

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061492.D
 Acq On : 2 Apr 2019 3:58
 Operator : VA/AP
 Sample : VD0401SBS02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Apr 02 06:28:40 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	7.04	168	601087	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.21	114	986038	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.35	117	871833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	403381	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	280323	54.59	ug/l	0.00
Spiked Amount			Recovery	=	109.18%	
35) Dibromofluoromethane	6.91	113	414496	55.01	ug/l	0.00
Spiked Amount			Recovery	=	110.02%	
50) Toluene-d8	10.39	98	1003012	55.50	ug/l	0.00
Spiked Amount			Recovery	=	111.00%	
62) 4-Bromofluorobenzene	13.54	95	359931	51.94	ug/l	0.00
Spiked Amount			Recovery	=	103.88%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	118449	18.452	ug/l	97
3) Chloromethane	1.76	50	101067	19.305	ug/l	96
4) Vinyl Chloride	1.86	62	95108	19.785	ug/l	96
5) Bromomethane	2.15	94	17375	18.228	ug/l #	97
6) Chloroethane	2.27	64	25624	18.177	ug/l	93
7) Trichlorofluoromethane	2.53	101	119558	17.104	ug/l	96
8) Diethyl Ether	2.87	74	49097	21.816	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.15	101	144804	19.269	ug/l	92
10) Methyl Iodide	3.31	142	179728	18.108	ug/l	99
11) Tert butyl alcohol	4.06	59	31018	97.000	ug/l	99
12) 1,1-Dichloroethene	3.13	96	124052	19.227	ug/l	99
13) Acrolein	3.03	56	20996	69.646	ug/l	99
14) Allyl chloride	3.62	41	187084	20.790	ug/l	99
15) Acrylonitrile	4.18	53	112862	101.689	ug/l	98
16) Acetone	3.22	43	113892	86.284	ug/l	95
17) Carbon Disulfide	3.37	76	372082	17.750	ug/l	98
18) Methyl Acetate	3.63	43	64458	23.226	ug/l	99
19) Methyl tert-butyl Ether	4.23	73	236836	21.206	ug/l	99
20) Methylene Chloride	3.82	84	160761	20.612	ug/l	98
21) trans-1,2-Dichloroethene	4.21	96	137451	19.733	ug/l	99
22) Diisopropyl ether	5.11	45	412913	21.683	ug/l	97
23) Vinyl Acetate	5.05	43	1103639	106.693	ug/l	99
24) 1,1-Dichloroethane	4.97	63	231034	20.644	ug/l	99
25) 2-Butanone	6.05	43	160413	96.611	ug/l	99
26) 2,2-Dichloropropane	6.01	77	171852	19.317	ug/l	99
27) cis-1,2-Dichloroethene	6.02	96	164684	21.579	ug/l	95
28) Bromochloromethane	6.43	49	94612	20.943	ug/l #	97
29) Tetrahydrofuran	6.45	42	92398	114.810	ug/l	97
30) Chloroform	6.65	83	252726	21.855	ug/l	98
31) Cyclohexane	6.95	56	163392	18.475	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	196035	19.216	ug/l	99
36) 1,1-Dichloropropene	7.13	75	170714	19.837	ug/l	96
37) Ethyl Acetate	6.17	43	85837	23.322	ug/l	97
38) Carbon Tetrachloride	7.10	117	195898	19.810	ug/l	96

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Instrument :
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 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)
39) Methylcyclohexane	8.85	83	170020	18.969	ug/l	97
40) Benzene	7.44	78	463102	21.441	ug/l	97
41) Methacrylonitrile	6.43	41	102774	23.882	ug/l #	89
42) 1,2-Dichloroethane	7.57	62	150345	23.271	ug/l	99
43) Isopropyl Acetate	9.22	43	116396	21.736	ug/l	97
44) Trichloroethene	8.52	130	164241	20.434	ug/l	97
45) 1,2-Dichloropropane	8.93	63	119972	21.906	ug/l	99
46) Dibromomethane	9.04	93	82060	22.261	ug/l	96
47) Bromodichloromethane	9.36	83	176309	21.310	ug/l	98
48) Methyl methacrylate	9.10	41	68199	23.076	ug/l	97
49) 1,4-Dioxane	9.07	88	13637	418.338	ug/l	90
51) 4-Methyl-2-Pentanone	10.28	43	370089	113.594	ug/l	97
52) Toluene	10.49	92	271229	20.584	ug/l	100
53) t-1,3-Dichloropropene	10.89	75	157186	20.911	ug/l	98
54) cis-1,3-Dichloropropene	10.02	75	191228	20.892	ug/l	96
55) 1,1,2-Trichloroethane	11.17	97	103200	22.395	ug/l	97
56) Ethyl methacrylate	11.02	69	105577	21.327	ug/l	95
57) 1,3-Dichloropropane	11.39	76	142611	21.055	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.84	63	325387	134.969	ug/l	97
59) 2-Hexanone	11.52	43	280199	118.702	ug/l	99
60) Dibromochloromethane	11.67	129	156672	22.054	ug/l	100
61) 1,2-Dibromoethane	11.79	107	115920	21.724	ug/l	100
64) Tetrachloroethene	11.24	164	130461	19.067	ug/l	99
65) Chlorobenzene	12.38	112	357931	20.089	ug/l	96
66) 1,1,1,2-Tetrachloroethane	12.50	131	145322	21.065	ug/l	99
67) Ethyl Benzene	12.51	91	585566	21.531	ug/l	96
68) m/p-Xylenes	12.66	106	413721	40.160	ug/l	97
69) o-Xylene	13.04	106	204261	20.432	ug/l	96
70) Styrene	13.06	104	354985	20.370	ug/l	98
71) Bromoform	13.23	173	89683	20.508	ug/l	97
73) Isopropylbenzene	13.40	105	552401	19.676	ug/l	100
74) N-amyl acetate	13.26	43	158303	20.241	ug/l	99
75) 1,1,2,2-Tetrachloroethane	13.69	83	114608	19.352	ug/l	97
76) 1,2,3-Trichloropropane	13.72	75	117757	20.209	ug/l	97
77) Bromobenzene	13.66	156	146103	17.554	ug/l	86
78) n-propylbenzene	13.76	91	672399	19.571	ug/l	96
79) 2-Chlorotoluene	13.83	91	370925	19.883	ug/l	97
80) 1,3,5-Trimethylbenzene	13.93	105	410076	18.826	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.46	75	30872	17.377	ug/l	92
82) 4-Chlorotoluene	13.94	91	409393	20.183	ug/l	90
83) tert-Butylbenzene	14.18	119	492206	18.081	ug/l	96
84) 1,2,4-Trimethylbenzene	14.23	105	445684	18.899	ug/l	96
85) sec-Butylbenzene	14.36	105	514845	17.803	ug/l	99
86) p-Isopropyltoluene	14.48	119	506824	20.725	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	293371	20.815	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	277707	20.205	ug/l	97
89) n-Butylbenzene	14.79	91	450731	20.081	ug/l	97
90) Hexachloroethane	15.00	117	128482	18.597	ug/l	84
91) 1,2-Dichlorobenzene	14.80	146	234210	20.259	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.37	75	14352	20.662	ug/l	68

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Misc : 5.00g/5ml/MSVOA D/SOIL
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Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Apr 02 06:28:40 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

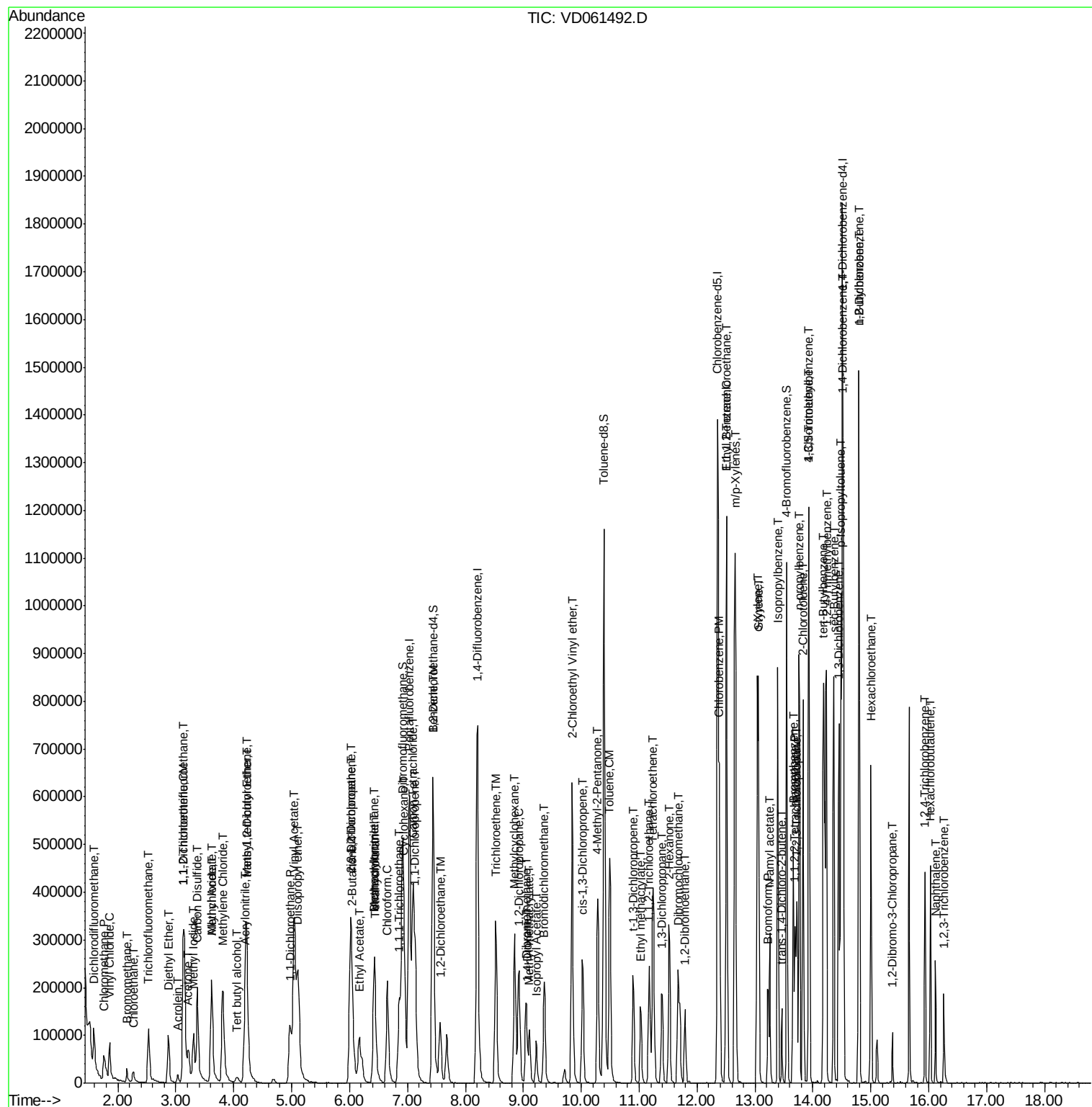
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	104453	19.834	ug/l	98
94) Hexachlorobutadiene	16.03	225	78674	19.118	ug/l	97
95) Naphthalene	16.11	128	155555	19.378	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	44190	19.069	ug/l	97

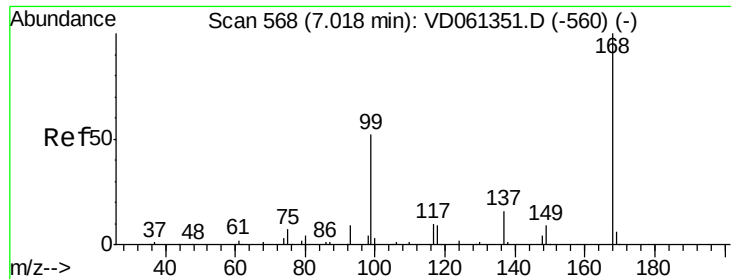
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD040119\
 Data File : VD061492.D
 Acq On : 2 Apr 2019 3:58
 Operator : VA/AP
 Sample : VD0401SBSD02
 Misc : 5.00µl/5ml/MSVOA D/SOIL
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Quant Time: Apr 02 06:28:40 2019
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D032719S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 28 09:22:37 2019
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. 0.02 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Instrument :

MSVOA_D

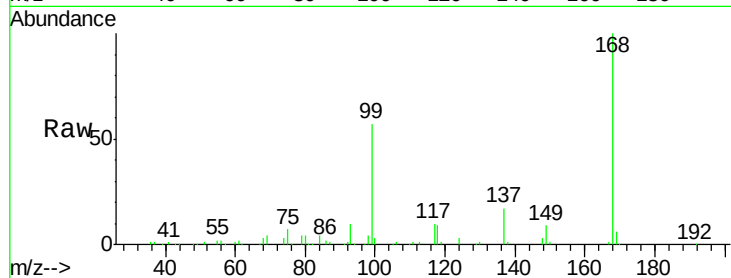
ClientSampleId :

Tot Ion:168 Resp: 601087

Ion Ratio Lower Upper

168 100

99 57.0 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

150000

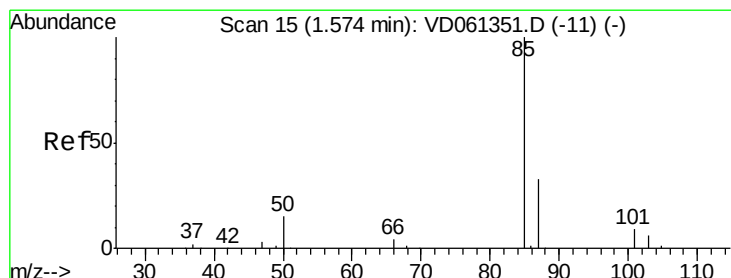
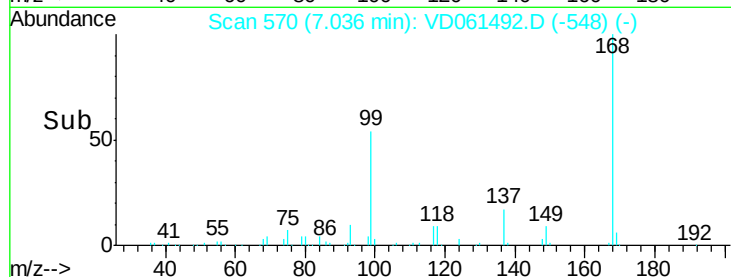
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 18.452 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061492.D

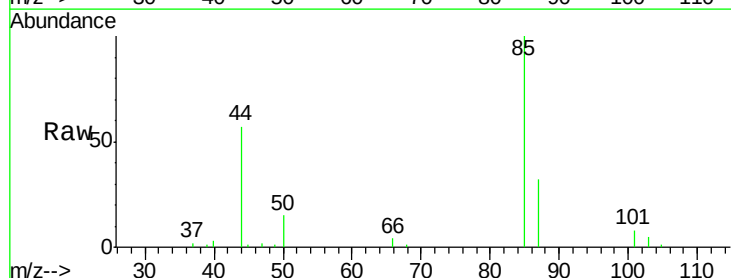
Acq: 2 Apr 2019 3:58

Tgt Ion: 85 Resp: 118449

Ion Ratio Lower Upper

85 100

87 31.6 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

60000

50000

40000

30000

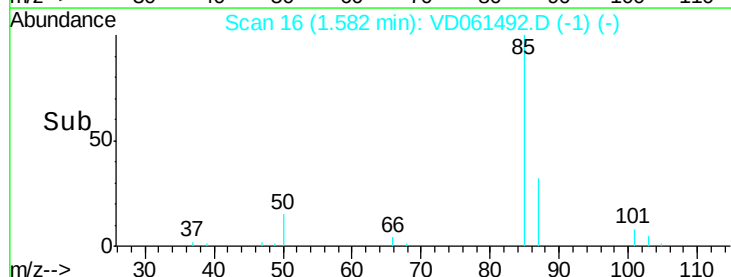
20000

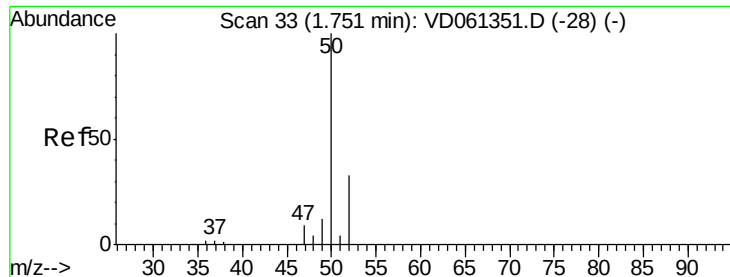
10000

0

1.50 1.60 1.70

Time-->





#3

Chloromethane

Concen: 19.305 ug/l

RT: 1.76 min Scan# 34

Delta R.T. 0.01 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Instrument :

MSVOA_D

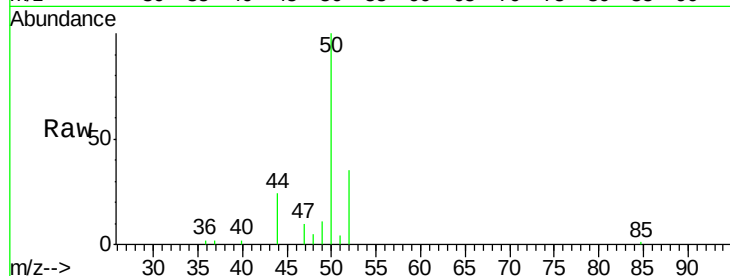
ClientSampleId :

Tot Ion: 50 Resp: 101067

Ion Ratio Lower Upper

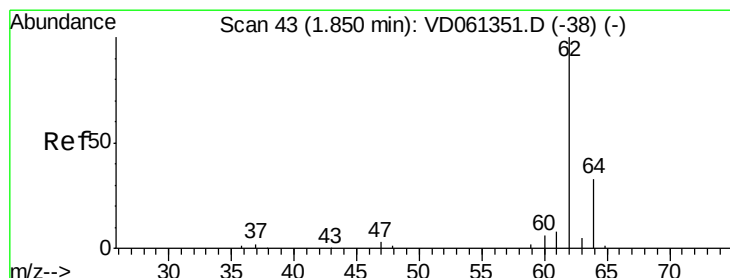
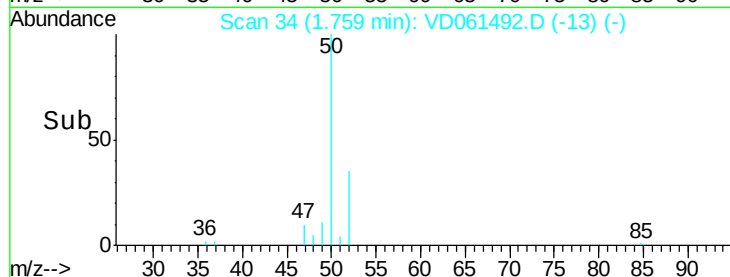
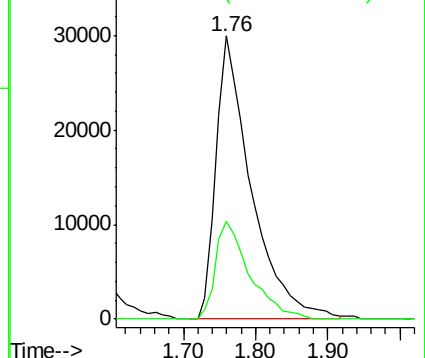
50 100

52 34.6 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: 19.785 ug/l

RT: 1.86 min Scan# 44

Delta R.T. 0.01 min

Lab File: VD061492.D

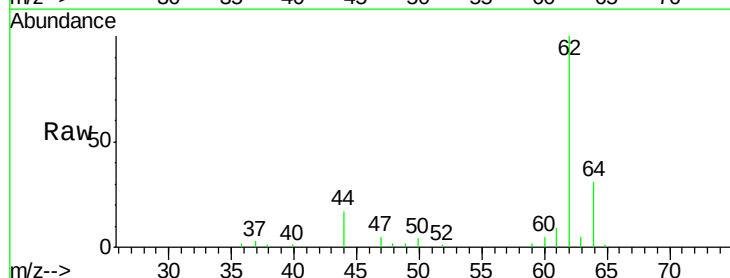
Acq: 2 Apr 2019 3:58

Tgt Ion: 62 Resp: 95108

Ion Ratio Lower Upper

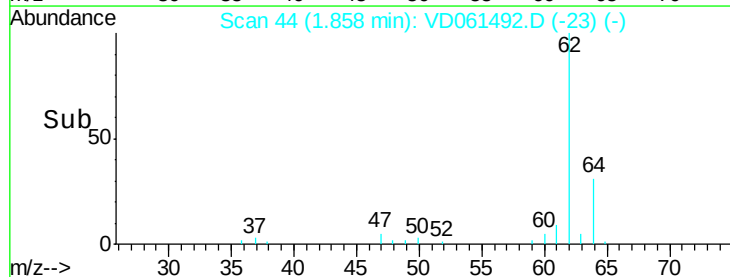
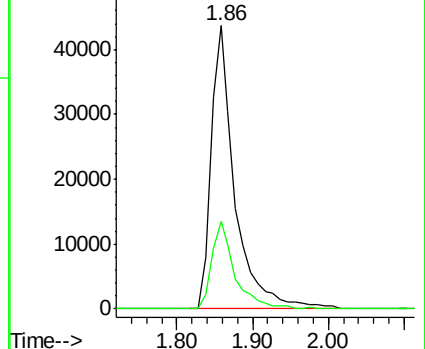
62 100

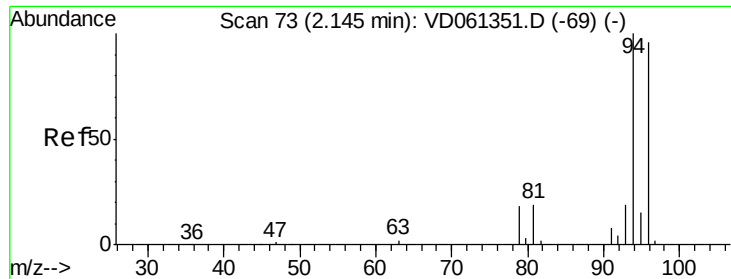
64 31.0 26.6 39.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 18.228 ug/l

RT: 2.15 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Instrument :

MSVOA_D

ClientSampleId :

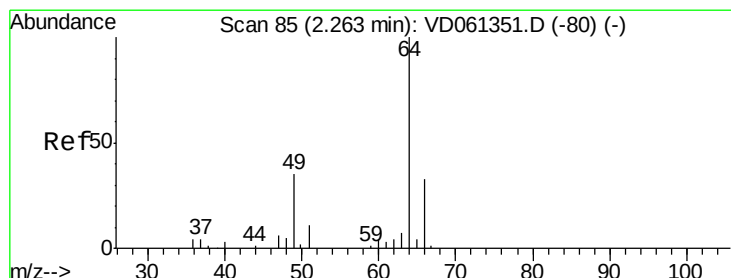
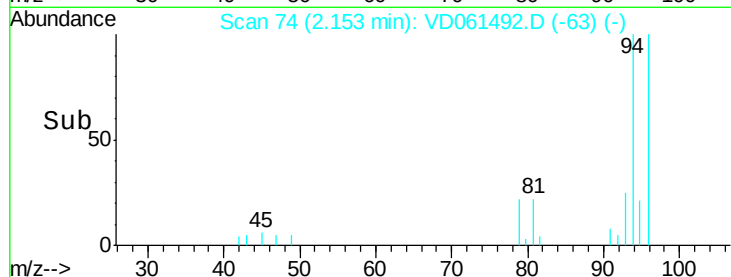
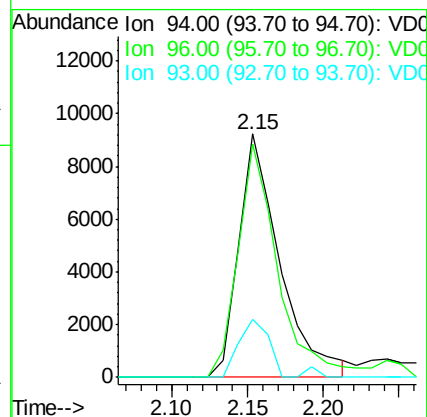
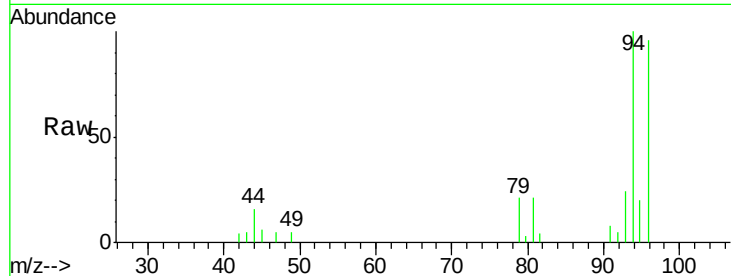
Tot Ion: 94 Resp: 17375

Ion Ratio Lower Upper

94 100

96 95.9 78.3 117.5

93 23.8 15.6 23.4#



#6

Chloroethane

Concen: 18.177 ug/l

RT: 2.27 min Scan# 86

Delta R.T. 0.01 min

Lab File: VD061492.D

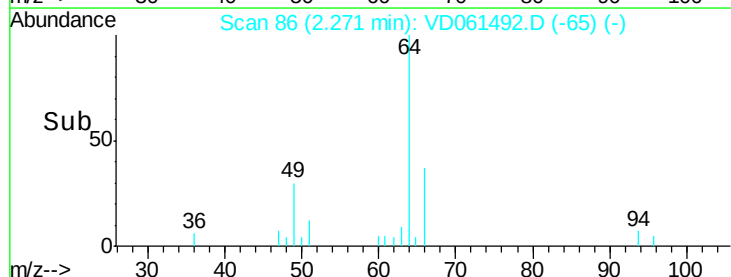
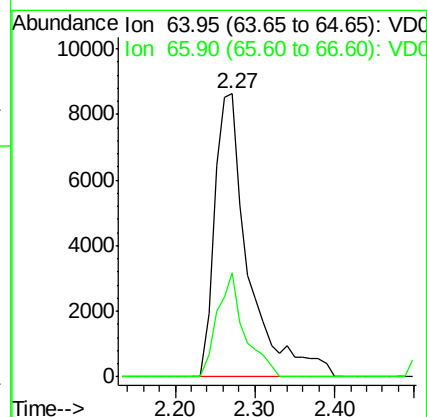
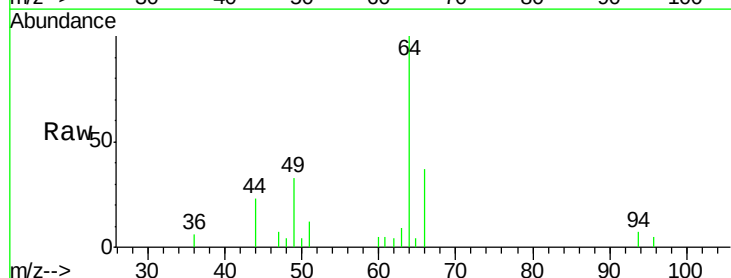
Acq: 2 Apr 2019 3:58

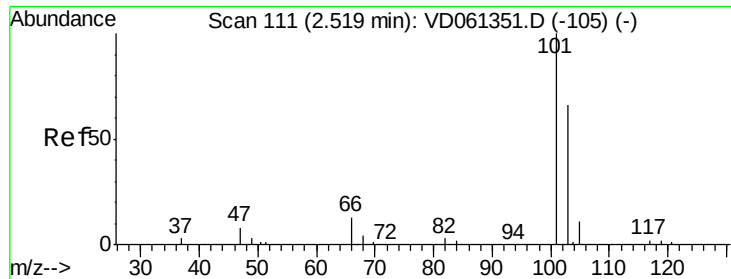
Tgt Ion: 64 Resp: 25624

Ion Ratio Lower Upper

64 100

66 36.9 26.2 39.2



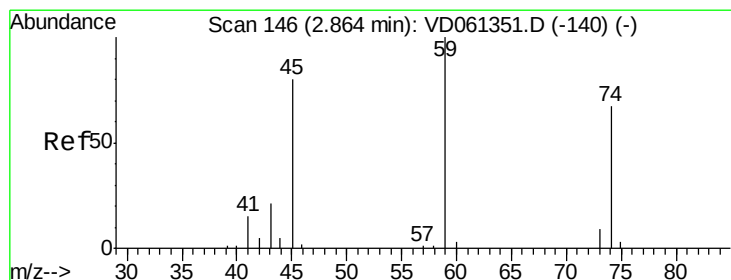
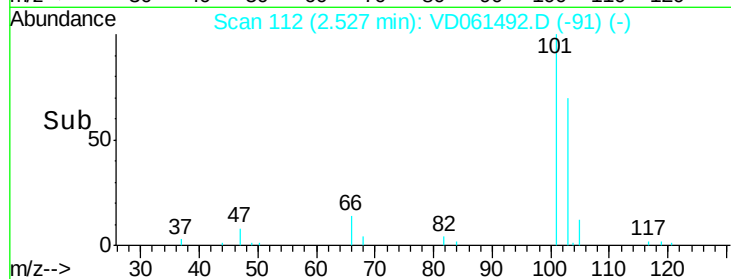
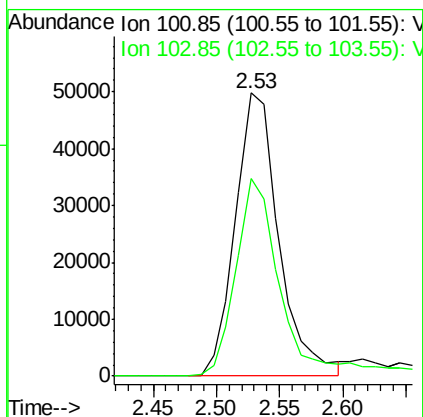
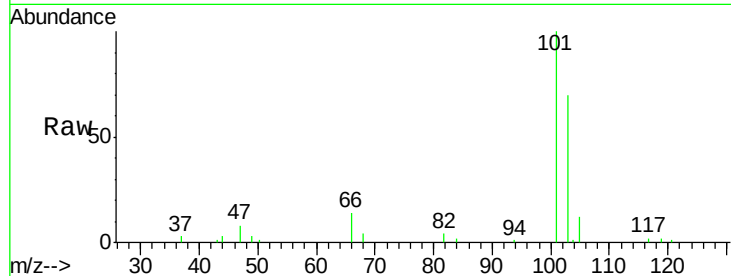


#7

Trichlorofluoromethane
 Concen: 17.104 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. 0.01 min
 Lab File: VD061492.D
 Acq: 2 Apr 2019 3:58

Instrument :
 MSVOA_D
 ClientSampled :

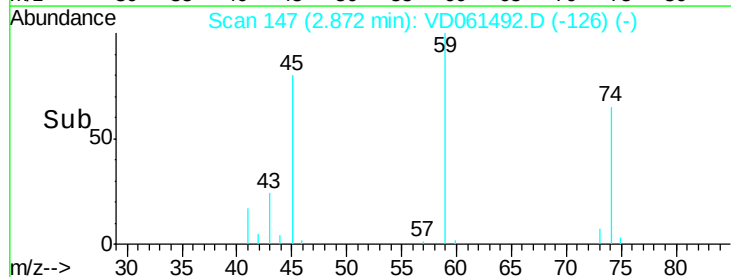
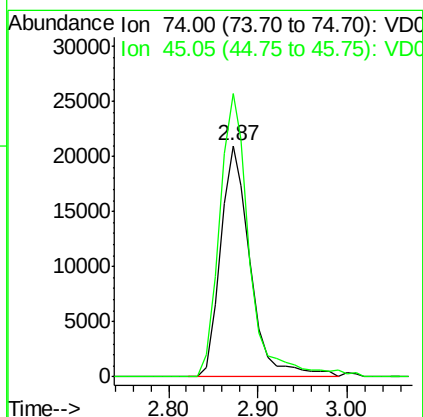
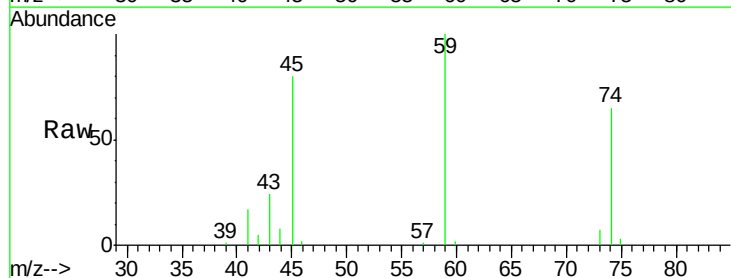
Tot Ion:101 Resp: 119558
 Ion Ratio Lower Upper
 101 100
 103 69.8 53.1 79.7

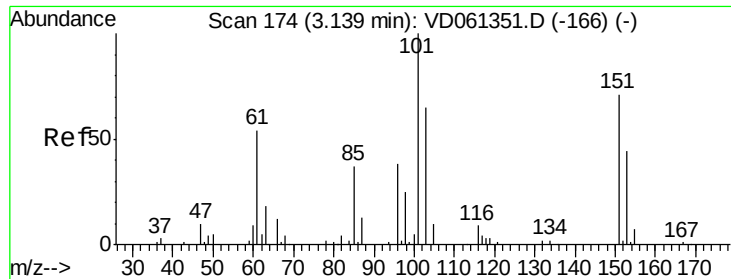


#8

Diethyl Ether
 Concen: 21.816 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD061492.D
 Acq: 2 Apr 2019 3:58

Tgt Ion: 74 Resp: 49097
 Ion Ratio Lower Upper
 74 100
 45 122.6 59.7 179.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.269 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Instrument :

MSVOA_D

ClientSampleId :

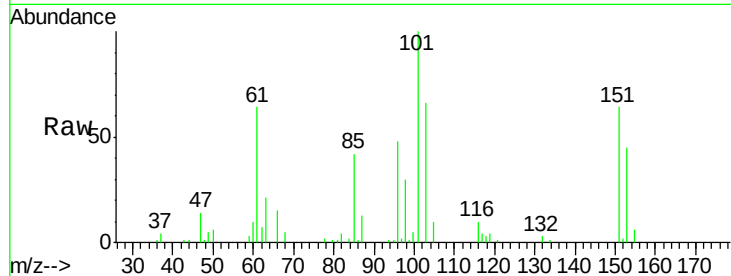
Tot Ion:101 Resp: 144804

Ion Ratio Lower Upper

101 100

85 41.5 29.4 44.0

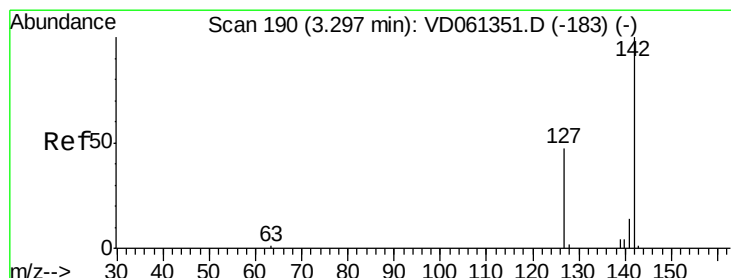
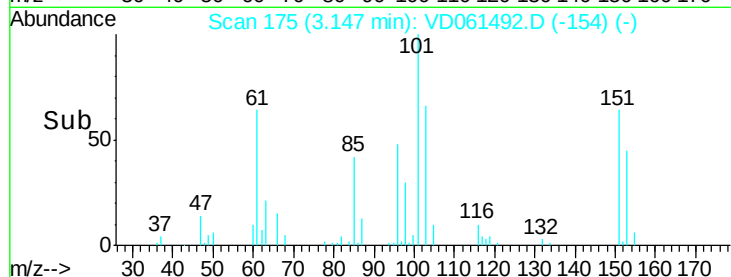
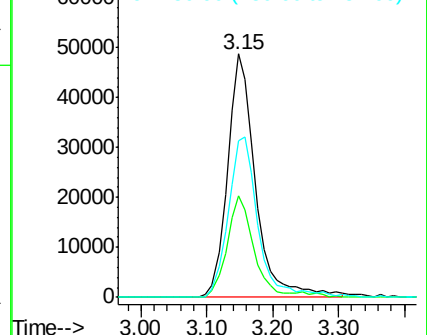
151 64.3 57.0 85.4



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: 18.108 ug/l

RT: 3.31 min Scan# 191

Delta R.T. 0.01 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

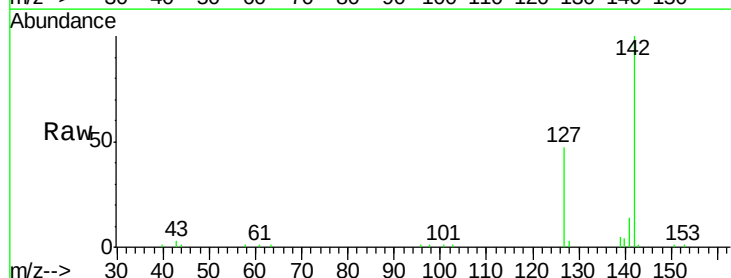
Tgt Ion:142 Resp: 179728

Ion Ratio Lower Upper

142 100

127 46.7 37.7 56.5

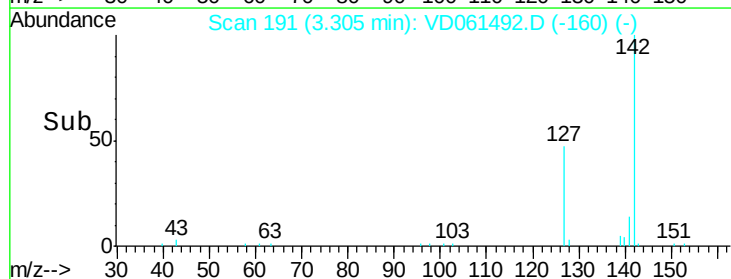
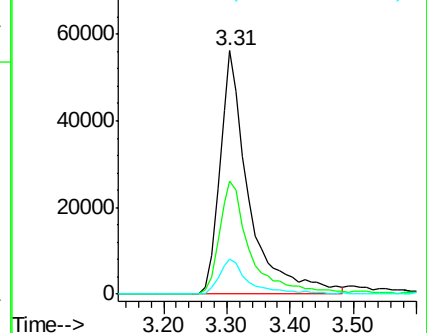
141 14.4 11.5 17.3

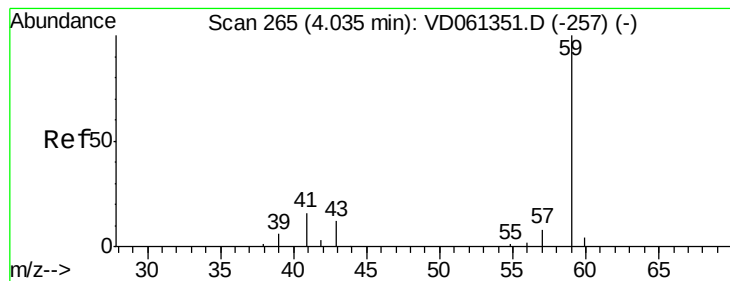


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 97.000 ug/l

RT: 4.06 min Scan# 268

Delta R.T. 0.03 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Instrument :

MSVOA_D

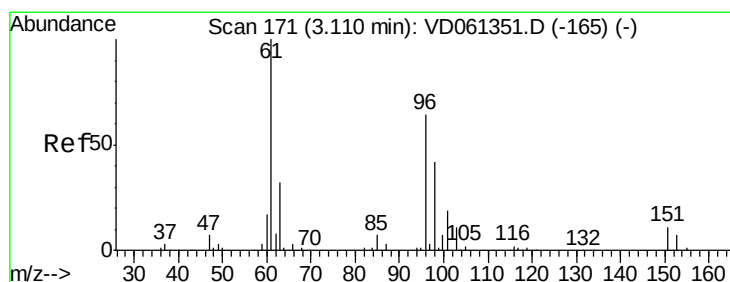
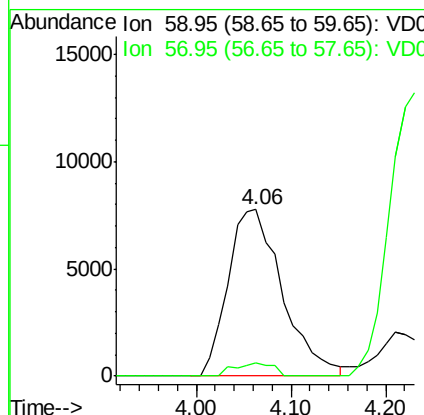
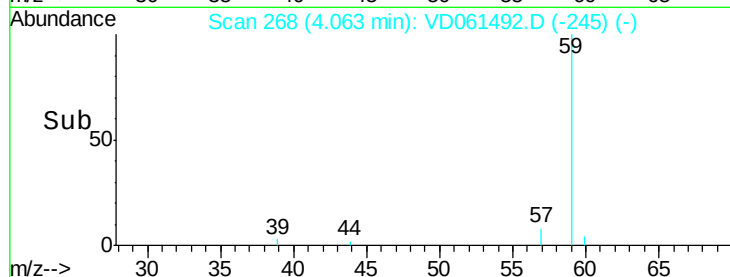
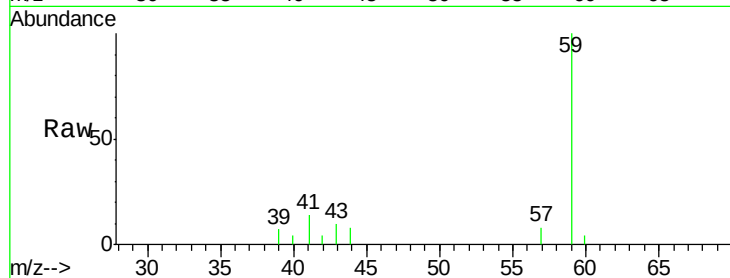
ClientSampled :

Tot Ion: 59 Resp: 31018

Ion Ratio Lower Upper

59 100

57 7.9 6.7 10.1



#12

1,1-Dichloroethene

Concen: 19.227 ug/l

RT: 3.13 min Scan# 173

Delta R.T. 0.02 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

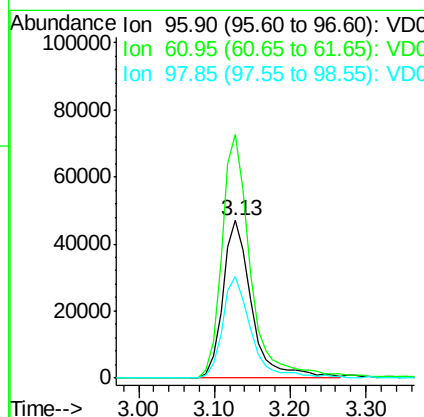
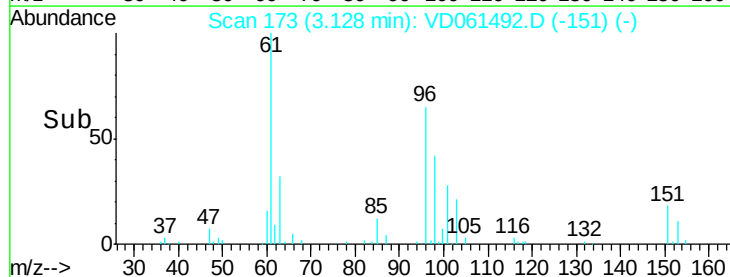
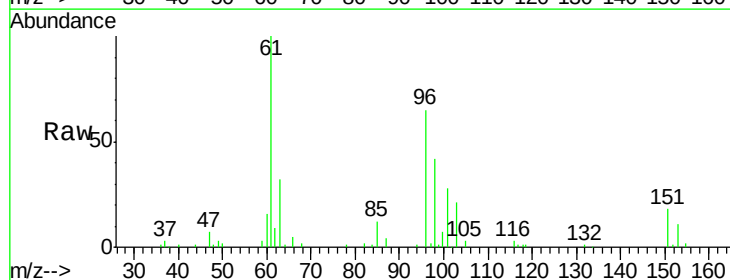
Tgt Ion: 96 Resp: 124052

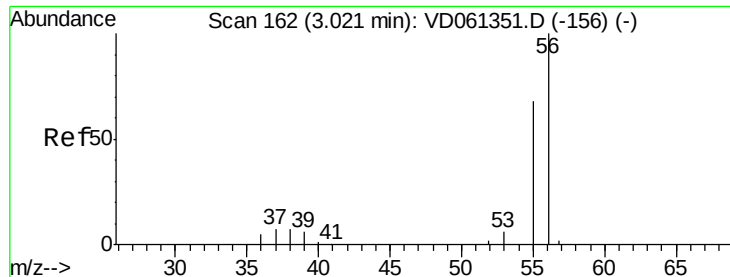
Ion Ratio Lower Upper

96 100

61 154.7 124.9 187.3

98 64.7 52.5 78.7





#13

Acrolein

Concen: 69.646 ug/l

RT: 3.03 min Scan# 163

Delta R.T. 0.01 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Instrument :

MSVOA_D

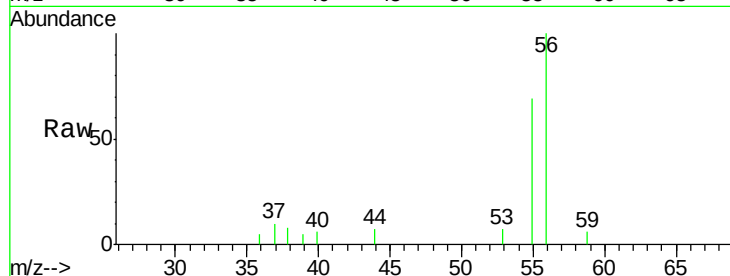
ClientSampleId :

Tot Ion: 56 Resp: 20996

Ion Ratio Lower Upper

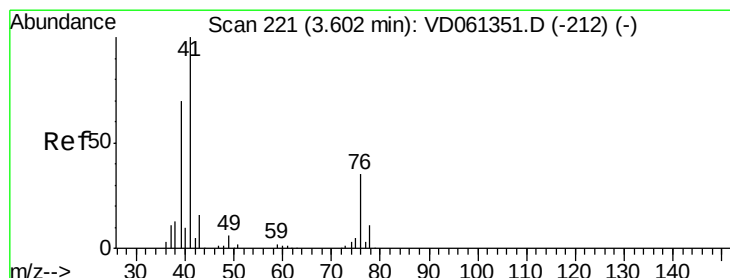
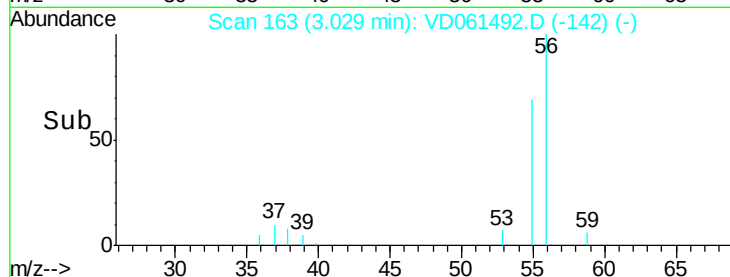
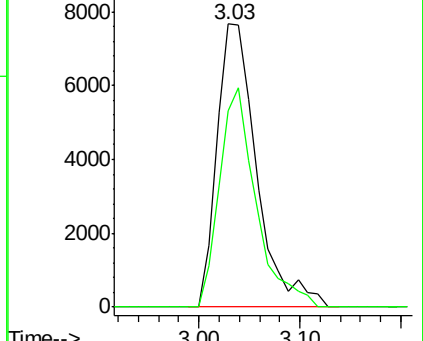
56 100

55 69.2 54.6 82.0



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.790 ug/l

RT: 3.62 min Scan# 223

Delta R.T. 0.02 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

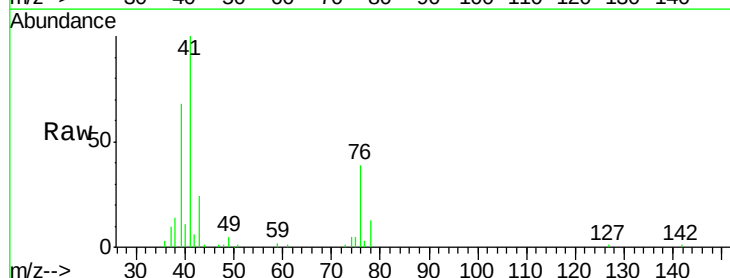
Tgt Ion: 41 Resp: 187084

Ion Ratio Lower Upper

41 100

39 68.2 55.6 83.4

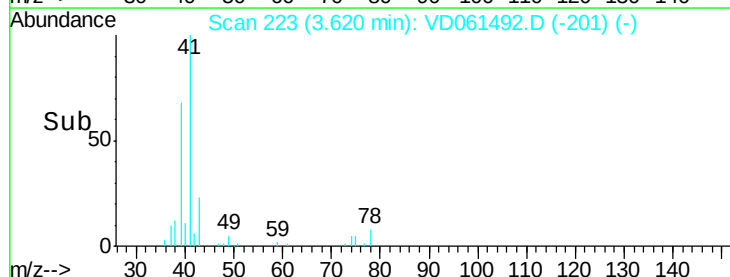
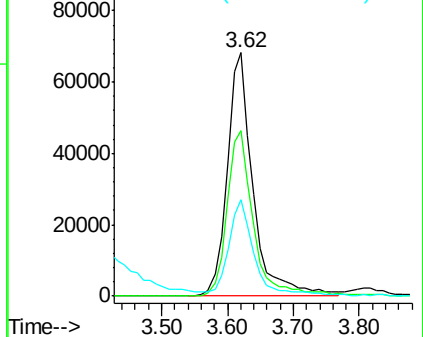
76 39.5 31.0 46.6

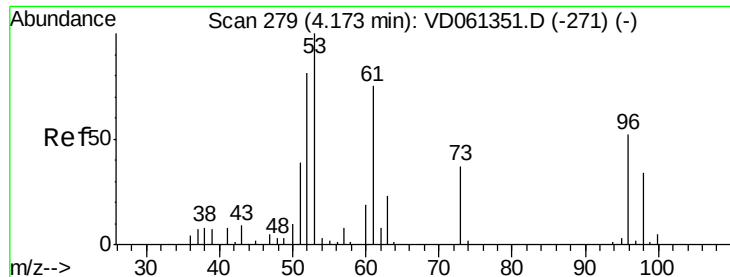


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 101.689 ug/l

RT: 4.18 min Scan# 280

Delta R.T. 0.01 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Instrument :

MSVOA_D

ClientSampled :

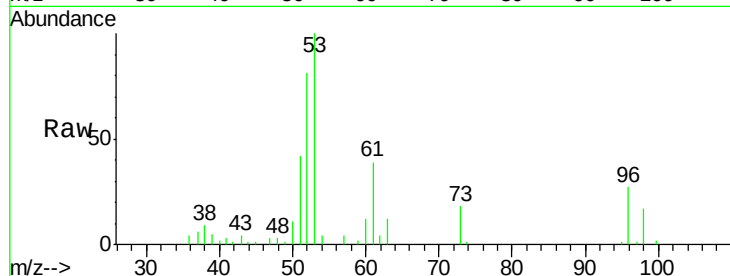
Tot Ion: 53 Resp: 112862

Ion Ratio Lower Upper

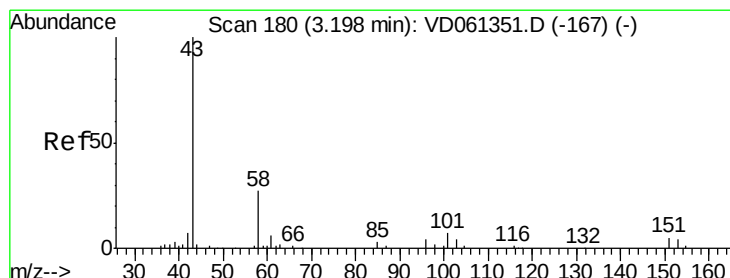
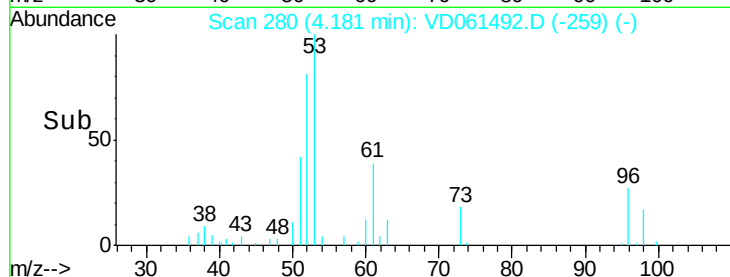
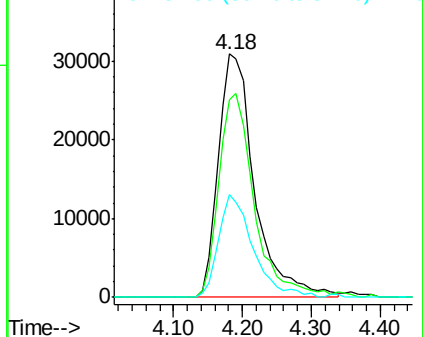
53 100

52 80.9 64.8 97.2

51 42.0 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: 86.284 ug/l

RT: 3.22 min Scan# 182

Delta R.T. 0.02 min

Lab File: VD061492.D

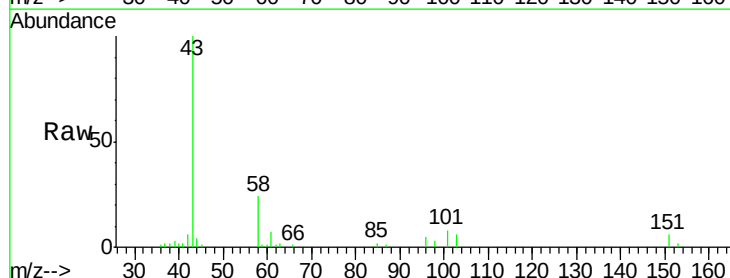
Acq: 2 Apr 2019 3:58

Tgt Ion: 43 Resp: 113892

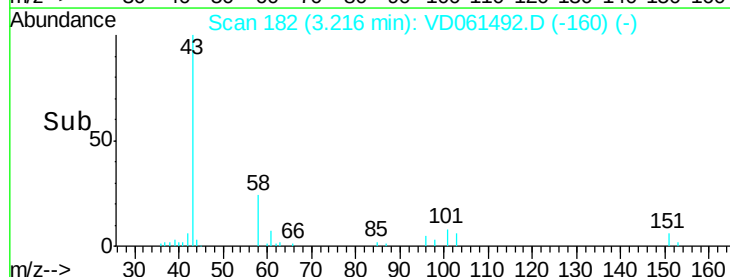
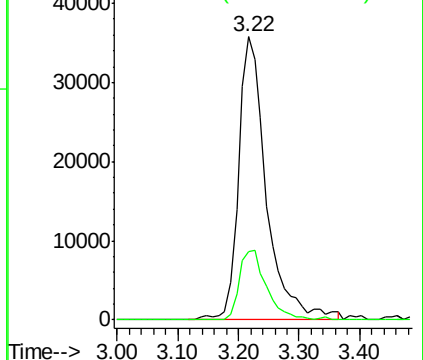
Ion Ratio Lower Upper

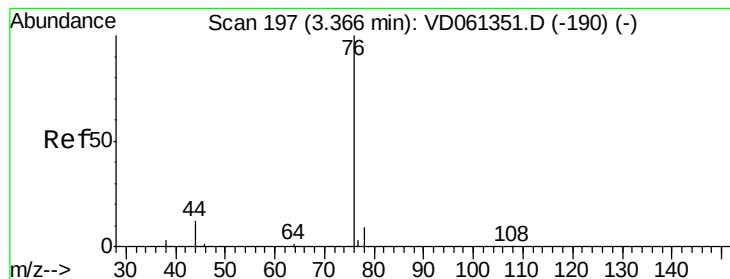
43 100

58 24.1 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: 17.750 ug/l

RT: 3.37 min Scan# 198

Delta R.T. 0.01 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Instrument :

MSVOA_D

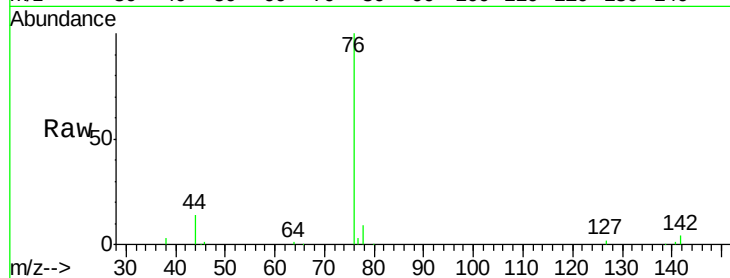
ClientSampleId :

Tot Ion: 76 Resp: 372082

Ion Ratio Lower Upper

76 100

78 9.5 7.1 10.7



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.37

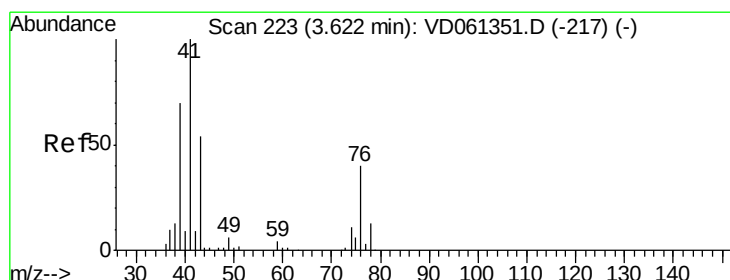
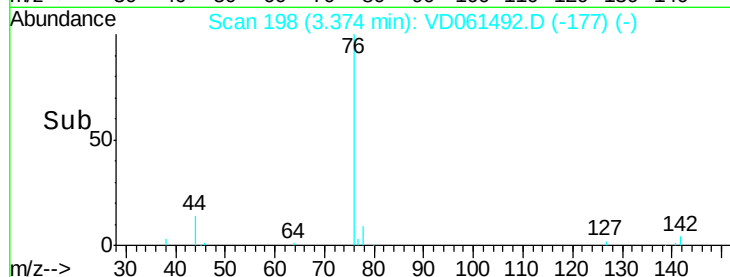
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 23.226 ug/l

RT: 3.63 min Scan# 224

Delta R.T. 0.01 min

Lab File: VD061492.D

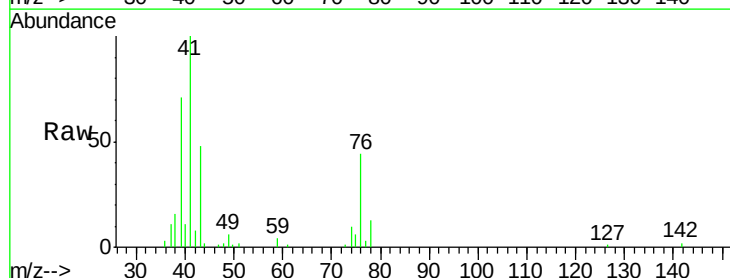
Acq: 2 Apr 2019 3:58

Tgt Ion: 43 Resp: 64458

Ion Ratio Lower Upper

43 100

74 20.4 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

25000

20000

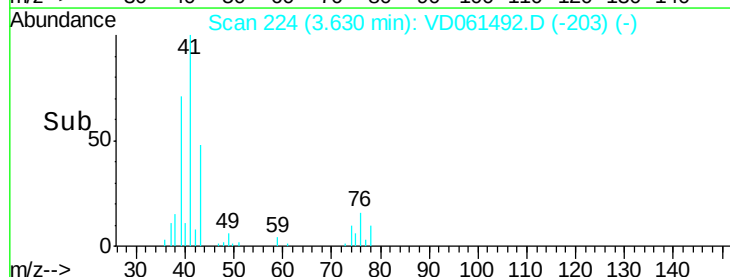
15000

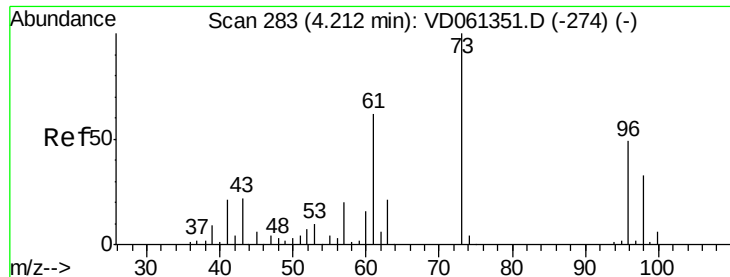
10000

5000

0

Time-->

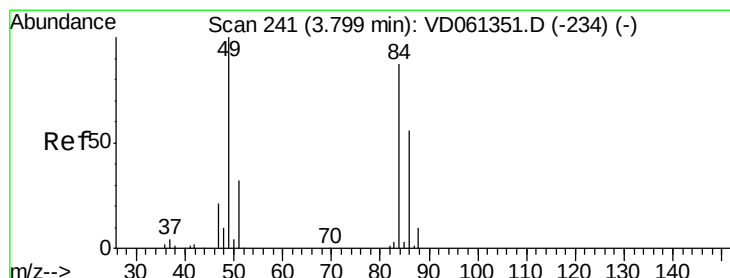
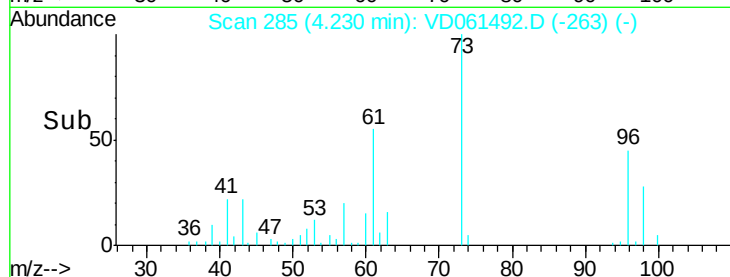
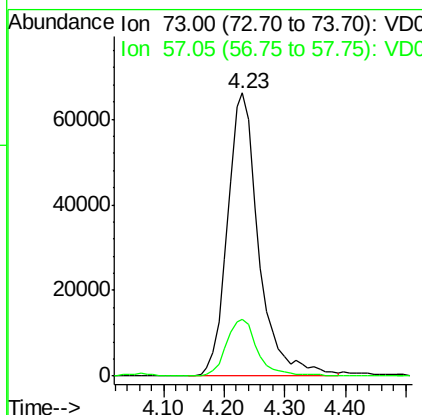
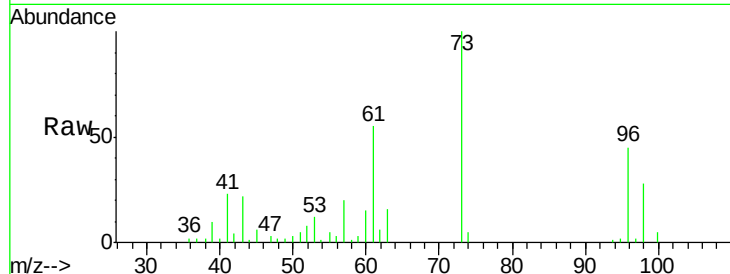




#19
Methyl tert-butyl Ether
Concen: 21.206 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.02 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

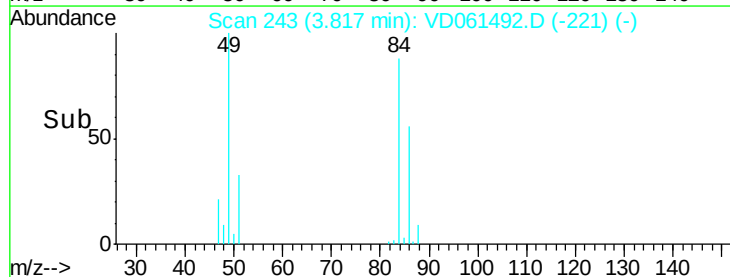
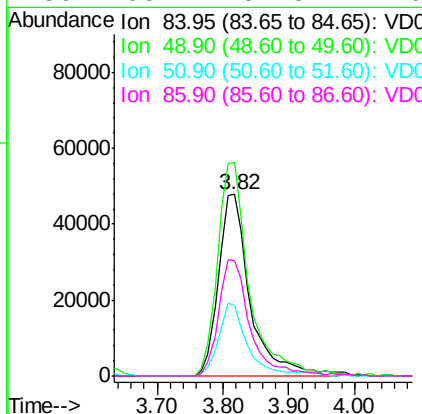
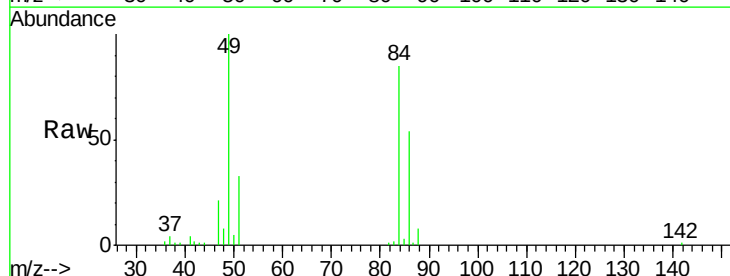
Instrument :
MSVOA_D
ClientSampleID :

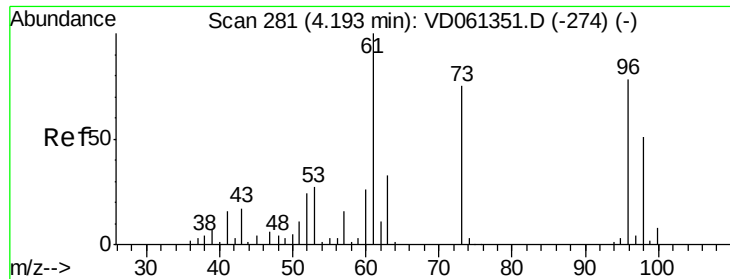
Tot Ion: 73 Resp: 236836
Ion Ratio Lower Upper
73 100
57 20.0 16.4 24.6



#20
Methylene Chloride
Concen: 20.612 ug/l
RT: 3.82 min Scan# 243
Delta R.T. 0.02 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Tgt Ion: 84 Resp: 160761
Ion Ratio Lower Upper
84 100
49 117.6 91.8 137.8
51 38.7 29.8 44.8
86 63.7 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 19.733 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.02 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Instrument :

MSVOA_D

ClientSampleId :

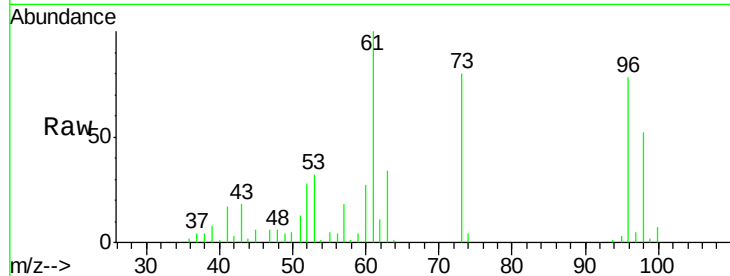
Tot Ion: 96 Resp: 137451

Ion Ratio Lower Upper

96 100

61 128.7 102.7 154.1

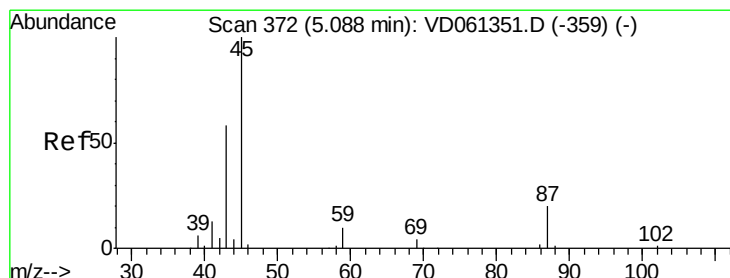
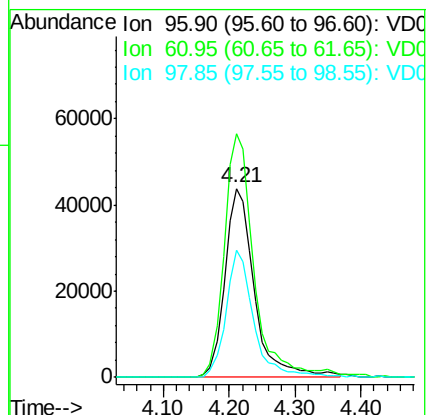
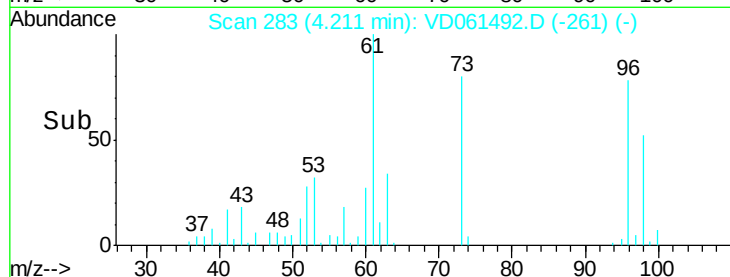
98 67.5 52.2 78.4



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: 21.683 ug/l

RT: 5.11 min Scan# 374

Delta R.T. 0.02 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Tgt Ion: 45 Resp: 412913

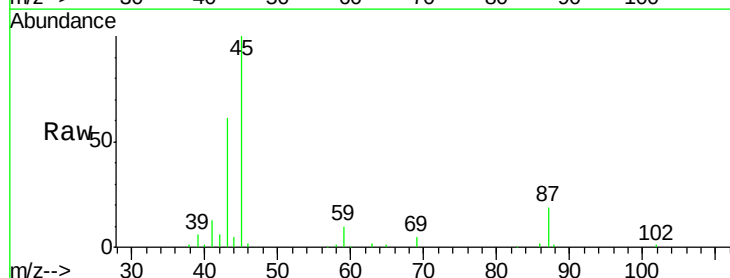
Ion Ratio Lower Upper

45 100

43 61.1 47.4 71.2

87 18.6 16.3 24.5

59 9.6 8.4 12.6

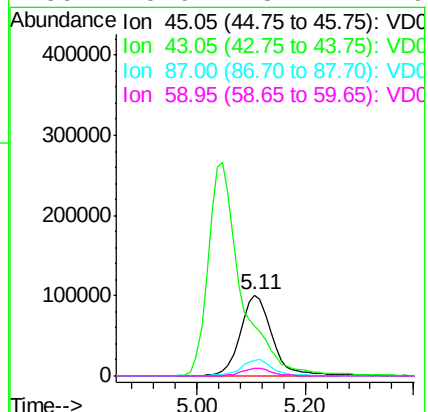
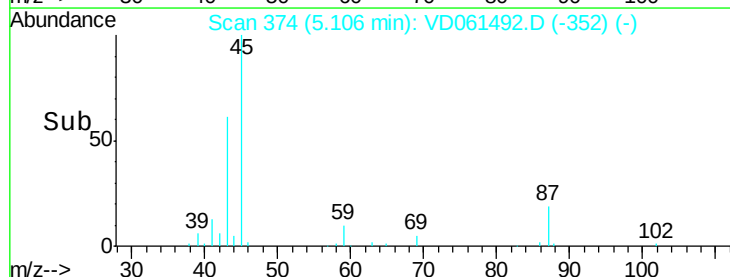


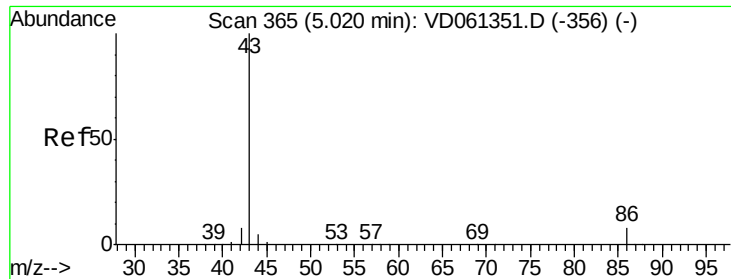
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 106.693 ug/l

RT: 5.05 min Scan# 368

Delta R.T. 0.03 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Instrument :

MSVOA_D

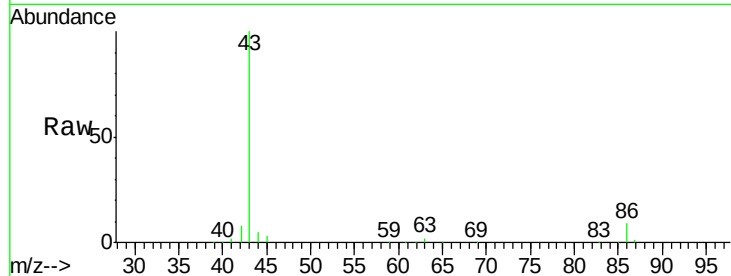
ClientSampled :

Tot Ion: 43 Resp: 1103639

Ion Ratio Lower Upper

43 100

86 8.6 6.7 10.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

5.05

250000

200000

150000

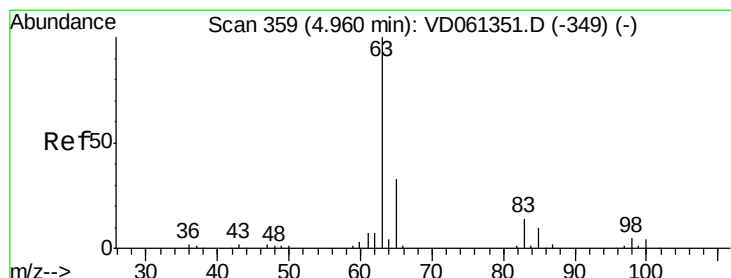
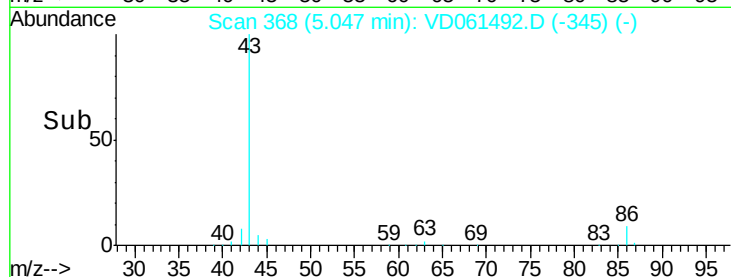
100000

50000

0

Time-->

4.90 5.00 5.10 5.20



#24

1,1-Dichloroethane

Concen: 20.644 ug/l

RT: 4.97 min Scan# 360

Delta R.T. 0.01 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

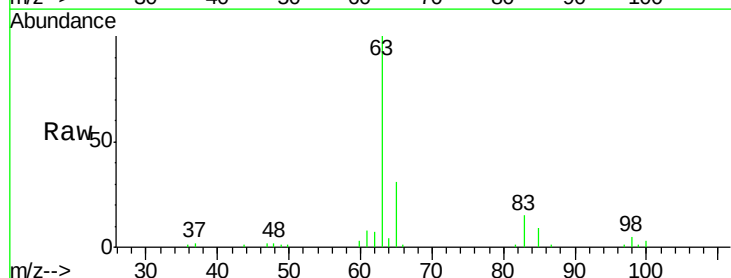
Tgt Ion: 63 Resp: 231034

Ion Ratio Lower Upper

63 100

98 5.3 2.6 8.0

100 3.1 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

4.97

80000

60000

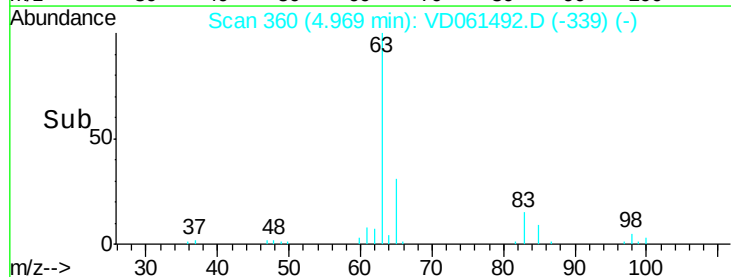
40000

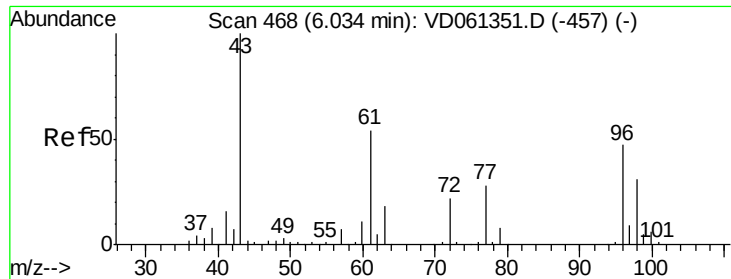
20000

0

Time-->

4.80 4.90 5.00 5.10 5.20





#25

2-Butanone

Concen: 96.611 ug/l

RT: 6.05 min Scan# 470

Delta R.T. 0.02 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Instrument :

MSVOA_D

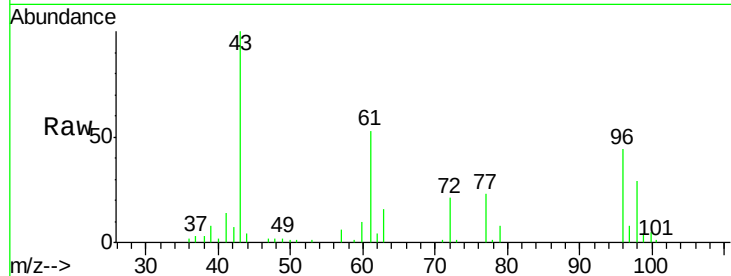
ClientSampleId :

Tot Ion: 43 Resp: 160413

Ion Ratio Lower Upper

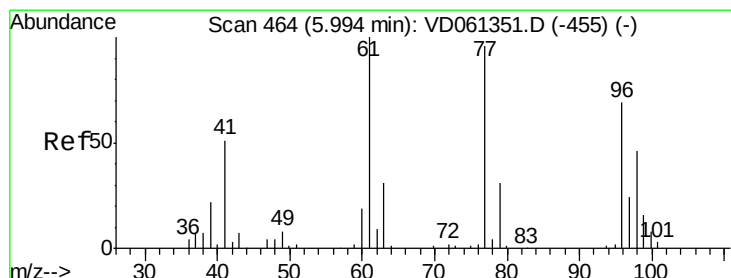
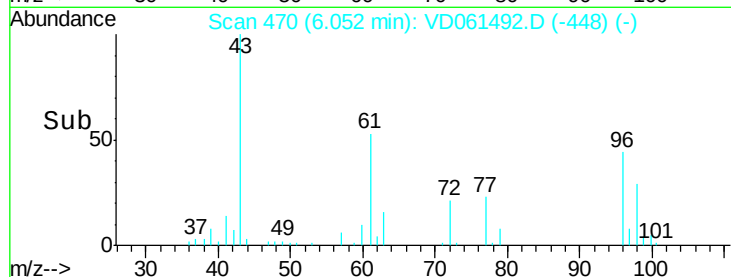
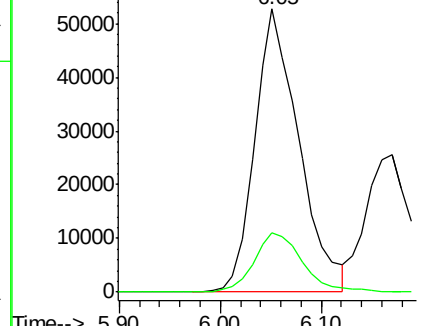
43 100

72 20.9 17.2 25.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 19.317 ug/l

RT: 6.01 min Scan# 466

Delta R.T. 0.02 min

Lab File: VD061492.D

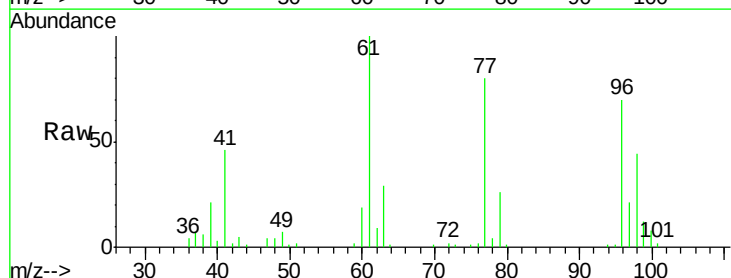
Acq: 2 Apr 2019 3:58

Tgt Ion: 77 Resp: 171852

Ion Ratio Lower Upper

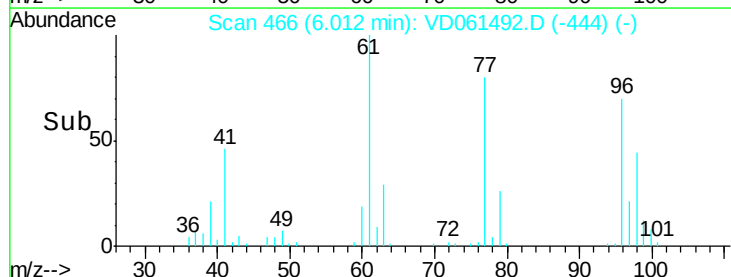
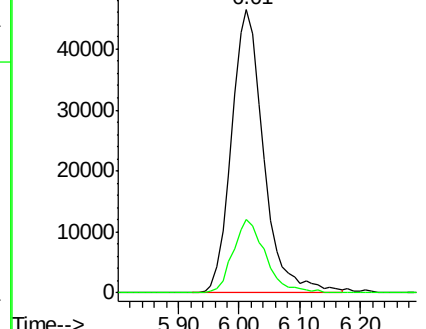
77 100

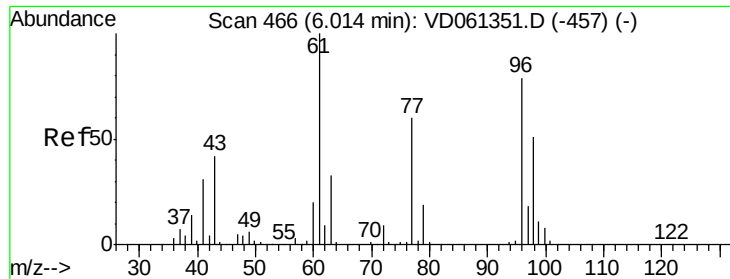
97 25.8 12.7 38.0



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



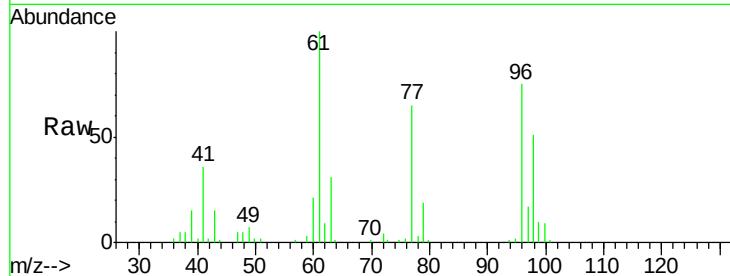


#27

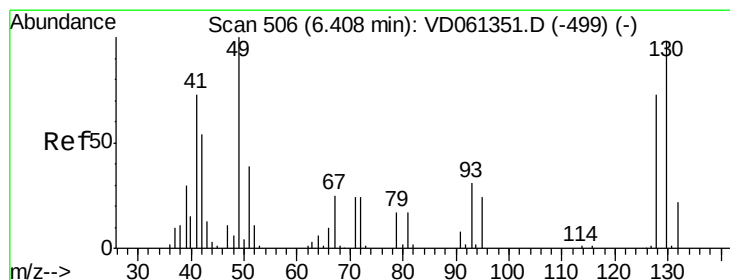
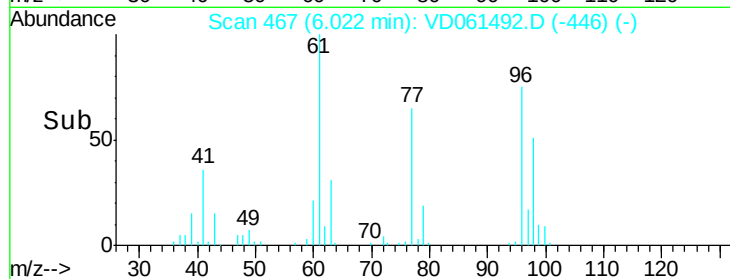
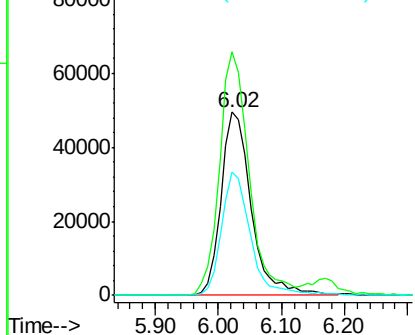
cis-1,2-Dichloroethene
Concen: 21.579 ug/l
RT: 6.02 min Scan# 467
Delta R.T. 0.01 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.0	0.0	251.6
98	67.6	0.0	129.2



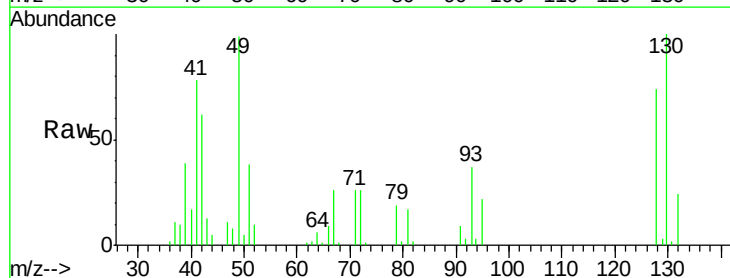
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



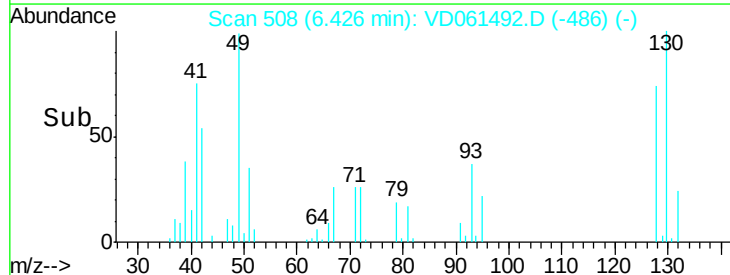
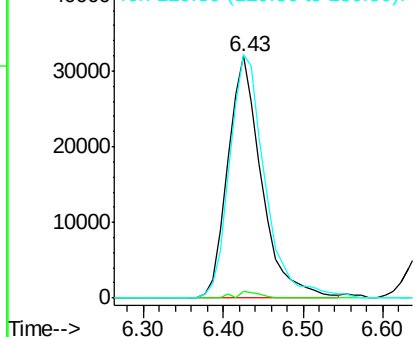
#28

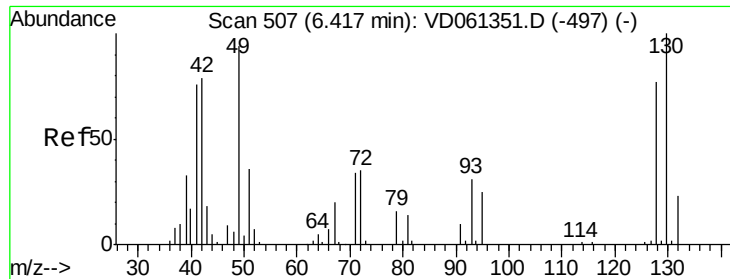
Bromochloromethane
Concen: 20.943 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.02 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.9	0.0	0.0#
130	100.6	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

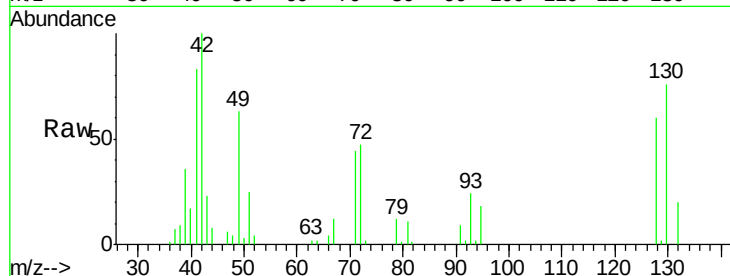




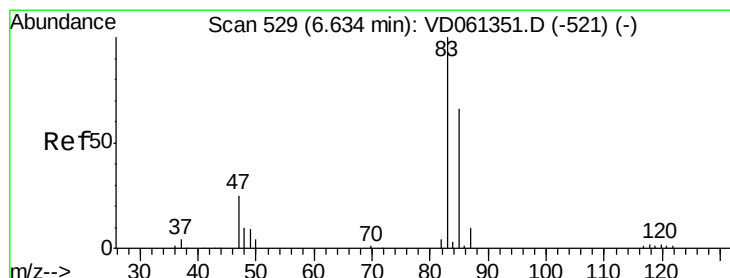
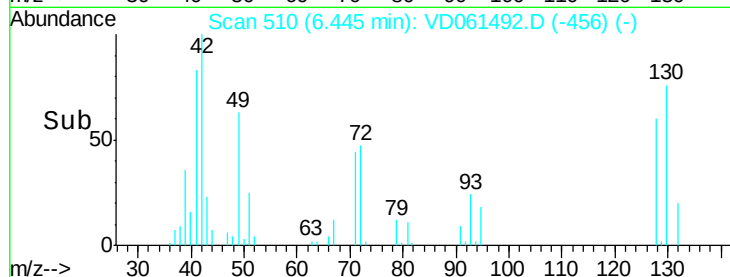
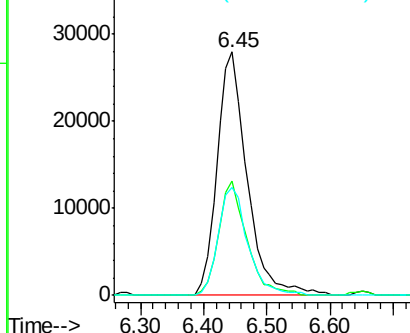
#29
Tetrahydrofuran
Concen: 114.810 ug/l
RT: 6.45 min Scan# 510
Delta R.T. 0.03 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 42 Resp: 92398
Ion Ratio Lower Upper
42 100
72 44.4 37.4 56.0
71 44.1 36.7 55.1

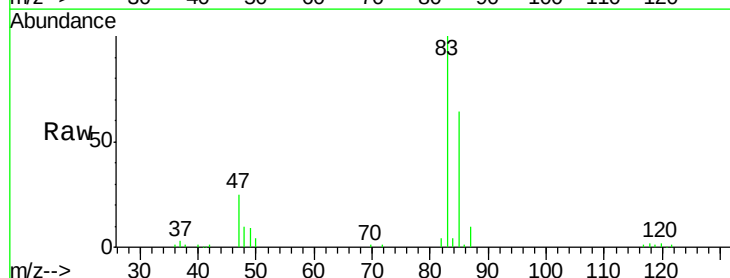


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

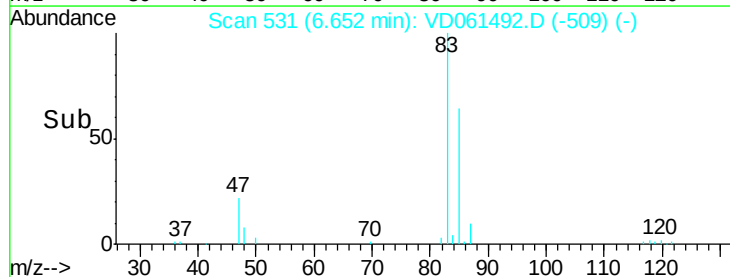
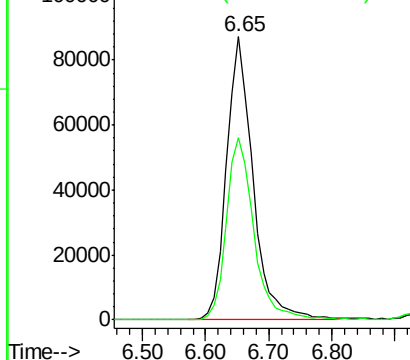


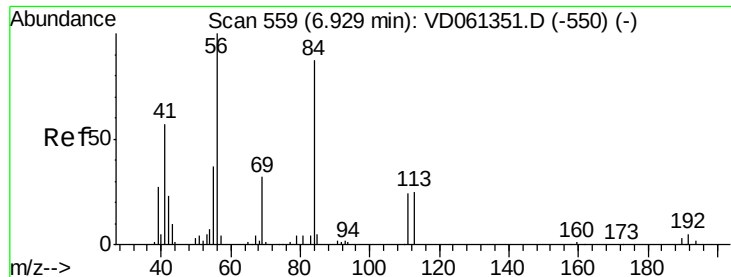
#30
Chloroform
Concen: 21.855 ug/l
RT: 6.65 min Scan# 531
Delta R.T. 0.02 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Tgt Ion: 83 Resp: 252726
Ion Ratio Lower Upper
83 100
85 64.2 53.0 79.4



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

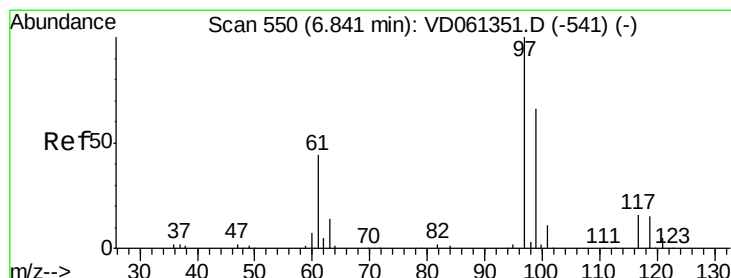
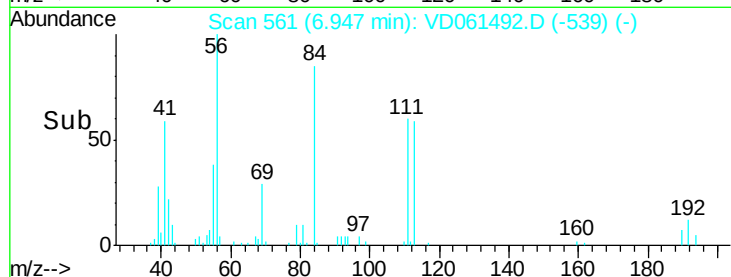
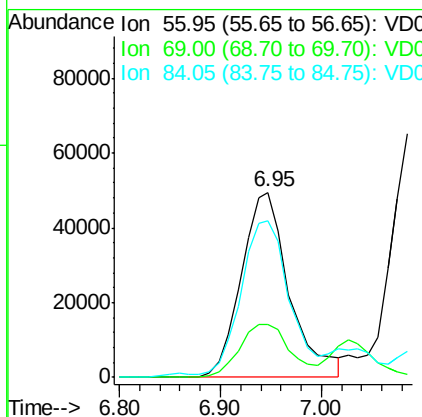
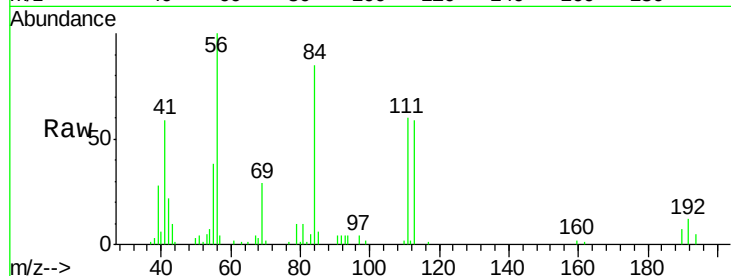




#31
Cyclohexane
Concen: 18.475 ug/l
RT: 6.95 min Scan# 561
Delta R.T. 0.02 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

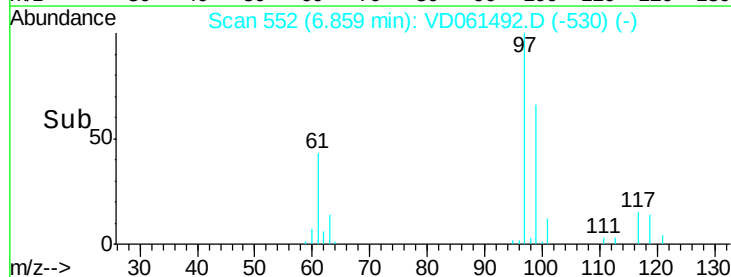
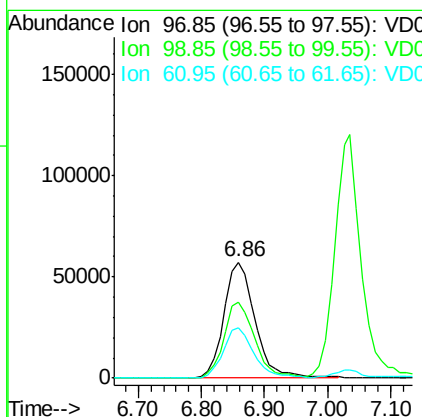
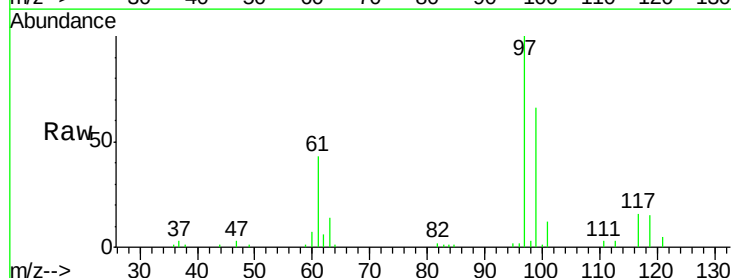
Instrument :
MSVOA_D
ClientSampled :

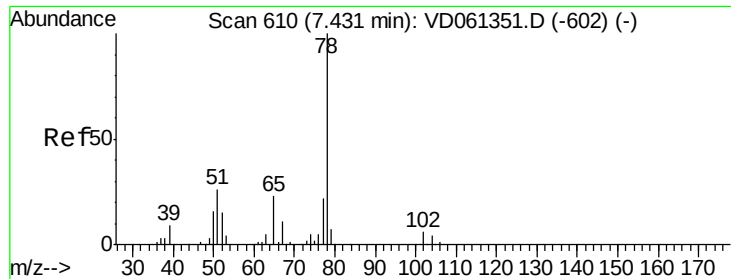
Tot Ion: 56 Resp: 163392
Ion Ratio Lower Upper
56 100
69 28.6 25.7 38.5
84 84.8 70.6 105.8



#32
1,1,1-Trichloroethane
Concen: 19.216 ug/l
RT: 6.86 min Scan# 552
Delta R.T. 0.02 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Tgt Ion: 97 Resp: 196035
Ion Ratio Lower Upper
97 100
99 65.9 53.1 79.7
61 43.0 35.5 53.3

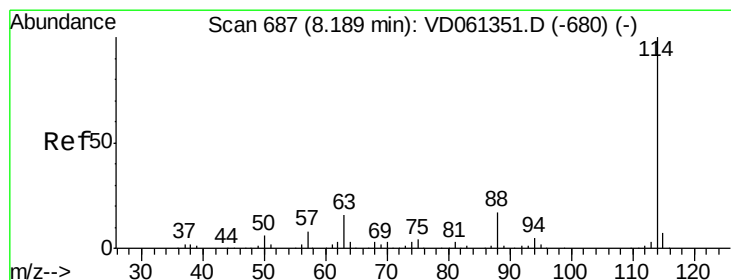
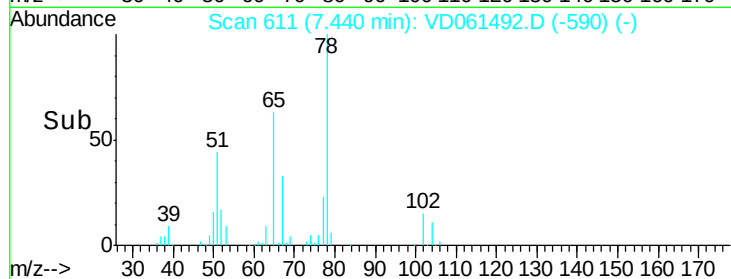
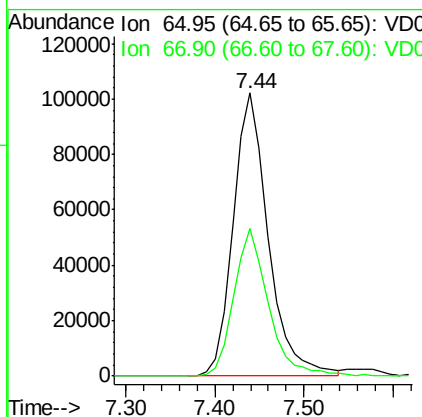
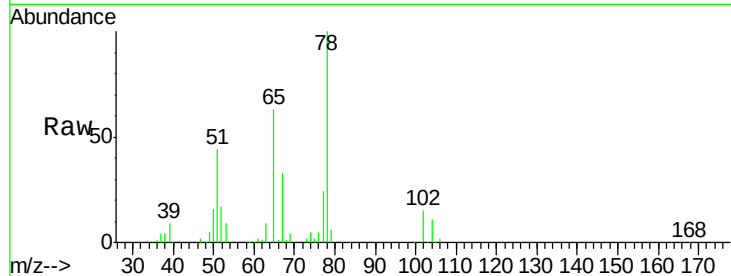




#33
 1,2-Dichloroethane-d4
 Concen: 19.216 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VD061492.D
 Acq: 2 Apr 2019 3:58

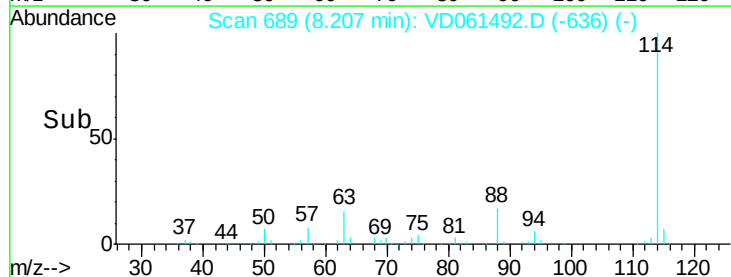
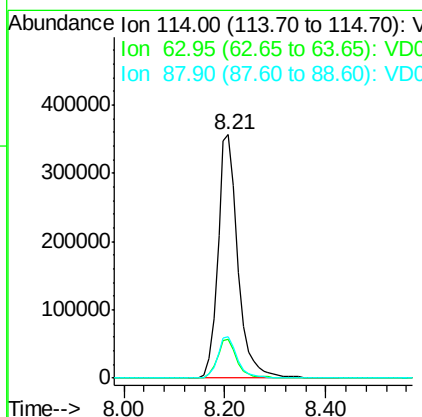
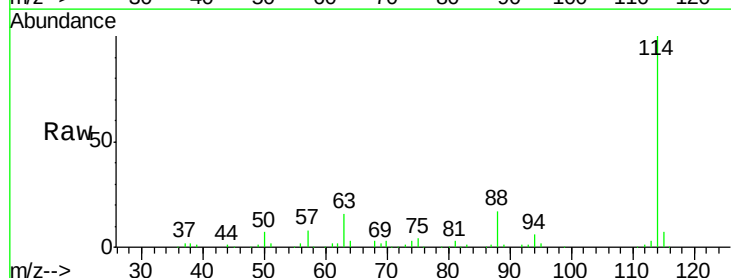
Instrument :
 MSVOA_D
 ClientSampled :

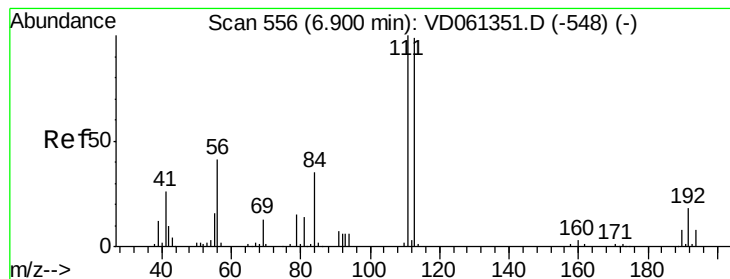
Tot Ion: 65 Resp: 280323
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 99.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. 0.02 min
 Lab File: VD061492.D
 Acq: 2 Apr 2019 3:58

Tgt Ion: 114 Resp: 986038
 Ion Ratio Lower Upper
 114 100
 63 16.0 0.0 31.6
 88 17.0 0.0 33.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 557

Delta R.T. 0.01 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Instrument :

MSVOA_D

ClientSampleId :

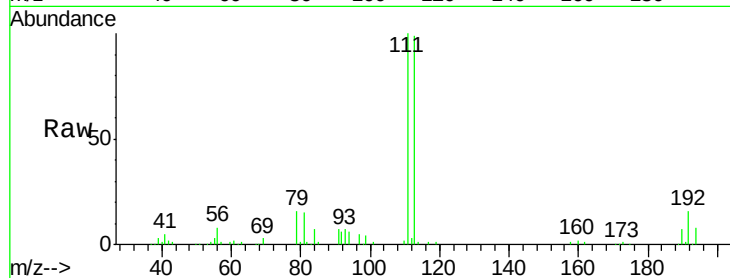
Tot Ion:113 Resp: 414496

Ion Ratio Lower Upper

113 100

111 101.4 81.0 121.6

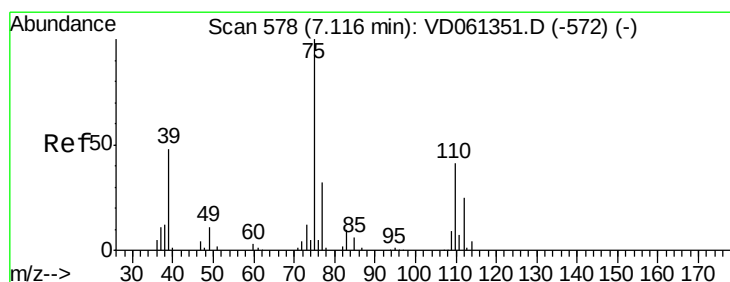
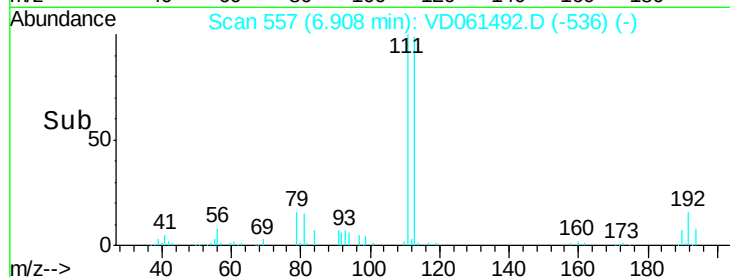
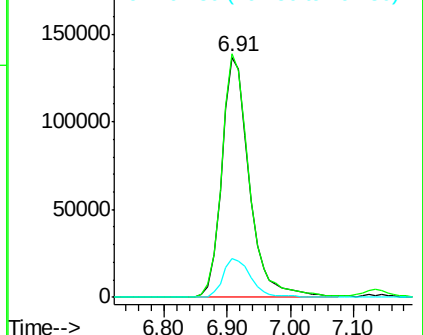
192 15.9 14.4 21.6



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 19.837 ug/l

RT: 7.13 min Scan# 580

Delta R.T. 0.02 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

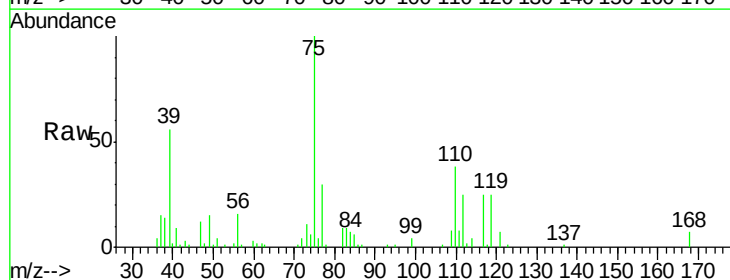
Tgt Ion: 75 Resp: 170714

Ion Ratio Lower Upper

75 100

110 38.2 20.4 61.3

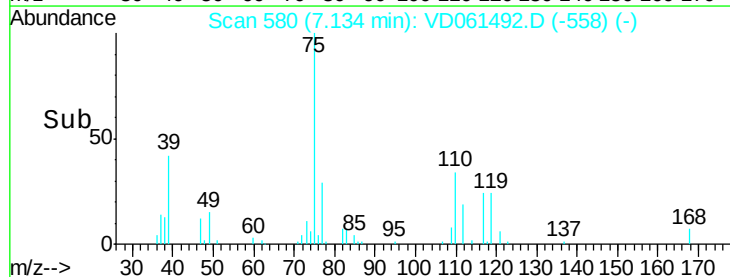
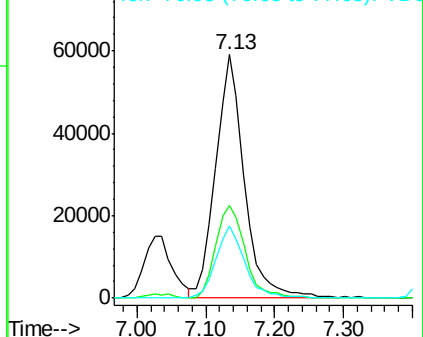
77 29.7 24.9 37.3

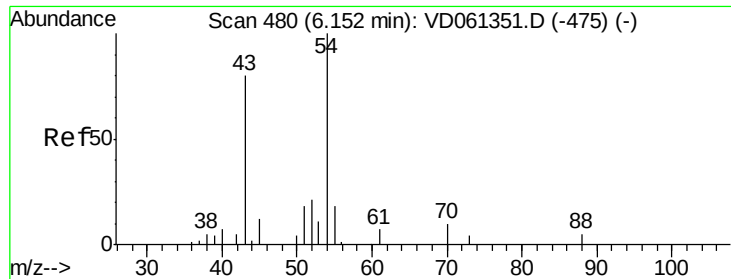


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): VDC

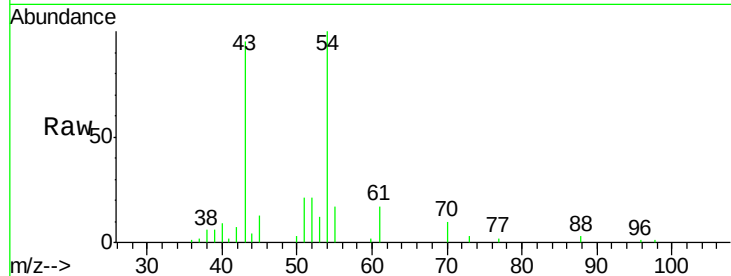




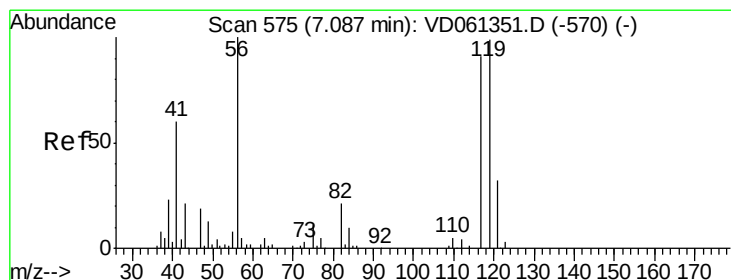
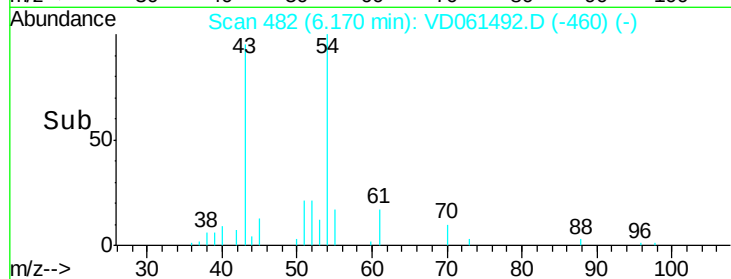
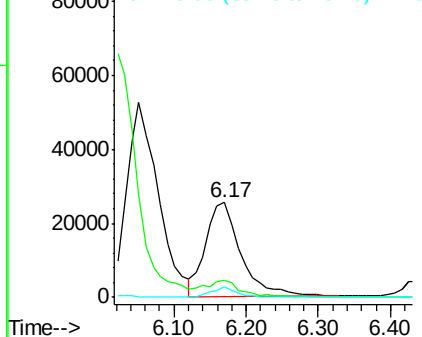
#37
Ethyl Acetate
Concen: 23.322 ug/l
RT: 6.17 min Scan# 482
Delta R.T. 0.02 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 85837
Ion Ratio Lower Upper
43 100
61 18.4 13.8 20.8
70 11.0 7.8 11.8

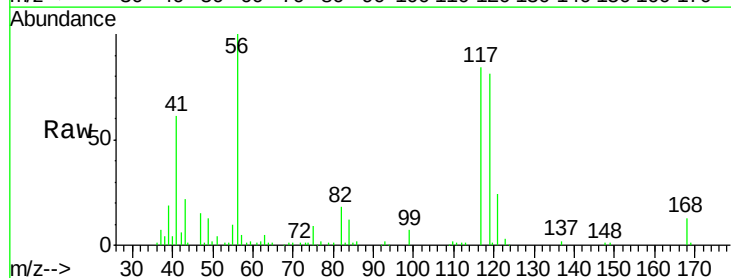


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

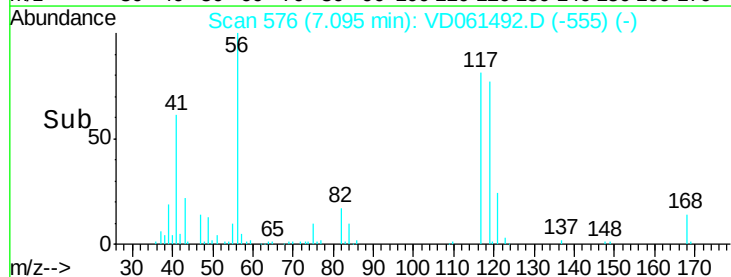
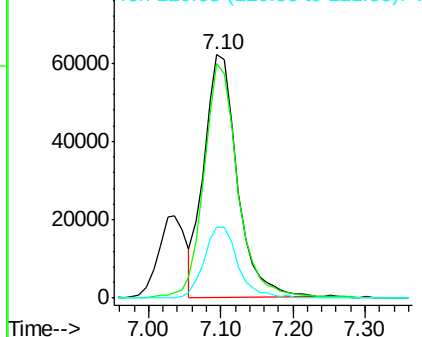


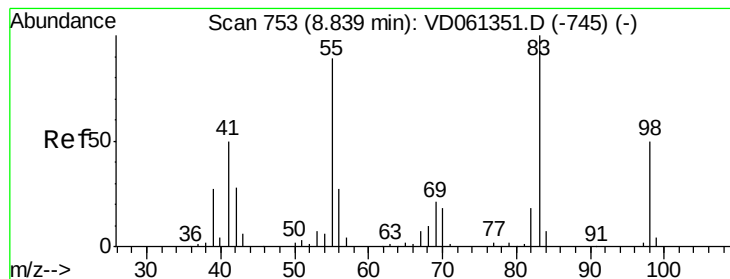
#38
Carbon Tetrachloride
Concen: 19.810 ug/l
RT: 7.10 min Scan# 576
Delta R.T. 0.01 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Tgt Ion: 117 Resp: 195898
Ion Ratio Lower Upper
117 100
119 96.3 80.1 120.1
121 29.0 25.6 38.4



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





#39

Methylvlcyclohexane

Concen: 18.969 ug/l

RT: 8.85 min Scan# 754

Delta R.T. 0.01 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Instrument :

MSVOA_D

ClientSampleId :

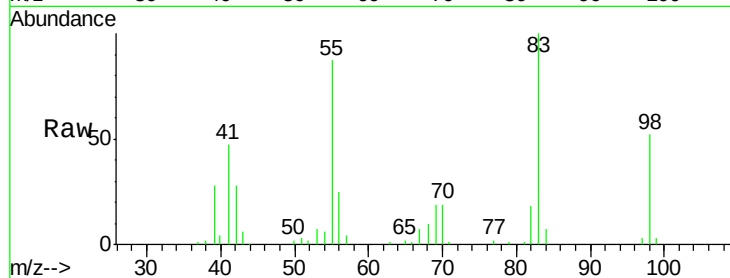
Tot Ion: 83 Resp: 170020

Ion Ratio Lower Upper

83 100

55 86.8 71.5 107.3

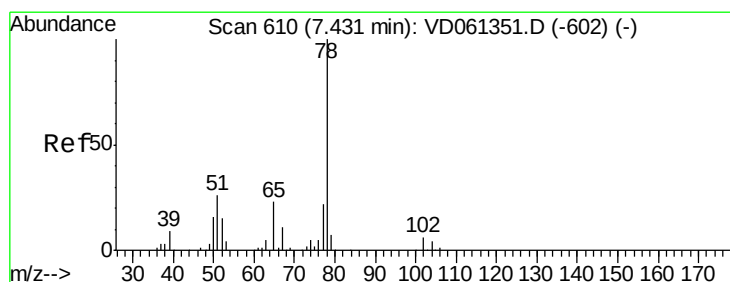
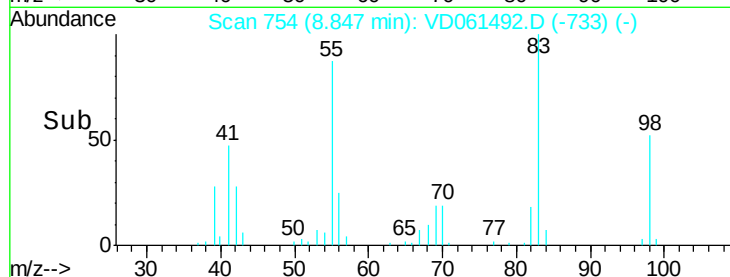
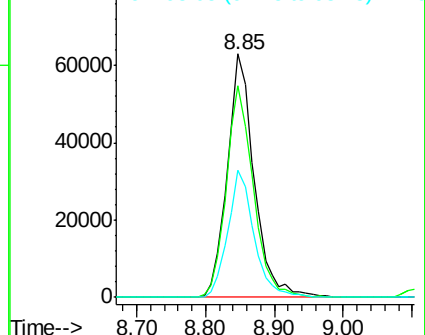
98 52.0 40.3 60.5



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: 21.441 ug/l

RT: 7.44 min Scan# 611

Delta R.T. 0.01 min

Lab File: VD061492.D

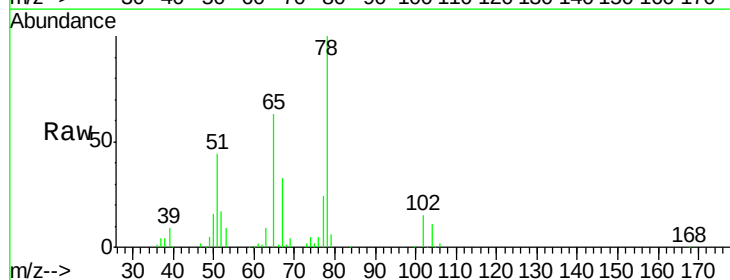
Acq: 2 Apr 2019 3:58

Tgt Ion: 78 Resp: 463102

Ion Ratio Lower Upper

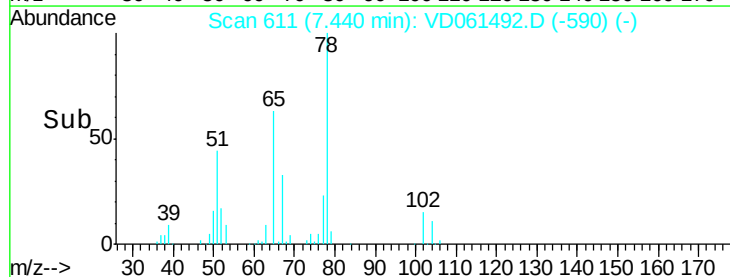
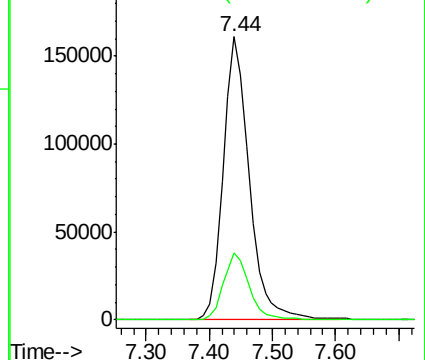
78 100

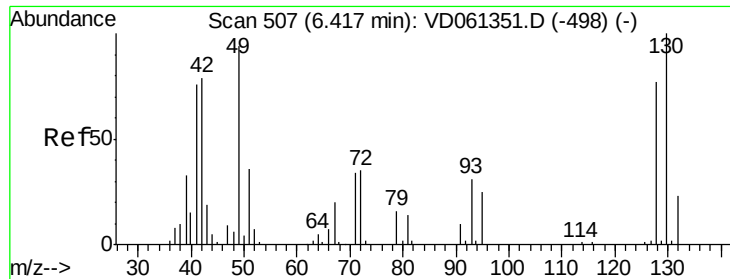
77 23.6 17.8 26.6



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

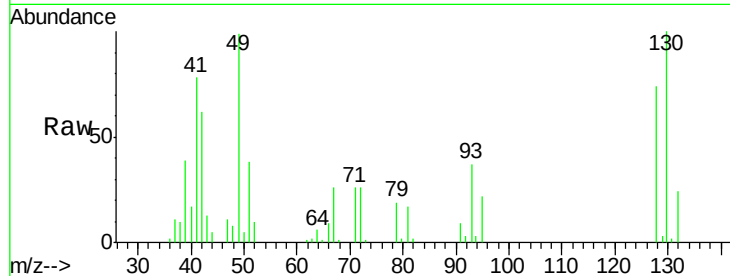




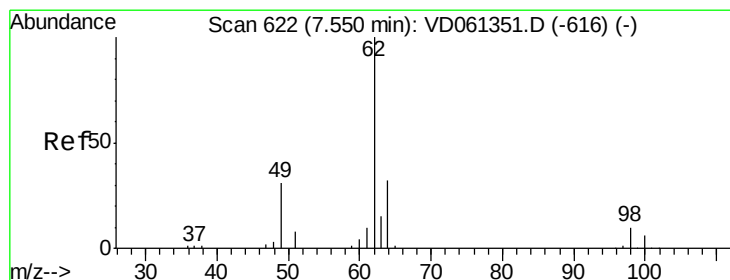
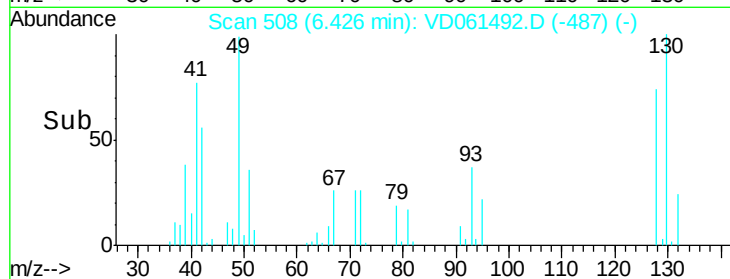
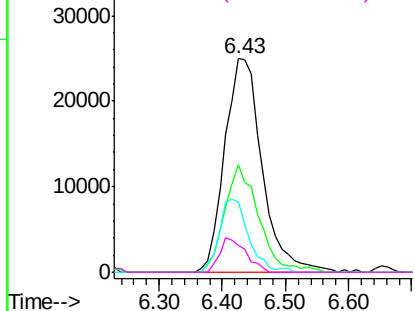
#41
Methacrylonitrile
Concen: 23.882 ug/l
RT: 6.43 min Scan# 508
Delta R.T. 0.01 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 41 Resp: 102774
Ion Ratio Lower Upper
41 100
39 50.5 35.0 52.6
67 33.1 21.0 31.6#
52 12.5 7.7 11.5#

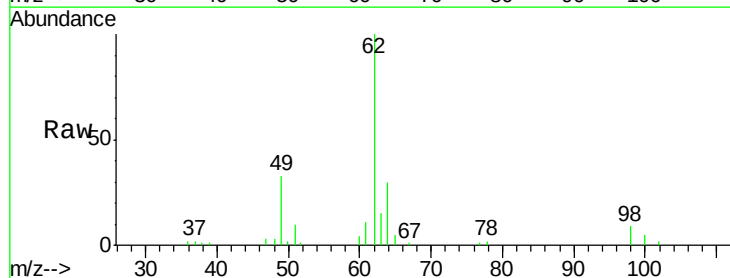


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

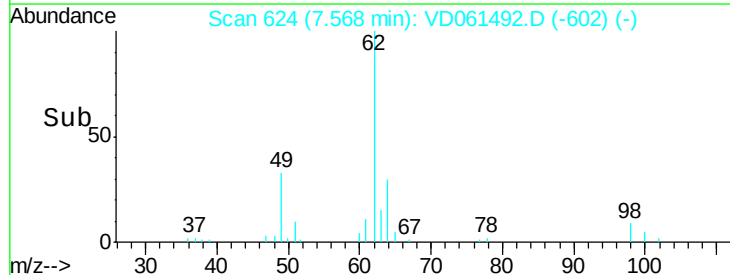
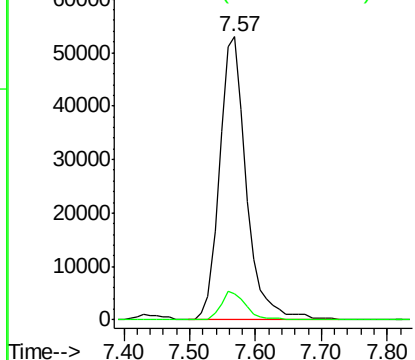


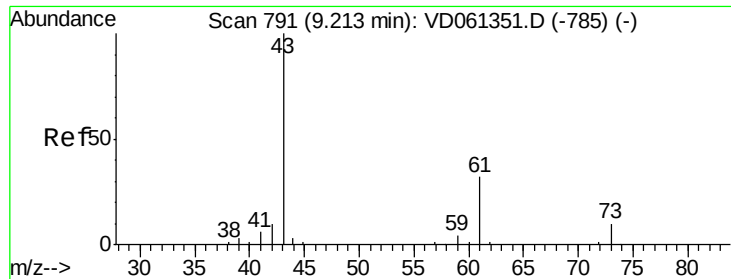
#42
1,2-Dichloroethane
Concen: 23.271 ug/l
RT: 7.57 min Scan# 624
Delta R.T. 0.02 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Tgt Ion: 62 Resp: 150345
Ion Ratio Lower Upper
62 100
98 9.4 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: 21.736 ug/l

RT: 9.22 min Scan# 792

Delta R.T. 0.01 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Instrument :

MSVOA_D

ClientSampleId :

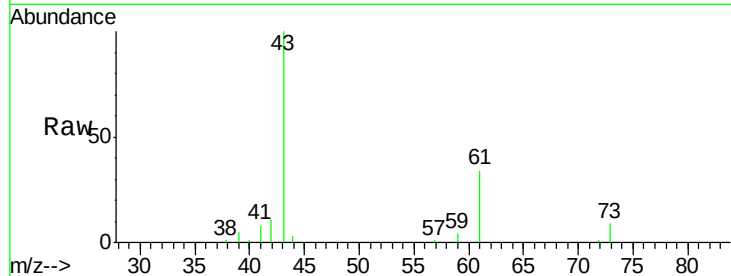
Tot Ion: 43 Resp: 116396

Ion Ratio Lower Upper

43 100

61 33.7 25.8 38.6

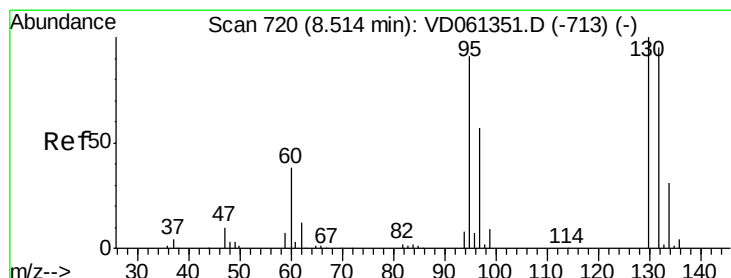
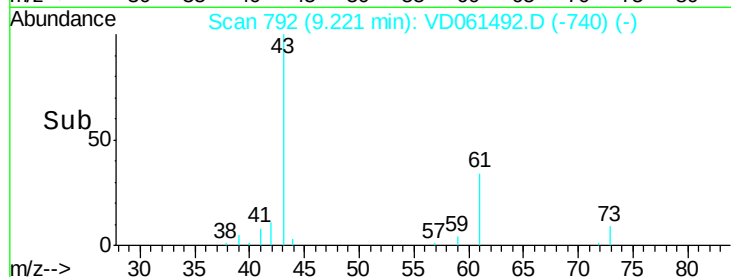
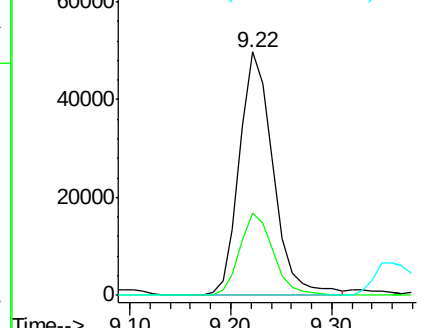
87 0.0 0.0 0.0



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: 20.434 ug/l

RT: 8.52 min Scan# 721

Delta R.T. 0.01 min

Lab File: VD061492.D

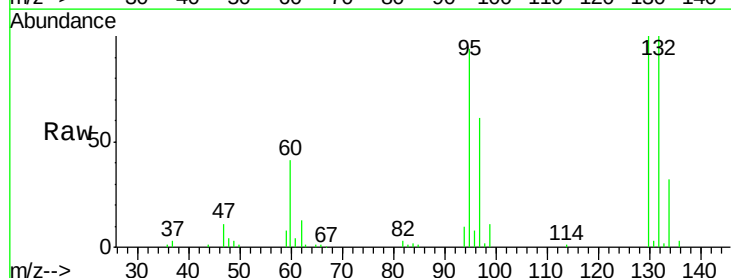
Acq: 2 Apr 2019 3:58

Tgt Ion:130 Resp: 164241

Ion Ratio Lower Upper

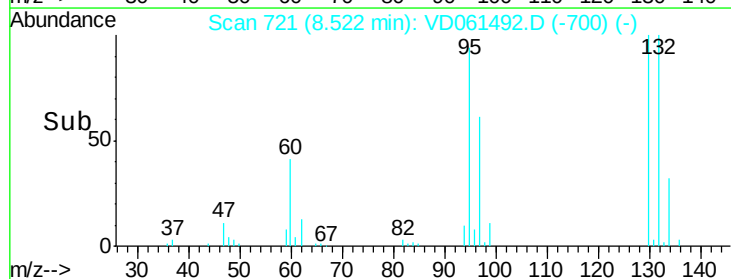
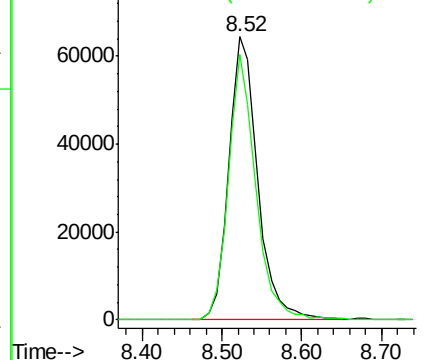
130 100

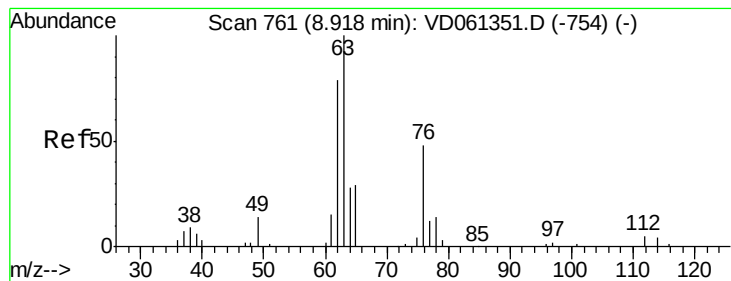
95 93.9 0.0 181.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.906 ug/l

RT: 8.93 min Scan# 762

Delta R.T. 0.01 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Instrument :

MSVOA_D

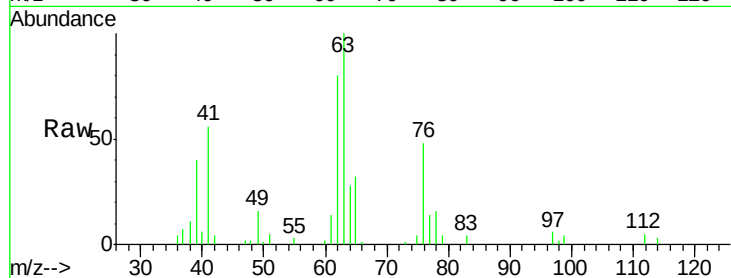
ClientSampled :

Tot Ion: 63 Resp: 119972

Ion Ratio Lower Upper

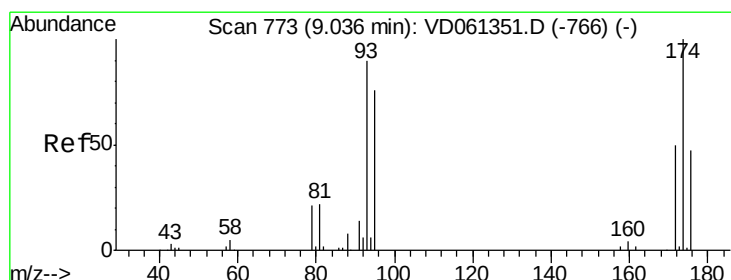
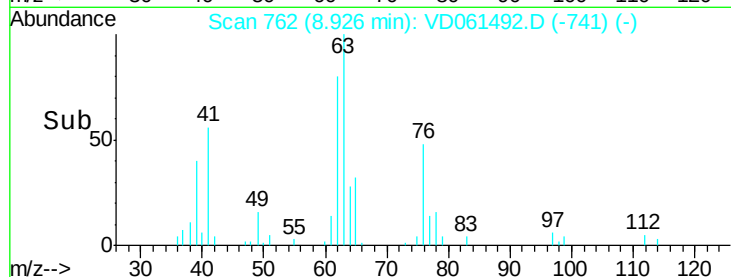
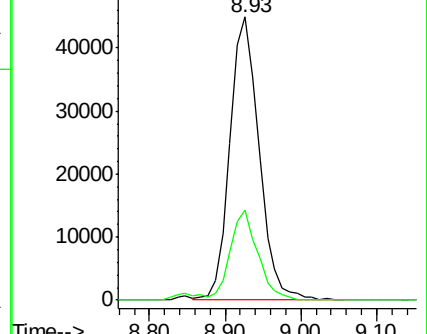
63 100

65 31.9 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: 22.261 ug/l

RT: 9.04 min Scan# 774

Delta R.T. 0.01 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

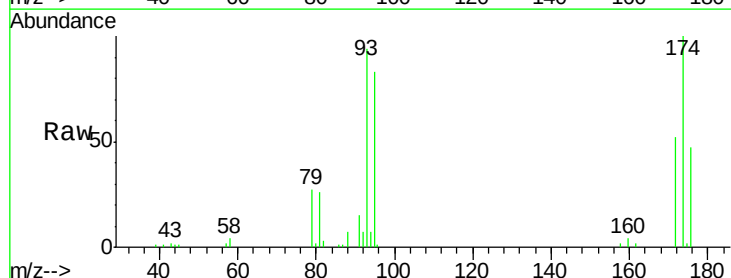
Tgt Ion: 93 Resp: 82060

Ion Ratio Lower Upper

93 100

95 88.0 67.4 101.0

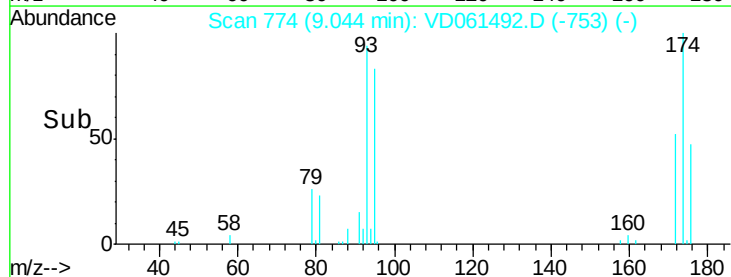
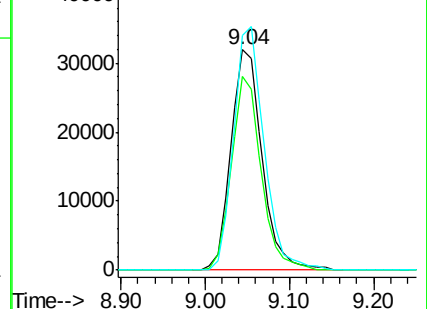
174 106.2 88.9 133.3

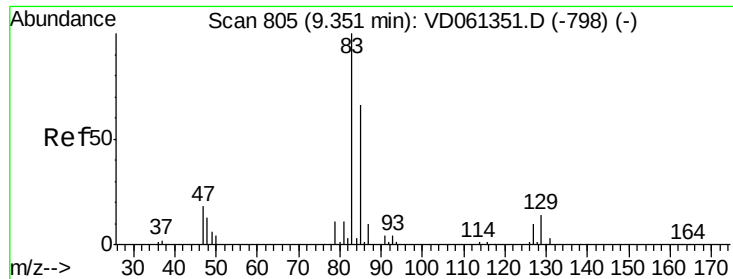


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

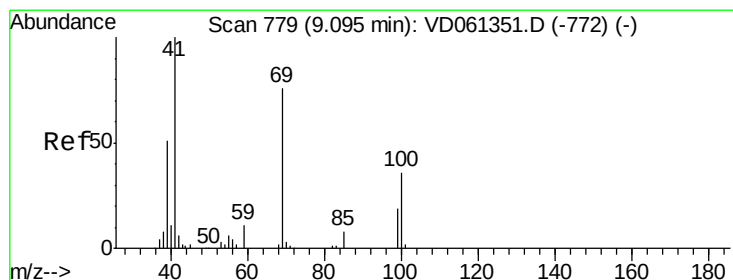
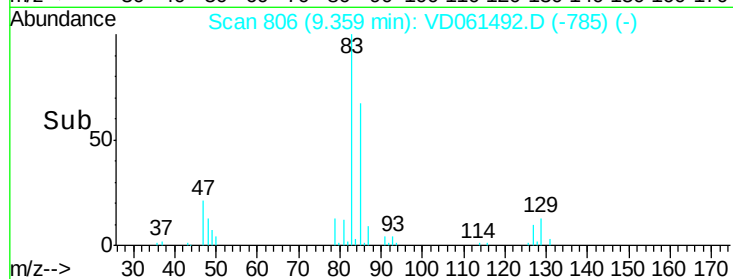
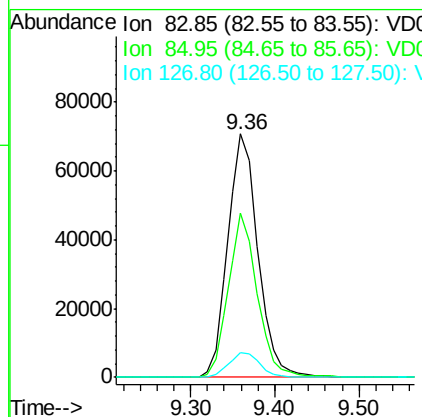
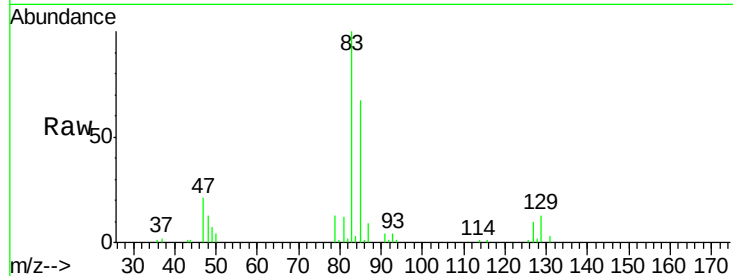




#47
Bromodichloromethane
Concen: 21.310 ug/l
RT: 9.36 min Scan# 806
Delta R.T. 0.01 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

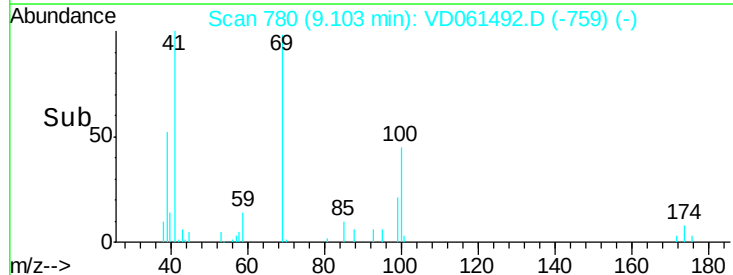
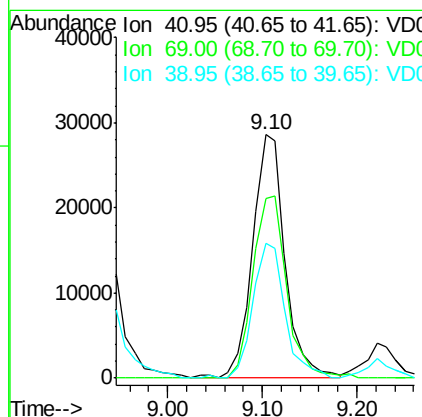
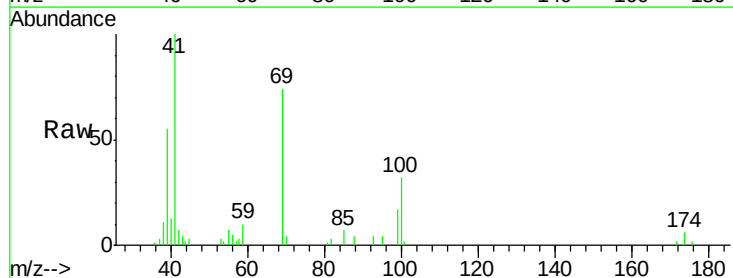
Instrument :
MSVOA_D
ClientSampleId :

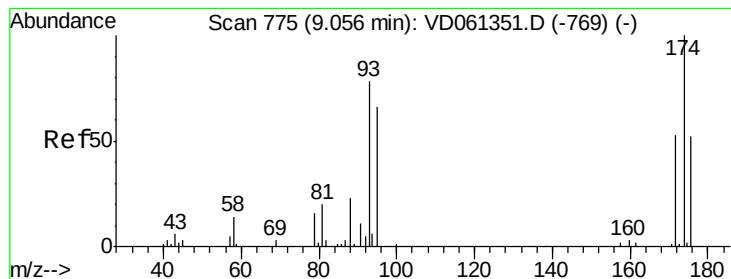
Tot Ion: 83 Resp: 176309
Ion Ratio Lower Upper
83 100
85 67.5 53.0 79.4
127 10.0 8.4 12.6



#48
Methyl methacrylate
Concen: 23.076 ug/l
RT: 9.10 min Scan# 780
Delta R.T. 0.01 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Tgt Ion: 41 Resp: 68199
Ion Ratio Lower Upper
41 100
69 73.7 60.2 90.4
39 55.4 41.4 62.2





#49

1,4-Dioxane

Concen: 418.338 ug/l

RT: 9.07 min Scan# 777

Delta R.T. 0.02 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Instrument :

MSVOA_D

ClientSampleId :

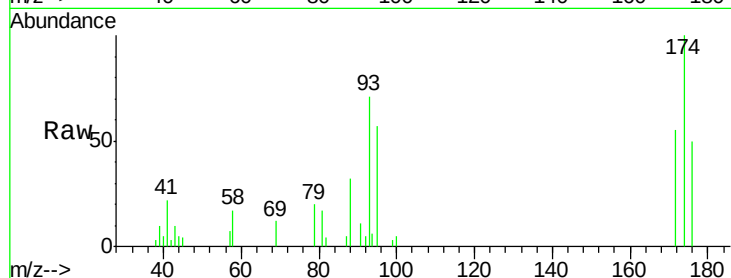
Tot Ion: 88 Resp: 13637

Ion Ratio Lower Upper

88 100

43 31.5 23.3 34.9

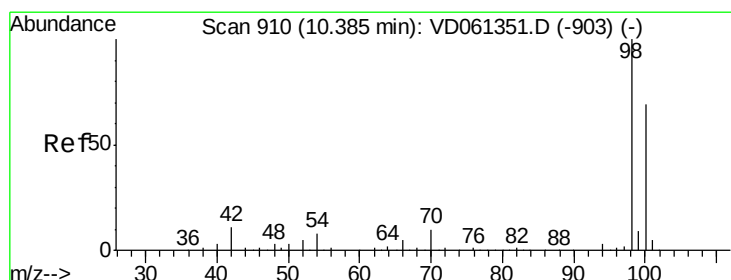
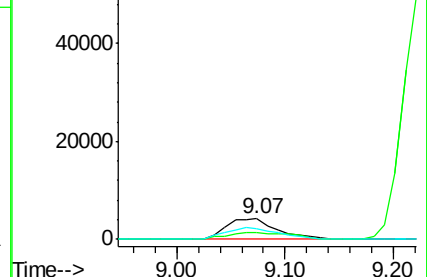
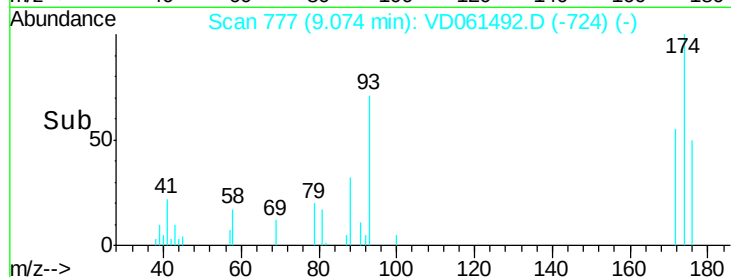
58 53.4 50.8 76.2



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 418.338 ug/l

RT: 10.39 min Scan# 911

Delta R.T. 0.01 min

Lab File: VD061492.D

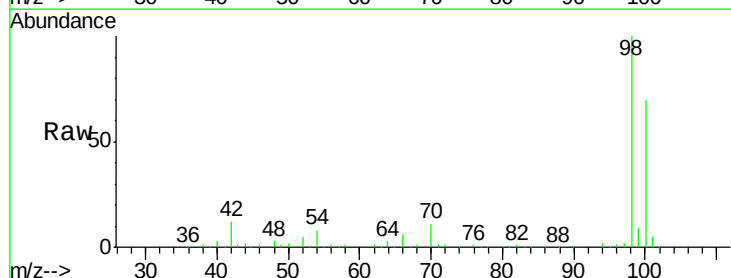
Acq: 2 Apr 2019 3:58

Tgt Ion: 98 Resp: 1003012

Ion Ratio Lower Upper

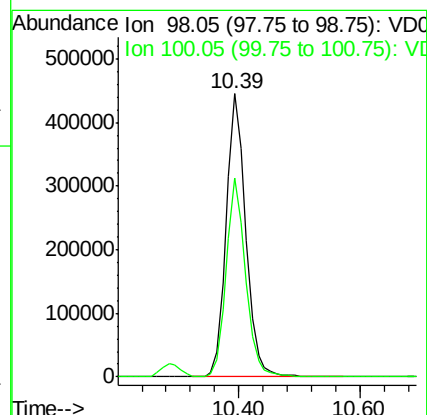
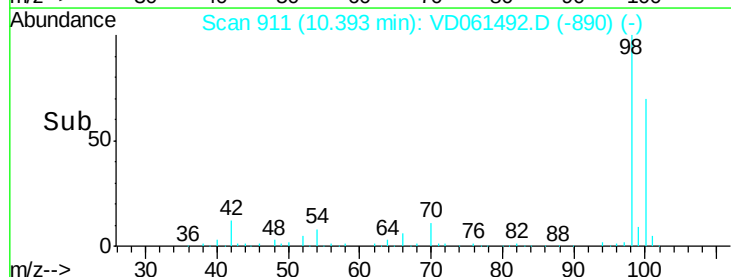
98 100

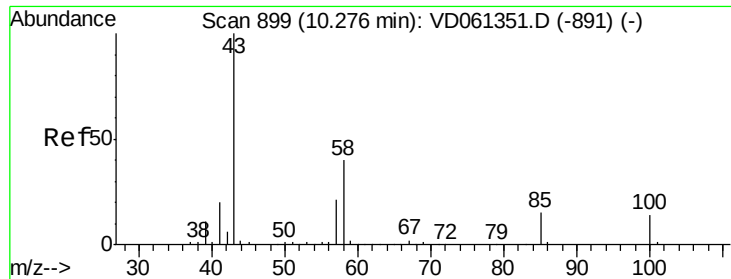
100 70.2 56.2 84.2



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: 113.594 ug/l

RT: 10.28 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Instrument :

MSVOA_D

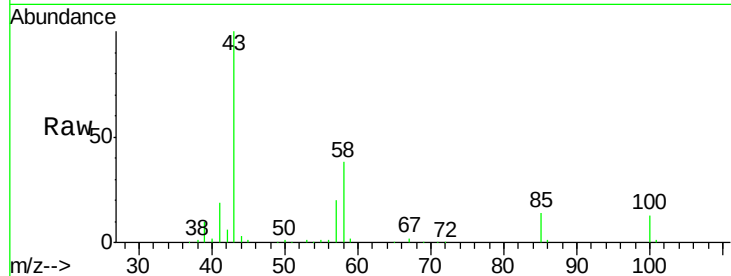
ClientSampleId :

Tot Ion: 43 Resp: 370089

Ion Ratio Lower Upper

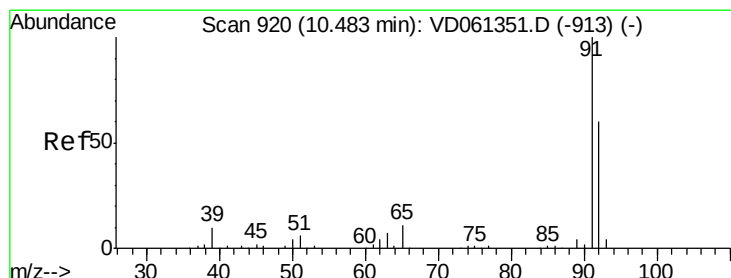
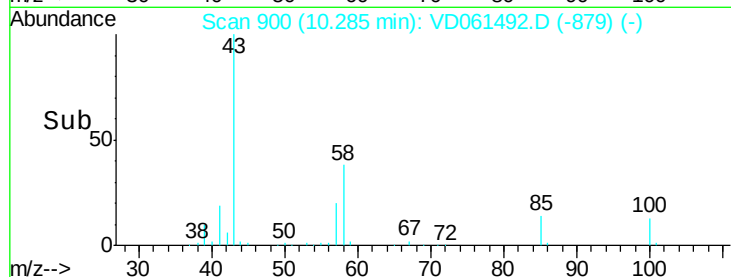
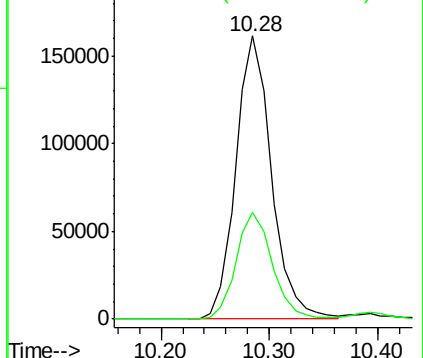
43 100

58 37.9 31.8 47.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.584 ug/l

RT: 10.49 min Scan# 921

Delta R.T. 0.01 min

Lab File: VD061492.D

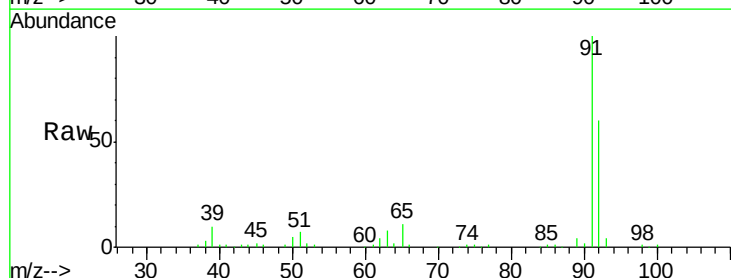
Acq: 2 Apr 2019 3:58

Tgt Ion: 92 Resp: 271229

Ion Ratio Lower Upper

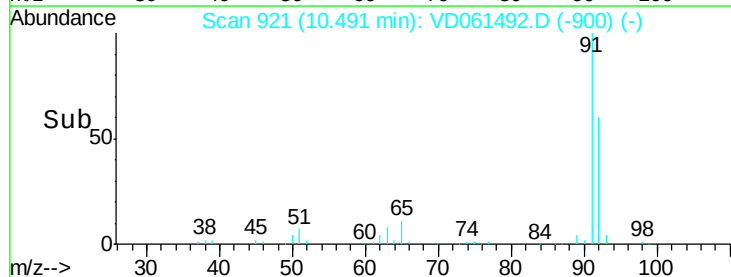
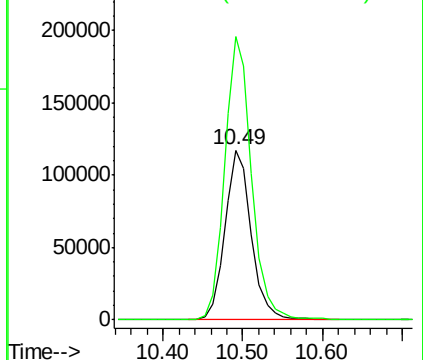
92 100

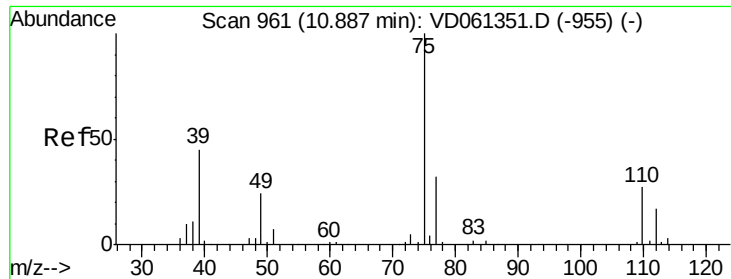
91 166.8 133.3 199.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 20.911 ug/l

RT: 10.89 min Scan# 962

Delta R.T. 0.01 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

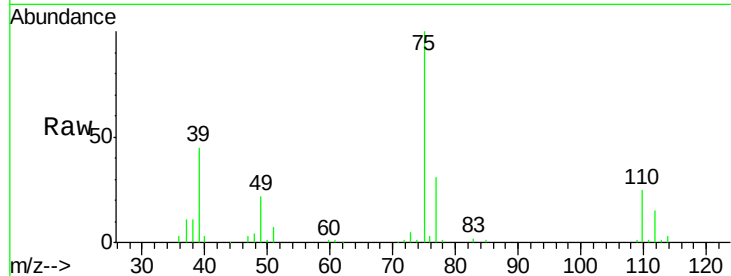
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 75 Resp: 157186

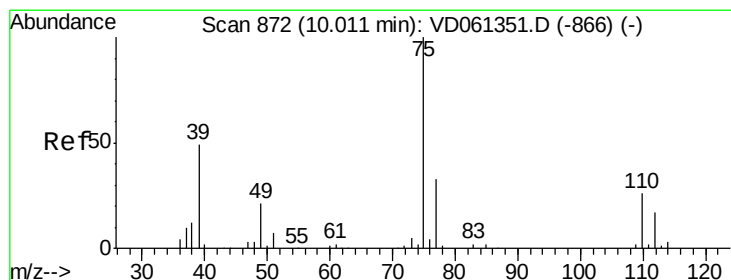
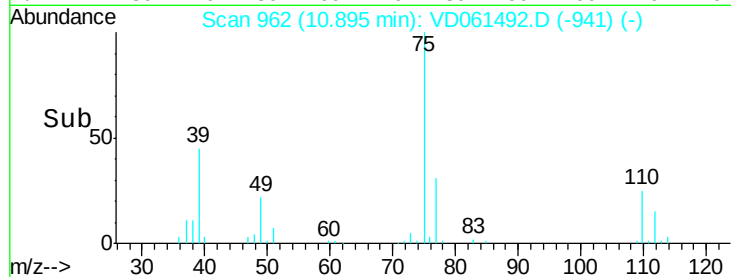
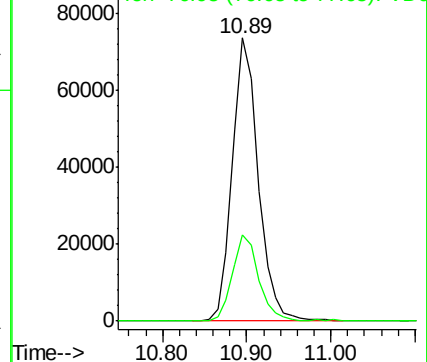
Ion Ratio Lower Upper

75 100

77 30.7 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: 20.892 ug/l

RT: 10.02 min Scan# 873

Delta R.T. 0.01 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

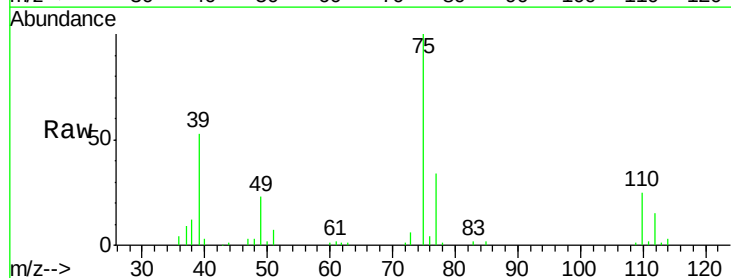
Tgt Ion: 75 Resp: 191228

Ion Ratio Lower Upper

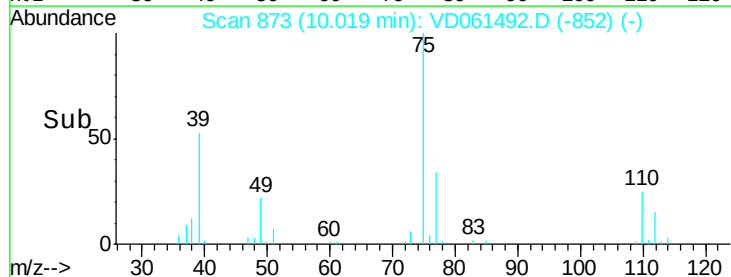
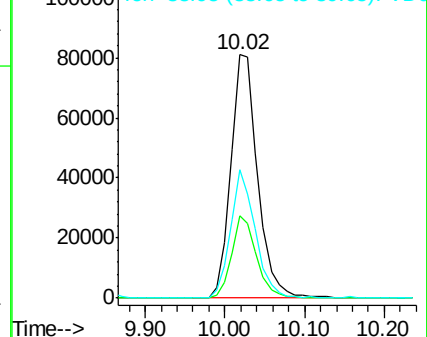
75 100

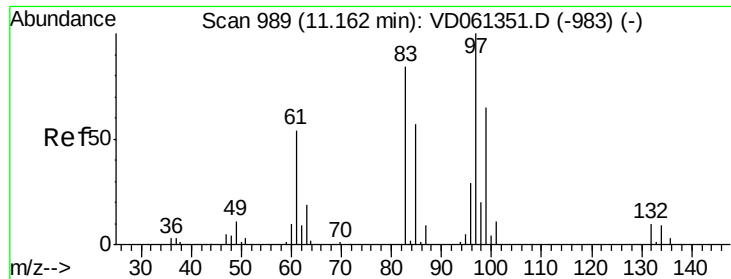
77 34.0 26.2 39.4

39 53.0 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: 22.395 ug/l

RT: 11.17 min Scan# 990

Delta R.T. 0.01 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 97 Resp: 103200

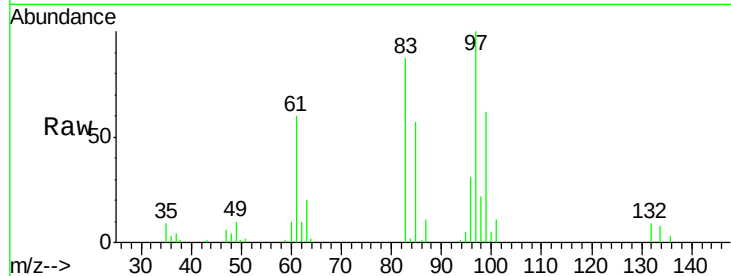
Ion Ratio Lower Upper

97 100

83 87.5 67.0 100.6

85 56.7 45.4 68.2

99 62.1 51.9 77.9

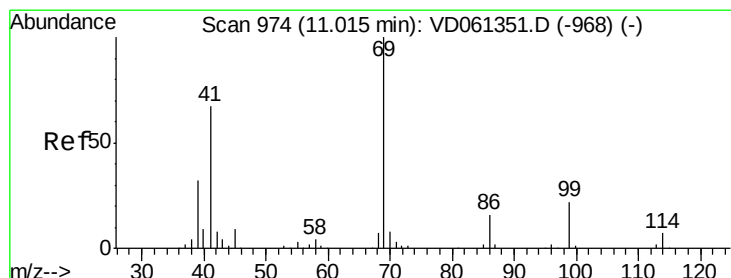
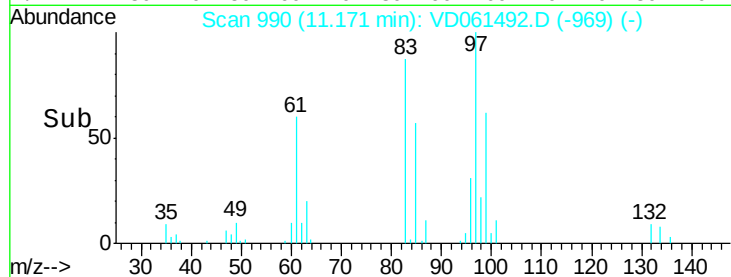
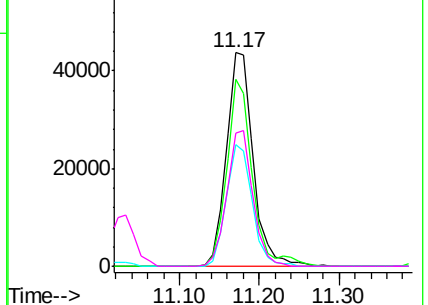


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 21.327 ug/l

RT: 11.02 min Scan# 975

Delta R.T. 0.01 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

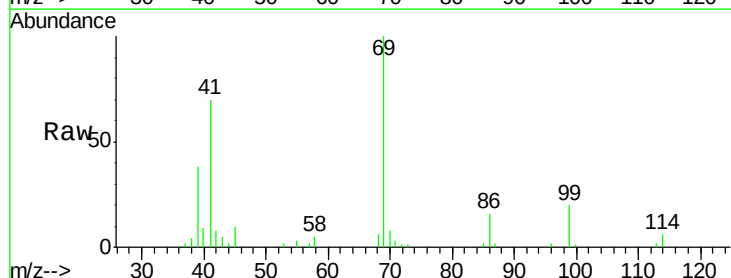
Tgt Ion: 69 Resp: 105577

Ion Ratio Lower Upper

69 100

41 69.5 53.8 80.6

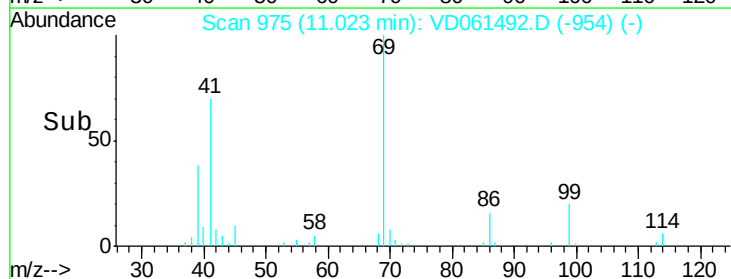
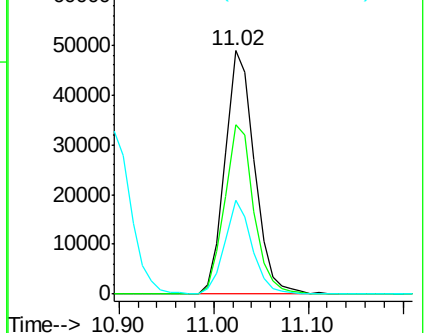
39 38.4 26.4 39.6

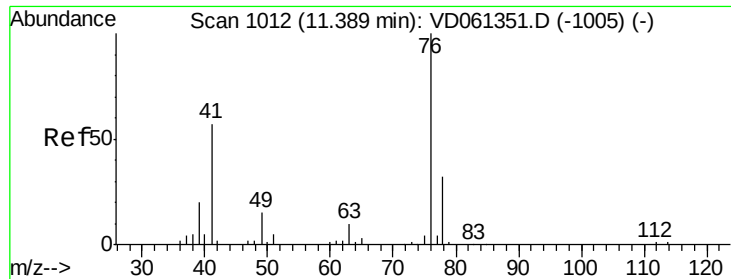


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

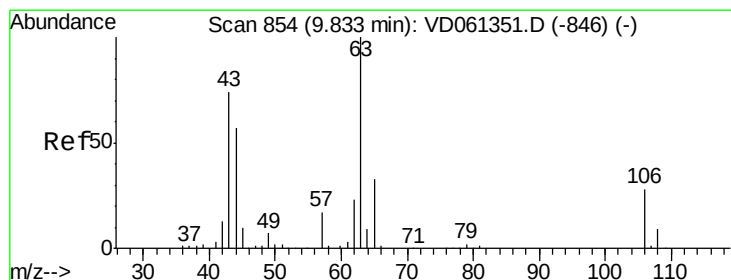
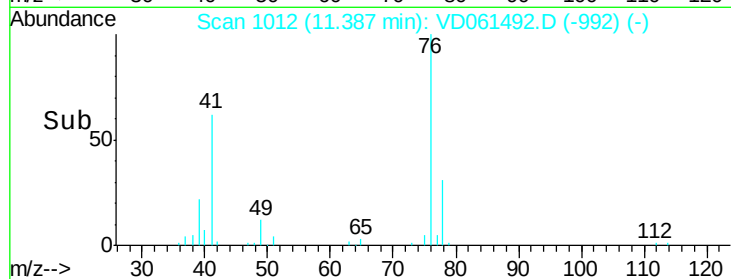
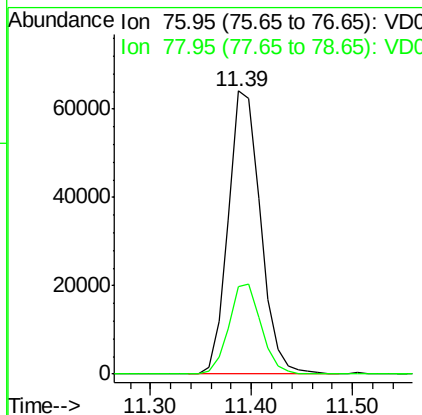
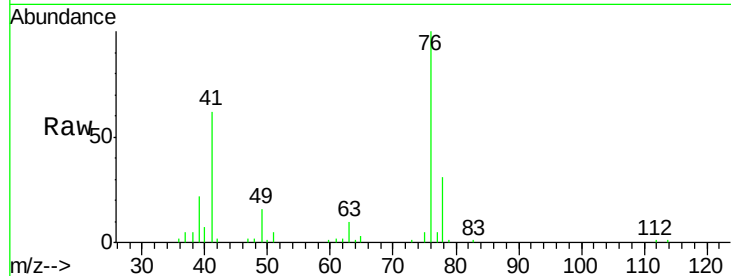




#57
 1,3-Dichloropropane
 Concen: 21.055 ug/l
 RT: 11.39 min Scan# 1012
 Delta R.T. -0.00 min
 Lab File: VD061492.D
 Acq: 2 Apr 2019 3:58

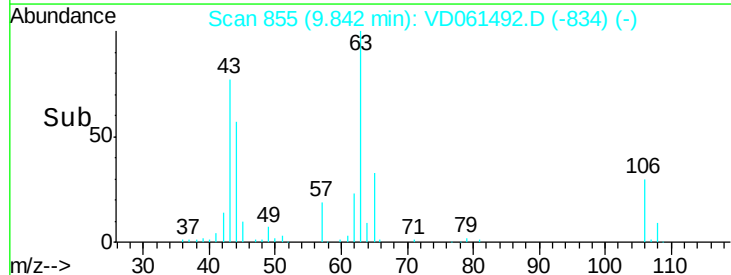
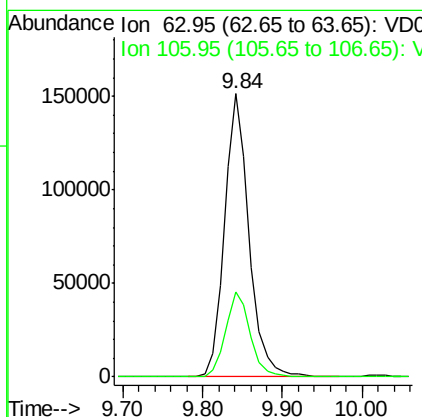
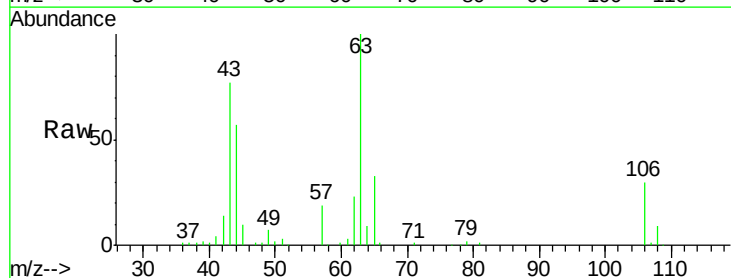
Instrument :
 MSVOA_D
 ClientSampleId :

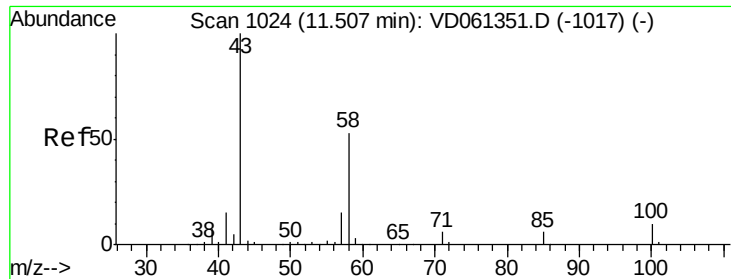
Tot Ion: 76 Resp: 142611
 Ion Ratio Lower Upper
 76 100
 78 31.1 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 134.969 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. 0.01 min
 Lab File: VD061492.D
 Acq: 2 Apr 2019 3:58

Tgt Ion: 63 Resp: 325387
 Ion Ratio Lower Upper
 63 100
 106 29.8 22.4 33.6

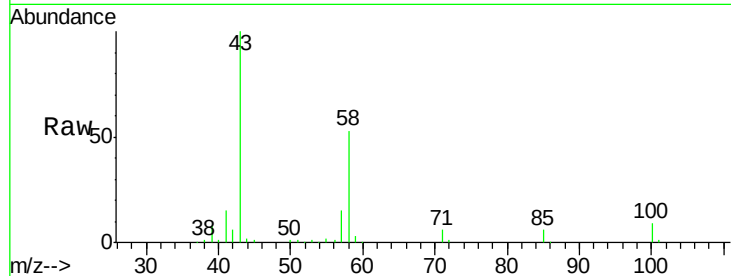




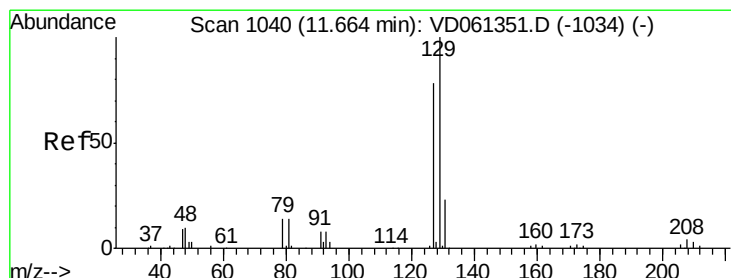
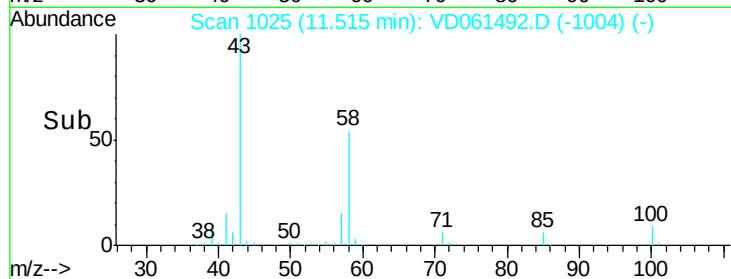
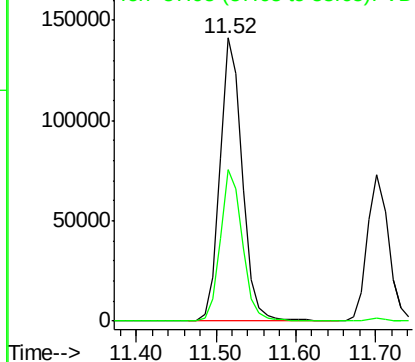
#59
2-Hexanone
Concen: 118.702 ug/l
RT: 11.52 min Scan# 1025
Delta R.T. 0.01 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 43 Resp: 280199
Ion Ratio Lower Upper
43 100
58 53.4 26.3 78.9

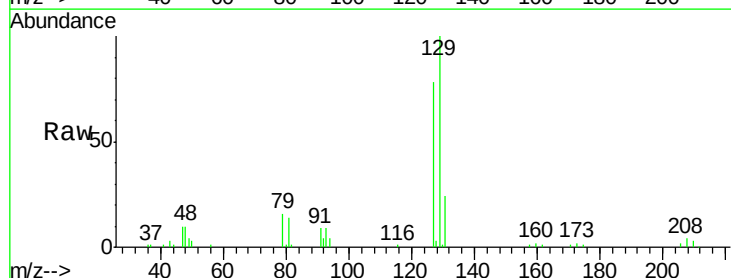


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

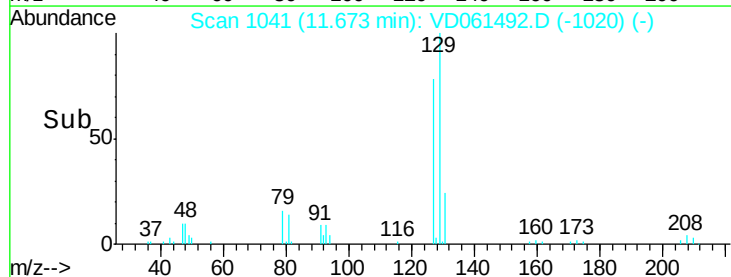
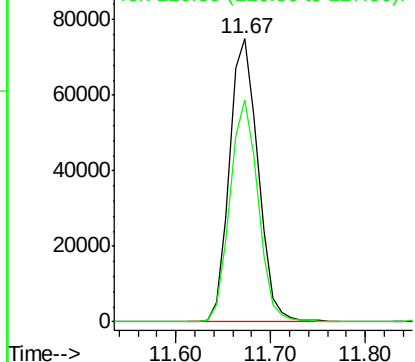


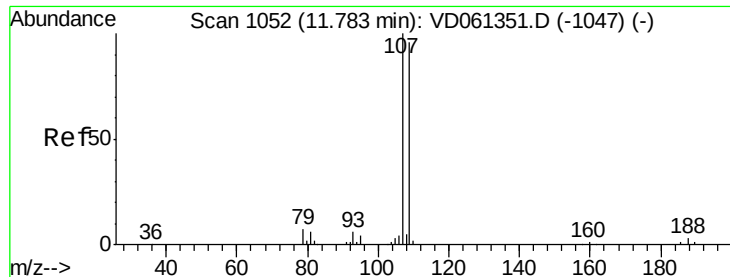
#60
Dibromochloromethane
Concen: 22.054 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Tgt Ion:129 Resp: 156672
Ion Ratio Lower Upper
129 100
127 78.3 39.0 116.9



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

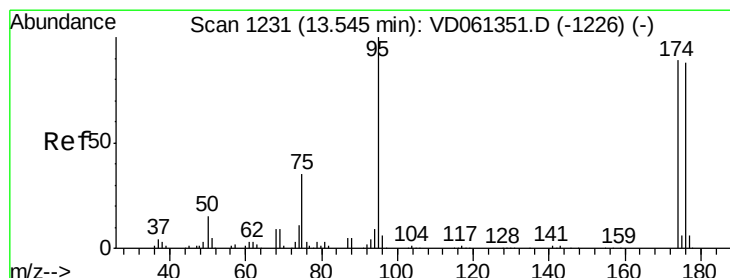
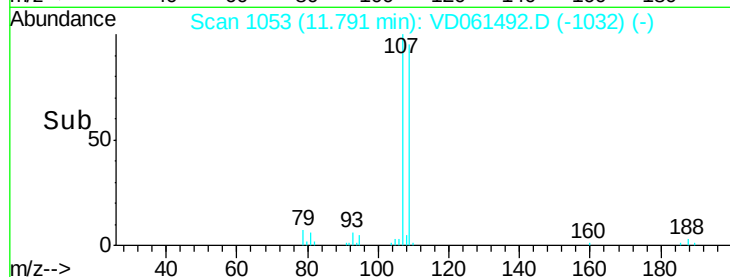
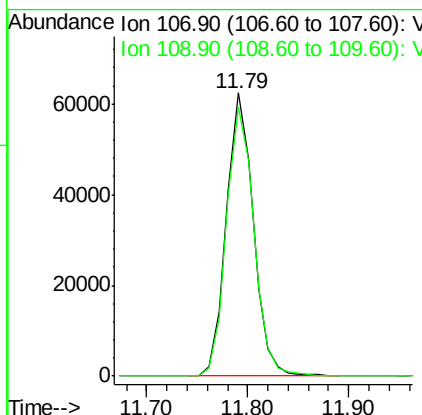
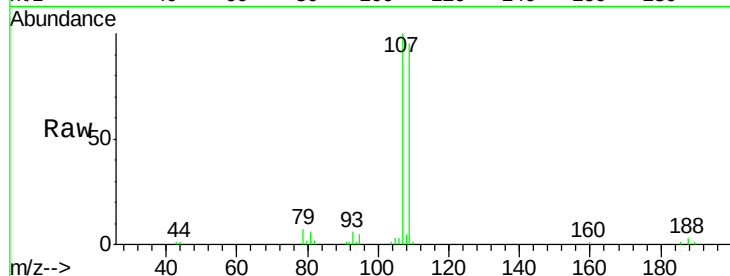




#61
 1,2-Dibromoethane
 Concen: 21.724 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. 0.01 min
 Lab File: VD061492.D
 Acq: 2 Apr 2019 3:58

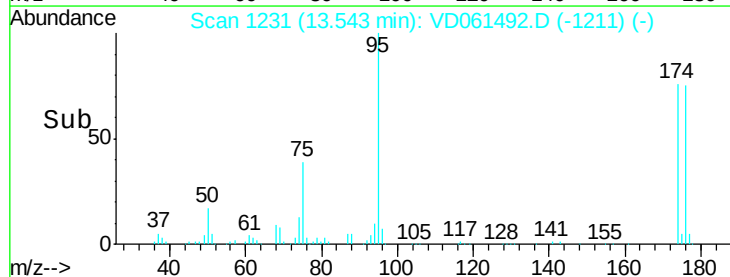
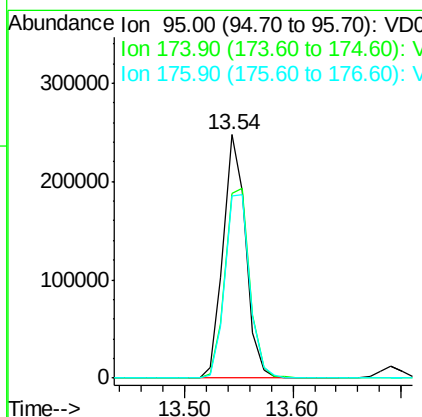
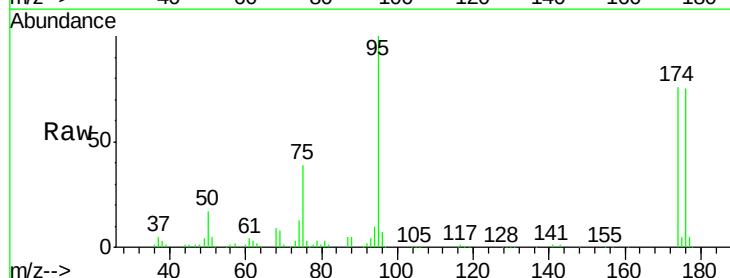
Instrument :
 MSVOA_D
 ClientSampleId :

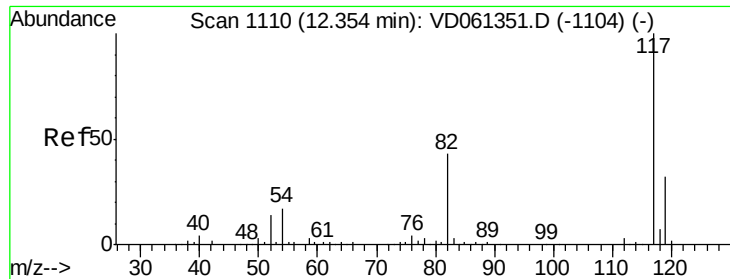
Tot Ion: 107 Resp: 115920
 Ion Ratio Lower Upper
 107 100
 109 95.2 76.6 114.8



#62
 4-Bromofluorobenzene
 Concen: 21.724 ug/l
 RT: 13.54 min Scan# 1231
 Delta R.T. -0.00 min
 Lab File: VD061492.D
 Acq: 2 Apr 2019 3:58

Tgt Ion: 95 Resp: 359931
 Ion Ratio Lower Upper
 95 100
 174 75.7 0.0 178.0
 176 75.0 0.0 175.0

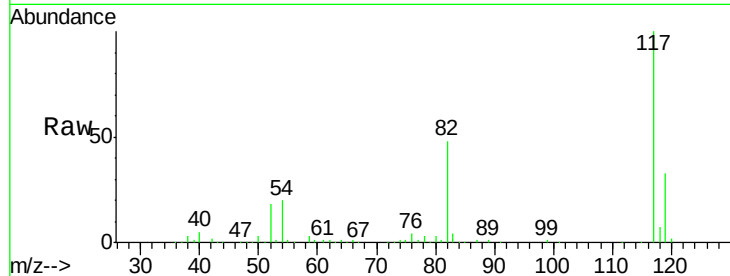




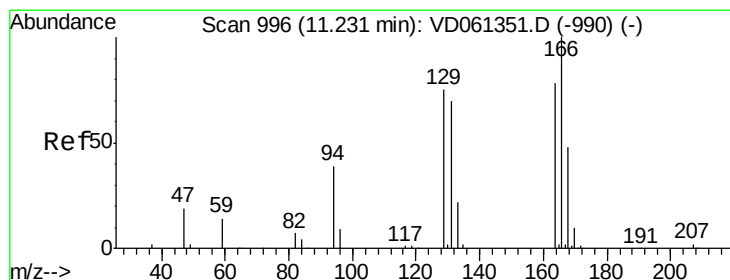
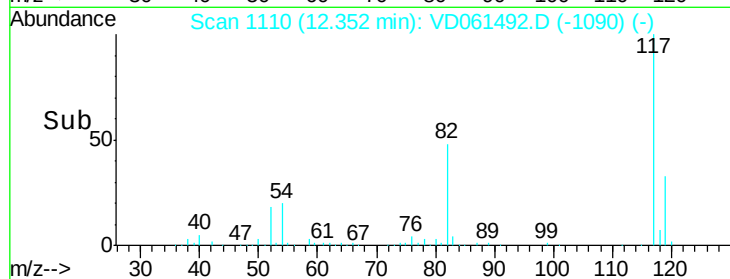
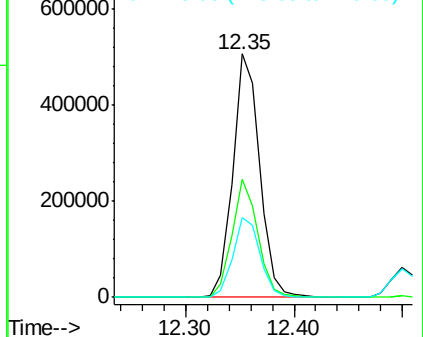
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.35 min Scan# 1110
Delta R.T. -0.00 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:117 Resp: 871833
Ion Ratio Lower Upper
117 100
82 48.4 34.4 51.6
119 32.8 25.8 38.6

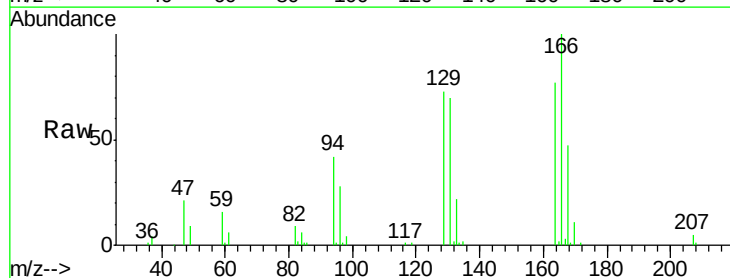


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

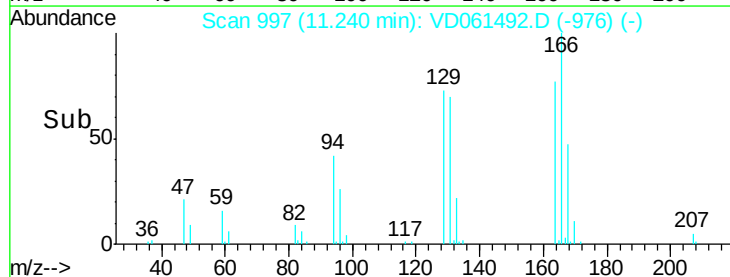
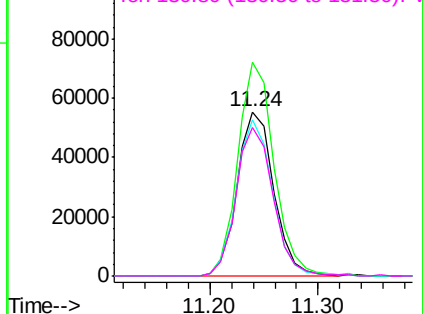


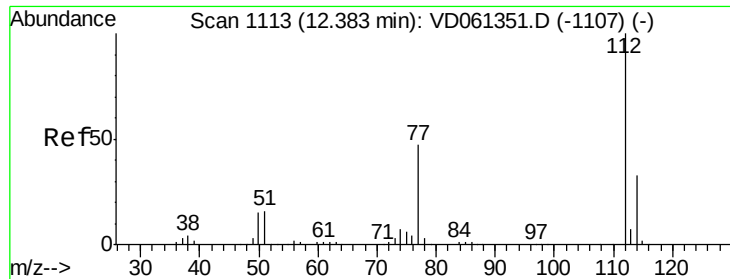
#64
Tetrachloroethene
Concen: 19.067 ug/l
RT: 11.24 min Scan# 997
Delta R.T. 0.01 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Tgt Ion:164 Resp: 130461
Ion Ratio Lower Upper
164 100
166 129.9 102.4 153.6
129 95.1 76.8 115.2
131 90.3 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

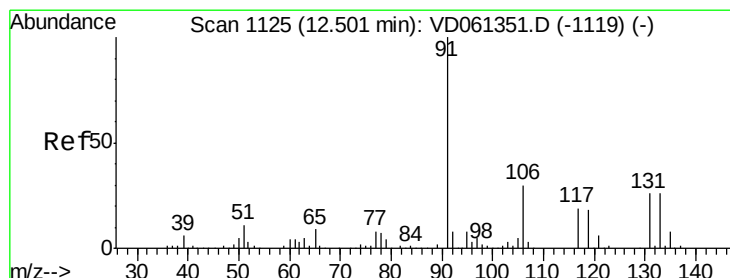
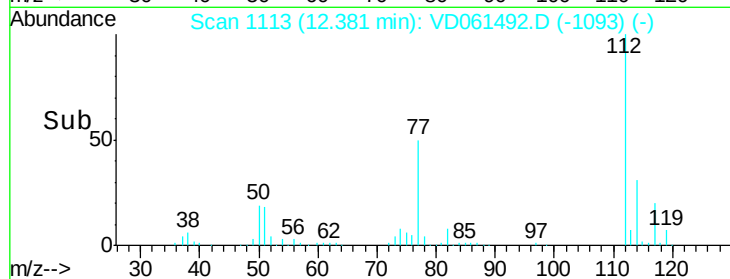
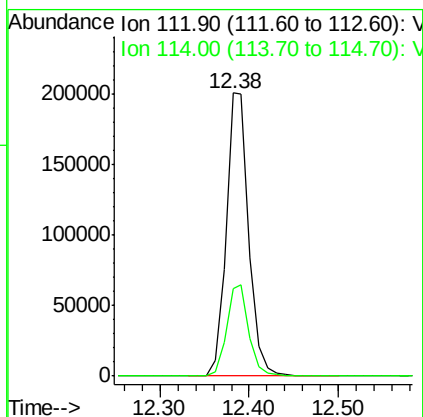
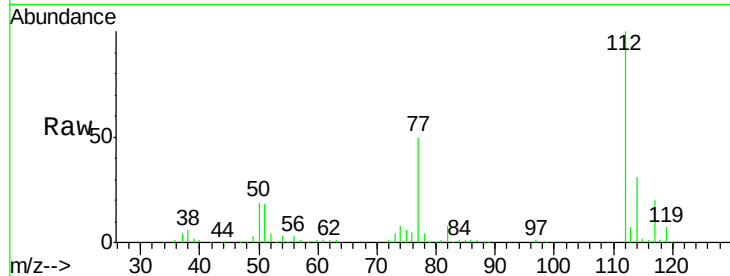




#65
Chlorobenzene
Concen: 20.089 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. -0.00 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

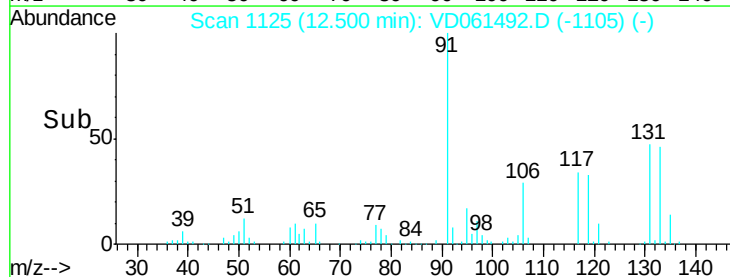
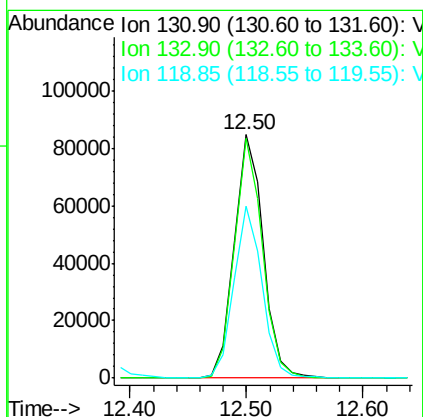
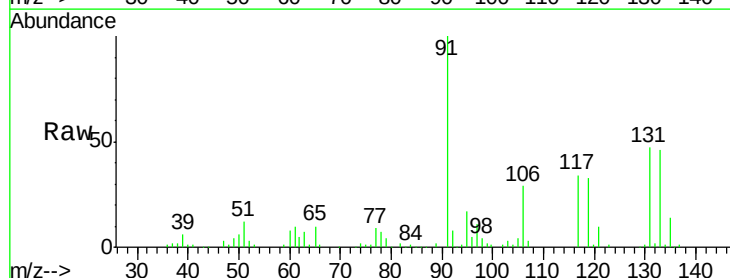
Instrument :
MSVOA_D
ClientSampleId :

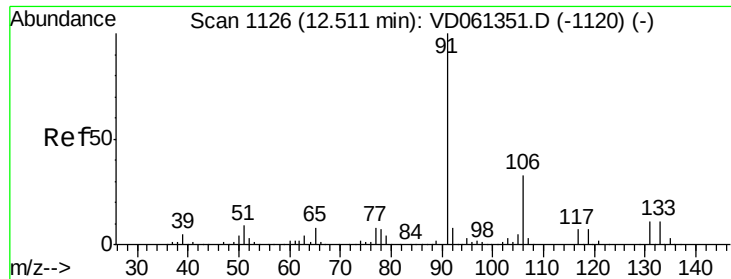
Tot Ion:112 Resp: 357931
Ion Ratio Lower Upper
112 100
114 31.0 26.6 39.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.065 ug/l
RT: 12.50 min Scan# 1125
Delta R.T. -0.00 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Tgt Ion:131 Resp: 145322
Ion Ratio Lower Upper
131 100
133 98.6 49.4 148.2
119 70.7 34.1 102.2

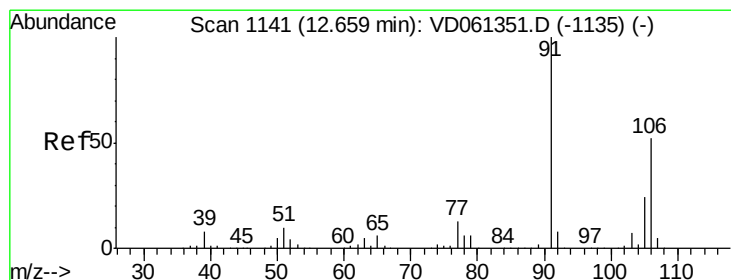
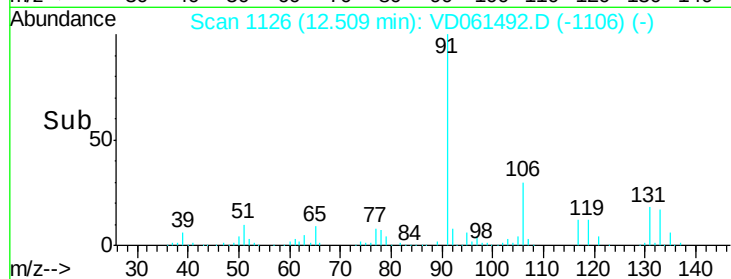
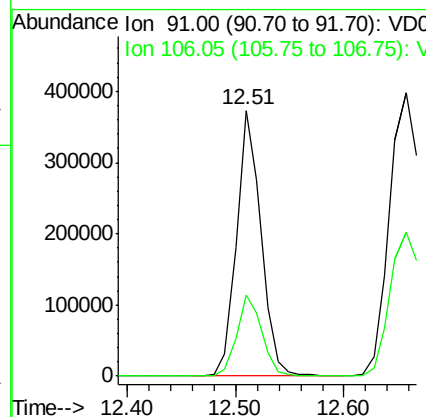
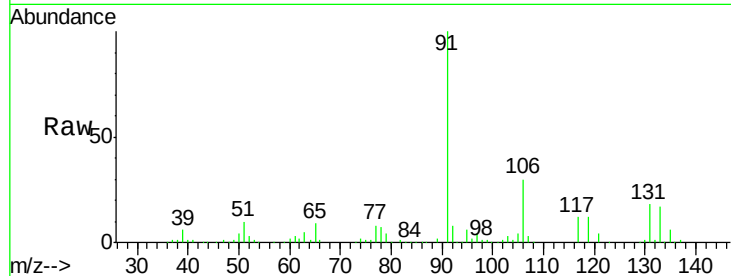




#67
Ethyl Benzene
Concen: 21.531 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

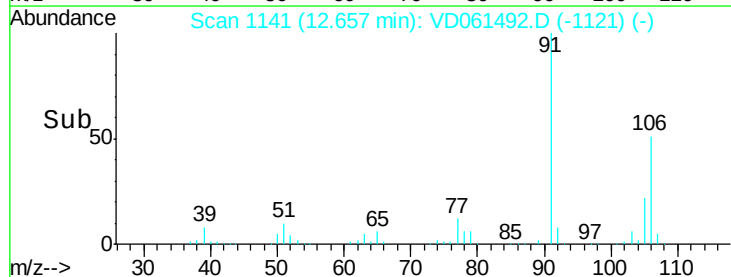
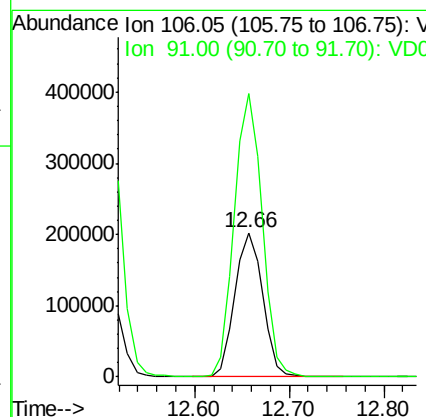
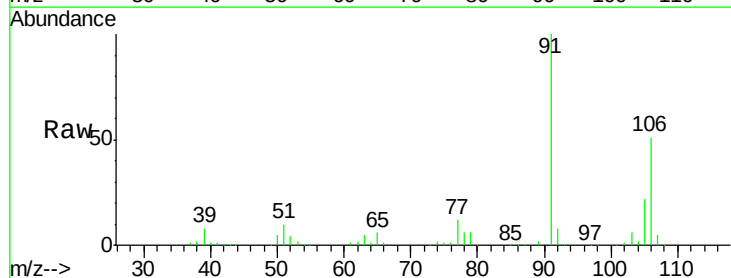
Instrument :
MSVOA_D
ClientSampled :

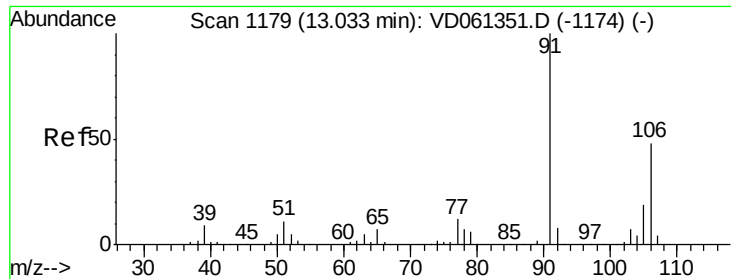
Tot Ion: 91 Resp: 585566
Ion Ratio Lower Upper
91 100
106 30.4 26.1 39.1



#68
m/p-Xylenes
Concen: 40.160 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.00 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Tgt Ion: 106 Resp: 413721
Ion Ratio Lower Upper
106 100
91 196.4 153.1 229.7

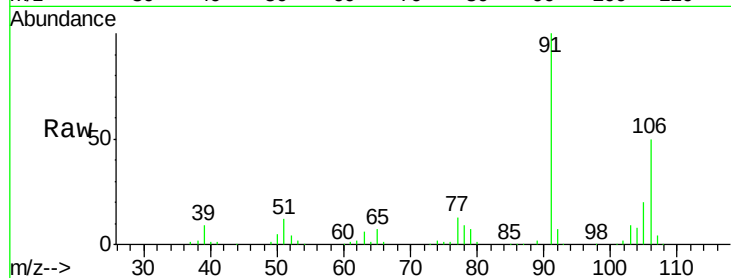




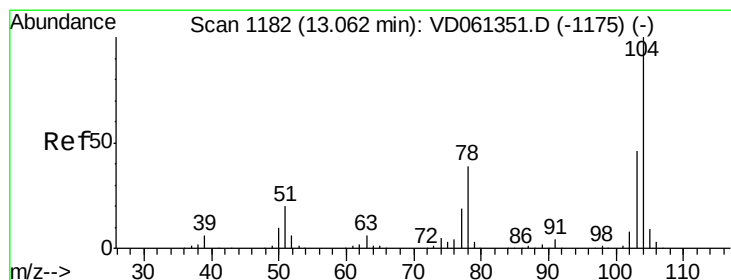
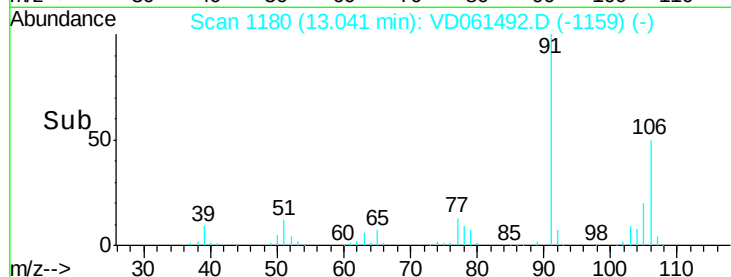
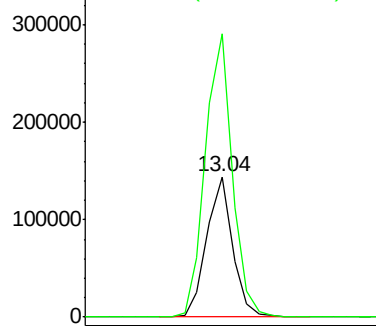
#69
o-Xylene
Concen: 20.432 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. 0.01 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 204261
Ion Ratio Lower Upper
106 100
91 201.8 103.8 311.3

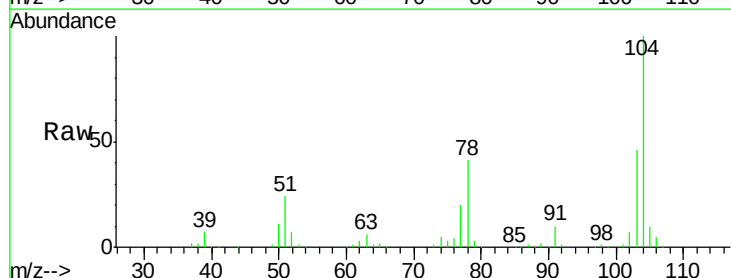


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

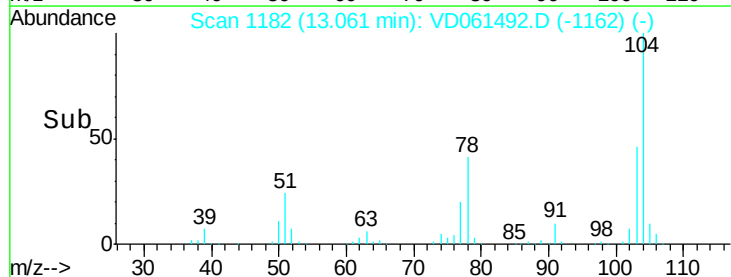
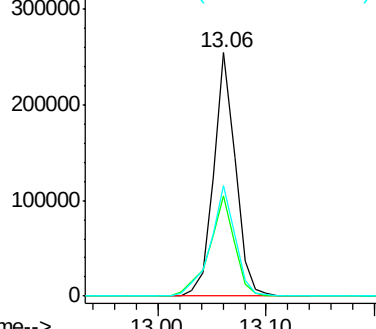


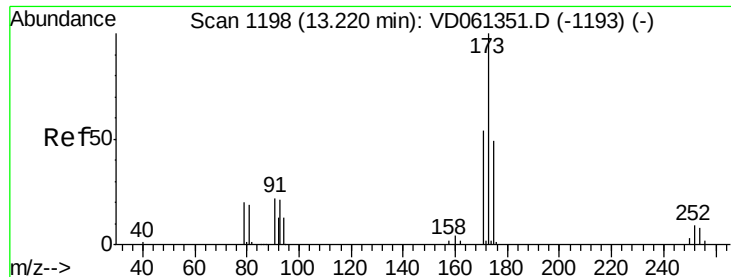
#70
Styrene
Concen: 20.370 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.00 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Tgt Ion:104 Resp: 354985
Ion Ratio Lower Upper
104 100
78 41.0 31.0 46.6
103 45.5 37.0 55.4



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

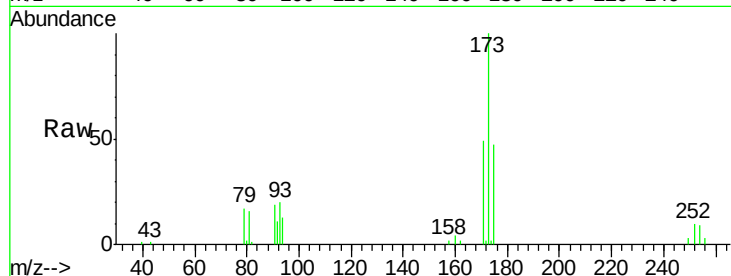




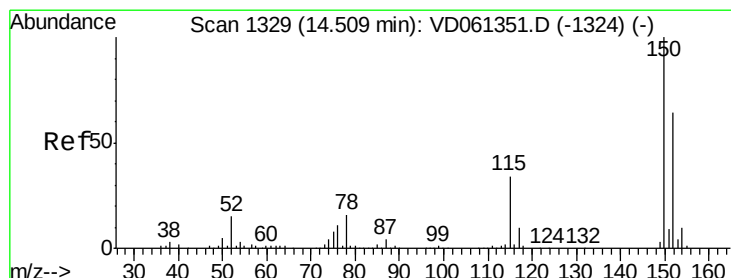
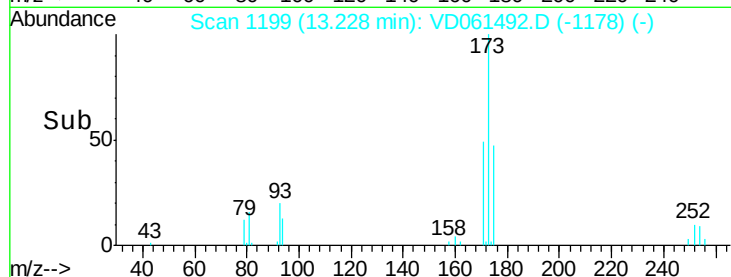
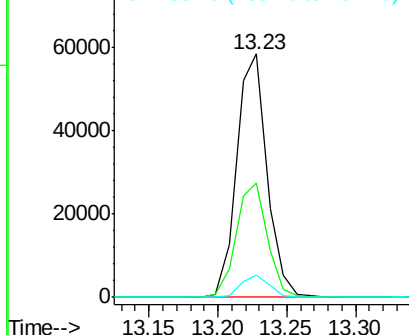
#71
Bromoform
Concen: 20.508 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. 0.01 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:173 Resp: 89683
Ion Ratio Lower Upper
173 100
175 46.9 24.6 73.8
254 9.2 6.6 10.0

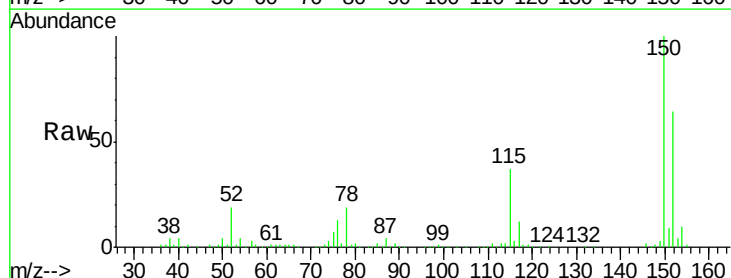


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

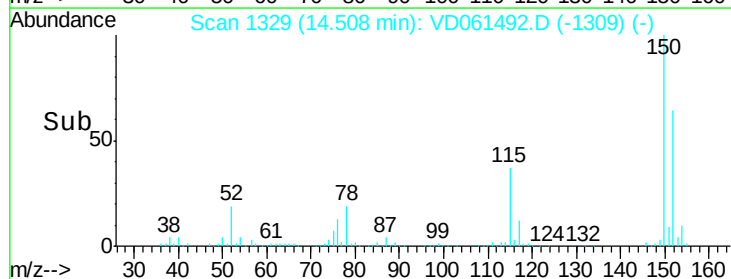
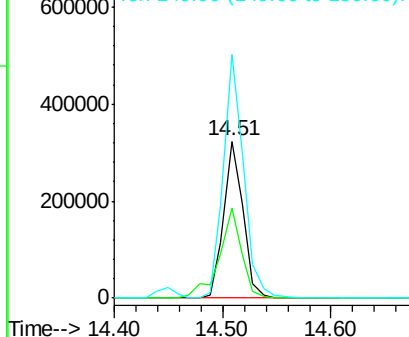


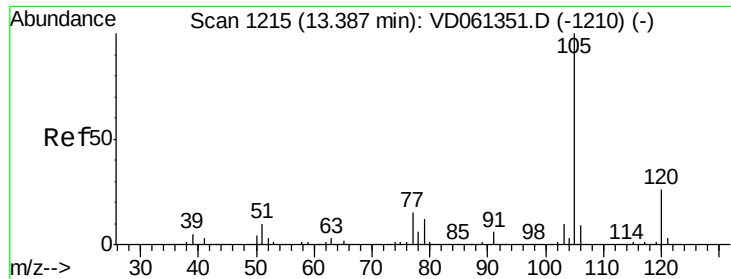
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.00 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Tgt Ion:152 Resp: 403381
Ion Ratio Lower Upper
152 100
115 57.2 26.9 80.6
150 155.2 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: 19.676 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. 0.01 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Instrument :

MSVOA_D

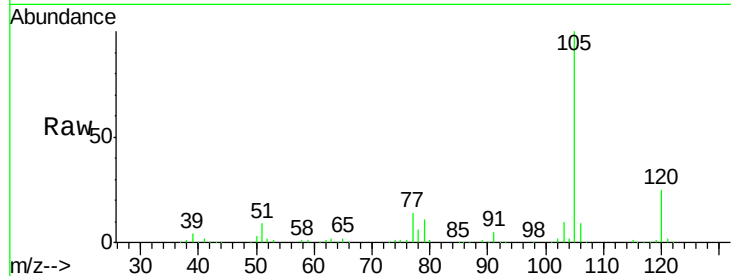
ClientSampleId :

Tot Ion:105 Resp: 552401

Ion Ratio Lower Upper

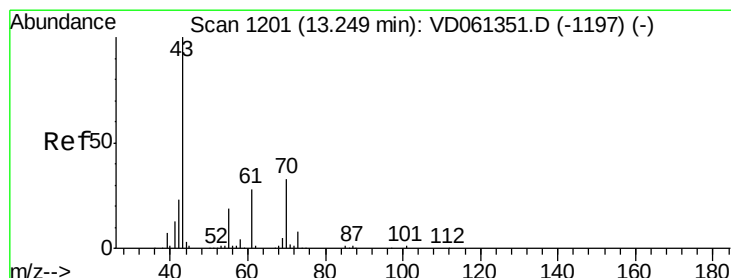
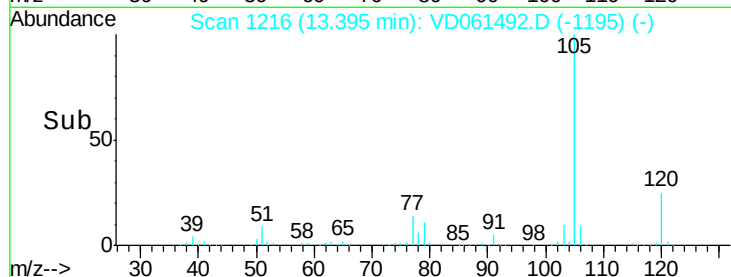
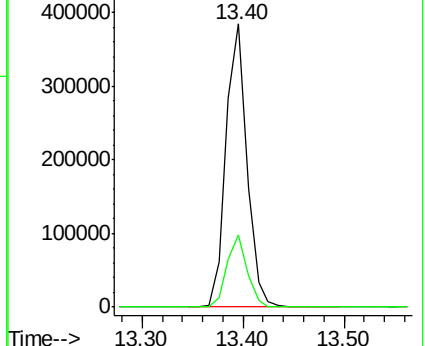
105 100

120 25.4 12.8 38.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.241 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. 0.01 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Tgt Ion: 43 Resp: 158303

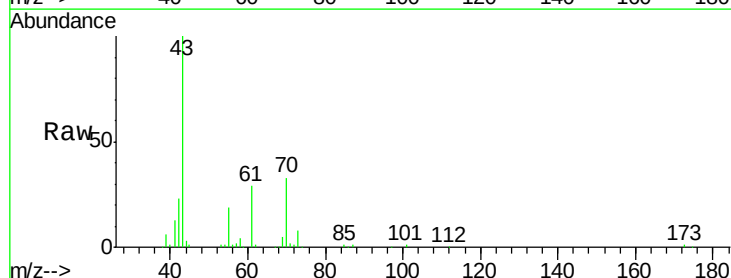
Ion Ratio Lower Upper

43 100

70 33.0 26.6 40.0

55 19.1 15.4 23.2

61 28.6 22.2 33.4

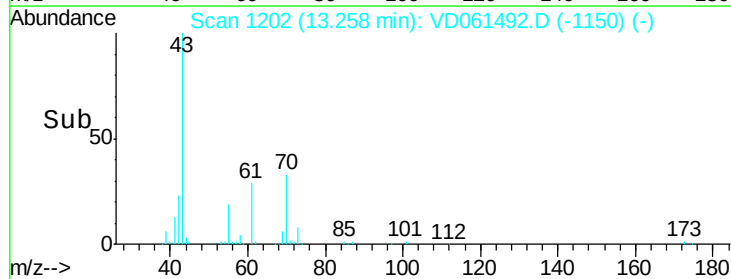
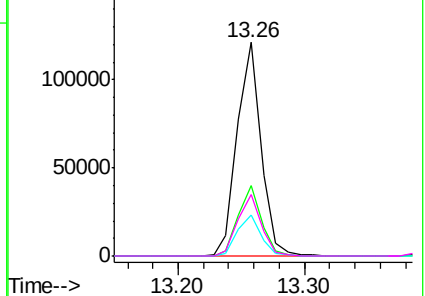


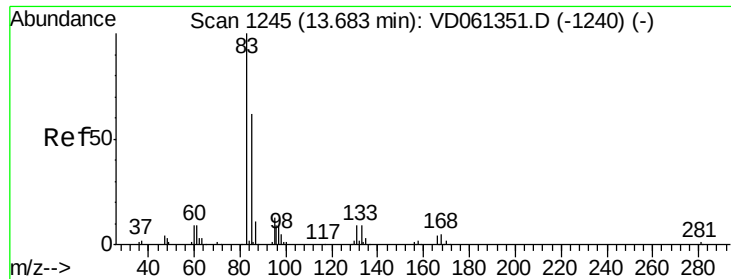
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.352 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.01 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Instrument :

MSVOA_D

ClientSampleId :

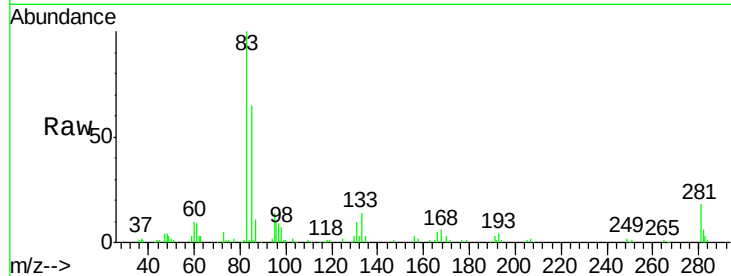
Tot Ion: 83 Resp: 114608

Ion Ratio Lower Upper

83 100

131 9.9 4.3 13.1

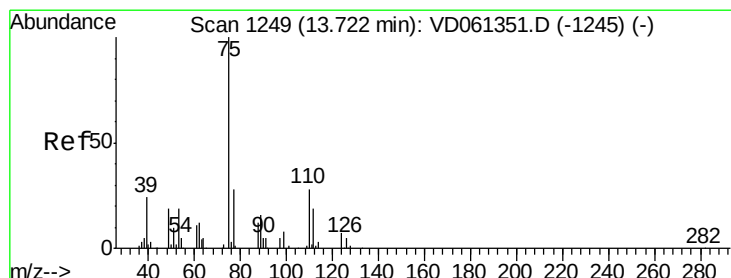
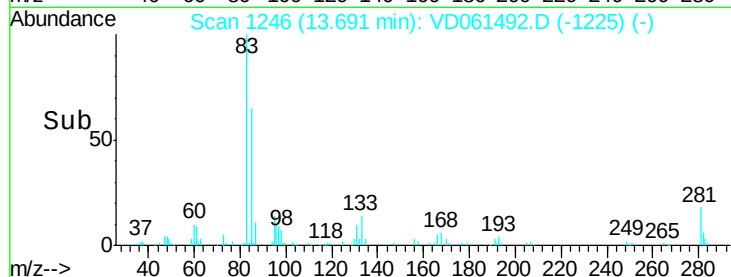
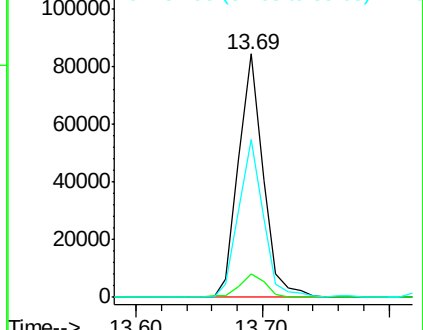
85 64.9 31.2 93.6



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.209 ug/l

RT: 13.72 min Scan# 1249

Delta R.T. -0.00 min

Lab File: VD061492.D

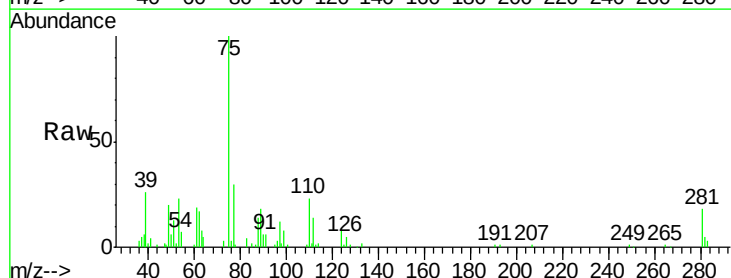
Acq: 2 Apr 2019 3:58

Tgt Ion: 75 Resp: 117757

Ion Ratio Lower Upper

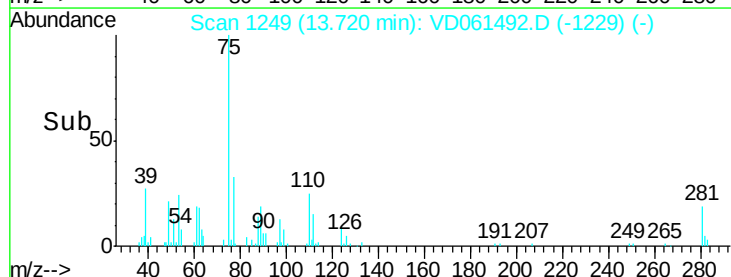
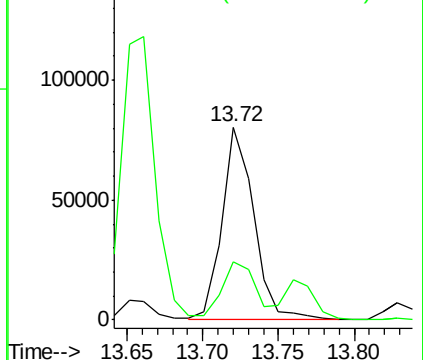
75 100

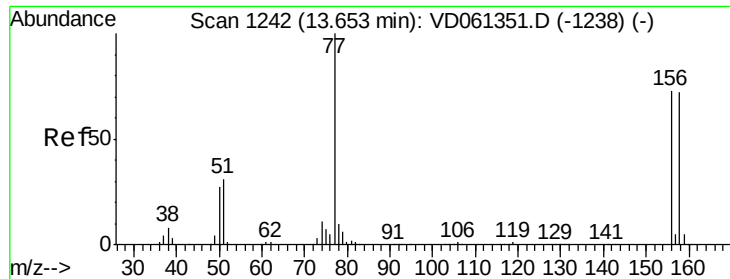
77 30.4 16.2 48.5



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 17.554 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. 0.01 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Instrument :

MSVOA_D

ClientSampleId :

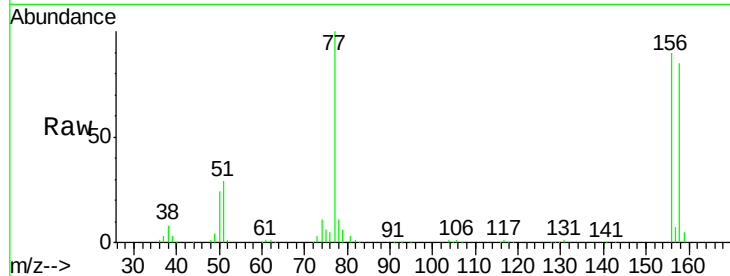
Tot Ion:156 Resp: 146103

Ion Ratio Lower Upper

156 100

77 111.4 68.5 205.6

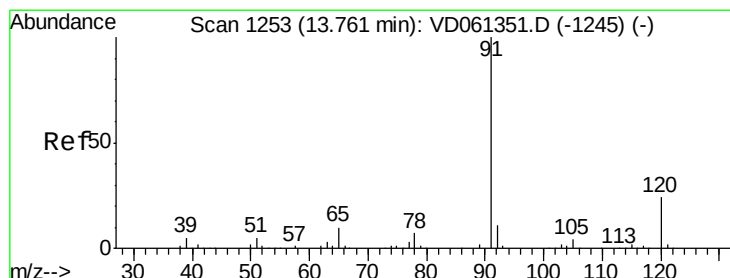
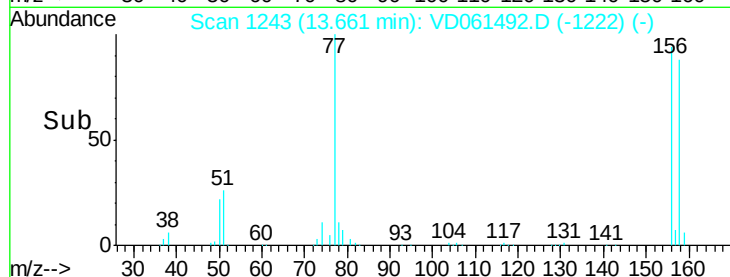
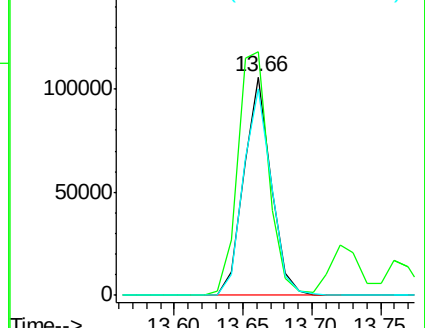
158 94.2 49.1 147.3



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.571 ug/l

RT: 13.76 min Scan# 1253

Delta R.T. -0.00 min

Lab File: VD061492.D

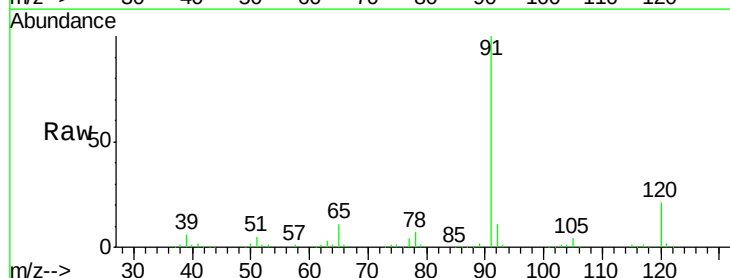
Acq: 2 Apr 2019 3:58

Tgt Ion: 91 Resp: 672399

Ion Ratio Lower Upper

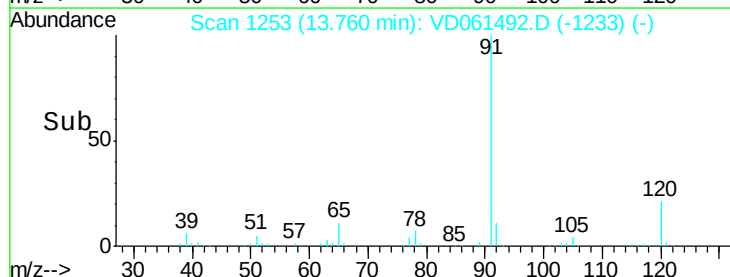
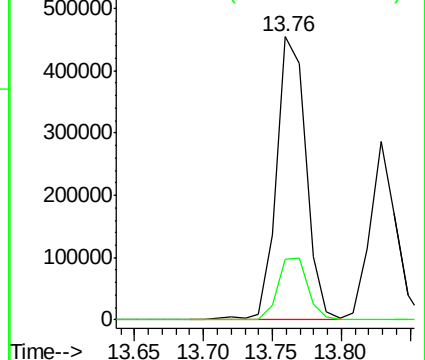
91 100

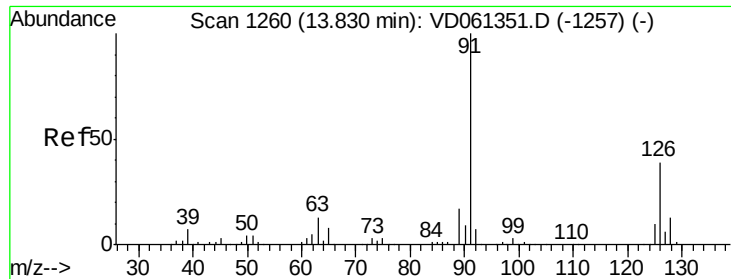
120 21.3 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 19.883 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Instrument :

MSVOA_D

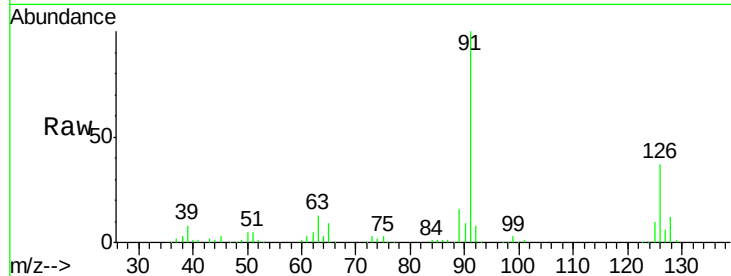
ClientSampleId :

Tot Ion: 91 Resp: 370925

Ion Ratio Lower Upper

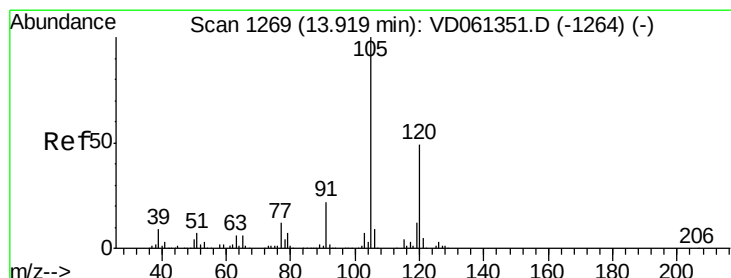
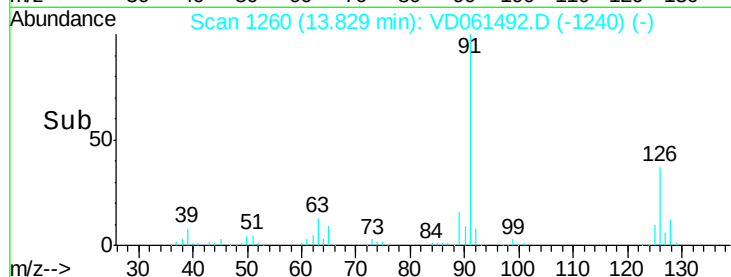
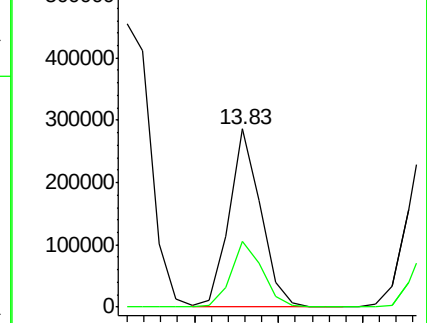
91 100

126 37.1 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: 18.826 ug/l

RT: 13.93 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD061492.D

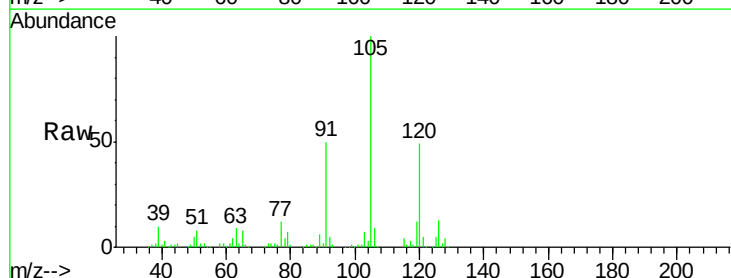
Acq: 2 Apr 2019 3:58

Tgt Ion:105 Resp: 410076

Ion Ratio Lower Upper

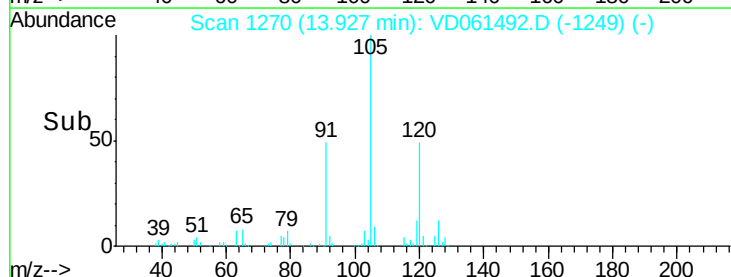
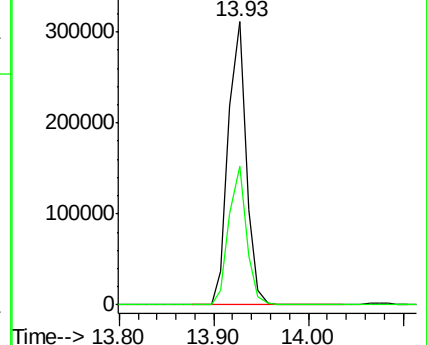
105 100

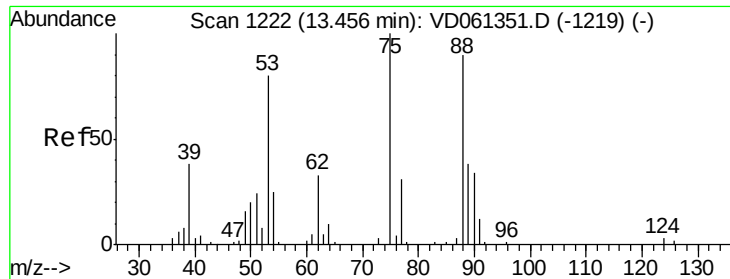
120 49.2 24.6 73.6



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

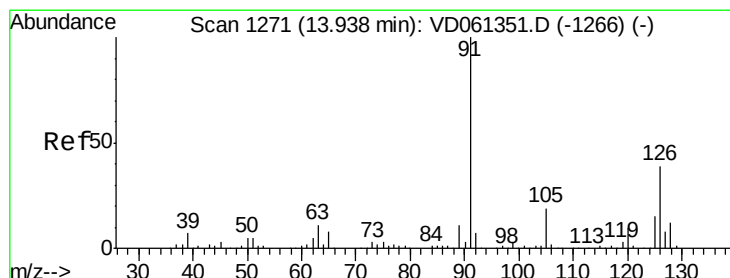
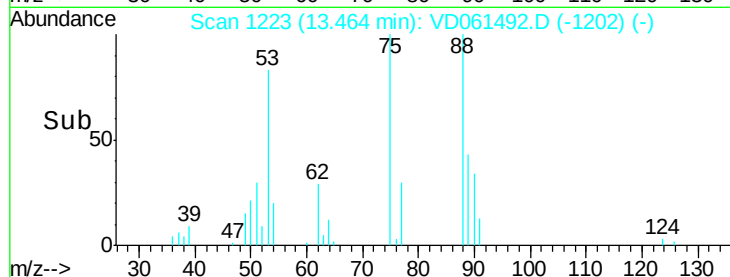
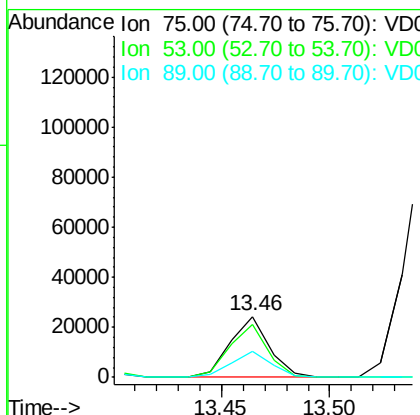
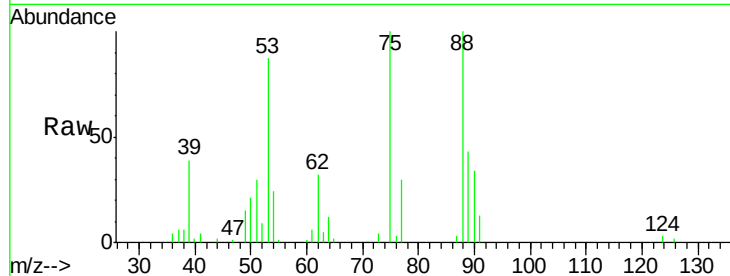




#81
trans-1,4-Dichloro-2-butene
Concen: 17.377 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

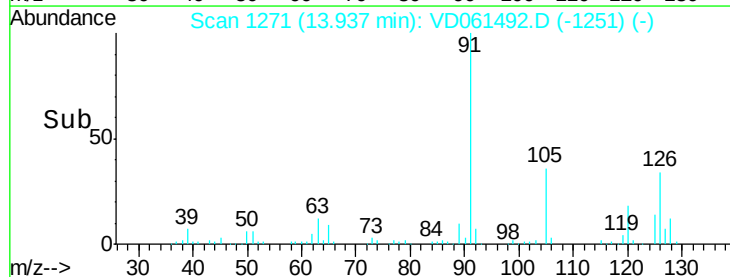
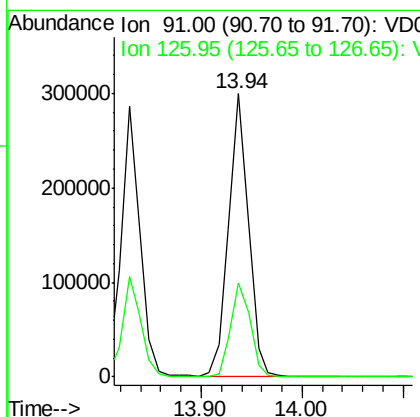
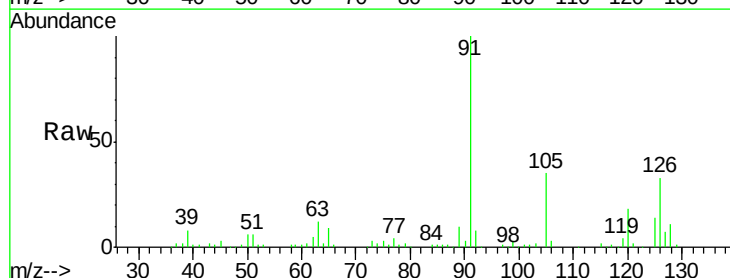
Instrument :
MSVOA_D
ClientSampled :

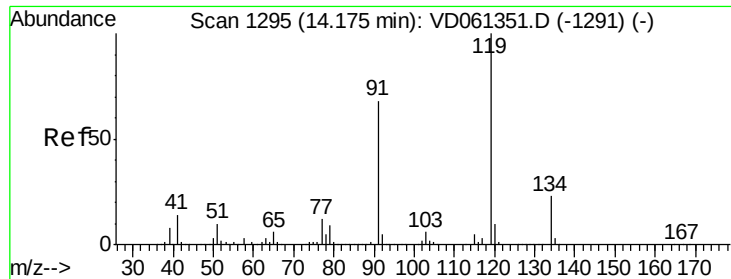
Tot Ion: 75 Resp: 30872
Ion Ratio Lower Upper
75 100
53 86.6 63.8 95.8
89 42.6 30.5 45.7



#82
4-Chlorotoluene
Concen: 20.183 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Tgt Ion: 91 Resp: 409393
Ion Ratio Lower Upper
91 100
126 33.3 19.6 58.8

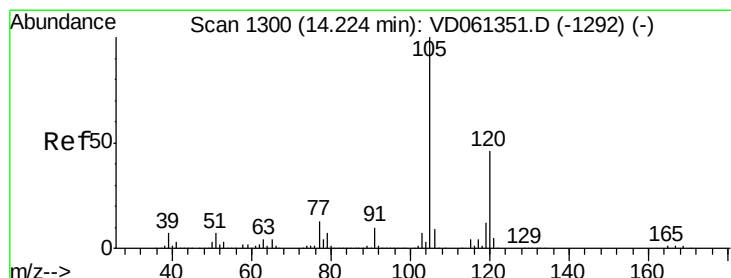
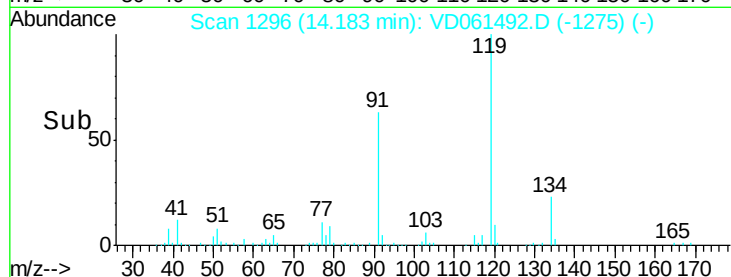
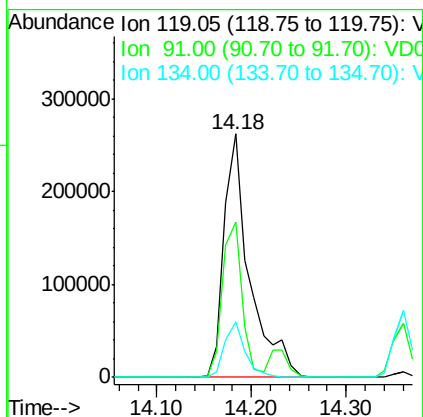
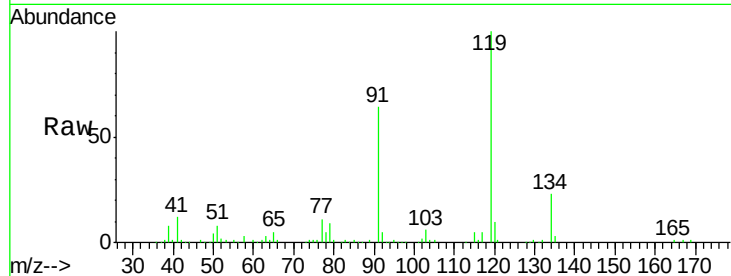




#83
tert-Butylbenzene
Concen: 18.081 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. 0.01 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

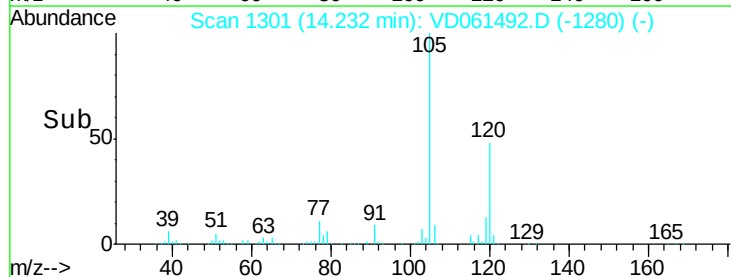
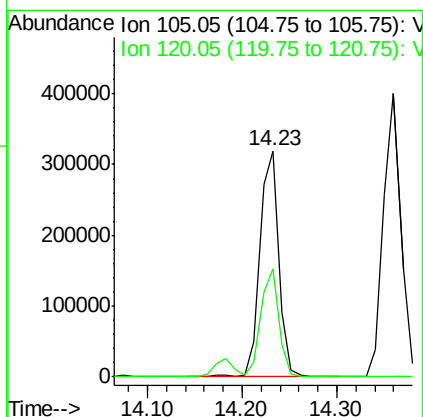
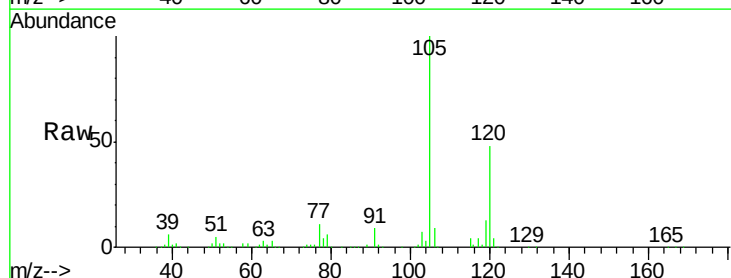
Instrument :
MSVOA_D
ClientSampleId :

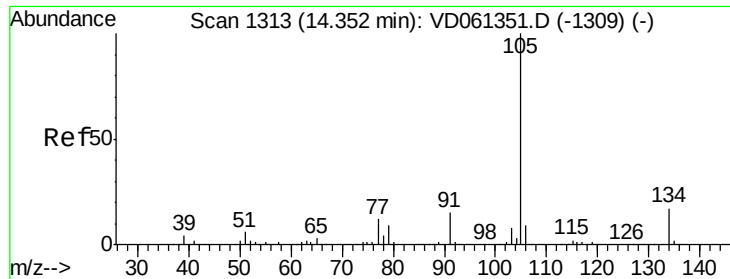
Tot Ion:119 Resp: 492206
Ion Ratio Lower Upper
119 100
91 63.9 34.1 102.3
134 22.8 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 18.899 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Tgt Ion:105 Resp: 445684
Ion Ratio Lower Upper
105 100
120 47.9 22.8 68.4





#85

sec-Butylbenzene

Concen: 17.803 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. 0.01 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Instrument :

MSVOA_D

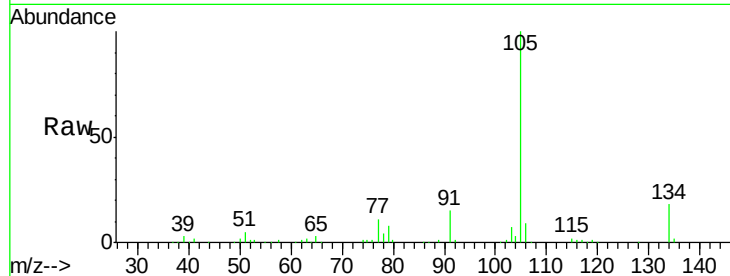
ClientSampleId :

Tot Ion:105 Resp: 514845

Ion Ratio Lower Upper

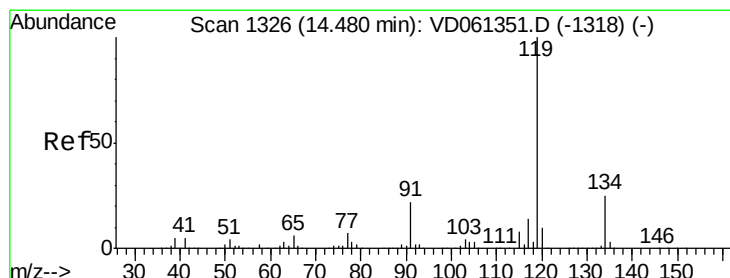
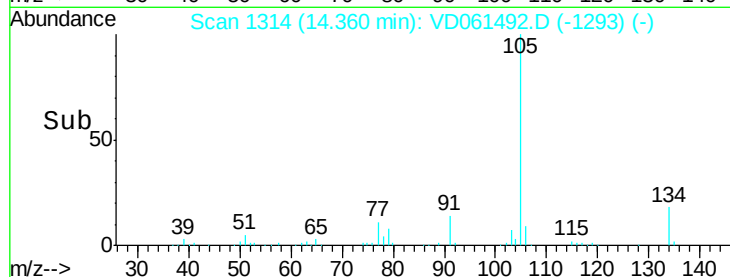
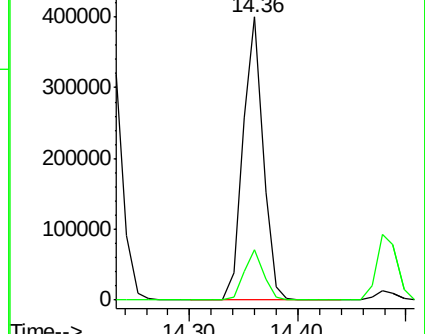
105 100

134 18.0 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: 20.725 ug/l

RT: 14.48 min Scan# 1326

Delta R.T. -0.00 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

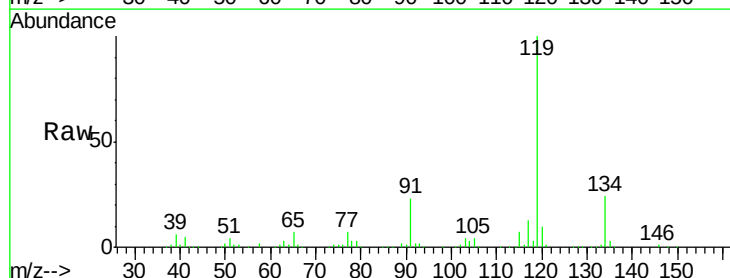
Tgt Ion:119 Resp: 506824

Ion Ratio Lower Upper

119 100

134 23.6 12.3 36.8

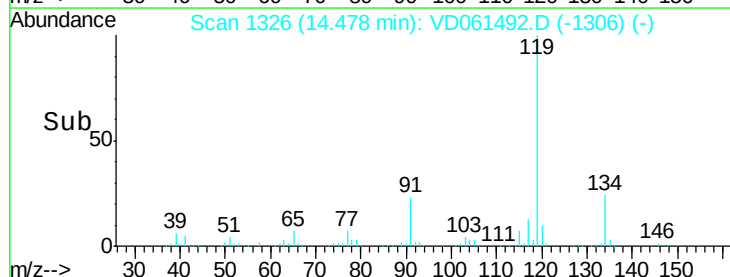
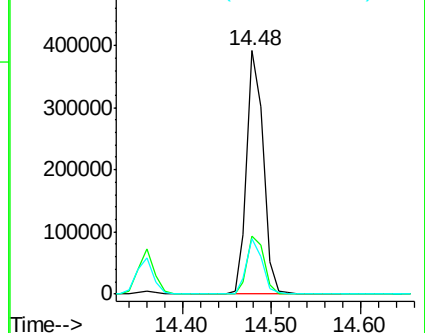
91 22.9 11.1 33.1

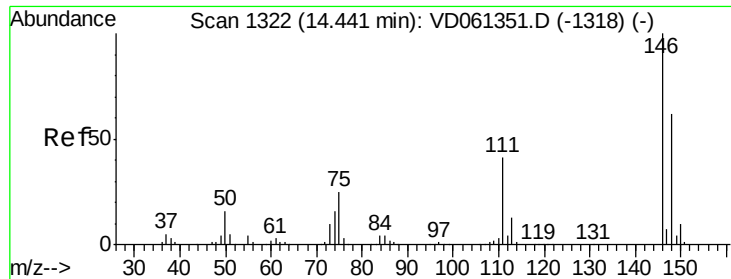


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

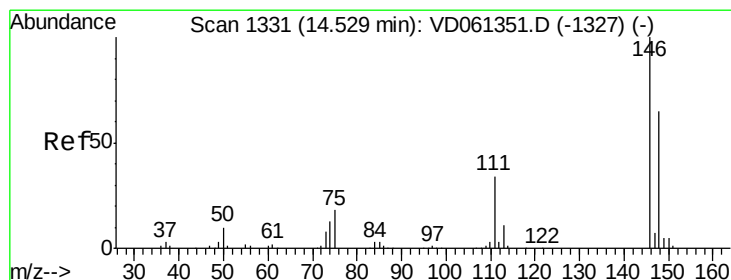
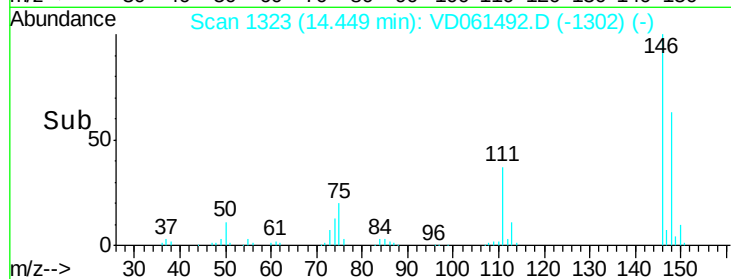
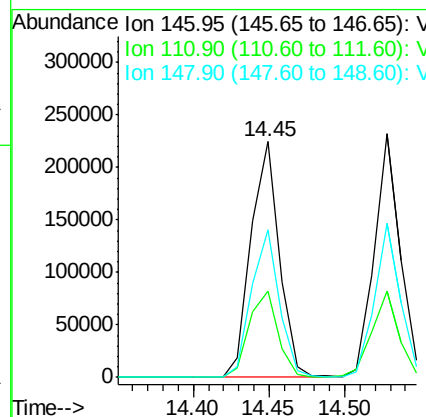
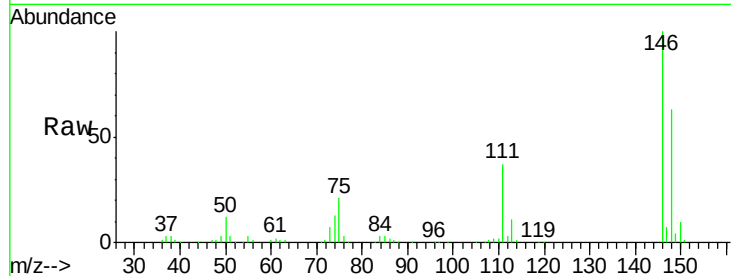




#87
 1,3-Dichlorobenzene
 Concen: 20.815 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. 0.01 min
 Lab File: VD061492.D
 Acq: 2 Apr 2019 3:58

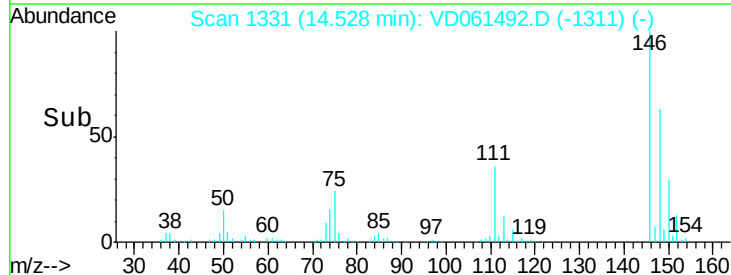
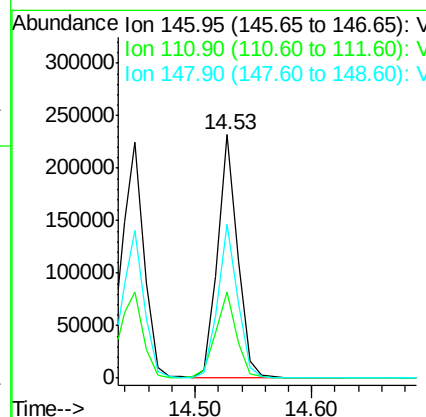
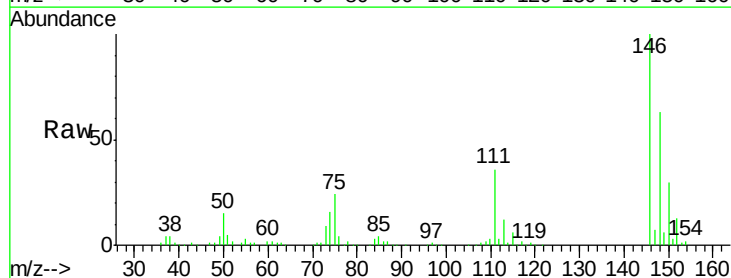
Instrument :
 MSVOA_D
 ClientSampled :

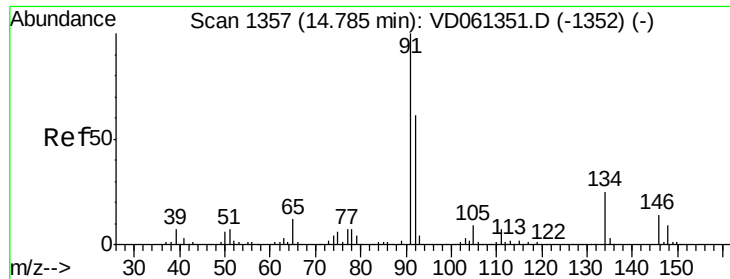
Tot Ion:146 Resp: 293371
 Ion Ratio Lower Upper
 146 100
 111 36.9 20.6 61.9
 148 62.5 31.1 93.3



#88
 1,4-Dichlorobenzene
 Concen: 20.205 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.00 min
 Lab File: VD061492.D
 Acq: 2 Apr 2019 3:58

Tgt Ion:146 Resp: 277707
 Ion Ratio Lower Upper
 146 100
 111 35.5 16.8 50.4
 148 63.3 32.6 98.0





#89

n-Butylbenzene

Concen: 20.081 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD061492.D

Acq: 2 Apr 2019 3:58

Instrument :

MSVOA_D

ClientSampled :

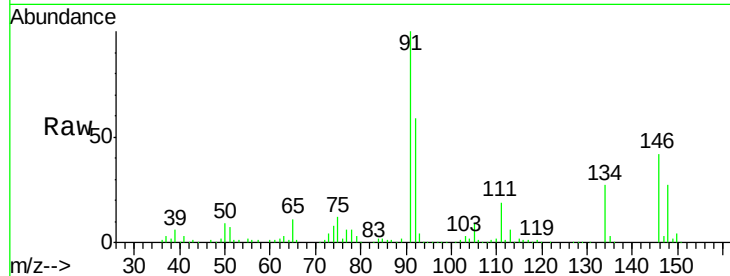
Tot Ion: 91 Resp: 450731

Ion Ratio Lower Upper

91 100

92 58.5 30.3 91.0

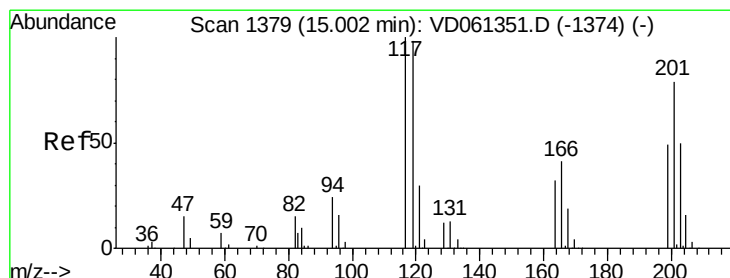
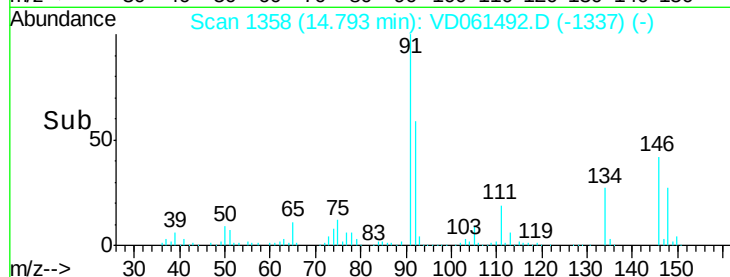
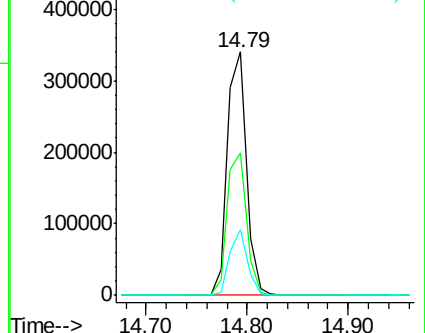
134 27.2 12.4 37.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 18.597 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD061492.D

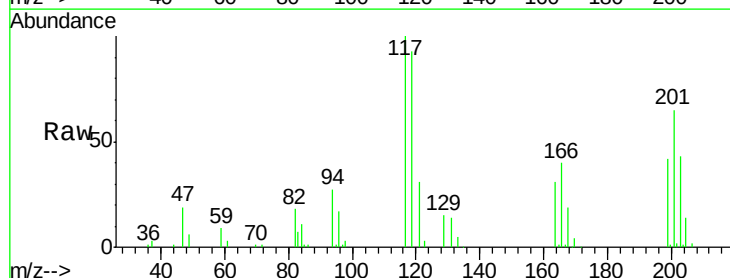
Acq: 2 Apr 2019 3:58

Tgt Ion: 117 Resp: 128482

Ion Ratio Lower Upper

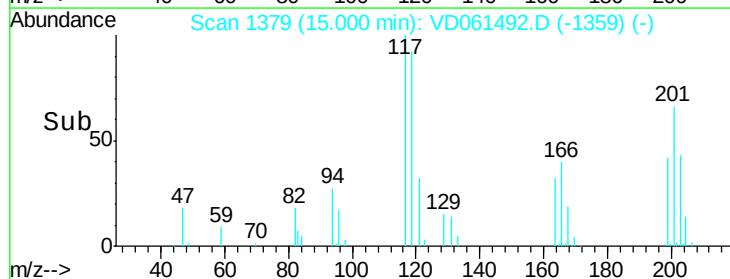
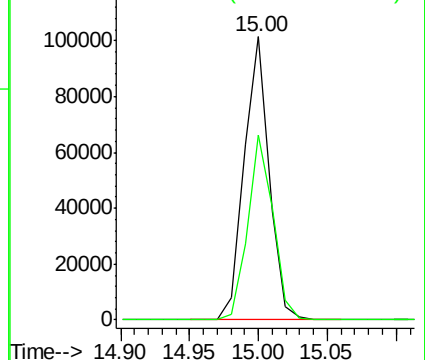
117 100

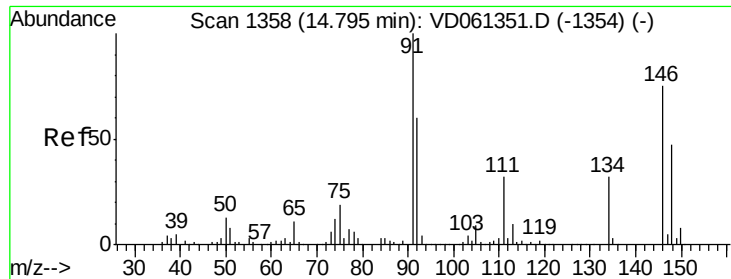
201 65.1 39.6 119.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

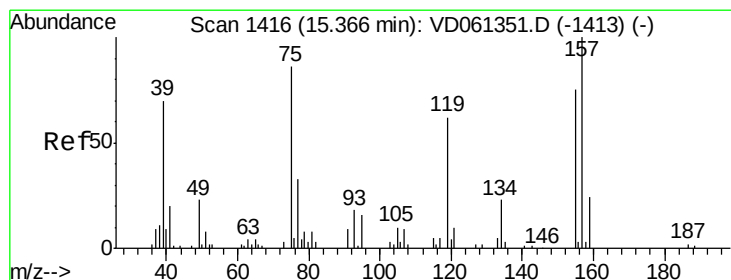
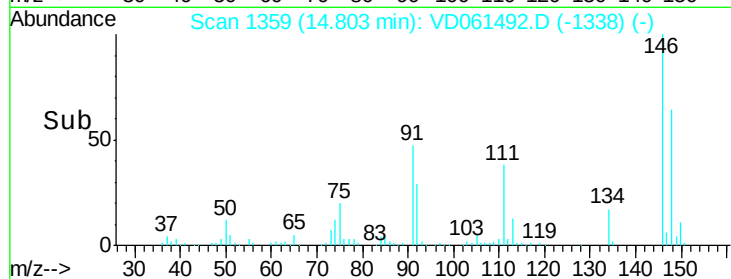
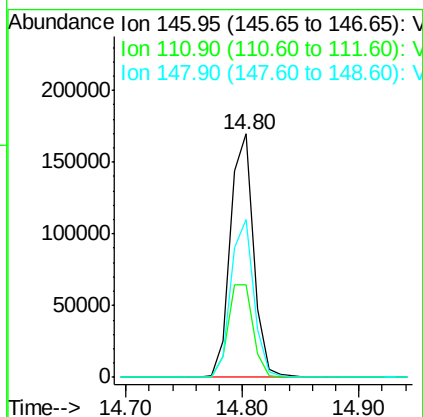
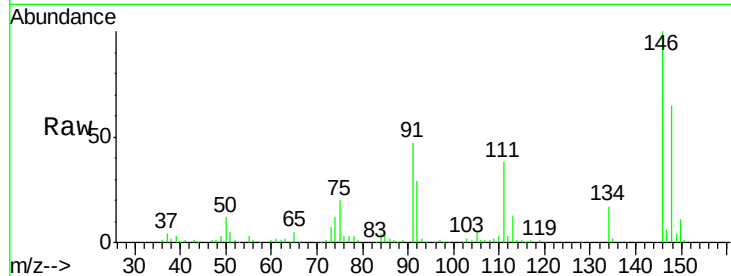




#91
 1,2-Dichlorobenzene
 Concen: 20.259 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.01 min
 Lab File: VD061492.D
 Acq: 2 Apr 2019 3:58

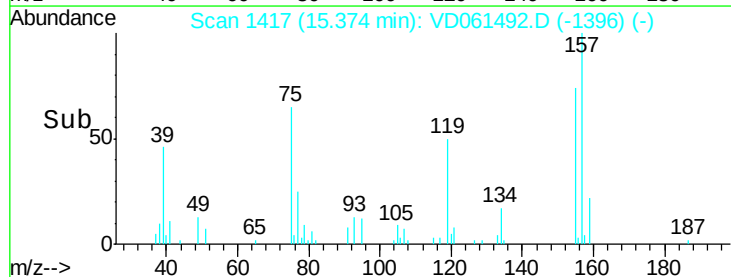
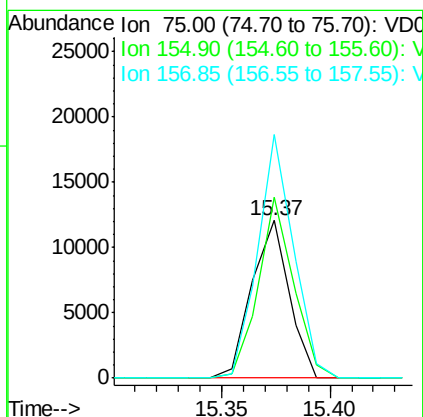
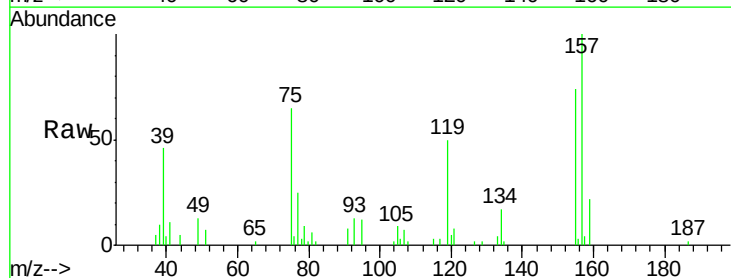
Instrument :
 MSVOA_D
 ClientSampled :

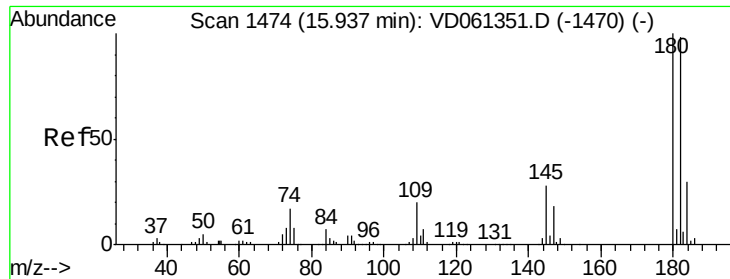
Tot Ion:146 Resp: 234210
 Ion Ratio Lower Upper
 146 100
 111 38.0 21.2 63.6
 148 64.6 31.6 95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.662 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. 0.01 min
 Lab File: VD061492.D
 Acq: 2 Apr 2019 3:58

Tgt Ion: 75 Resp: 14352
 Ion Ratio Lower Upper
 75 100
 155 114.4 43.6 130.9
 157 154.4 58.5 175.3

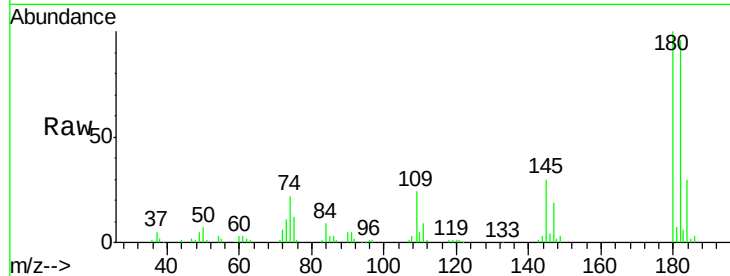




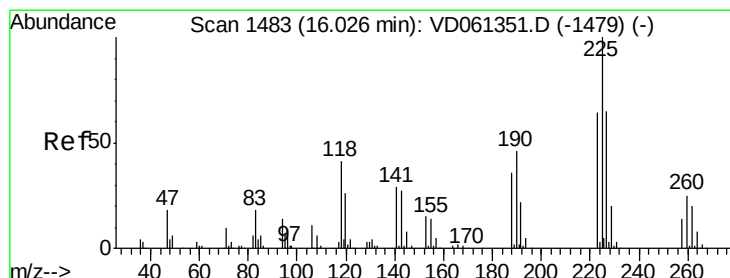
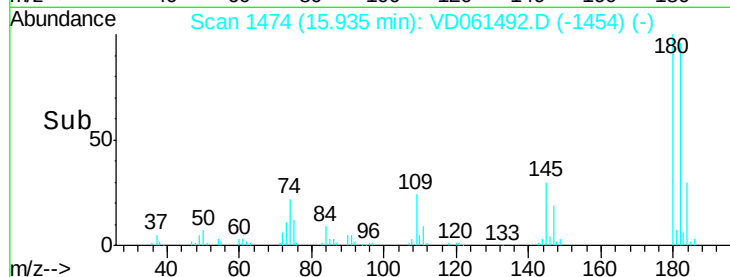
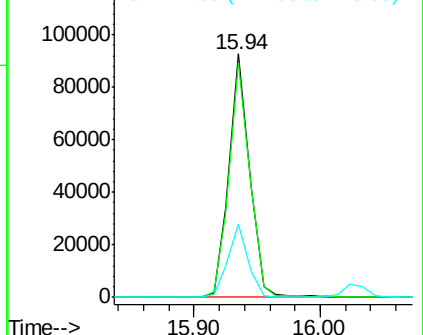
#93
 1,2,4-Trichlorobenzene
 Concen: 19.834 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.00 min
 Lab File: VD061492.D
 Acq: 2 Apr 2019 3:58

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 104453
 Ion Ratio Lower Upper
 180 100
 182 96.5 48.9 146.8
 145 30.4 14.1 42.3

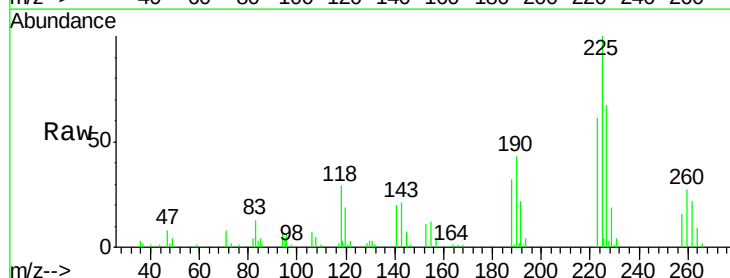


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

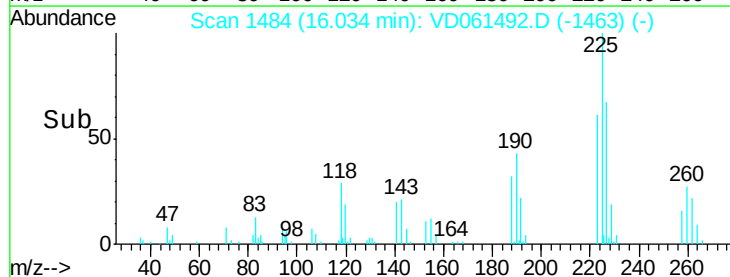
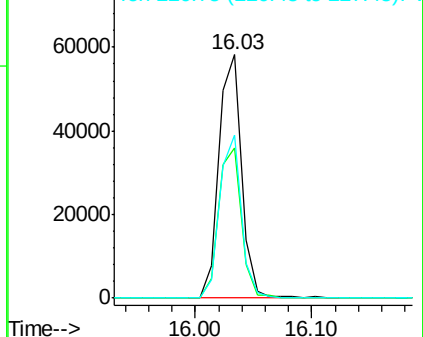


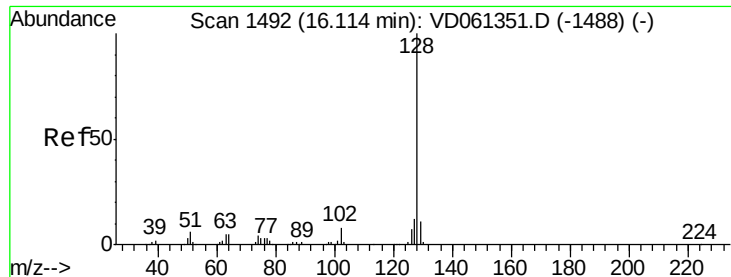
#94
 Hexachlorobutadiene
 Concen: 19.118 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD061492.D
 Acq: 2 Apr 2019 3:58

Tgt Ion:225 Resp: 78674
 Ion Ratio Lower Upper
 225 100
 223 61.5 32.0 96.0
 227 67.1 32.4 97.2



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

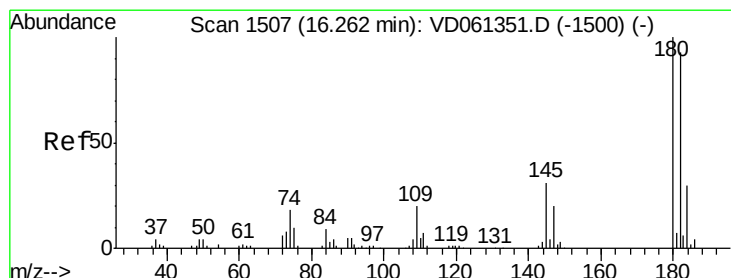
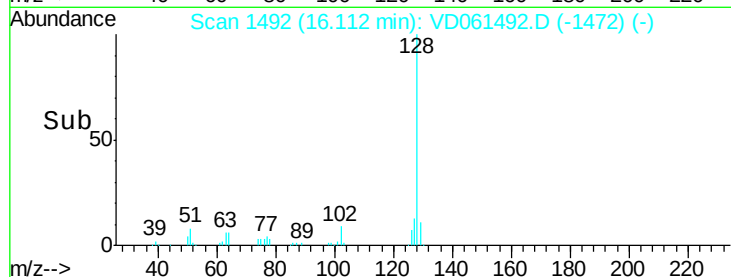
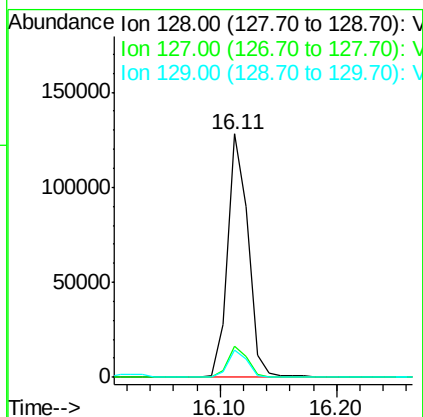
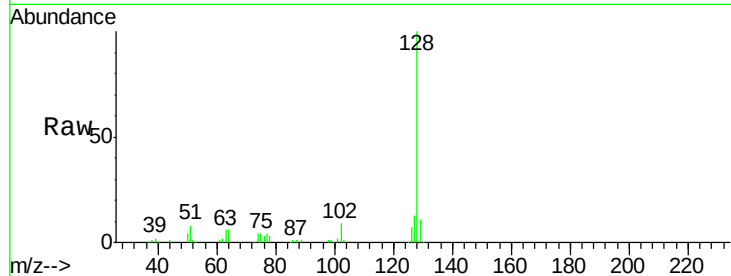




#95
Naphthalene
Concen: 19.378 ug/l
RT: 16.11 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 155555
Ion Ratio Lower Upper
128 100
127 12.9 9.9 14.9
129 11.2 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 19.069 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.00 min
Lab File: VD061492.D
Acq: 2 Apr 2019 3:58

Tgt Ion:180 Resp: 44190
Ion Ratio Lower Upper
180 100
182 94.7 46.4 139.1
145 33.2 15.3 45.9

