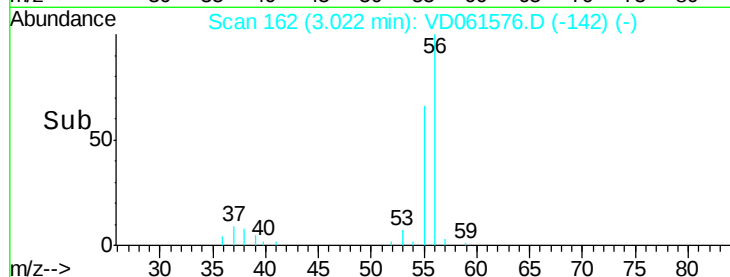
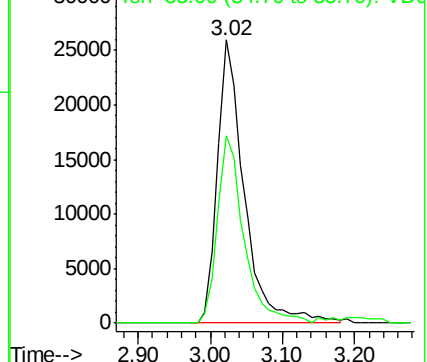
Ion Ratio Lower Upper

56 100

55 66.3 54.6 82.0



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



#14

Allyl chloride

Concen: 46.386 ug/l

RT: 3.61 min Scan# 222

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

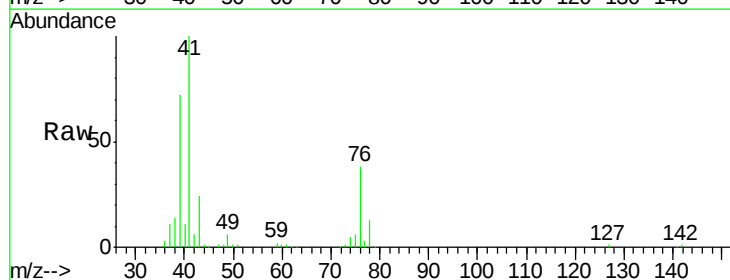
Tgt Ion: 41 Resp: 493456

Ion Ratio Lower Upper

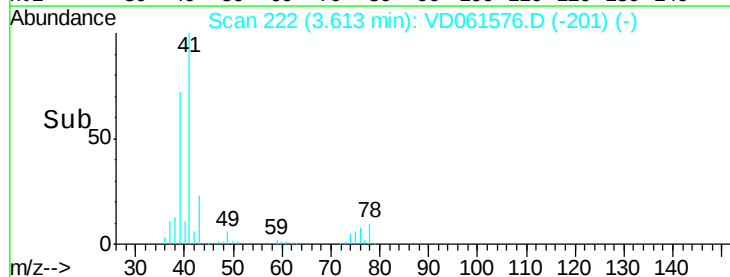
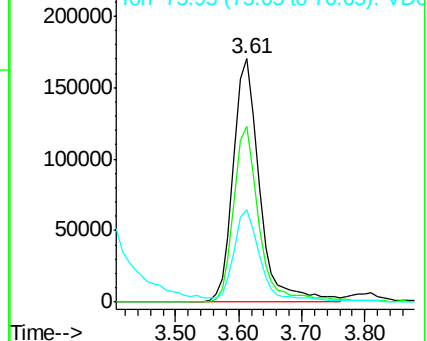
41 100

39 71.9 55.6 83.4

76 37.9 31.0 46.6



Abundance Ion 41.05 (40.75 to 41.75): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 229.976 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

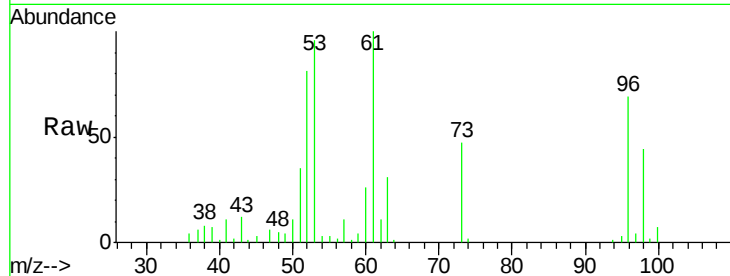
Tot Ion: 53 Resp: 301740

Ion Ratio Lower Upper

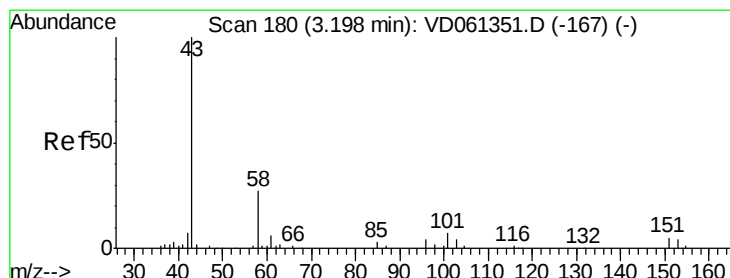
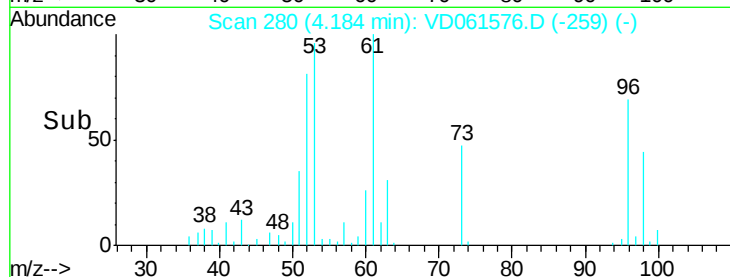
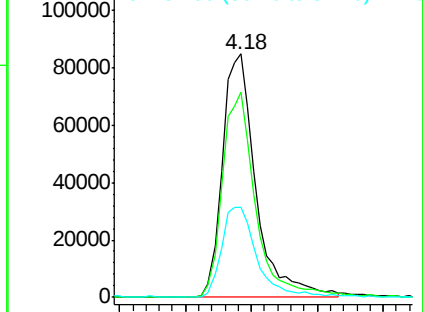
53 100

52 84.5 64.8 97.2

51 36.8 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: 278.510 ug/l

RT: 3.21 min Scan# 181

Delta R.T. 0.01 min

Lab File: VD061576.D

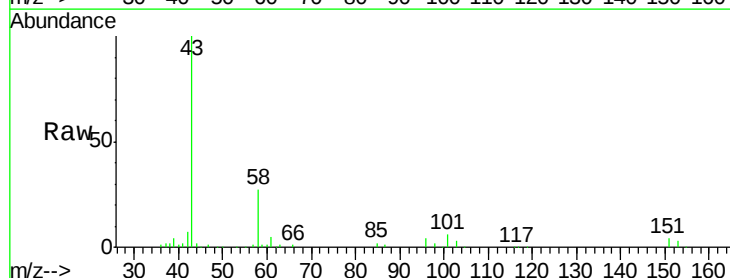
Acq: 4 Apr 2019 13:37

Tgt Ion: 43 Resp: 434589

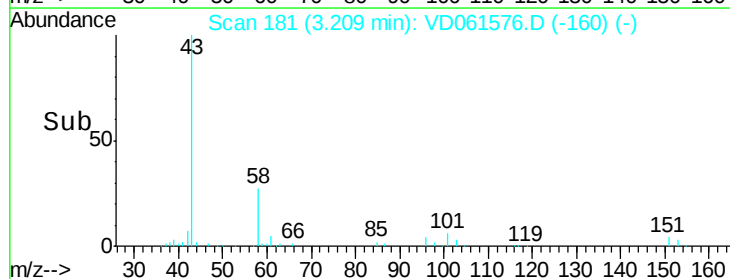
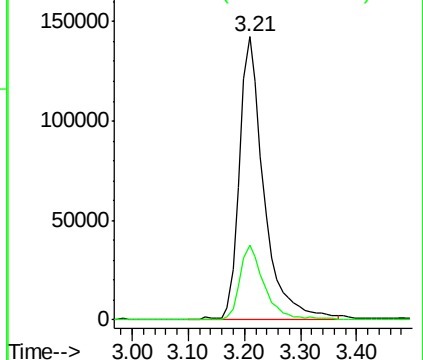
Ion Ratio Lower Upper

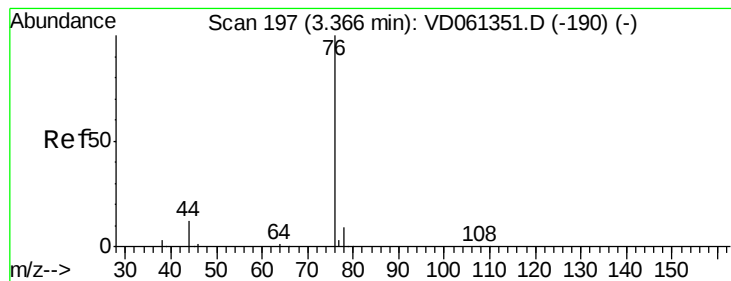
43 100

58 26.6 21.5 32.3



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





#17

Carbon Disulfide

Concen: 41.657 ug/l

RT: 3.37 min Scan# 197

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

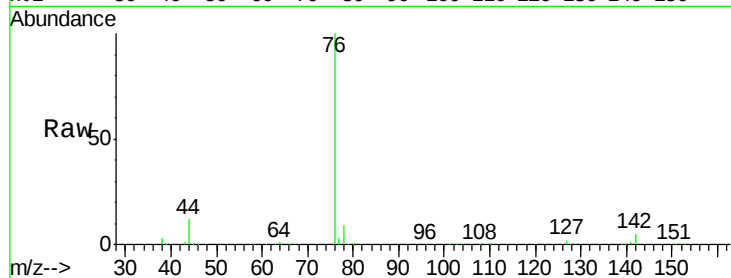
ClientSampleId :

Tot Ion: 76 Resp: 1032295

Ion Ratio Lower Upper

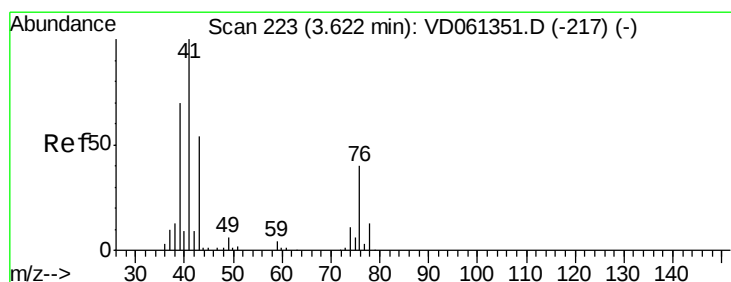
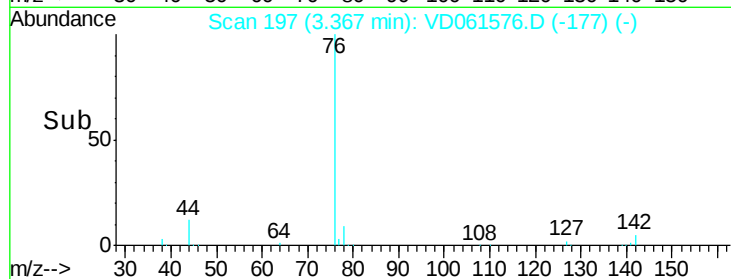
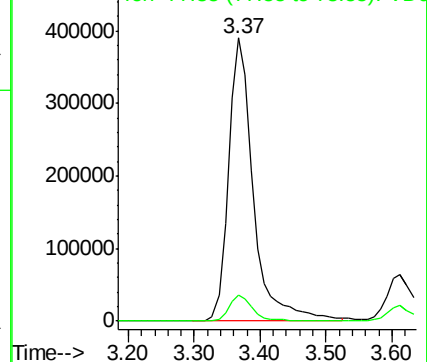
76 100

78 9.3 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 47.449 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.00 min

Lab File: VD061576.D

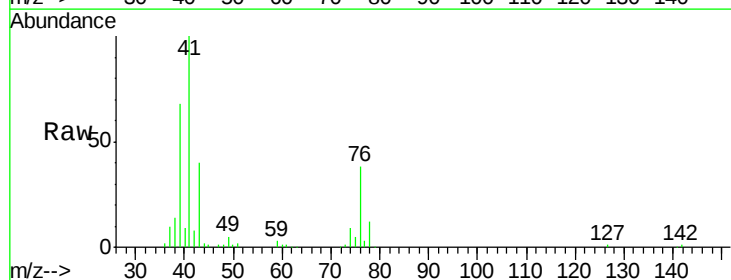
Acq: 4 Apr 2019 13:37

Tgt Ion: 43 Resp: 155673

Ion Ratio Lower Upper

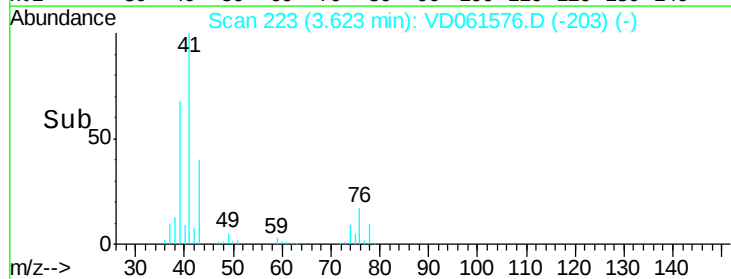
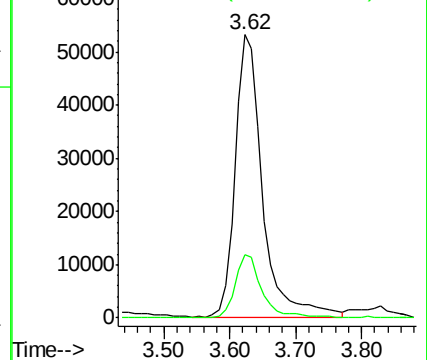
43 100

74 22.4 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

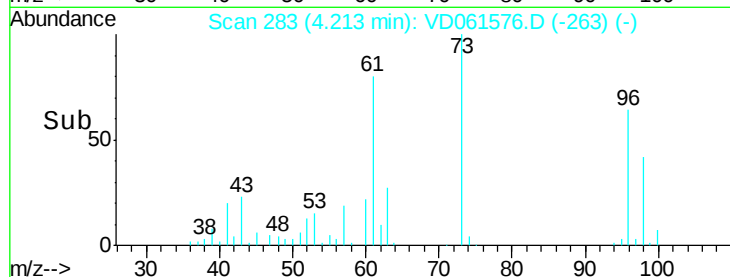
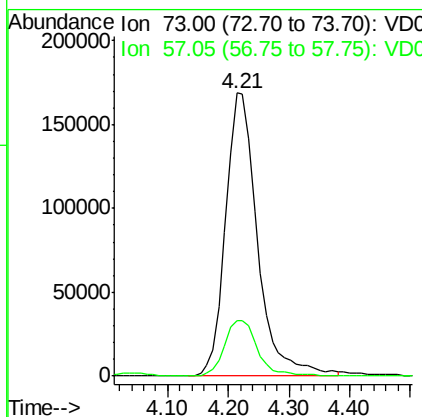
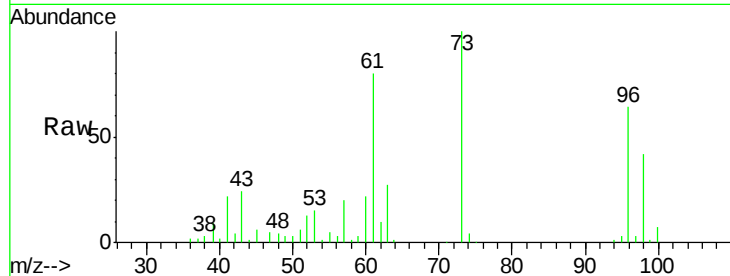




#19
Methyl tert-butyl Ether
Concen: 46.968 ug/l
RT: 4.21 min Scan# 283
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

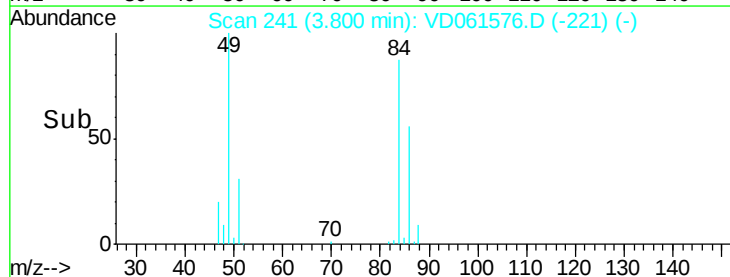
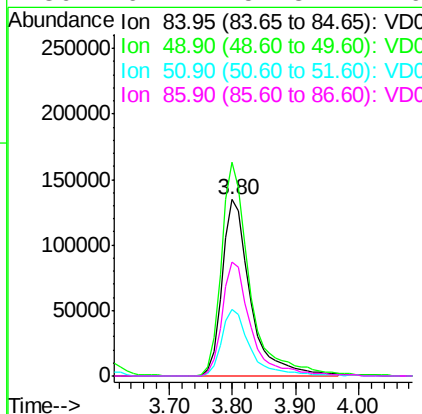
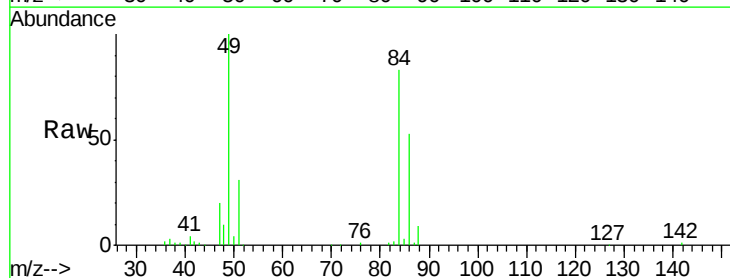
Instrument :
MSVOA_D
ClientSampleId :

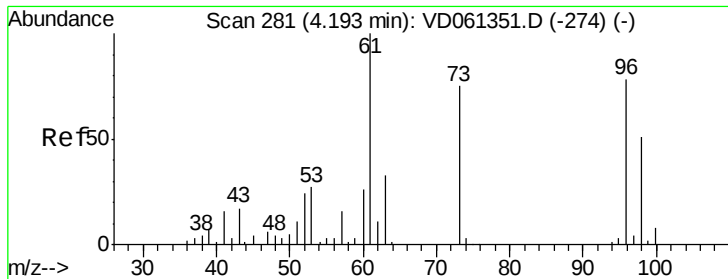
Tot Ion: 73 Resp: 620102
Ion Ratio Lower Upper
73 100
57 19.8 16.4 24.6



#20
Methylene Chloride
Concen: 48.245 ug/l
RT: 3.80 min Scan# 241
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion: 84 Resp: 422320
Ion Ratio Lower Upper
84 100
49 121.0 91.8 137.8
51 38.1 29.8 44.8
86 64.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 45.926 ug/l

RT: 4.20 min Scan# 282

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

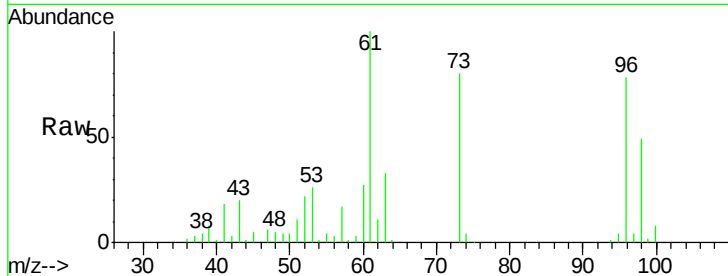
Tot Ion: 96 Resp: 378182

Ion Ratio Lower Upper

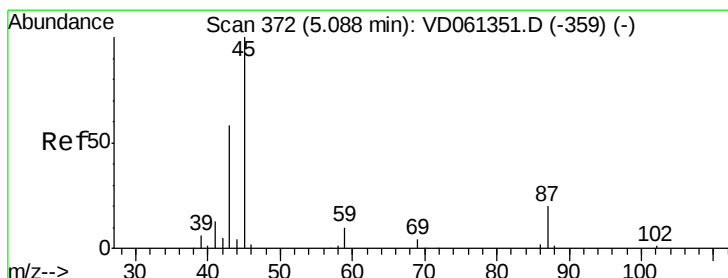
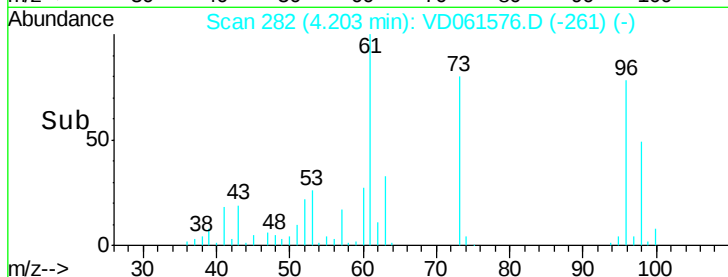
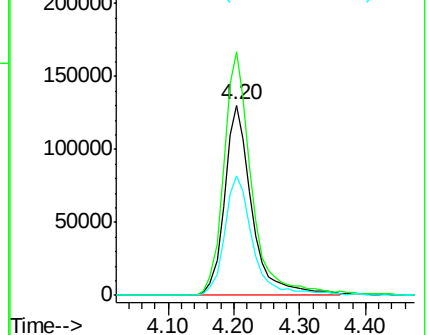
96 100

61 128.0 102.7 154.1

98 62.6 52.2 78.4



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



#22

Diisopropyl ether

Concen: 46.552 ug/l

RT: 5.10 min Scan# 373

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Tgt Ion: 45 Resp: 1047975

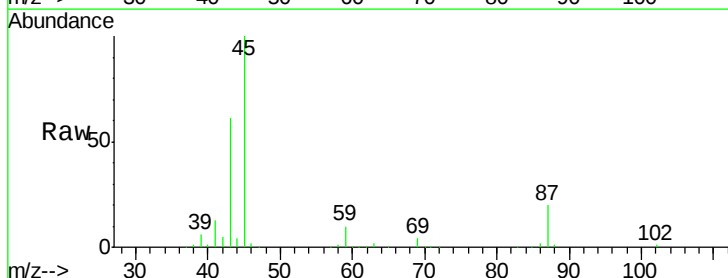
Ion Ratio Lower Upper

45 100

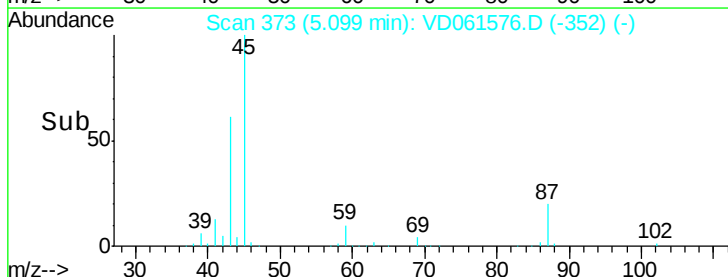
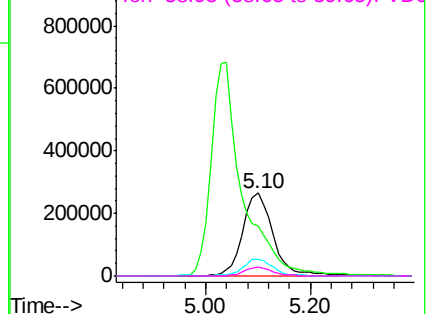
43 60.8 47.4 71.2

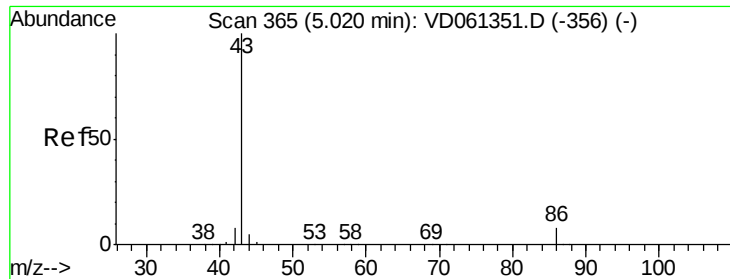
87 19.7 16.3 24.5

59 10.1 8.4 12.6



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





#23

Vinyl Acetate

Concen: 226.982 ug/l

RT: 5.04 min Scan# 367

Delta R.T. 0.02 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

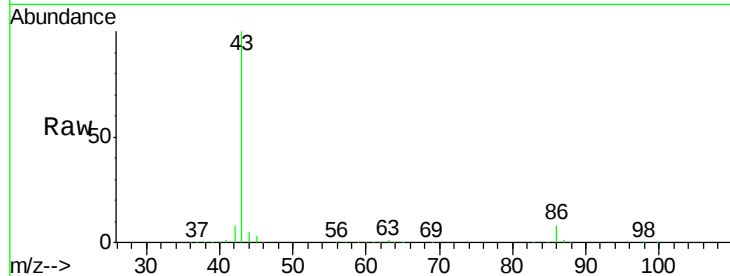
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 2775594

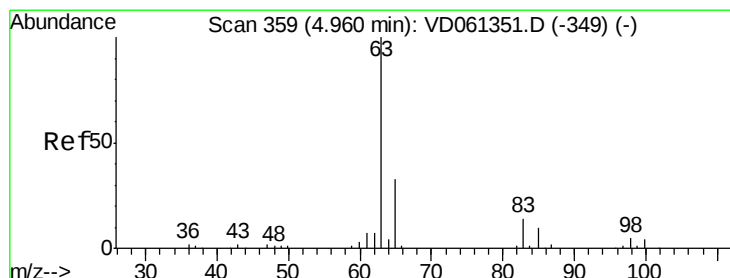
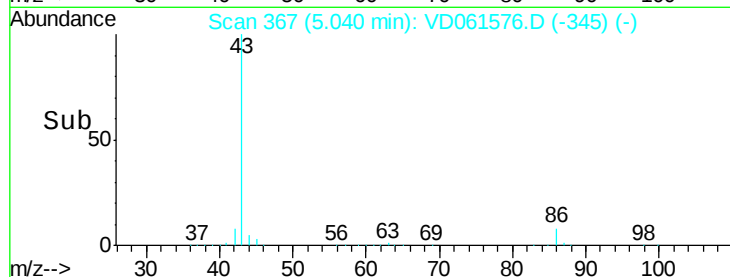
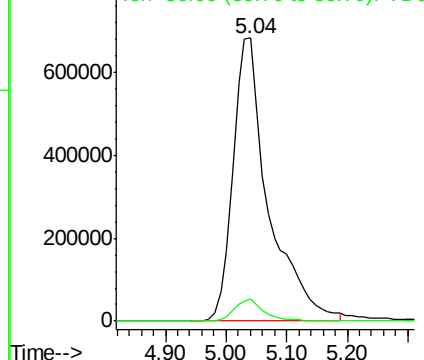
Ion Ratio Lower Upper

43 100

86 8.0 6.7 10.1



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



#24

1,1-Dichloroethane

Concen: 44.782 ug/l

RT: 4.96 min Scan# 359

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

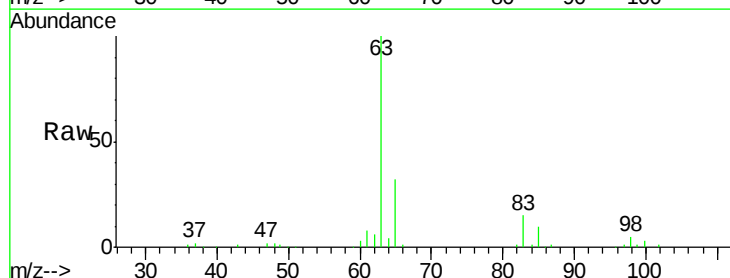
Tgt Ion: 63 Resp: 592469

Ion Ratio Lower Upper

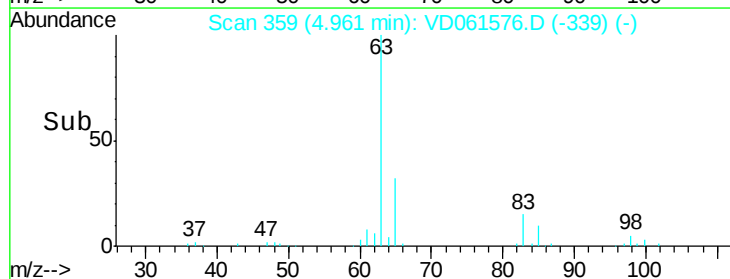
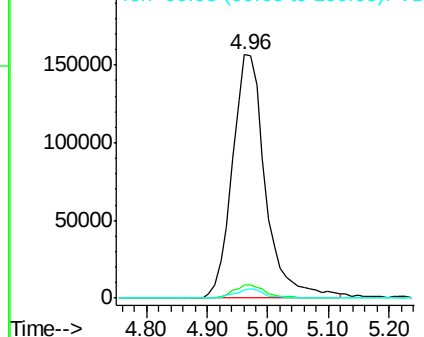
63 100

98 5.4 2.6 8.0

100 3.5 1.8 5.3



Abundance Ion 62.95 (62.65 to 63.65): VDC
Ion 97.95 (97.65 to 98.65): VDC
Ion 99.95 (99.65 to 100.65): VDC

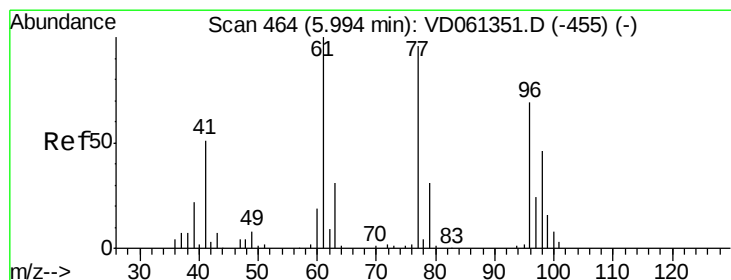
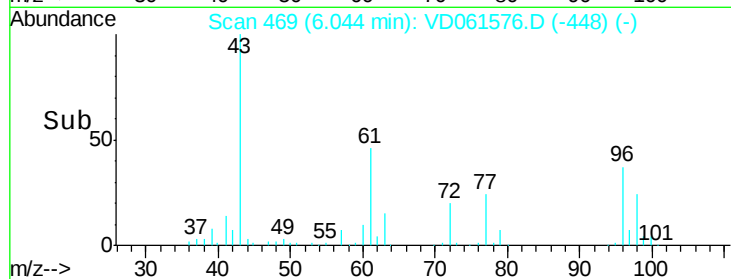
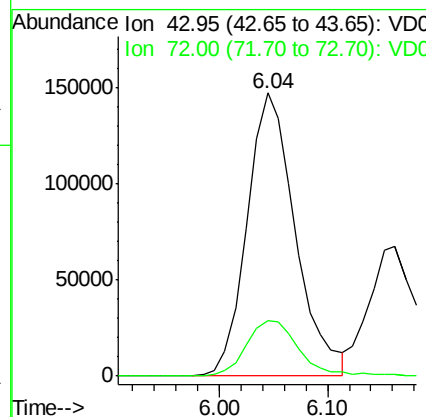
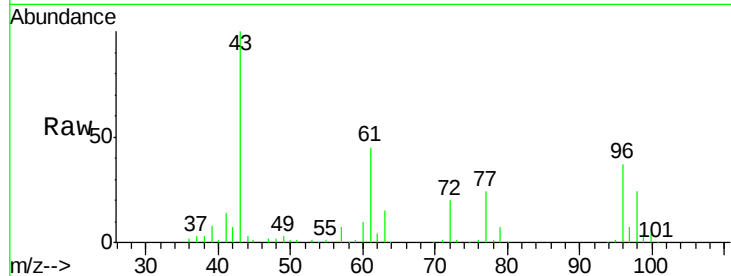




#25
2-Butanone
Concen: 233.541 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.01 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

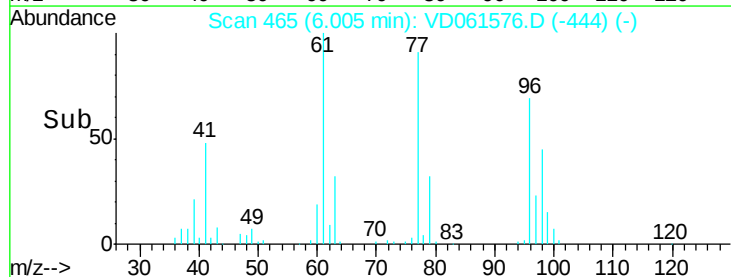
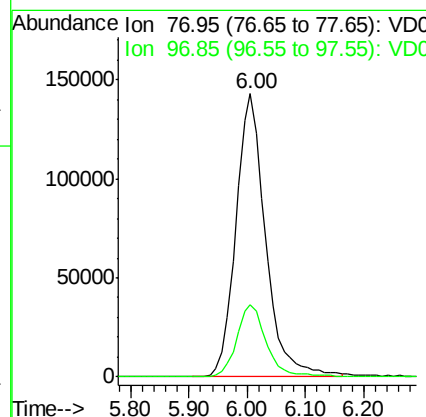
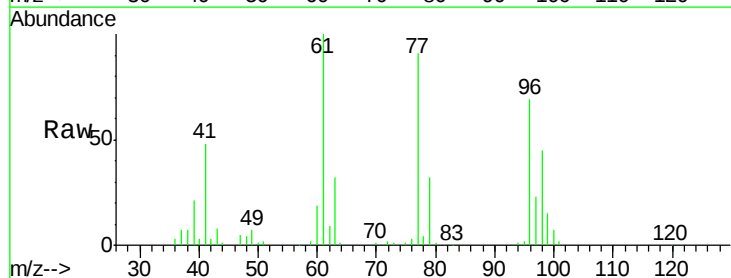
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 458408
Ion Ratio Lower Upper
43 100
72 19.8 17.2 25.8



#26
2,2-Dichloropropane
Concen: 48.086 ug/l
RT: 6.00 min Scan# 465
Delta R.T. 0.01 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion: 77 Resp: 505723
Ion Ratio Lower Upper
77 100
97 25.6 12.7 38.0



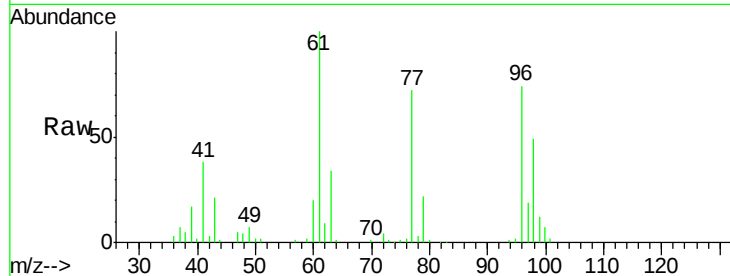


#27

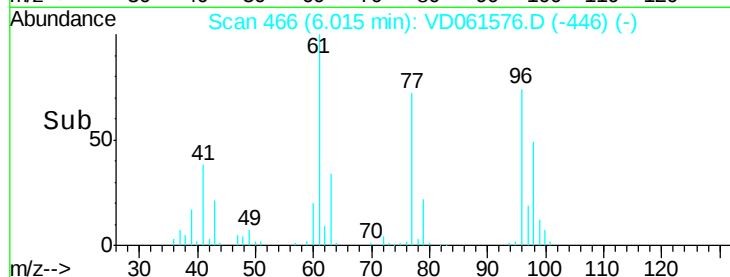
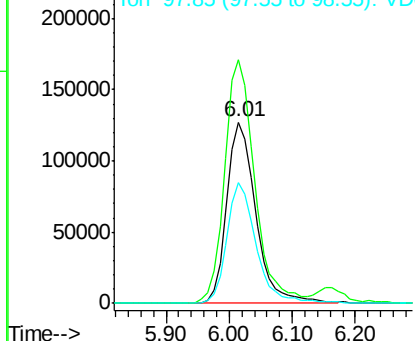
cis-1,2-Dichloroethene
Concen: 45.149 ug/l
RT: 6.01 min Scan# 466
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 407331
Ion Ratio Lower Upper
96 100
61 134.6 0.0 251.6
98 66.5 0.0 129.2



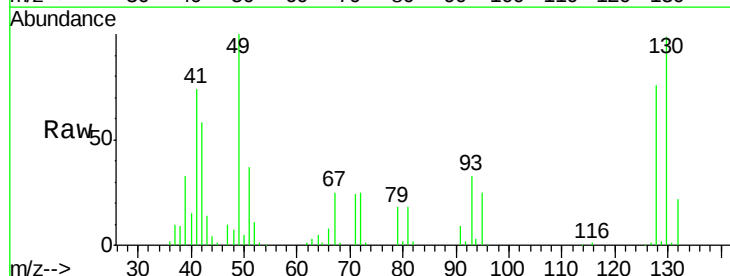
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



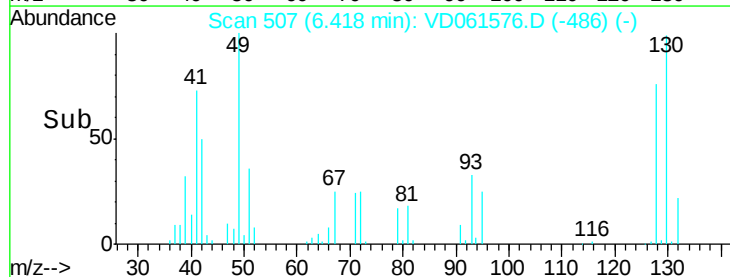
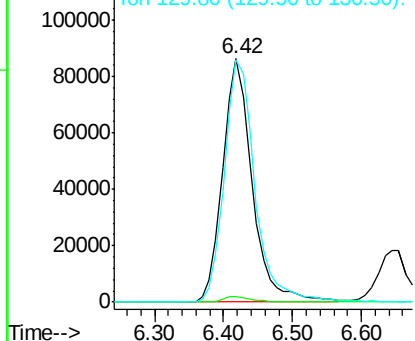
#28

Bromochloromethane
Concen: 48.130 ug/l
RT: 6.42 min Scan# 507
Delta R.T. 0.01 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion: 49 Resp: 257038
Ion Ratio Lower Upper
49 100
129 2.4 0.0 0.0#
130 99.4 78.4 117.6



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

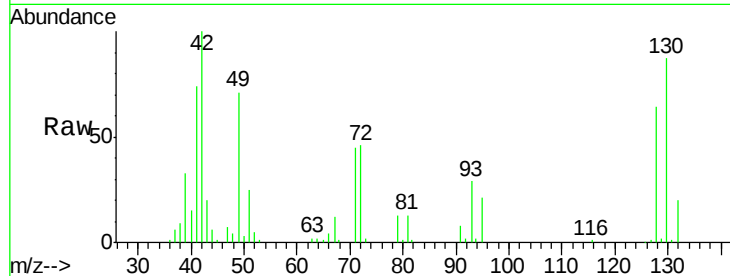




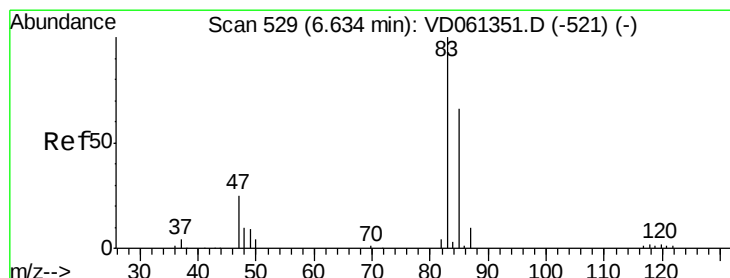
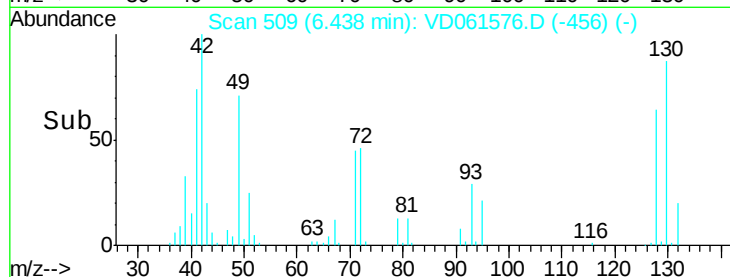
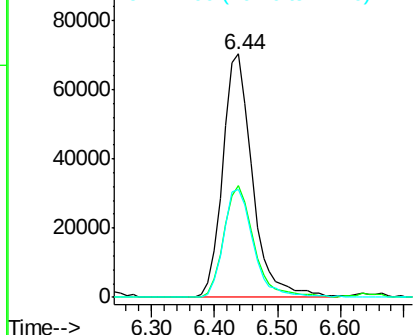
#29
Tetrahydrofuran
Concen: 241.500 ug/l
RT: 6.44 min Scan# 509
Delta R.T. 0.02 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 229760
Ion Ratio Lower Upper
42 100
72 46.3 37.4 56.0
71 44.6 36.7 55.1

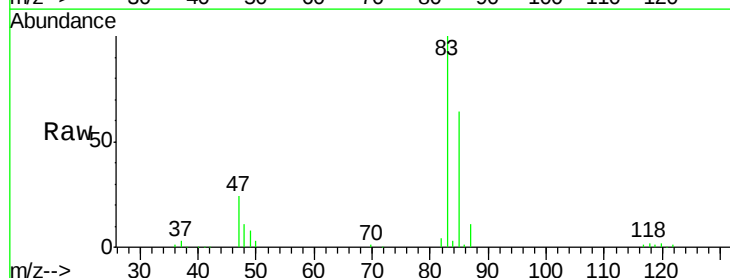


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

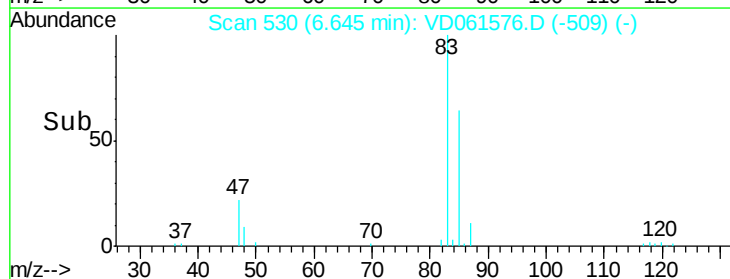
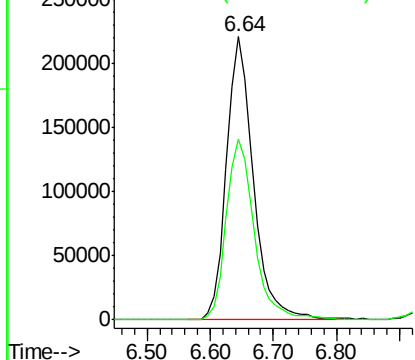


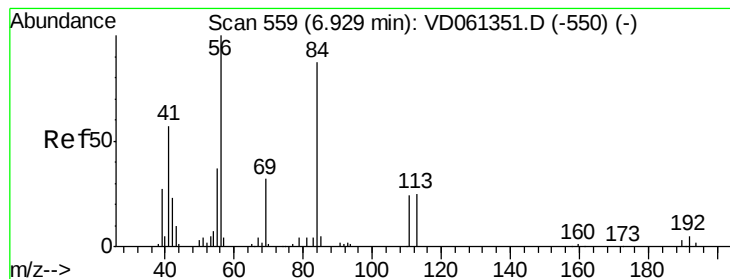
#30
Chloroform
Concen: 47.859 ug/l
RT: 6.64 min Scan# 530
Delta R.T. 0.01 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion: 83 Resp: 654236
Ion Ratio Lower Upper
83 100
85 64.0 53.0 79.4



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





#31

Cyclohexane

Concen: 44.156 ug/l

RT: 6.93 min Scan# 559

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampled :

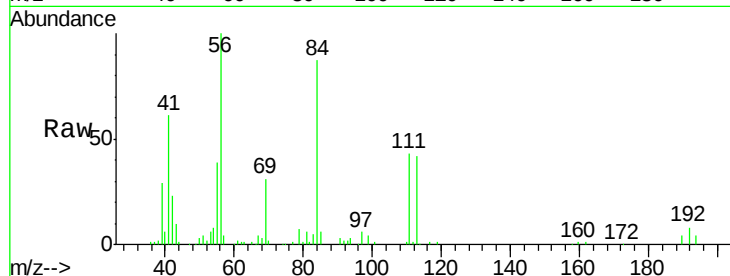
Tot Ion: 56 Resp: 461641

Ion Ratio Lower Upper

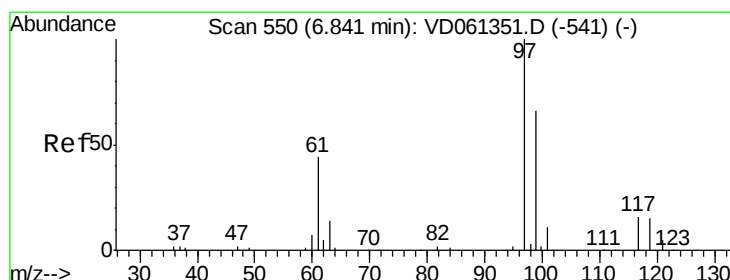
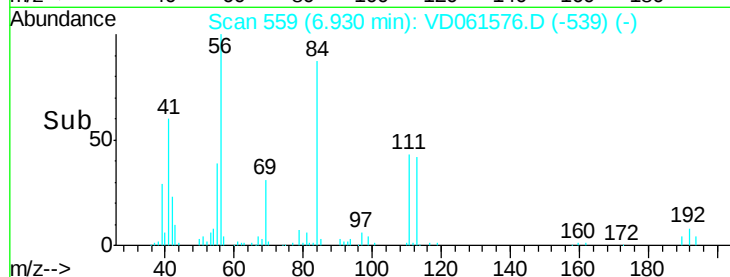
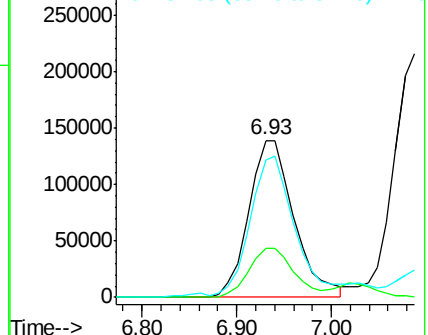
56 100

69 31.1 25.7 38.5

84 87.3 70.6 105.8



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



#32

1,1,1-Trichloroethane

Concen: 46.353 ug/l

RT: 6.85 min Scan# 551

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

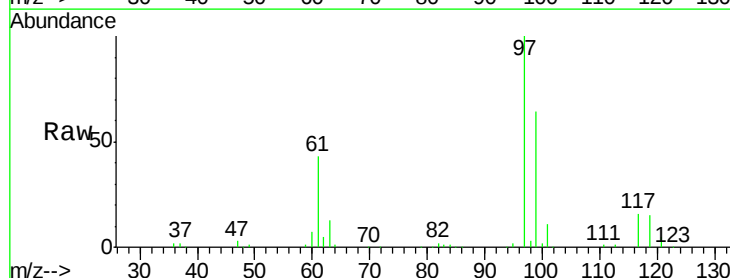
Tgt Ion: 97 Resp: 559021

Ion Ratio Lower Upper

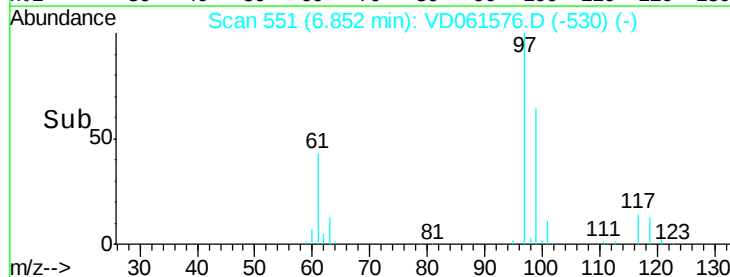
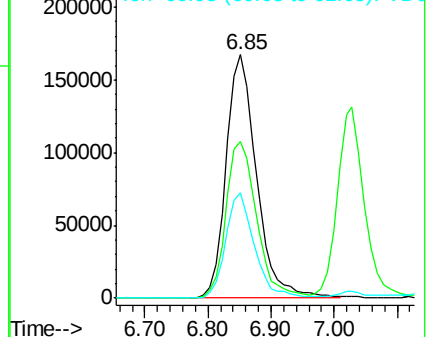
97 100

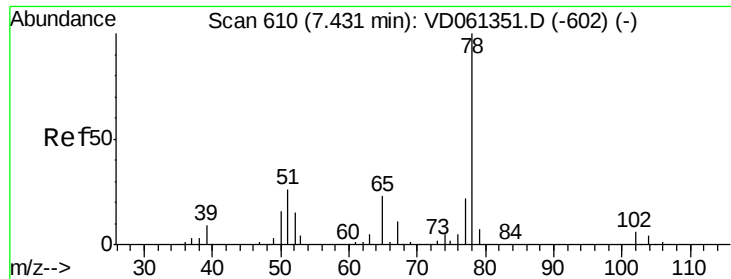
99 64.3 53.1 79.7

61 43.1 35.5 53.3



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

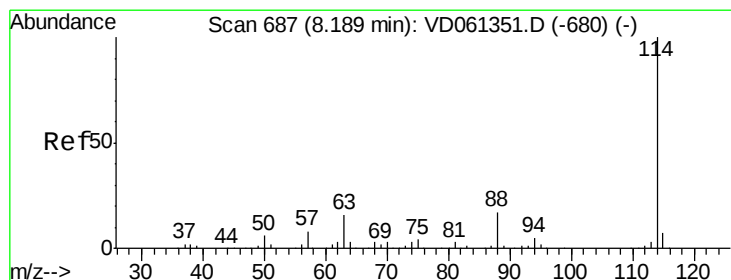
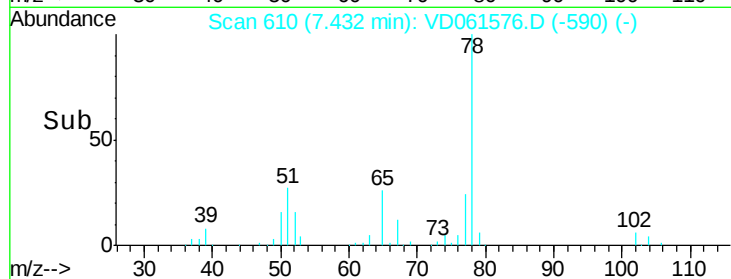
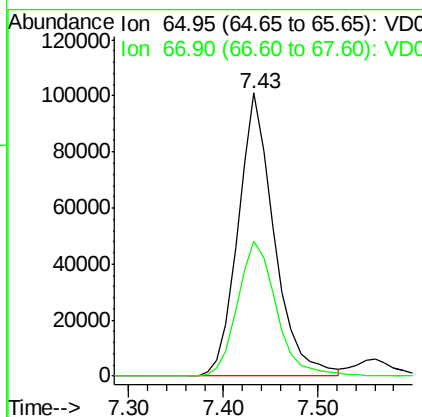
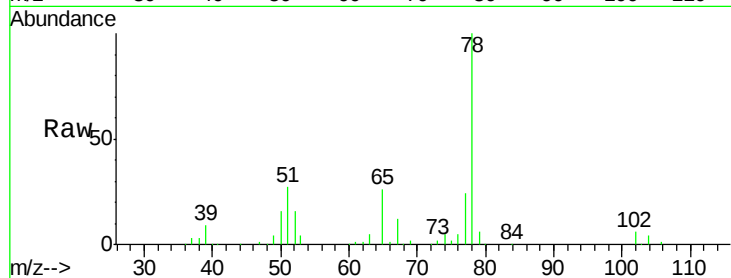




#33
 1,2-Dichloroethane-d4
 Concen: 46.353 ug/l
 RT: 7.43 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

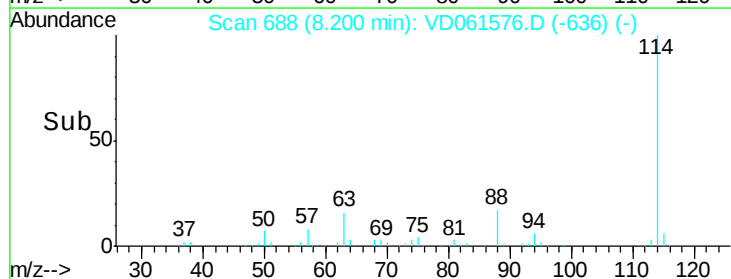
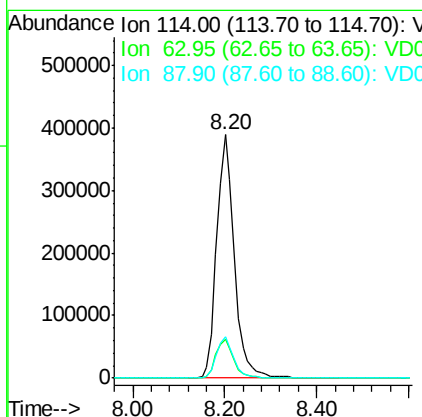
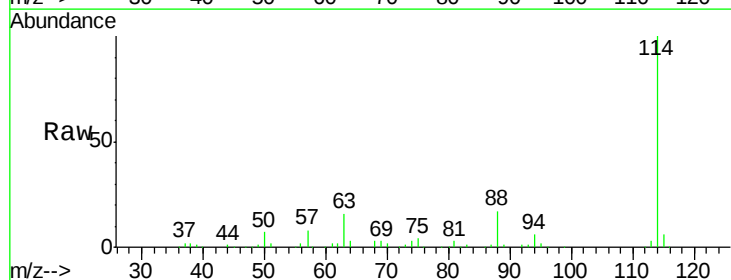
Instrument :
 MSVOA_D
 ClientSampleId :

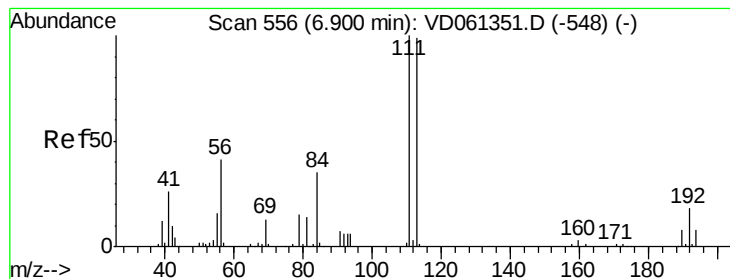
Tot Ion: 65 Resp: 266783
 Ion Ratio Lower Upper
 65 100
 67 47.8 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 688
 Delta R.T. 0.01 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Tgt Ion: 114 Resp: 1023684
 Ion Ratio Lower Upper
 114 100
 63 15.7 0.0 31.6
 88 16.7 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.90 min Scan# 556

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

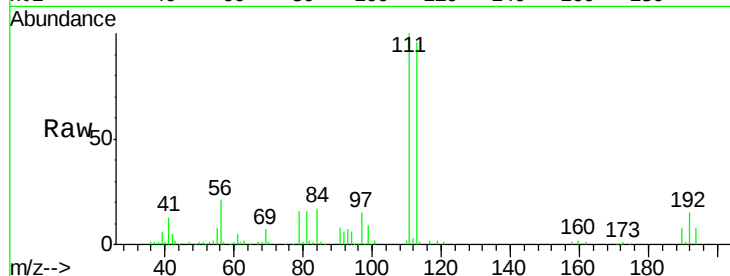
Tot Ion:113 Resp: 422982

Ion Ratio Lower Upper

113 100

111 104.4 81.0 121.6

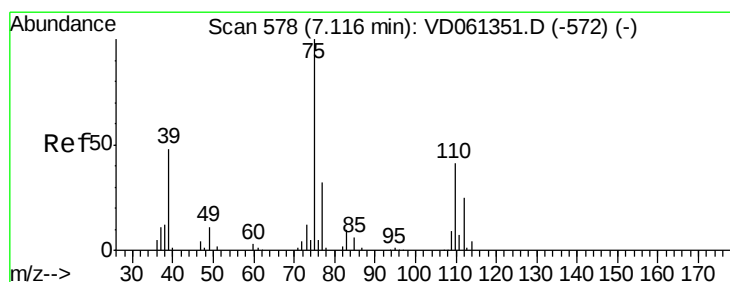
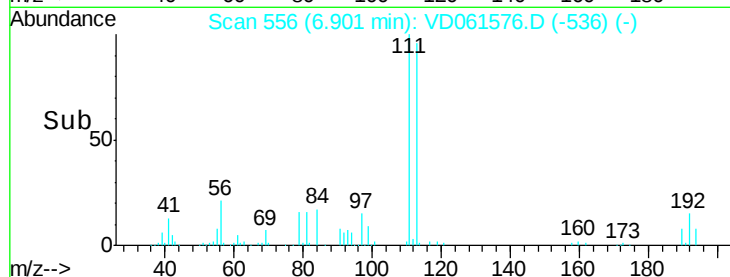
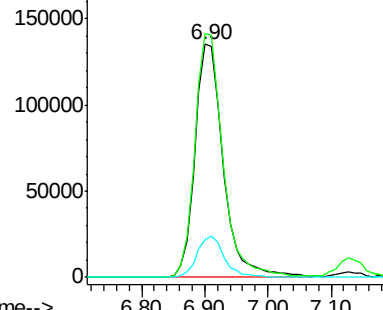
192 16.0 14.4 21.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 50.871 ug/l

RT: 7.13 min Scan# 579

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

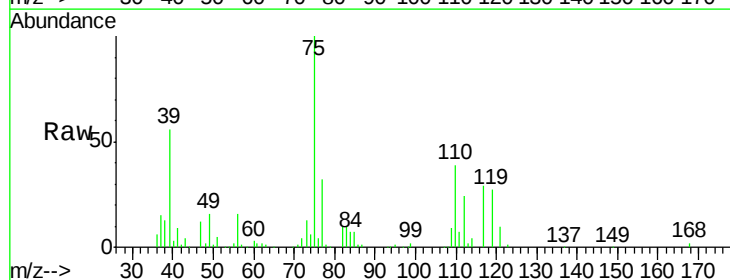
Tgt Ion: 75 Resp: 454502

Ion Ratio Lower Upper

75 100

110 39.4 20.4 61.3

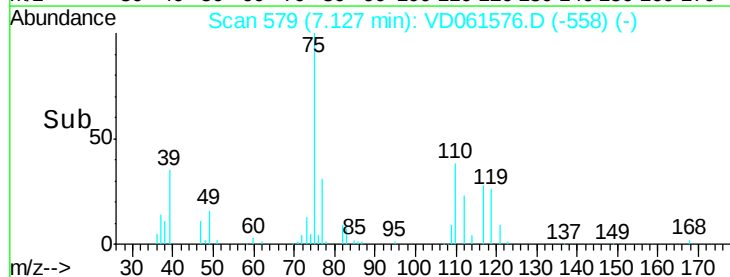
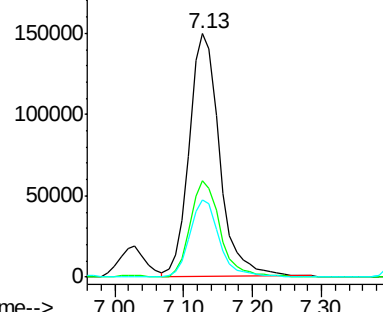
77 31.7 24.9 37.3

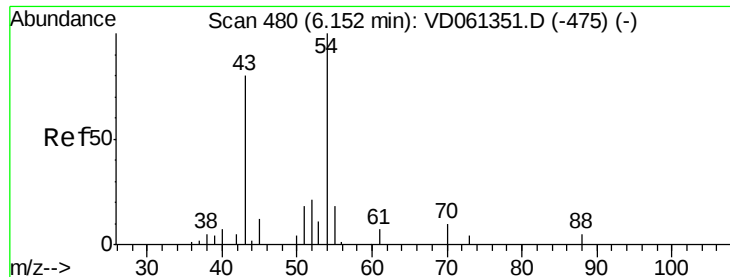


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

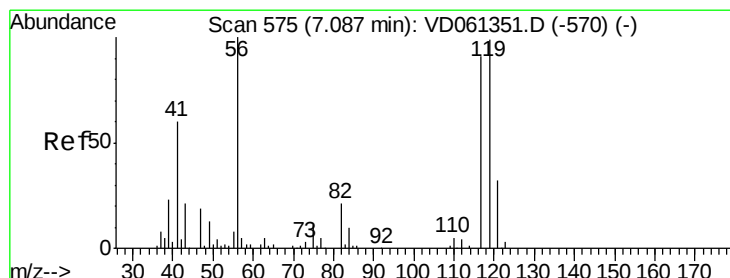
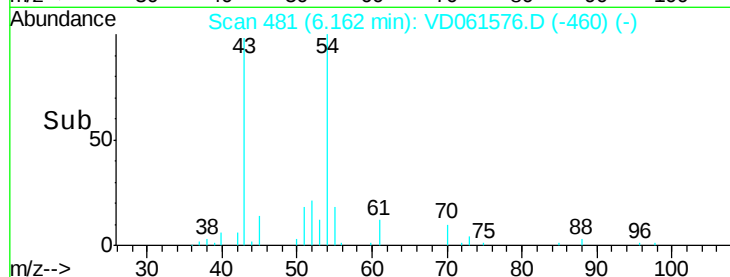
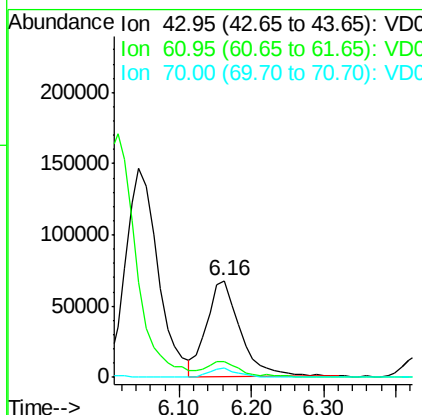
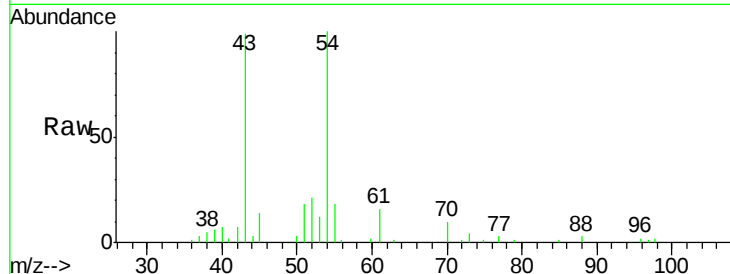




#37
Ethyl Acetate
Concen: 56.874 ug/l
RT: 6.16 min Scan# 481
Delta R.T. 0.01 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

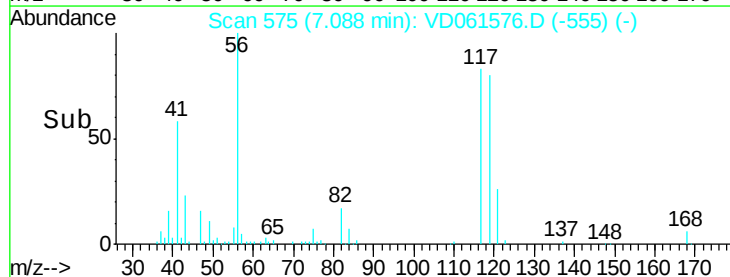
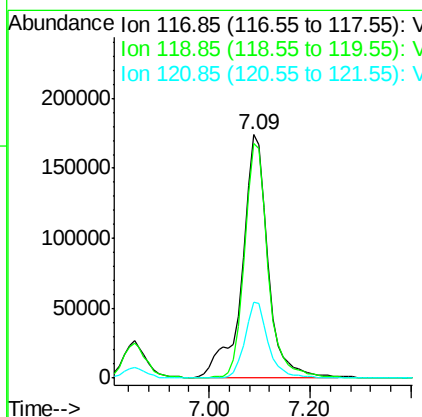
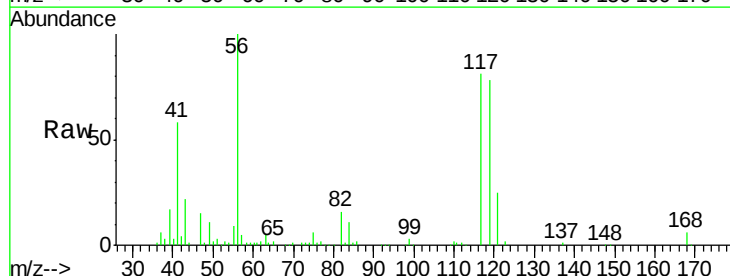
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 217320
Ion Ratio Lower Upper
43 100
61 16.5 13.8 20.8
70 10.0 7.8 11.8



#38
Carbon Tetrachloride
Concen: 60.177 ug/l
RT: 7.09 min Scan# 575
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion: 117 Resp: 617814
Ion Ratio Lower Upper
117 100
119 96.4 80.1 120.1
121 31.3 25.6 38.4





#39

Methvlcvclohexane

Concen: 51.621 ug/l

RT: 8.84 min Scan# 753

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

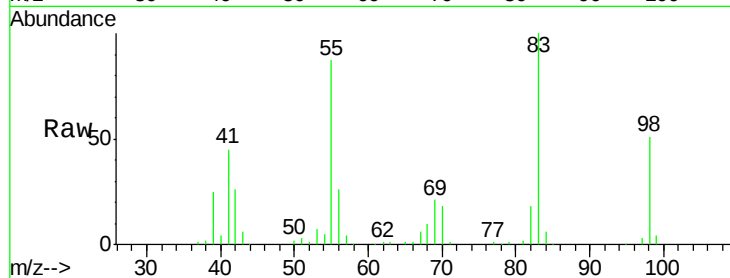
Tot Ion: 83 Resp: 480343

Ion Ratio Lower Upper

83 100

55 87.3 71.5 107.3

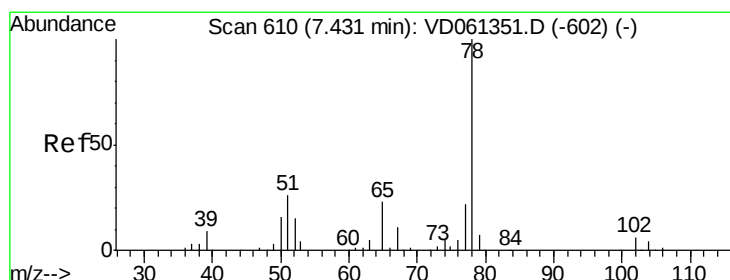
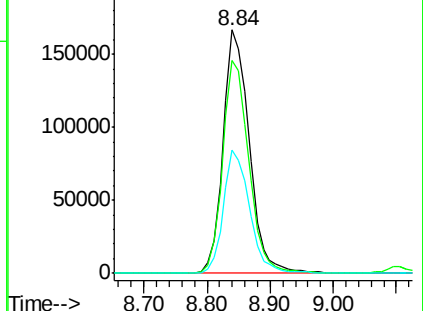
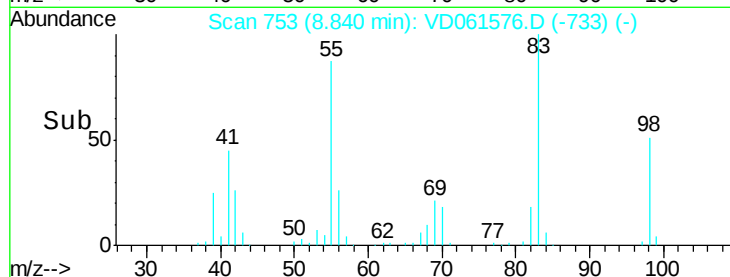
98 50.6 40.3 60.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 51.523 ug/l

RT: 7.43 min Scan# 610

Delta R.T. 0.00 min

Lab File: VD061576.D

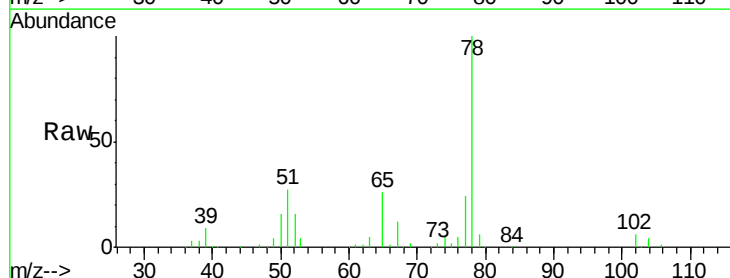
Acq: 4 Apr 2019 13:37

Tgt Ion: 78 Resp: 1155309

Ion Ratio Lower Upper

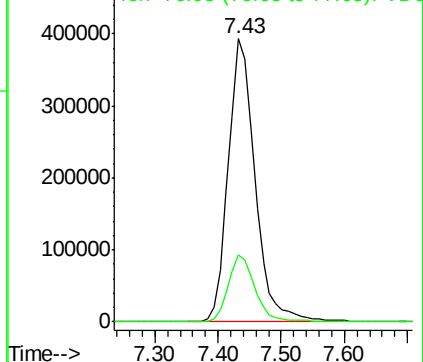
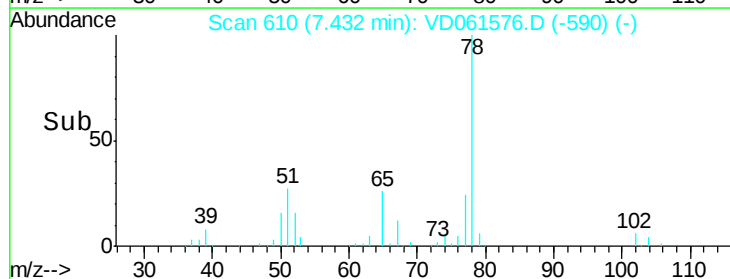
78 100

77 23.7 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

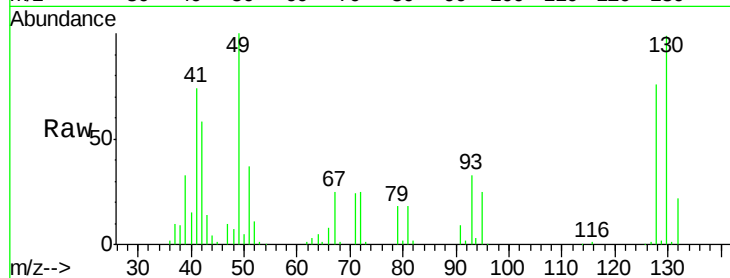




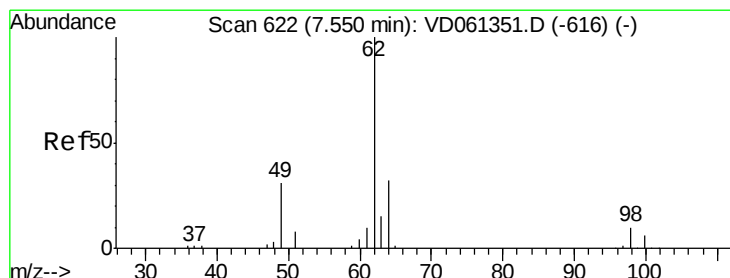
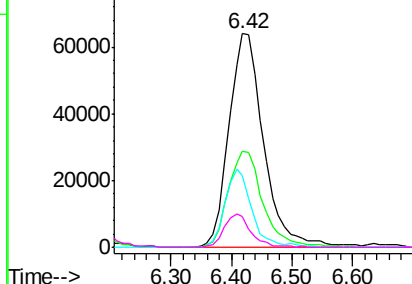
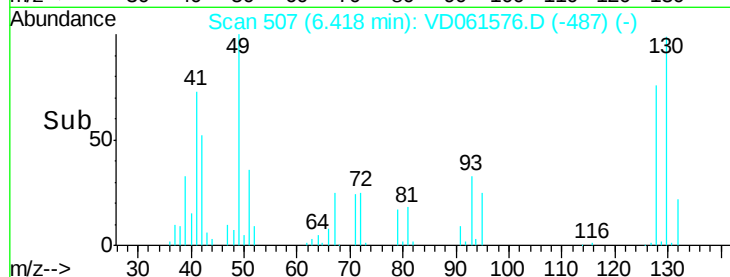
#41
Methacrylonitrile
Concen: 56.713 ug/l
RT: 6.42 min Scan# 507
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 253377
Ion Ratio Lower Upper
41 100
39 45.2 35.0 52.6
67 33.6 21.0 31.6#
52 14.3 7.7 11.5#

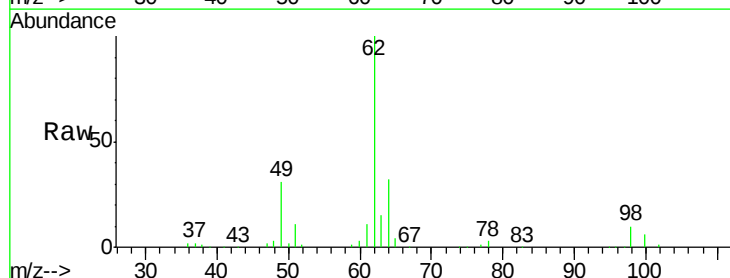


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

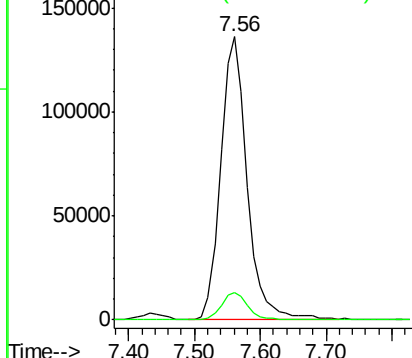
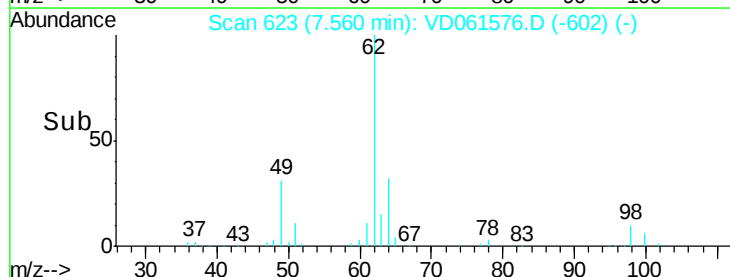


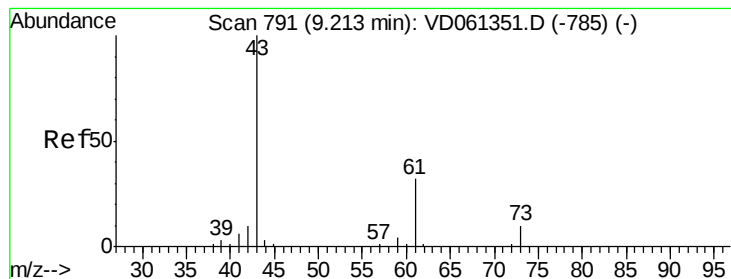
#42
1,2-Dichloroethane
Concen: 56.716 ug/l
RT: 7.56 min Scan# 623
Delta R.T. 0.01 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion: 62 Resp: 380413
Ion Ratio Lower Upper
62 100
98 9.6 0.0 19.8



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



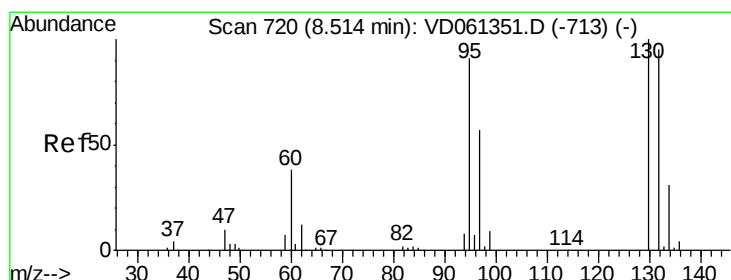
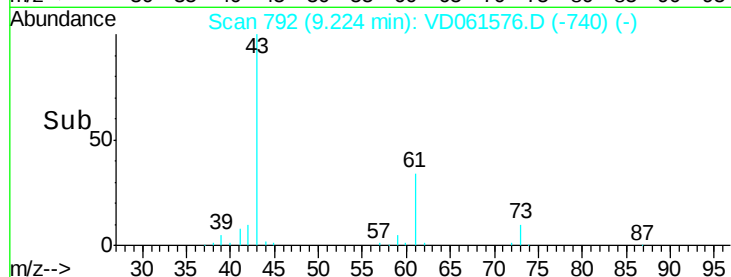
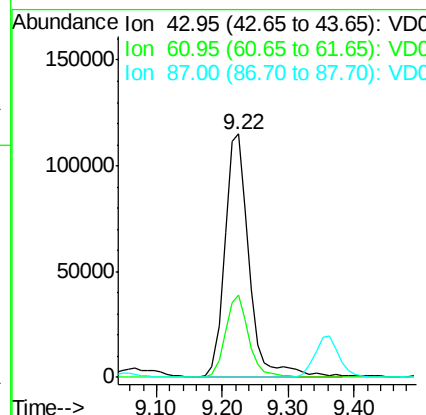
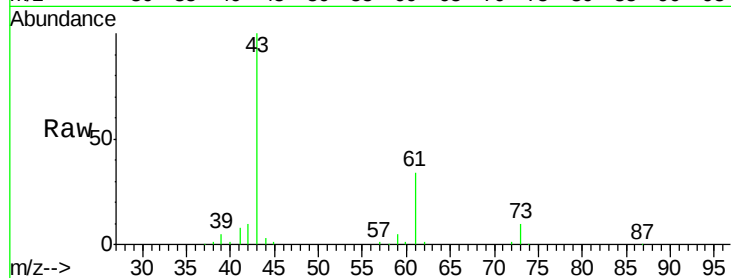


#43

Isopropyl Acetate
 Concen: 53.393 ug/l
 RT: 9.22 min Scan# 792
 Delta R.T. 0.01 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleID :

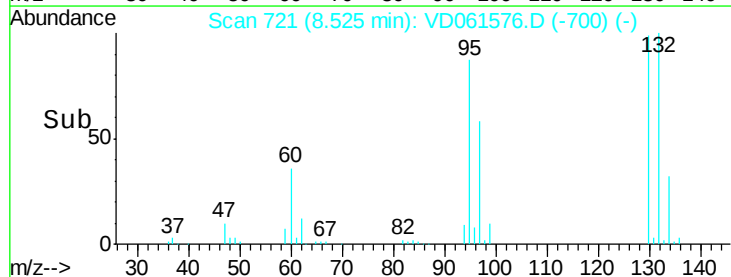
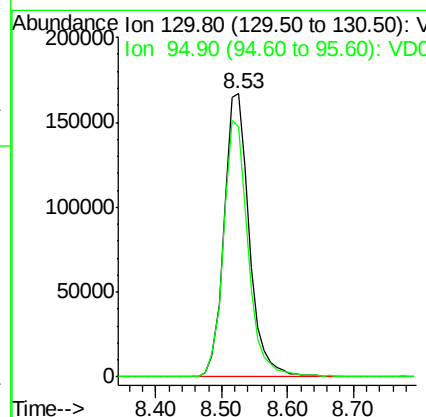
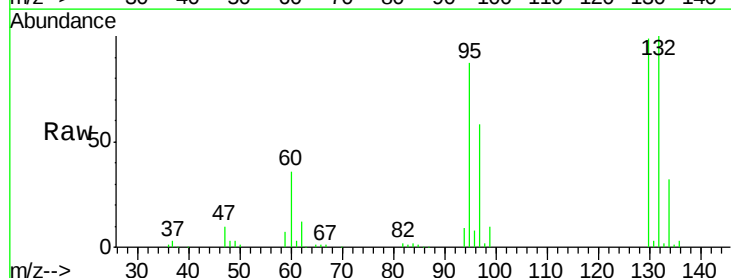
Tot Ion: 43 Resp: 296842
 Ion Ratio Lower Upper
 43 100
 61 33.7 25.8 38.6
 87 0.3 0.0 0.0#

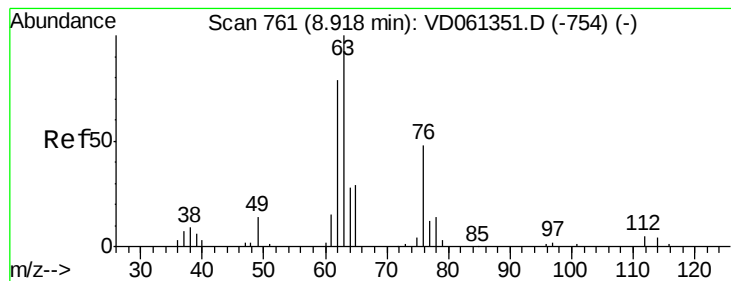


#44

Trichloroethene
 Concen: 53.624 ug/l
 RT: 8.53 min Scan# 721
 Delta R.T. 0.01 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Tgt Ion:130 Resp: 447472
 Ion Ratio Lower Upper
 130 100
 95 88.4 0.0 181.4





#45

1,2-Dichloropropane

Concen: 53.098 ug/l

RT: 8.92 min Scan# 761

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

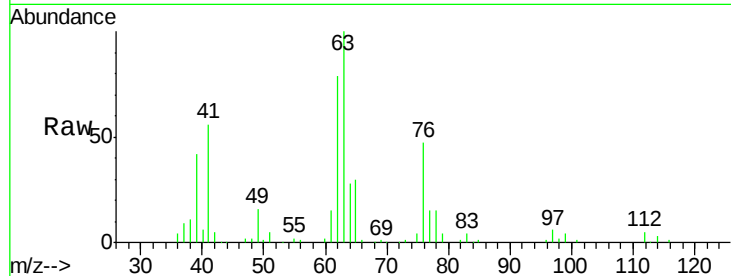
ClientSampleId :

Tot Ion: 63 Resp: 301905

Ion Ratio Lower Upper

63 100

65 29.8 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.92

120000

100000

80000

60000

40000

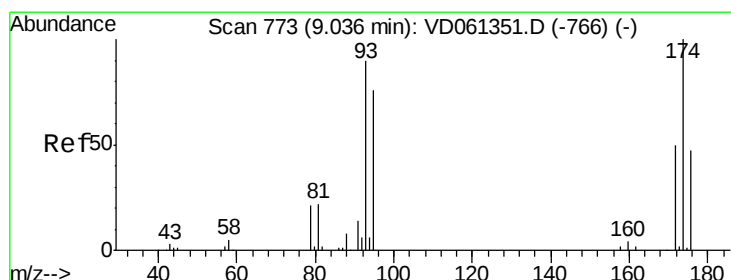
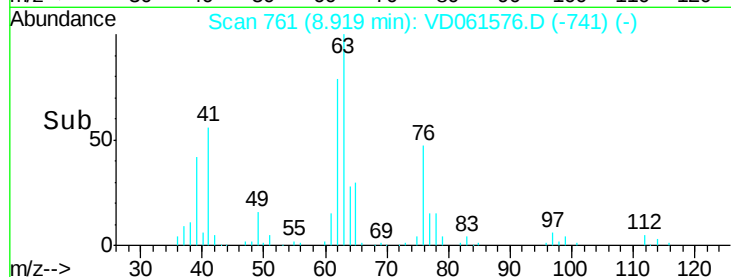
20000

0

8.80

9.00

Time-->



#46

Dibromomethane

Concen: 56.886 ug/l

RT: 9.05 min Scan# 774

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

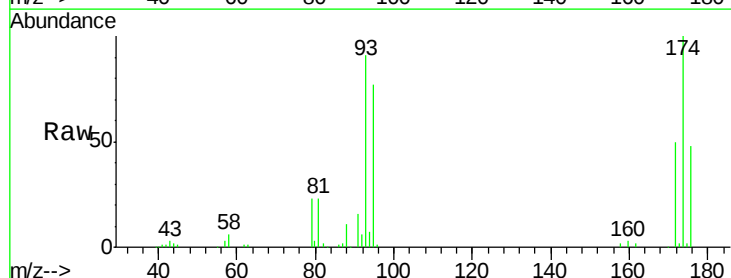
Tgt Ion: 93 Resp: 217701

Ion Ratio Lower Upper

93 100

95 84.8 67.4 101.0

174 109.4 88.9 133.3



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

9.05

120000

100000

80000

60000

40000

20000

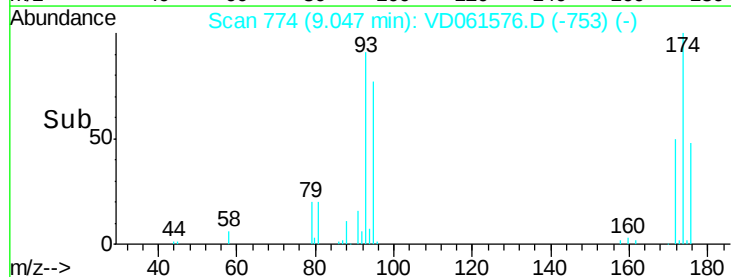
0

8.90

9.10

9.20

Time-->





#47

Bromodichloromethane

Concen: 55.918 ug/l

RT: 9.36 min Scan# 806

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampled :

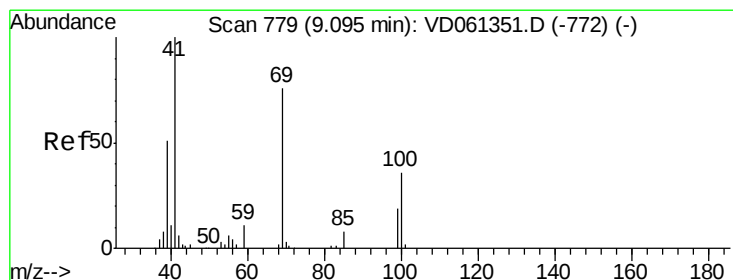
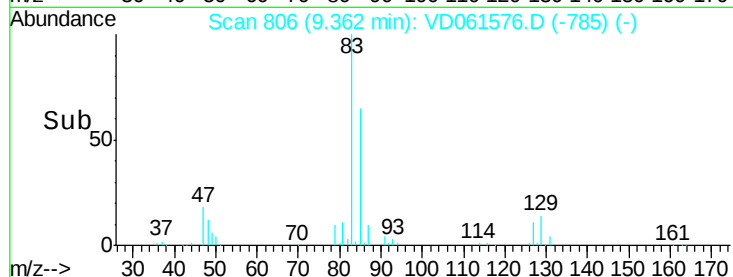
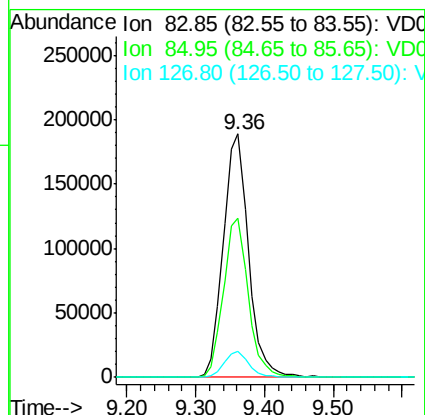
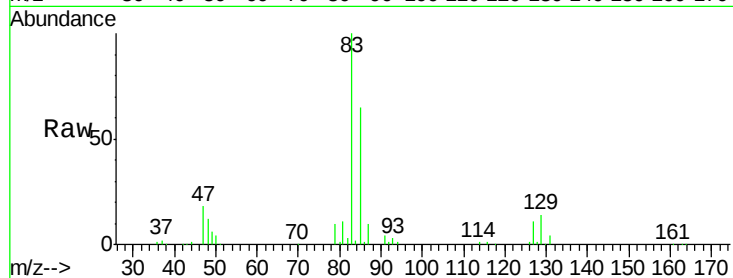
Tot Ion: 83 Resp: 480308

Ion Ratio Lower Upper

83 100

85 65.4 53.0 79.4

127 10.8 8.4 12.6



#48

Methyl methacrylate

Concen: 58.033 ug/l

RT: 9.10 min Scan# 779

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

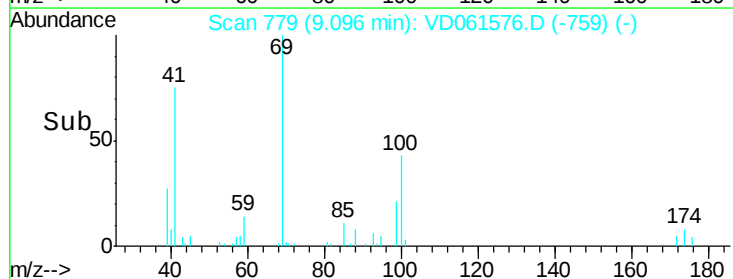
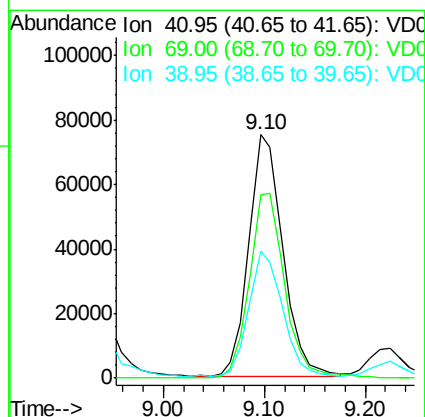
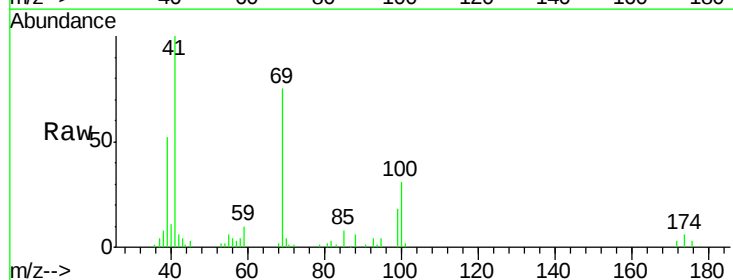
Tgt Ion: 41 Resp: 178061

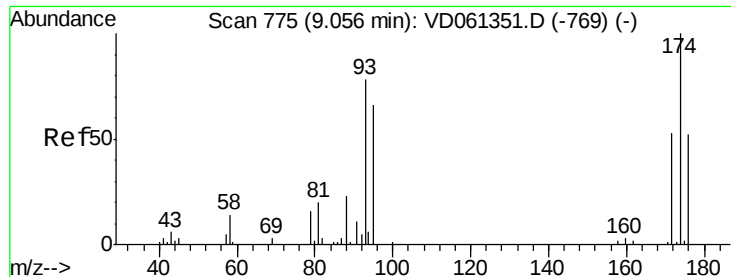
Ion Ratio Lower Upper

41 100

69 75.4 60.2 90.4

39 52.2 41.4 62.2

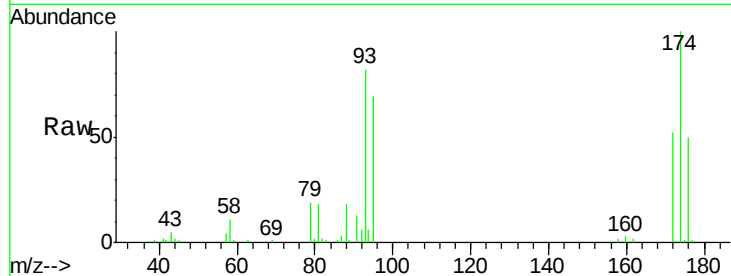




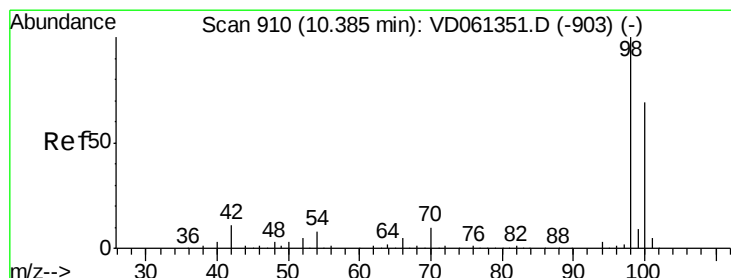
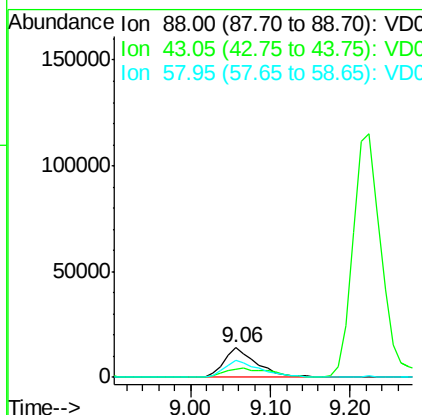
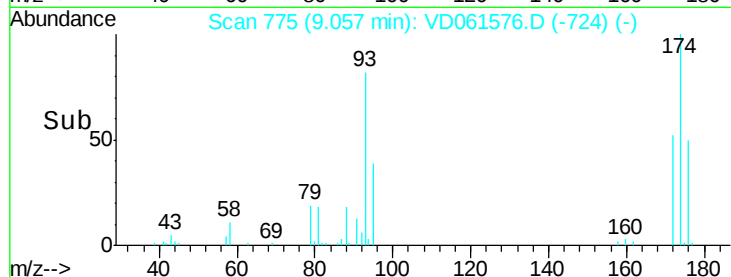
#49
1,4-Dioxane
Concen: 1190.158 ug/l
RT: 9.06 min Scan# 775
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 88 Resp: 40278
Ion Ratio Lower Upper
88 100
43 26.3 23.3 34.9
58 58.4 50.8 76.2

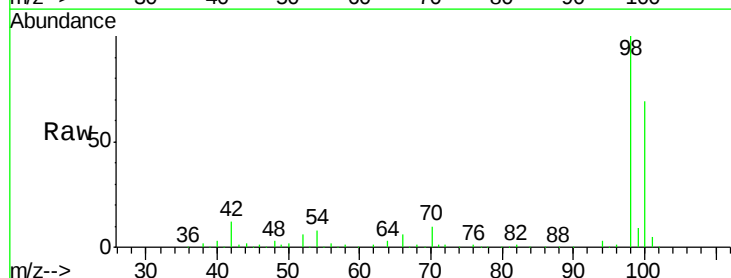


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

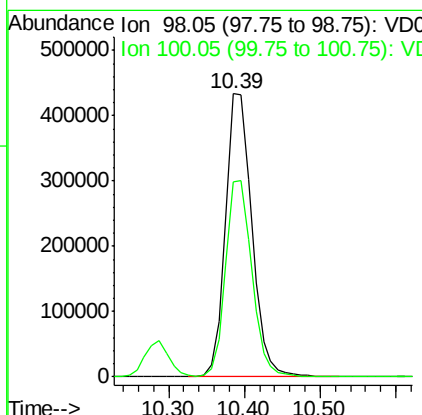
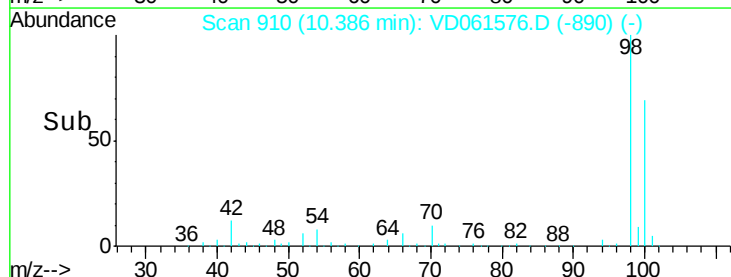


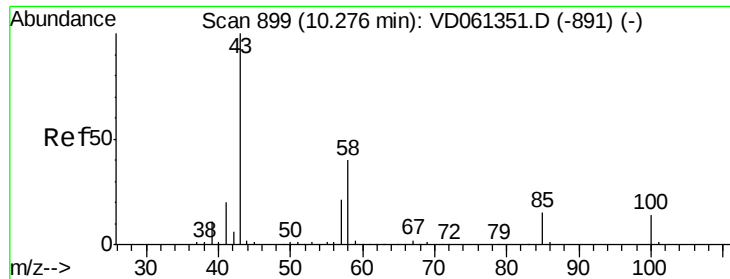
#50
Toluene-d8
Concen: 1190.158 ug/l
RT: 10.39 min Scan# 910
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion: 98 Resp: 1043572
Ion Ratio Lower Upper
98 100
100 69.1 56.2 84.2



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: 286.741 ug/l

RT: 10.28 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

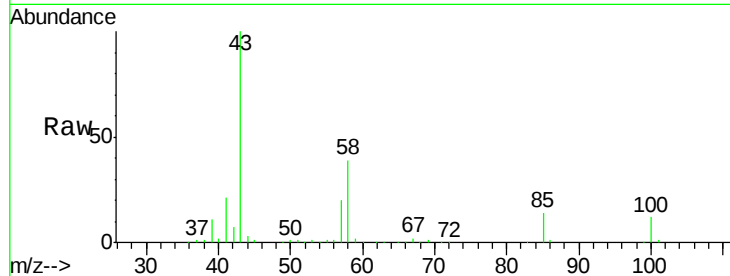
ClientSampled :

Tot Ion: 43 Resp: 969870

Ion Ratio Lower Upper

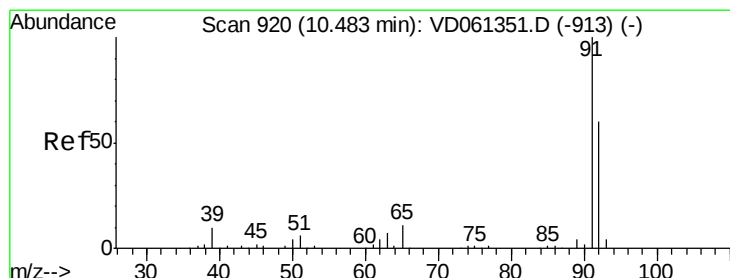
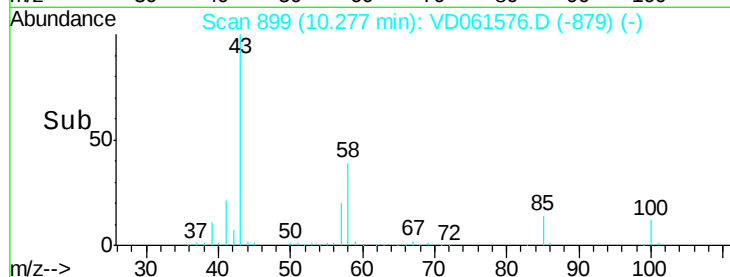
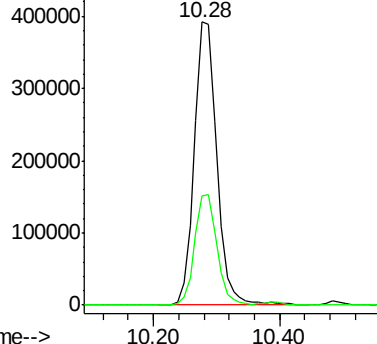
43 100

58 38.7 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 53.302 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.01 min

Lab File: VD061576.D

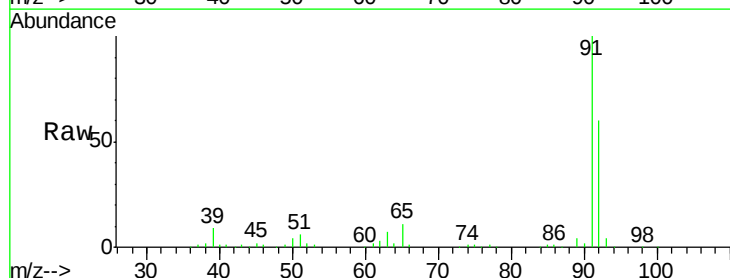
Acq: 4 Apr 2019 13:37

Tgt Ion: 92 Resp: 729157

Ion Ratio Lower Upper

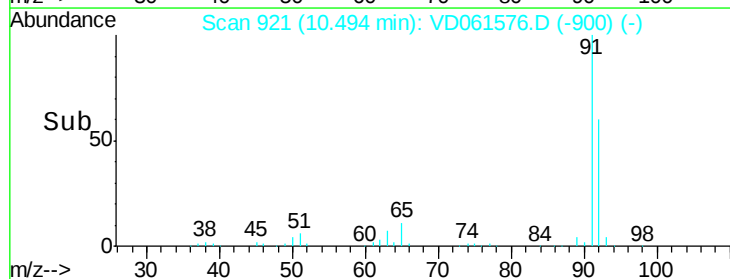
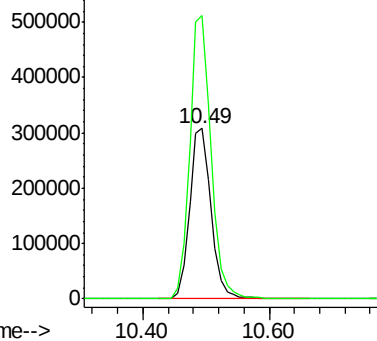
92 100

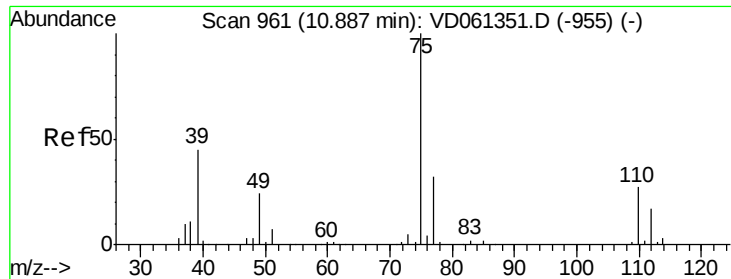
91 165.9 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 55.690 ug/l

RT: 10.90 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

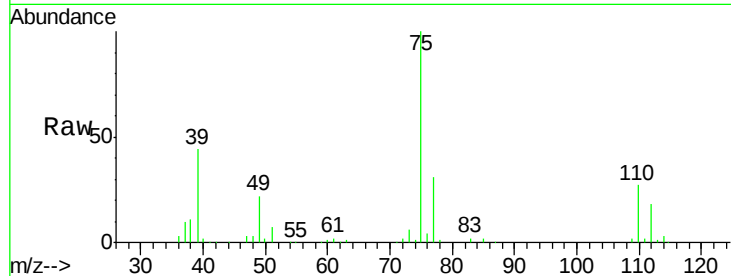
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 75 Resp: 434604

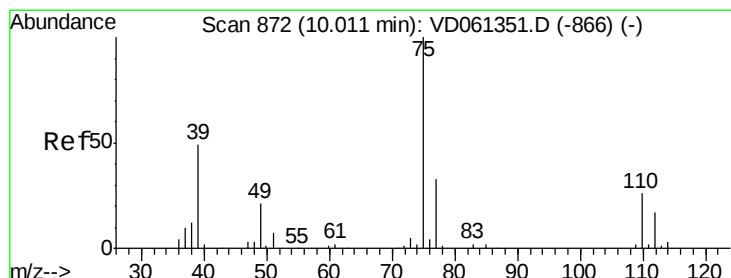
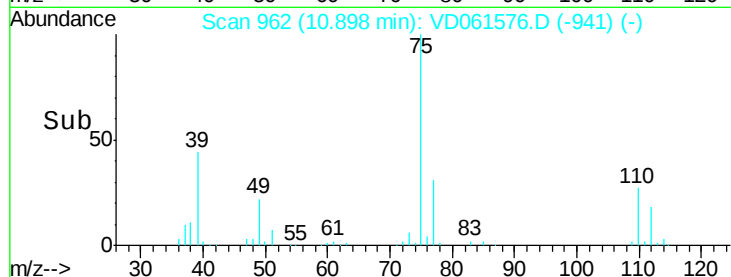
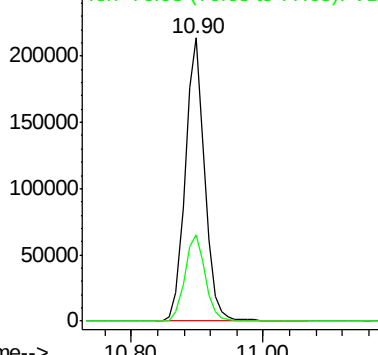
Ion Ratio Lower Upper

75 100

77 30.6 25.4 38.2



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: 55.223 ug/l

RT: 10.02 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

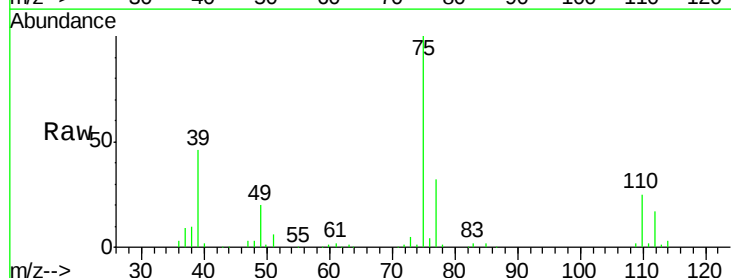
Tgt Ion: 75 Resp: 524766

Ion Ratio Lower Upper

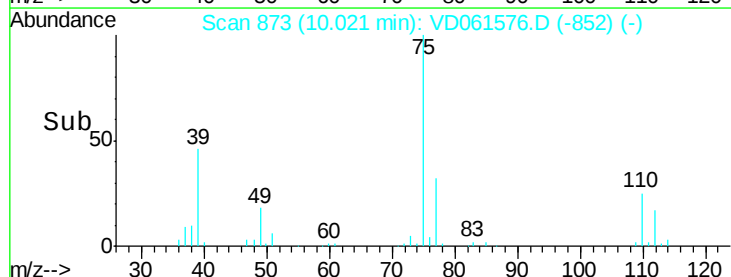
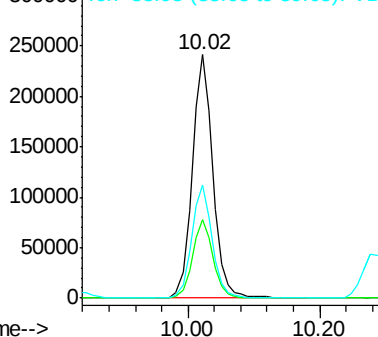
75 100

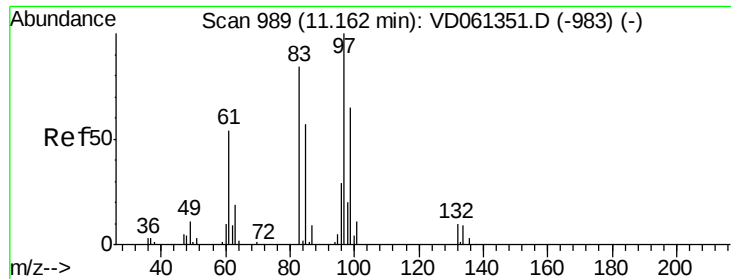
77 32.0 26.2 39.4

39 46.4 39.4 59.0



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



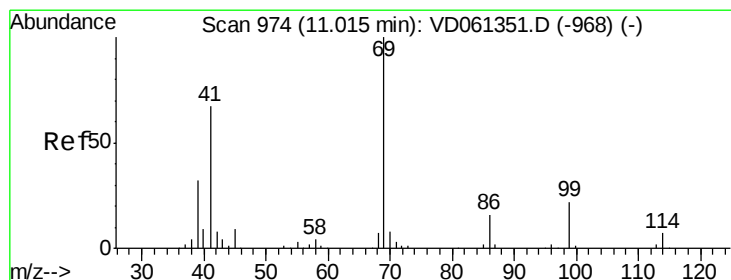
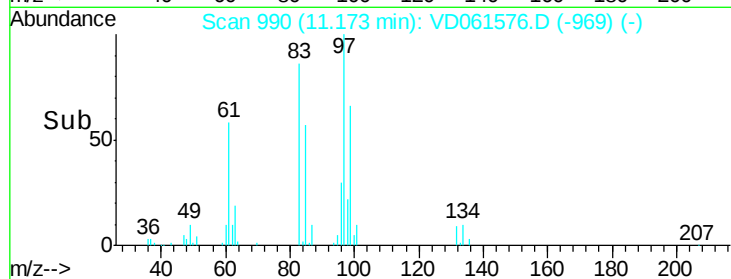
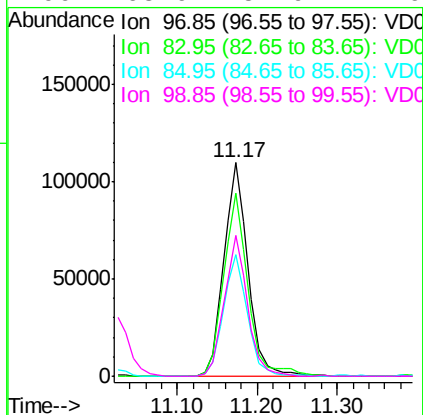
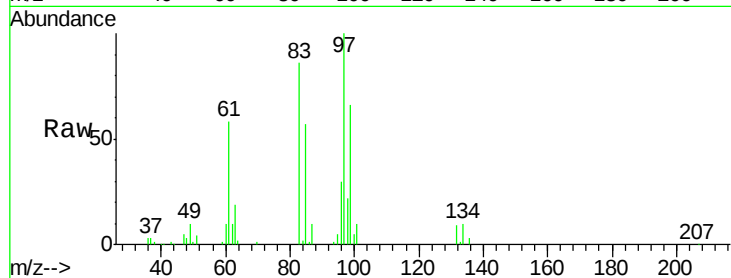


#55
 1,1,2-Trichloroethane
 Concen: 48.992 ug/l
 RT: 11.17 min Scan# 990
 Delta R.T. 0.01 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 234382

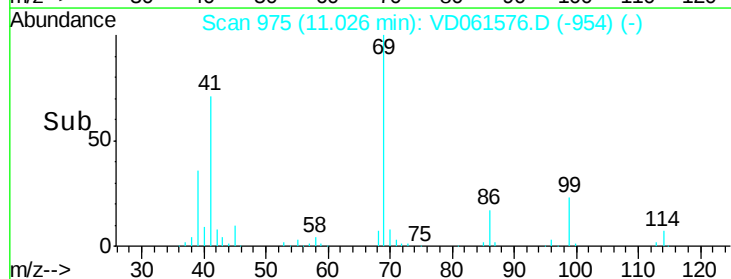
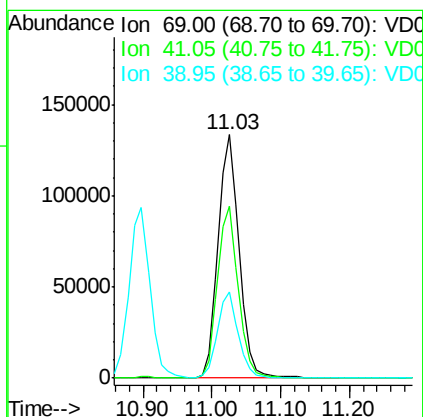
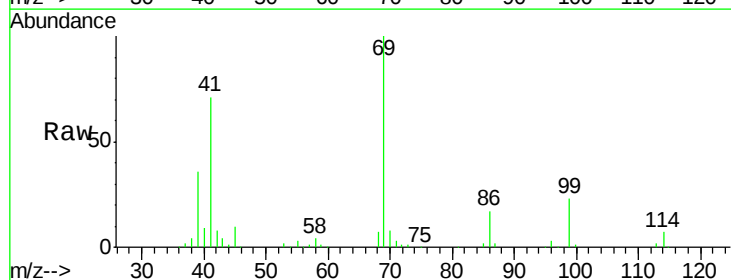
Ion	Ratio	Lower	Upper
97	100		
83	85.7	67.0	100.6
85	57.0	45.4	68.2
99	65.9	51.9	77.9

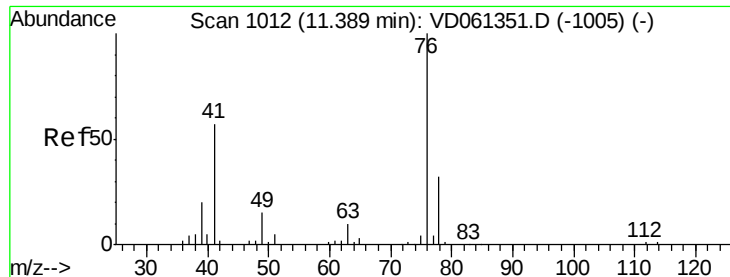


#56
 Ethyl methacrylate
 Concen: 54.750 ug/l
 RT: 11.03 min Scan# 975
 Delta R.T. 0.01 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Tgt Ion: 69 Resp: 281383

Ion	Ratio	Lower	Upper
69	100		
41	70.8	53.8	80.6
39	35.5	26.4	39.6

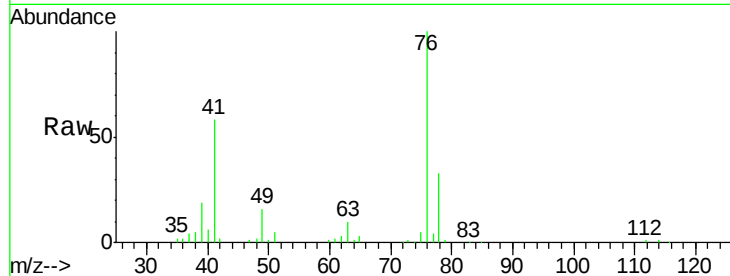




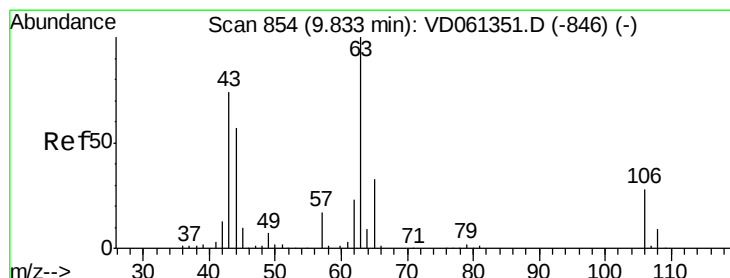
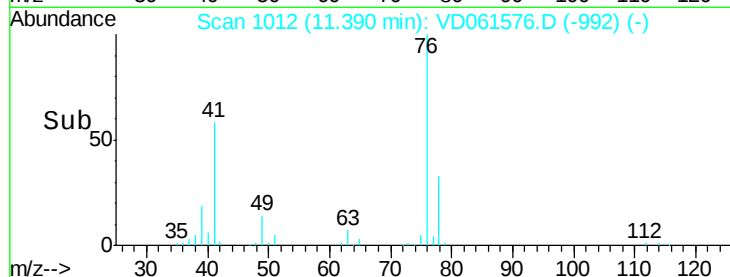
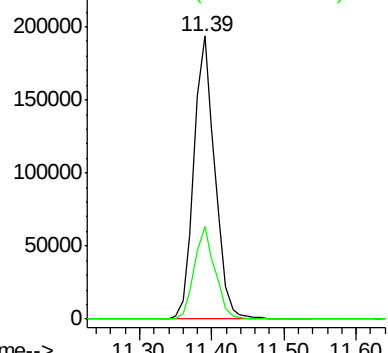
#57
 1,3-Dichloropropane
 Concen: 55.104 ug/l
 RT: 11.39 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 76 Resp: 387479
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.4 38.0

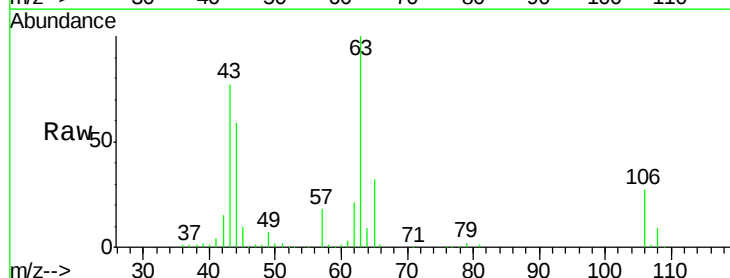


Abundance Ion 75.95 (75.65 to 76.65): VDC
 Ion 77.95 (77.65 to 78.65): VDC

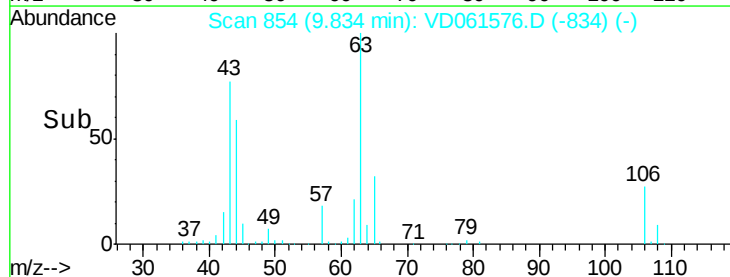
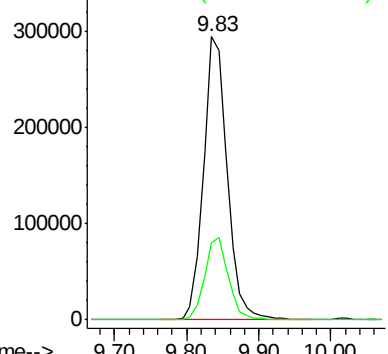


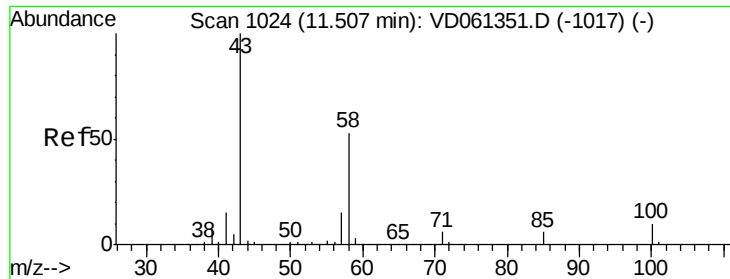
#58
 2-Chloroethyl Vinyl ether
 Concen: 270.755 ug/l
 RT: 9.83 min Scan# 854
 Delta R.T. 0.00 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Tgt Ion: 63 Resp: 677663
 Ion Ratio Lower Upper
 63 100
 106 27.5 22.4 33.6



Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 105.95 (105.65 to 106.65): V

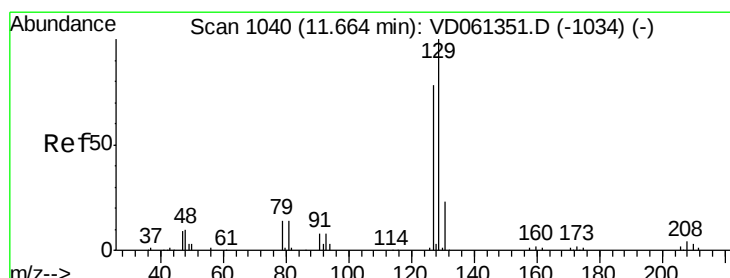
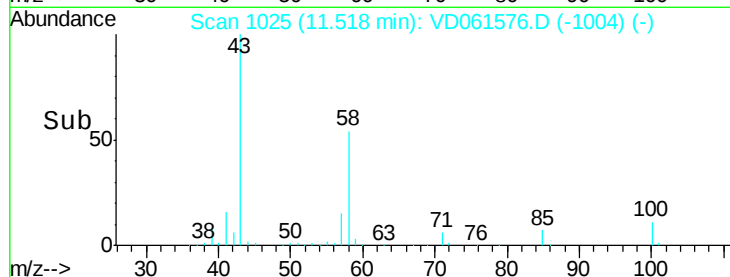
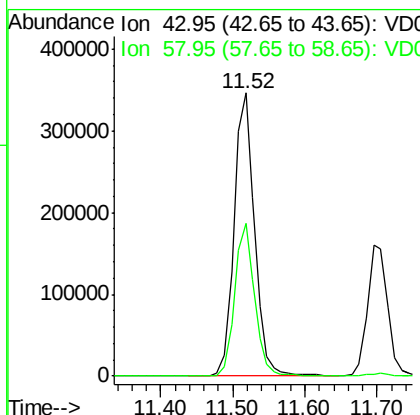
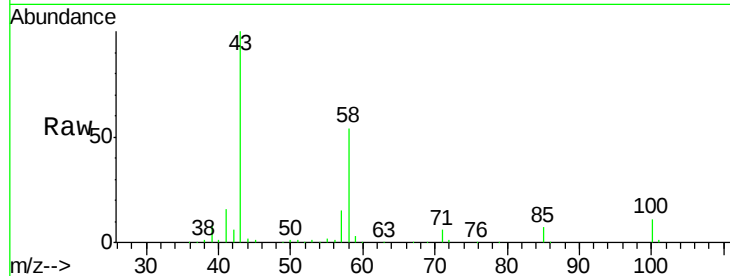




#59
2-Hexanone
Concen: 279.841 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. 0.01 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

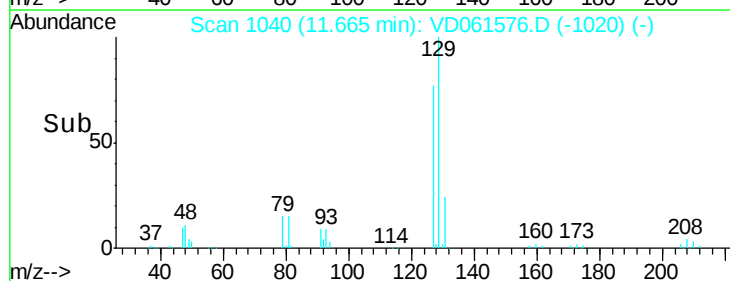
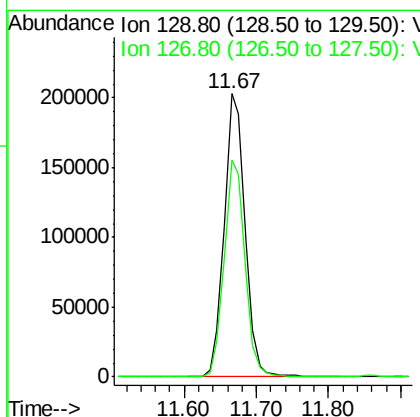
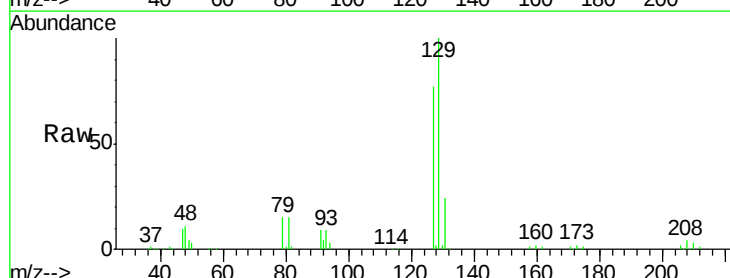
Instrument :
MSVOA_D
ClientSampleId :

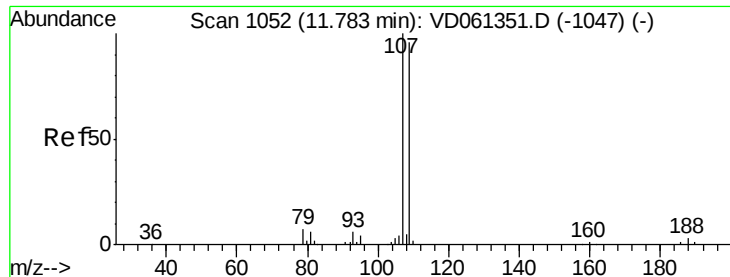
Tot Ion: 43 Resp: 685792
Ion Ratio Lower Upper
43 100
58 53.9 26.3 78.9



#60
Dibromochloromethane
Concen: 54.854 ug/l
RT: 11.67 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion: 129 Resp: 404559
Ion Ratio Lower Upper
129 100
127 76.6 39.0 116.9

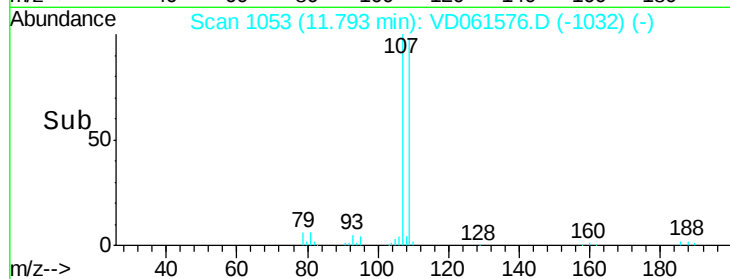
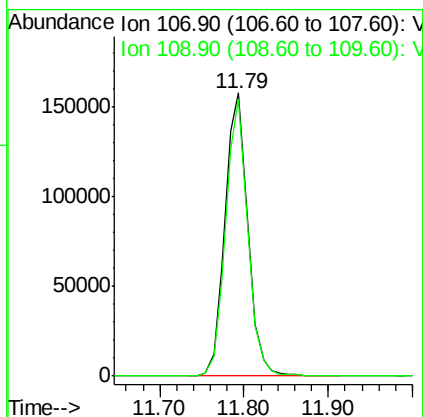
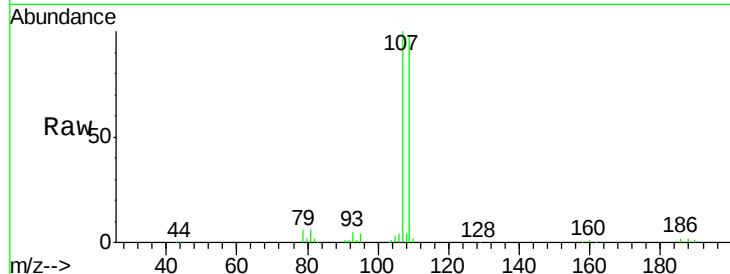




#61
 1,2-Dibromoethane
 Concen: 53.484 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

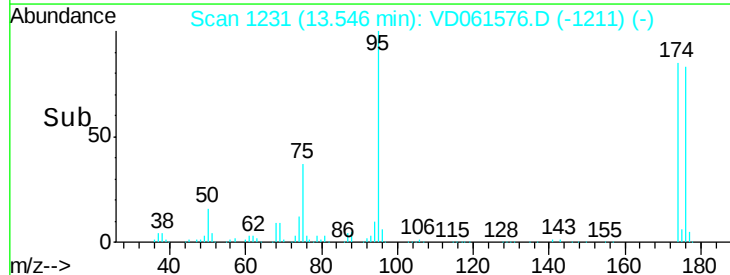
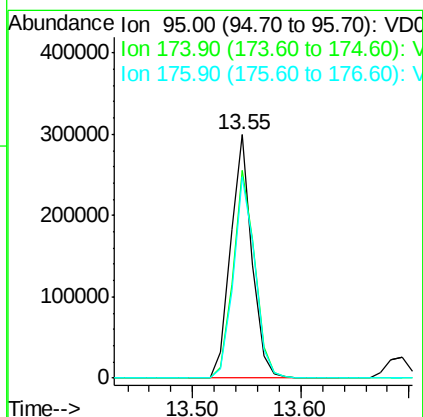
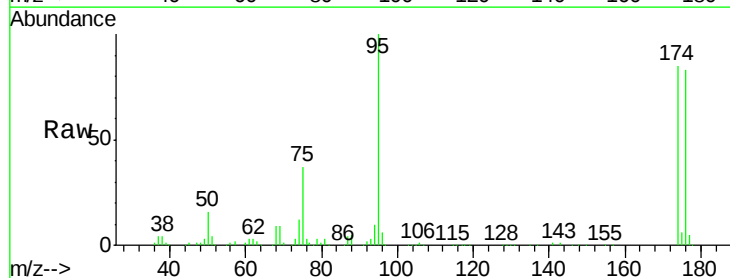
Instrument :
 MSVOA_D
 ClientSampleId :

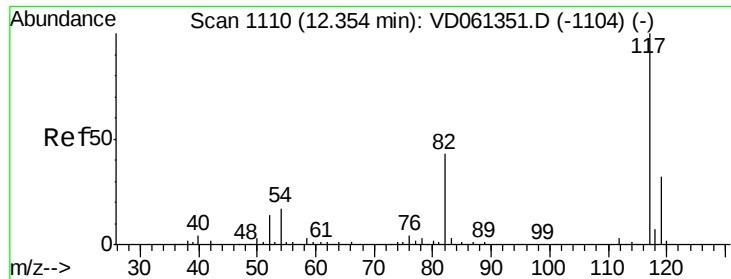
Tot Ion: 107 Resp: 296287
 Ion Ratio Lower Upper
 107 100
 109 97.8 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 53.484 ug/l
 RT: 13.55 min Scan# 1231
 Delta R.T. 0.00 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Tgt Ion: 95 Resp: 408971
 Ion Ratio Lower Upper
 95 100
 174 85.5 0.0 178.0
 176 82.9 0.0 175.0

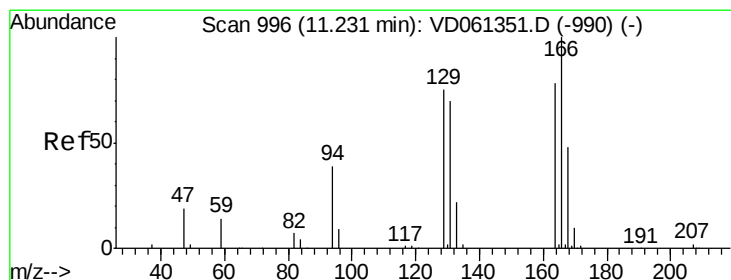
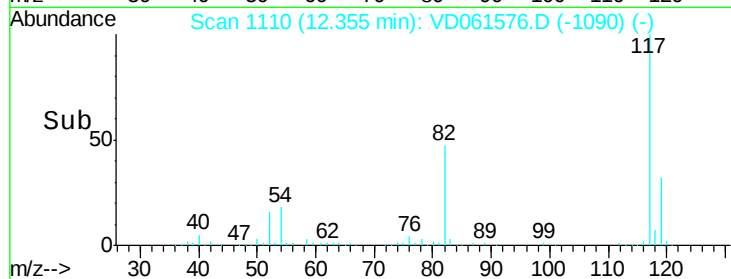
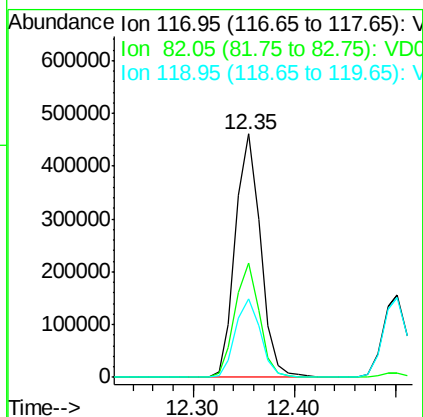
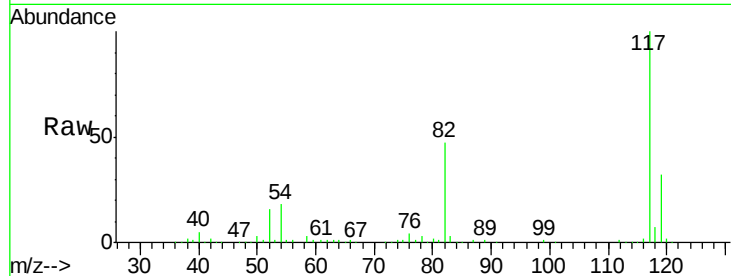




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

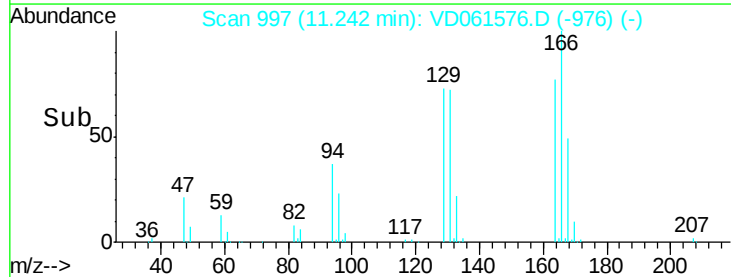
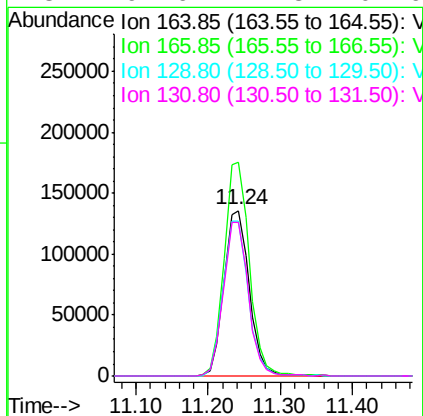
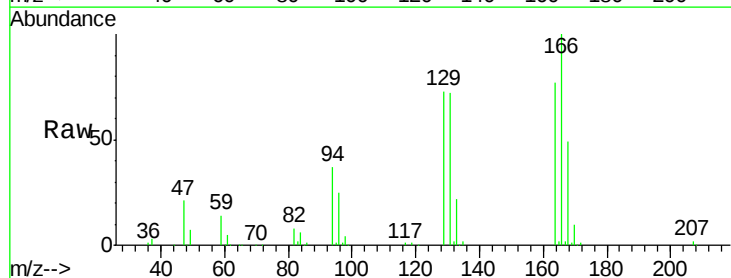
Instrument :
MSVOA_D
ClientSampleId :

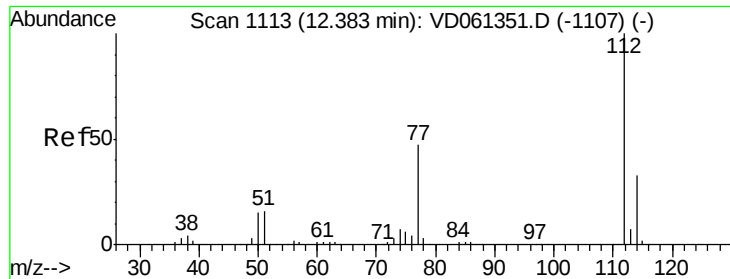
Tot Ion:117 Resp: 799300
Ion Ratio Lower Upper
117 100
82 46.8 34.4 51.6
119 32.4 25.8 38.6



#64
Tetrachloroethene
Concen: 52.865 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.01 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion:164 Resp: 331626
Ion Ratio Lower Upper
164 100
166 129.1 102.4 153.6
129 93.9 76.8 115.2
131 92.6 71.8 107.6

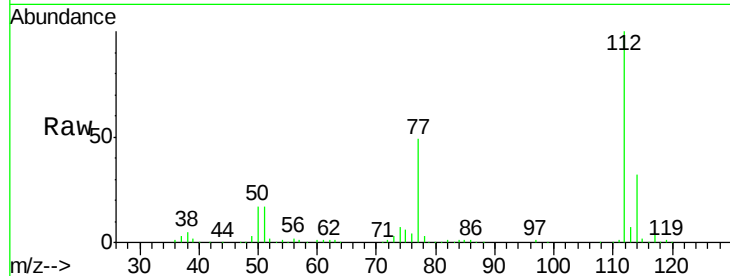




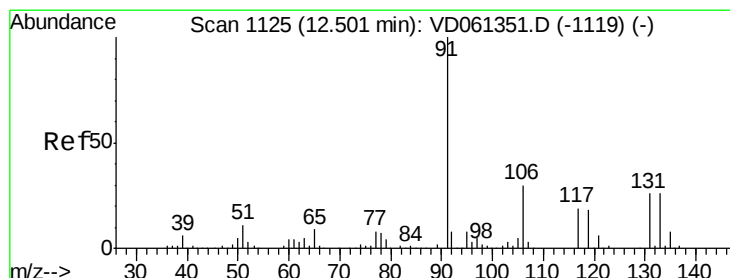
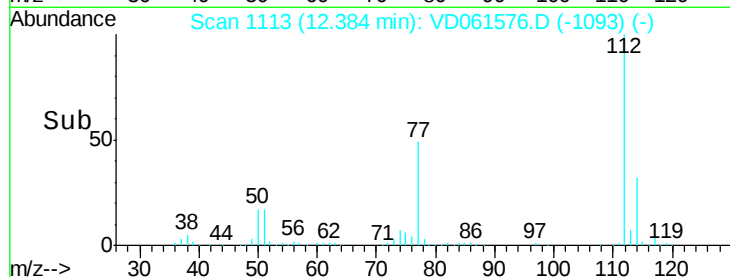
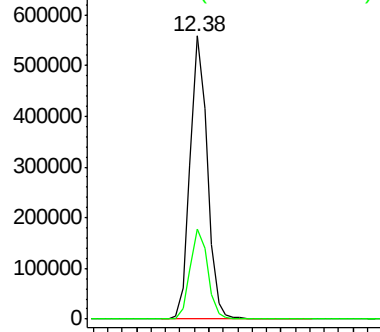
#65
Chlorobenzene
Concen: 55.843 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:112 Resp: 912191
Ion Ratio Lower Upper
112 100
114 31.7 26.6 39.8

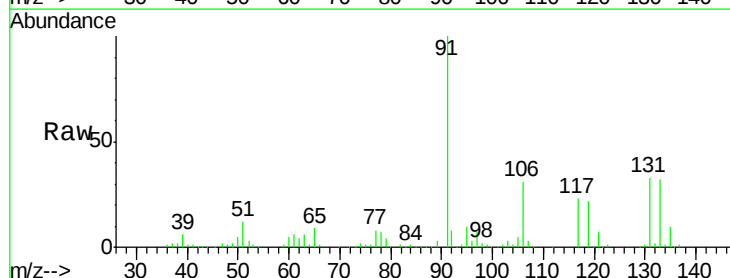


Abundance Ion 111.90 (111.60 to 112.60): V
Ion 114.00 (113.70 to 114.70): V

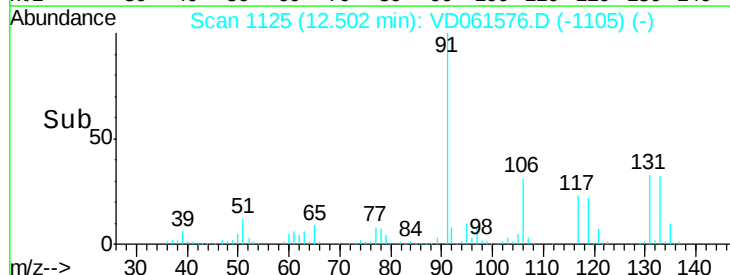
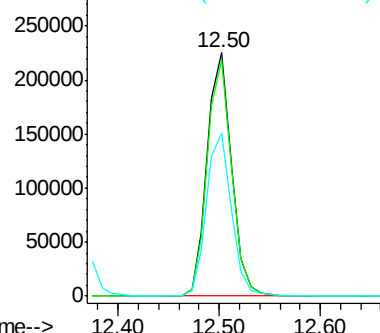


#66
1,1,1,2-Tetrachloroethane
Concen: 59.769 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion:131 Resp: 378022
Ion Ratio Lower Upper
131 100
133 97.0 49.4 148.2
119 67.1 34.1 102.2



Abundance Ion 130.90 (130.60 to 131.60): V
Ion 132.90 (132.60 to 133.60): V
Ion 118.85 (118.55 to 119.55): V

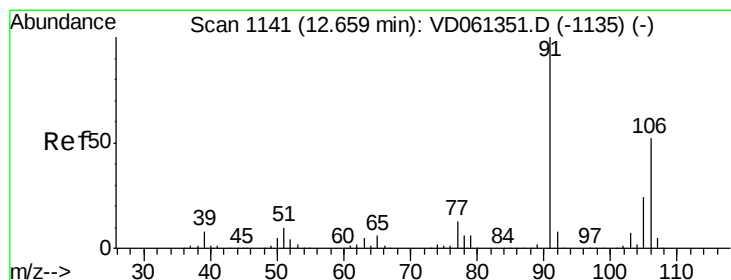
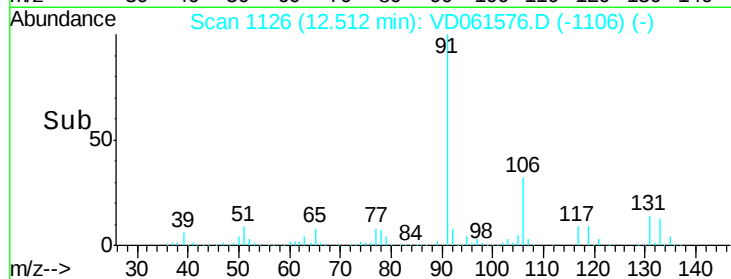
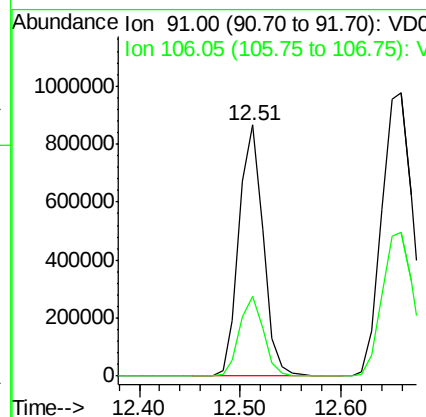
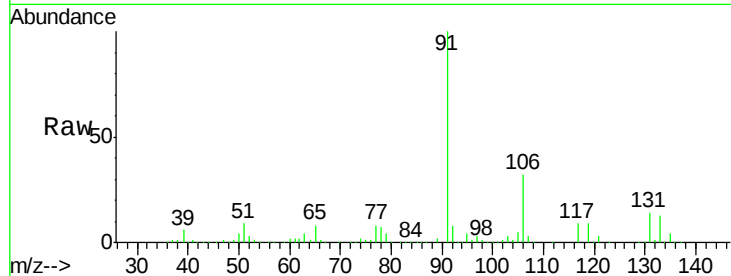




#67
Ethyl Benzene
Concen: 57.909 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

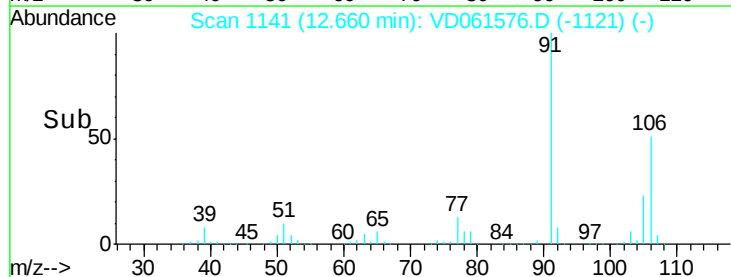
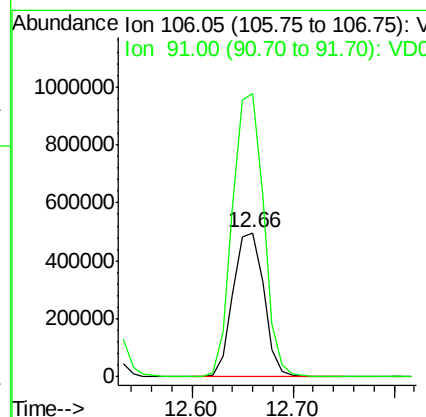
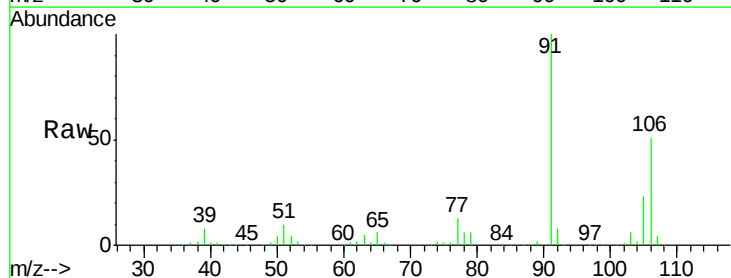
Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 91 Resp: 1443862
Ion Ratio Lower Upper
91 100
106 31.6 26.1 39.1



#68
m/p-Xylenes
Concen: 112.044 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion:106 Resp: 1058237
Ion Ratio Lower Upper
106 100
91 196.1 153.1 229.7

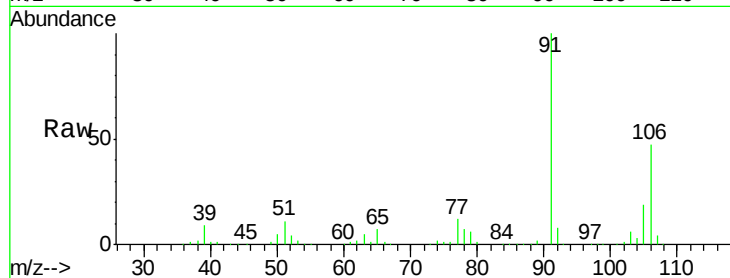




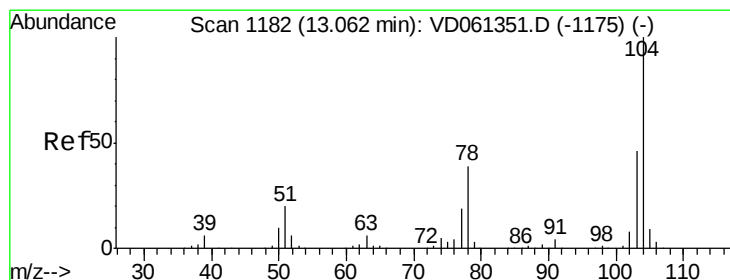
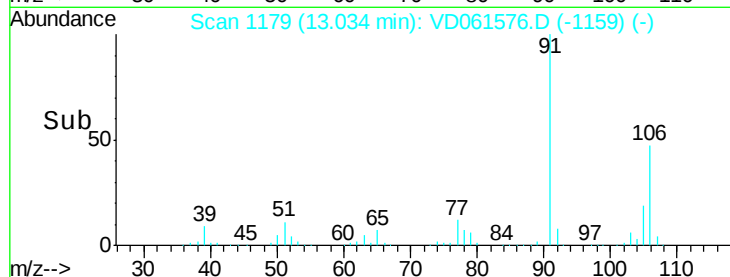
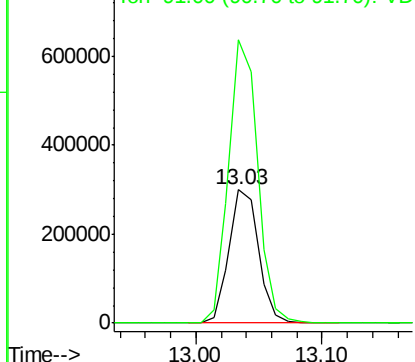
#69
o-Xylene
Concen: 53.194 ug/l
RT: 13.03 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:106 Resp: 487542
Ion Ratio Lower Upper
106 100
91 212.7 103.8 311.3

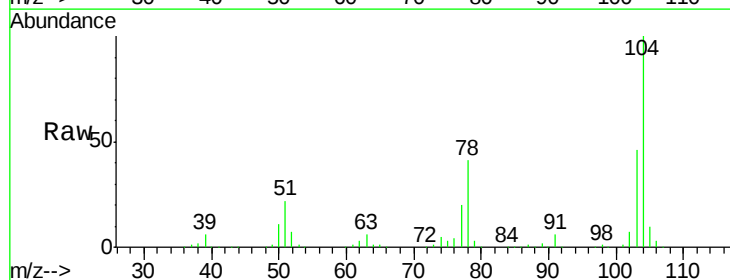


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

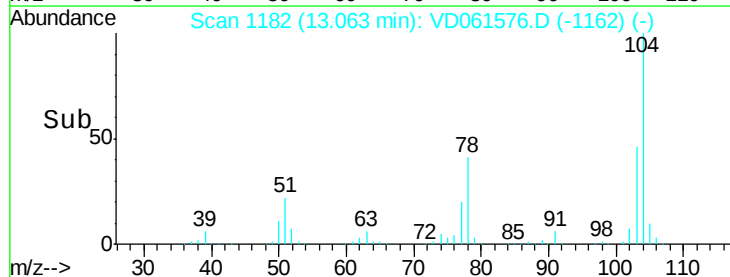
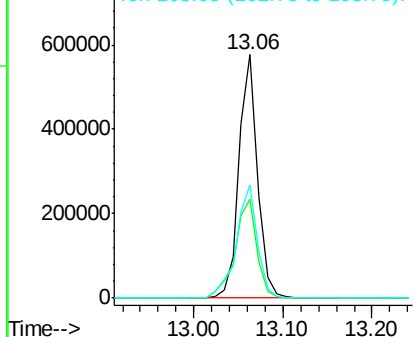


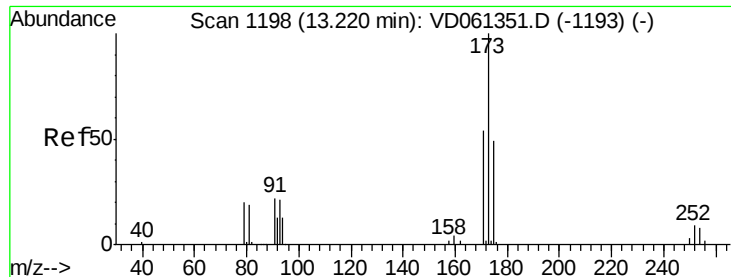
#70
Styrene
Concen: 52.459 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion:104 Resp: 838151
Ion Ratio Lower Upper
104 100
78 40.8 31.0 46.6
103 46.2 37.0 55.4



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

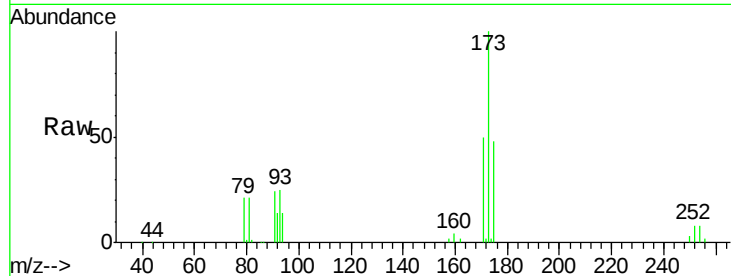




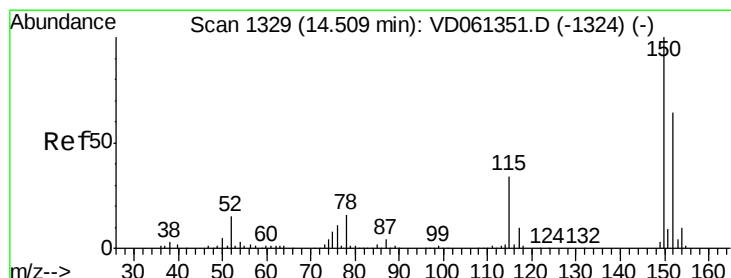
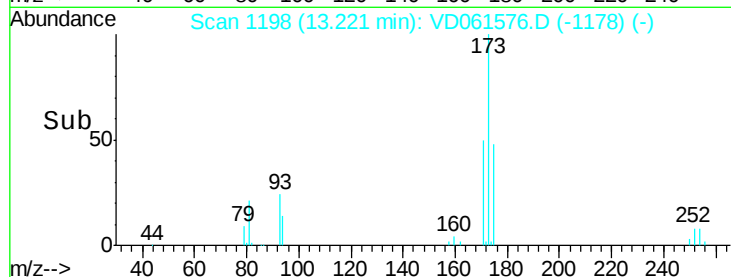
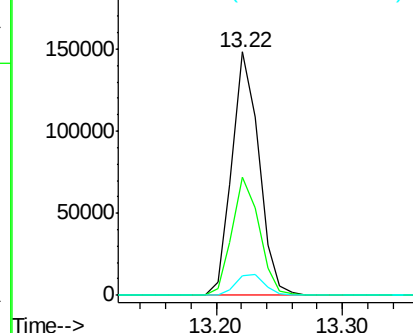
#71
Bromoform
Concen: 54.734 ug/l
RT: 13.22 min Scan# 1198
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 219445
Ion Ratio Lower Upper
173 100
175 48.4 24.6 73.8
254 7.8 6.6 10.0

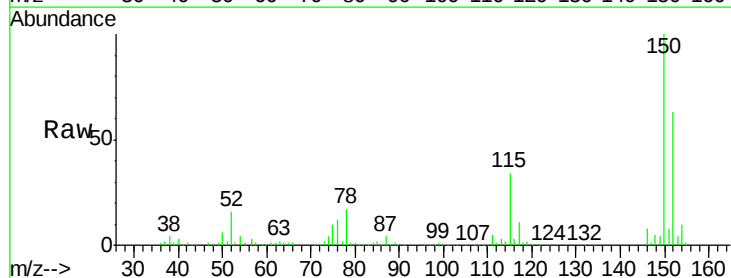


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

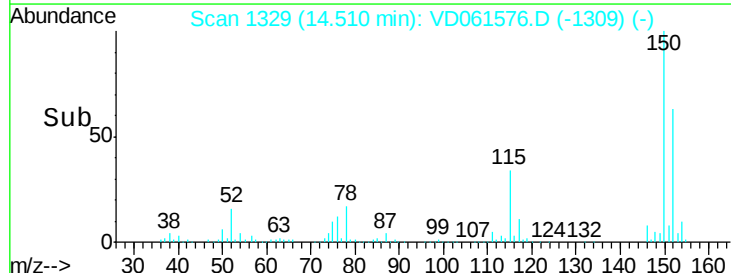
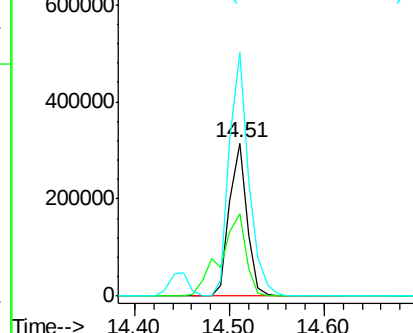


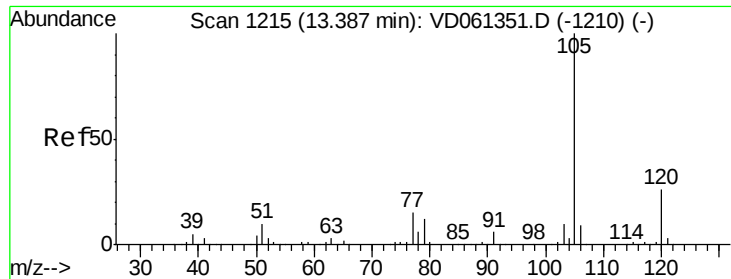
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion:152 Resp: 402880
Ion Ratio Lower Upper
152 100
115 54.2 26.9 80.6
150 159.4 0.0 318.0



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





#73

Isopropylbenzene

Concen: 48.932 ug/l

RT: 13.39 min Scan# 1215

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

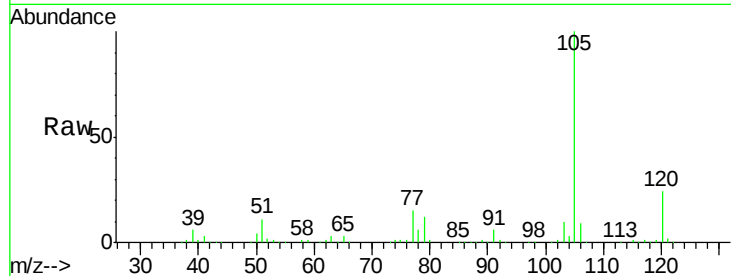
ClientSampleId :

Tot Ion:105 Resp: 1372063

Ion Ratio Lower Upper

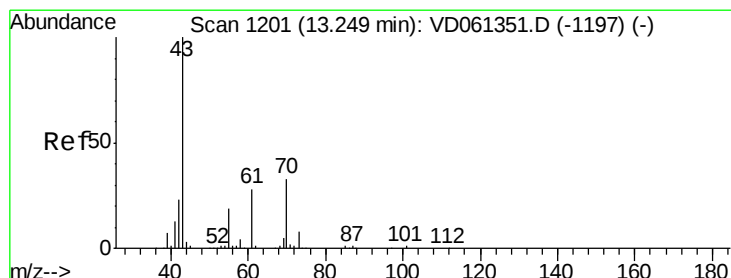
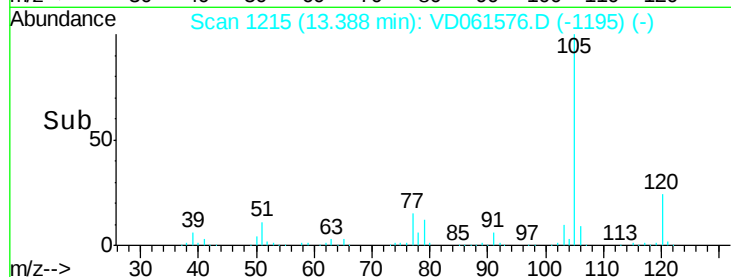
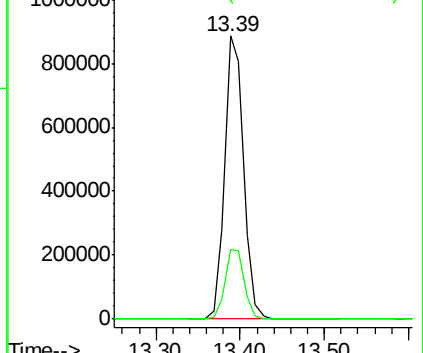
105 100

120 24.5 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 49.369 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Tgt Ion: 43 Resp: 385625

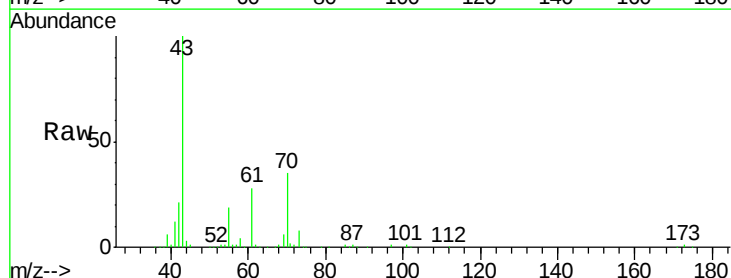
Ion Ratio Lower Upper

43 100

70 34.8 26.6 40.0

55 19.2 15.4 23.2

61 28.1 22.2 33.4

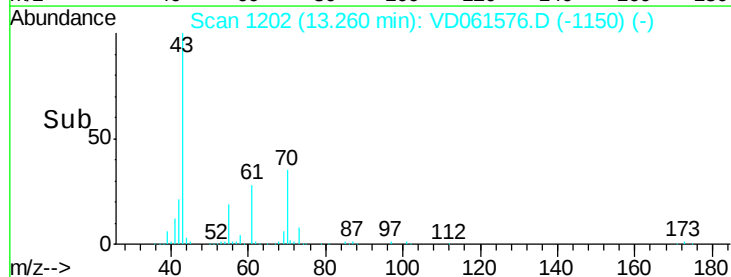
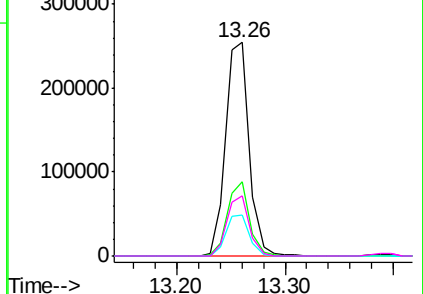


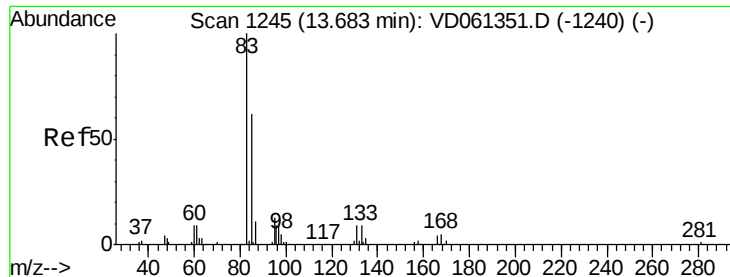
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 46.178 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

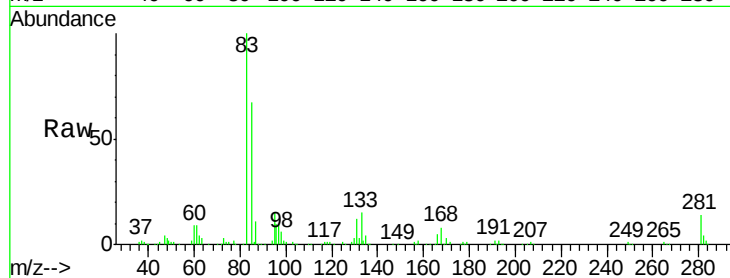
Tot Ion: 83 Resp: 273148

Ion Ratio Lower Upper

83 100

131 11.7 4.3 13.1

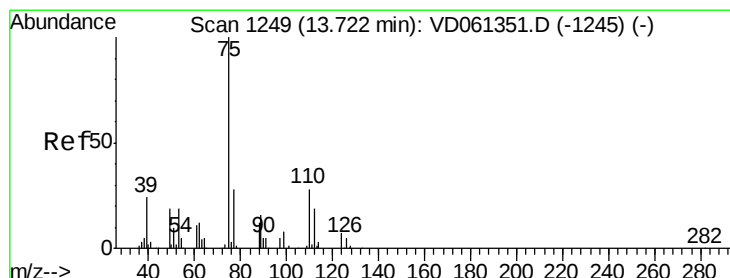
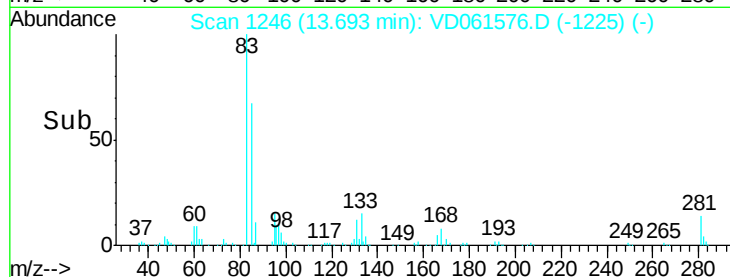
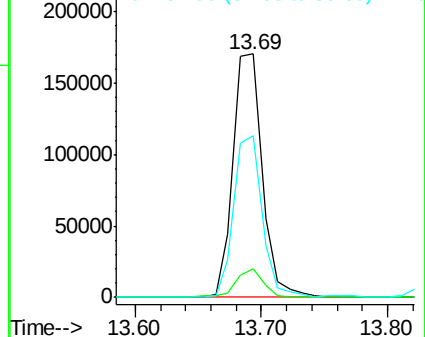
85 66.6 31.2 93.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 49.871 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VD061576.D

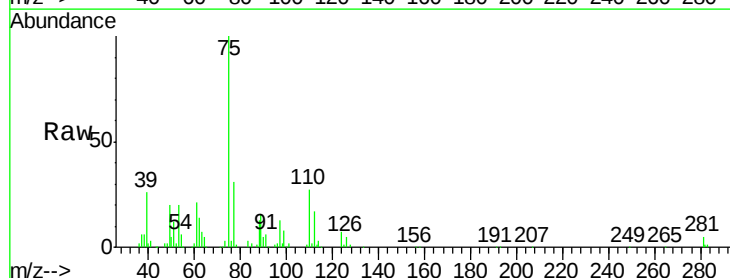
Acq: 4 Apr 2019 13:37

Tgt Ion: 75 Resp: 290235

Ion Ratio Lower Upper

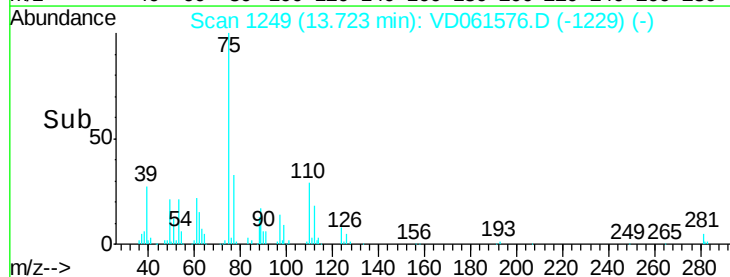
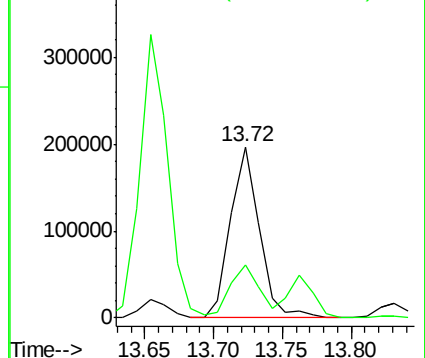
75 100

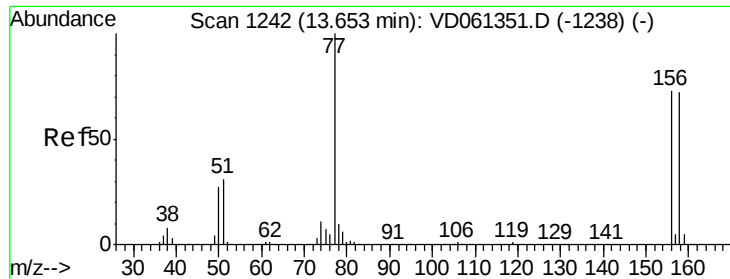
77 31.1 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 45.342 ug/l

RT: 13.65 min Scan# 1242

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

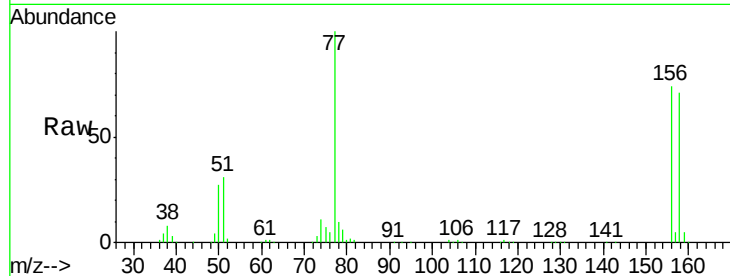
Tot Ion:156 Resp: 376912

Ion Ratio Lower Upper

156 100

77 134.6 68.5 205.6

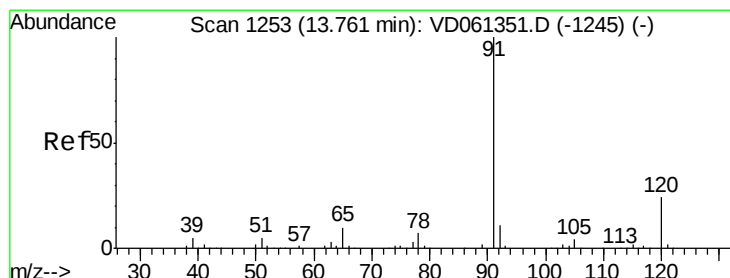
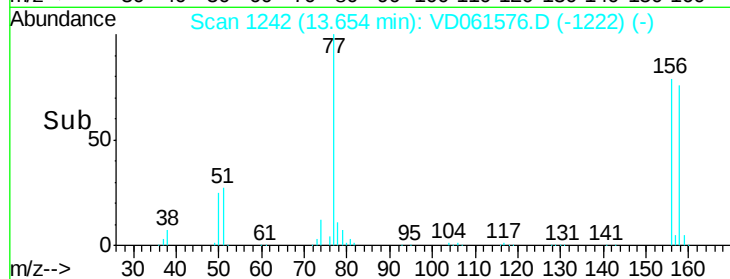
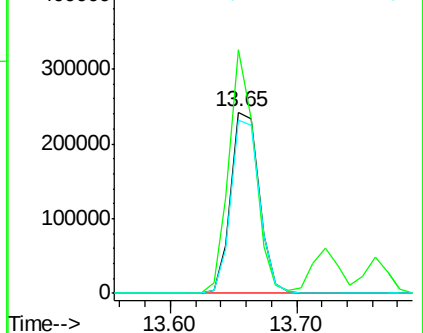
158 95.8 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 50.880 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. 0.00 min

Lab File: VD061576.D

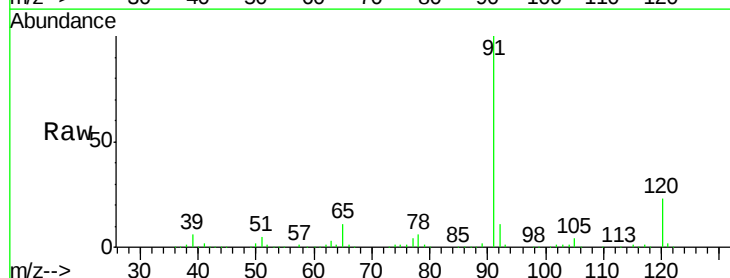
Acq: 4 Apr 2019 13:37

Tgt Ion: 91 Resp: 1745921

Ion Ratio Lower Upper

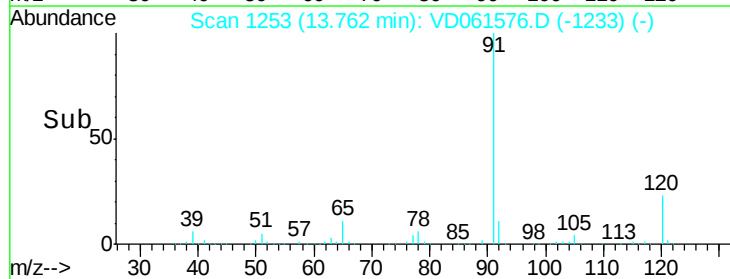
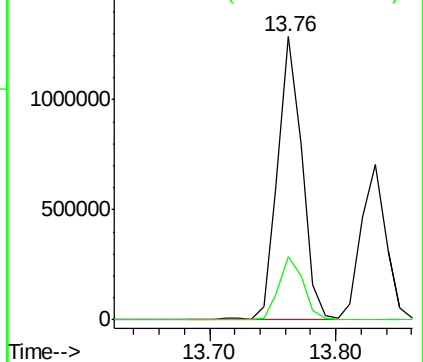
91 100

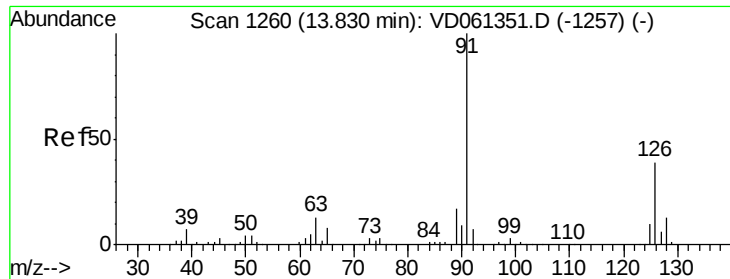
120 22.5 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

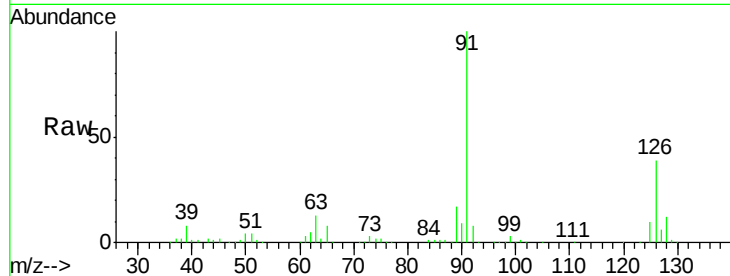




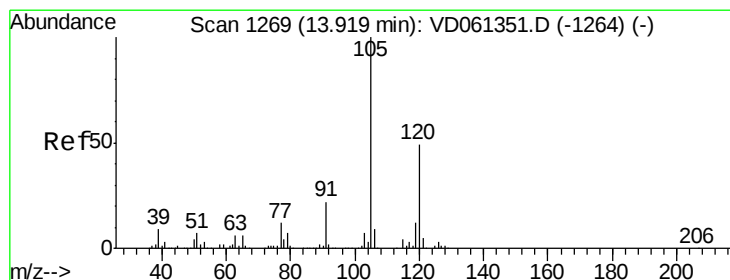
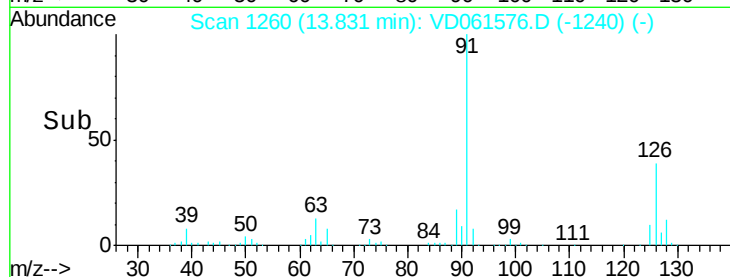
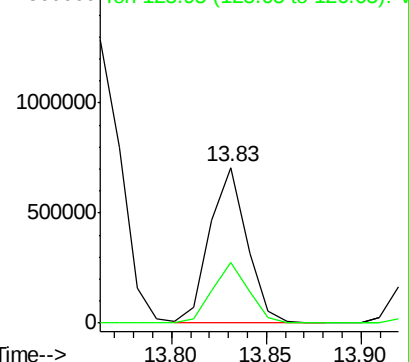
#79
2-Chlorotoluene
Concen: 51.446 ug/l
RT: 13.83 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 91 Resp: 958538
Ion Ratio Lower Upper
91 100
126 38.7 19.4 58.2

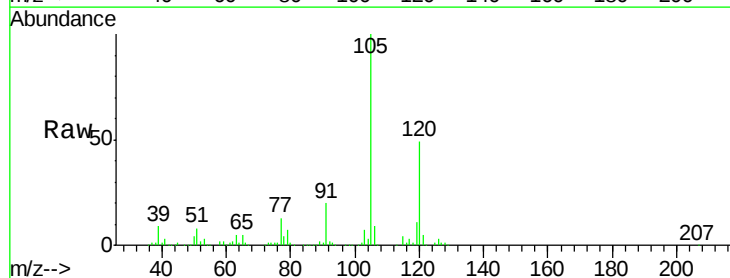


Abundance Ion 91.00 (90.70 to 91.70): VD061351.D (-1257) (-)
Ion 125.95 (125.65 to 126.65): VD061351.D (-1257) (-)

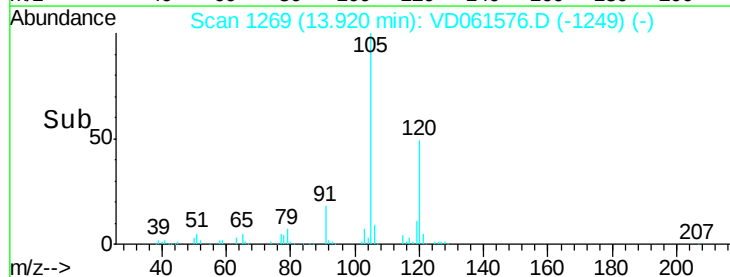
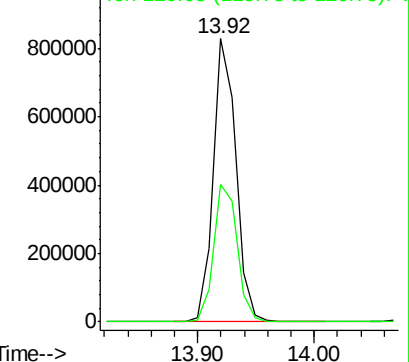


#80
1,3,5-Trimethylbenzene
Concen: 51.021 ug/l
RT: 13.92 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion: 105 Resp: 1110011
Ion Ratio Lower Upper
105 100
120 48.5 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): VD061351.D (-1264) (-)
Ion 120.05 (119.75 to 120.75): VD061351.D (-1264) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 52.406 ug/l

RT: 13.46 min Scan# 1222

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

ClientSampled :

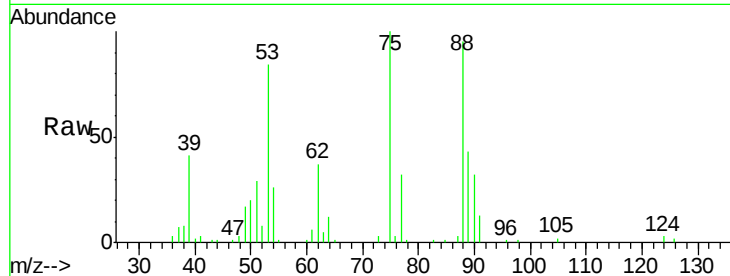
Tot Ion: 75 Resp: 92991

Ion Ratio Lower Upper

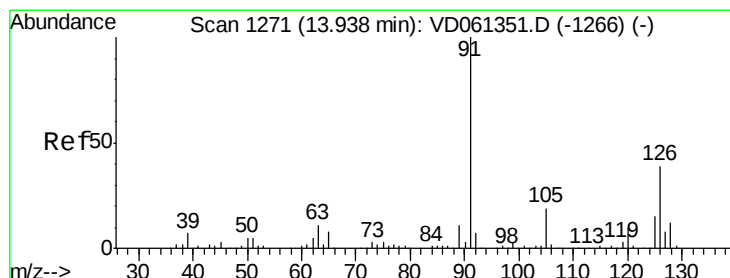
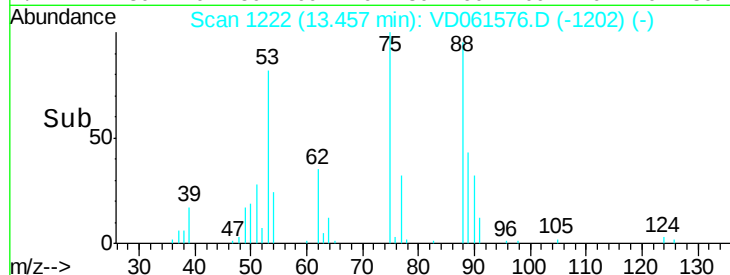
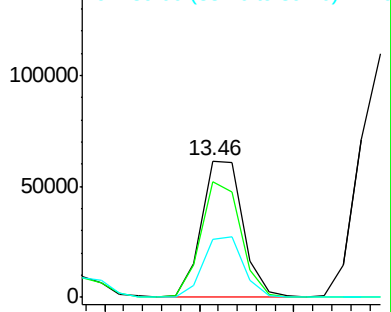
75 100

53 84.4 63.8 95.8

89 42.8 30.5 45.7



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: 49.539 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VD061576.D

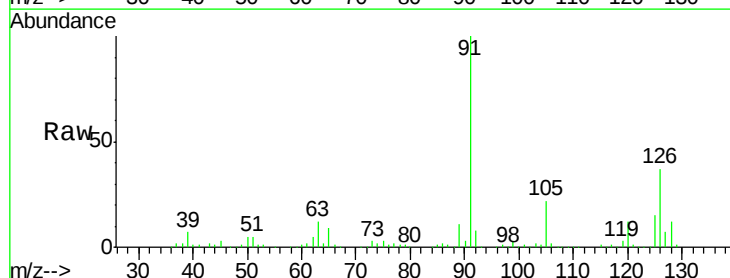
Acq: 4 Apr 2019 13:37

Tgt Ion: 91 Resp: 1003607

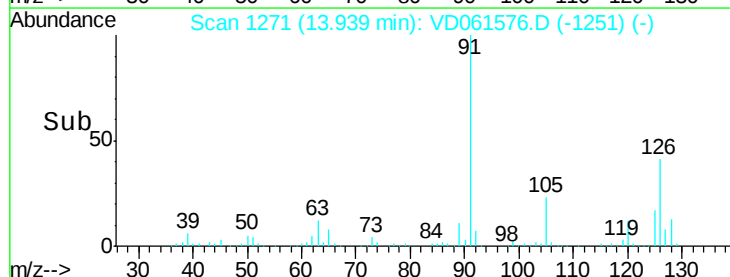
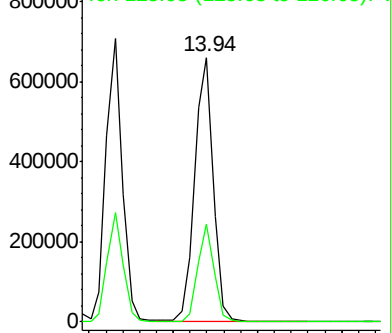
Ion Ratio Lower Upper

91 100

126 37.1 19.6 58.8



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

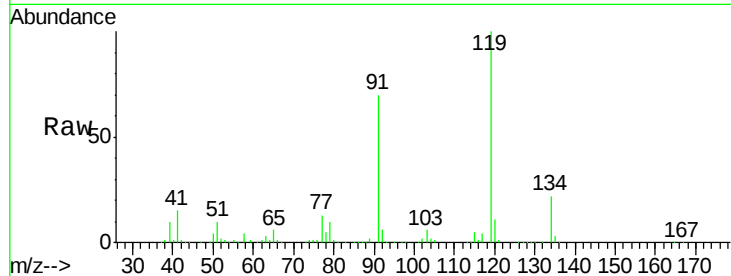




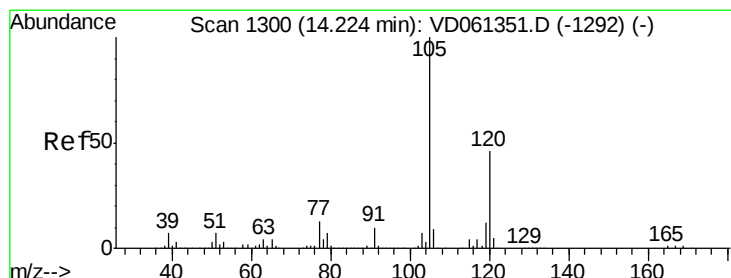
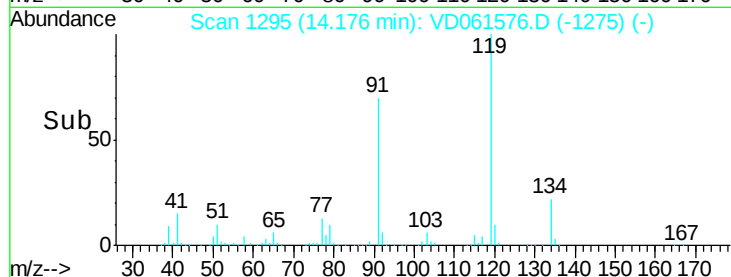
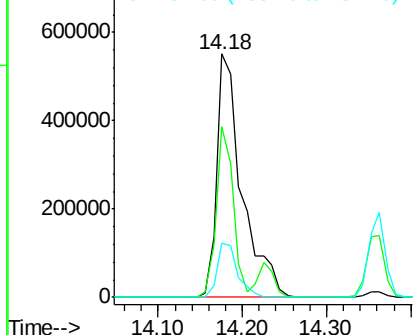
#83
tert-Butylbenzene
Concen: 42.129 ug/l
RT: 14.18 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:119 Resp: 1145443
Ion Ratio Lower Upper
119 100
91 70.2 34.1 102.3
134 22.2 11.6 34.8

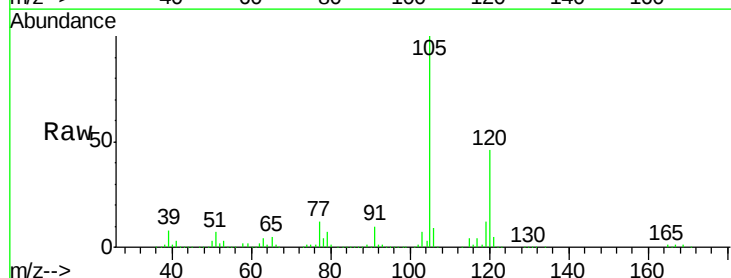


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

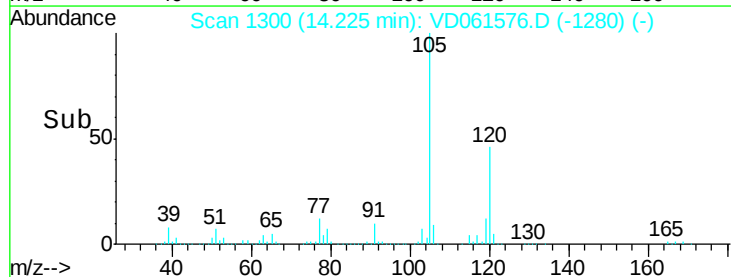
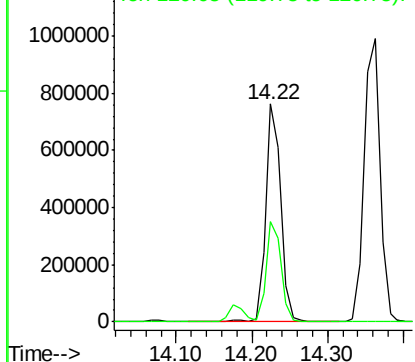


#84
1,2,4-Trimethylbenzene
Concen: 44.911 ug/l
RT: 14.22 min Scan# 1300
Delta R.T. 0.00 min
Lab File: VD061576.D
Acq: 4 Apr 2019 13:37

Tgt Ion:105 Resp: 1057805
Ion Ratio Lower Upper
105 100
120 46.0 22.8 68.4



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





#85

sec-Butylbenzene

Concen: 48.973 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.01 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

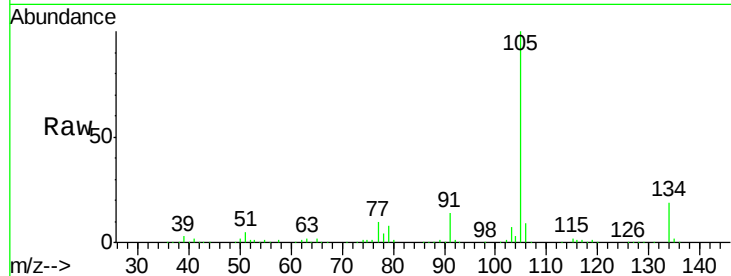
ClientSampleId :

Tot Ion:105 Resp: 1414539

Ion Ratio Lower Upper

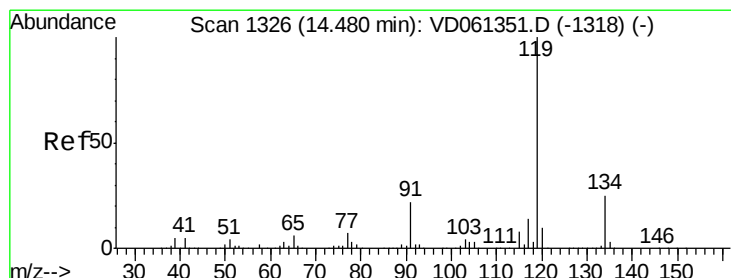
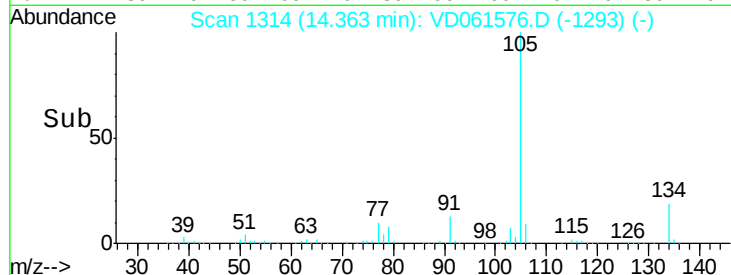
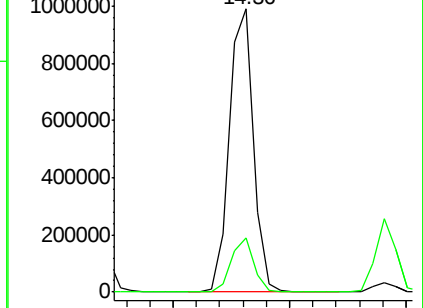
105 100

134 19.3 8.7 26.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 52.668 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

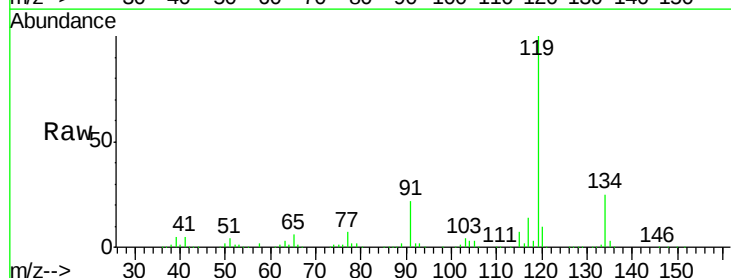
Tgt Ion:119 Resp: 1286364

Ion Ratio Lower Upper

119 100

134 24.8 12.3 36.8

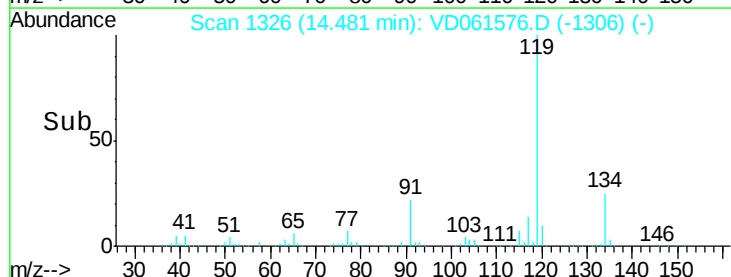
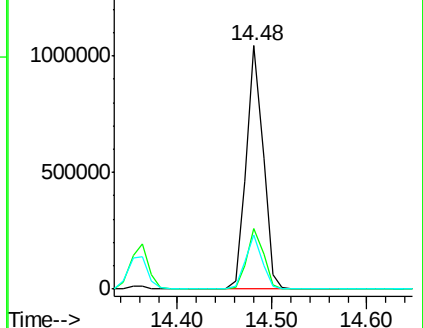
91 22.4 11.1 33.1



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

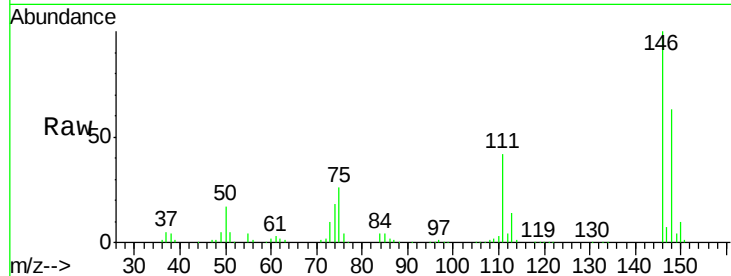




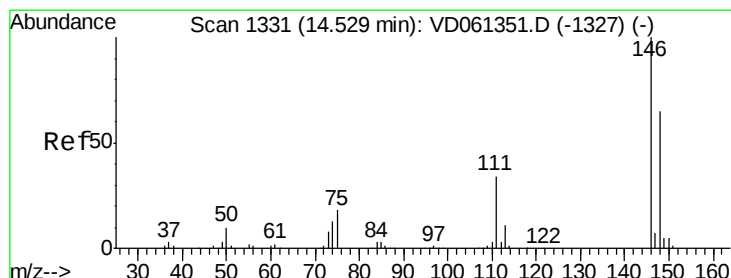
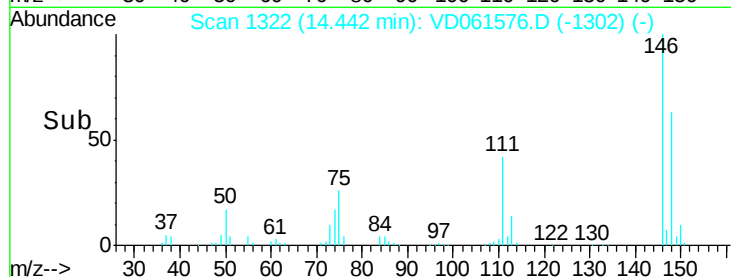
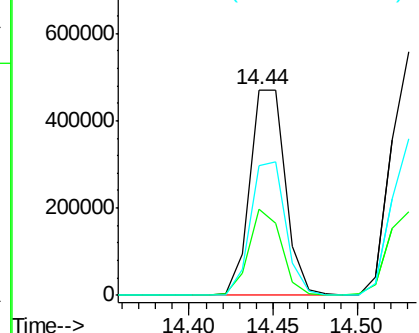
#87
 1,3-Dichlorobenzene
 Concen: 49.049 ug/l
 RT: 14.44 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Instrument :
 MSVOA_D
 ClientSampled :

Tot Ion:146 Resp: 690453
 Ion Ratio Lower Upper
 146 100
 111 42.2 20.6 61.9
 148 63.2 31.1 93.3

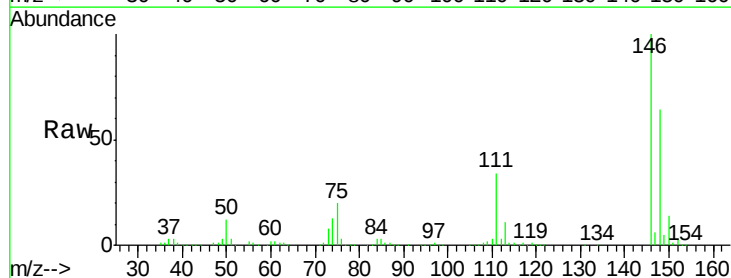


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

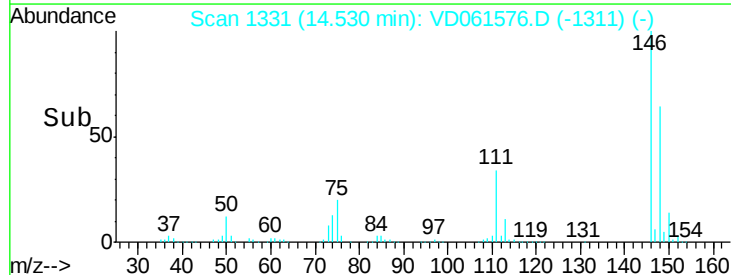
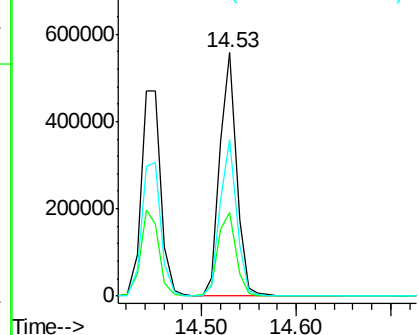


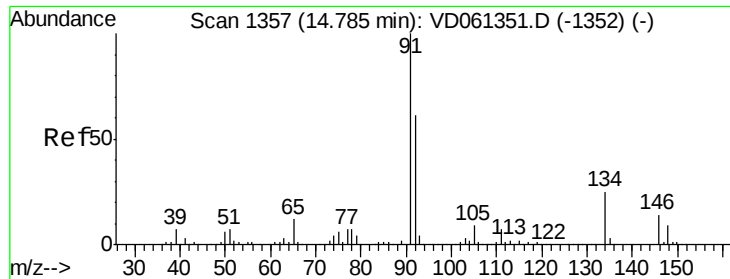
#88
 1,4-Dichlorobenzene
 Concen: 50.033 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Tgt Ion:146 Resp: 686831
 Ion Ratio Lower Upper
 146 100
 111 34.2 16.8 50.4
 148 64.4 32.6 98.0



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





#89

n-Butylbenzene

Concen: 46.672 ug/l

RT: 14.79 min Scan# 1357

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

ClientSampleId :

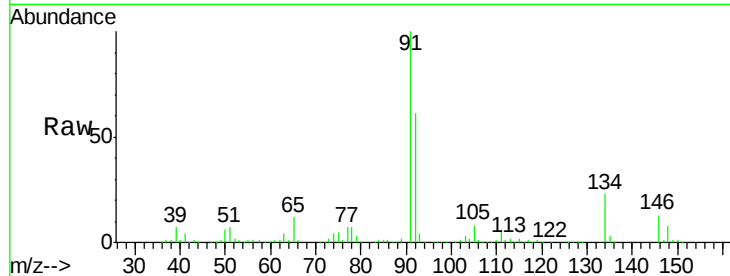
Tot Ion: 91 Resp: 1046273

Ion Ratio Lower Upper

91 100

92 60.7 30.3 91.0

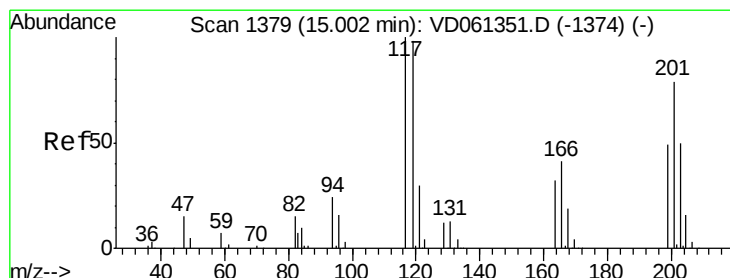
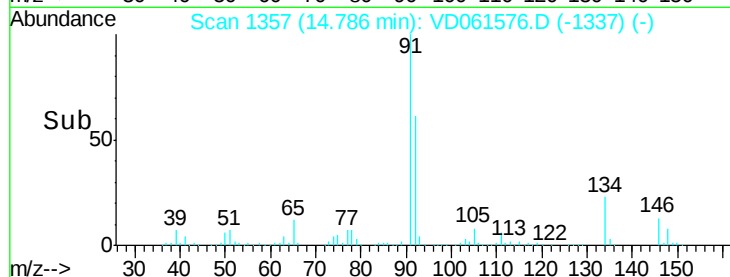
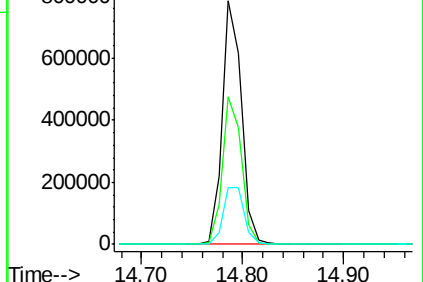
134 23.2 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 49.742 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. 0.00 min

Lab File: VD061576.D

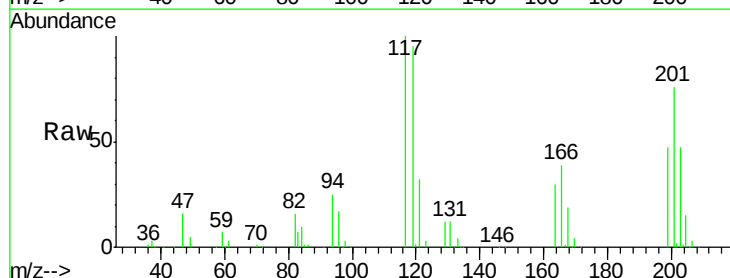
Acq: 4 Apr 2019 13:37

Tgt Ion: 117 Resp: 343225

Ion Ratio Lower Upper

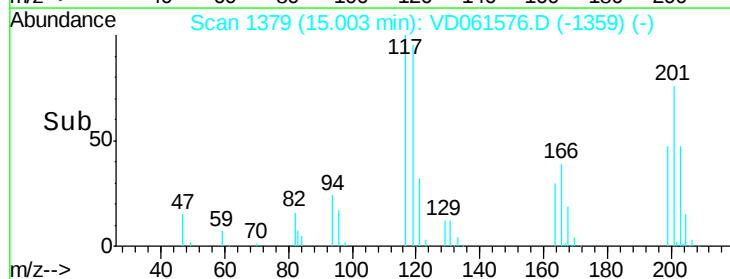
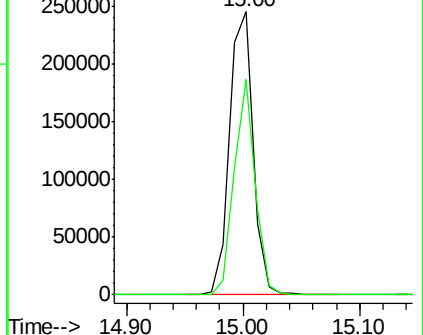
117 100

201 76.0 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

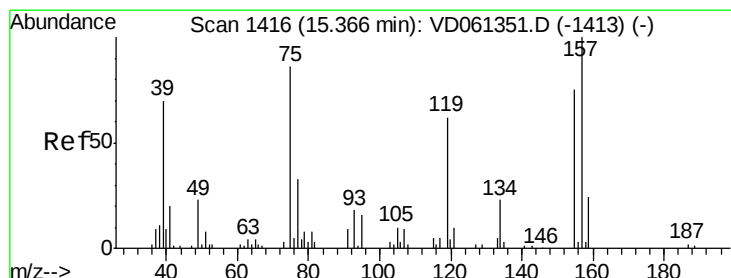
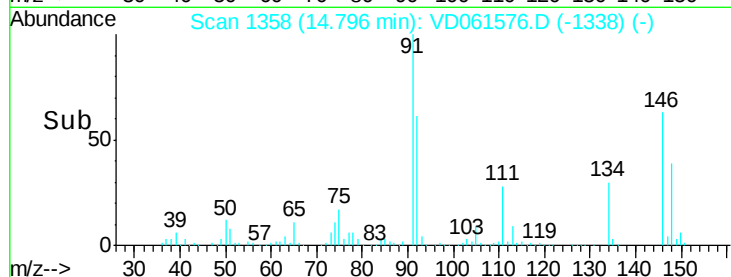
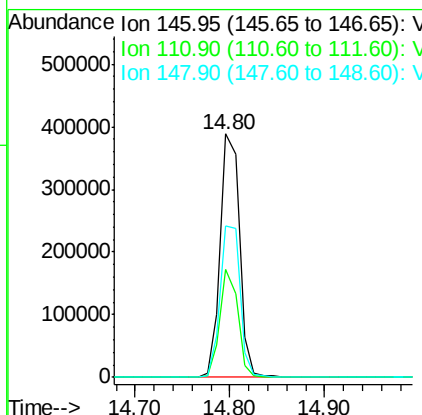
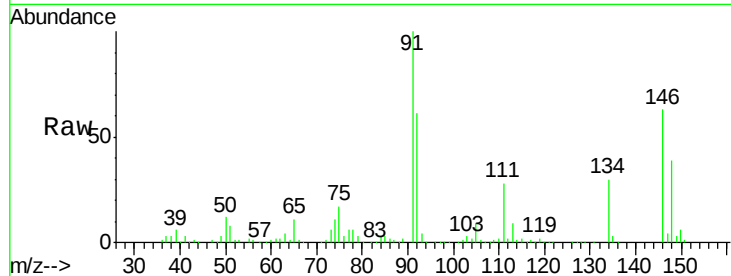




#91
 1,2-Dichlorobenzene
 Concen: 47.864 ug/l
 RT: 14.80 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

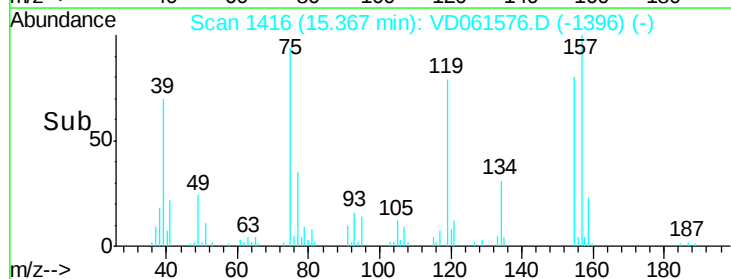
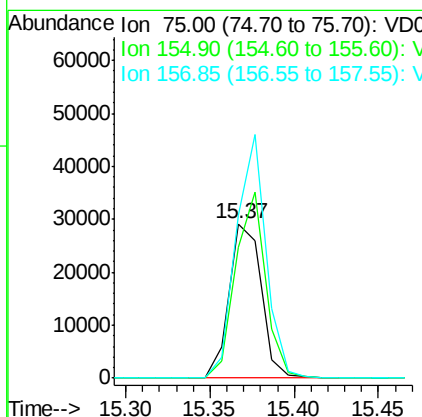
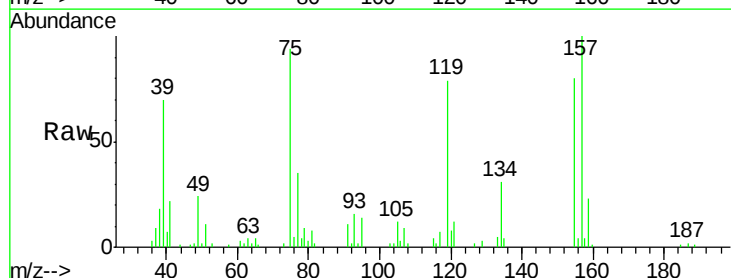
Instrument :
 MSVOA_D
 ClientSampled :

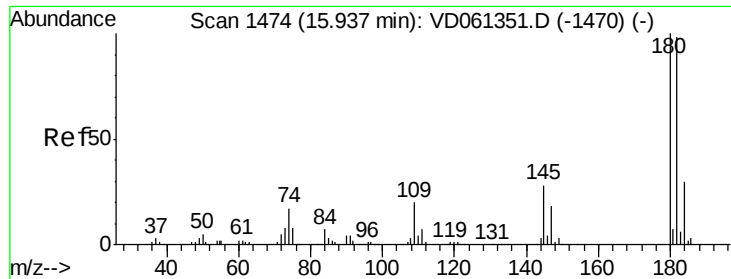
Tot Ion:146 Resp: 552657
 Ion Ratio Lower Upper
 146 100
 111 44.3 21.2 63.6
 148 62.2 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.463 ug/l
 RT: 15.37 min Scan# 1416
 Delta R.T. 0.00 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Tgt Ion: 75 Resp: 38477
 Ion Ratio Lower Upper
 75 100
 155 84.8 43.6 130.9
 157 106.2 58.5 175.3

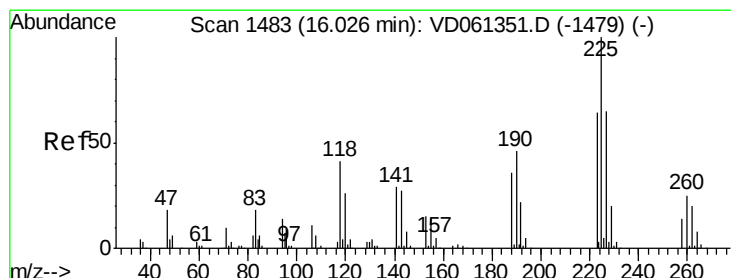
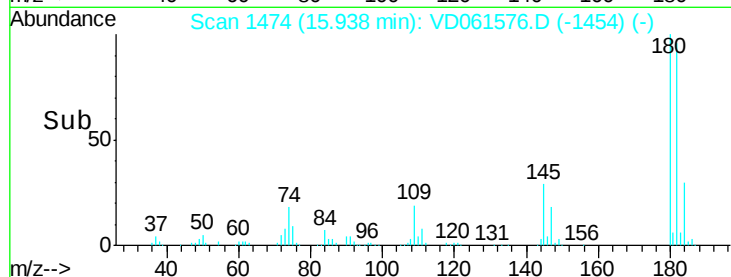
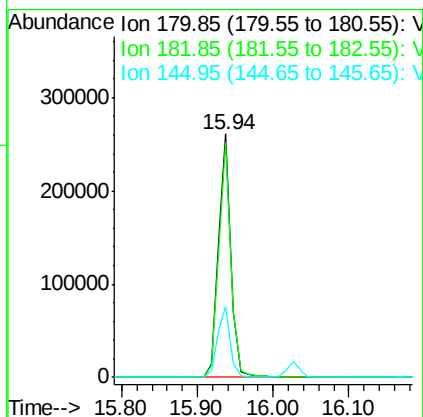
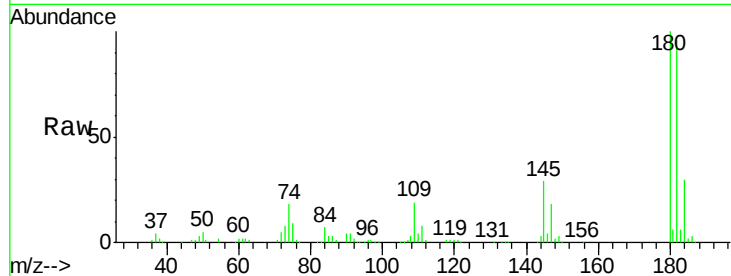




#93
 1,2,4-Trichlorobenzene
 Concen: 58.495 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. 0.00 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

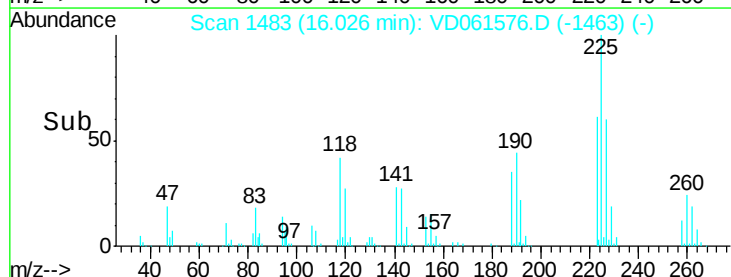
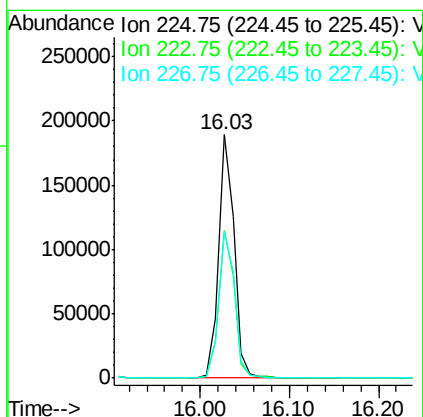
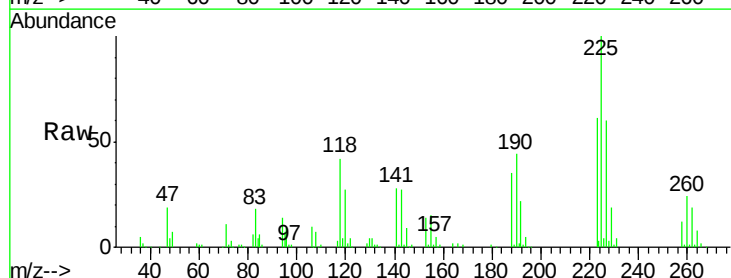
Instrument :
 MSVOA_D
 ClientSampleId :

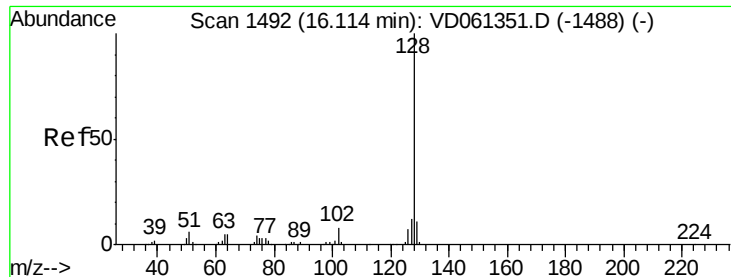
Tot Ion:180 Resp: 307670
 Ion Ratio Lower Upper
 180 100
 182 96.2 48.9 146.8
 145 28.9 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 56.199 ug/l
 RT: 16.03 min Scan# 1483
 Delta R.T. 0.00 min
 Lab File: VD061576.D
 Acq: 4 Apr 2019 13:37

Tgt Ion:225 Resp: 230986
 Ion Ratio Lower Upper
 225 100
 223 60.6 32.0 96.0
 227 59.9 32.4 97.2





#95

Naphthalene

Concen: 55.430 ug/l

RT: 16.12 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

Instrument :

MSVOA_D

ClientSampled :

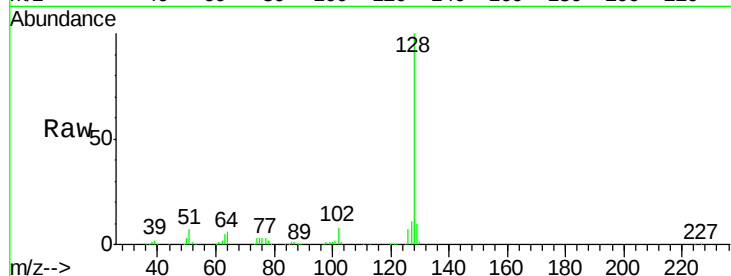
Tot Ion:128 Resp: 444396

Ion Ratio Lower Upper

128 100

127 11.4 9.9 14.9

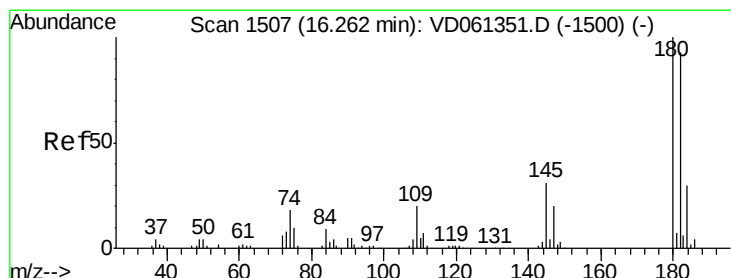
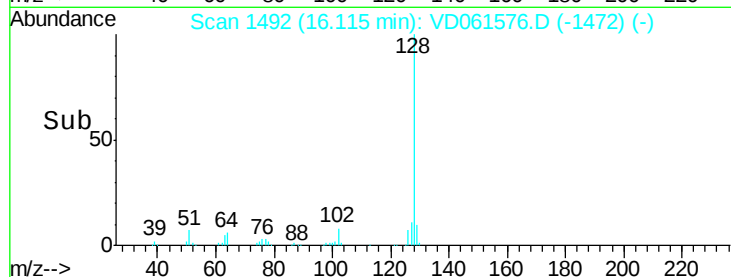
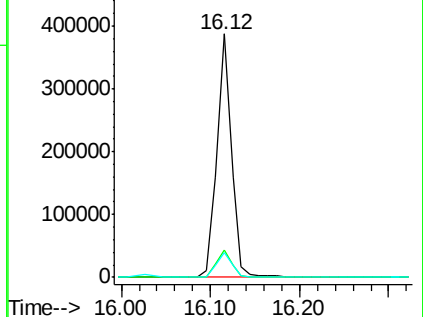
129 10.4 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 57.814 ug/l

RT: 16.26 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VD061576.D

Acq: 4 Apr 2019 13:37

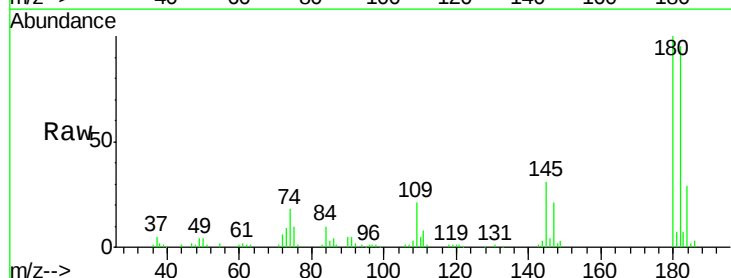
Tgt Ion:180 Resp: 133813

Ion Ratio Lower Upper

180 100

182 95.2 46.4 139.1

145 30.8 15.3 45.9



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

