

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061489.D
 Acq On : 2 Apr 2019 2:08
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 02 03:46:56 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	595134	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	8.20	114	989627	50.00	ug/l	0.01
63) Chlorobenzene-d5	12.36	117	798096	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	364783	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	284110	55.88	ug/l	0.00
Spiked Amount			Recovery	=	111.76%	
35) Dibromofluoromethane	6.91	113	430611	56.94	ug/l	0.01
Spiked Amount			Recovery	=	113.88%	
50) Toluene-d8	10.40	98	969815	53.47	ug/l	0.01
Spiked Amount			Recovery	=	106.94%	
62) 4-Bromofluorobenzene	13.55	95	399151	57.39	ug/l	0.00
Spiked Amount			Recovery	=	114.78%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	309150	48.641	ug/l	97
3) Chloromethane	1.76	50	218820	42.215	ug/l	96
4) Vinyl Chloride	1.85	62	207559	43.611	ug/l	99
5) Bromomethane	2.16	94	52145	55.252	ug/l	96
6) Chloroethane	2.27	64	76253	54.634	ug/l	93
7) Trichlorofluoromethane	2.53	101	344758	49.815	ug/l	96
8) Diethyl Ether	2.87	74	100582	45.139	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.14	101	359806	48.359	ug/l	93
10) Methyl Iodide	3.30	142	497504	44.400	ug/l	96
11) Tert butyl alcohol	4.06	59	86810	274.188	ug/l	97
12) 1,1-Dichloroethene	3.12	96	301711	47.231	ug/l	99
13) Acrolein	3.04	56	56221	231.353	ug/l	100
14) Allyl chloride	3.62	41	458873	51.502	ug/l	98
15) Acrylonitrile	4.19	53	282590	257.161	ug/l	94
16) Acetone	3.21	43	294247	225.150	ug/l	91
17) Carbon Disulfide	3.37	76	856977	41.291	ug/l	99
18) Methyl Acetate	3.64	43	148211	53.938	ug/l	98
19) Methyl tert-butyl Ether	4.23	73	586477	53.038	ug/l	98
20) Methylene Chloride	3.80	84	372249	50.879	ug/l	95
21) trans-1,2-Dichloroethene	4.22	96	330790	47.964	ug/l	94
22) Diisopropyl ether	5.10	45	1036532	54.976	ug/l	96
23) Vinyl Acetate	5.04	43	2687997	262.459	ug/l	97
24) 1,1-Dichloroethane	4.97	63	580863	52.422	ug/l	99
25) 2-Butanone	6.06	43	400634	243.701	ug/l	98
26) 2,2-Dichloropropane	6.01	77	441803	50.157	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	389914	51.602	ug/l	97
28) Bromochloromethane	6.42	49	217619	48.653	ug/l #	95
29) Tetrahydrofuran	6.44	42	201217	252.526	ug/l	98
30) Chloroform	6.65	83	634159	55.389	ug/l	98
31) Cyclohexane	6.94	56	419849	47.949	ug/l	99
32) 1,1,1-Trichloroethane	6.86	97	537992	53.263	ug/l	96
36) 1,1-Dichloropropene	7.13	75	418618	48.467	ug/l	96
37) Ethyl Acetate	6.17	43	214078	57.954	ug/l	99
38) Carbon Tetrachloride	7.10	117	556712	56.092	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.84	83	437647	48.651	ug/l	98
40) Benzene	7.45	78	1096669	50.591	ug/l	97
41) Methacrylonitrile	6.42	41	229921	53.234	ug/l #	93
42) 1,2-Dichloroethane	7.56	62	365133	56.312	ug/l	96
43) Isopropyl Acetate	9.23	43	300578	55.926	ug/l	100
44) Trichloroethene	8.53	130	404963	50.200	ug/l	96
45) 1,2-Dichloropropane	8.92	63	293045	53.313	ug/l	99
46) Dibromomethane	9.05	93	213109	57.602	ug/l	97
47) Bromodichloromethane	9.37	83	498781	60.067	ug/l	99
48) Methyl methacrylate	9.11	41	165540	55.809	ug/l	98
49) 1,4-Dioxane	9.06	88	37748	1153.785	ug/l	95
51) 4-Methyl-2-Pentanone	10.29	43	935028	285.953	ug/l	98
52) Toluene	10.50	92	680874	51.485	ug/l	98
53) t-1,3-Dichloropropene	10.90	75	409173	54.236	ug/l	99
54) cis-1,3-Dichloropropene	10.02	75	503901	54.853	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	259118	56.026	ug/l	99
56) Ethyl methacrylate	11.03	69	258592	52.047	ug/l	94
57) 1,3-Dichloropropane	11.39	76	375118	55.182	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.85	63	692359	286.146	ug/l	96
59) 2-Hexanone	11.52	43	668862	282.326	ug/l	98
60) Dibromochloromethane	11.67	129	395028	55.405	ug/l	99
61) 1,2-Dibromoethane	11.80	107	279671	52.222	ug/l	94
64) Tetrachloroethene	11.25	164	312487	49.889	ug/l	97
65) Chlorobenzene	12.39	112	905168	55.496	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	358951	56.839	ug/l	99
67) Ethyl Benzene	12.52	91	1366286	54.880	ug/l	98
68) m/p-Xylenes	12.66	106	893922	94.790	ug/l	92
69) o-Xylene	13.04	106	506867	55.385	ug/l	97
70) Styrene	13.07	104	886937	55.596	ug/l	98
71) Bromoform	13.22	173	222844	55.666	ug/l	96
73) Isopropylbenzene	13.39	105	1236999	48.723	ug/l	98
74) N-amyl acetate	13.25	43	356311	50.380	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.69	83	287511	53.683	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	279281	53.001	ug/l	99
77) Bromobenzene	13.66	156	393578	52.291	ug/l	95
78) n-propylbenzene	13.77	91	1387340	44.653	ug/l	97
79) 2-Chlorotoluene	13.83	91	887682	52.619	ug/l	99
80) 1,3,5-Trimethylbenzene	13.92	105	1027345	52.153	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.46	75	89022	55.409	ug/l	93
82) 4-Chlorotoluene	13.94	91	1012154	55.178	ug/l	98
83) tert-Butylbenzene	14.18	119	1288272	52.331	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1034890	48.527	ug/l	99
85) sec-Butylbenzene	14.36	105	1284040	49.098	ug/l	100
86) p-Isopropyltoluene	14.48	119	1085520	49.086	ug/l	100
87) 1,3-Dichlorobenzene	14.45	146	644601	50.574	ug/l	99
88) 1,4-Dichlorobenzene	14.53	146	642599	51.700	ug/l	100
89) n-Butylbenzene	14.79	91	1012134	49.865	ug/l	98
90) Hexachloroethane	15.00	117	325188	52.050	ug/l	73
91) 1,2-Dichlorobenzene	14.80	146	538488	51.508	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.37	75	37694	60.009	ug/l	94

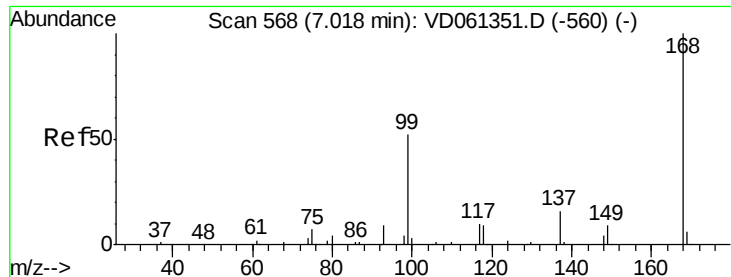
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	259006	54.386	ug/l	99
94) Hexachlorobutadiene	16.03	225	202961	54.538	ug/l	96
95) Naphthalene	16.12	128	435877	60.045	ug/l	98
96) 1,2,3-Trichlorobenzene	16.27	180	127251	60.721	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

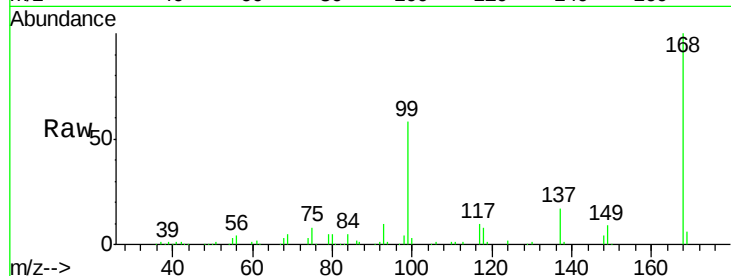
ClientSampled :

Tot Ion:168 Resp: 595134

Ion Ratio Lower Upper

168 100

99 57.6 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

200000

150000

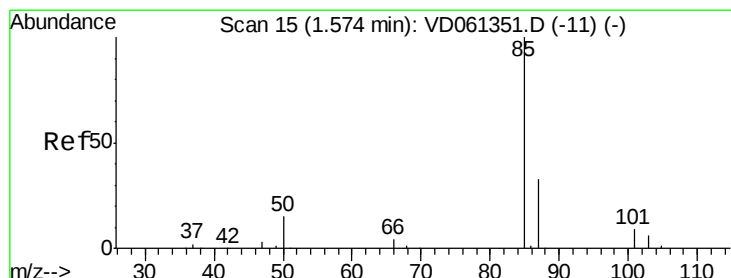
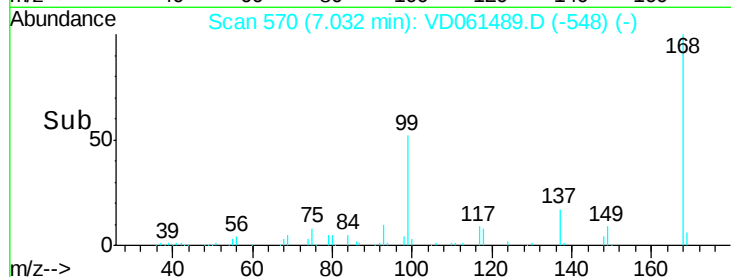
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 48.641 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.00 min

Lab File: VD061489.D

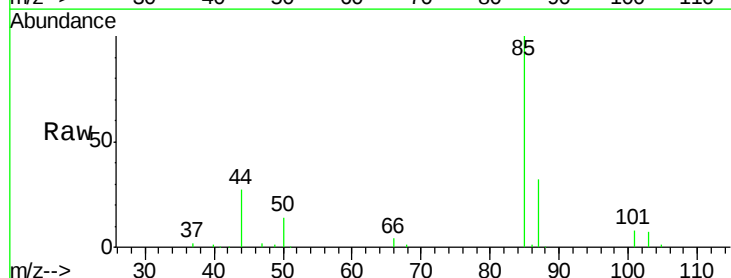
Acq: 2 Apr 2019 2:08

Tgt Ion: 85 Resp: 309150

Ion Ratio Lower Upper

85 100

87 31.5 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

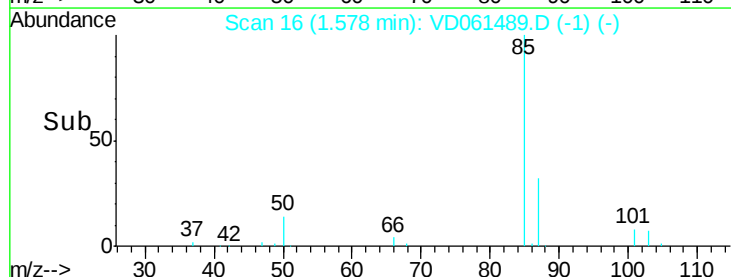
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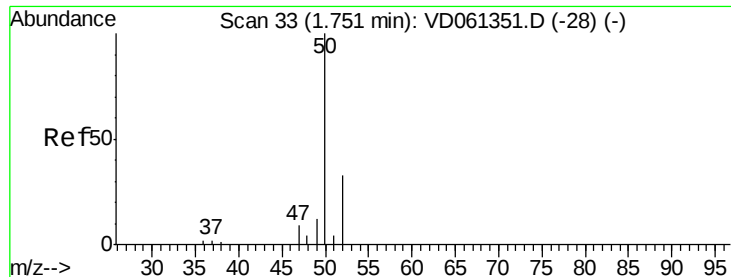
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 42.215 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

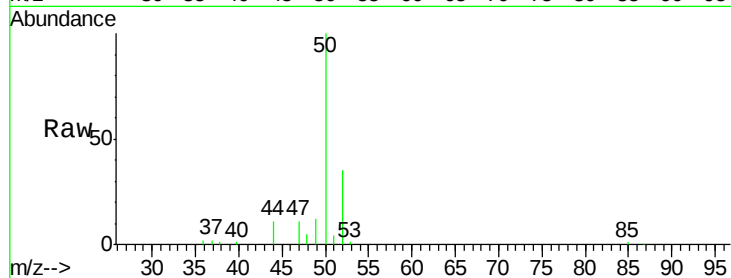
ClientSampleId :

Tot Ion: 50 Resp: 218820

Ion Ratio Lower Upper

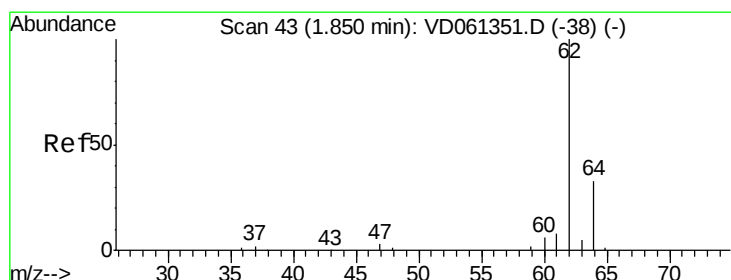
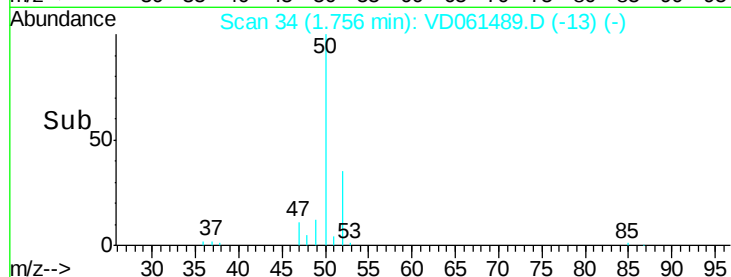
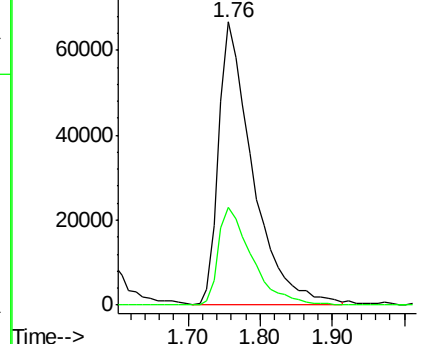
50 100

52 34.7 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: 43.611 ug/l

RT: 1.85 min Scan# 44

Delta R.T. 0.00 min

Lab File: VD061489.D

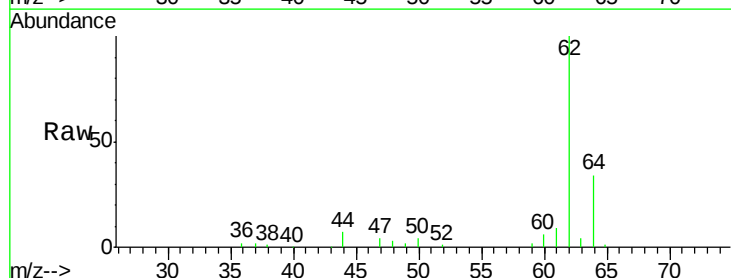
Acq: 2 Apr 2019 2:08

Tgt Ion: 62 Resp: 207559

Ion Ratio Lower Upper

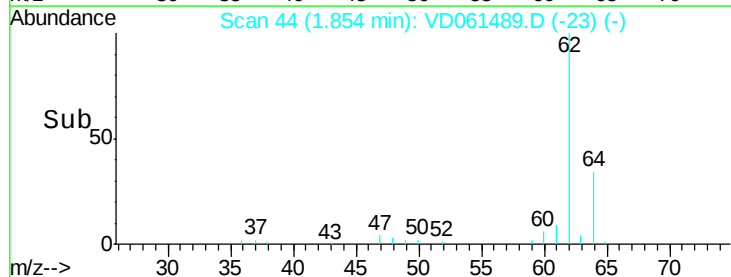
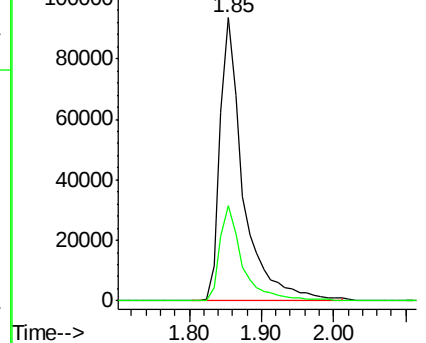
62 100

64 33.8 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

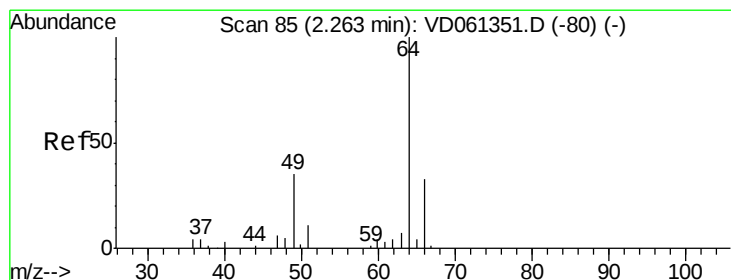
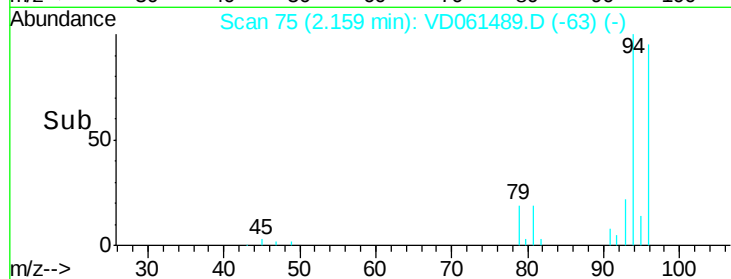
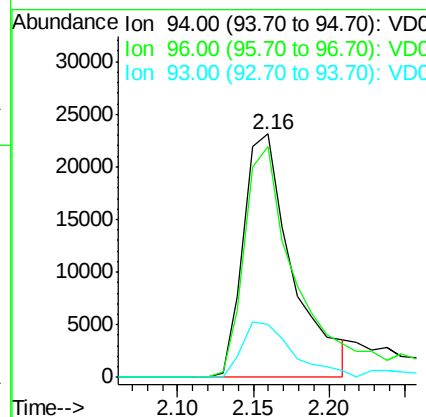
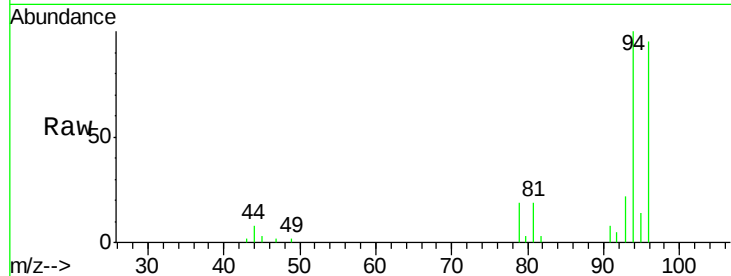




#5
Bromomethane
Concen: 55.252 ug/l
RT: 2.16 min Scan# 75
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

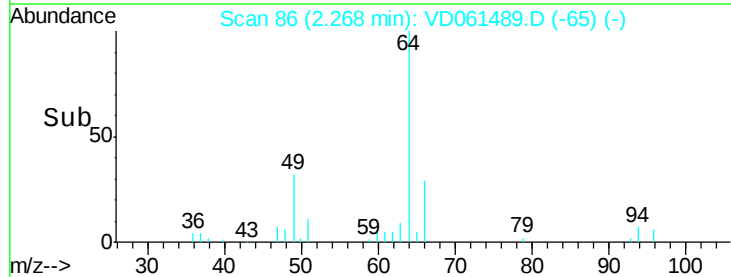
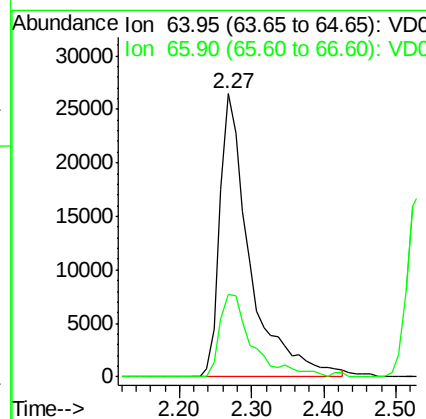
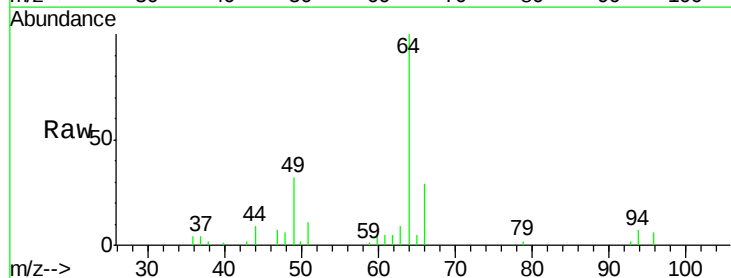
Instrument :
MSVOA_D
ClientSampled :

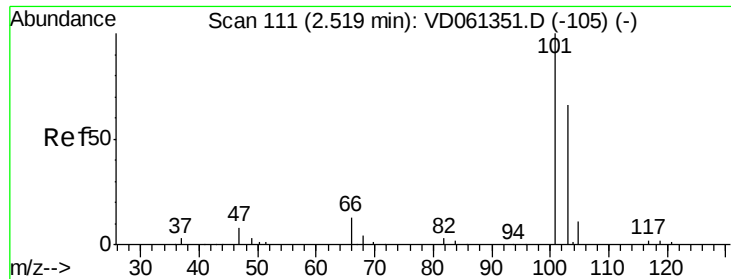
Tot Ion: 94 Resp: 52145
Ion Ratio Lower Upper
94 100
96 94.7 78.3 117.5
93 21.7 15.6 23.4



#6
Chloroethane
Concen: 54.634 ug/l
RT: 2.27 min Scan# 86
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion: 64 Resp: 76253
Ion Ratio Lower Upper
64 100
66 28.9 26.2 39.2



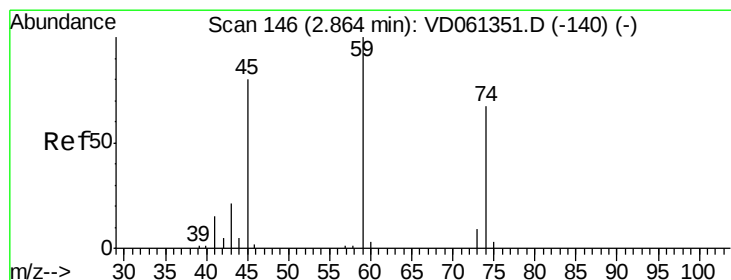
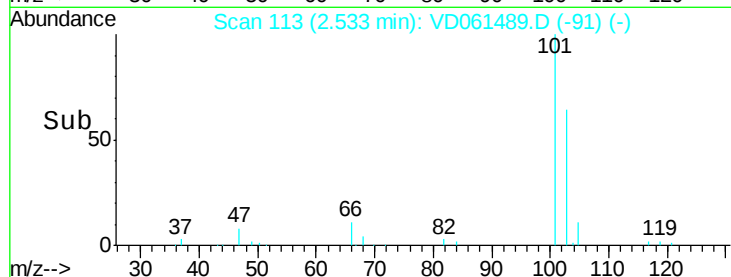
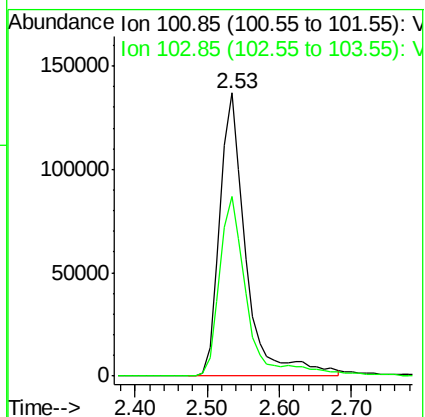
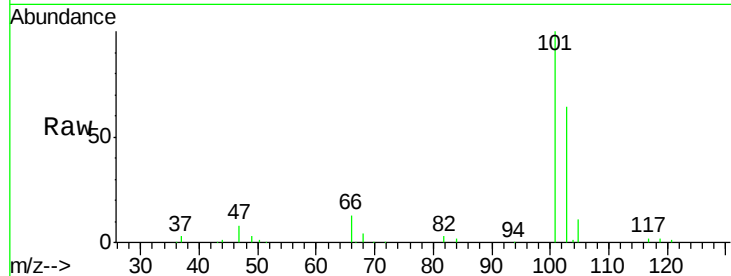


#7

Trichlorofluoromethane
Concen: 49.815 ug/l
RT: 2.53 min Scan# 113
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampleId :

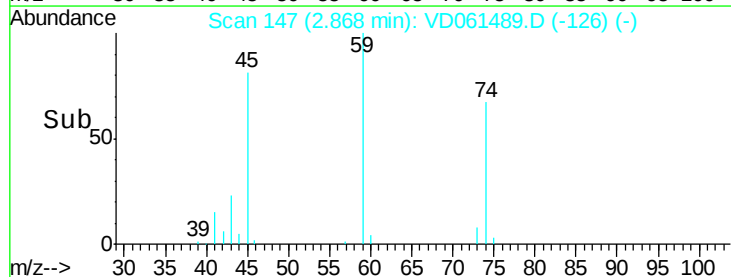
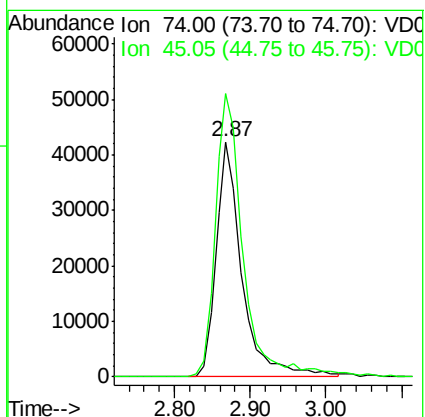
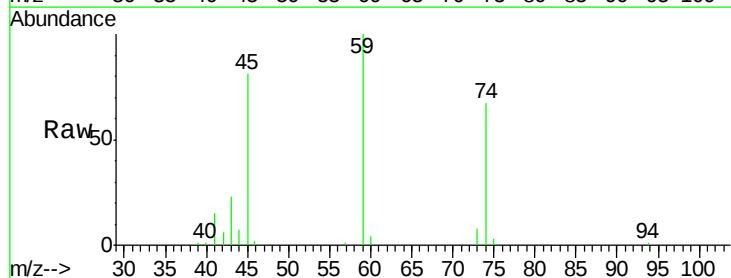
Tot Ion:101 Resp: 344758
Ion Ratio Lower Upper
101 100
103 63.5 53.1 79.7



#8

Diethyl Ether
Concen: 45.139 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion: 74 Resp: 100582
Ion Ratio Lower Upper
74 100
45 120.6 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.359 ug/l

RT: 3.14 min Scan# 175

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

ClientSampleId :

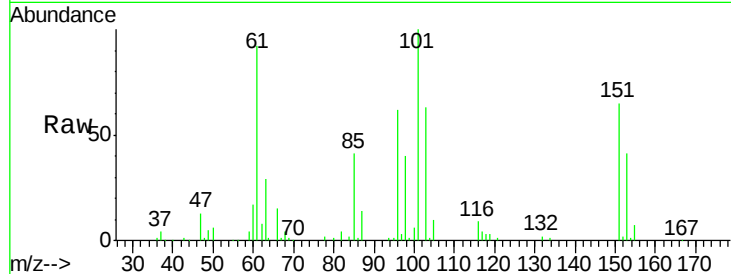
Tot Ion:101 Resp: 359806

Ion Ratio Lower Upper

101 100

85 40.8 29.4 44.0

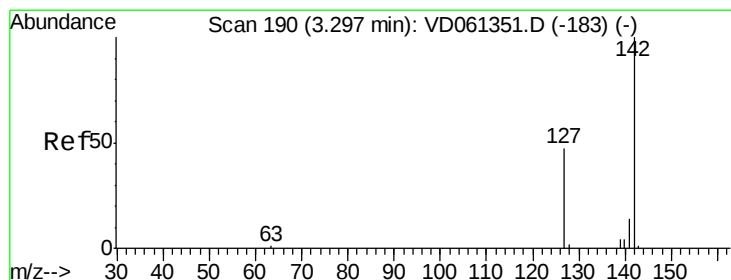
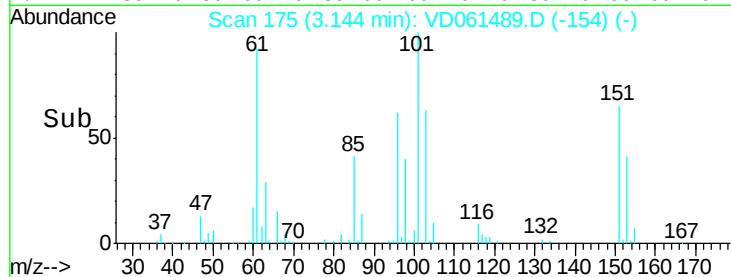
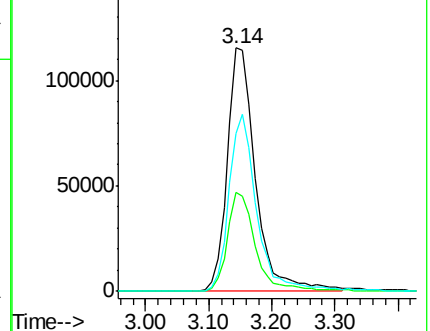
151 64.9 57.0 85.4



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: 44.400 ug/l

RT: 3.30 min Scan# 191

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

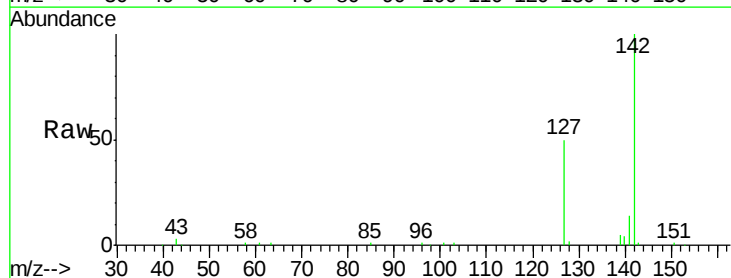
Tgt Ion:142 Resp: 497504

Ion Ratio Lower Upper

142 100

127 50.5 37.7 56.5

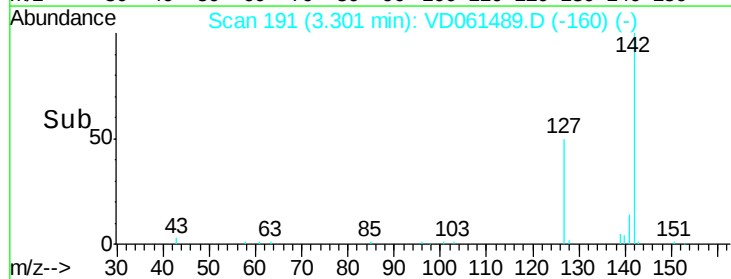
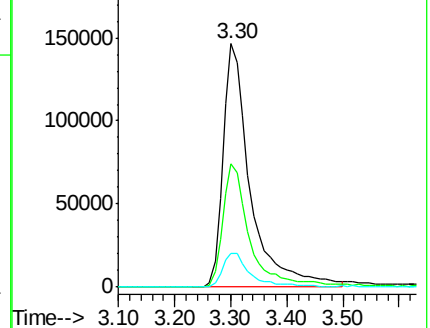
141 13.8 11.5 17.3

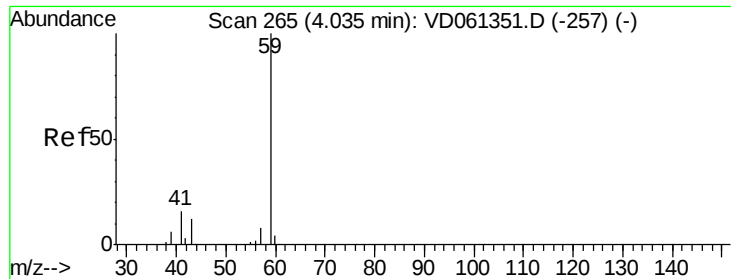


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



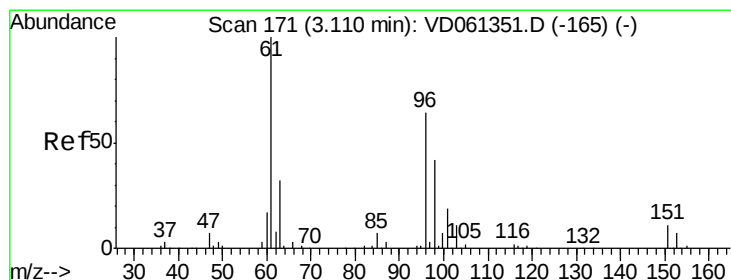
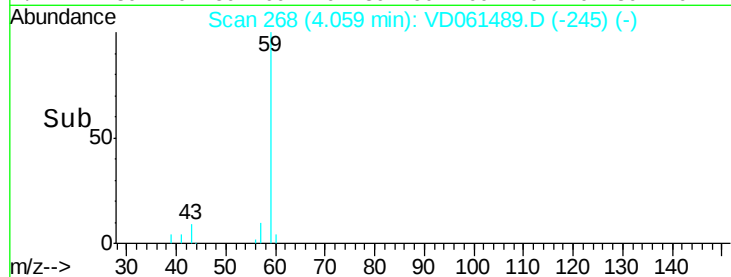
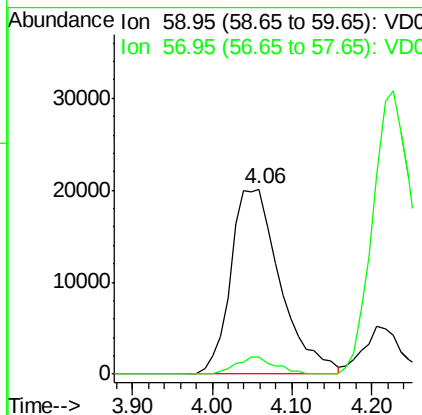
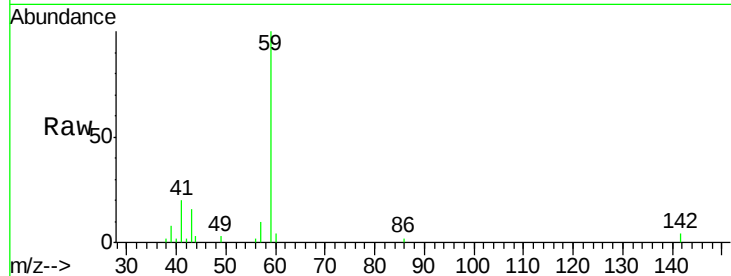


#11

Tert butyl alcohol
 Concen: 274.188 ug/l
 RT: 4.06 min Scan# 268
 Delta R.T. 0.02 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Instrument :
 MSVOA_D
 ClientSampleId :

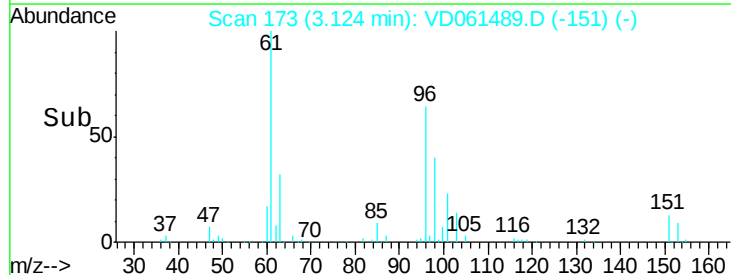
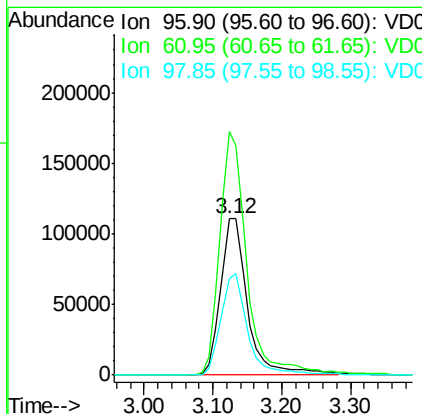
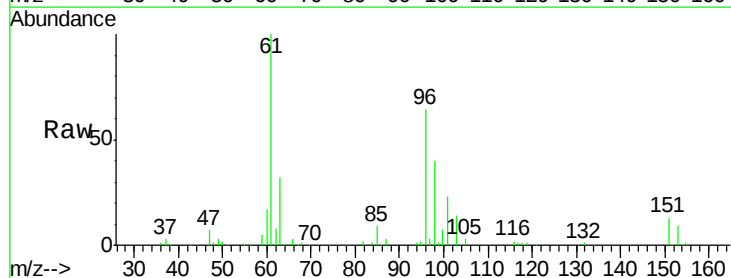
Tot Ion: 59 Resp: 86810
 Ion Ratio Lower Upper
 59 100
 57 9.6 6.7 10.1

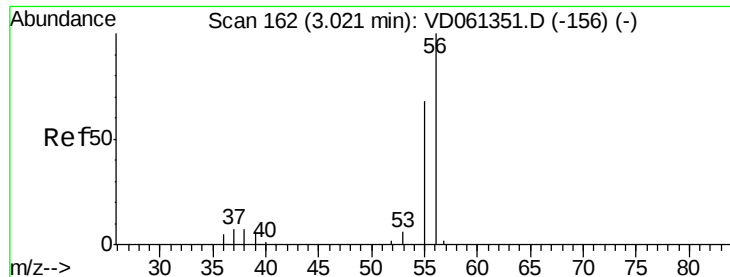


#12

1,1-Dichloroethene
 Concen: 47.231 ug/l
 RT: 3.12 min Scan# 173
 Delta R.T. 0.01 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Tgt Ion: 96 Resp: 301711
 Ion Ratio Lower Upper
 96 100
 61 156.1 124.9 187.3
 98 62.0 52.5 78.7

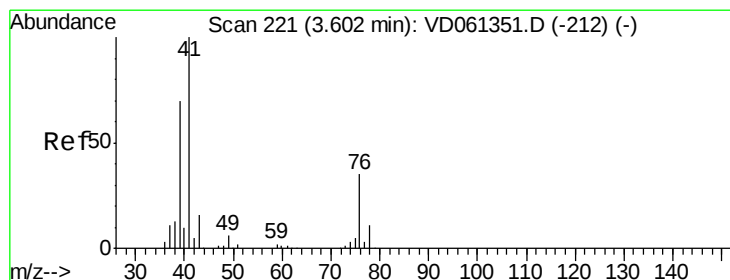
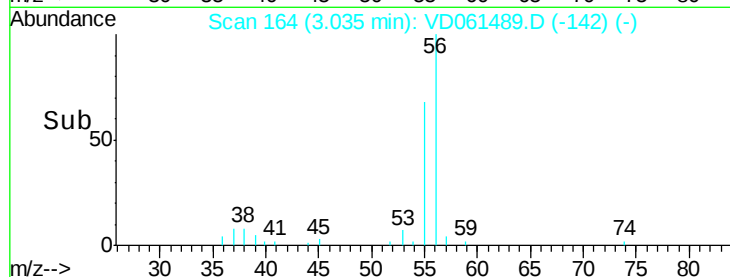
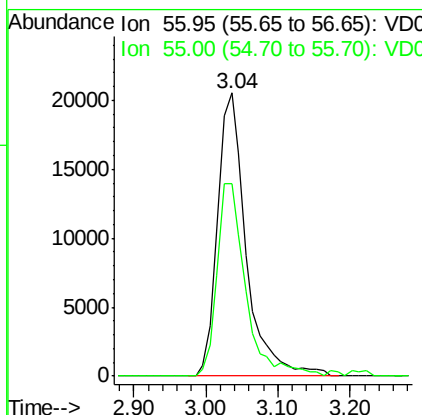
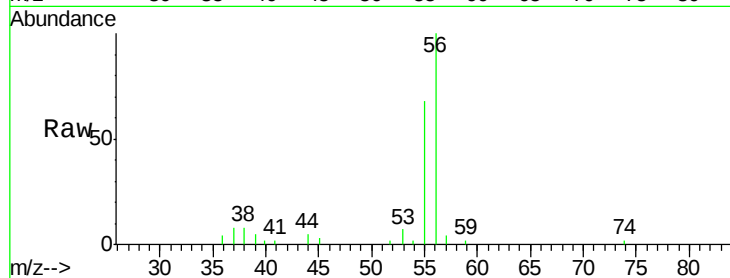




#13
Acrolein
Concen: 231.353 ug/l
RT: 3.04 min Scan# 164
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

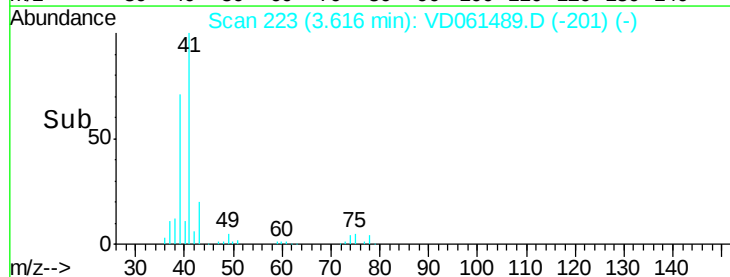
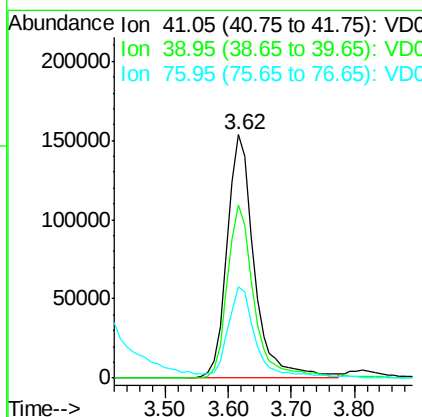
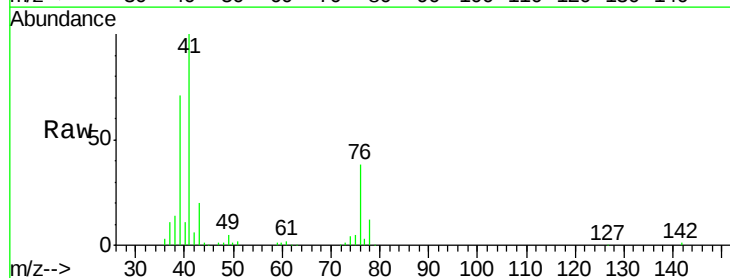
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 56221
Ion Ratio Lower Upper
56 100
55 68.1 54.6 82.0



#14
Allyl chloride
Concen: 51.502 ug/l
RT: 3.62 min Scan# 223
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion: 41 Resp: 458873
Ion Ratio Lower Upper
41 100
39 70.9 55.6 83.4
76 37.5 31.0 46.6





#15

Acrylonitrile

Concen: 257.161 ug/l

RT: 4.19 min Scan# 281

Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampled :

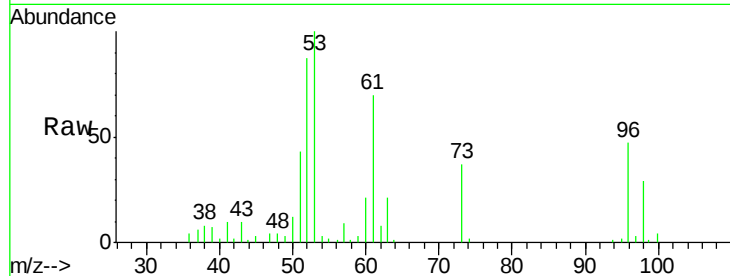
Tot Ion: 53 Resp: 282590

Ion Ratio Lower Upper

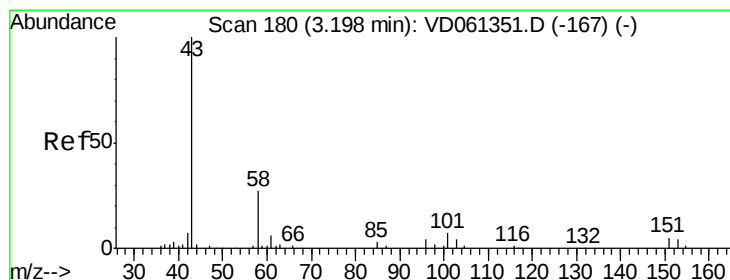
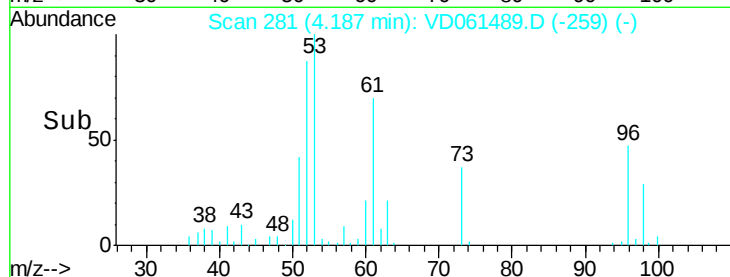
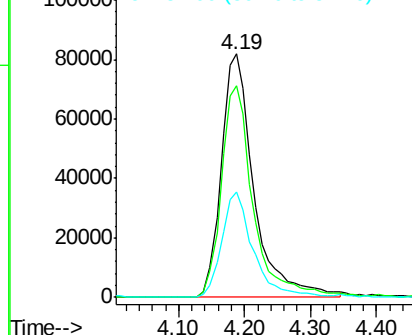
53 100

52 86.7 64.8 97.2

51 43.1 31.4 47.2



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



#16

Acetone

Concen: 225.150 ug/l

RT: 3.21 min Scan# 182

Delta R.T. 0.01 min

Lab File: VD061489.D

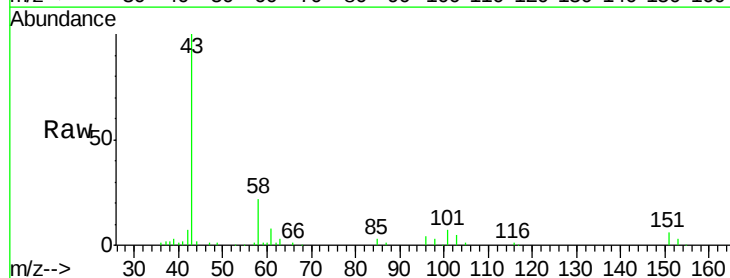
Acq: 2 Apr 2019 2:08

Tgt Ion: 43 Resp: 294247

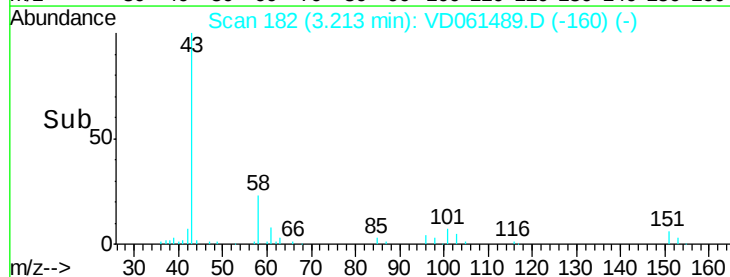
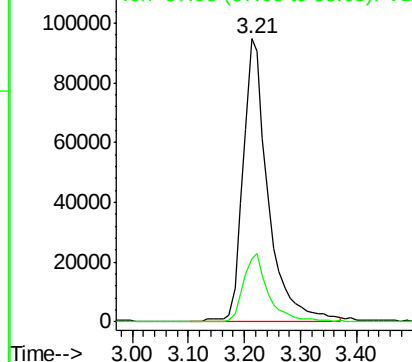
Ion Ratio Lower Upper

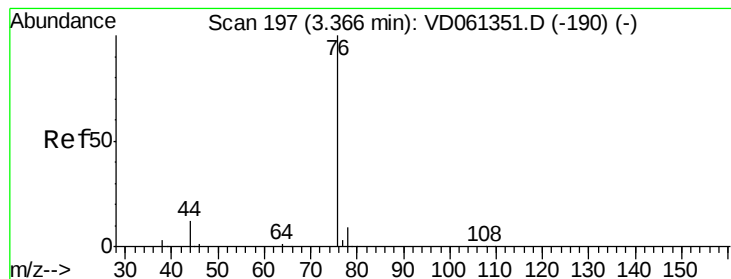
43 100

58 22.5 21.5 32.3



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





#17

Carbon Disulfide

Concen: 41.291 ug/l

RT: 3.37 min Scan# 198

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

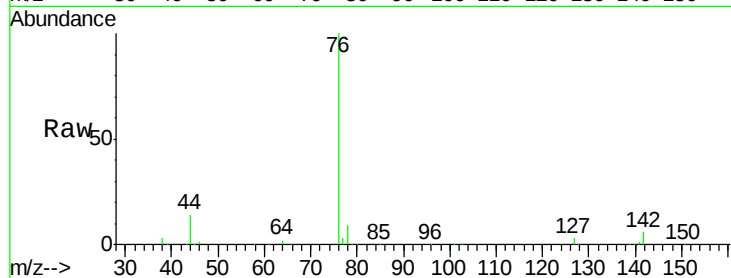
ClientSampleId :

Tot Ion: 76 Resp: 856977

Ion Ratio Lower Upper

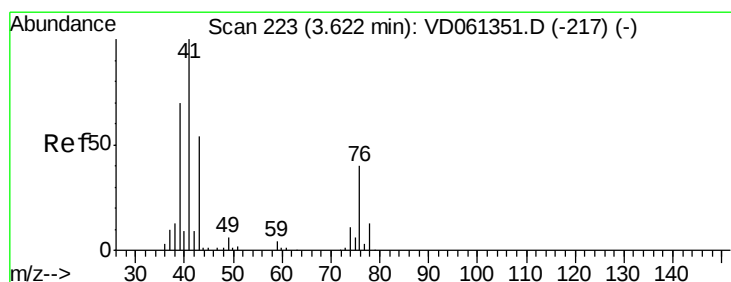
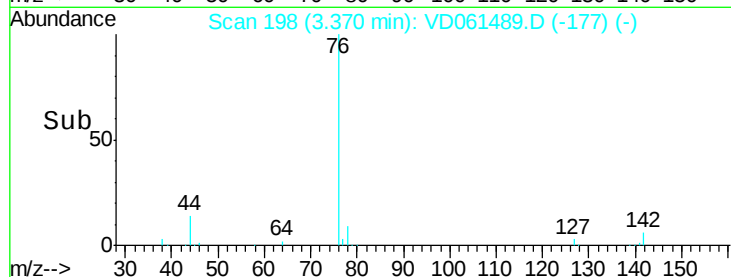
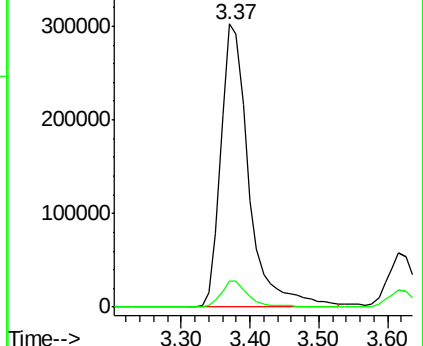
76 100

78 9.2 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: 53.938 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.01 min

Lab File: VD061489.D

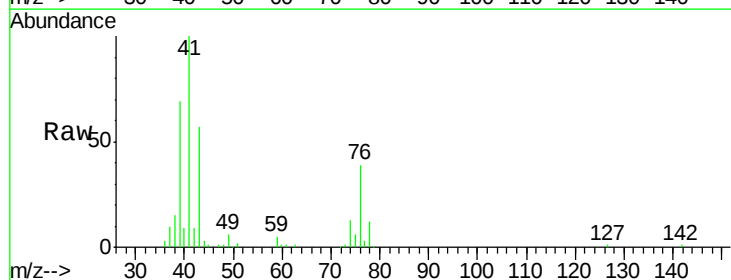
Acq: 2 Apr 2019 2:08

Tgt Ion: 43 Resp: 148211

Ion Ratio Lower Upper

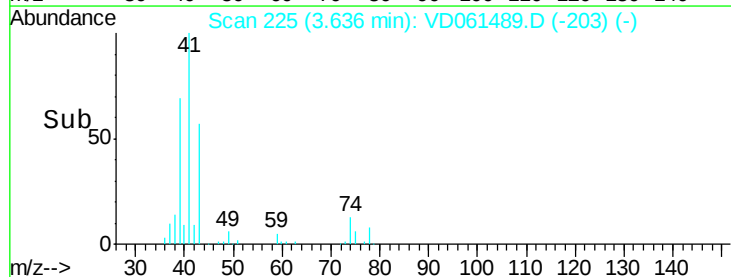
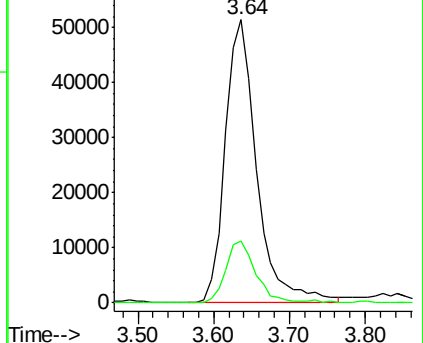
43 100

74 21.8 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

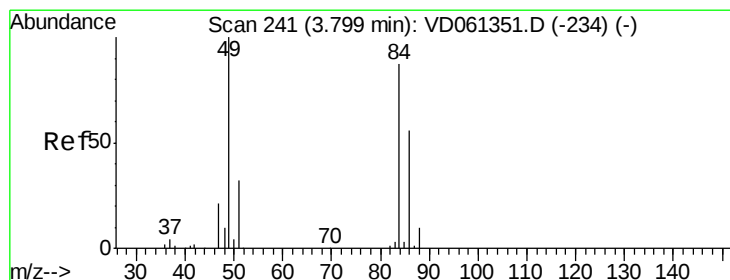
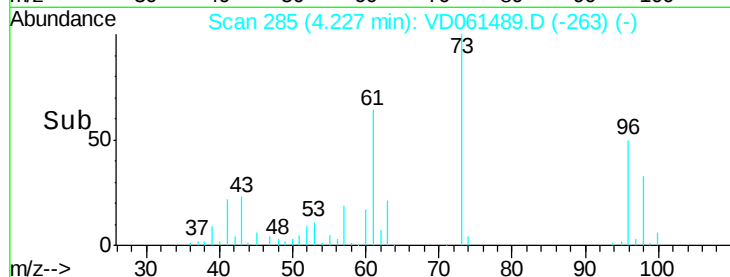
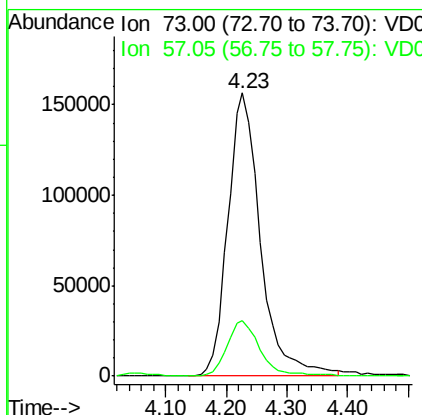
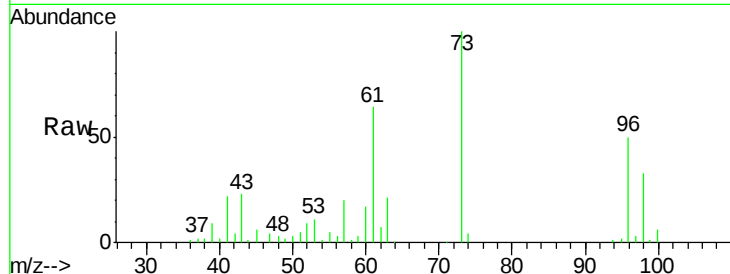




#19
Methvl tert-butvl Ether
Concen: 53.038 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

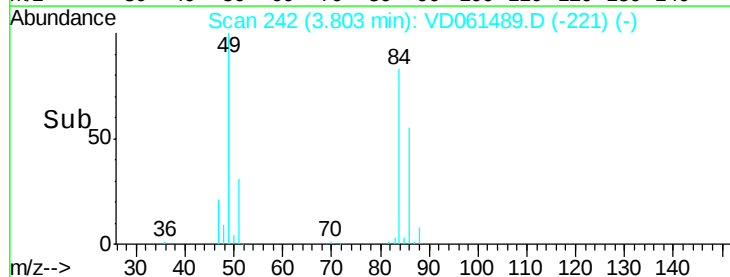
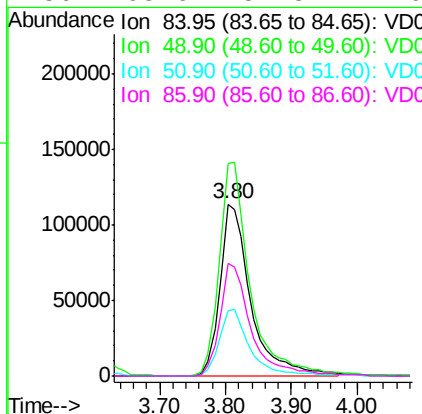
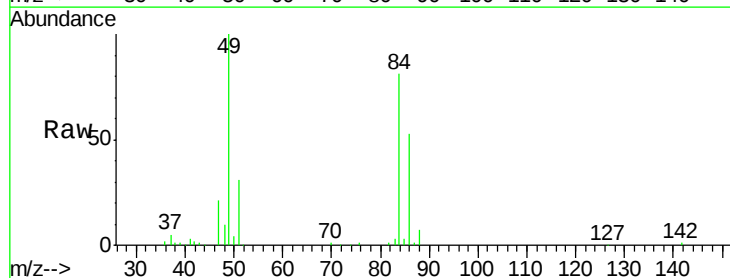
Instrument :
MSVOA_D
ClientSampleId :

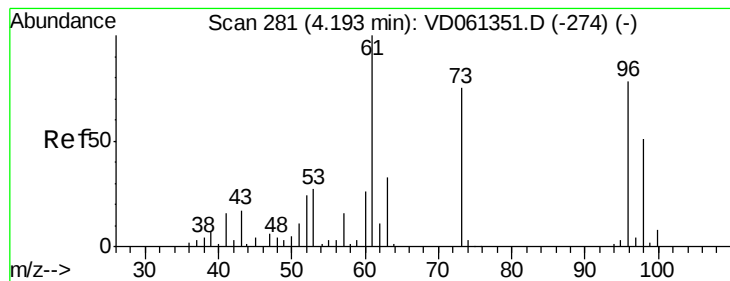
Tot Ion: 73 Resp: 586477
Ion Ratio Lower Upper
73 100
57 19.7 16.4 24.6



#20
Methylene Chloride
Concen: 50.879 ug/l
RT: 3.80 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion: 84 Resp: 372249
Ion Ratio Lower Upper
84 100
49 123.4 91.8 137.8
51 37.7 29.8 44.8
86 65.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 47.964 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampled :

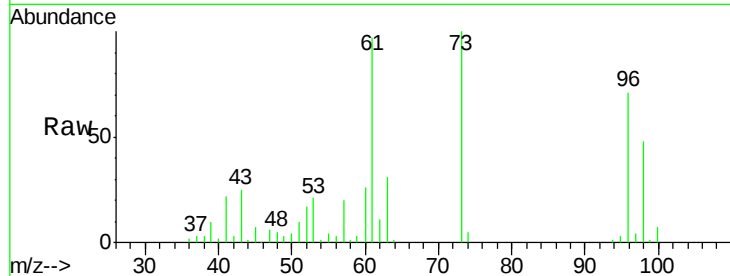
Tot Ion: 96 Resp: 330790

Ion Ratio Lower Upper

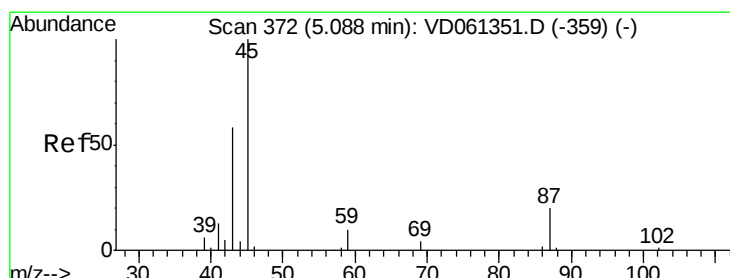
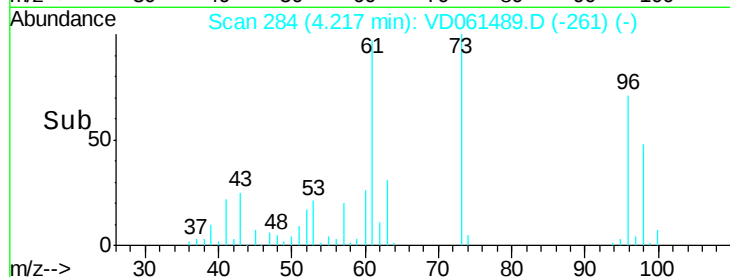
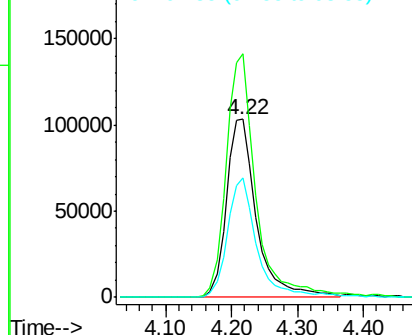
96 100

61 136.9 102.7 154.1

98 67.4 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: 54.976 ug/l

RT: 5.10 min Scan# 374

Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Tgt Ion: 45 Resp: 1036532

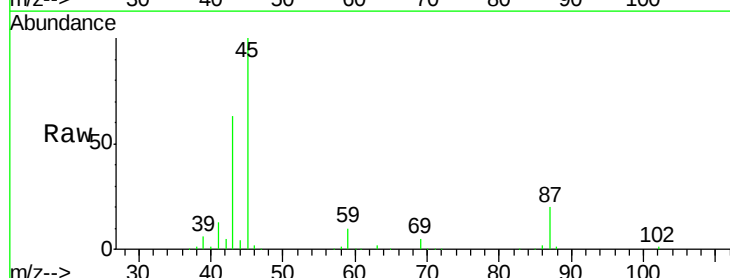
Ion Ratio Lower Upper

45 100

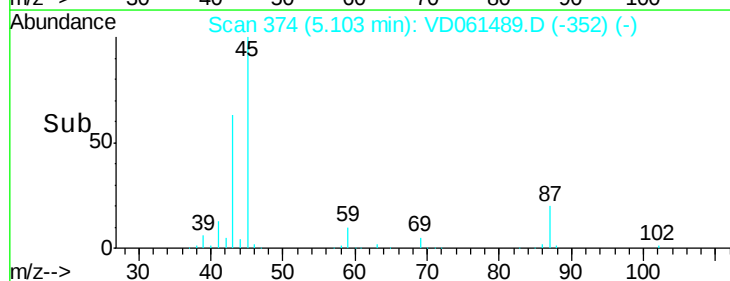
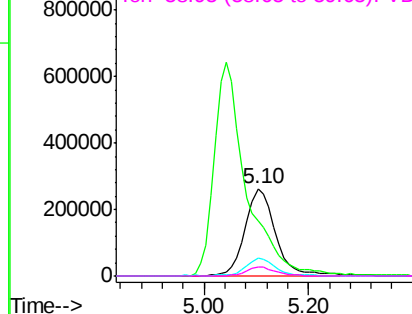
43 63.2 47.4 71.2

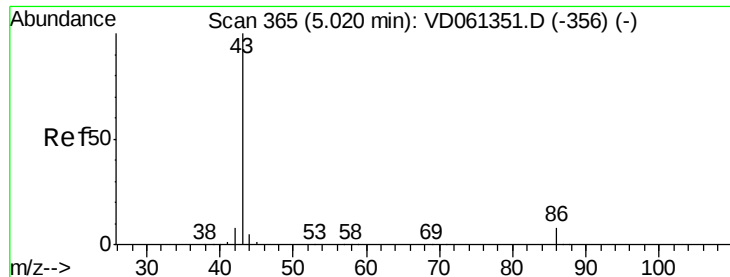
87 19.9 16.3 24.5

59 9.8 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: 262.459 ug/l

RT: 5.04 min Scan# 368

Delta R.T. 0.02 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

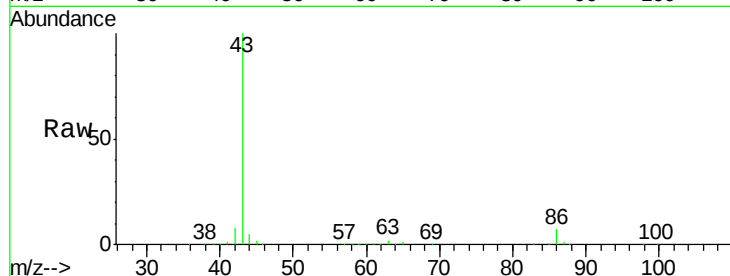
Instrument :

MSVOA_D

ClientSampleId :

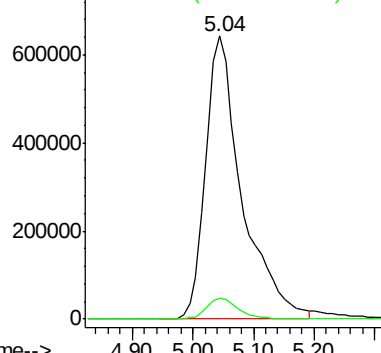
Tot Ion: 43 Resp: 2687997

Ion	Ratio	Lower	Upper
43	100		
86	7.4	6.7	10.1

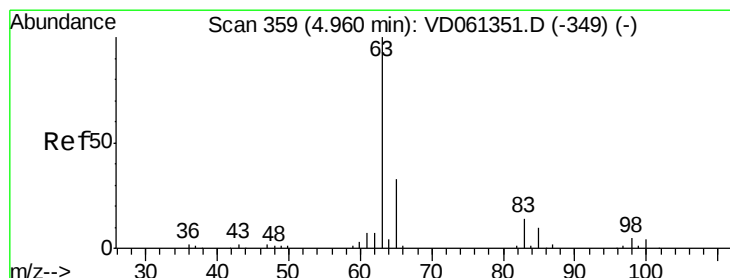
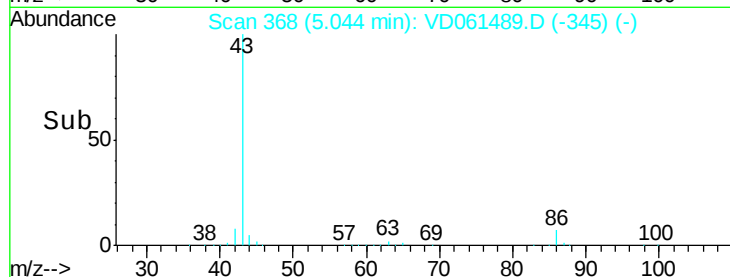


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 52.422 ug/l

RT: 4.97 min Scan# 361

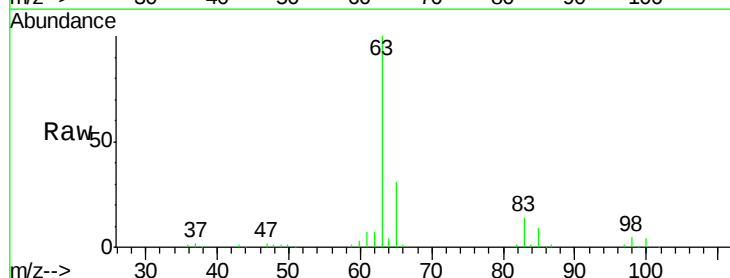
Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Tgt Ion: 63 Resp: 580863

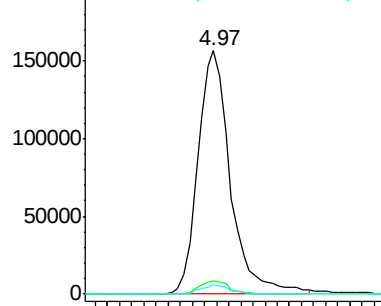
Ion	Ratio	Lower	Upper
63	100		
98	5.4	2.6	8.0
100	3.9	1.8	5.3



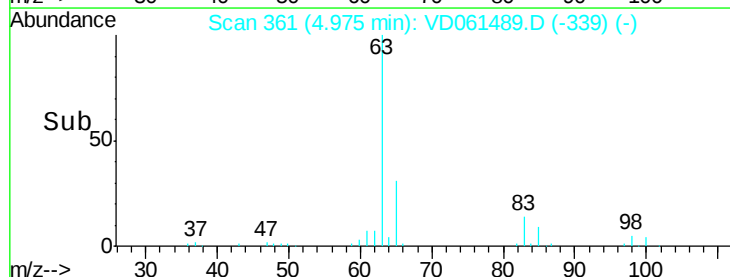
Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC



Time-->





#25

2-Butanone

Concen: 243.701 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.02 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

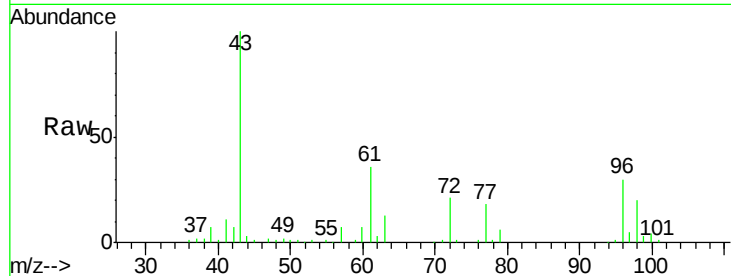
ClientSampled :

Tot Ion: 43 Resp: 400634

Ion Ratio Lower Upper

43 100

72 20.8 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC

6.06

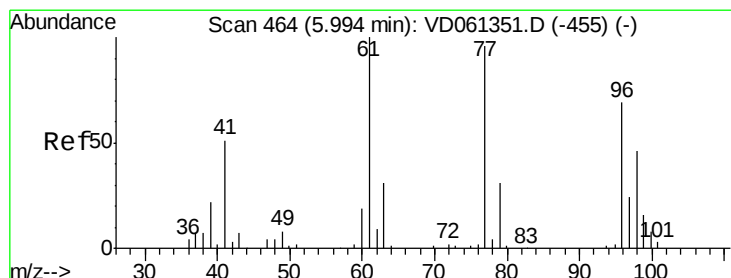
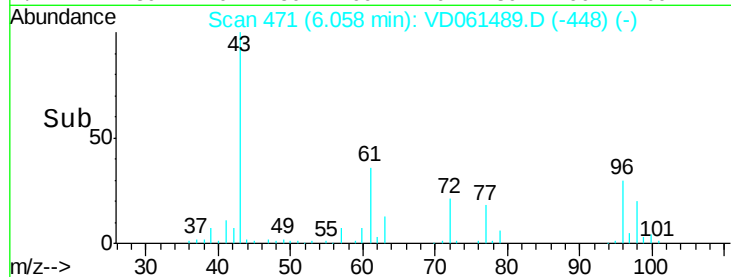
150000

100000

50000

0

Time--> 5.90 6.00 6.10



#26

2,2-Dichloropropane

Concen: 50.157 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.01 min

Lab File: VD061489.D

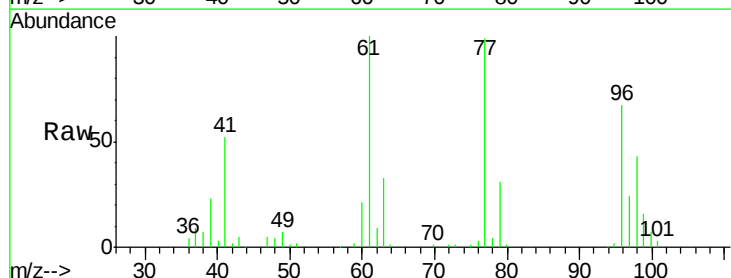
Acq: 2 Apr 2019 2:08

Tgt Ion: 77 Resp: 441803

Ion Ratio Lower Upper

77 100

97 24.6 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC

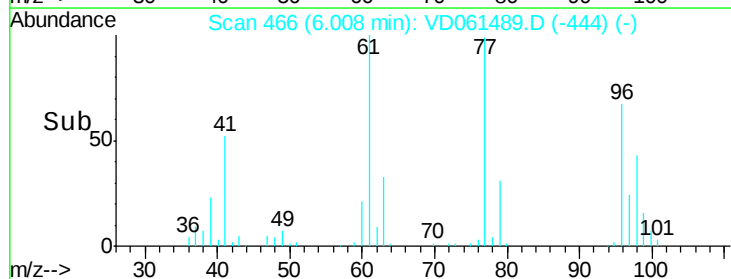
6.01

100000

50000

0

Time--> 5.80 5.90 6.00 6.10 6.20



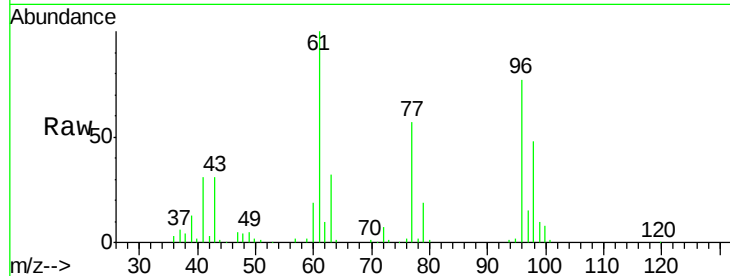


#27

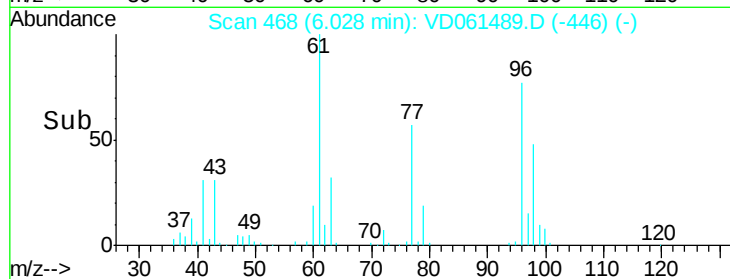
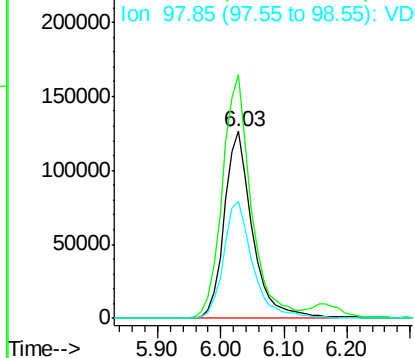
cis-1,2-Dichloroethene
Concen: 51.602 ug/l
RT: 6.03 min Scan# 468
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 389914
Ion Ratio Lower Upper
96 100
61 130.3 0.0 251.6
98 62.6 0.0 129.2



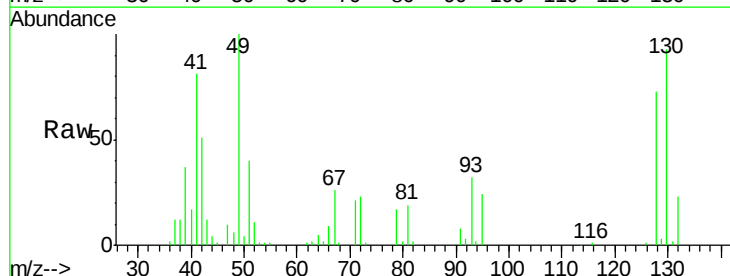
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



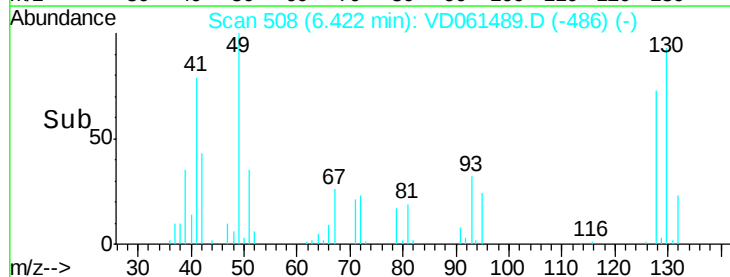
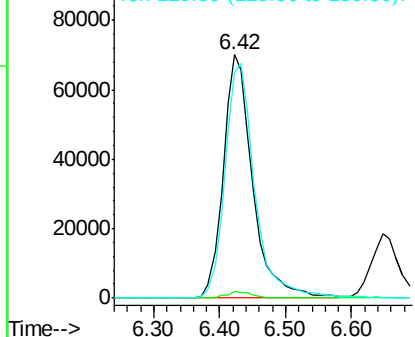
#28

Bromochloromethane
Concen: 48.653 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion: 49 Resp: 217619
Ion Ratio Lower Upper
49 100
129 2.6 0.0 0.0#
130 92.6 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

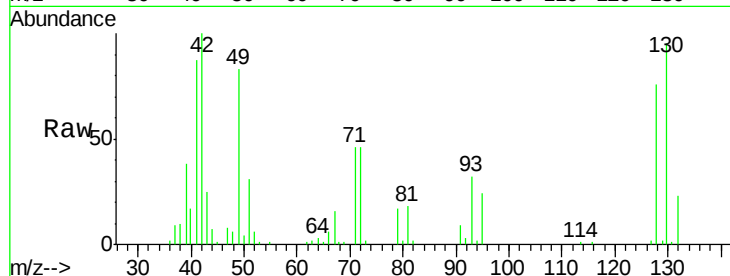




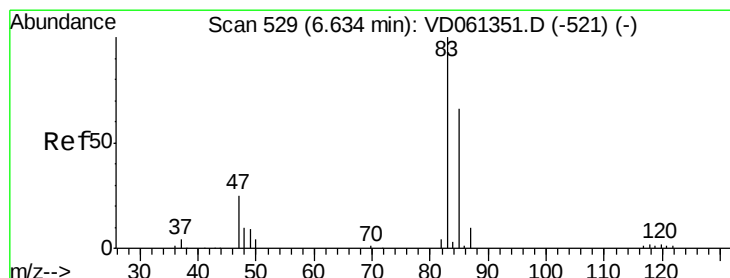
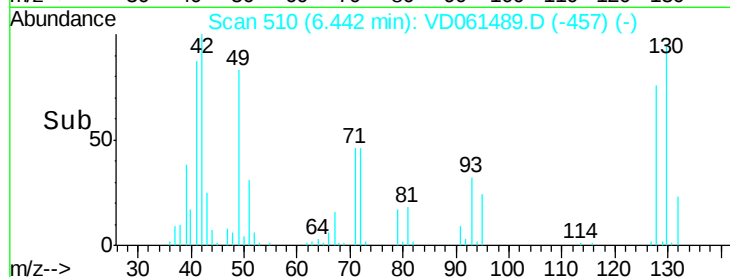
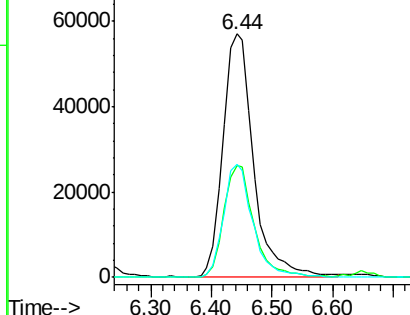
#29
Tetrahydrofuran
Concen: 252.526 ug/l
RT: 6.44 min Scan# 510
Delta R.T. 0.02 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 42 Resp: 201217
Ion Ratio Lower Upper
42 100
72 45.1 37.4 56.0
71 44.4 36.7 55.1

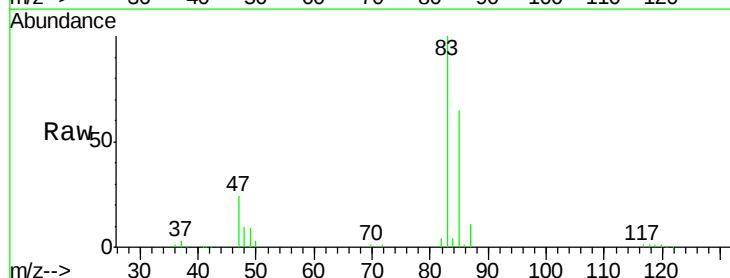


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

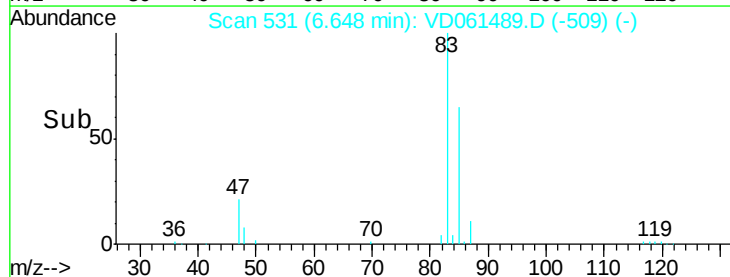
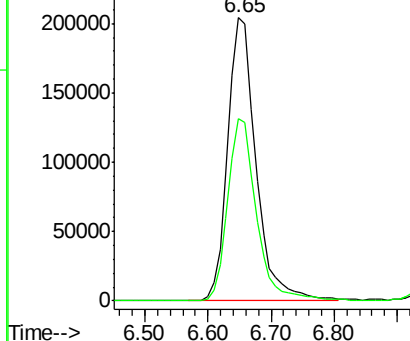


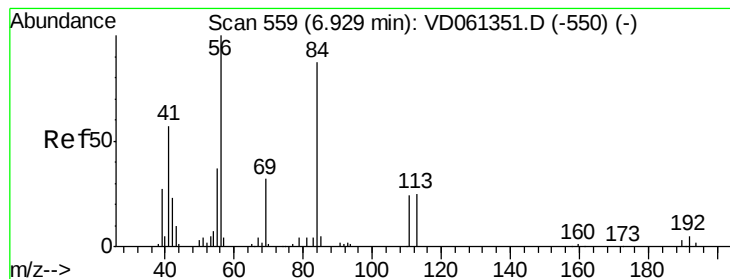
#30
Chloroform
Concen: 55.389 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion: 83 Resp: 634159
Ion Ratio Lower Upper
83 100
85 64.6 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: 47.949 ug/l

RT: 6.94 min Scan# 561

Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

ClientSampled :

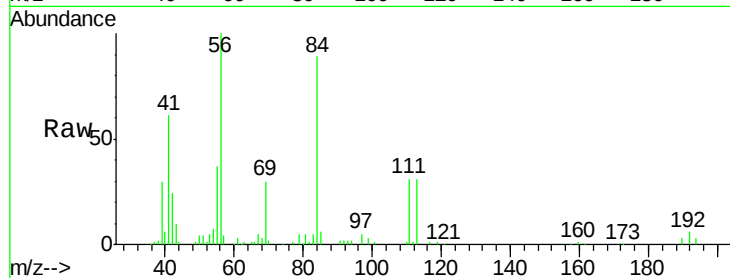
Tot Ion: 56 Resp: 419849

Ion Ratio Lower Upper

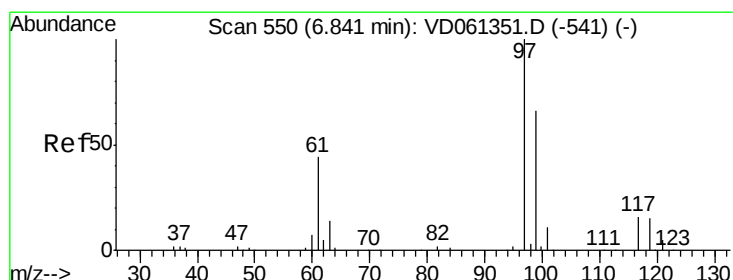
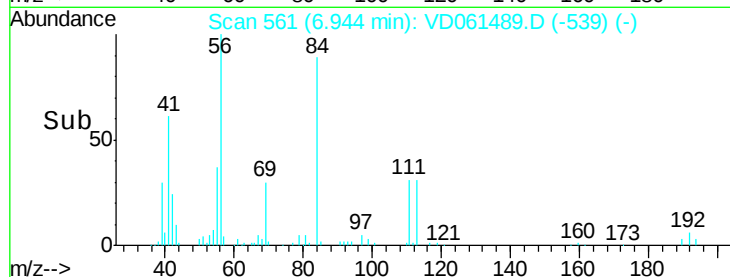
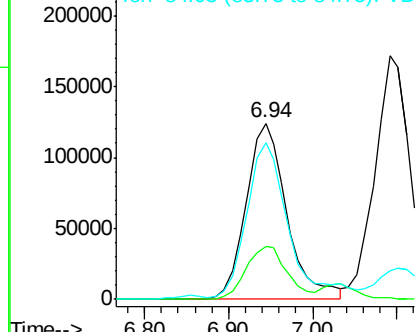
56 100

69 30.1 25.7 38.5

84 88.7 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: 53.263 ug/l

RT: 6.86 min Scan# 552

Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

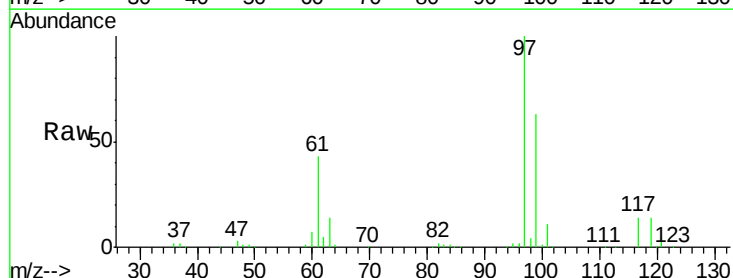
Tgt Ion: 97 Resp: 537992

Ion Ratio Lower Upper

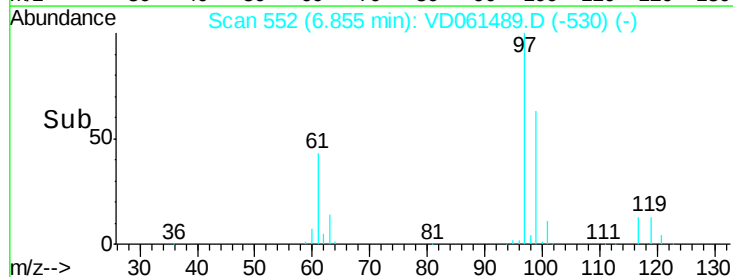
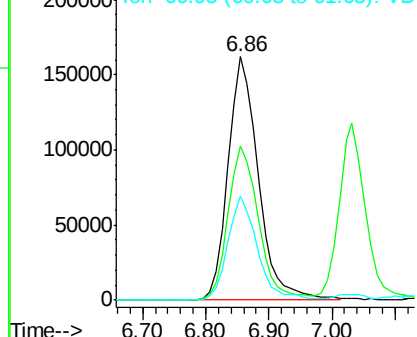
97 100

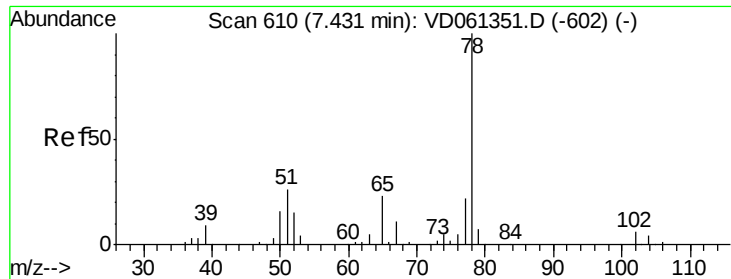
99 63.1 53.1 79.7

61 42.7 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: 53.263 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

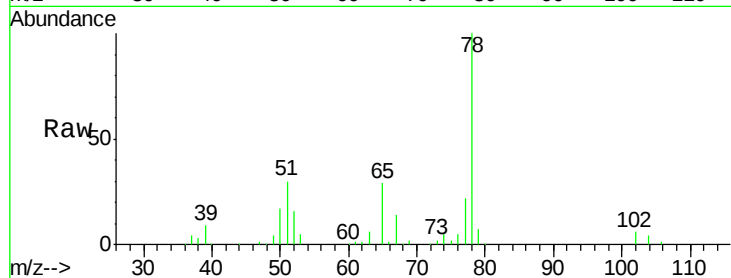
ClientSampleId :

Tot Ion: 65 Resp: 284110

Ion Ratio Lower Upper

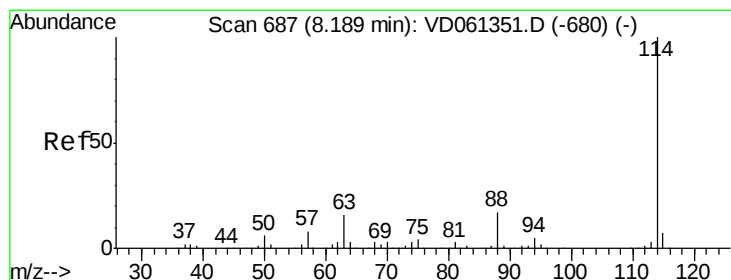
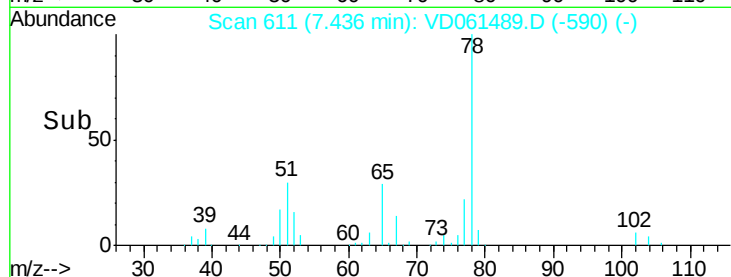
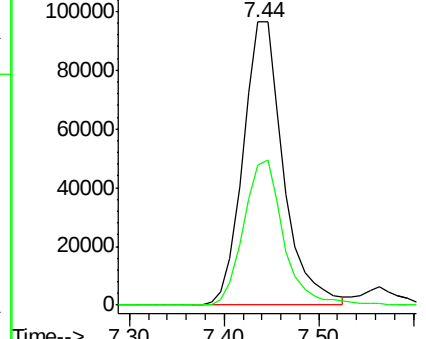
65 100

67 49.6 0.0 99.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.20 min Scan# 689

Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

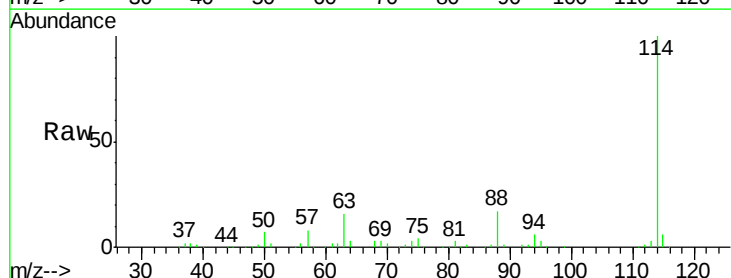
Tgt Ion: 114 Resp: 989627

Ion Ratio Lower Upper

114 100

63 15.8 0.0 31.6

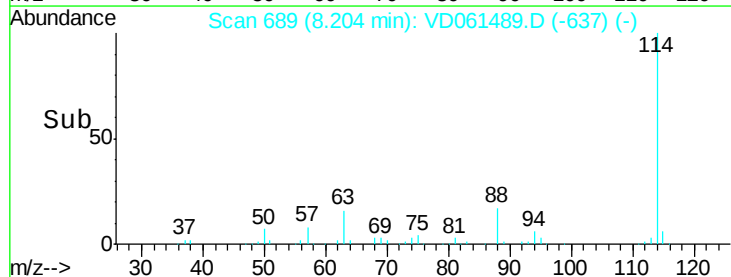
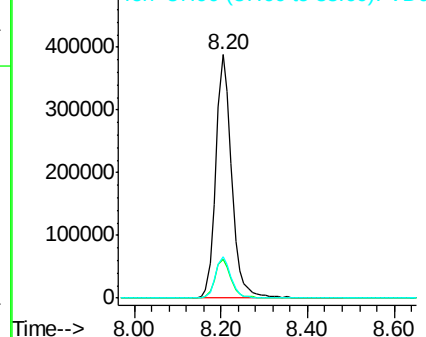
88 16.9 0.0 33.4

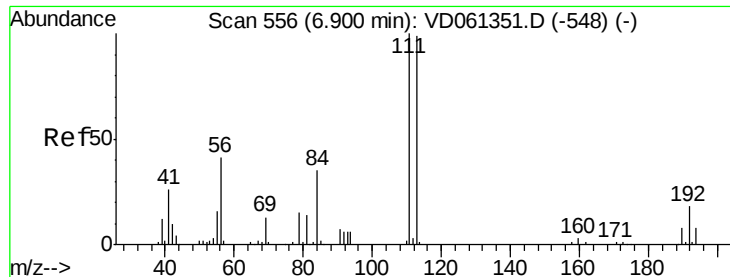


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

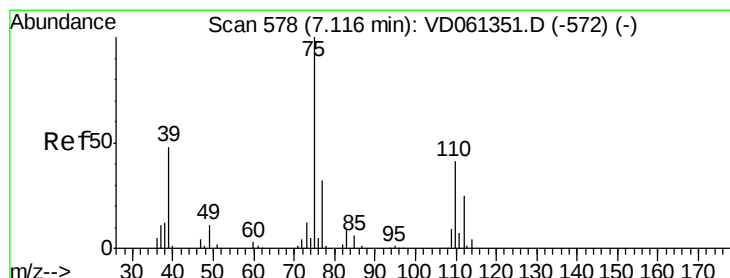
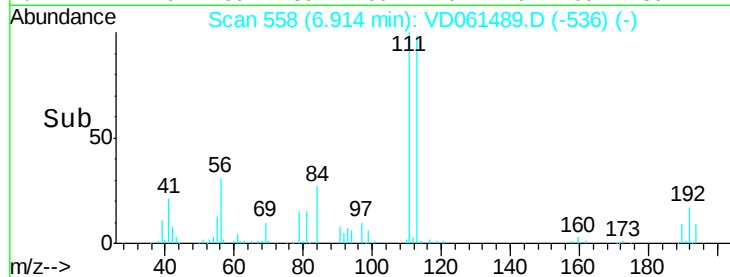
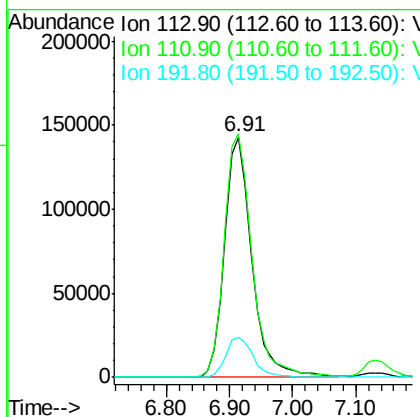
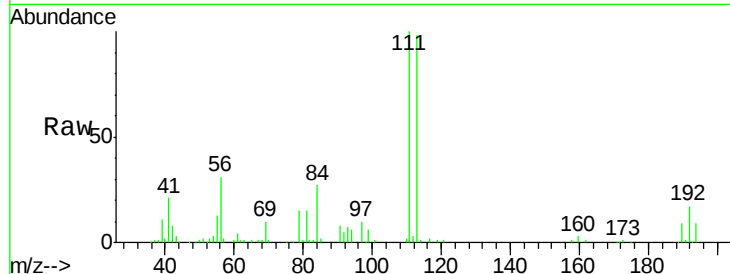




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.91 min Scan# 558
 Delta R.T. 0.01 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

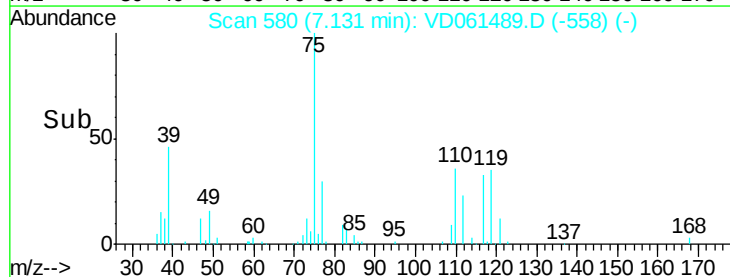
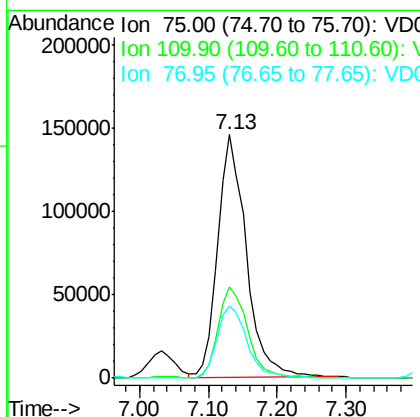
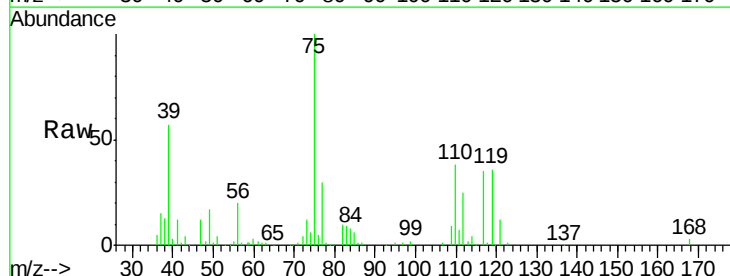
Instrument :
 MSVOA_D
 ClientSampleId :

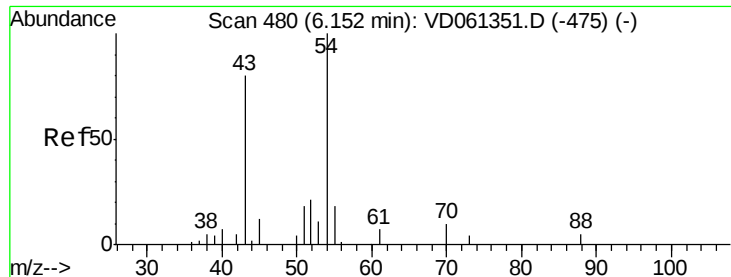
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.0	121.6
192	17.0	14.4	21.6



#36
 1,1-Dichloropropene
 Concen: 48.467 ug/l
 RT: 7.13 min Scan# 580
 Delta R.T. 0.01 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	20.4	61.3
77	29.8	24.9	37.3

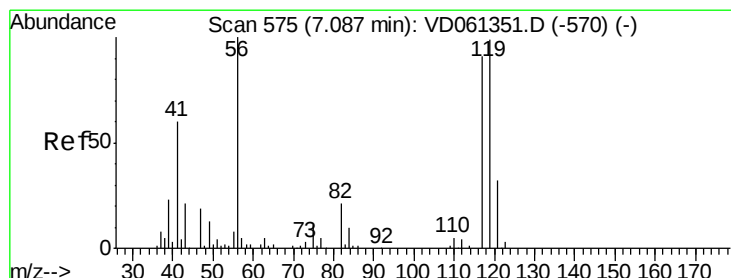
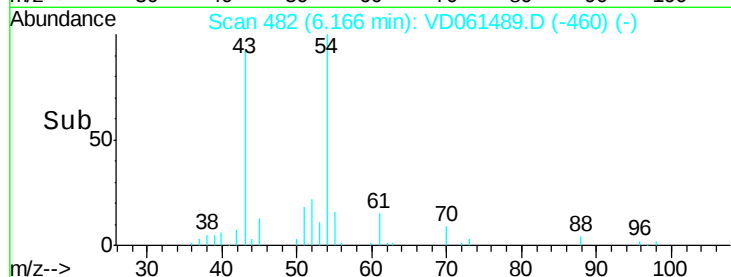
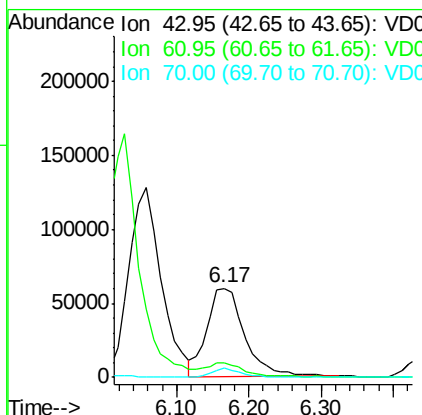
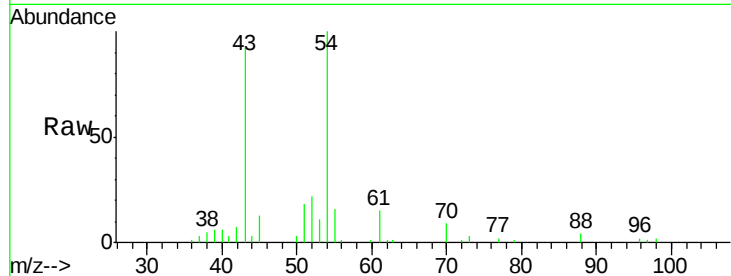




#37
Ethyl Acetate
Concen: 57.954 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

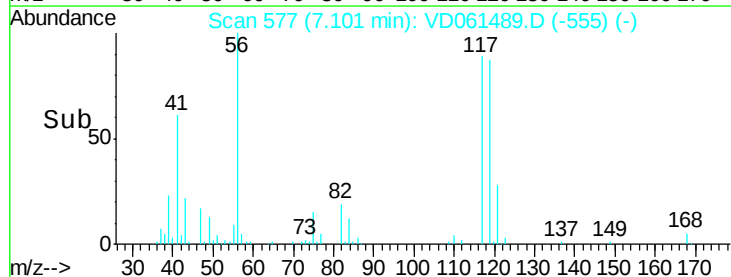
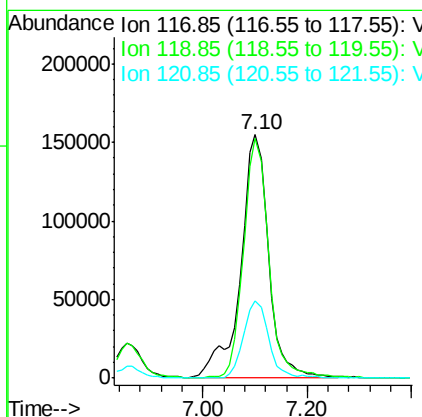
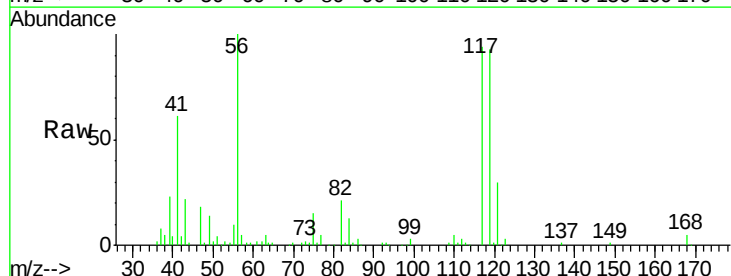
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 214078
Ion Ratio Lower Upper
43 100
61 16.8 13.8 20.8
70 10.0 7.8 11.8



#38
Carbon Tetrachloride
Concen: 56.092 ug/l
RT: 7.10 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion: 117 Resp: 556712
Ion Ratio Lower Upper
117 100
119 98.3 80.1 120.1
121 31.5 25.6 38.4





#39

Methvlcvclohexane

Concen: 48.651 ug/l

RT: 8.84 min Scan# 754

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

ClientSampleId :

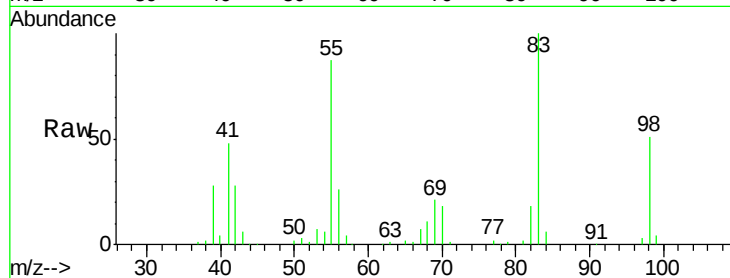
Tot Ion: 83 Resp: 437647

Ion Ratio Lower Upper

83 100

55 86.5 71.5 107.3

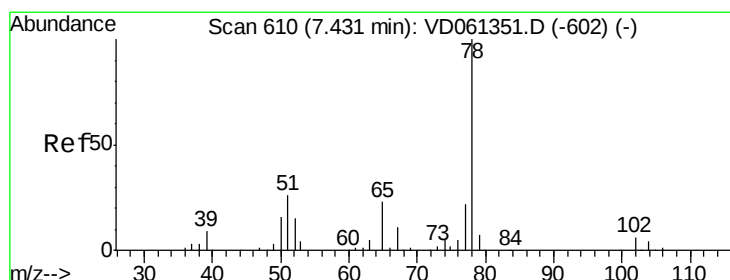
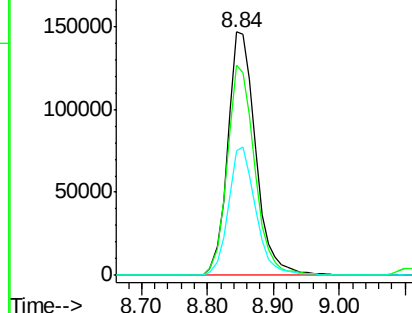
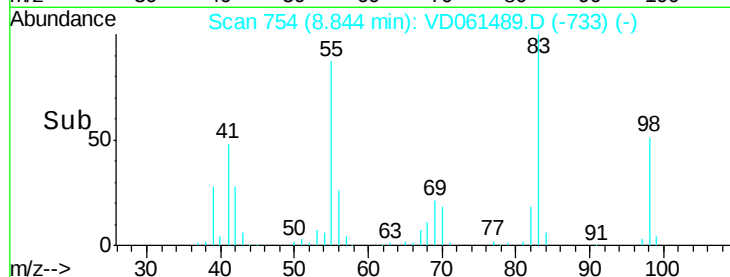
98 51.3 40.3 60.5



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 50.591 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD061489.D

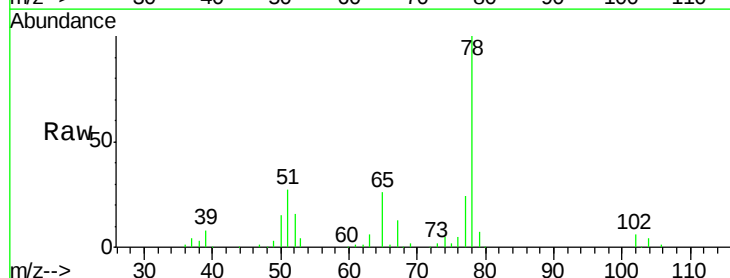
Acq: 2 Apr 2019 2:08

Tgt Ion: 78 Resp: 1096669

Ion Ratio Lower Upper

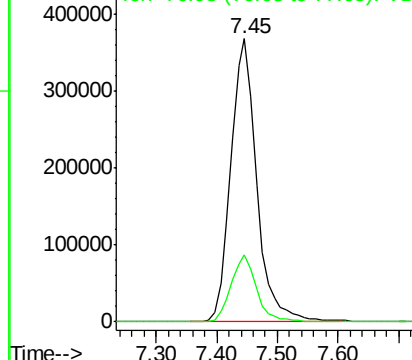
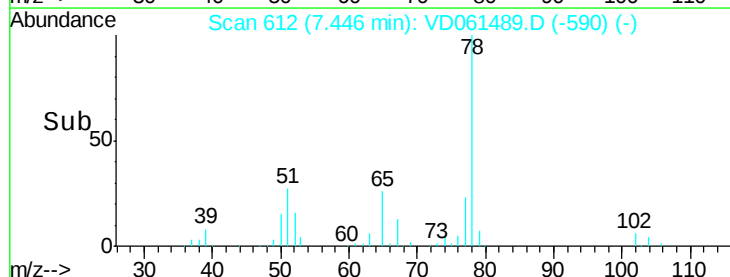
78 100

77 23.6 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

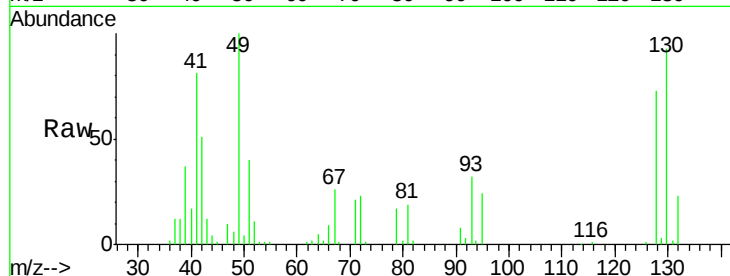




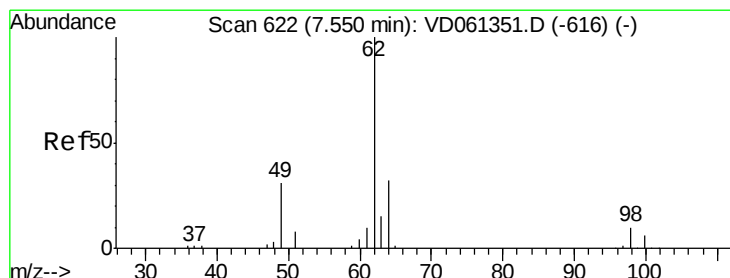
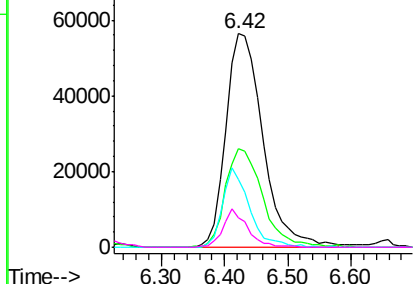
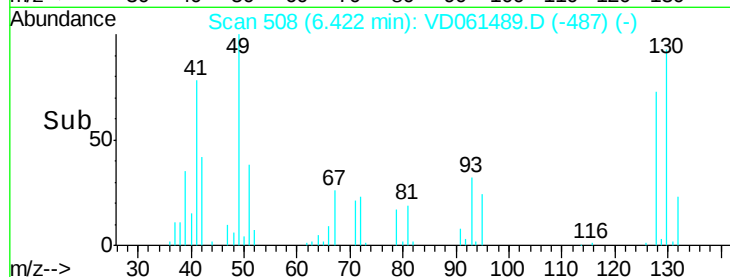
#41
Methacrylonitrile
Concen: 53.234 ug/l
RT: 6.42 min Scan# 508
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 229921
Ion Ratio Lower Upper
41 100
39 45.9 35.0 52.6
67 32.0 21.0 31.6#
52 13.6 7.7 11.5#

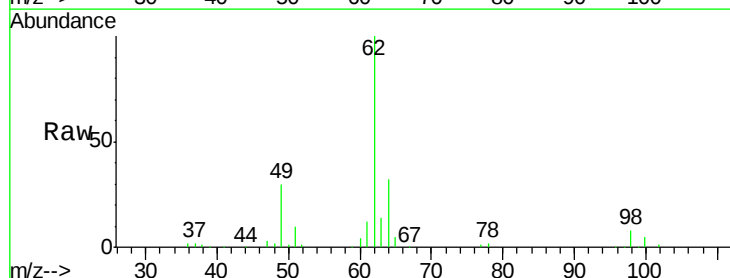


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

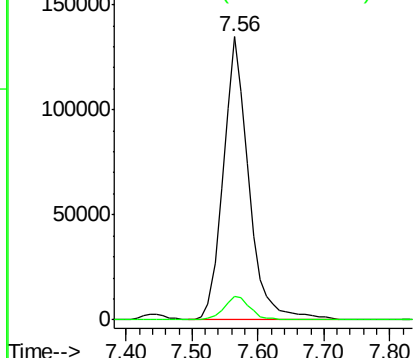
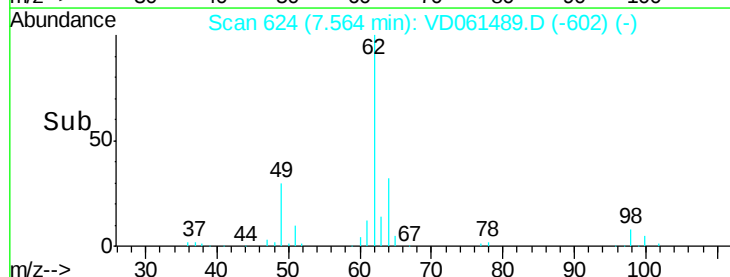


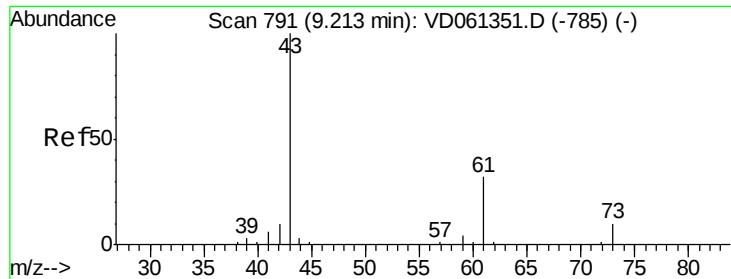
#42
1,2-Dichloroethane
Concen: 56.312 ug/l
RT: 7.56 min Scan# 624
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion: 62 Resp: 365133
Ion Ratio Lower Upper
62 100
98 8.3 0.0 19.8



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



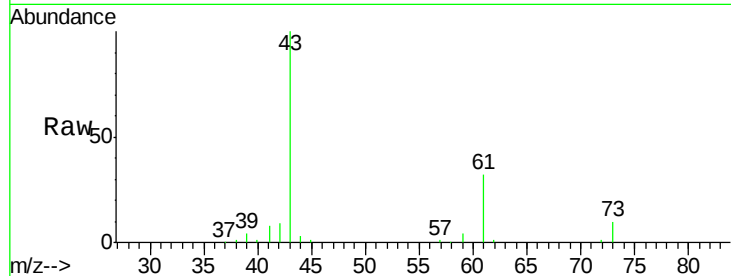


#43

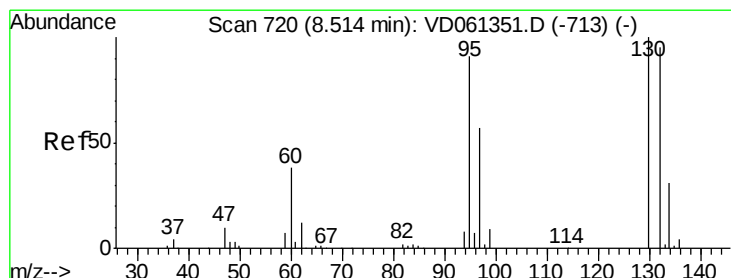
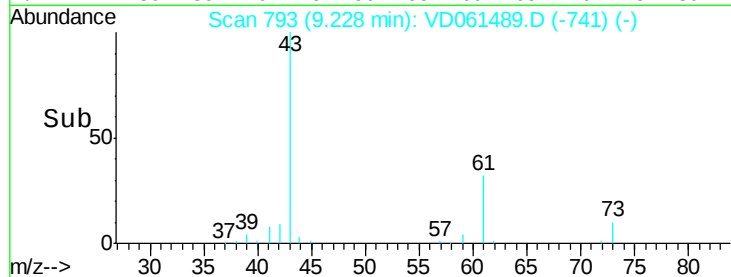
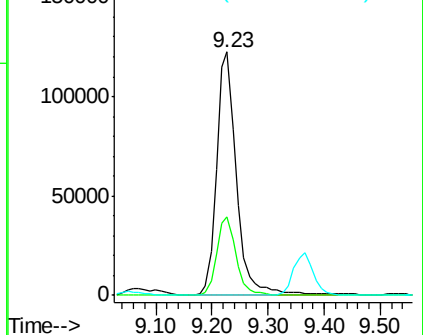
Isopropyl Acetate
 Concen: 55.926 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.01 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 43 Resp: 300578
 Ion Ratio Lower Upper
 43 100
 61 32.4 25.8 38.6
 87 0.0 0.0 0.0



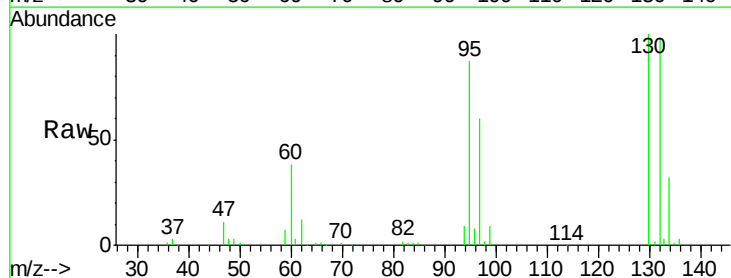
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



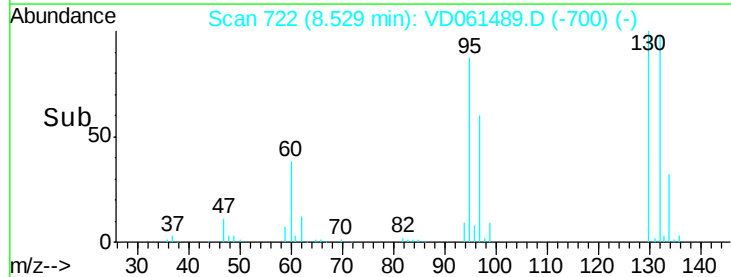
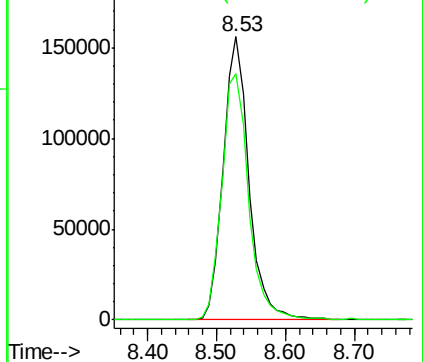
#44

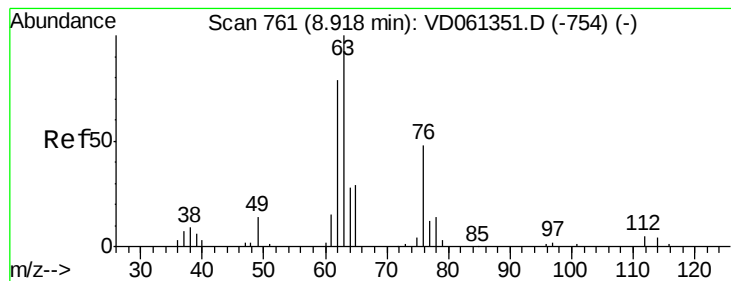
Trichloroethene
 Concen: 50.200 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. 0.01 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Tgt Ion:130 Resp: 404963
 Ion Ratio Lower Upper
 130 100
 95 87.2 0.0 181.4



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





#45

1,2-Dichloropropane

Concen: 53.313 ug/l

RT: 8.92 min Scan# 762

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

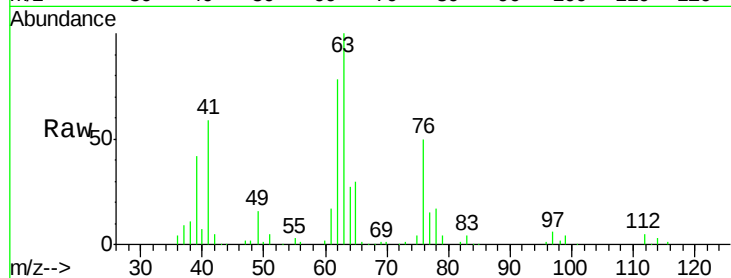
ClientSampleId :

Tot Ion: 63 Resp: 293045

Ion Ratio Lower Upper

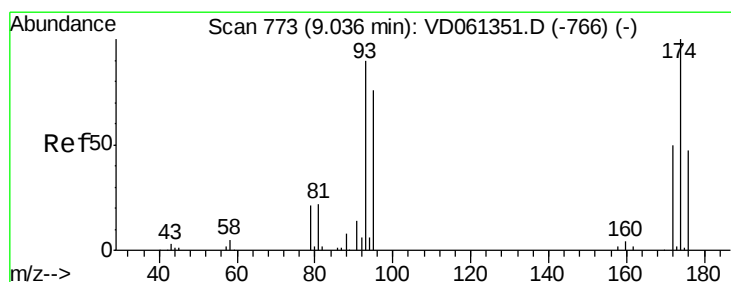
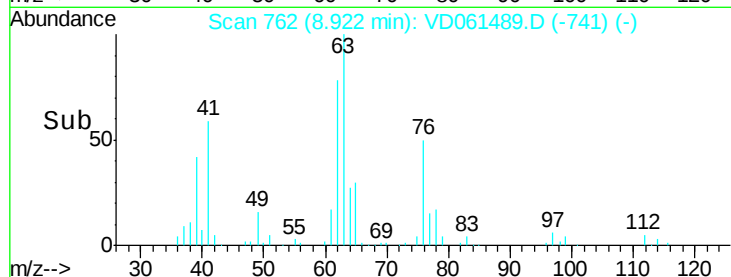
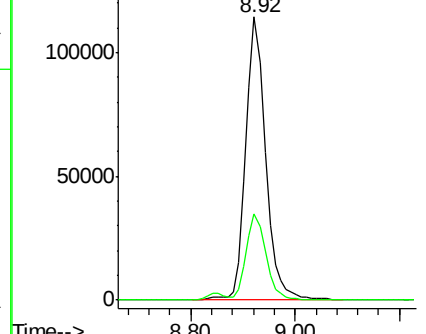
63 100

65 30.4 25.0 37.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 57.602 ug/l

RT: 9.05 min Scan# 775

Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

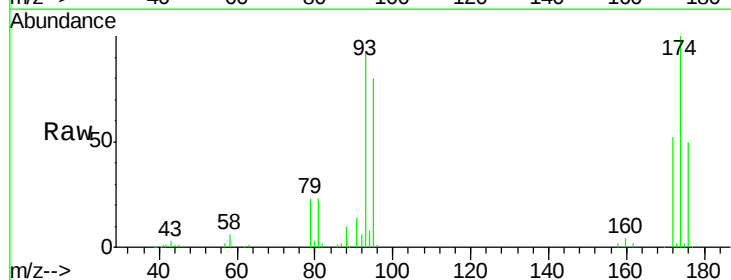
Tgt Ion: 93 Resp: 213109

Ion Ratio Lower Upper

93 100

95 87.1 67.4 101.0

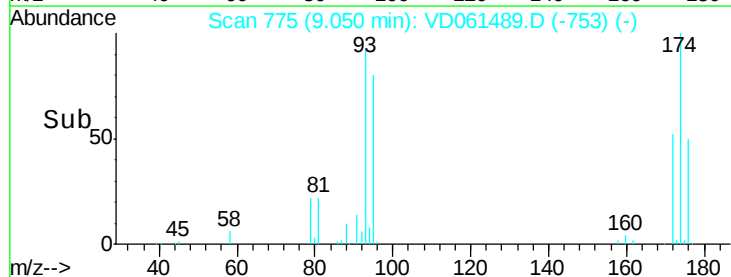
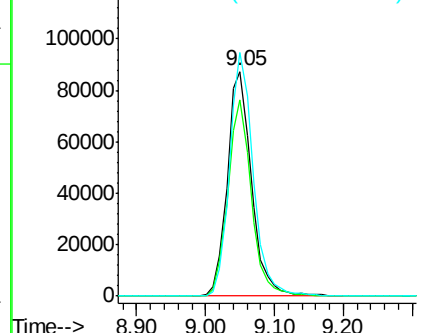
174 108.3 88.9 133.3



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): VDC





#47

Bromodichloromethane

Concen: 60.067 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampled :

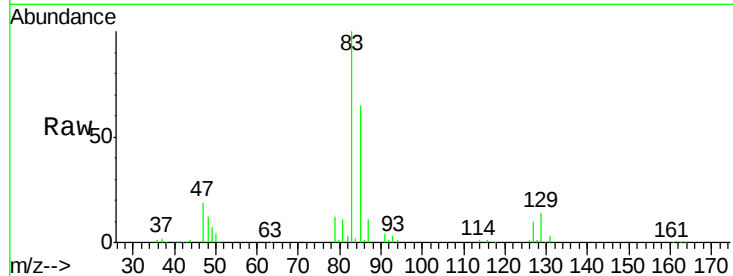
Tot Ion: 83 Resp: 498781

Ion Ratio Lower Upper

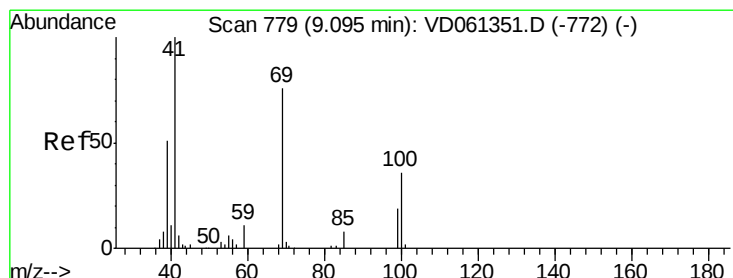
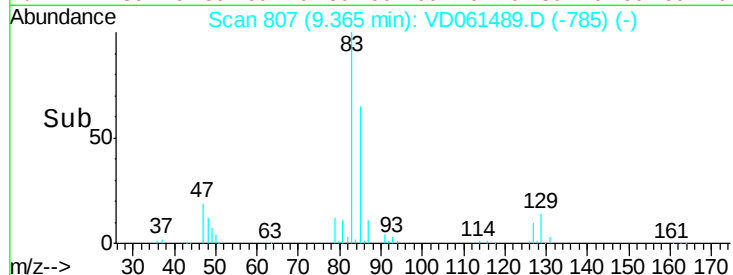
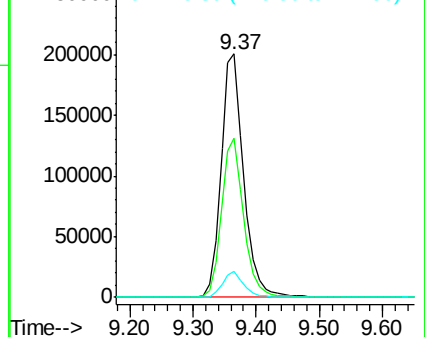
83 100

85 65.2 53.0 79.4

127 10.5 8.4 12.6



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



#48

Methyl methacrylate

Concen: 55.809 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

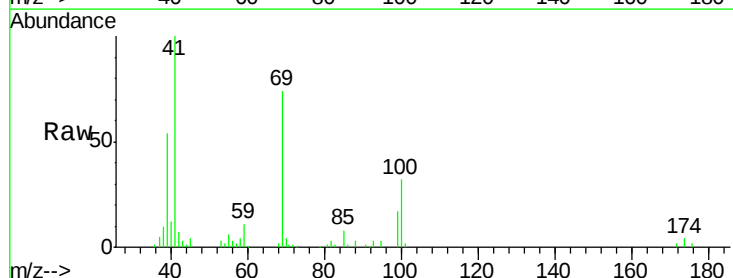
Tgt Ion: 41 Resp: 165540

Ion Ratio Lower Upper

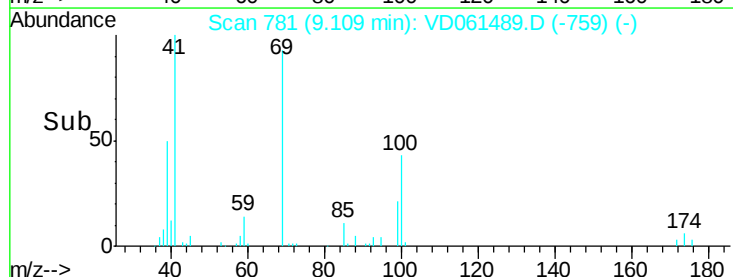
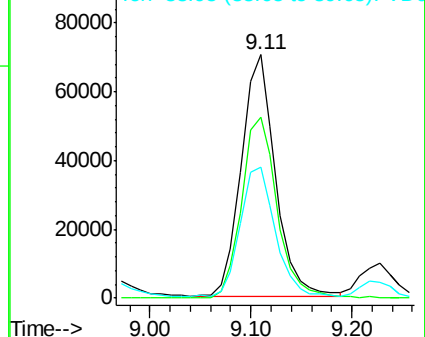
41 100

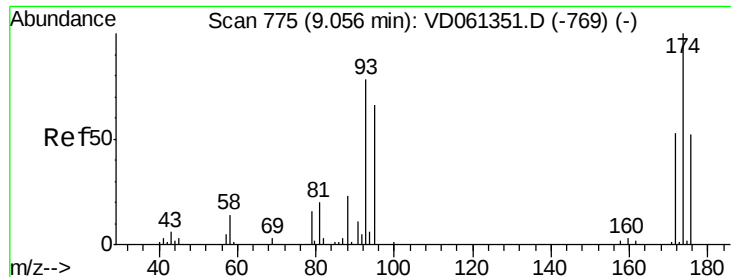
69 74.2 60.2 90.4

39 54.0 41.4 62.2



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





#49

1,4-Dioxane

Concen: 1153.785 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

ClientSampleId :

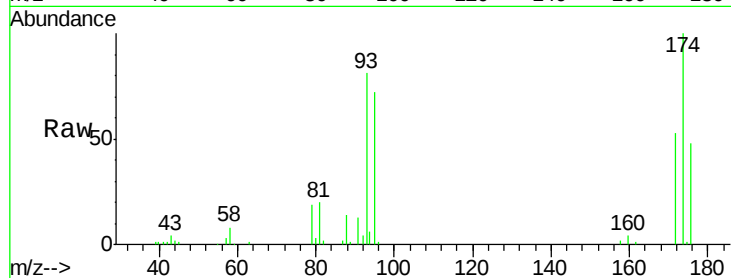
Tot Ion: 88 Resp: 37748

Ion Ratio Lower Upper

88 100

43 28.4 23.3 34.9

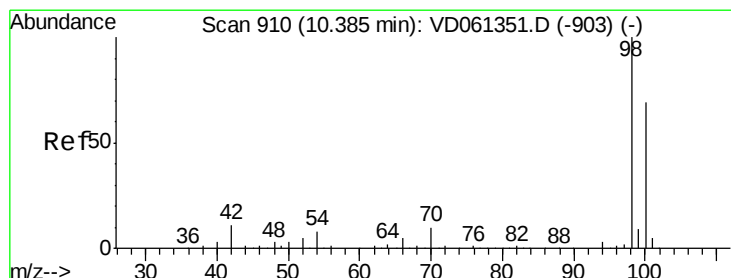
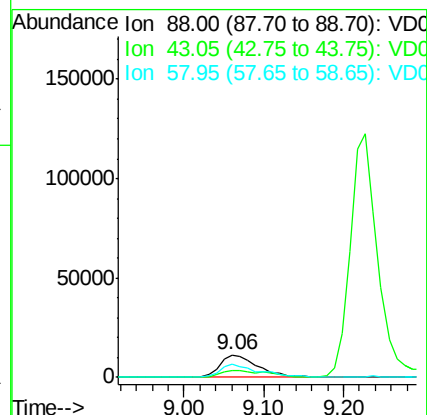
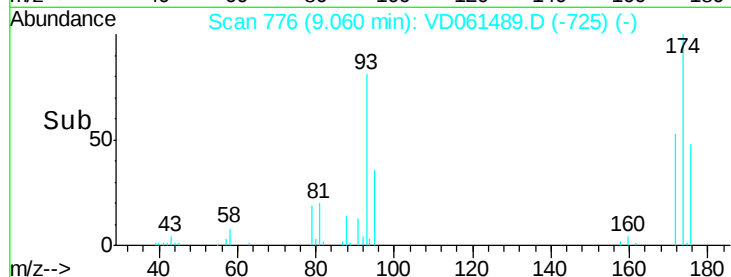
58 58.5 50.8 76.2



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: 1153.785 ug/l

RT: 10.40 min Scan# 912

Delta R.T. 0.01 min

Lab File: VD061489.D

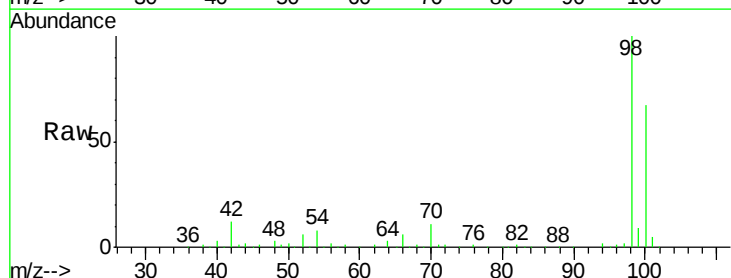
Acq: 2 Apr 2019 2:08

Tgt Ion: 98 Resp: 969815

Ion Ratio Lower Upper

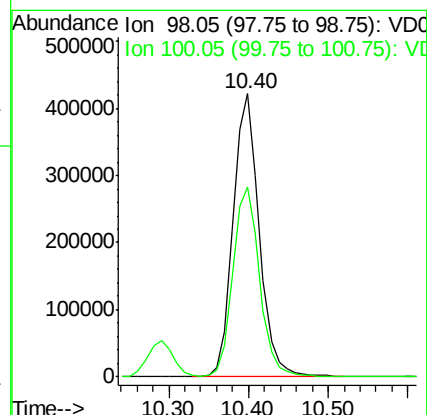
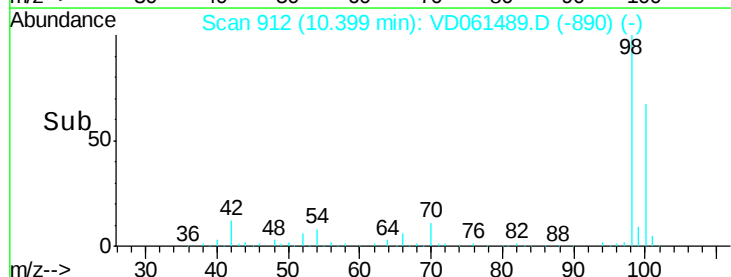
98 100

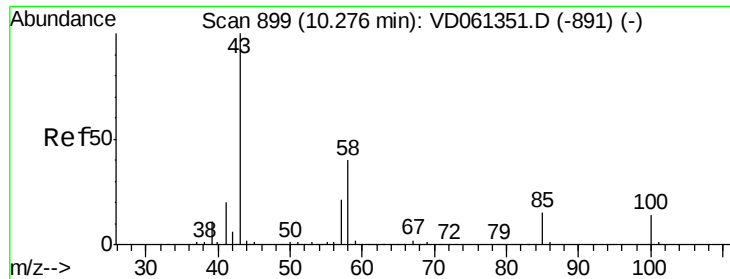
100 67.3 56.2 84.2



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: 285.953 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

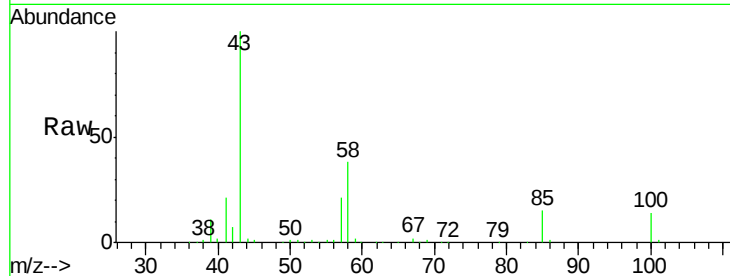
ClientSampleId :

Tot Ion: 43 Resp: 935028

Ion Ratio Lower Upper

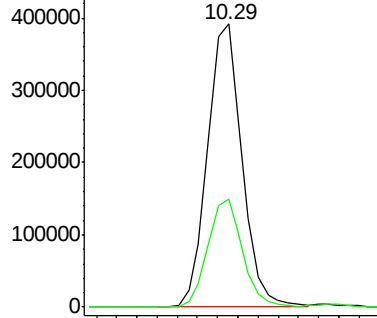
43 100

58 38.3 31.8 47.8

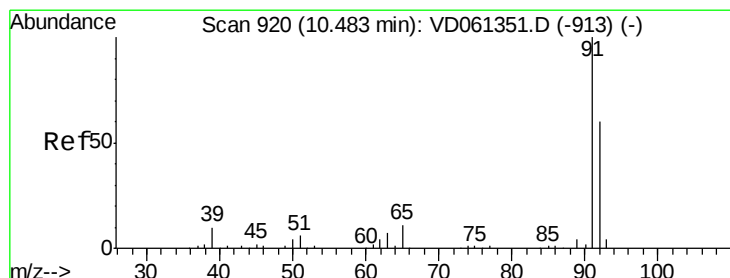
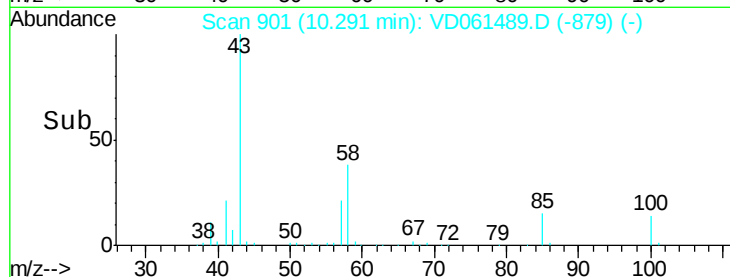


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#52

Toluene

Concen: 51.485 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.01 min

Lab File: VD061489.D

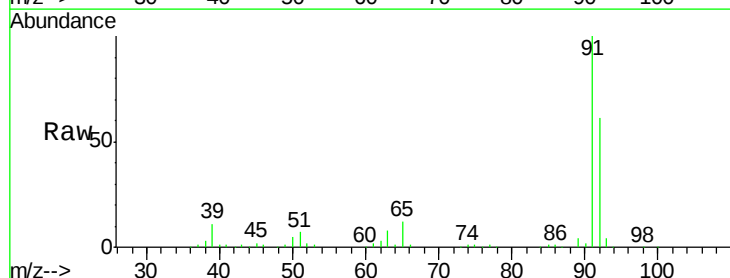
Acq: 2 Apr 2019 2:08

Tgt Ion: 92 Resp: 680874

Ion Ratio Lower Upper

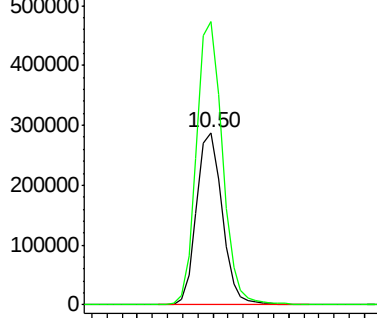
92 100

91 164.2 133.3 199.9

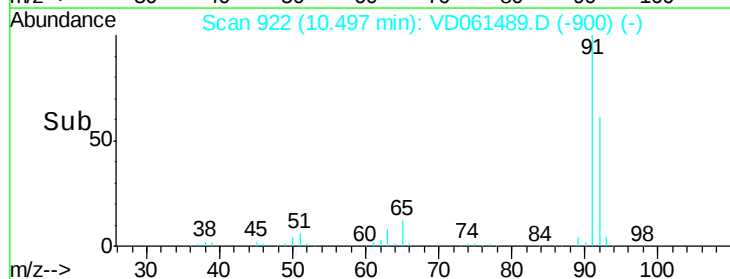


Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->





#53

t-1,3-Dichloropropene

Concen: 54.236 ug/l

RT: 10.90 min Scan# 963

Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

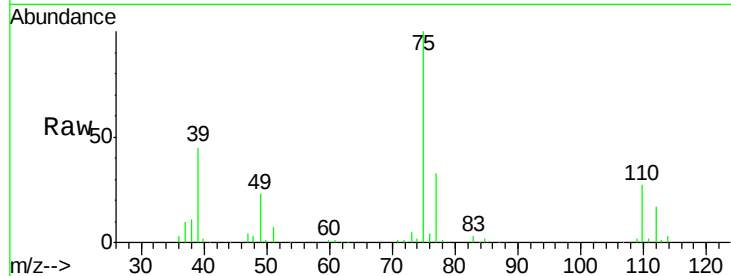
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 409173

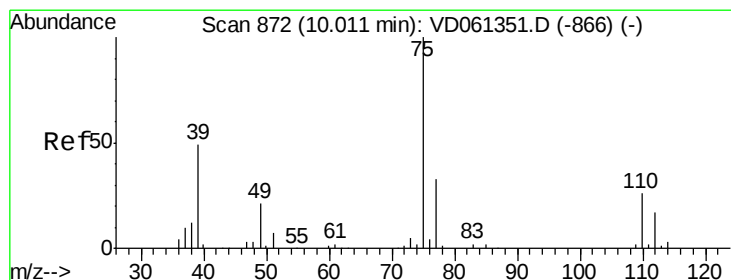
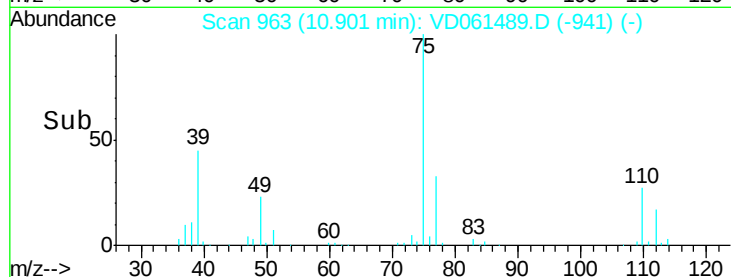
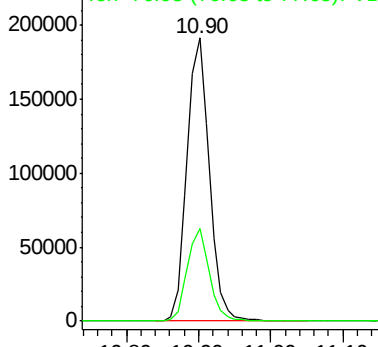
Ion Ratio Lower Upper

75 100

77 32.6 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: 54.853 ug/l

RT: 10.02 min Scan# 874

Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

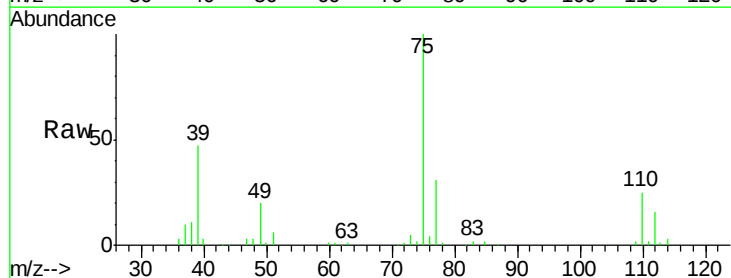
Tgt Ion: 75 Resp: 503901

Ion Ratio Lower Upper

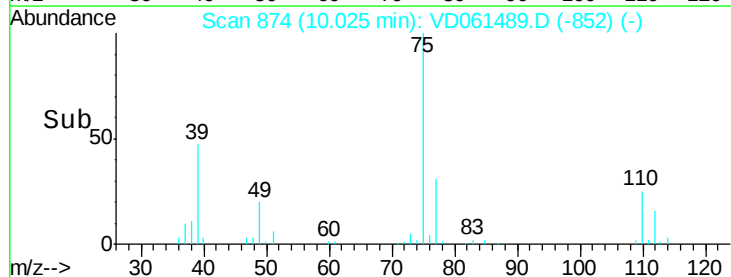
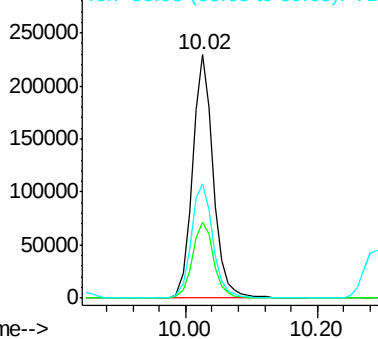
75 100

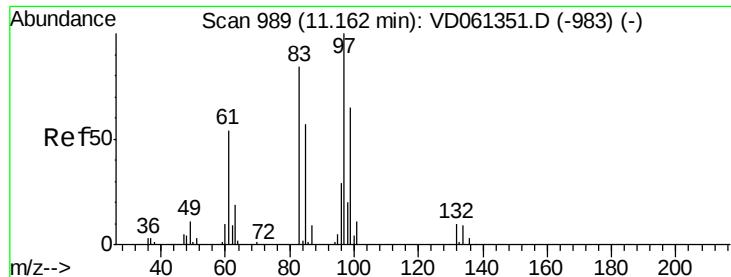
77 31.3 26.2 39.4

39 46.8 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



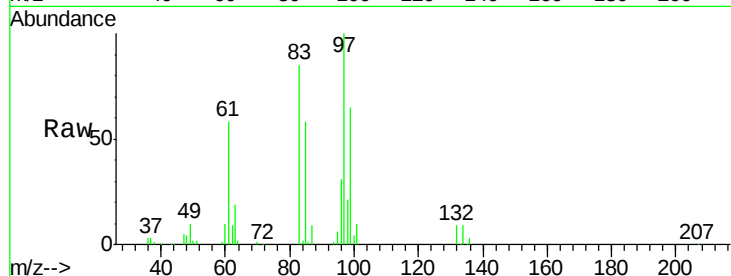


#55
 1,1,2-Trichloroethane
 Concen: 56.026 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. 0.01 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

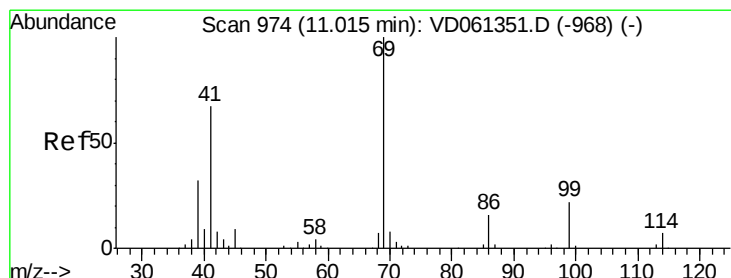
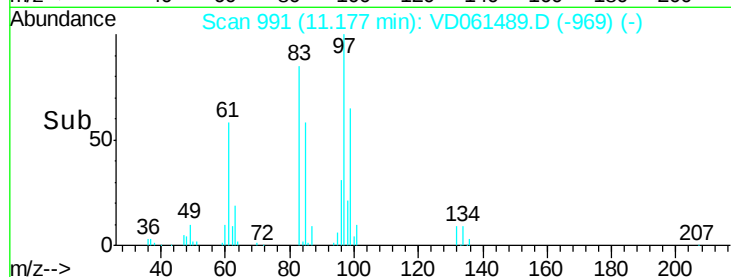
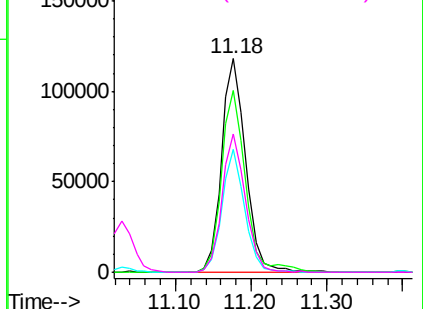
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 97 Resp: 259118

Ion	Ratio	Lower	Upper
97	100		
83	85.2	67.0	100.6
85	57.6	45.4	68.2
99	64.5	51.9	77.9



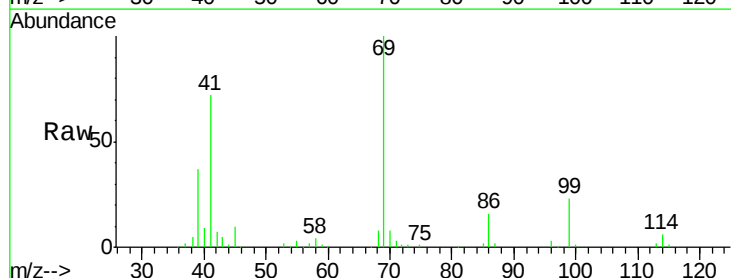
Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC



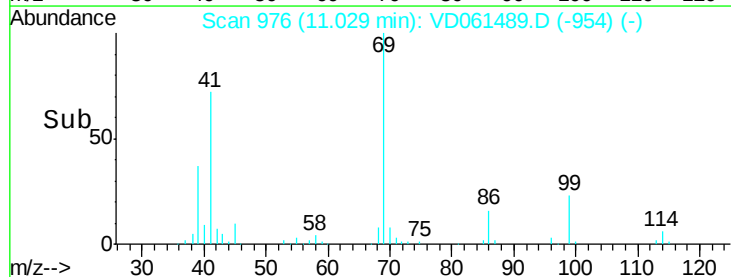
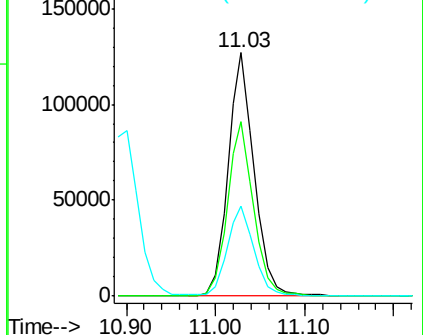
#56
 Ethyl methacrylate
 Concen: 52.047 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. 0.01 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

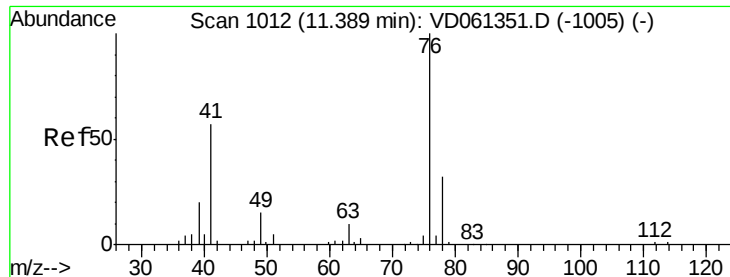
Tgt Ion: 69 Resp: 258592

Ion	Ratio	Lower	Upper
69	100		
41	71.8	53.8	80.6
39	36.8	26.4	39.6



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

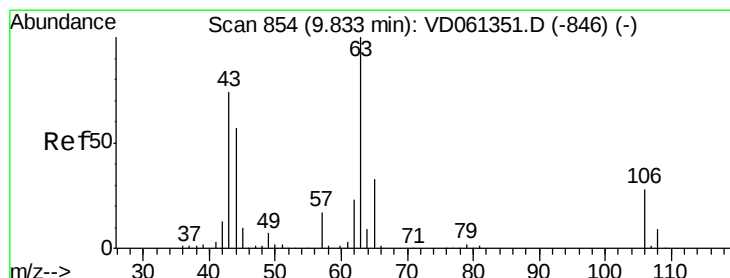
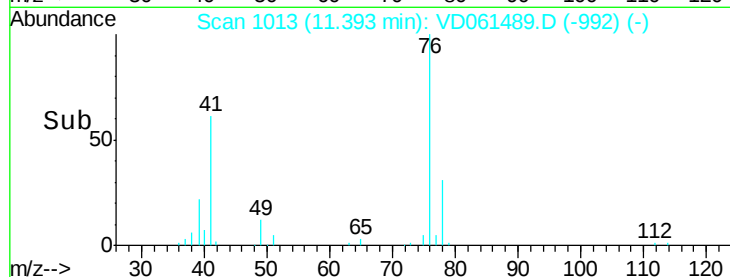
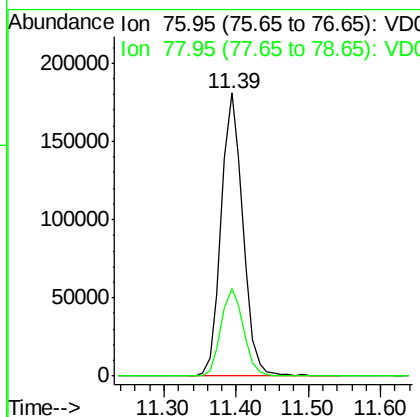
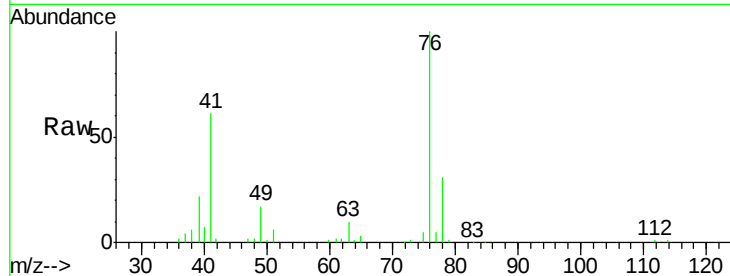




#57
 1,3-Dichloropropane
 Concen: 55.182 ug/l
 RT: 11.39 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

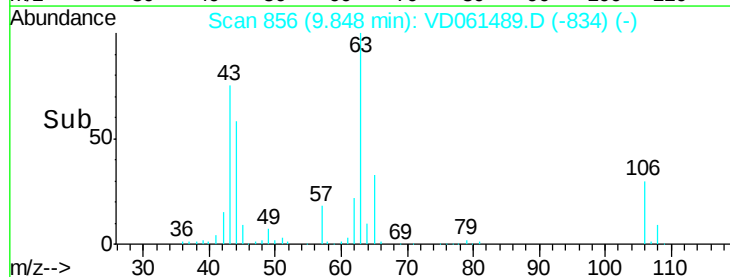
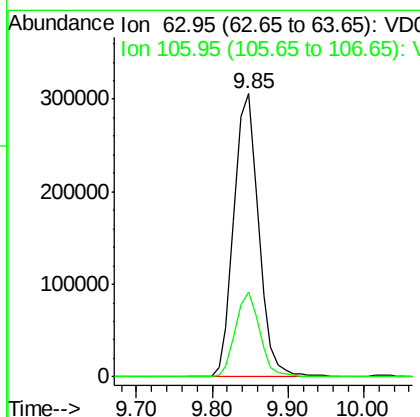
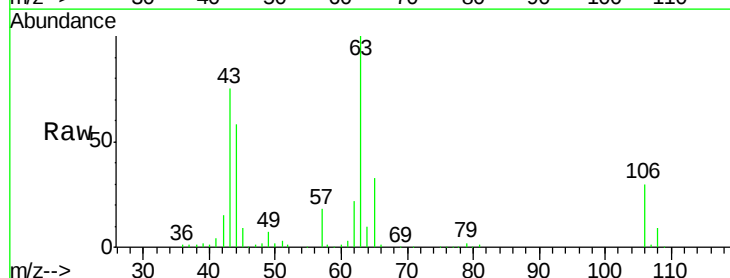
Instrument :
 MSVOA_D
 ClientSampled :

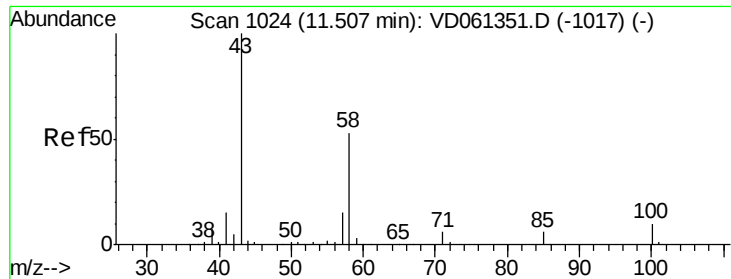
Tot Ion: 76 Resp: 375118
 Ion Ratio Lower Upper
 76 100
 78 30.9 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 286.146 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.01 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Tgt Ion: 63 Resp: 692359
 Ion Ratio Lower Upper
 63 100
 106 30.0 22.4 33.6

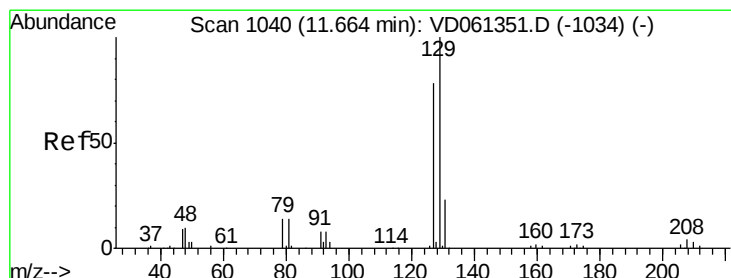
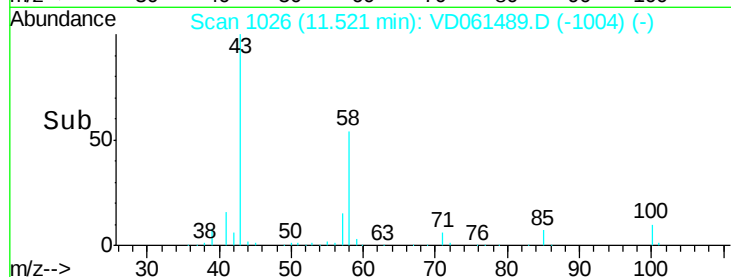
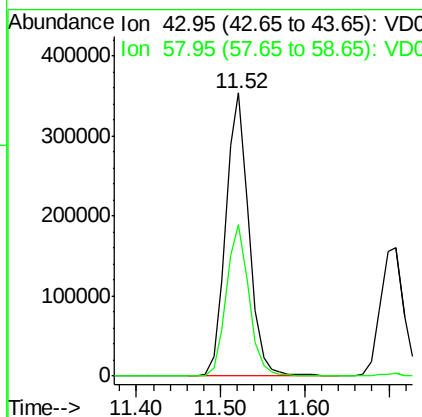
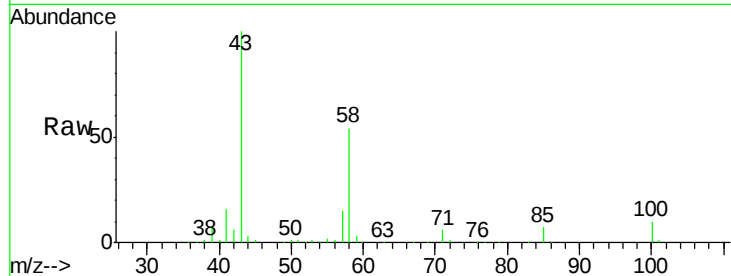




#59
2-Hexanone
Concen: 282.326 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

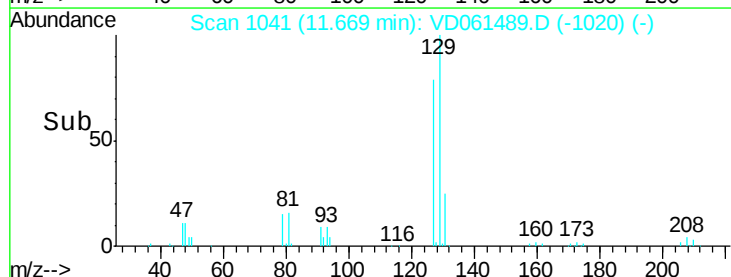
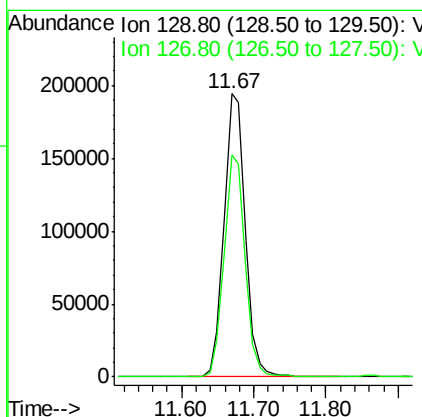
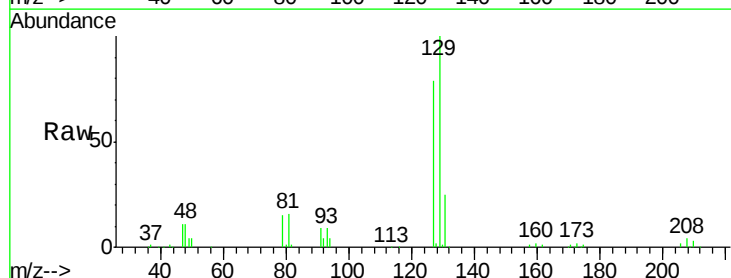
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 668862
Ion Ratio Lower Upper
43 100
58 53.7 26.3 78.9



#60
Dibromochloromethane
Concen: 55.405 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion: 129 Resp: 395028
Ion Ratio Lower Upper
129 100
127 78.6 39.0 116.9





#61

1,2-Dibromoethane

Concen: 52.222 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. 0.01 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

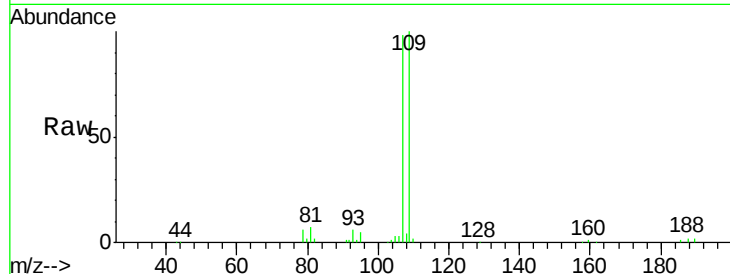
ClientSampleId :

Tot Ion: 107 Resp: 279671

Ion Ratio Lower Upper

107 100

109 101.9 76.6 114.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.80

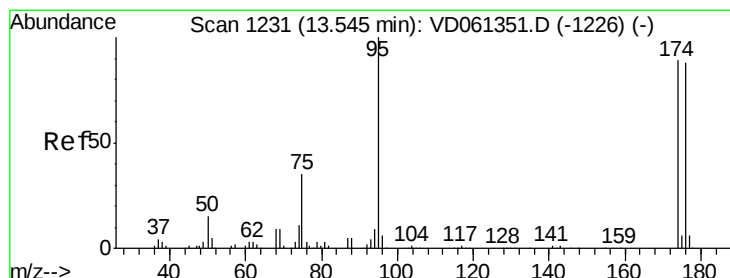
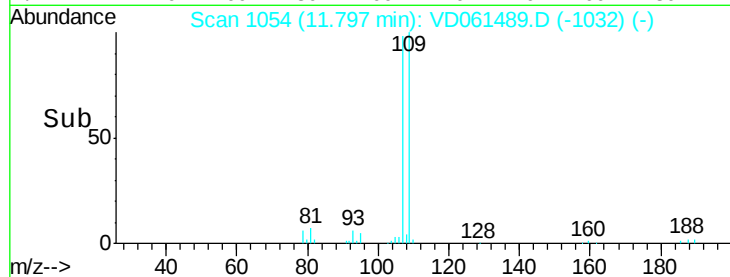
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.222 ug/l

RT: 13.55 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

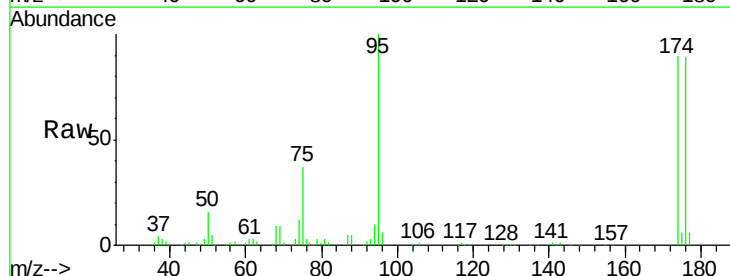
Tgt Ion: 95 Resp: 399151

Ion Ratio Lower Upper

95 100

174 90.4 0.0 178.0

176 89.5 0.0 175.0



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

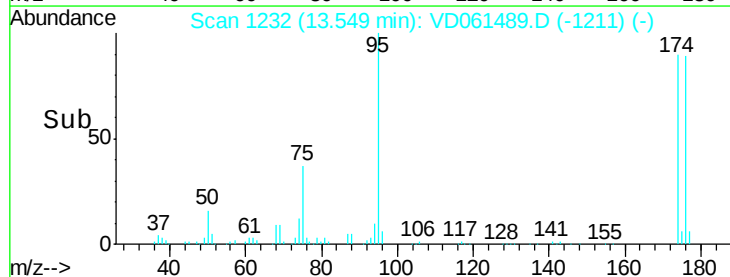
300000

200000

100000

0

Time-->

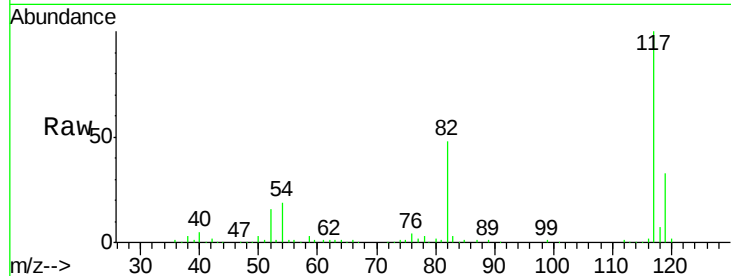




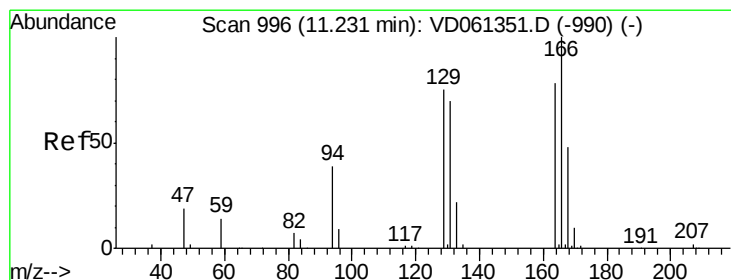
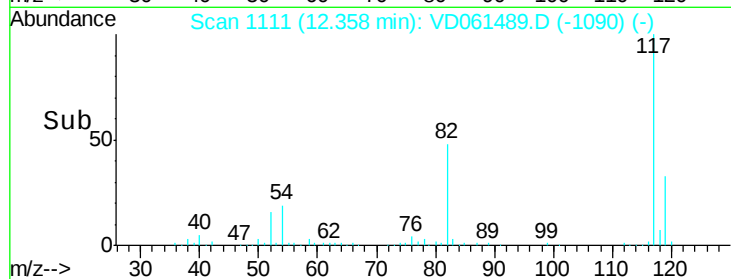
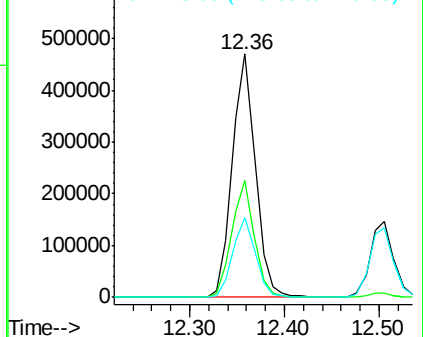
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 798096
Ion Ratio Lower Upper
117 100
82 47.9 34.4 51.6
119 32.6 25.8 38.6

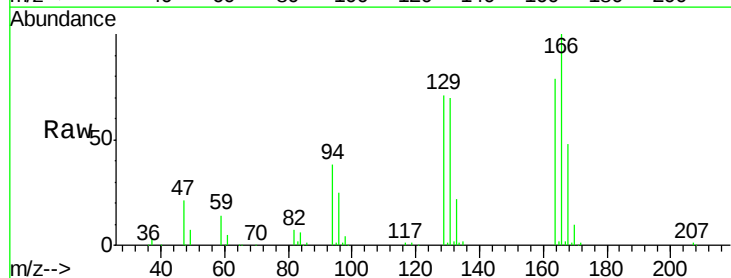


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

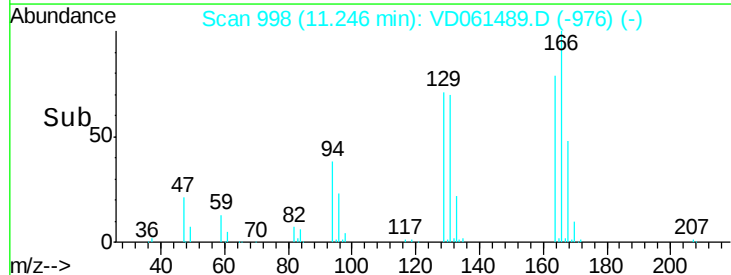
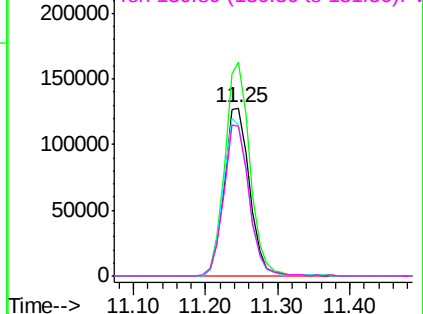


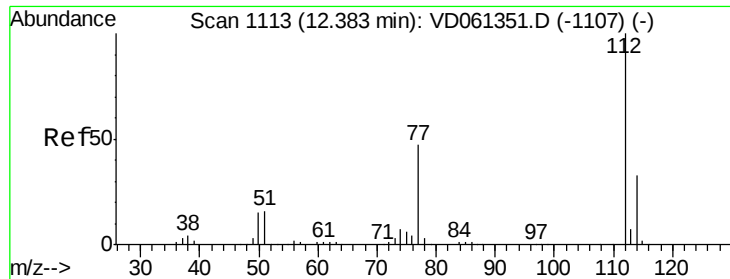
#64
Tetrachloroethene
Concen: 49.889 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion:164 Resp: 312487
Ion Ratio Lower Upper
164 100
166 127.0 102.4 153.6
129 89.9 76.8 115.2
131 88.8 71.8 107.6



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





#65

Chlorobenzene

Concen: 55.496 ug/l

RT: 12.39 min Scan# 1114

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

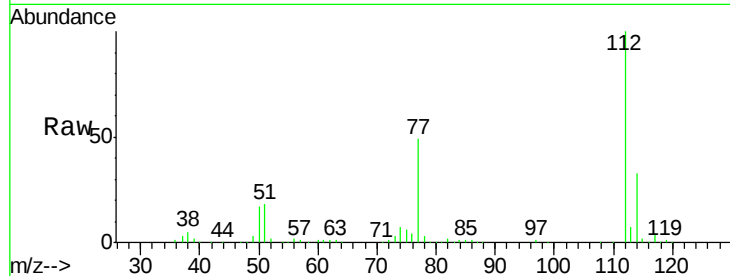
ClientSampleId :

Tot Ion:112 Resp: 905168

Ion Ratio Lower Upper

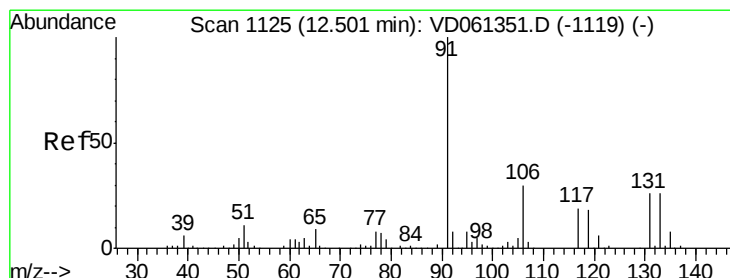
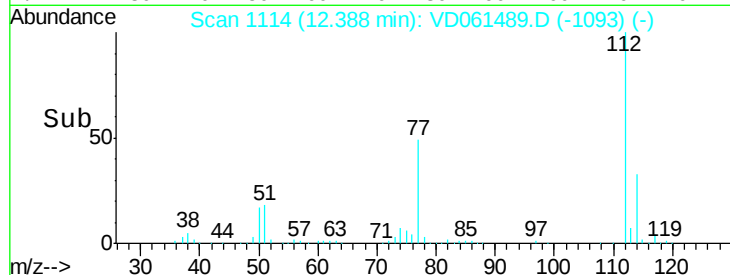
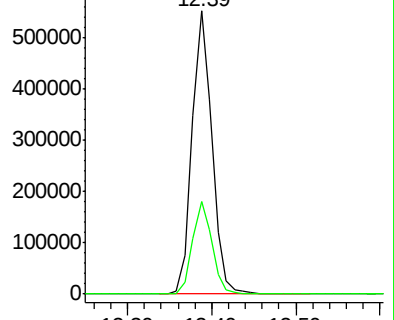
112 100

114 32.7 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: 56.839 ug/l

RT: 12.51 min Scan# 1126

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

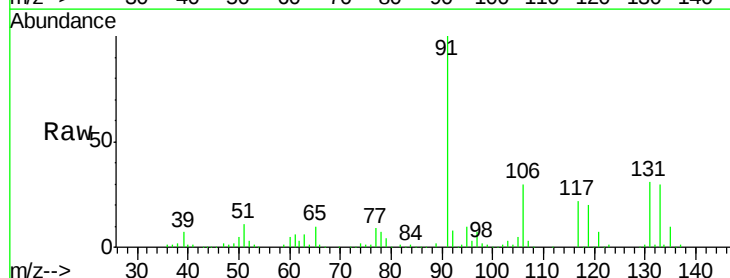
Tgt Ion:131 Resp: 358951

Ion Ratio Lower Upper

131 100

133 98.7 49.4 148.2

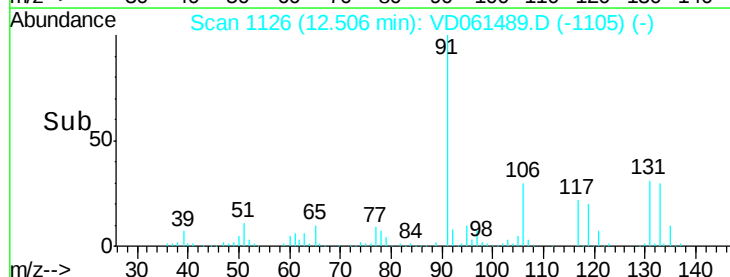
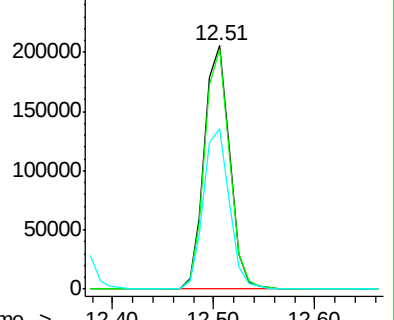
119 65.7 34.1 102.2



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

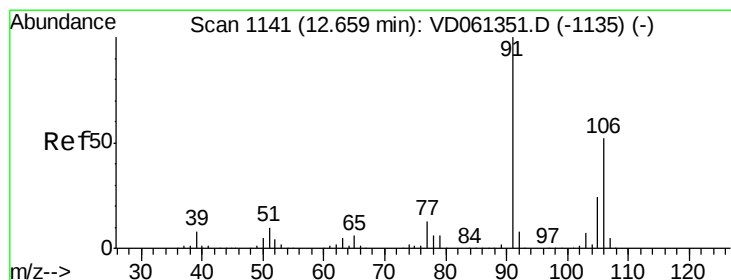
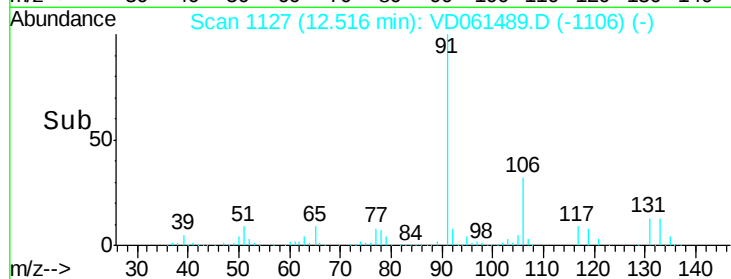
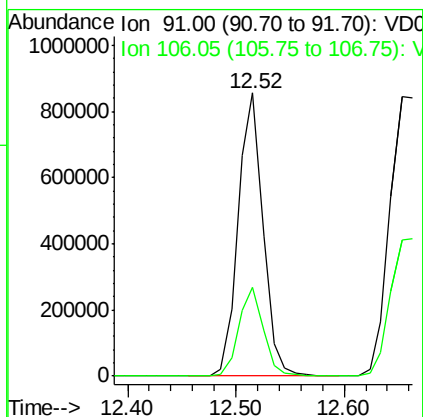
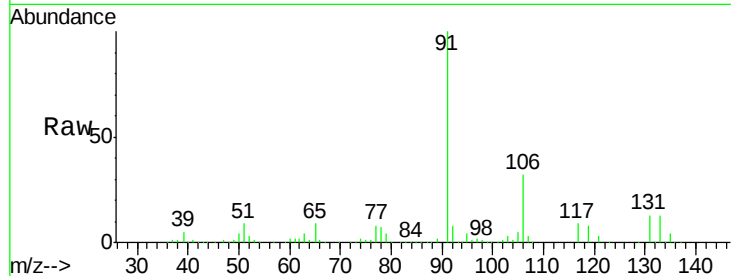




#67
Ethyl Benzene
Concen: 54.880 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

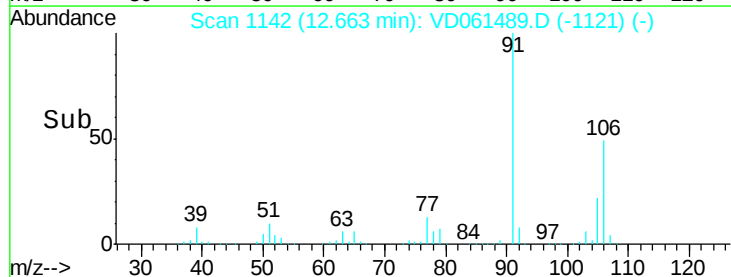
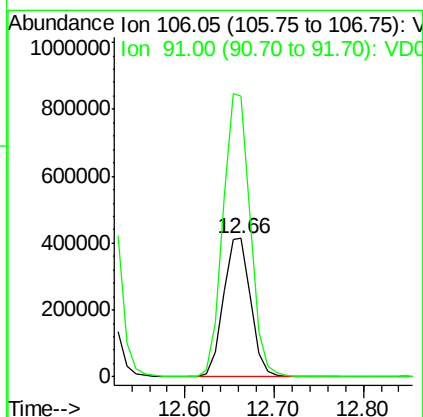
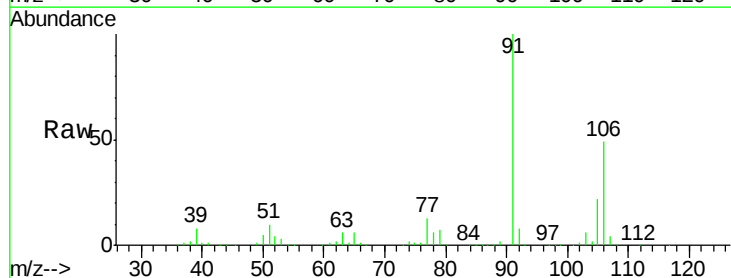
Instrument :
MSVOA_D
ClientSampleID :

Tot Ion: 91 Resp: 1366286
Ion Ratio Lower Upper
91 100
106 31.6 26.1 39.1



#68
m/p-Xylenes
Concen: 94.790 ug/l
RT: 12.66 min Scan# 1142
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion: 106 Resp: 893922
Ion Ratio Lower Upper
106 100
91 202.8 153.1 229.7

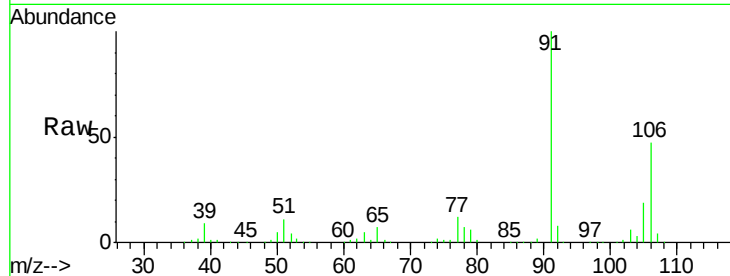




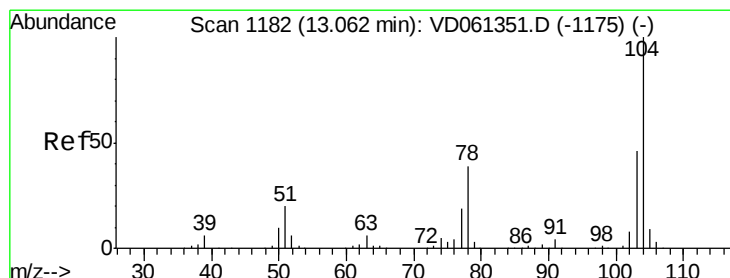
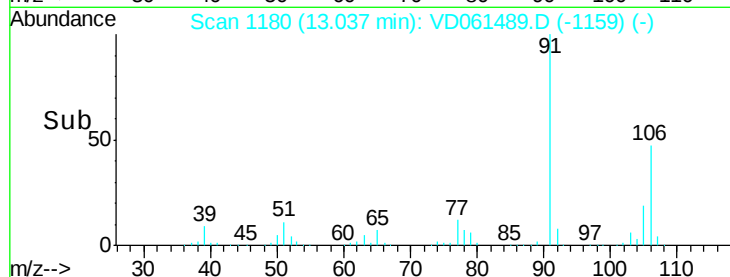
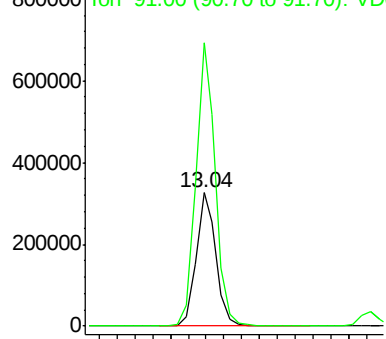
#69
o-Xylene
Concen: 55.385 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 506867
Ion Ratio Lower Upper
106 100
91 212.4 103.8 311.3

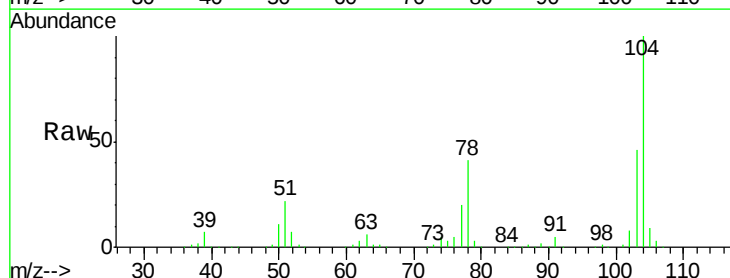


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

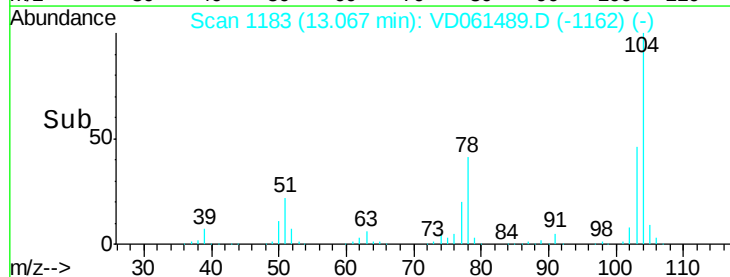
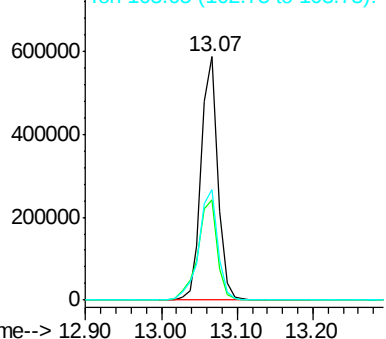


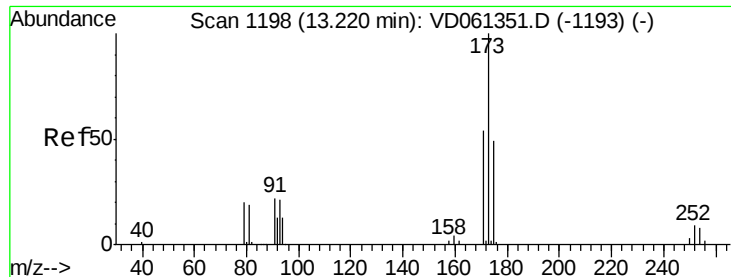
#70
Styrene
Concen: 55.596 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion:104 Resp: 886937
Ion Ratio Lower Upper
104 100
78 41.1 31.0 46.6
103 45.6 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: 55.666 ug/l

RT: 13.22 min Scan# 1199

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

ClientSampleId :

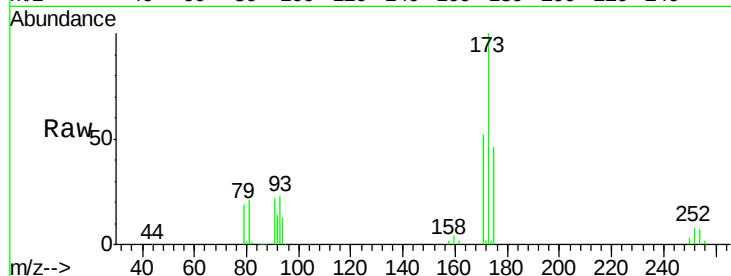
Tot Ion:173 Resp: 222844

Ion Ratio Lower Upper

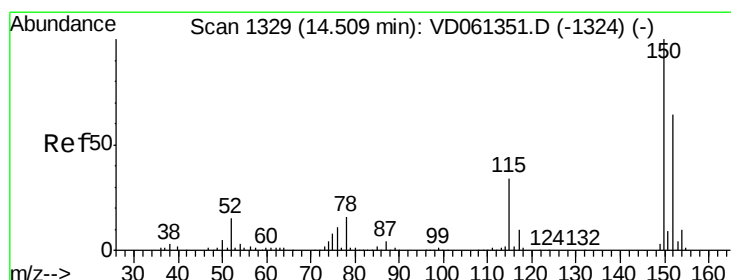
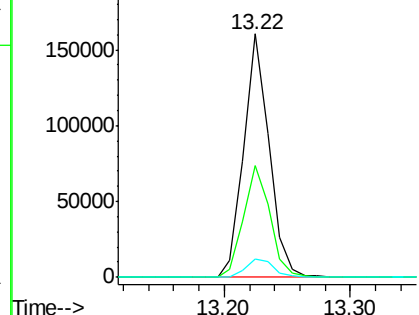
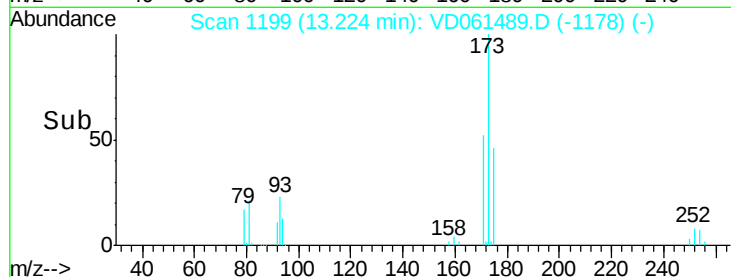
173 100

175 46.0 24.6 73.8

254 7.4 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# 1330

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

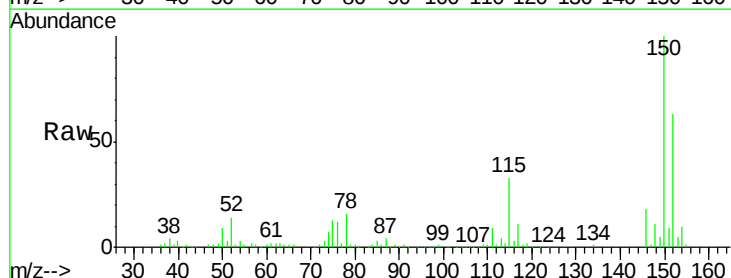
Tgt Ion:152 Resp: 364783

Ion Ratio Lower Upper

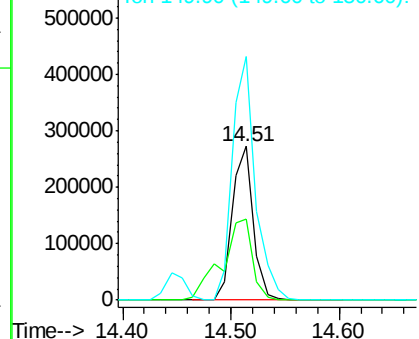
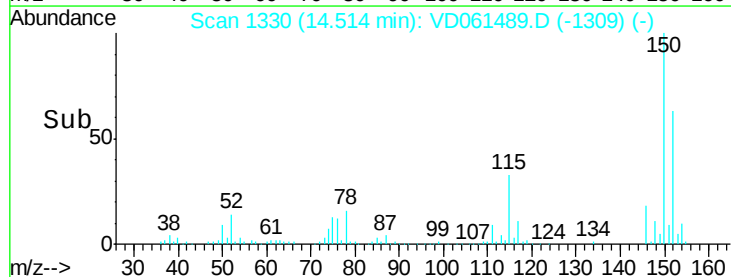
152 100

115 53.0 26.9 80.6

150 158.6 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: 48.723 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

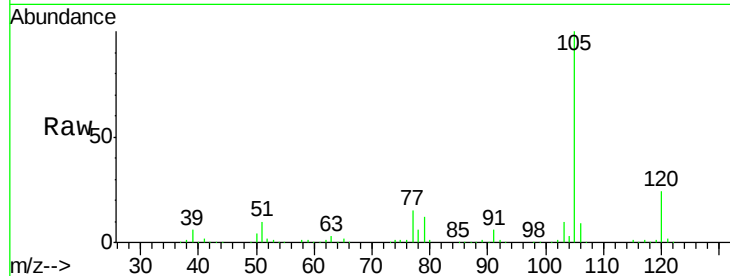
ClientSampleId :

Tot Ion:105 Resp: 1236999

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

13.39

800000

600000

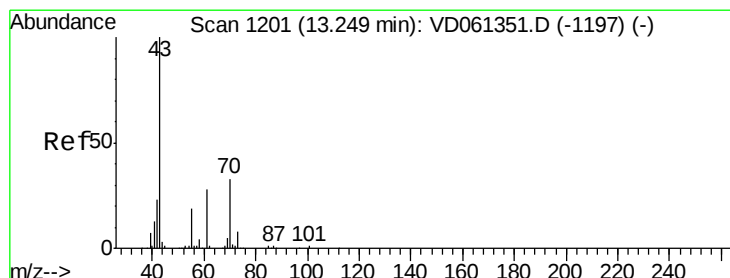
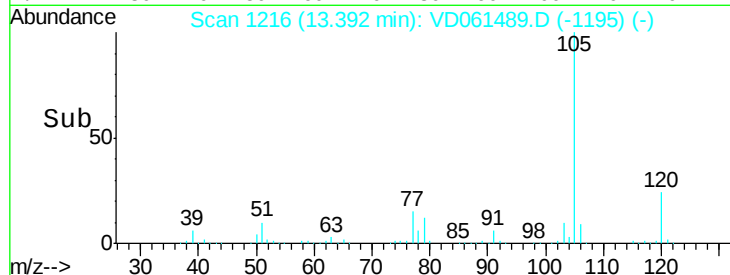
400000

200000

0

Time-->

13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 50.380 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Tgt Ion: 43 Resp: 356311

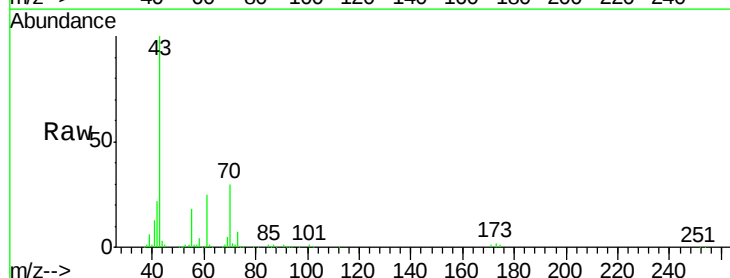
Ion Ratio Lower Upper

43 100

70 30.2 26.6 40.0

55 18.2 15.4 23.2

61 25.2 22.2 33.4



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

400000

300000

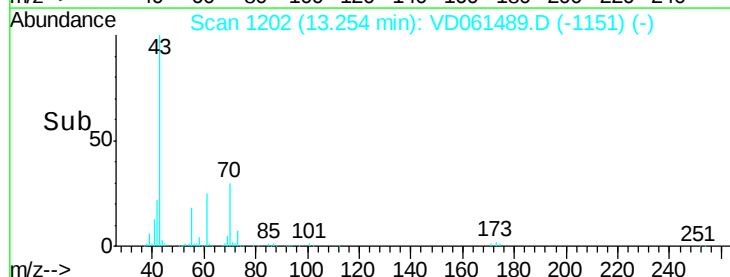
200000

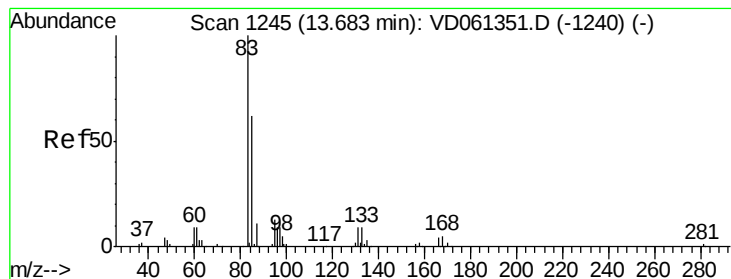
100000

0

Time-->

13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 53.683 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

ClientSampleId :

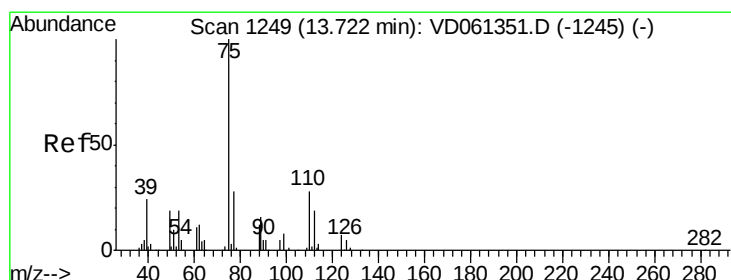
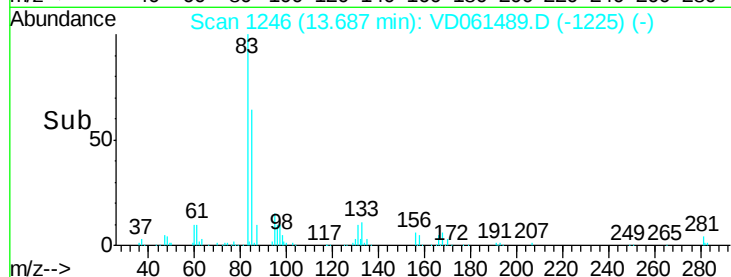
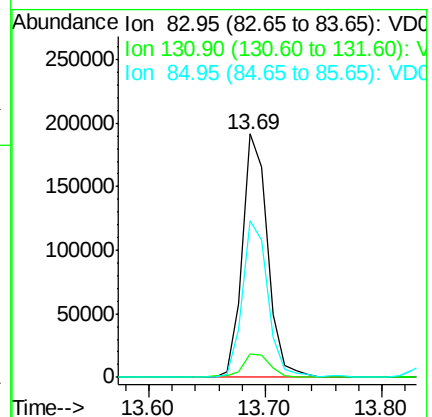
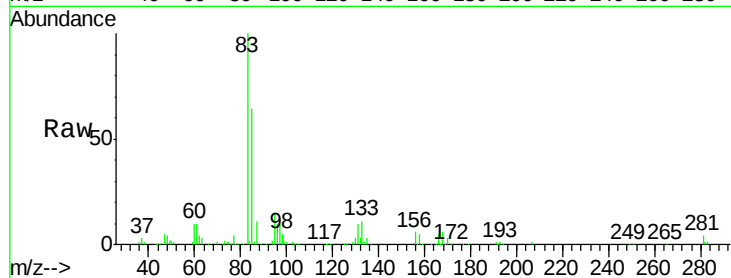
Tot Ion: 83 Resp: 287511

Ion Ratio Lower Upper

83 100

131 9.8 4.3 13.1

85 64.1 31.2 93.6



#76

1,2,3-Trichloropropane

Concen: 53.001 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD061489.D

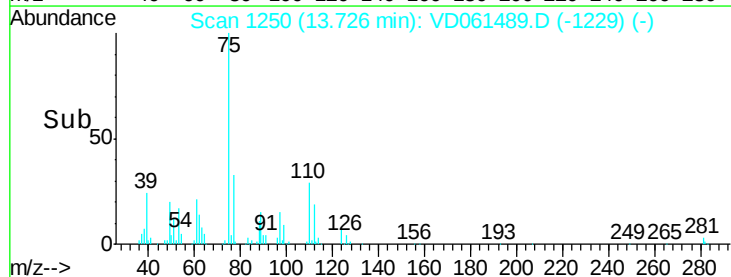
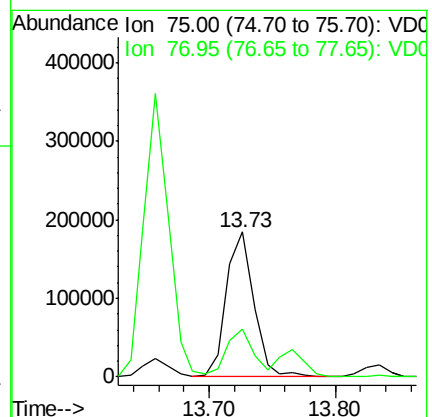
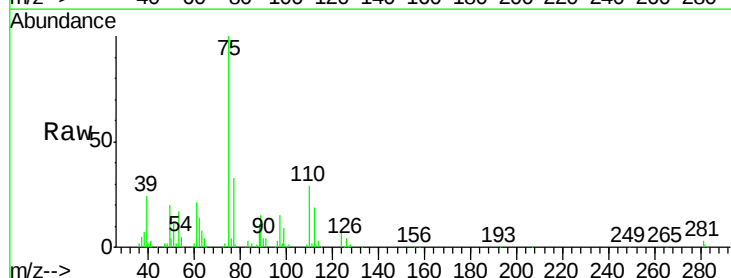
Acq: 2 Apr 2019 2:08

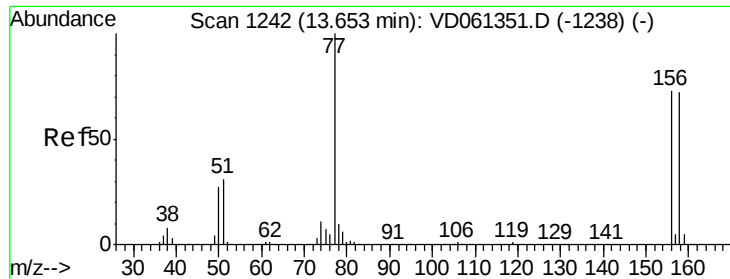
Tgt Ion: 75 Resp: 279281

Ion Ratio Lower Upper

75 100

77 32.7 16.2 48.5





#77

Bromobenzene

Concen: 52.291 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

ClientSampleId :

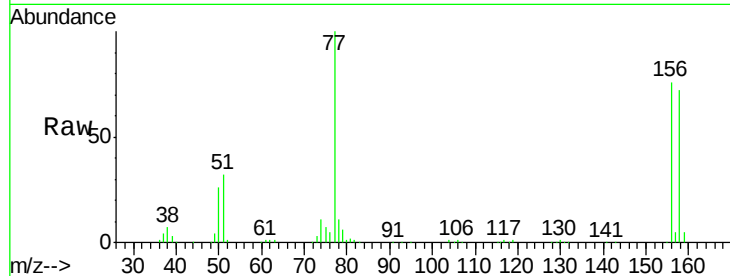
Tot Ion:156 Resp: 393578

Ion Ratio Lower Upper

156 100

77 130.8 68.5 205.6

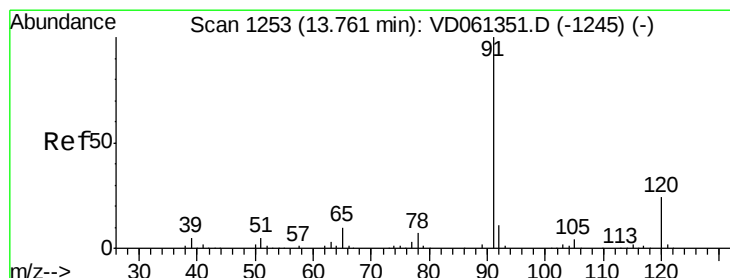
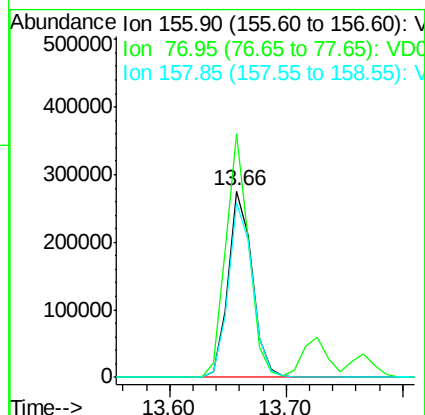
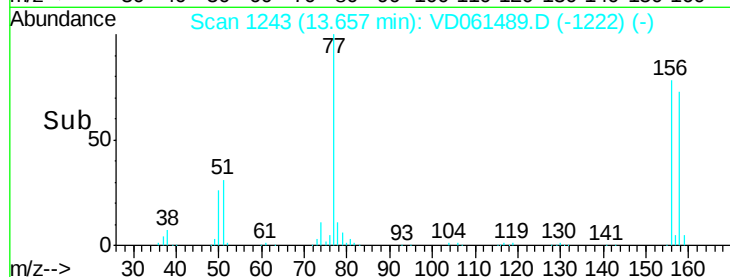
158 93.7 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): VDC

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 44.653 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061489.D

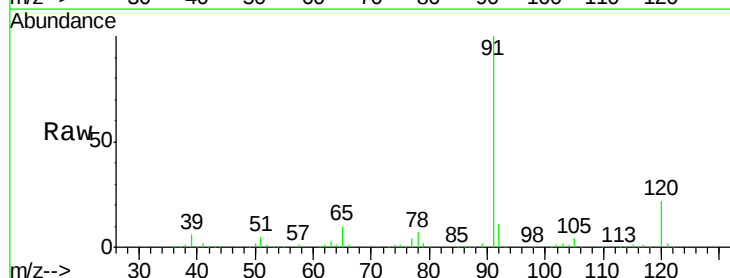
Acq: 2 Apr 2019 2:08

Tgt Ion: 91 Resp: 1387340

Ion Ratio Lower Upper

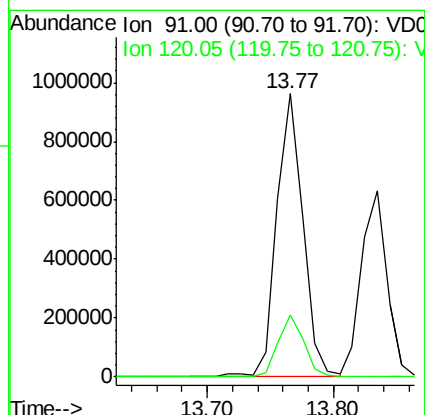
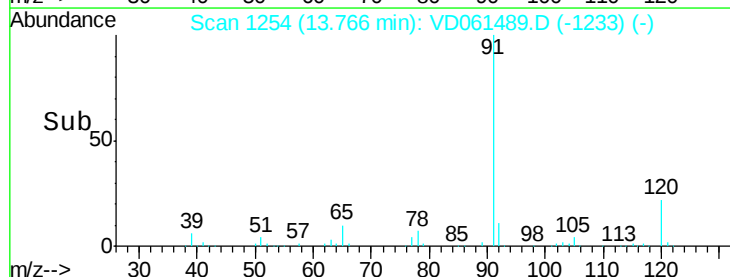
91 100

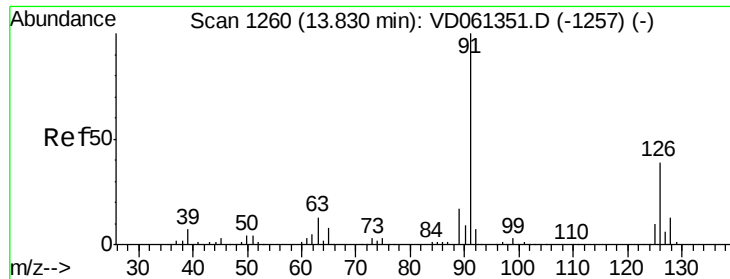
120 21.9 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 52.619 ug/l

RT: 13.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

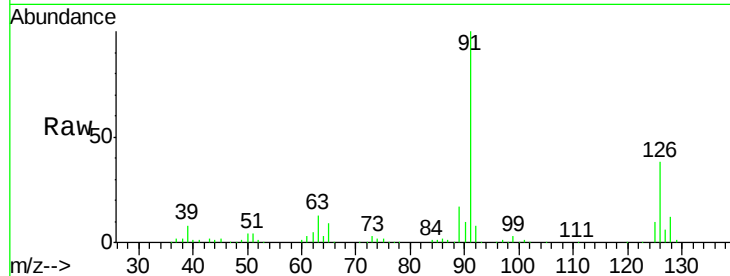
ClientSampleId :

Tot Ion: 91 Resp: 887682

Ion Ratio Lower Upper

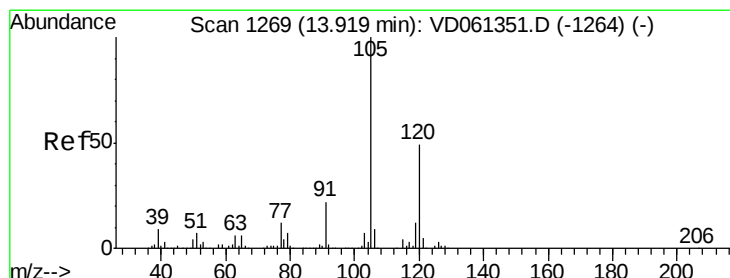
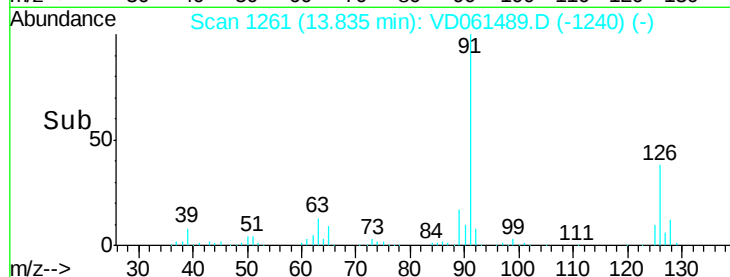
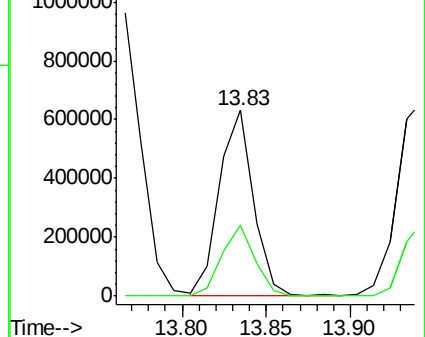
91 100

126 38.0 19.4 58.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 52.153 ug/l

RT: 13.92 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD061489.D

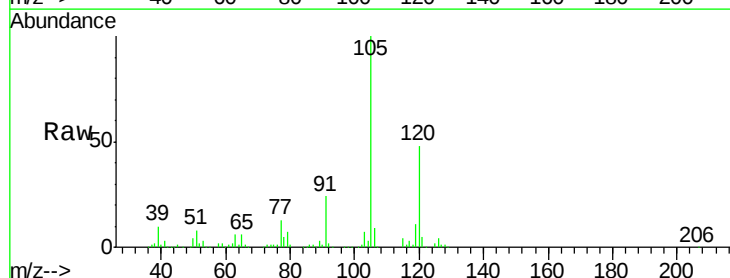
Acq: 2 Apr 2019 2:08

Tgt Ion:105 Resp: 1027345

Ion Ratio Lower Upper

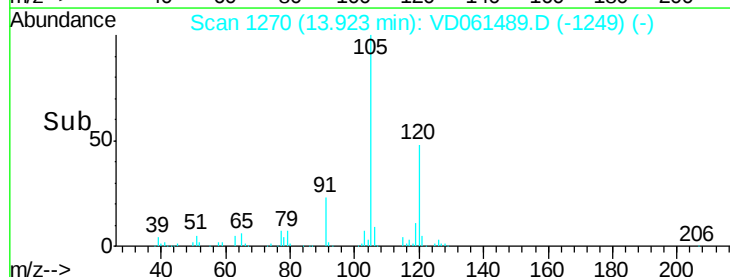
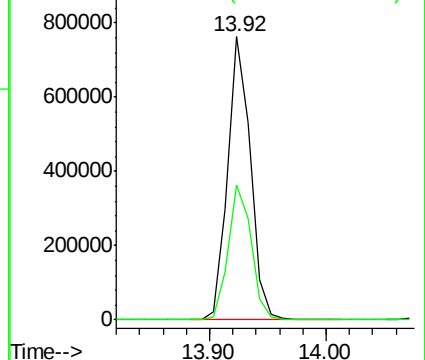
105 100

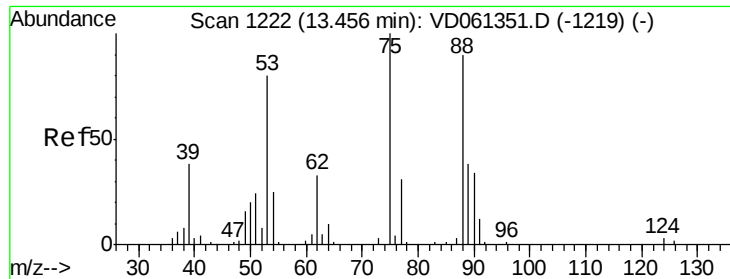
120 47.7 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 55.409 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

ClientSampleID :

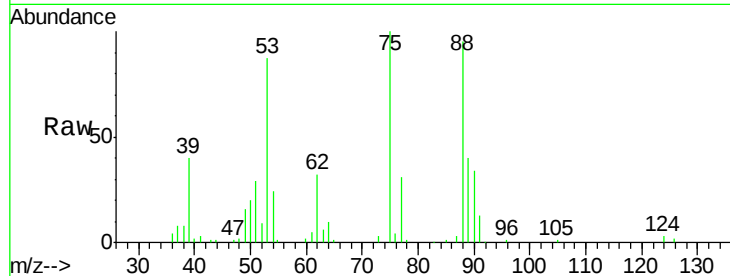
Tot Ion: 75 Resp: 89022

Ion Ratio Lower Upper

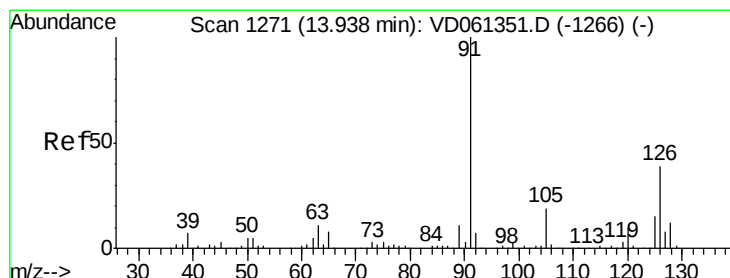
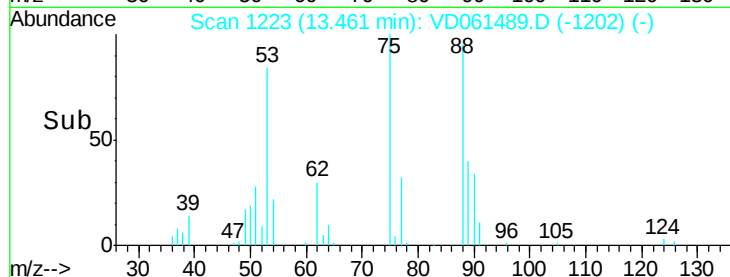
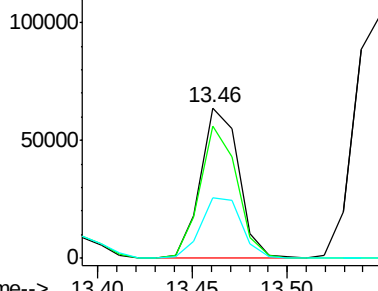
75 100

53 87.4 63.8 95.8

89 39.8 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: 55.178 ug/l

RT: 13.94 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VD061489.D

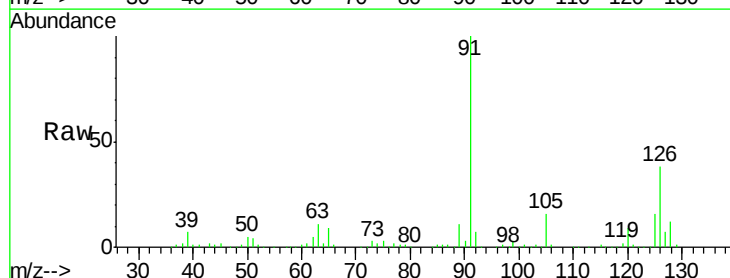
Acq: 2 Apr 2019 2:08

Tgt Ion: 91 Resp: 1012154

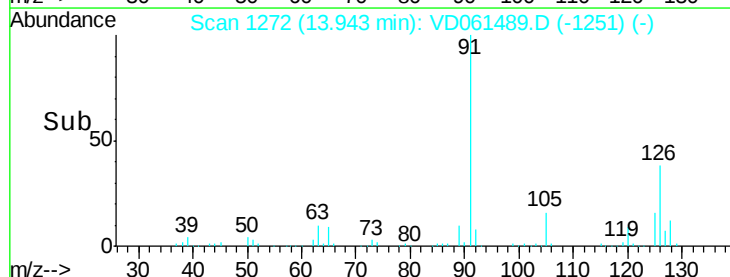
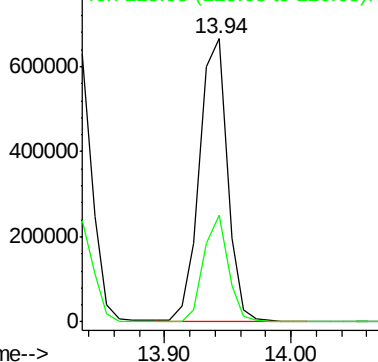
Ion Ratio Lower Upper

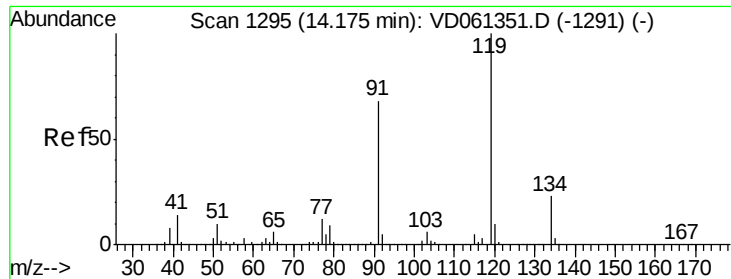
91 100

126 37.9 19.6 58.8



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

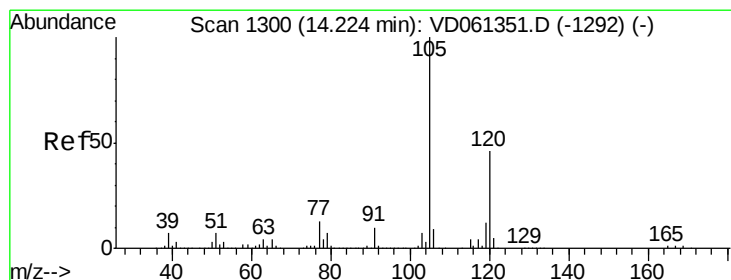
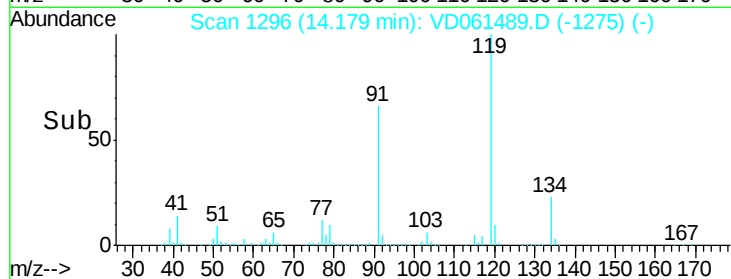
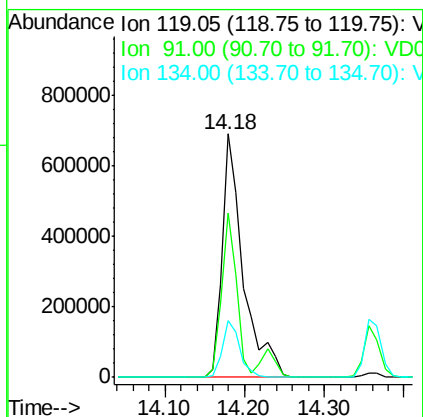
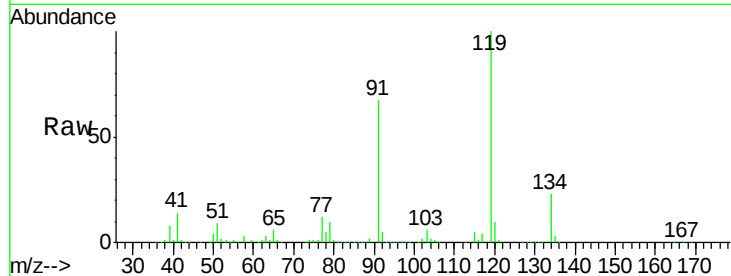




#83
tert-Butylbenzene
Concen: 52.331 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

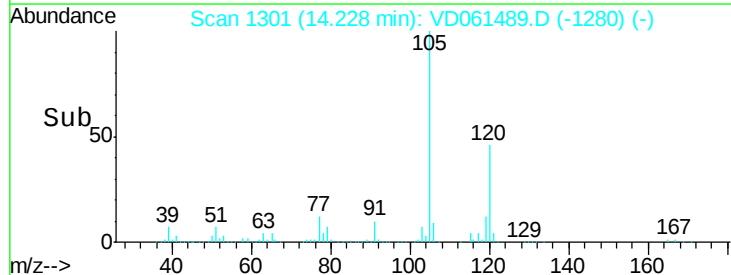
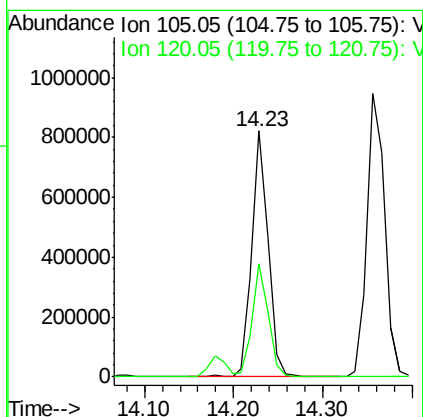
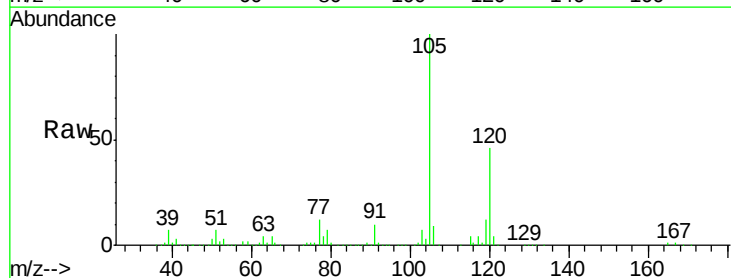
Instrument :
MSVOA_D
ClientSampled :

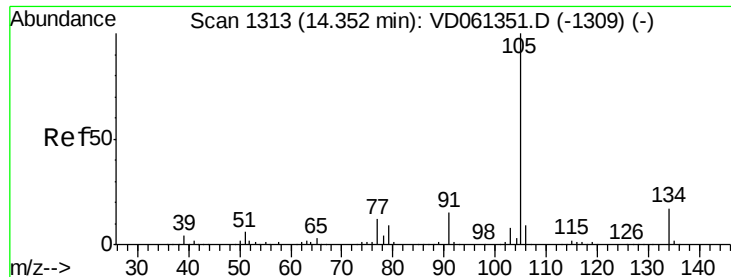
Tot Ion:119 Resp: 1288272
Ion Ratio Lower Upper
119 100
91 67.3 34.1 102.3
134 23.2 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 48.527 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion:105 Resp: 1034890
Ion Ratio Lower Upper
105 100
120 46.1 22.8 68.4





#85

sec-Butylbenzene

Concen: 49.098 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

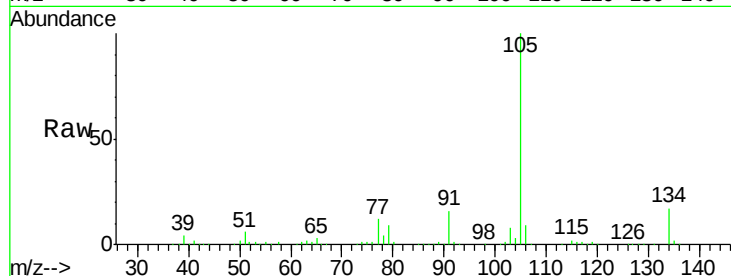
ClientSampleId :

Tot Ion:105 Resp: 1284040

Ion Ratio Lower Upper

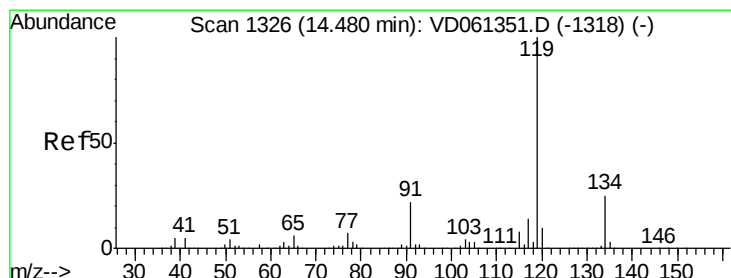
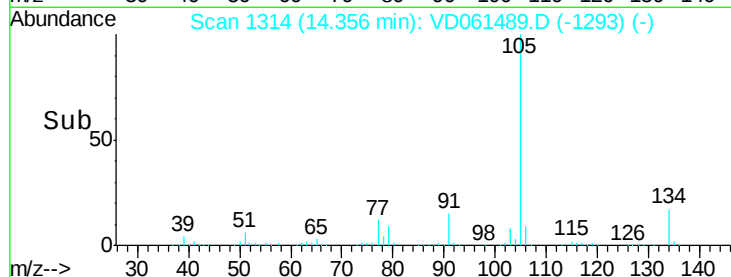
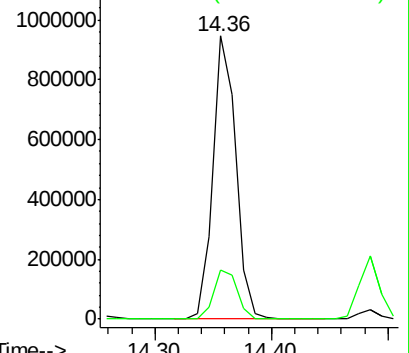
105 100

134 17.4 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: 49.086 ug/l

RT: 14.48 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

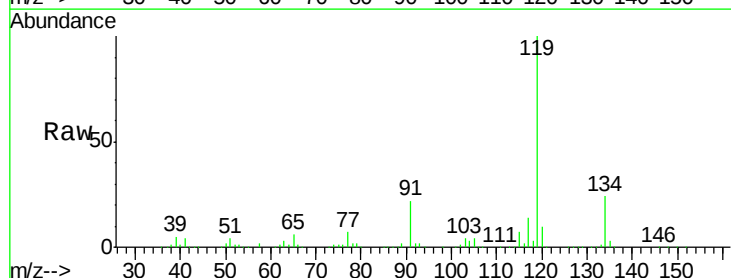
Tgt Ion:119 Resp: 1085520

Ion Ratio Lower Upper

119 100

134 24.3 12.3 36.8

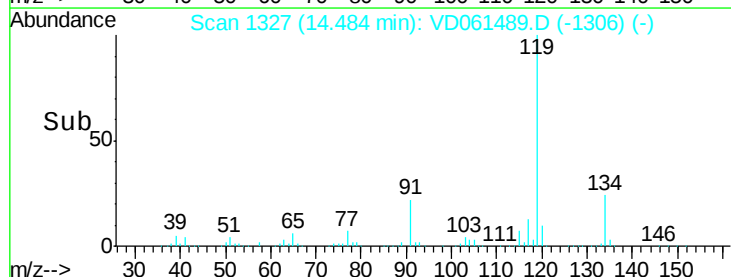
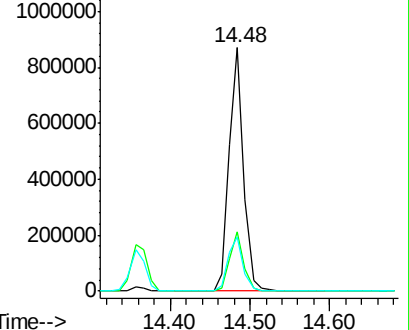
91 22.4 11.1 33.1



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

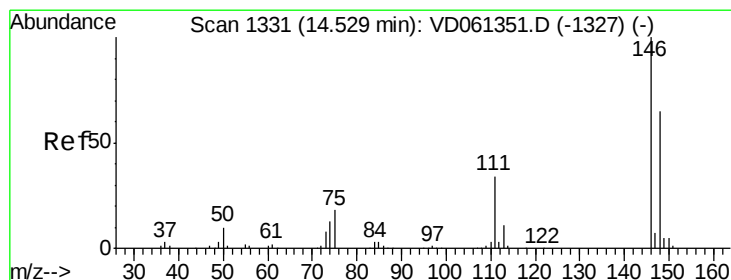
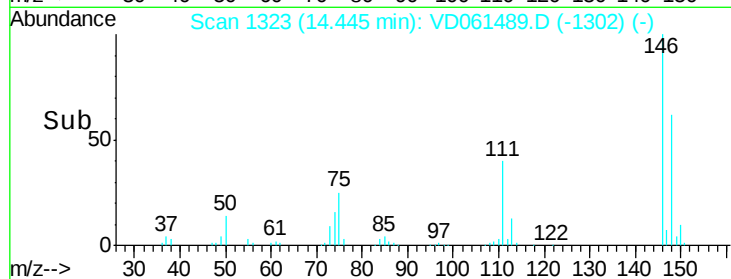
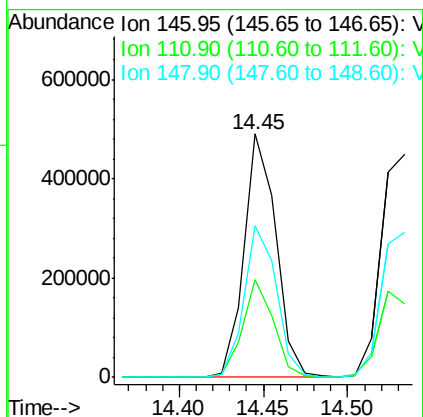
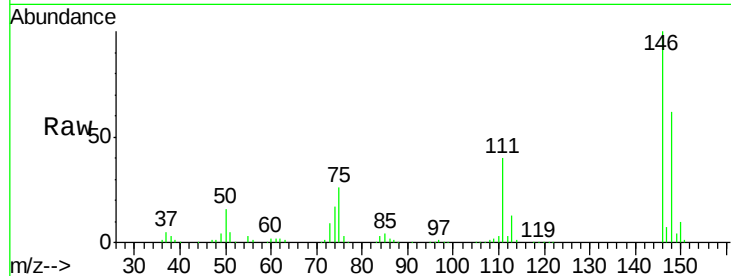




#87
 1,3-Dichlorobenzene
 Concen: 50.574 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.00 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

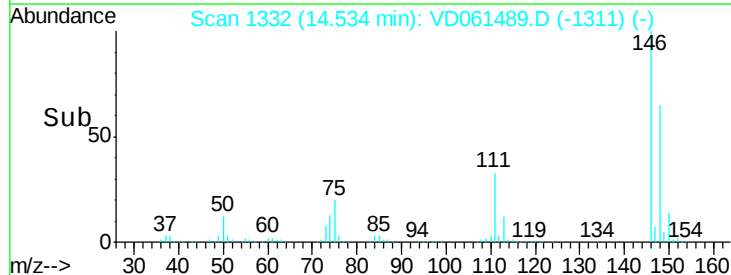
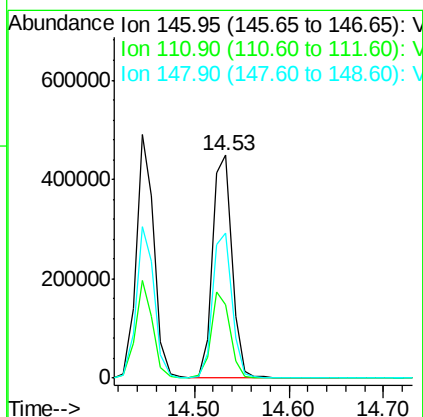
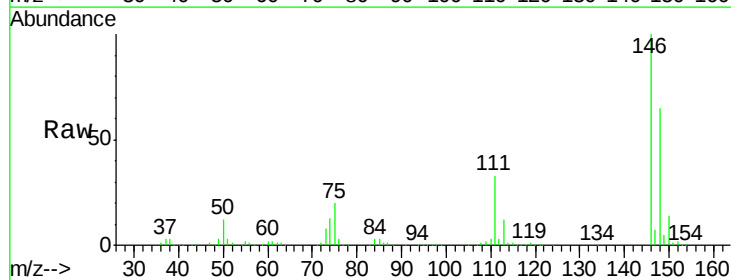
Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 644601
 Ion Ratio Lower Upper
 146 100
 111 40.2 20.6 61.9
 148 62.5 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 51.700 ug/l
 RT: 14.53 min Scan# 1332
 Delta R.T. 0.00 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Tgt Ion:146 Resp: 642599
 Ion Ratio Lower Upper
 146 100
 111 33.1 16.8 50.4
 148 65.1 32.6 98.0





#89

n-Butylbenzene

Concen: 49.865 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061489.D

Acq: 2 Apr 2019 2:08

Instrument :

MSVOA_D

ClientSampleId :

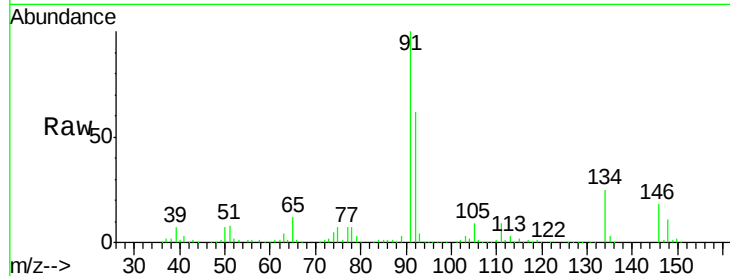
Tot Ion: 91 Resp: 1012134

Ion Ratio Lower Upper

91 100

92 62.1 30.3 91.0

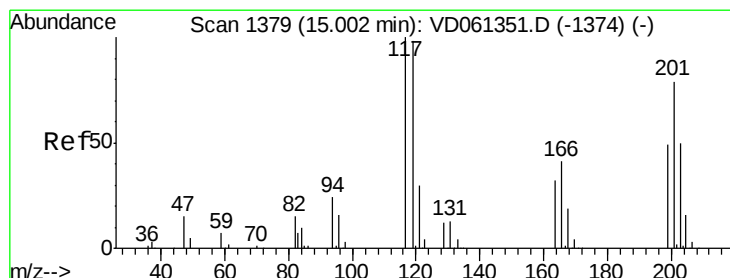
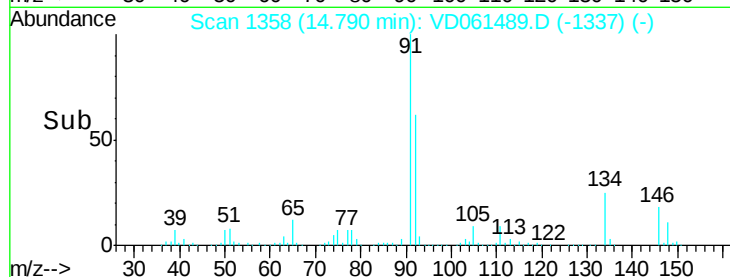
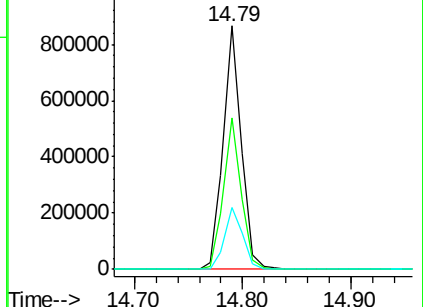
134 25.3 12.4 37.0



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: 52.050 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD061489.D

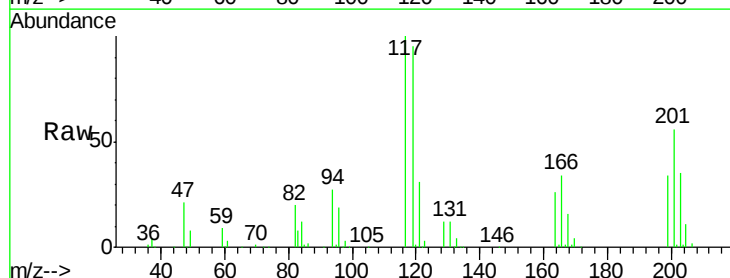
Acq: 2 Apr 2019 2:08

Tgt Ion: 117 Resp: 325188

Ion Ratio Lower Upper

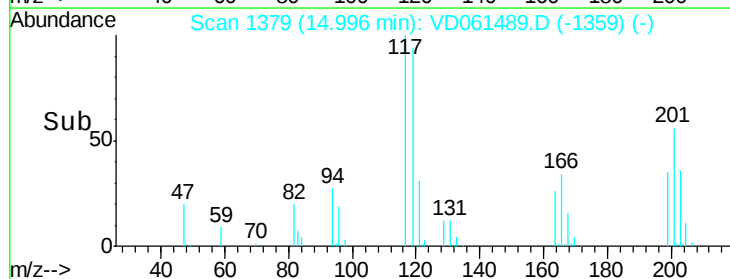
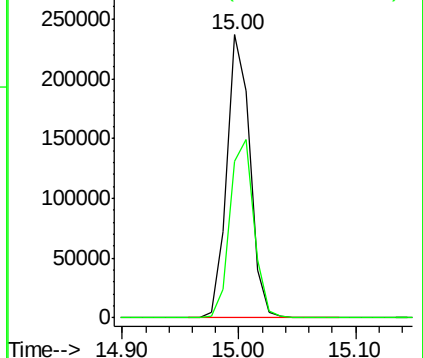
117 100

201 55.5 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

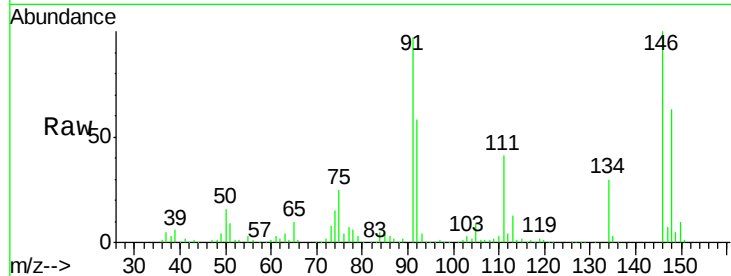




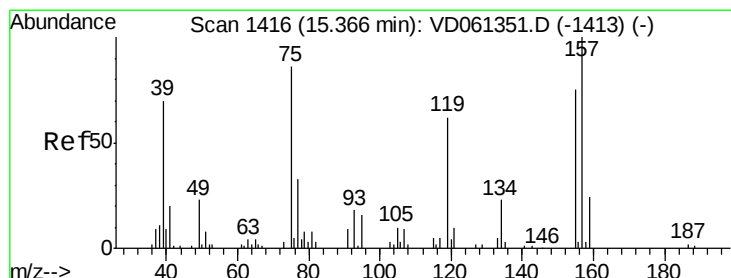
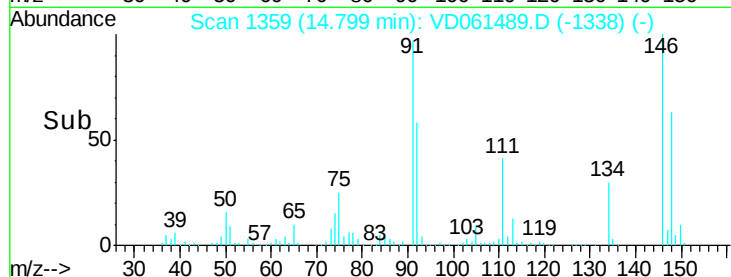
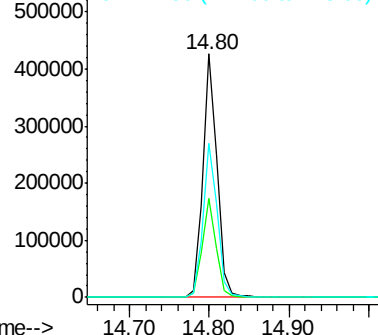
#91
 1,2-Dichlorobenzene
 Concen: 51.508 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:146 Resp: 538488
 Ion Ratio Lower Upper
 146 100
 111 40.8 21.2 63.6
 148 63.2 31.6 95.0

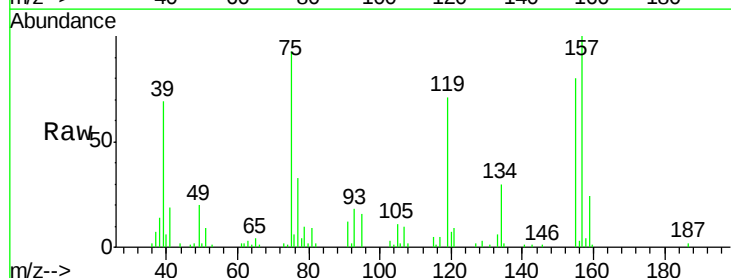


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

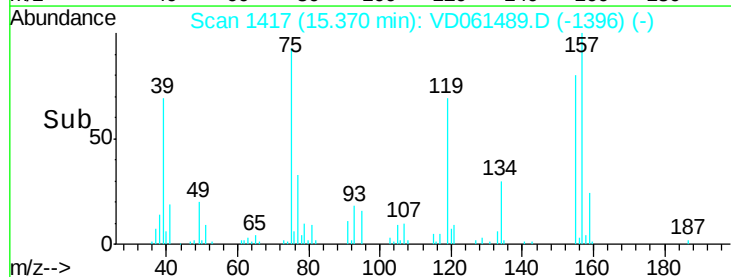
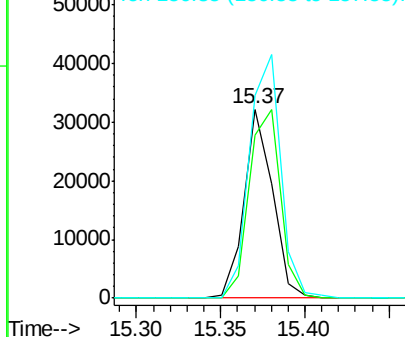


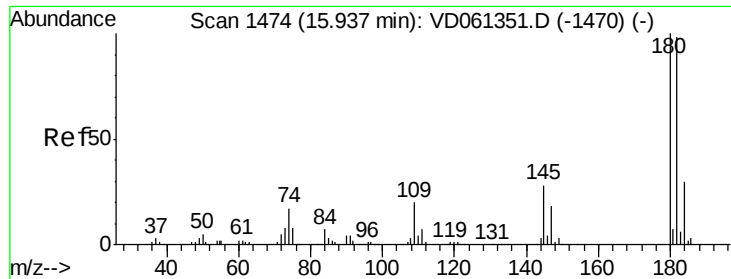
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 60.009 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Tgt Ion: 75 Resp: 37694
 Ion Ratio Lower Upper
 75 100
 155 86.0 43.6 130.9
 157 107.1 58.5 175.3



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

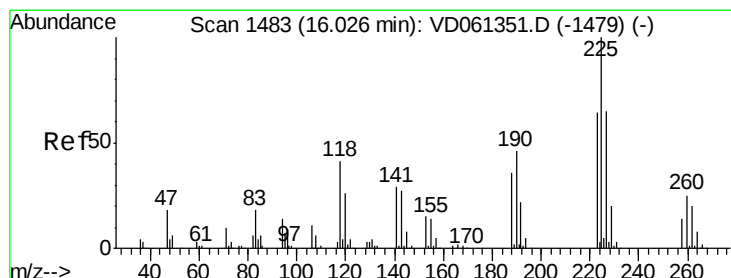
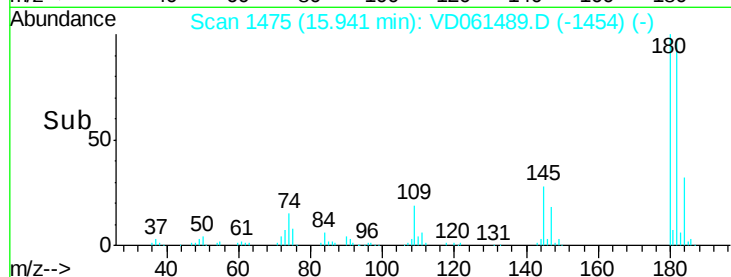
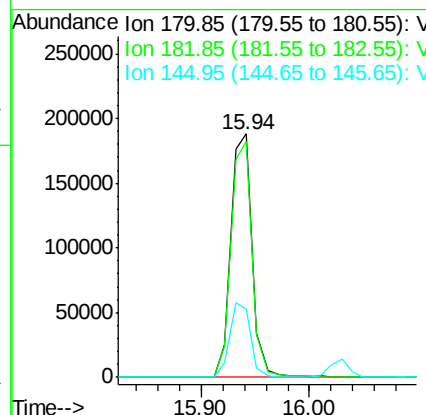
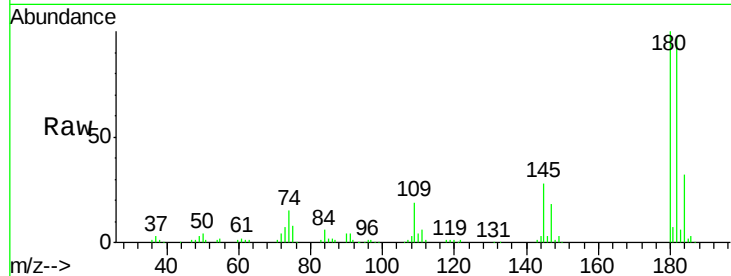




#93
 1,2,4-Trichlorobenzene
 Concen: 54.386 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

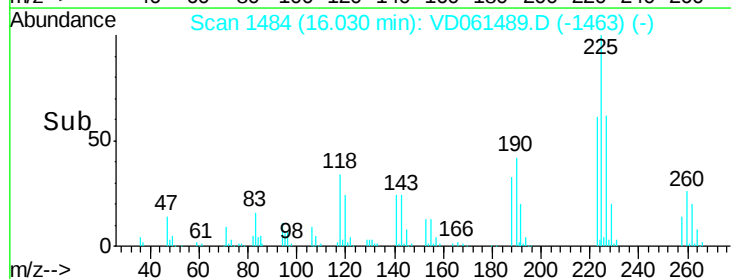
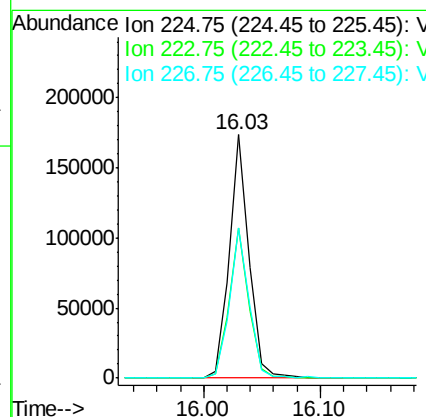
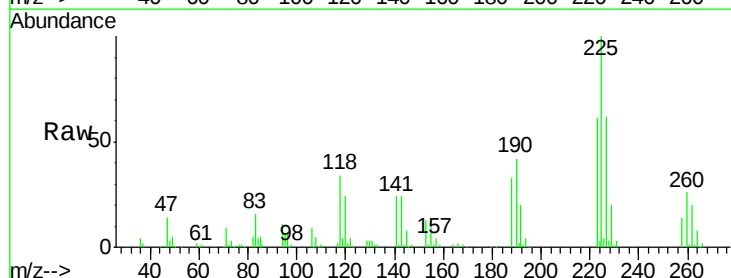
Instrument :
 MSVOA_D
 ClientSampleId :

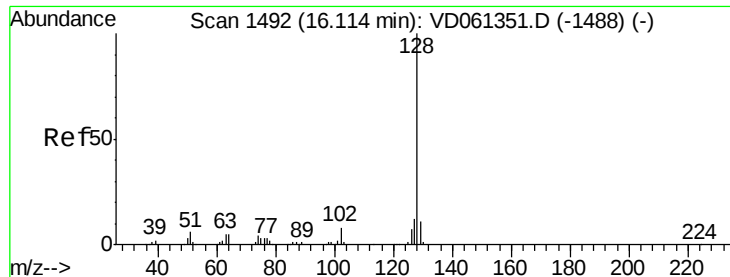
Tot Ion:180 Resp: 259006
 Ion Ratio Lower Upper
 180 100
 182 97.0 48.9 146.8
 145 28.3 14.1 42.3



#94
 Hexachlorobutadiene
 Concen: 54.538 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061489.D
 Acq: 2 Apr 2019 2:08

Tgt Ion:225 Resp: 202961
 Ion Ratio Lower Upper
 225 100
 223 61.5 32.0 96.0
 227 61.8 32.4 97.2

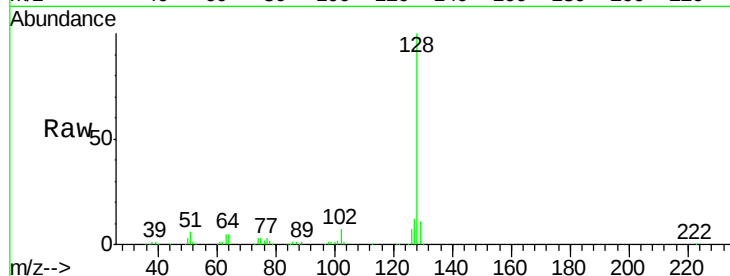




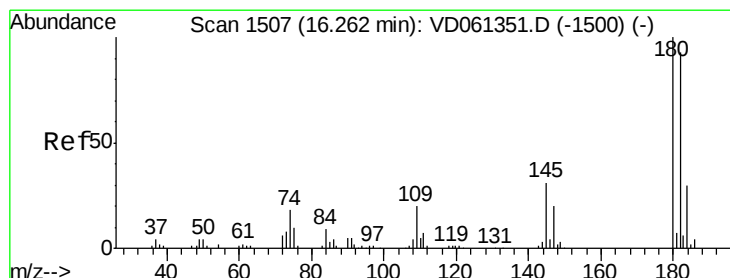
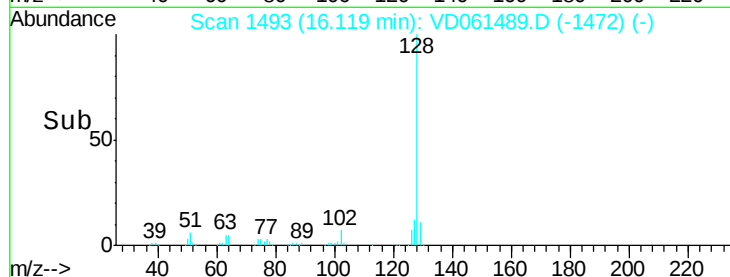
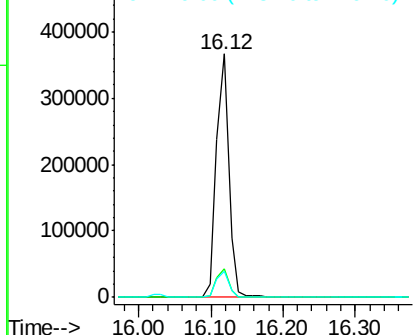
#95
Naphthalene
Concen: 60.045 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 435877
Ion Ratio Lower Upper
128 100
127 11.6 9.9 14.9
129 10.8 8.9 13.3

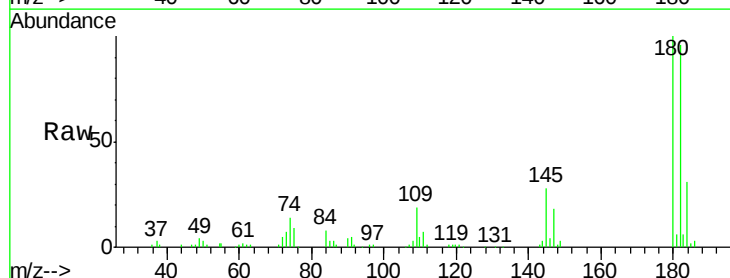


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 60.721 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. 0.00 min
Lab File: VD061489.D
Acq: 2 Apr 2019 2:08

Tgt Ion:180 Resp: 127251
Ion Ratio Lower Upper
180 100
182 95.5 46.4 139.1
145 28.3 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

