

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD032019\
 Data File : VD061203.D
 Acq On : 20 Mar 2019 12:59
 Operator : VA/AP
 Sample : VD0320SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Mar 22 01:58:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	690309	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	1191555	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	969121	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	423641	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.45	65	285796	49.74	ug/l	0.00
Spiked Amount			Recovery	=	99.48%	
35) Dibromofluoromethane	6.92	113	414777	46.91	ug/l	0.00
Spiked Amount			Recovery	=	93.82%	
50) Toluene-d8	10.40	98	1013490	45.64	ug/l	0.00
Spiked Amount			Recovery	=	91.28%	
62) 4-Bromofluorobenzene	13.54	95	390131	45.28	ug/l	0.00
Spiked Amount			Recovery	=	90.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.59	85	155405	22.727	ug/l	99
3) Chloromethane	1.76	50	117326	20.597	ug/l	98
4) Vinyl Chloride	1.86	62	112539	21.381	ug/l	95
5) Bromomethane	2.16	94	19892	18.585	ug/l	85
6) Chloroethane	2.27	64	28077	17.821	ug/l	95
7) Trichlorofluoromethane	2.54	101	149339	19.751	ug/l	95
8) Diethyl Ether	2.87	74	50185	20.119	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.16	101	181559	21.477	ug/l	99
10) Methyl Iodide	3.32	142	233101	21.782	ug/l	99
11) Tert butyl alcohol	4.05	59	41254	112.776	ug/l #	91
12) 1,1-Dichloroethene	3.13	96	140694	20.304	ug/l	96
13) Acrolein	3.04	56	38044	71.878	ug/l	92
14) Allyl chloride	3.62	41	231276	20.860	ug/l	98
15) Acrylonitrile	4.19	53	138495	107.123	ug/l	95
16) Acetone	3.23	43	185945	113.165	ug/l	98
17) Carbon Disulfide	3.38	76	474673	20.307	ug/l	100
18) Methyl Acetate	3.64	43	63520	19.643	ug/l	93
19) Methyl tert-butyl Ether	4.24	73	273440	22.517	ug/l	94
20) Methylene Chloride	3.82	84	193705	23.371	ug/l	91
21) trans-1,2-Dichloroethene	4.22	96	163867	21.849	ug/l	99
22) Diisopropyl ether	5.12	45	478606	20.795	ug/l	99
23) Vinyl Acetate	5.05	43	1244811	105.361	ug/l	100
24) 1,1-Dichloroethane	4.99	63	267248	21.193	ug/l	100
25) 2-Butanone	6.06	43	202233	108.465	ug/l	98
26) 2,2-Dichloropropane	6.02	77	217910	22.136	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	177384	22.292	ug/l	98
28) Bromochloromethane	6.44	49	96318	18.043	ug/l	86
29) Tetrahydrofuran	6.45	42	100904	99.666	ug/l	96
30) Chloroform	6.66	83	277066	21.200	ug/l	99
31) Cyclohexane	6.95	56	212114	20.861	ug/l	96
32) 1,1,1-Trichloroethane	6.86	97	241716	21.393	ug/l	97
36) 1,1-Dichloropropene	7.14	75	206639	20.119	ug/l	99
37) Ethyl Acetate	6.17	43	92771	19.248	ug/l #	97
38) Carbon Tetrachloride	7.11	117	234203	20.701	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	223512	20.987	ug/l	97
40) Benzene	7.45	78	534201	20.815	ug/l	99
41) Methacrylonitrile	6.44	41	108935	19.650	ug/l #	94
42) 1,2-Dichloroethane	7.57	62	157404	21.134	ug/l	97
43) Isopropyl Acetate	9.23	43	124348	18.627	ug/l #	95
44) Trichloroethene	8.53	130	200693	22.667	ug/l	96
45) 1,2-Dichloropropane	8.93	63	136772	20.285	ug/l	97
46) Dibromomethane	9.05	93	89832	21.003	ug/l	97
47) Bromodichloromethane	9.37	83	206353	21.380	ug/l	96
48) Methyl methacrylate	9.11	41	77297	20.565	ug/l	90
49) 1,4-Dioxane	9.07	88	16229	427.006	ug/l	94
51) 4-Methyl-2-Pentanone	10.29	43	421508	103.066	ug/l	96
52) Toluene	10.50	92	328333	20.573	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	188028	21.305	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	226279	21.339	ug/l	95
55) 1,1,2-Trichloroethane	11.18	97	110876	20.862	ug/l	99
56) Ethyl methacrylate	11.03	69	114417	20.567	ug/l	96
57) 1,3-Dichloropropane	11.40	76	166408	20.952	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.85	63	288922	98.118	ug/l	100
59) 2-Hexanone	11.53	43	301944	100.931	ug/l	95
60) Dibromochloromethane	11.67	129	167376	21.399	ug/l	98
61) 1,2-Dibromoethane	11.79	107	133743	21.632	ug/l	99
64) Tetrachloroethene	11.25	164	149389	22.835	ug/l	96
65) Chlorobenzene	12.39	112	393660	20.720	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	157007	23.184	ug/l	98
67) Ethyl Benzene	12.52	91	635299	22.461	ug/l	99
68) m/p-Xylenes	12.66	106	501201	45.147	ug/l	95
69) o-Xylene	13.04	106	232647	21.319	ug/l	99
70) Styrene	13.06	104	383988	21.550	ug/l	97
71) Bromoform	13.23	173	91035	20.838	ug/l	97
73) Isopropylbenzene	13.40	105	564268	18.482	ug/l	100
74) N-amyl acetate	13.26	43	168391	19.588	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.69	83	125245	21.026	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	130900	21.477	ug/l	97
77) Bromobenzene	13.66	156	165997	21.299	ug/l	94
78) n-propylbenzene	13.77	91	754780	21.117	ug/l	95
79) 2-Chlorotoluene	13.83	91	439634	22.342	ug/l	99
80) 1,3,5-Trimethylbenzene	14.23	105	523922	22.604	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.46	75	38853	21.622	ug/l	99
82) 4-Chlorotoluene	13.94	91	480523	20.656	ug/l	95
83) tert-Butylbenzene	14.18	119	592396	23.354	ug/l	97
84) 1,2,4-Trimethylbenzene	14.23	105	523922	22.604	ug/l	99
85) sec-Butylbenzene	14.36	105	599329	19.354	ug/l	97
86) p-Isopropyltoluene	14.49	119	580764	22.944	ug/l	96
87) 1,3-Dichlorobenzene	14.45	146	297163	21.353	ug/l	96
88) 1,4-Dichlorobenzene	14.53	146	299279	21.884	ug/l	96
89) n-Butylbenzene	14.79	91	493858	20.317	ug/l	97
90) Hexachloroethane	15.00	117	158044	22.112	ug/l	83
91) 1,2-Dichlorobenzene	14.80	146	249617	21.515	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	15.37	75	15830	22.053	ug/l	76

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Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration

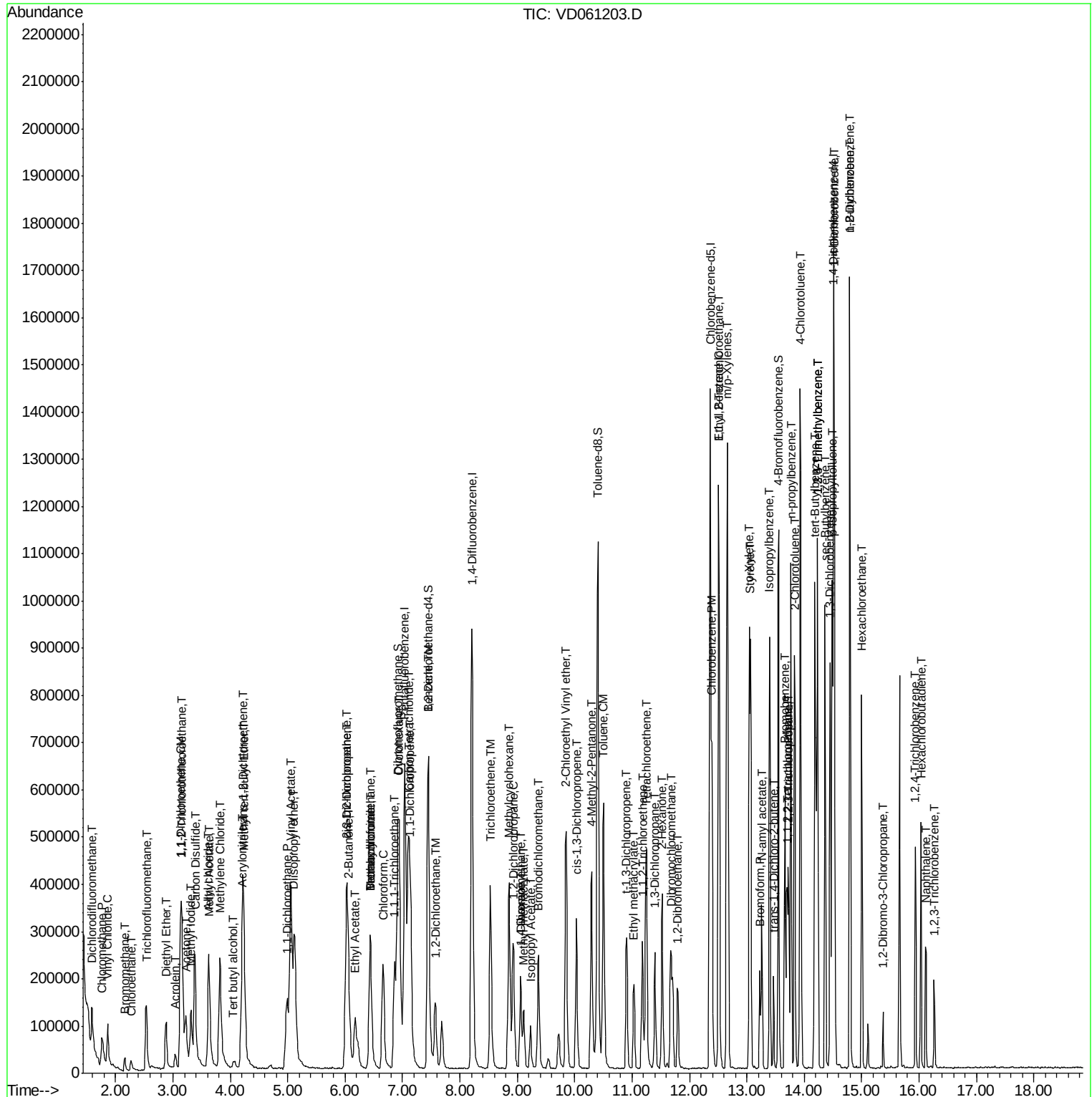
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	116139	21.579	ug/l	98
94) Hexachlorobutadiene	16.03	225	90145	22.144	ug/l	97
95) Naphthalene	16.12	128	183942	22.490	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	48048	18.075	ug/l	92

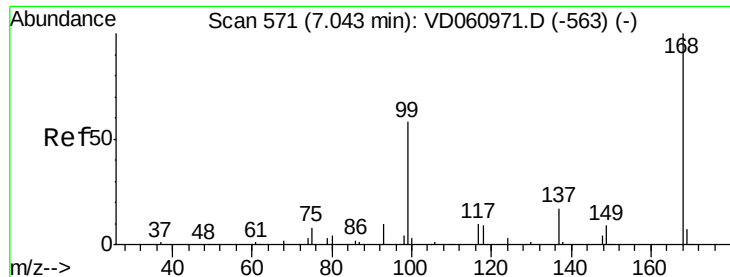
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VD061203.D
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Sample : VD0320SBSD01
Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampled :

Quant Time: Mar 22 01:58:45 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
Quant Title : SW846 8260
QLast Update : Fri Mar 08 02:35:39 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

Instrument :

MSVOA_D

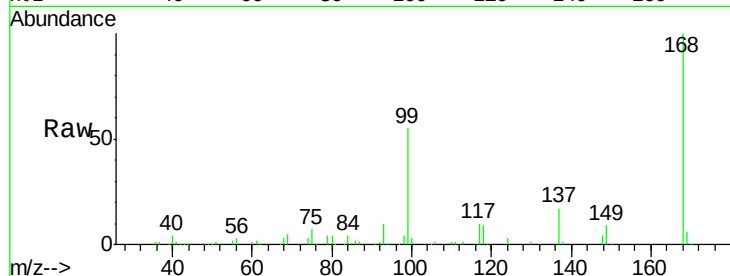
ClientSampleId :

Tot Ion:168 Resp: 690309

Ion Ratio Lower Upper

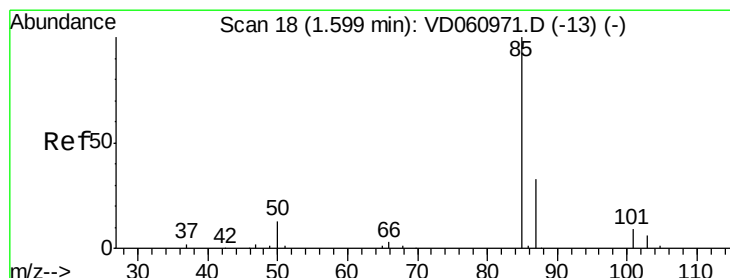
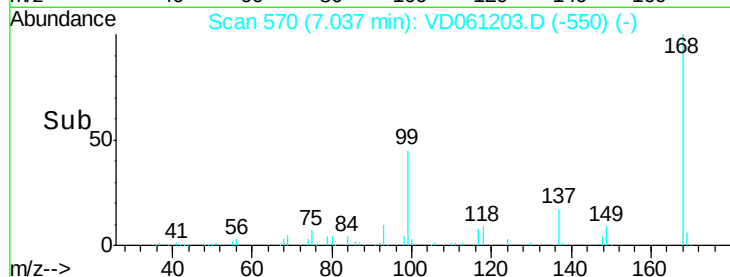
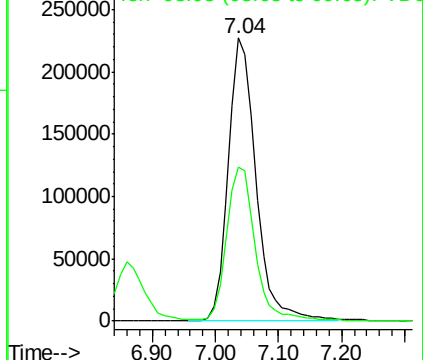
168 100

99 54.6 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 22.727 ug/l

RT: 1.59 min Scan# 17

Delta R.T. -0.01 min

Lab File: VD061203.D

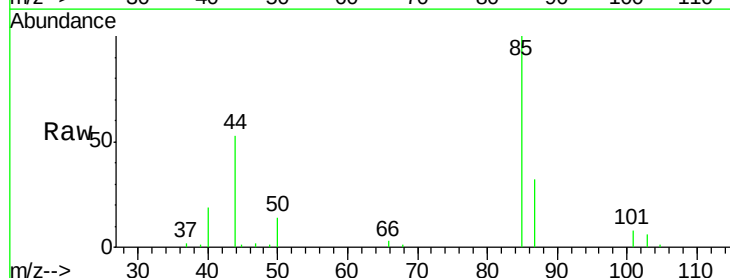
Acq: 20 Mar 2019 12:59

Tgt Ion: 85 Resp: 155405

Ion Ratio Lower Upper

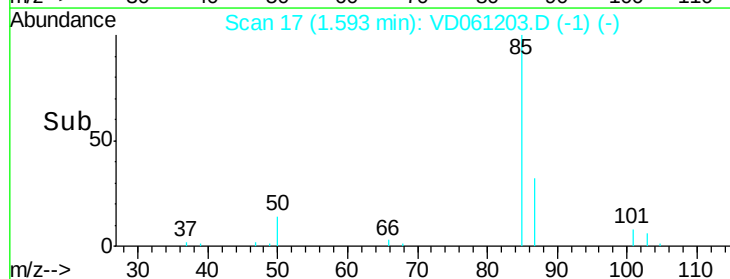
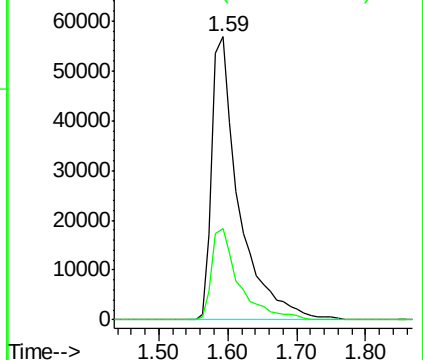
85 100

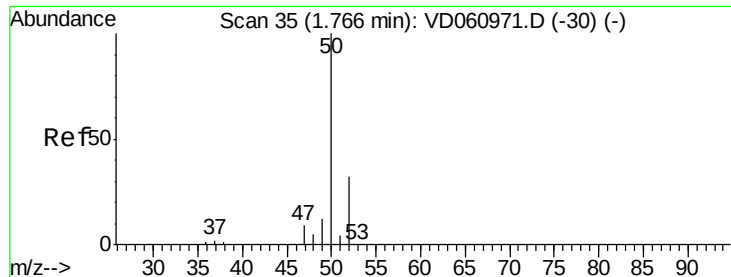
87 32.1 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.597 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

Instrument :

MSVOA_D

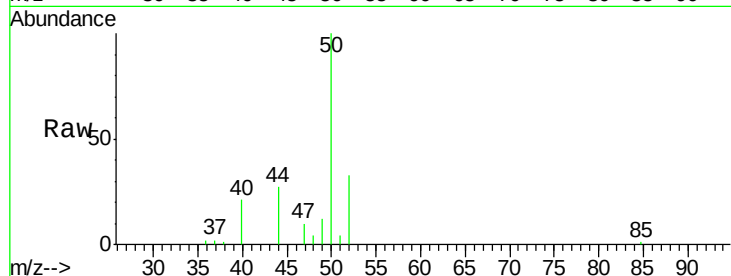
ClientSampleId :

Tot Ion: 50 Resp: 117326

Ion Ratio Lower Upper

50 100

52 33.4 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

40000

30000

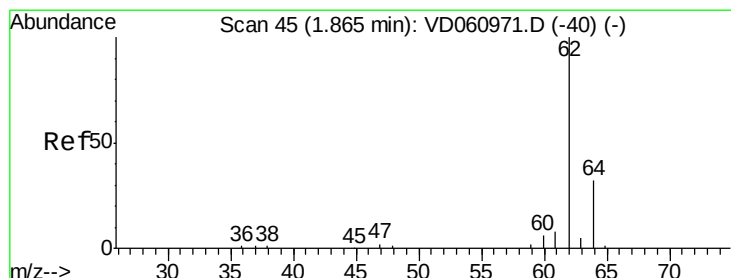
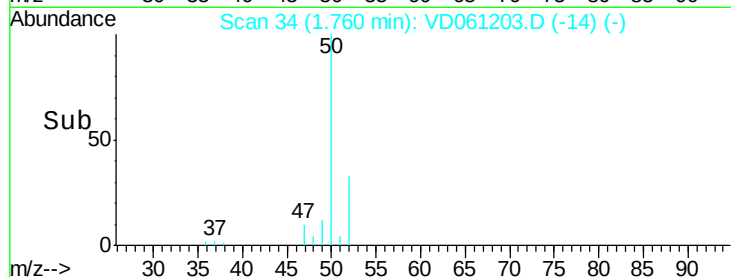
20000

10000

0

1.70 1.80 1.90 2.00

Time-->



#4

Vinyl Chloride

Concen: 21.381 ug/l

RT: 1.86 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061203.D

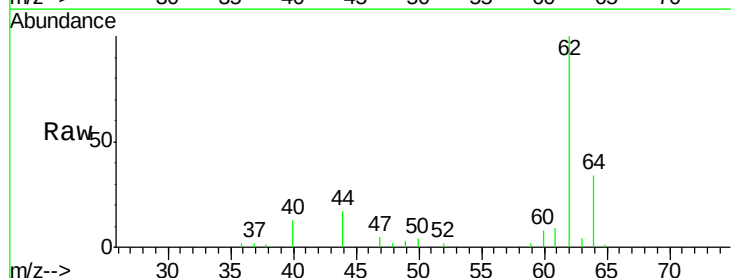
Acq: 20 Mar 2019 12:59

Tgt Ion: 62 Resp: 112539

Ion Ratio Lower Upper

62 100

64 34.2 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

60000

50000

40000

30000

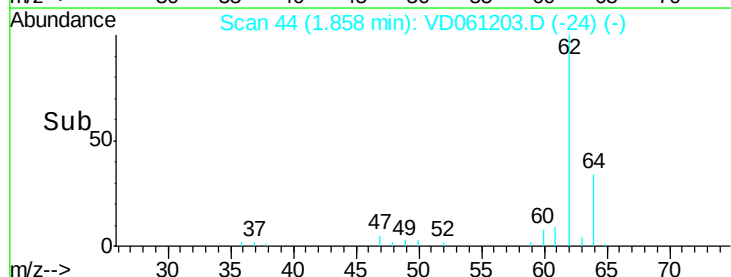
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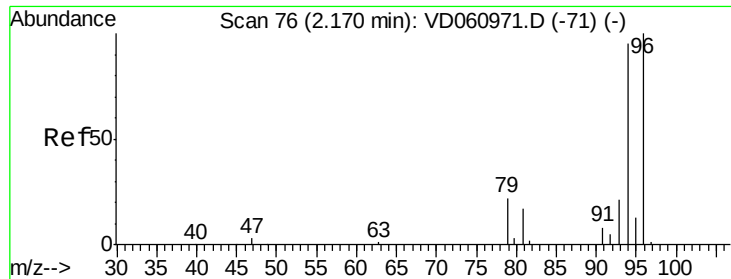
10000

0

1.80 1.90 2.00 2.10

Time-->



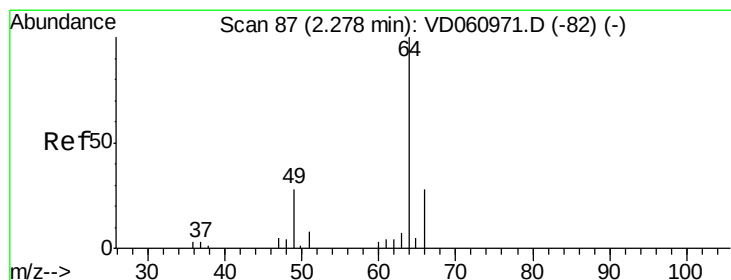
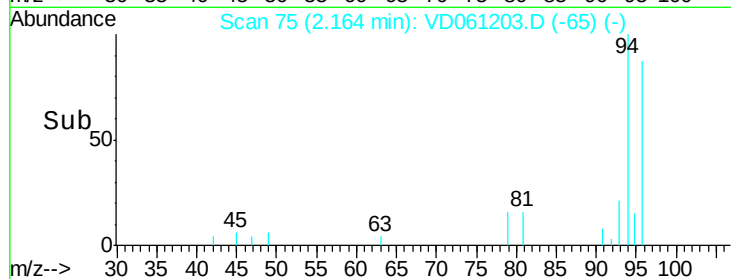
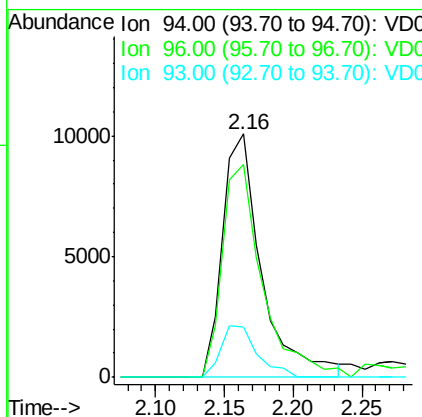
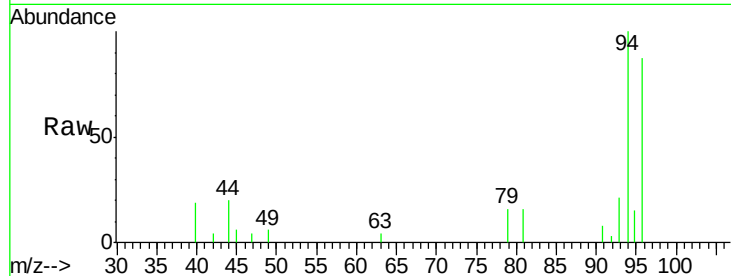


#5
 Bromomethane
 Concen: 18.585 ug/l
 RT: 2.16 min Scan# 75
 Delta R.T. -0.01 min
 Lab File: VD061203.D
 Acq: 20 Mar 2019 12:59

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion: 94 Resp: 19892

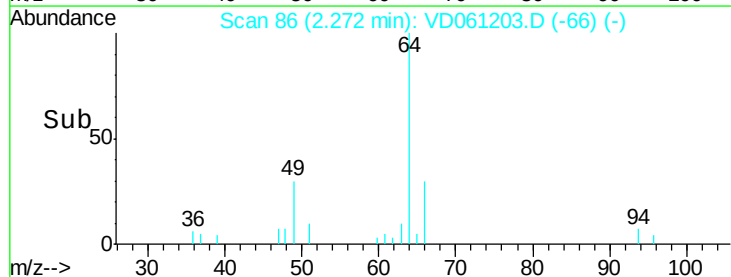
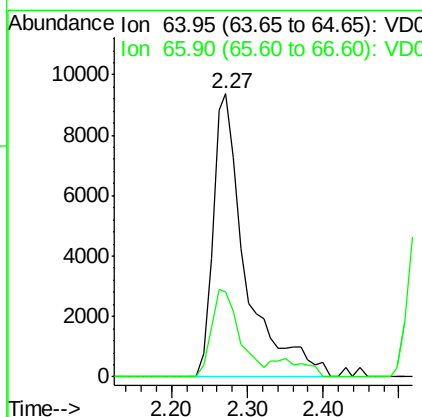
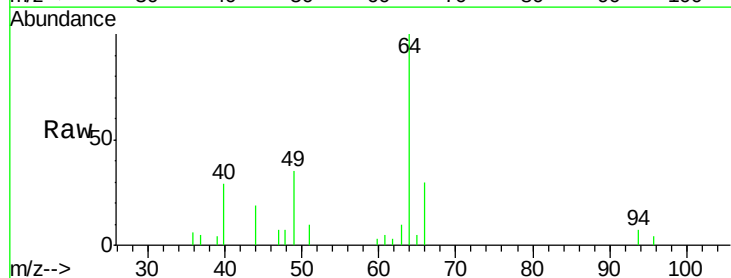
Ion	Ratio	Lower	Upper
94	100		
96	87.2	84.0	126.0
93	20.7	17.3	25.9

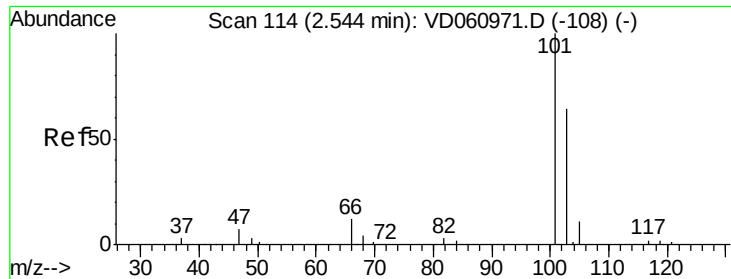


#6
 Chloroethane
 Concen: 17.821 ug/l
 RT: 2.27 min Scan# 86
 Delta R.T. -0.01 min
 Lab File: VD061203.D
 Acq: 20 Mar 2019 12:59

Tgt Ion: 64 Resp: 28077

Ion	Ratio	Lower	Upper
64	100		
66	30.1	22.2	33.2



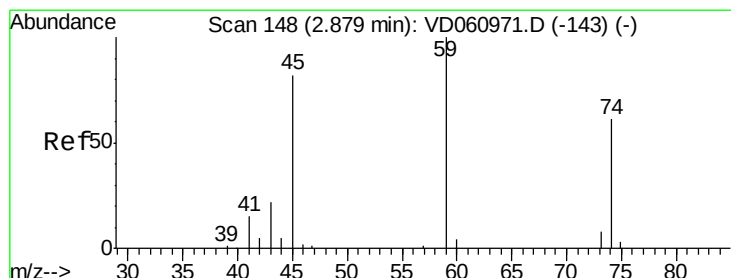
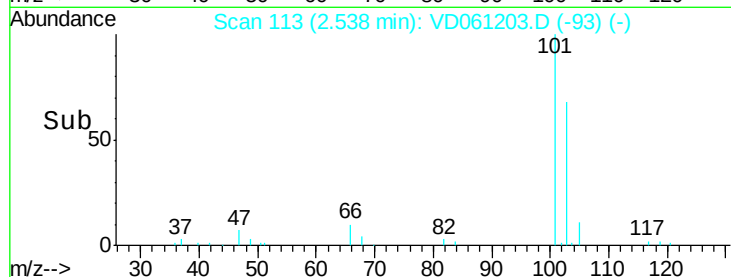
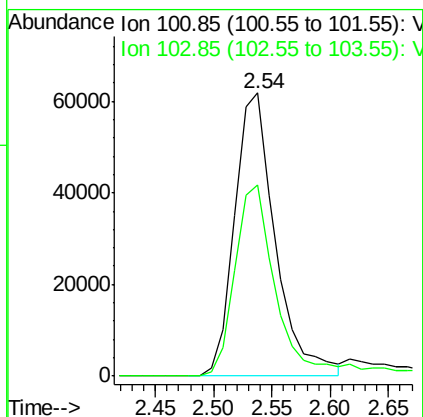
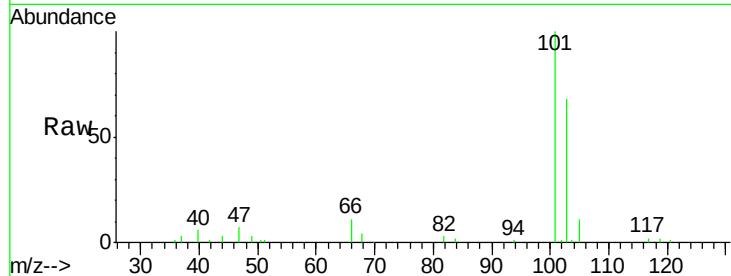


#7

Trichlorofluoromethane
 Concen: 19.751 ug/l
 RT: 2.54 min Scan# 113
 Delta R.T. -0.01 min
 Lab File: VD061203.D
 Acq: 20 Mar 2019 12:59

Instrument :
 MSVOA_D
 ClientSampleId :

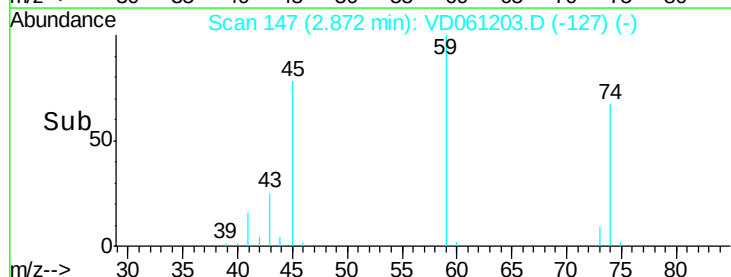
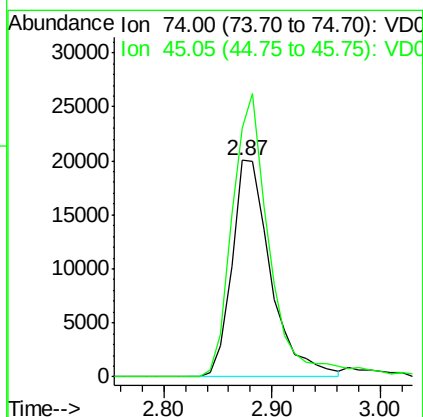
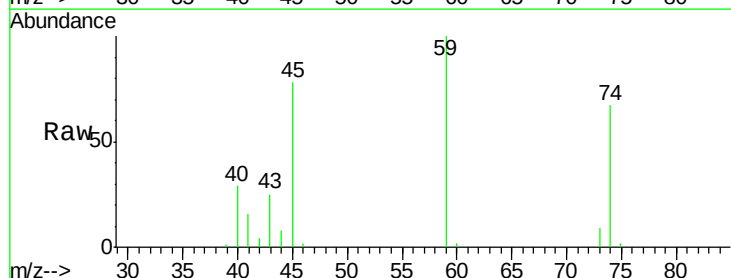
Tot Ion:101 Resp: 149339
 Ion Ratio Lower Upper
 101 100
 103 67.8 51.2 76.8

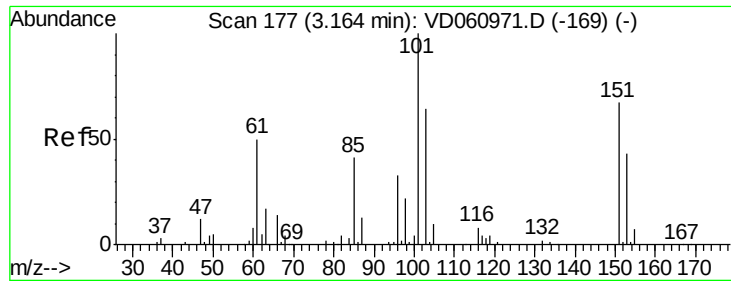


#8

Diethyl Ether
 Concen: 20.119 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD061203.D
 Acq: 20 Mar 2019 12:59

Tgt Ion: 74 Resp: 50185
 Ion Ratio Lower Upper
 74 100
 45 115.3 67.0 201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.477 ug/l

RT: 3.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

Instrument :

MSVOA_D

ClientSampleId :

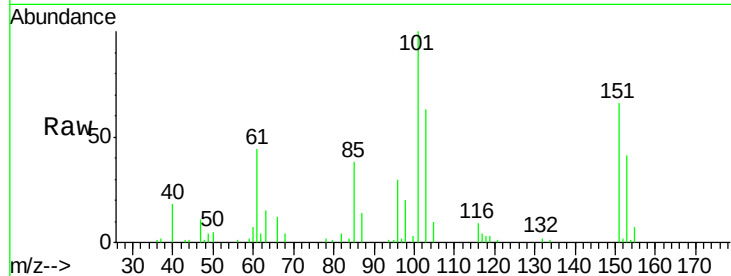
Tot Ion:101 Resp: 181559

Ion Ratio Lower Upper

101 100

85 38.5 32.5 48.7

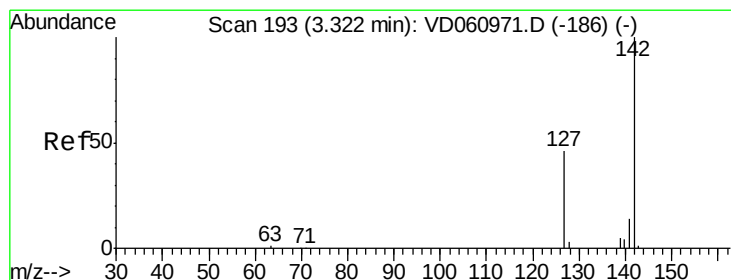
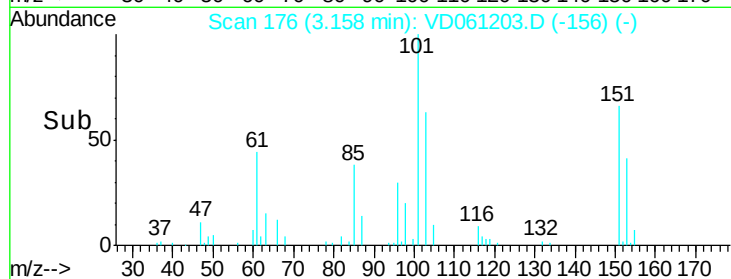
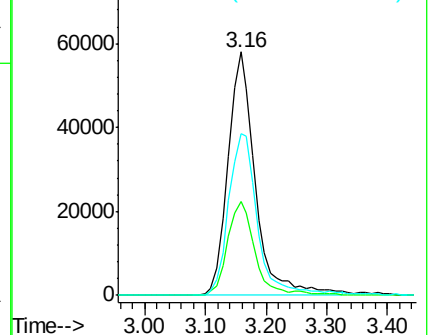
151 66.5 53.3 79.9



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 21.782 ug/l

RT: 3.32 min Scan# 192

Delta R.T. -0.01 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

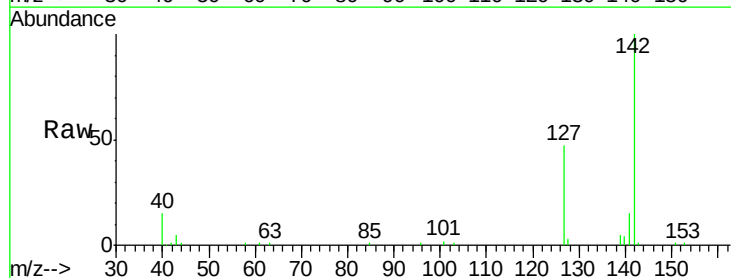
Tgt Ion:142 Resp: 233101

Ion Ratio Lower Upper

142 100

127 46.8 36.8 55.2

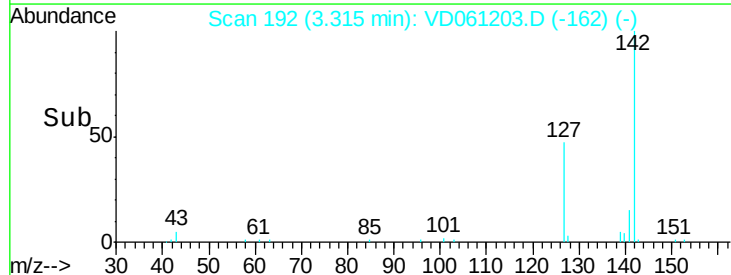
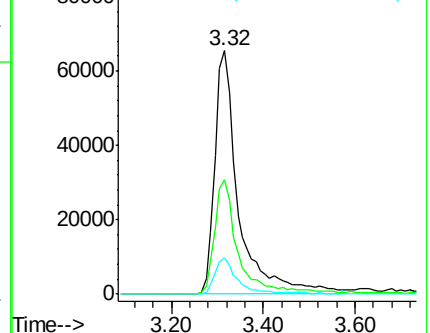
141 14.9 11.2 16.8

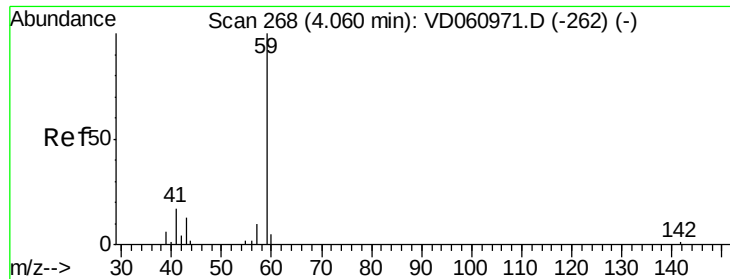


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

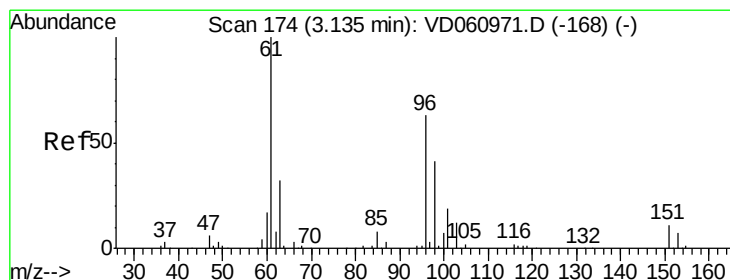
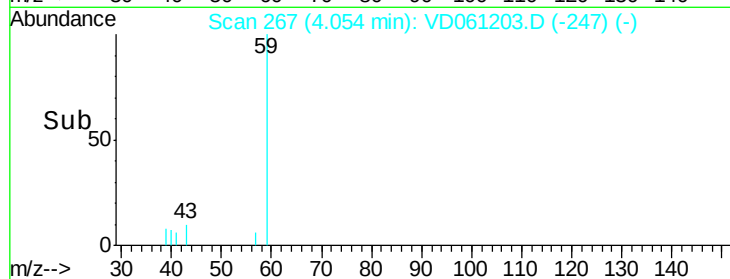
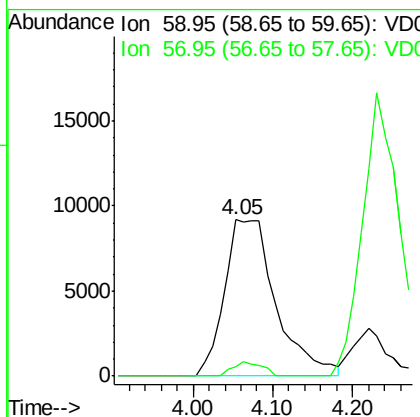
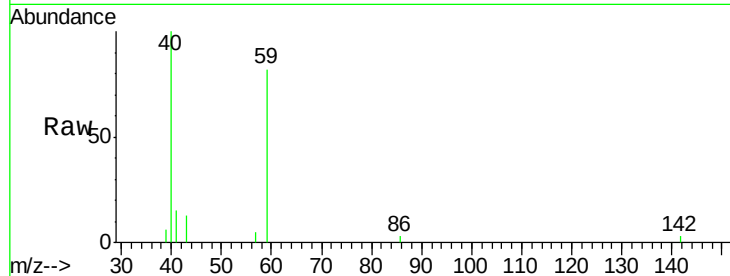




#11
Tert butyl alcohol
Concen: 112.776 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.01 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

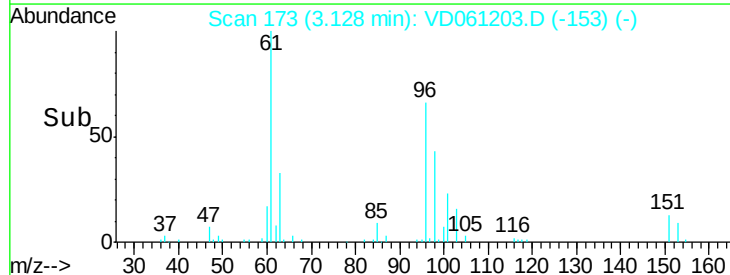
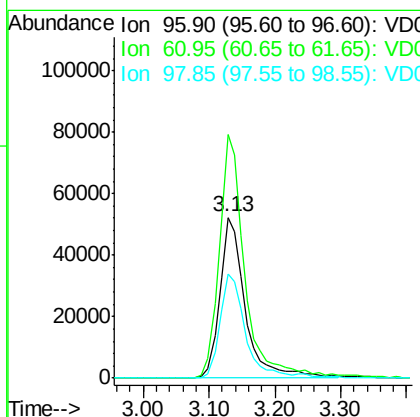
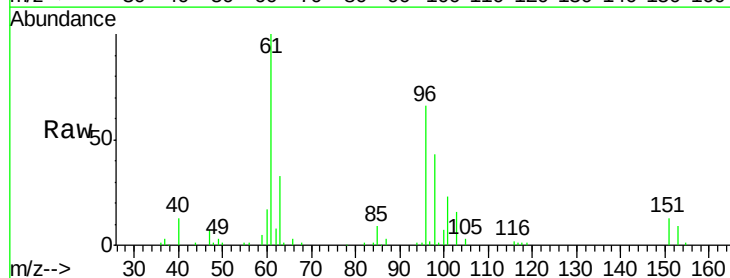
Instrument :
MSVOA_D
ClientSampleId :

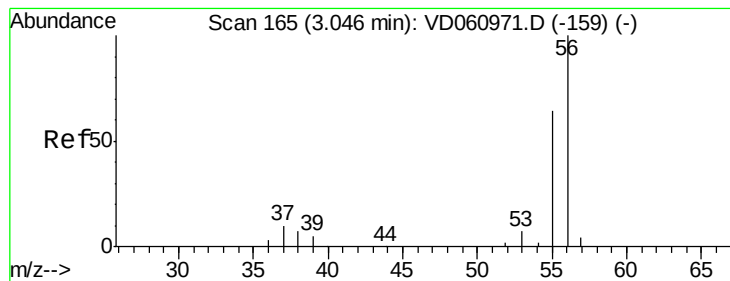
Tot Ion: 59 Resp: 41254
Ion Ratio Lower Upper
59 100
57 5.7 7.1 10.7#



#12
1,1-Dichloroethene
Concen: 20.304 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

Tgt Ion: 96 Resp: 140694
Ion Ratio Lower Upper
96 100
61 151.5 127.1 190.7
98 64.9 51.5 77.3





#13

Acrolein

Concen: 71.878 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

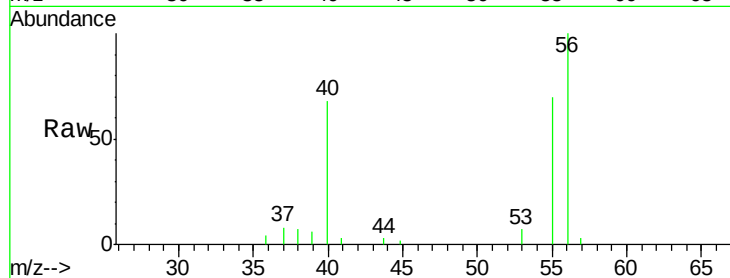
Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 38044

Ion Ratio Lower Upper

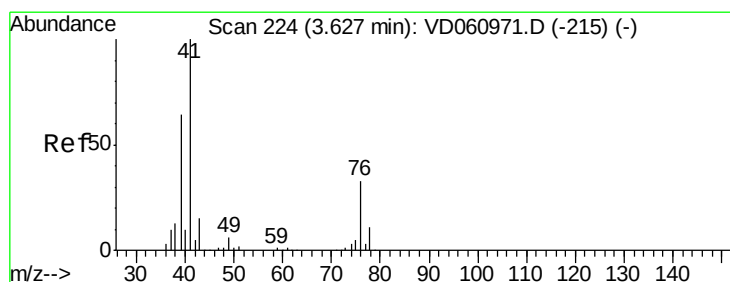
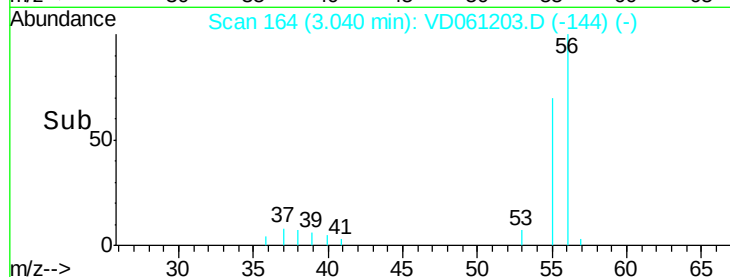
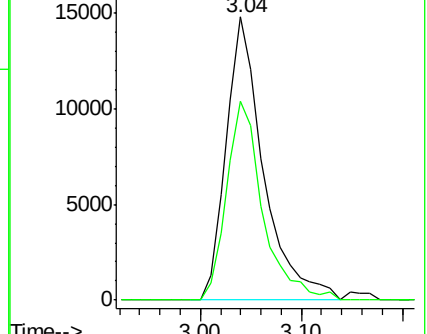
56 100

55 70.2 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.860 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

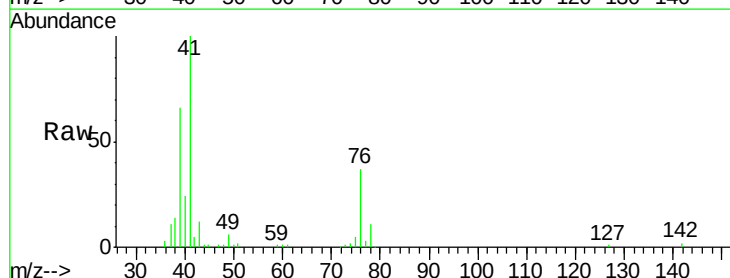
Tgt Ion: 41 Resp: 231276

Ion Ratio Lower Upper

41 100

39 66.0 51.1 76.7

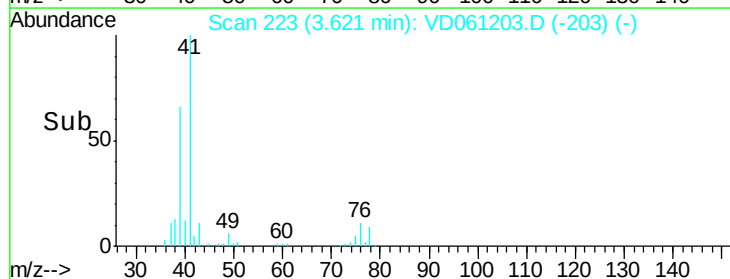
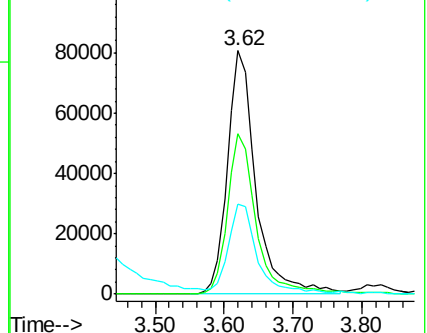
76 37.0 29.1 43.7

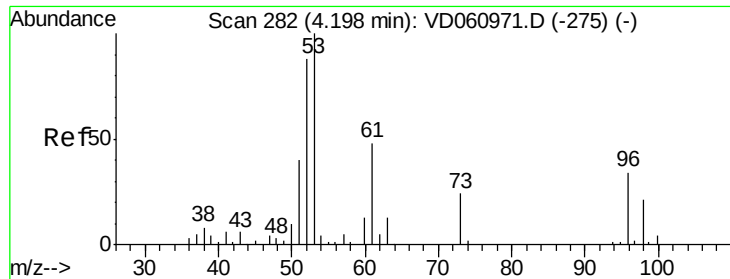


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 107.123 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

Instrument :

MSVOA_D

ClientSampleId :

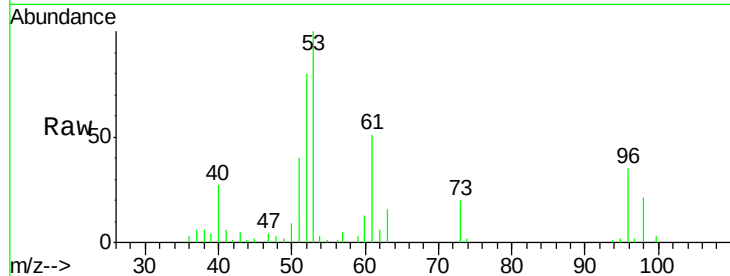
Tot Ion: 53 Resp: 138495

Ion Ratio Lower Upper

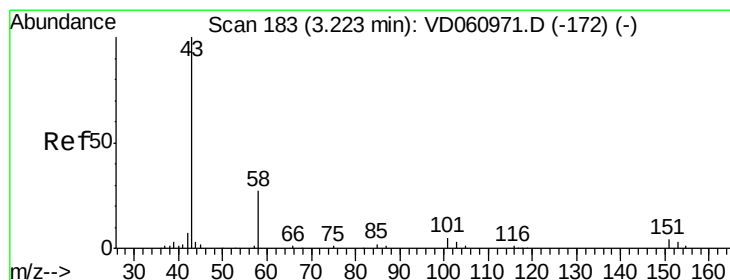
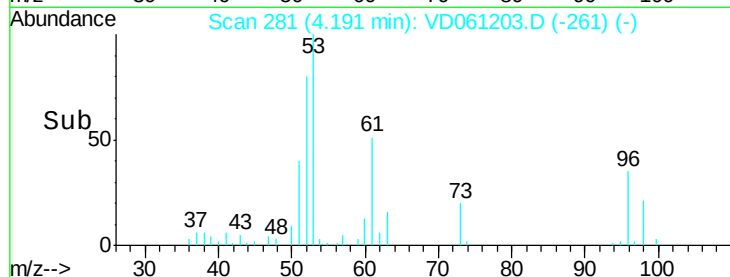
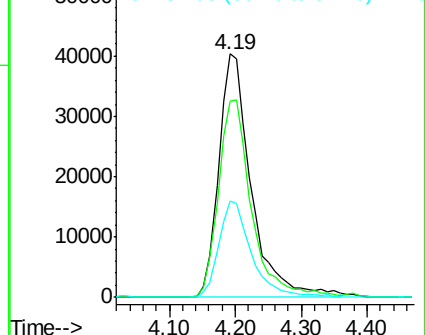
53 100

52 80.5 70.2 105.4

51 39.5 31.7 47.5



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: 113.165 ug/l

RT: 3.23 min Scan# 183

Delta R.T. 0.00 min

Lab File: VD061203.D

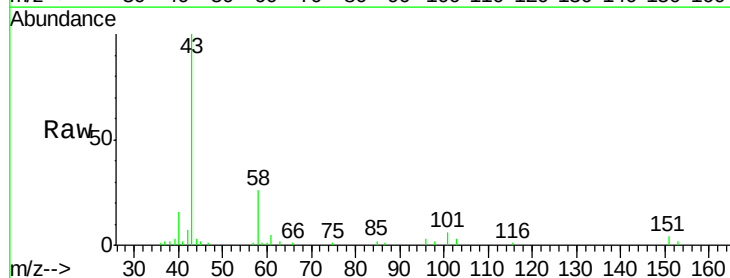
Acq: 20 Mar 2019 12:59

Tgt Ion: 43 Resp: 185945

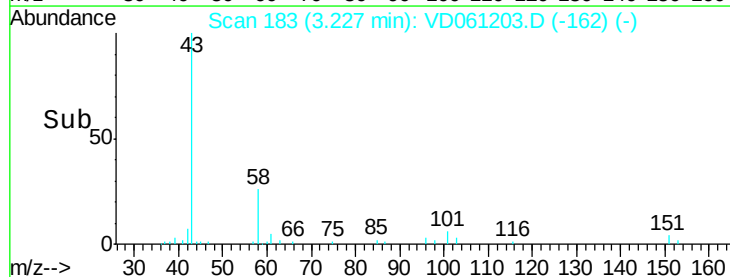
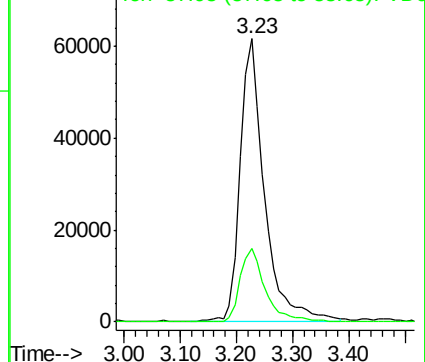
Ion Ratio Lower Upper

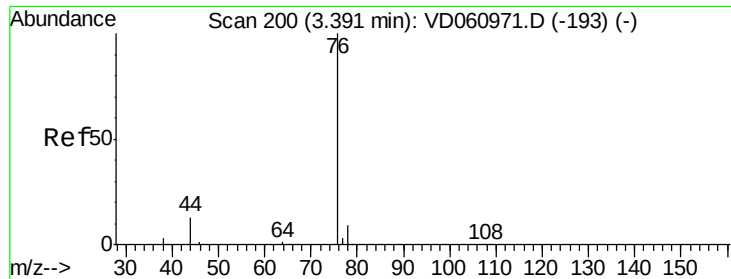
43 100

58 26.2 21.6 32.4



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

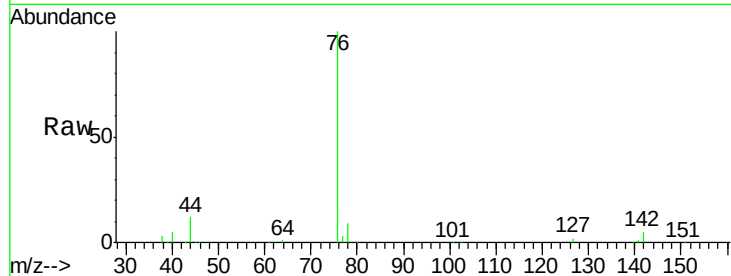




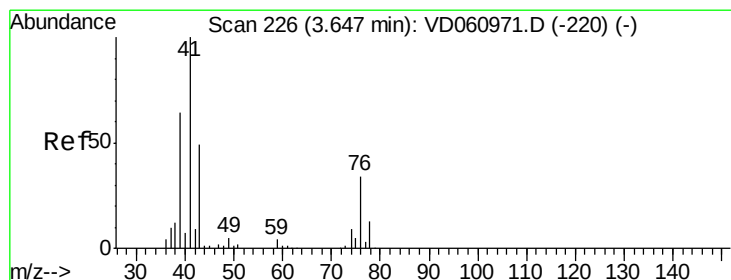
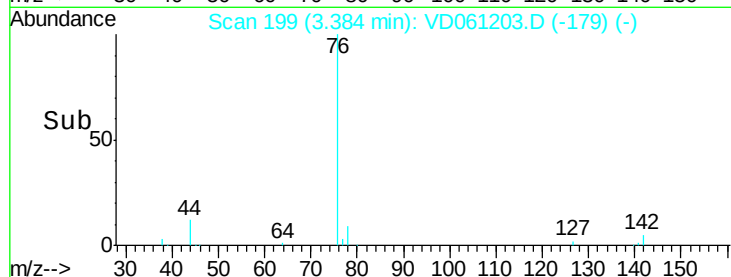
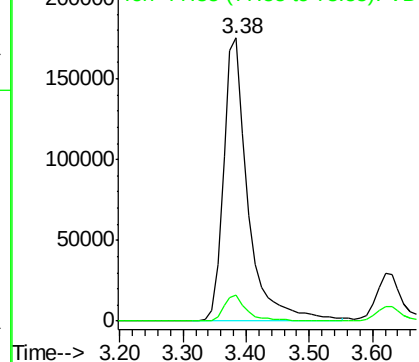
#17
Carbon Disulfide
Concen: 20.307 ug/l
RT: 3.38 min Scan# 199
Delta R.T. -0.01 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 76 Resp: 474673
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.2

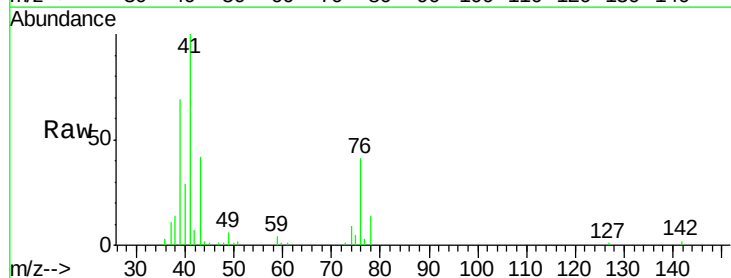


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

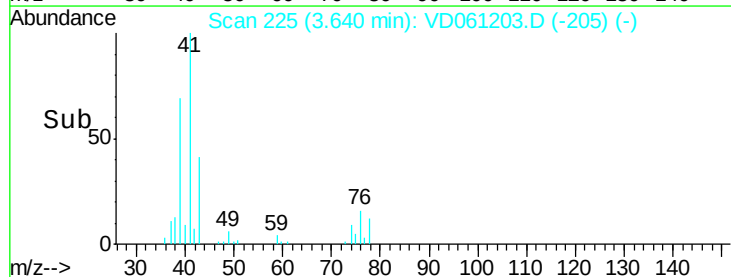
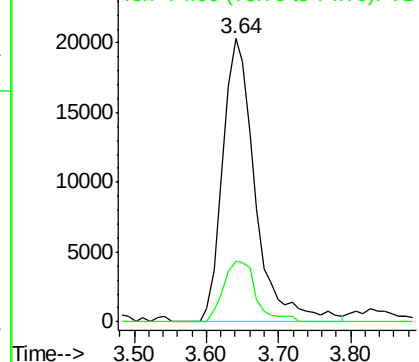


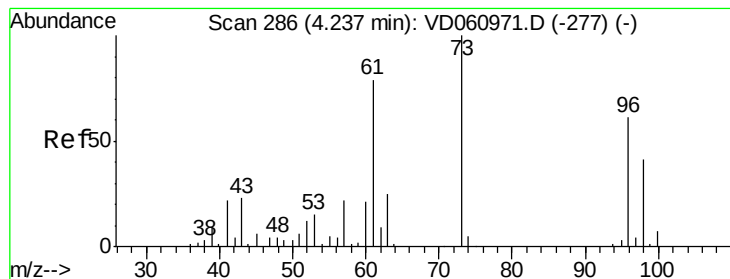
#18
Methyl Acetate
Concen: 19.643 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.01 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

Tgt Ion: 43 Resp: 63520
Ion Ratio Lower Upper
43 100
74 21.2 14.6 21.8



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 74.00 (73.70 to 74.70): VDC



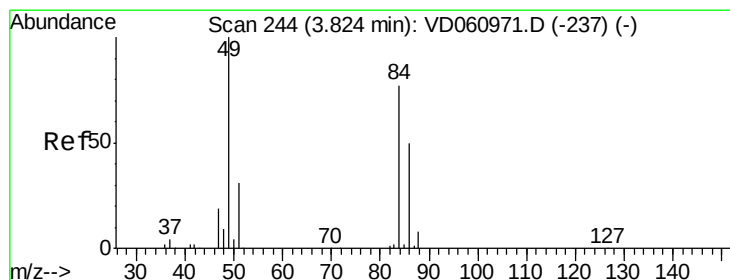
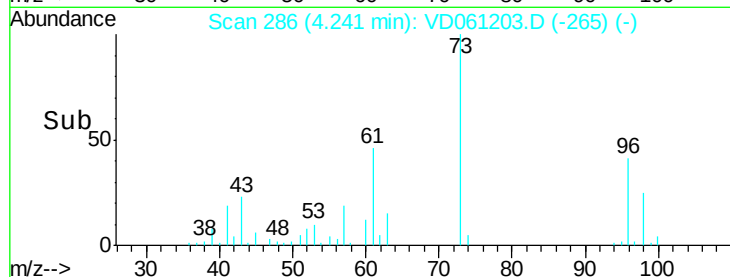
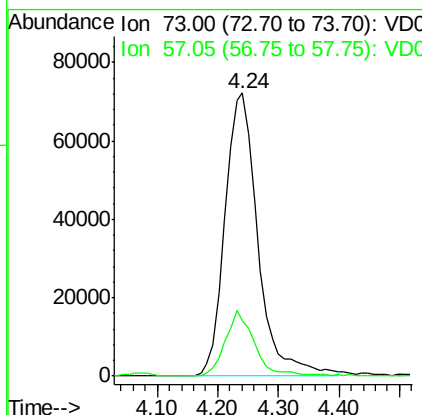
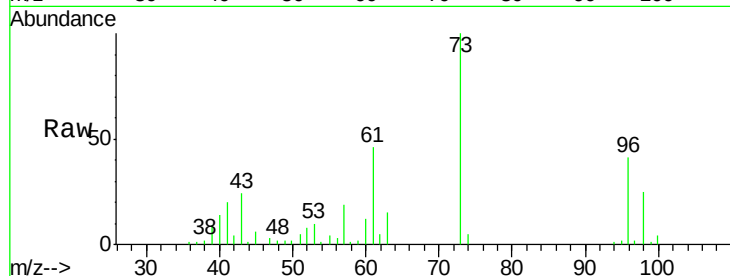


#19

Methyl tert-butyl Ether
 Concen: 22.517 ug/l
 RT: 4.24 min Scan# 286
 Delta R.T. 0.00 min
 Lab File: VD061203.D
 Acq: 20 Mar 2019 12:59

Instrument :
 MSVOA_D
 ClientSampleID :

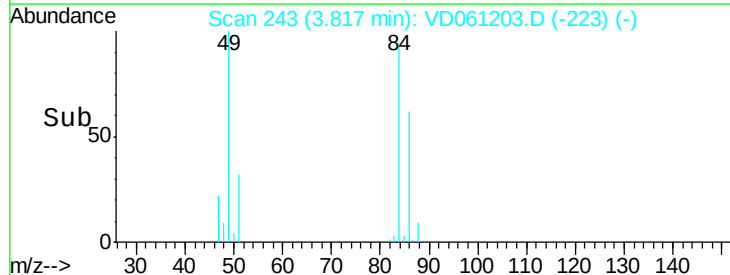
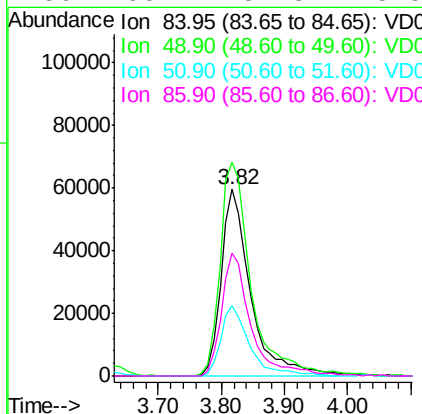
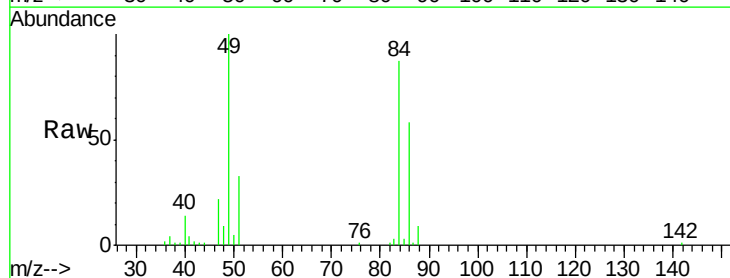
Tot Ion: 73 Resp: 273440
 Ion Ratio Lower Upper
 73 100
 57 19.4 17.7 26.5

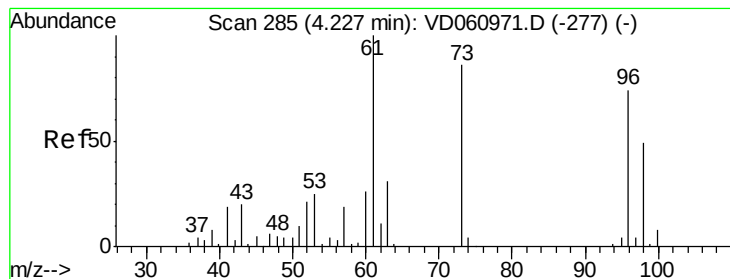


#20

Methylene Chloride
 Concen: 23.371 ug/l
 RT: 3.82 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VD061203.D
 Acq: 20 Mar 2019 12:59

Tgt Ion: 84 Resp: 193705
 Ion Ratio Lower Upper
 84 100
 49 114.5 104.2 156.2
 51 37.5 32.3 48.5
 86 66.2 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.849 ug/l

RT: 4.22 min Scan# 284

Delta R.T. -0.01 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

Instrument :

MSVOA_D

ClientSampled :

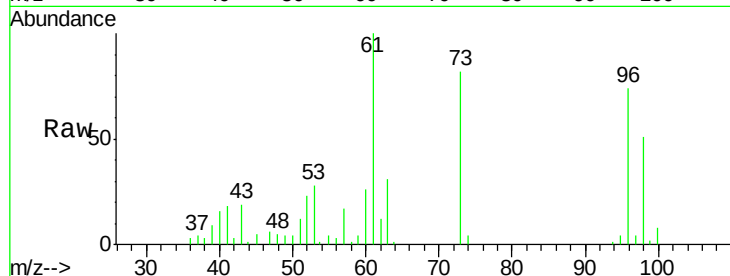
Tot Ion: 96 Resp: 163867

Ion Ratio Lower Upper

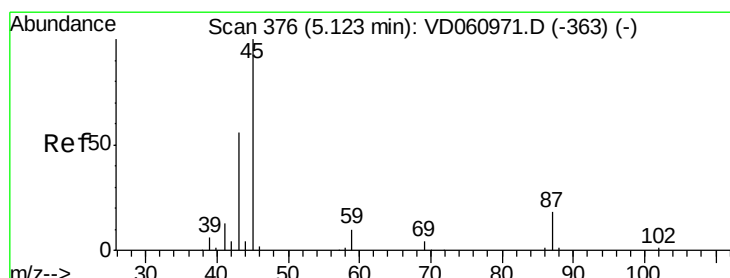
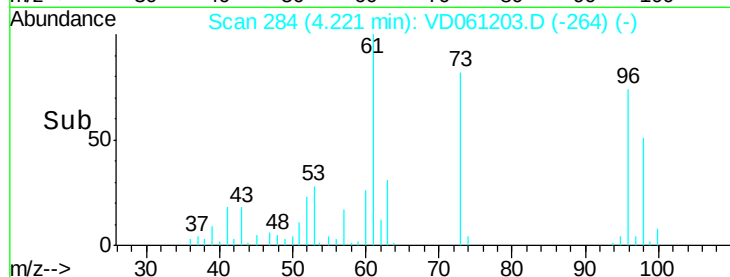
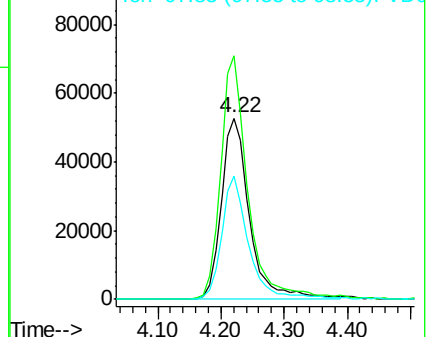
96 100

61 134.5 108.4 162.6

98 68.3 53.0 79.4



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: 20.795 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.01 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

Tgt Ion: 45 Resp: 478606

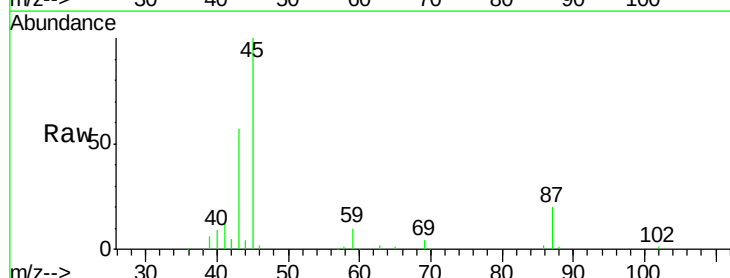
Ion Ratio Lower Upper

45 100

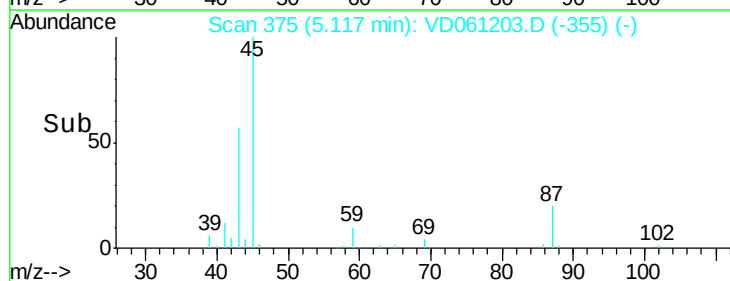
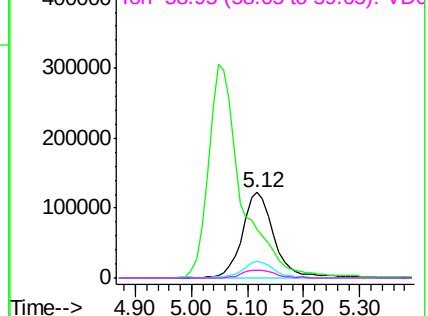
43 57.0 45.8 68.8

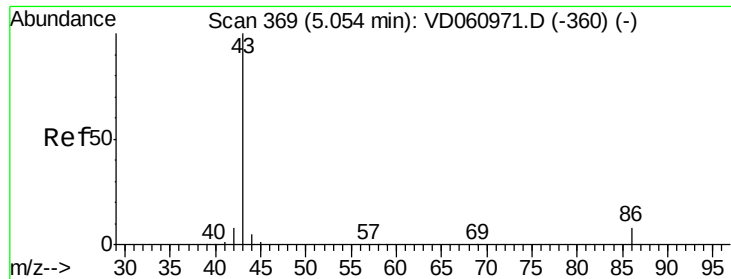
87 19.8 14.9 22.3

59 9.7 8.0 12.0



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





#23

Vinyl Acetate

Concen: 105.361 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

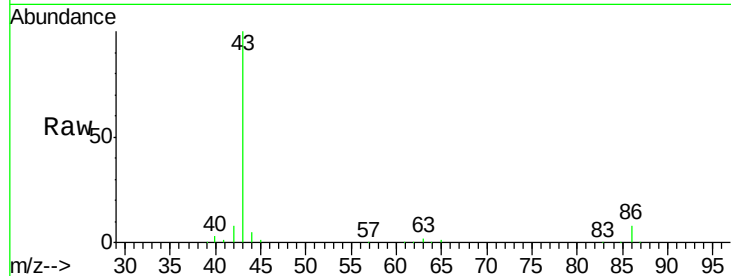
Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 1244811

Ion Ratio Lower Upper

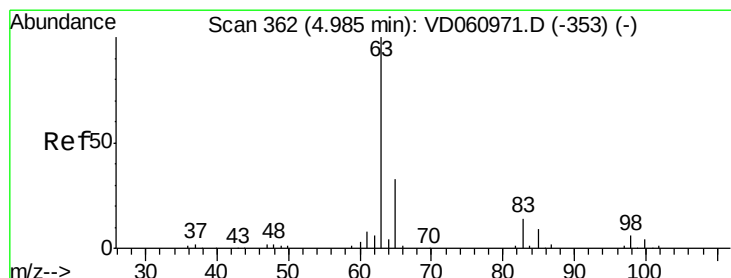
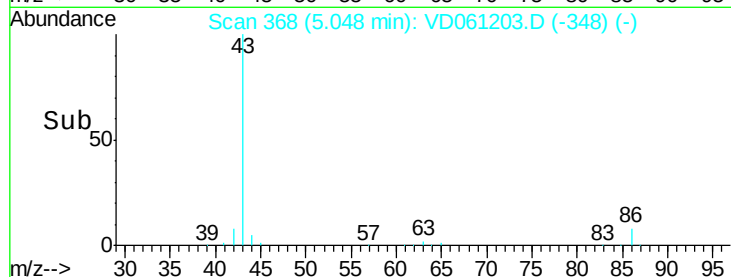
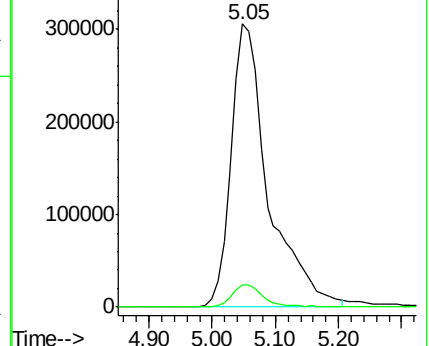
43 100

86 7.8 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.193 ug/l

RT: 4.99 min Scan# 362

Delta R.T. 0.00 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

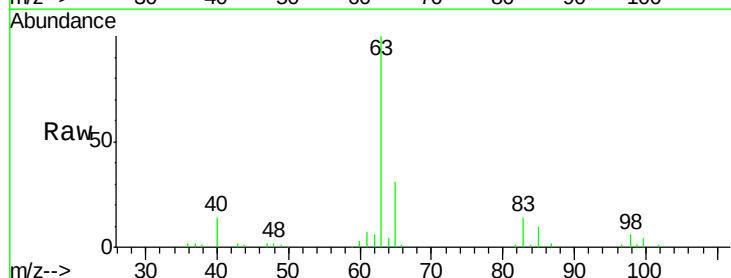
Tgt Ion: 63 Resp: 267248

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

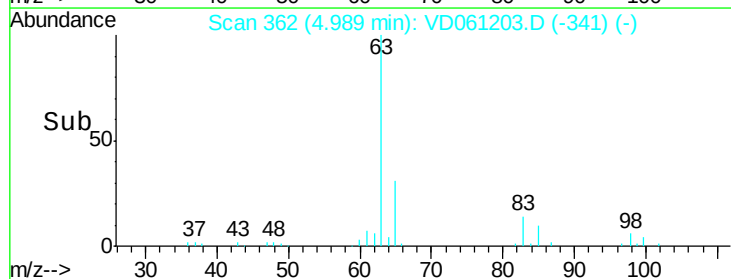
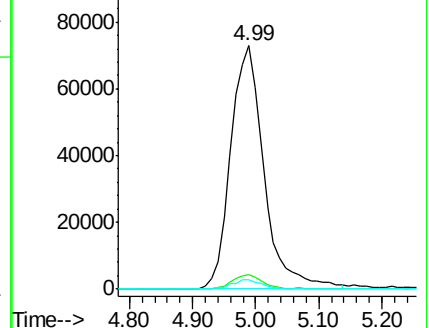
100 4.0 2.0 5.8

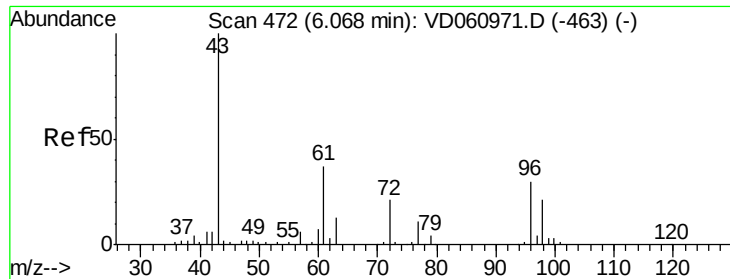


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 108.465 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

Instrument :

MSVOA_D

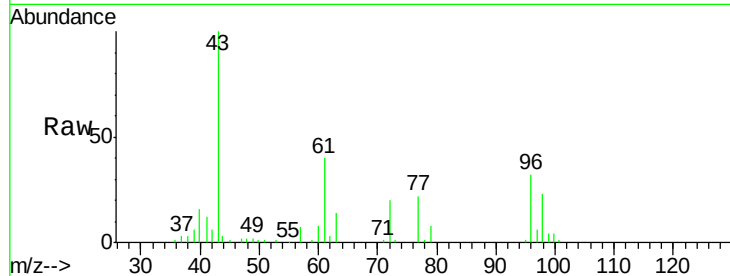
ClientSampleId :

Tot Ion: 43 Resp: 202233

Ion Ratio Lower Upper

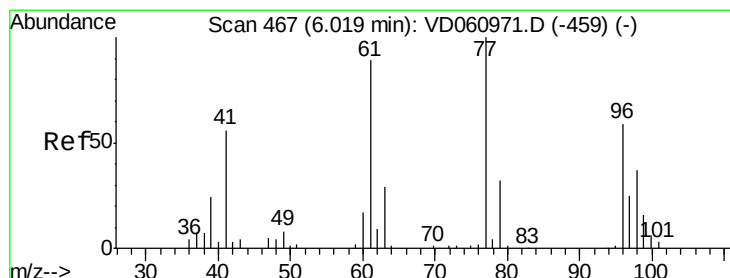
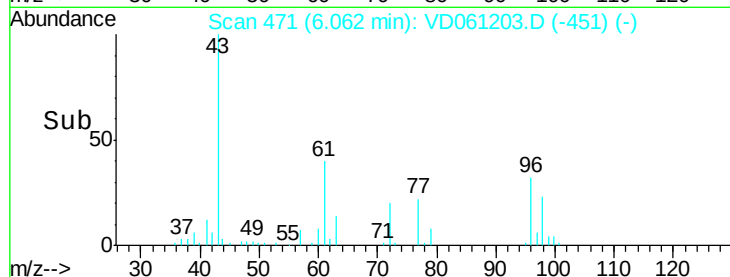
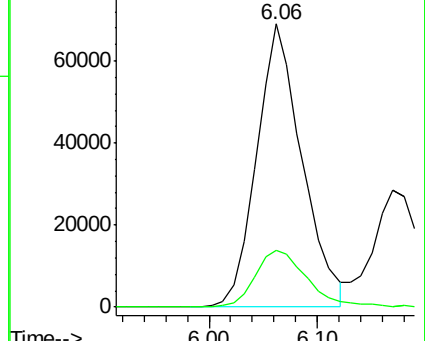
43 100

72 19.9 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 22.136 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.00 min

Lab File: VD061203.D

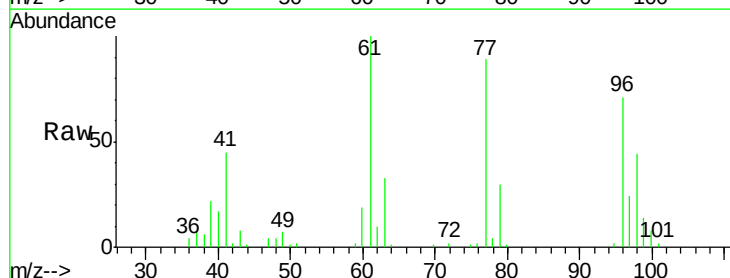
Acq: 20 Mar 2019 12:59

Tgt Ion: 77 Resp: 217910

Ion Ratio Lower Upper

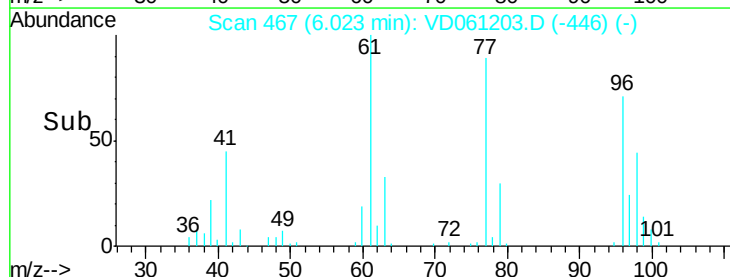
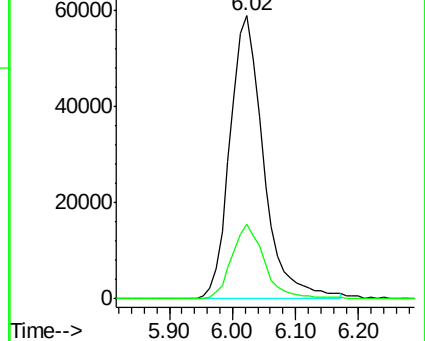
77 100

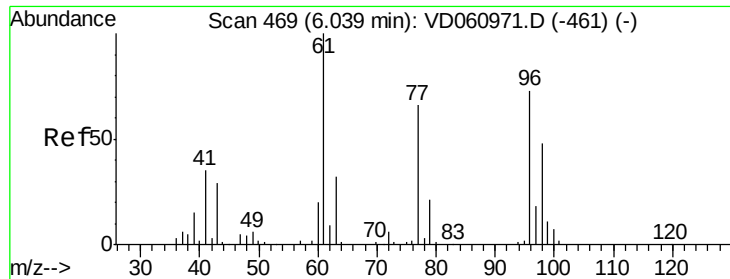
97 26.4 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



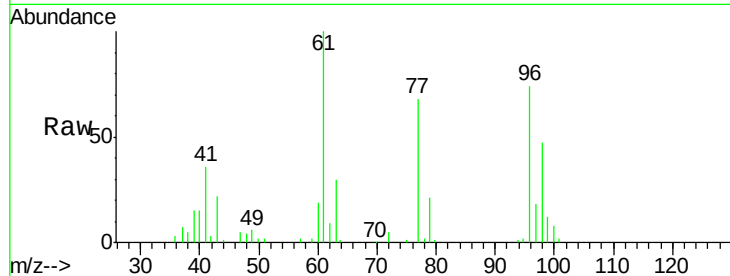


#27

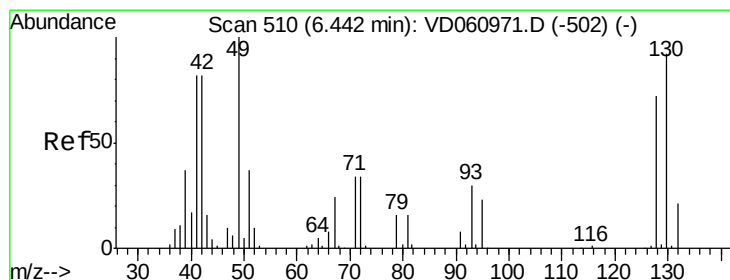
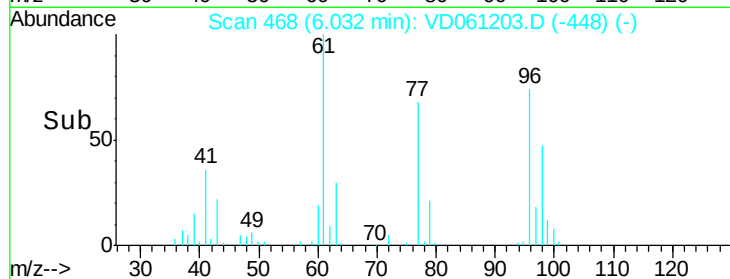
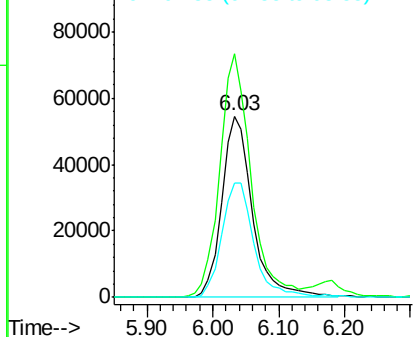
cis-1,2-Dichloroethene
Concen: 22.292 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.01 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 96 Resp: 177384
Ion Ratio Lower Upper
96 100
61 134.5 0.0 273.6
98 63.4 0.0 132.6



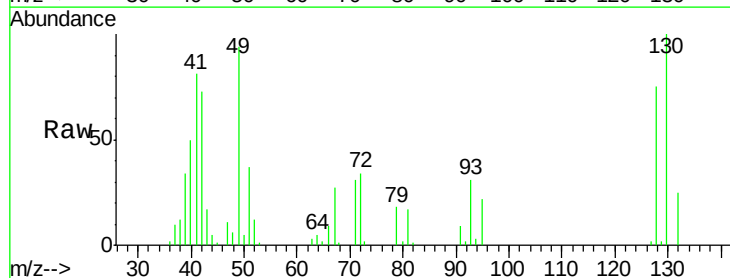
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



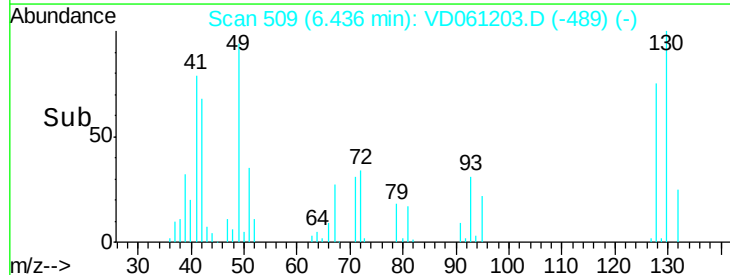
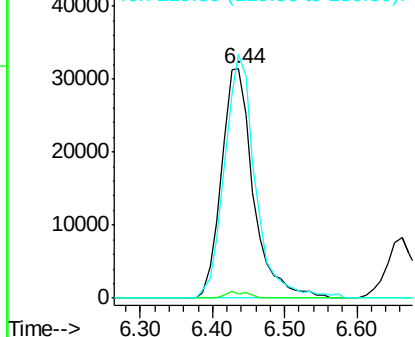
#28

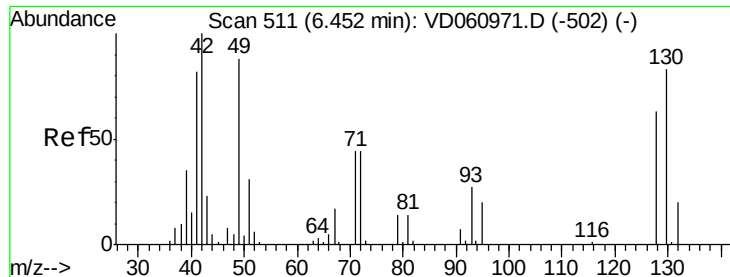
Bromochloromethane
Concen: 18.043 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

Tgt Ion: 49 Resp: 96318
Ion Ratio Lower Upper
49 100
129 2.0 0.0 4.0
130 106.2 73.8 110.8



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

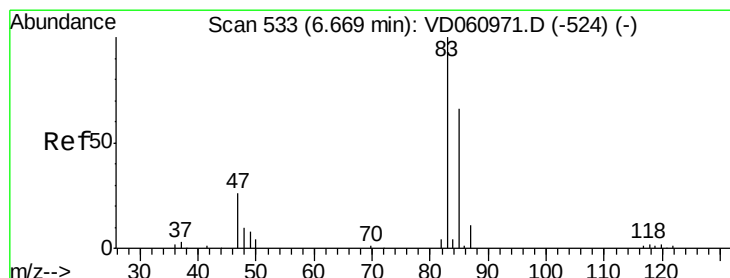
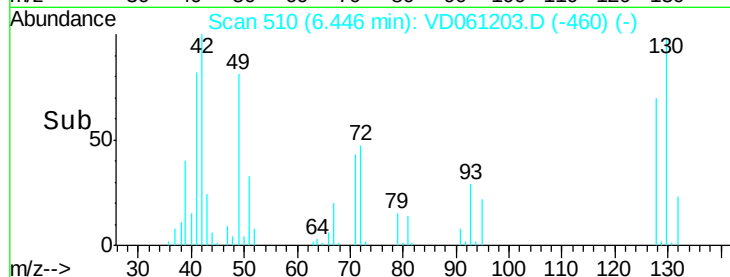
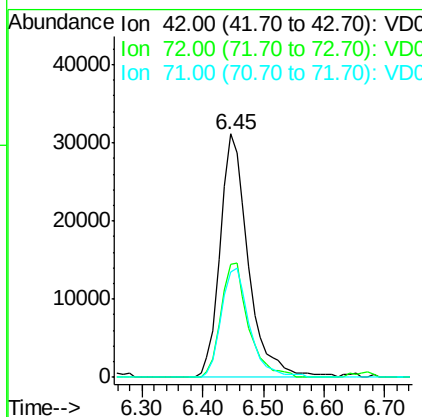
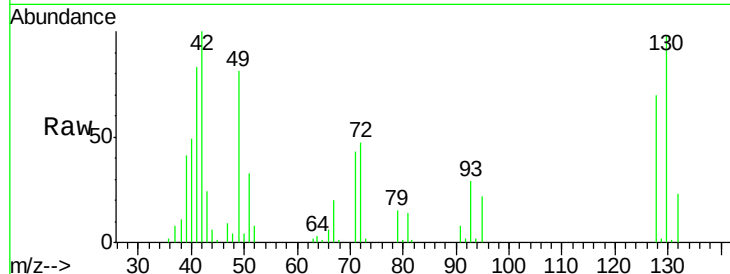




#29
Tetrahydrofuran
Concen: 99.666 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.01 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

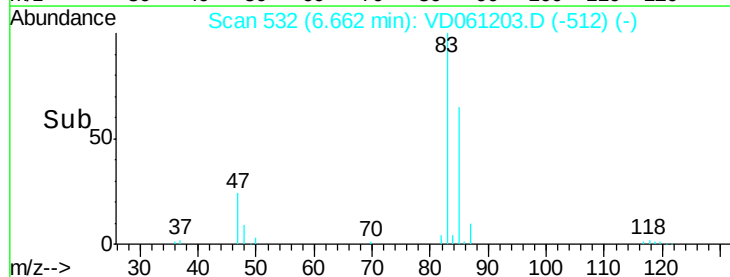
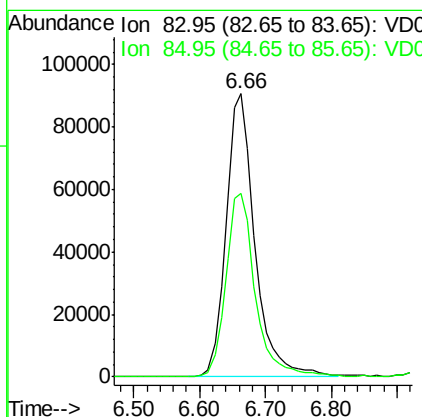
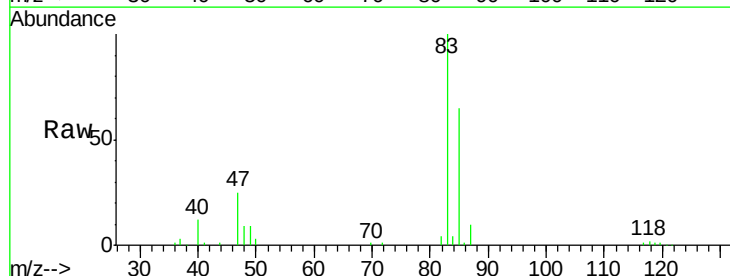
Instrument :
MSVOA_D
ClientSampleId :

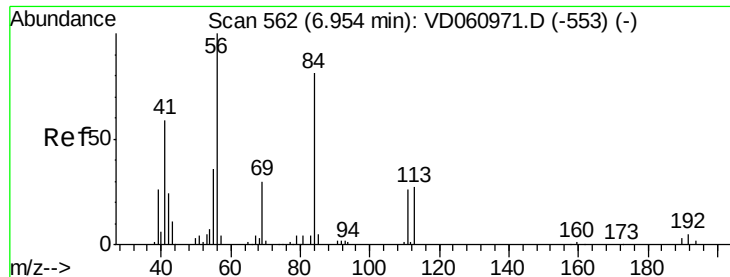
Tot Ion: 42 Resp: 100904
Ion Ratio Lower Upper
42 100
72 45.8 34.5 51.7
71 44.6 33.8 50.6



#30
Chloroform
Concen: 21.200 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.01 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

Tgt Ion: 83 Resp: 277066
Ion Ratio Lower Upper
83 100
85 65.1 53.0 79.4

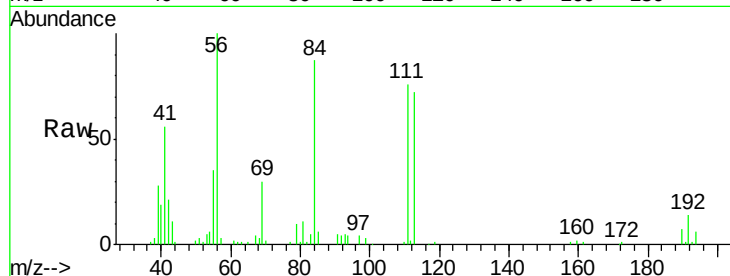




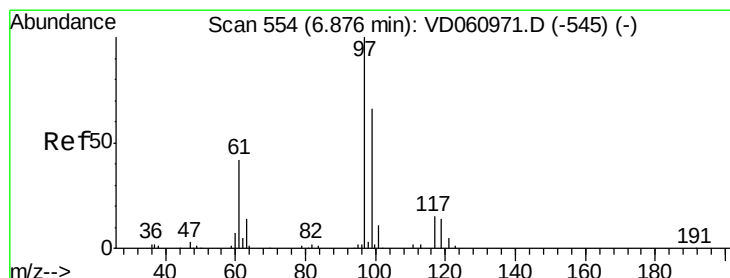
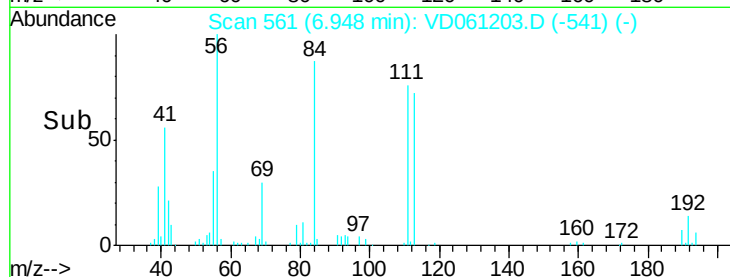
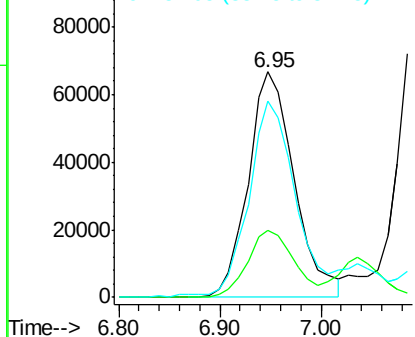
#31
Cyclohexane
Concen: 20.861 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 56 Resp: 212114
Ion Ratio Lower Upper
56 100
69 30.0 24.0 36.0
84 87.2 65.8 98.6

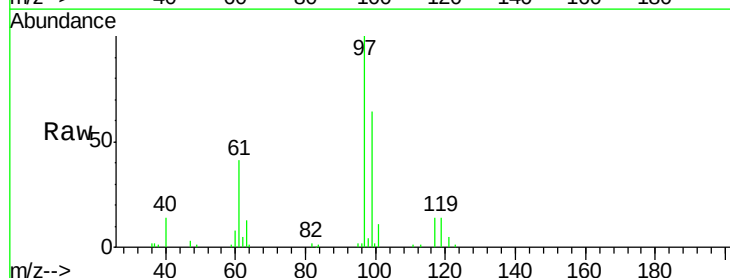


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

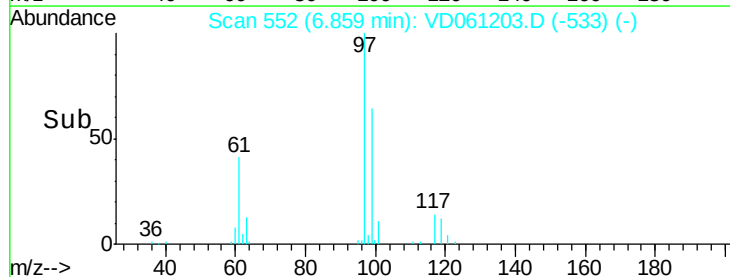
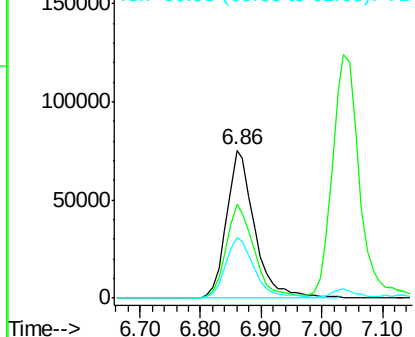


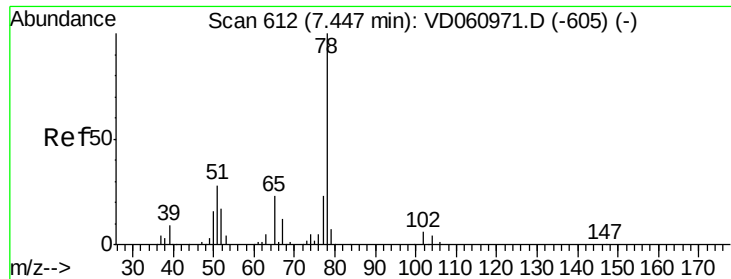
#32
1,1,1-Trichloroethane
Concen: 21.393 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.02 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

Tgt Ion: 97 Resp: 241716
Ion Ratio Lower Upper
97 100
99 63.5 53.2 79.8
61 40.8 33.8 50.8



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

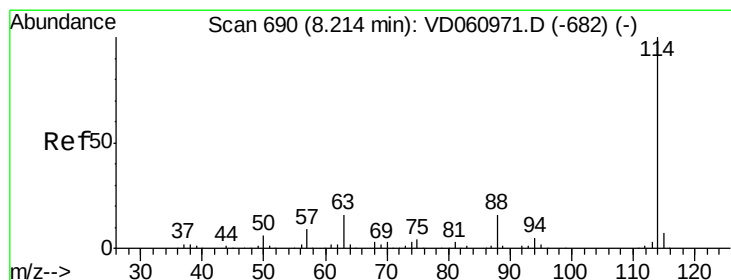
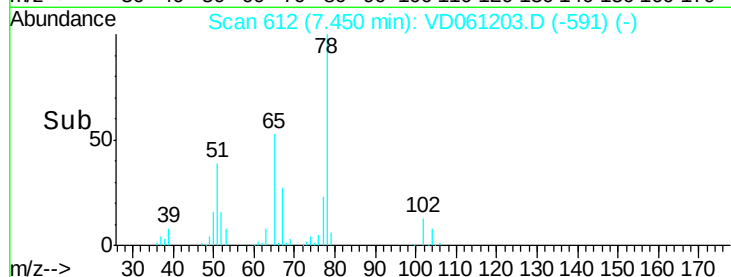
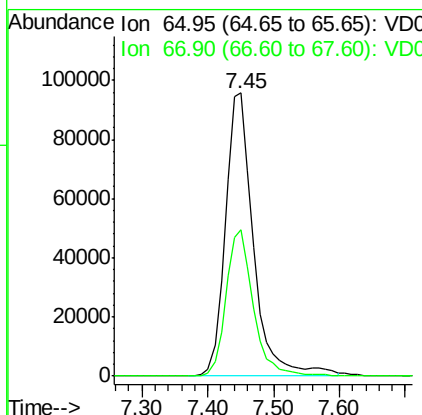
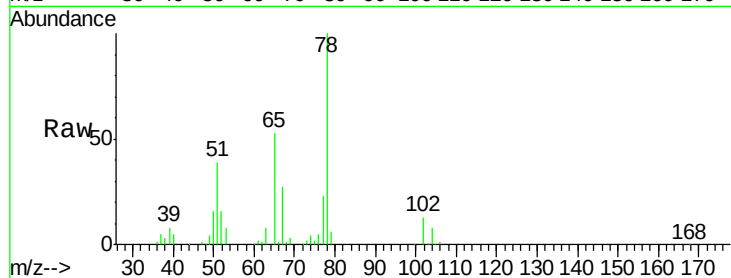




#33
 1,2-Dichloroethane-d4
 Concen: 21.393 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.00 min
 Lab File: VD061203.D
 Acq: 20 Mar 2019 12:59

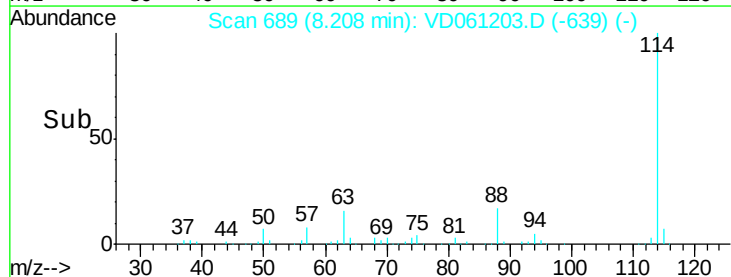
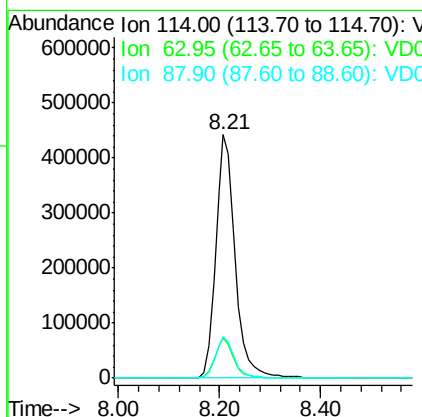
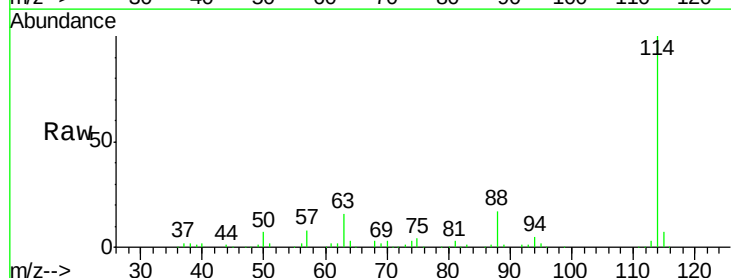
Instrument :
 MSVOA_D
 ClientSampleId :

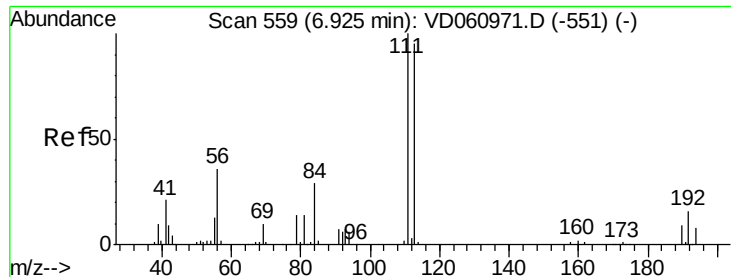
Tot Ion: 65 Resp: 285796
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061203.D
 Acq: 20 Mar 2019 12:59

Tgt Ion: 114 Resp: 1191555
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 31.4
 88 16.8 0.0 33.0

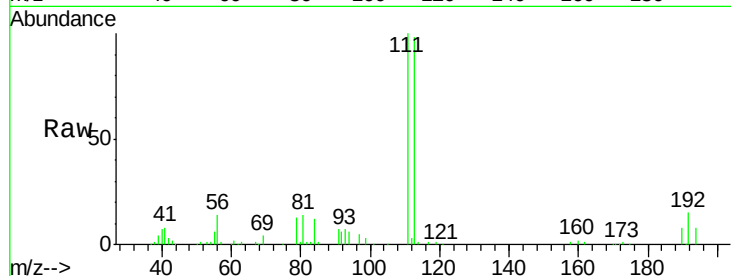




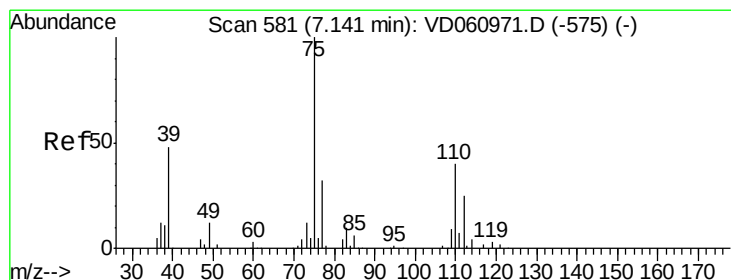
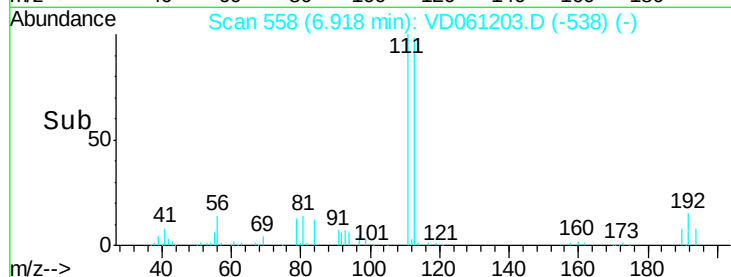
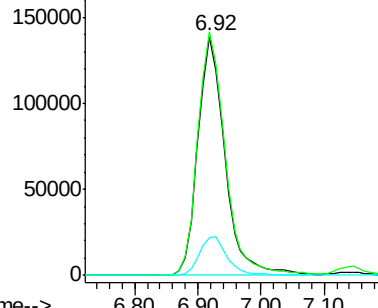
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.92 min Scan# 558
 Delta R.T. -0.01 min
 Lab File: VD061203.D
 Acq: 20 Mar 2019 12:59

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:113 Resp: 414777
 Ion Ratio Lower Upper
 113 100
 111 102.1 84.2 126.4
 192 15.7 13.1 19.7

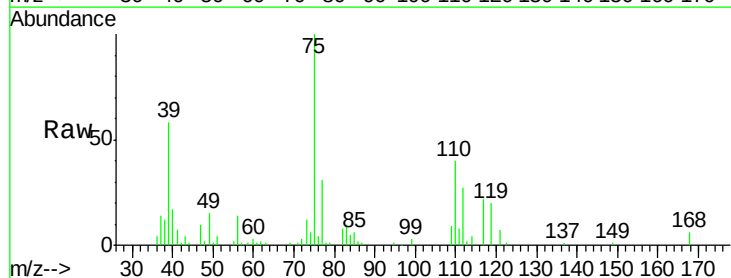


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

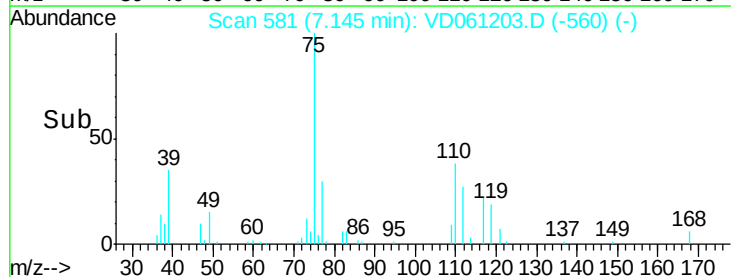
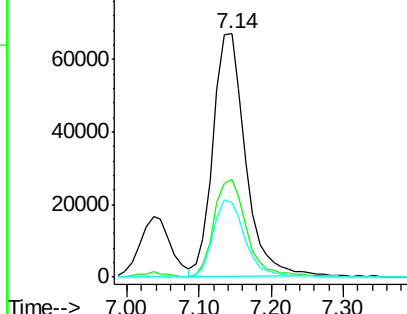


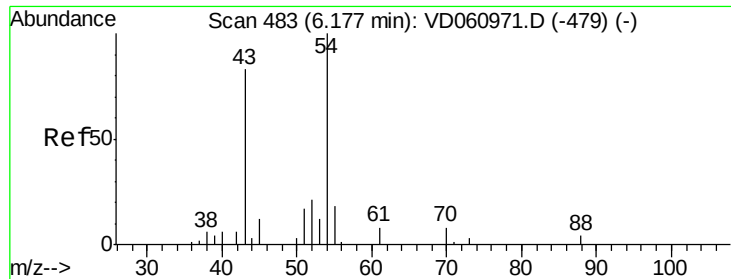
#36
 1,1-Dichloropropene
 Concen: 20.119 ug/l
 RT: 7.14 min Scan# 581
 Delta R.T. 0.00 min
 Lab File: VD061203.D
 Acq: 20 Mar 2019 12:59

Tgt Ion: 75 Resp: 206639
 Ion Ratio Lower Upper
 75 100
 110 40.2 19.7 59.1
 77 30.8 24.7 37.1



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

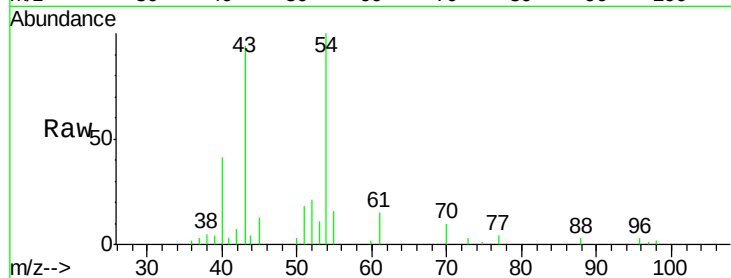




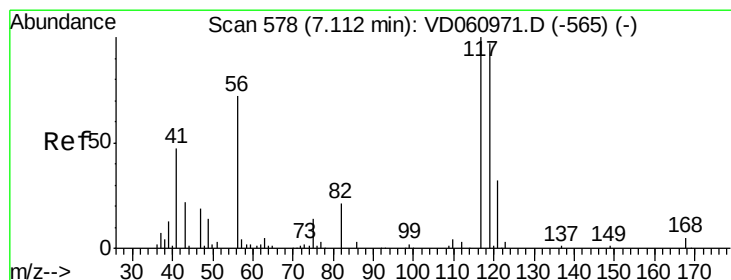
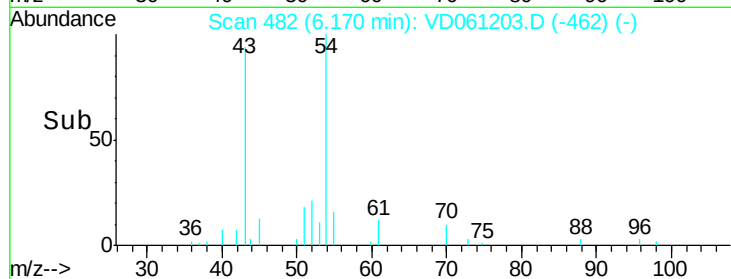
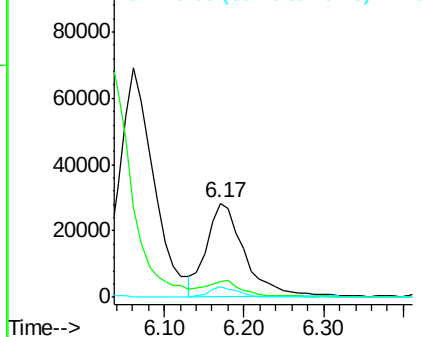
#37
Ethyl Acetate
Concen: 19.248 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion: 43 Resp: 92771
Ion Ratio Lower Upper
43 100
61 16.5 13.7 20.5
70 10.9 7.1 10.7#

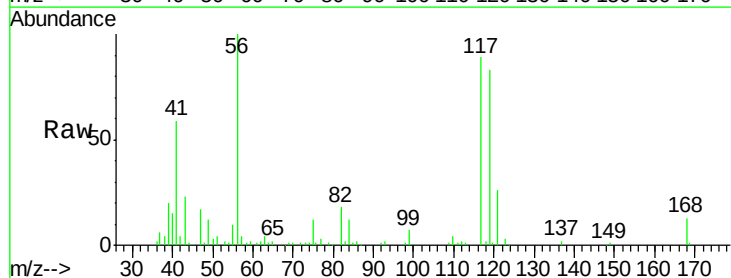


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

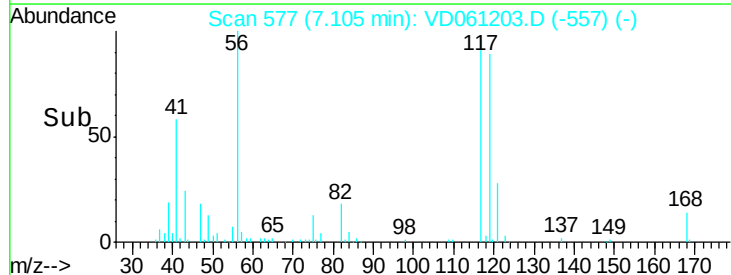
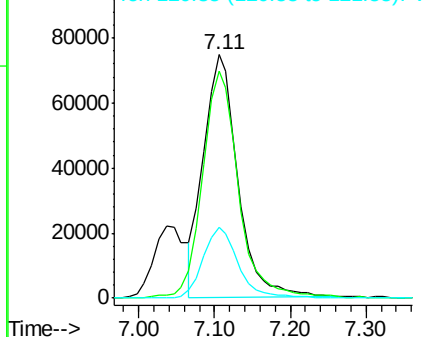


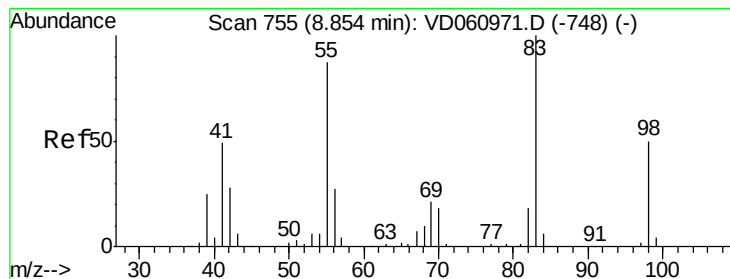
#38
Carbon Tetrachloride
Concen: 20.701 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

Tgt Ion: 117 Resp: 234203
Ion Ratio Lower Upper
117 100
119 93.3 77.8 116.8
121 29.2 25.3 37.9



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: 20.987 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

Instrument :

MSVOA_D

ClientSampleId :

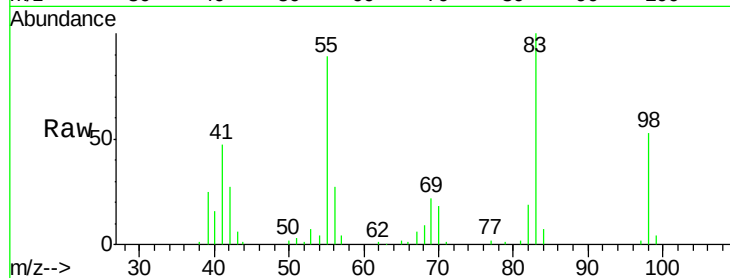
Tot Ion: 83 Resp: 223512

Ion Ratio Lower Upper

83 100

55 89.3 69.6 104.4

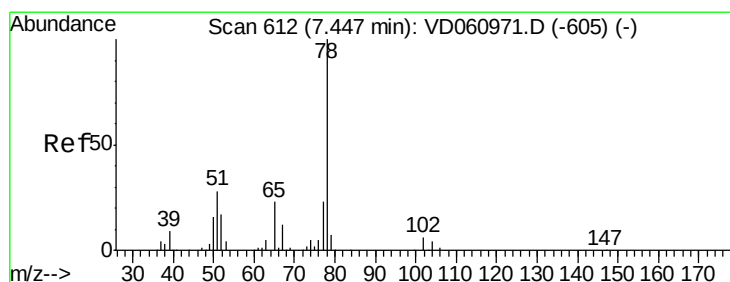
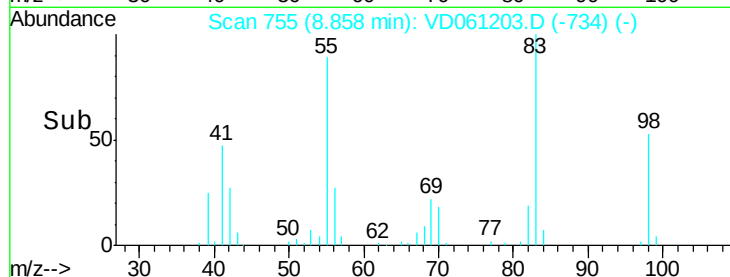
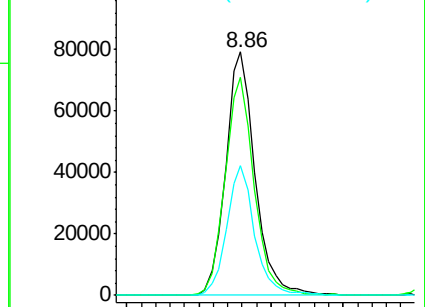
98 53.0 40.0 60.0



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: 20.815 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.00 min

Lab File: VD061203.D

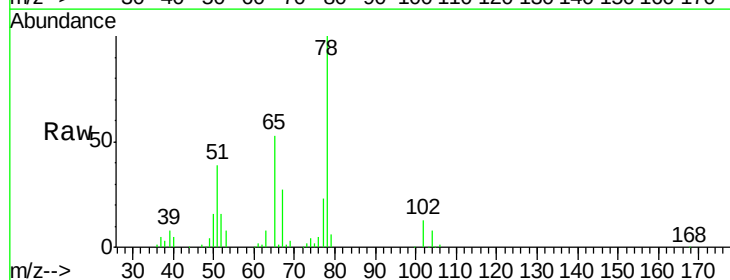
Acq: 20 Mar 2019 12:59

Tgt Ion: 78 Resp: 534201

Ion Ratio Lower Upper

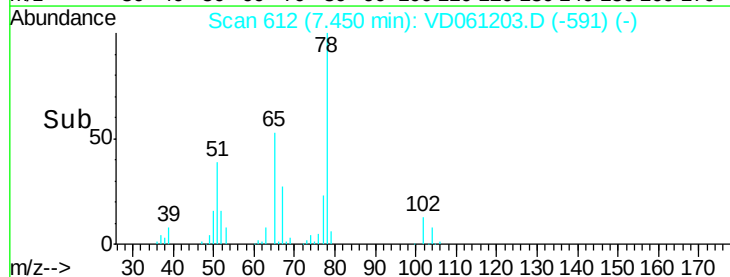
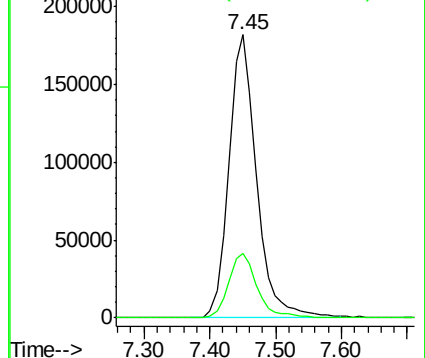
78 100

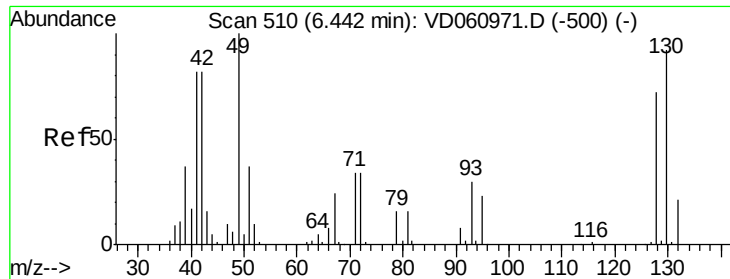
77 22.8 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC





#41

Methacrylonitrile

Concen: 19.650 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.01 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

Instrument :

MSVOA_D

ClientSampleId :

Tot Ion: 41 Resp: 108935

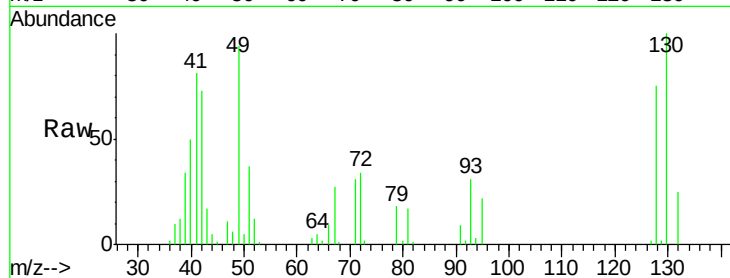
Ion Ratio Lower Upper

41 100

39 42.4 35.7 53.5

67 33.1 23.0 34.6

52 14.8 9.2 13.8#

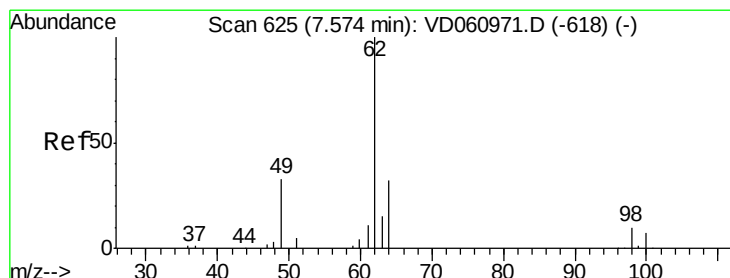
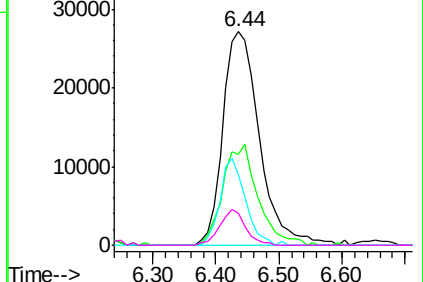
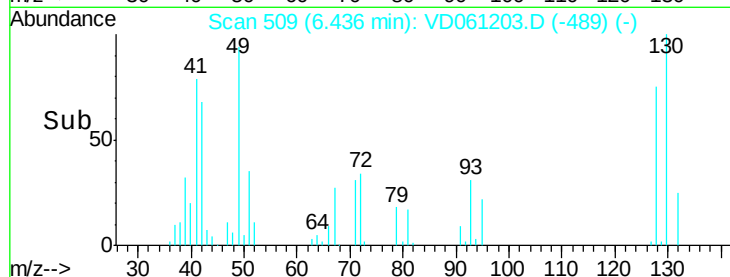


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 21.134 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.01 min

Lab File: VD061203.D

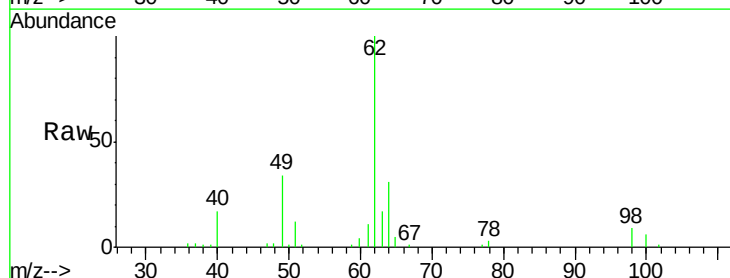
Acq: 20 Mar 2019 12:59

Tgt Ion: 62 Resp: 157404

Ion Ratio Lower Upper

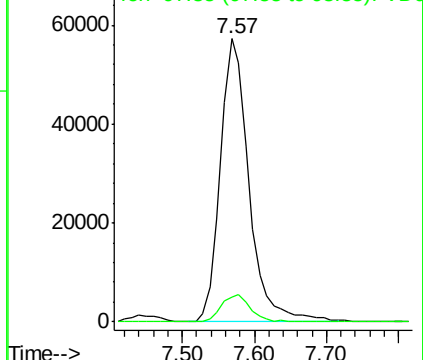
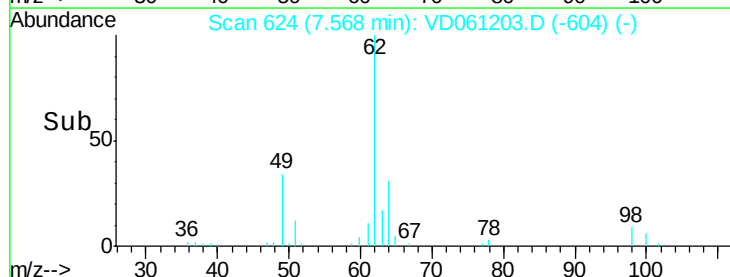
62 100

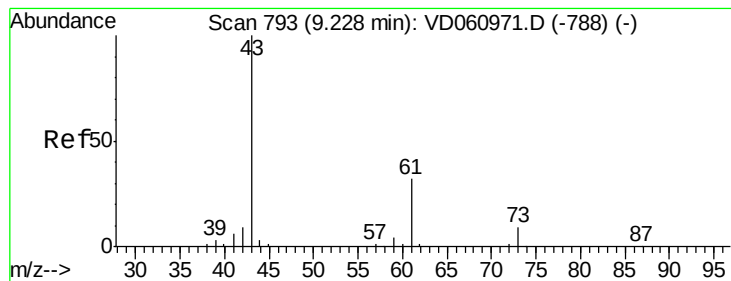
98 9.0 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



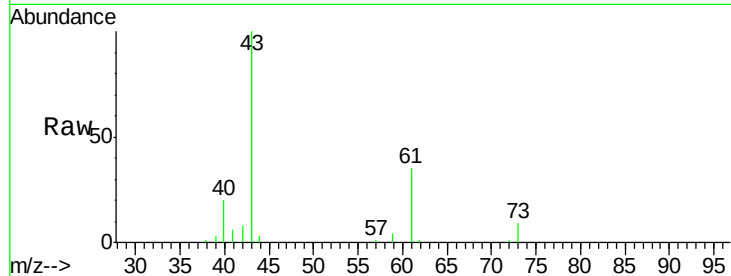


#43

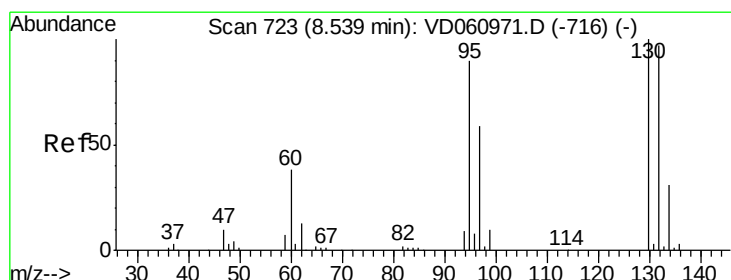
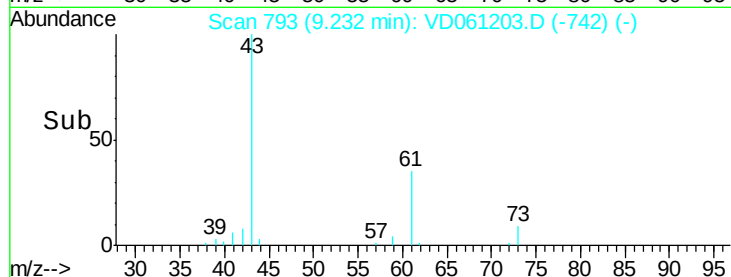
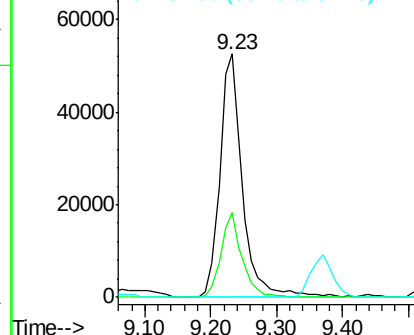
Isopropyl Acetate
 Concen: 18.627 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.00 min
 Lab File: VD061203.D
 Acq: 20 Mar 2019 12:59

Instrument :
 MSVOA_D
 ClientSampleID :

Tot Ion: 43 Resp: 124348
 Ion Ratio Lower Upper
 43 100
 61 34.9 25.6 38.4
 87 0.0 0.2 0.4#



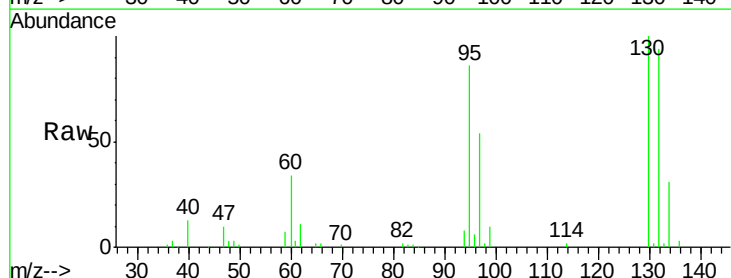
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



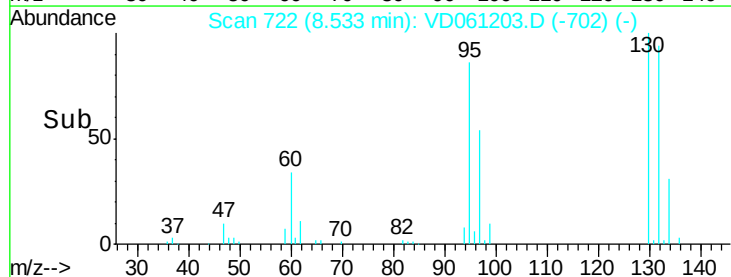
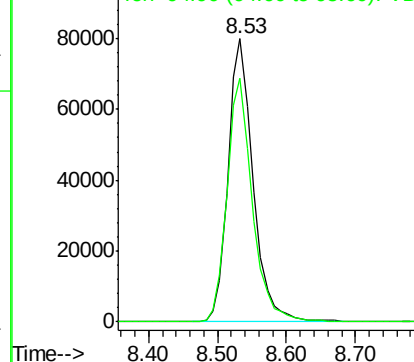
#44

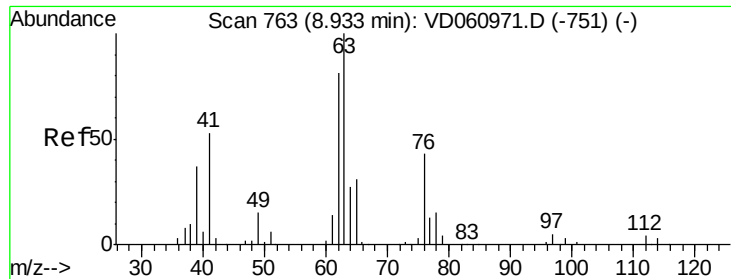
Trichloroethene
 Concen: 22.667 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.01 min
 Lab File: VD061203.D
 Acq: 20 Mar 2019 12:59

Tgt Ion:130 Resp: 200693
 Ion Ratio Lower Upper
 130 100
 95 86.0 0.0 179.4



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

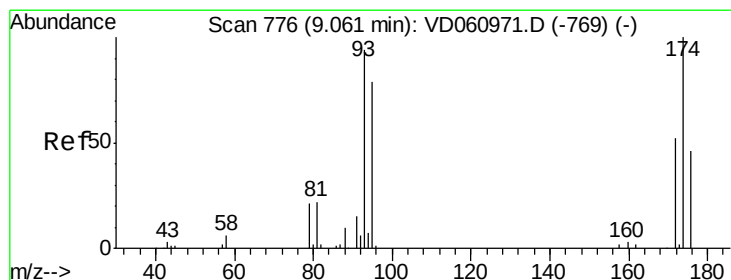
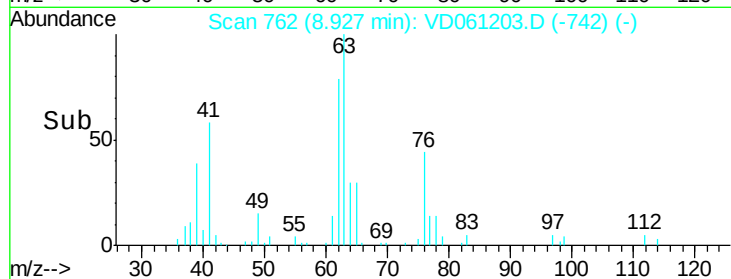
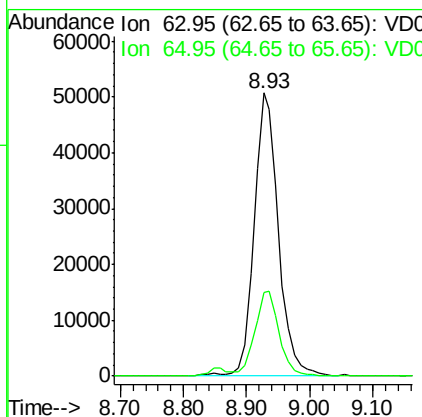
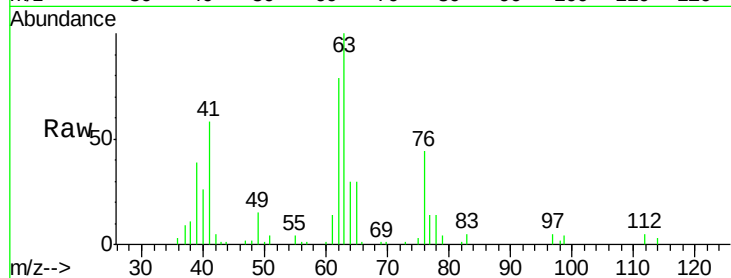




#45
 1,2-Dichloropropane
 Concen: 20.285 ug/l
 RT: 8.93 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VD061203.D
 Acq: 20 Mar 2019 12:59

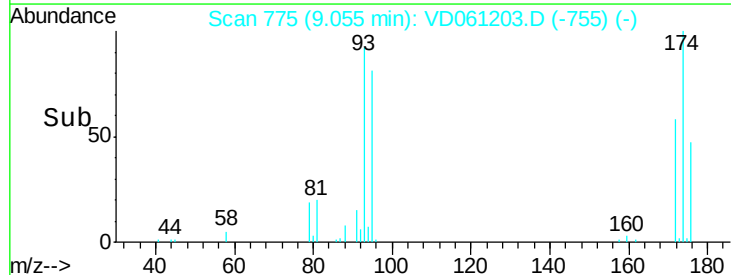
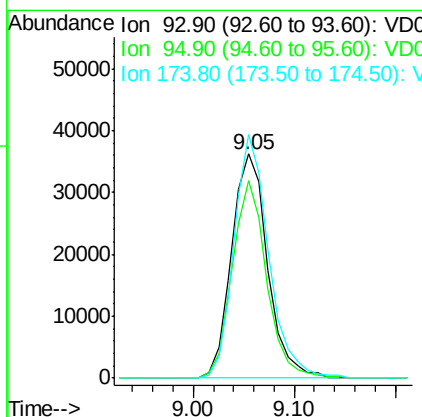
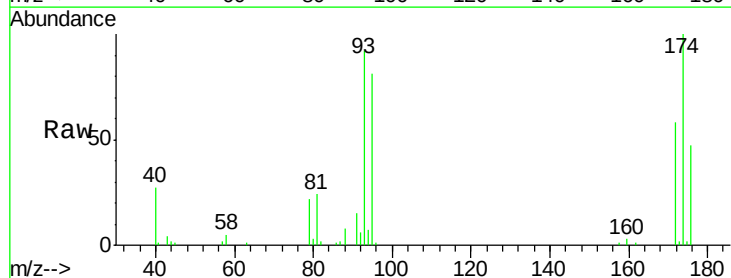
Instrument :
 MSVOA_D
 ClientSampled :

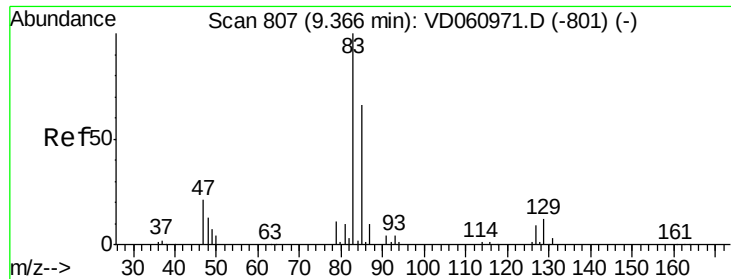
Tot Ion: 63 Resp: 136772
 Ion Ratio Lower Upper
 63 100
 65 29.5 24.8 37.2



#46
 Dibromomethane
 Concen: 21.003 ug/l
 RT: 9.05 min Scan# 775
 Delta R.T. -0.01 min
 Lab File: VD061203.D
 Acq: 20 Mar 2019 12:59

Tgt Ion: 93 Resp: 89832
 Ion Ratio Lower Upper
 93 100
 95 88.1 67.4 101.0
 174 108.5 85.4 128.0





#47

Bromodichloromethane

Concen: 21.380 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.00 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

Instrument :

MSVOA_D

ClientSampled :

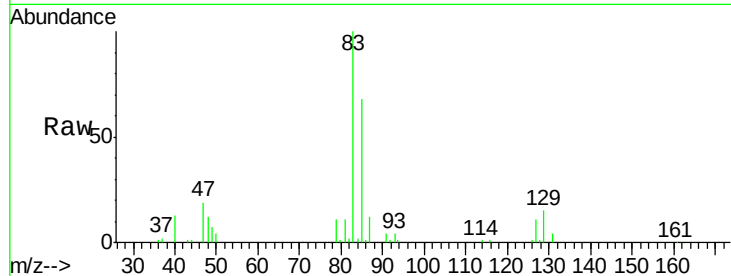
Tot Ion: 83 Resp: 206353

Ion Ratio Lower Upper

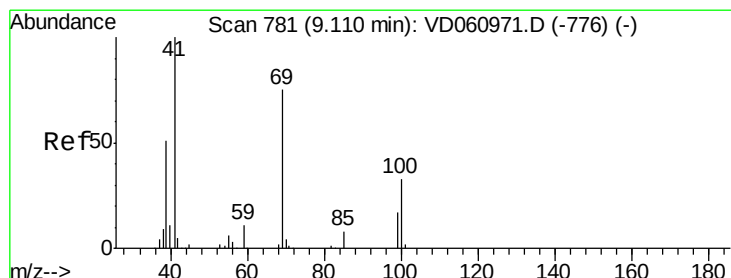
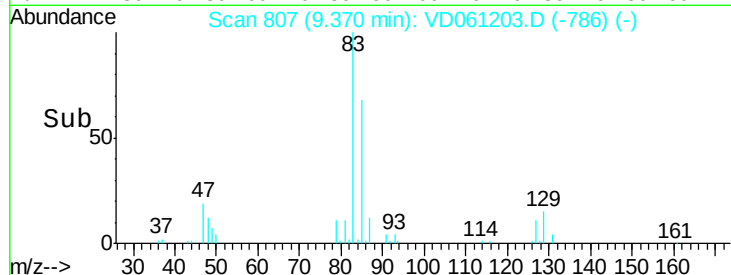
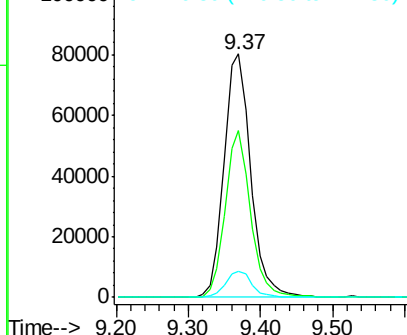
83 100

85 68.5 52.5 78.7

127 10.7 7.5 11.3



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



#48

Methyl methacrylate

Concen: 20.565 ug/l

RT: 9.11 min Scan# 781

Delta R.T. 0.00 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

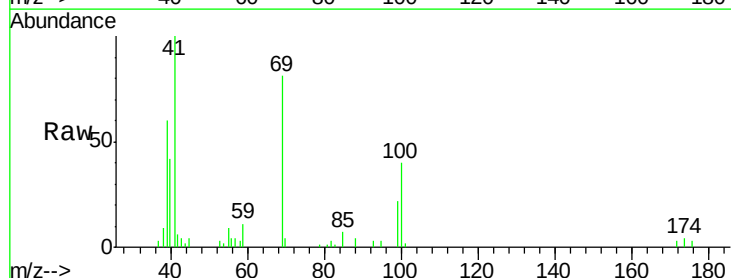
Tgt Ion: 41 Resp: 77297

Ion Ratio Lower Upper

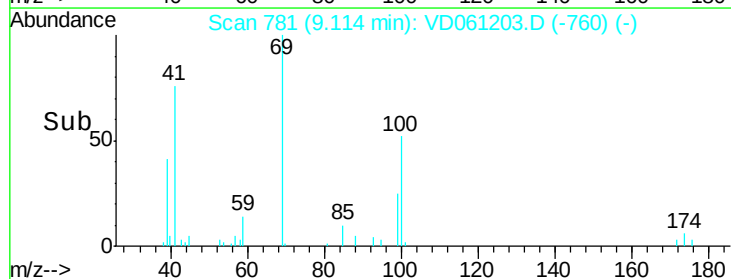
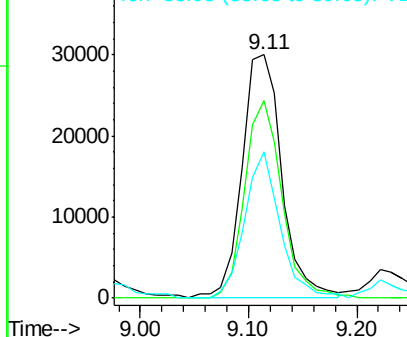
41 100

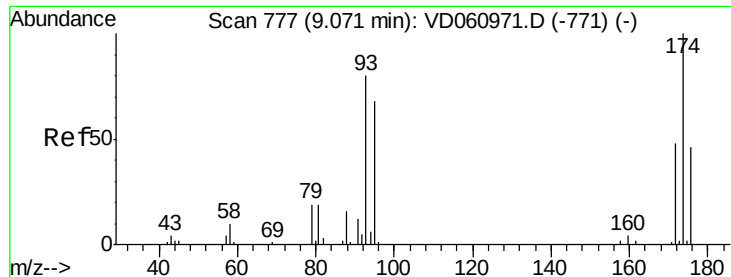
69 81.3 59.9 89.9

39 59.9 40.9 61.3



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

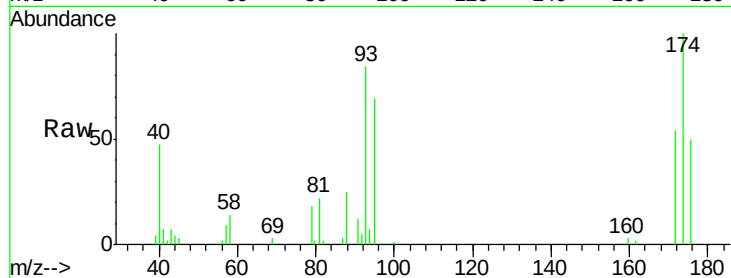




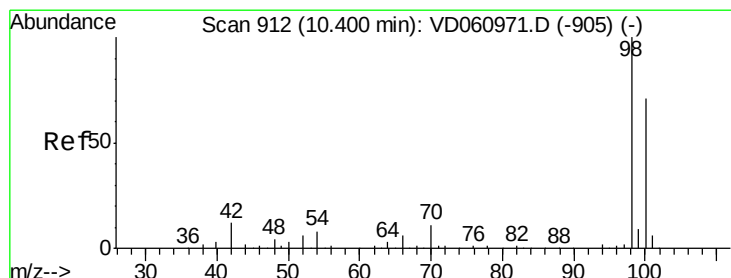
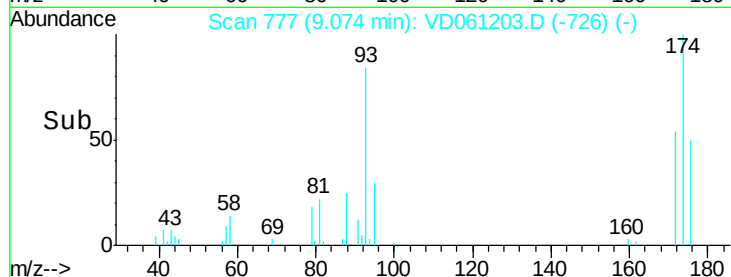
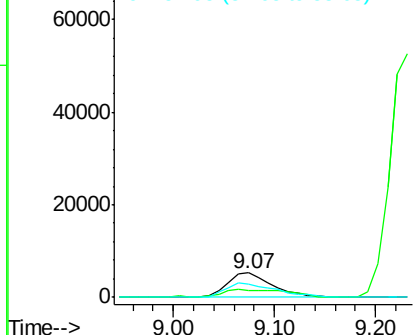
#49
1,4-Dioxane
Concen: 427.006 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion: 88 Resp: 16229
Ion Ratio Lower Upper
88 100
43 29.5 21.0 31.6
58 56.1 48.6 72.8

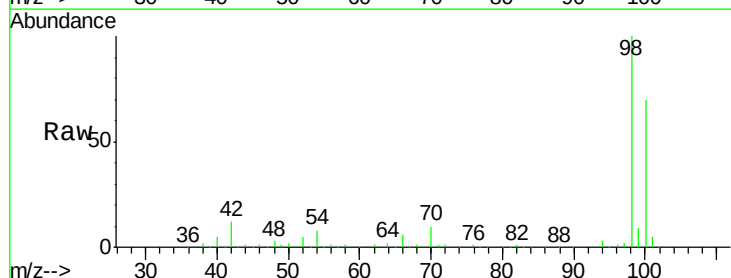


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

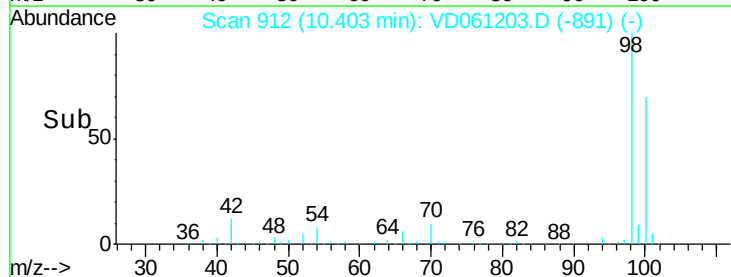
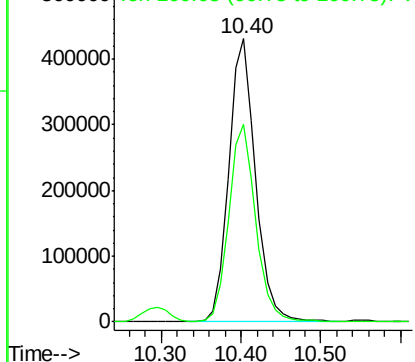


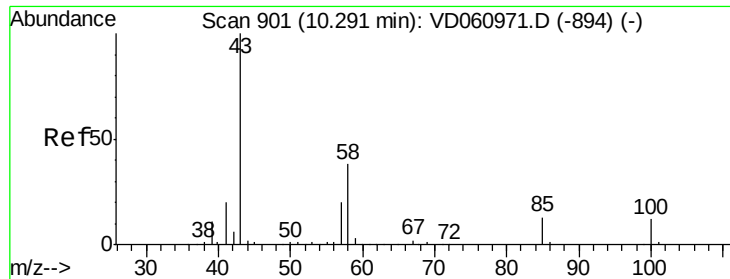
#50
Toluene-d8
Concen: 427.006 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.00 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

Tgt Ion: 98 Resp: 1013490
Ion Ratio Lower Upper
98 100
100 69.9 57.4 86.2



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: 103.066 ug/l

RT: 10.29 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

Instrument :

MSVOA_D

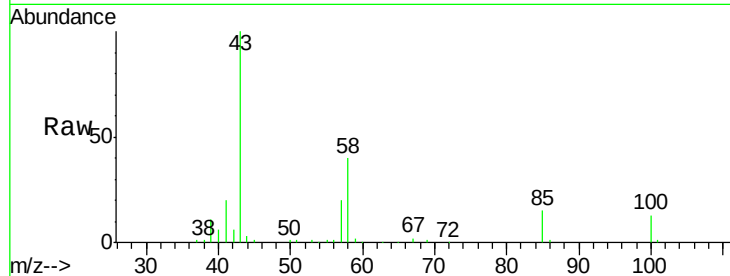
ClientSampleId :

Tot Ion: 43 Resp: 421508

Ion Ratio Lower Upper

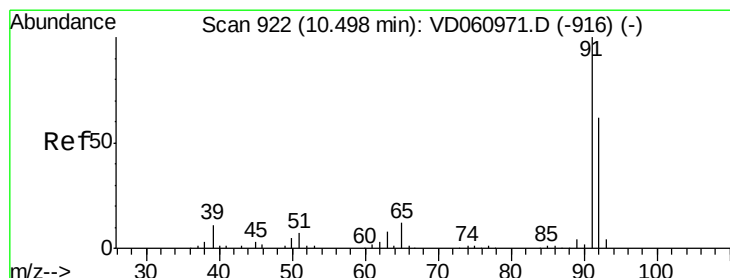
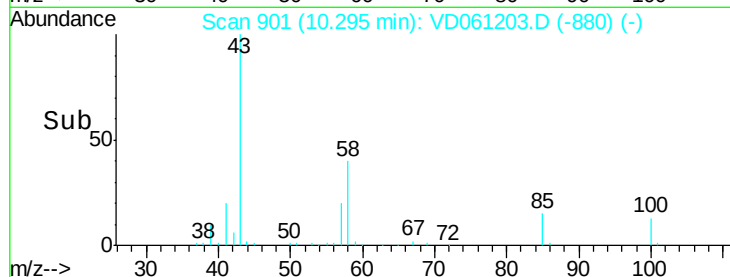
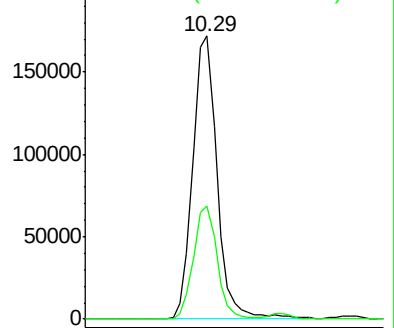
43 100

58 40.1 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.573 ug/l

RT: 10.50 min Scan# 922

Delta R.T. 0.00 min

Lab File: VD061203.D

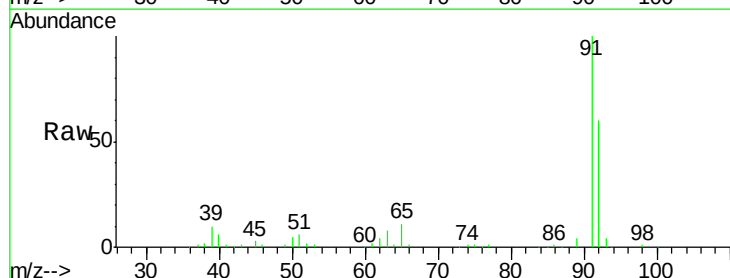
Acq: 20 Mar 2019 12:59

Tgt Ion: 92 Resp: 328333

Ion Ratio Lower Upper

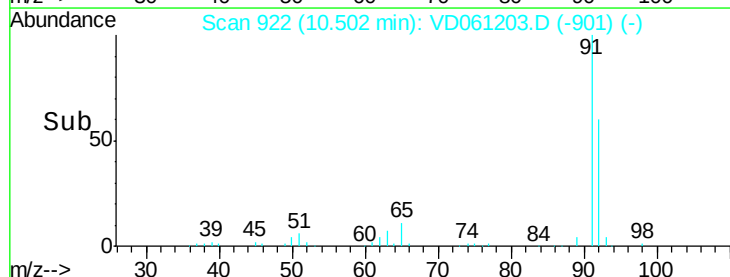
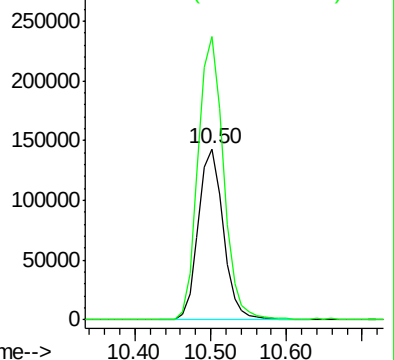
92 100

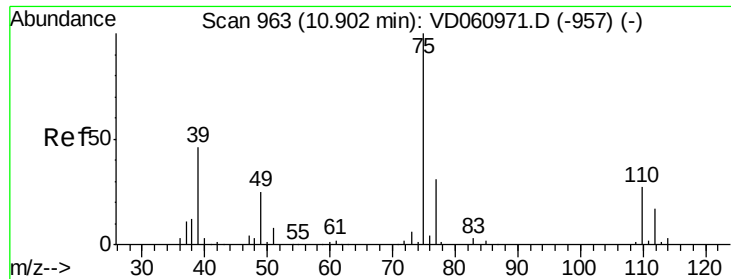
91 165.5 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

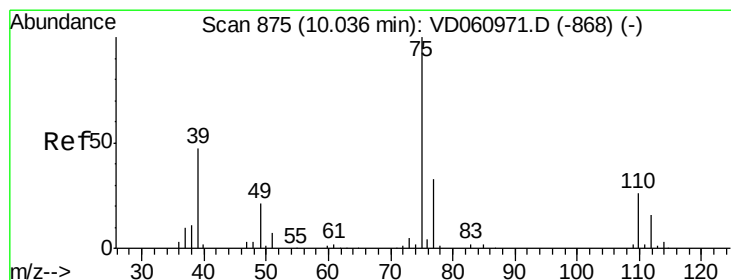
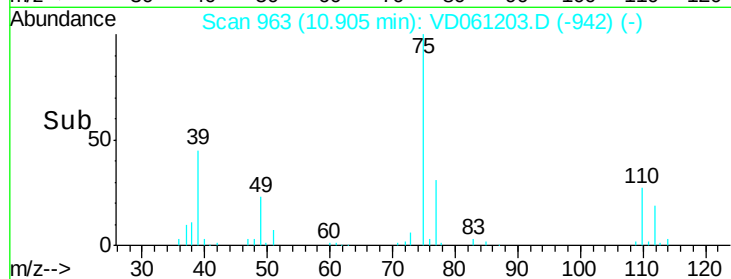
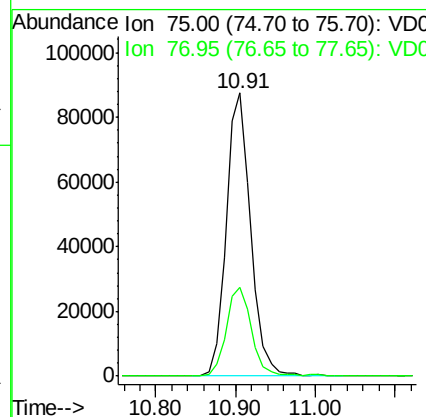
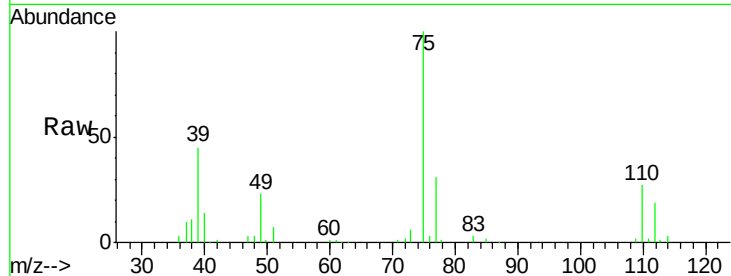




#53
t-1,3-Dichloropropene
Concen: 21.305 ug/l
RT: 10.91 min Scan# 963
Delta R.T. 0.00 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

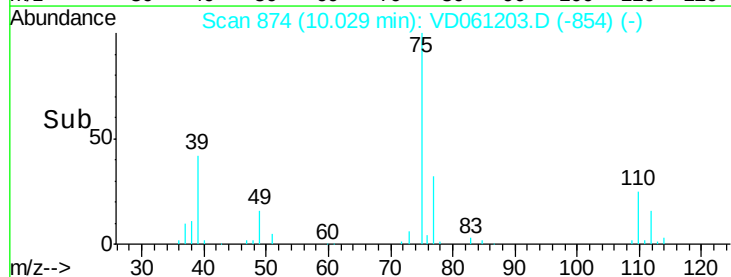
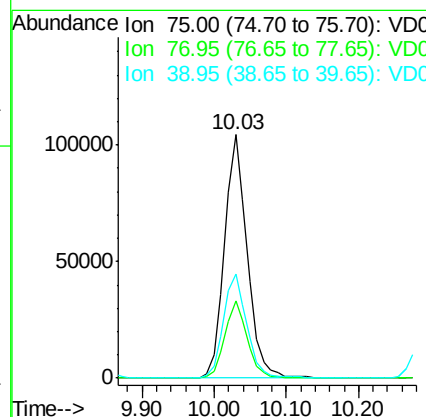
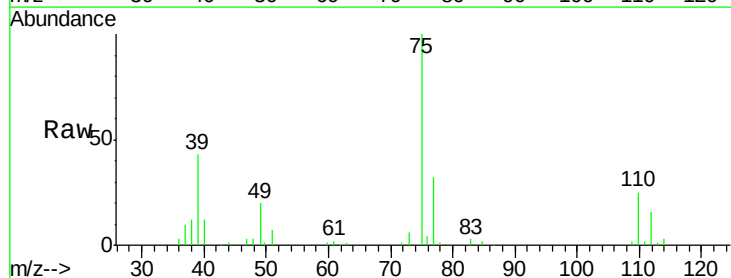
Instrument :
MSVOA_D
ClientSampleId :

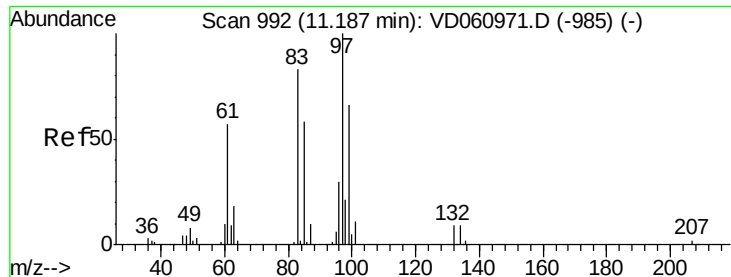
Tot Ion: 75 Resp: 188028
Ion Ratio Lower Upper
75 100
77 31.4 24.7 37.1



#54
cis-1,3-Dichloropropene
Concen: 21.339 ug/l
RT: 10.03 min Scan# 874
Delta R.T. -0.01 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

Tgt Ion: 75 Resp: 226279
Ion Ratio Lower Upper
75 100
77 31.6 26.2 39.4
39 42.8 37.8 56.8

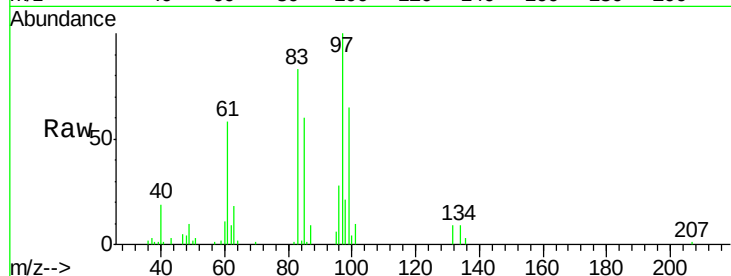




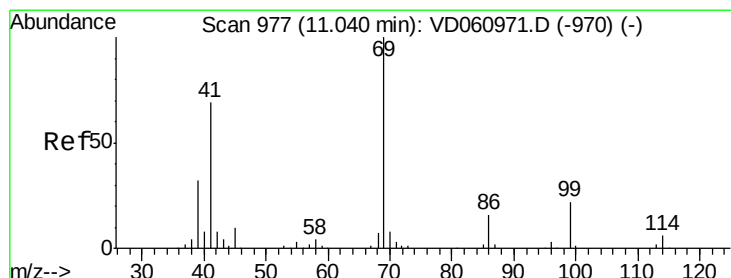
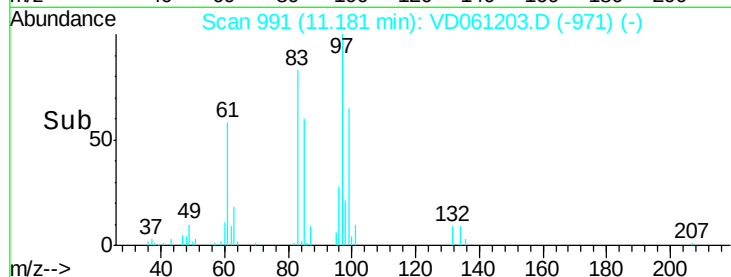
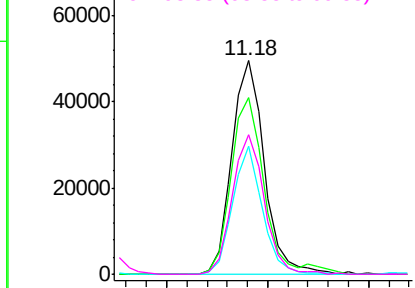
#55
 1,1,2-Trichloroethane
 Concen: 20.862 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.01 min
 Lab File: VD061203.D
 Acq: 20 Mar 2019 12:59

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:	97	Resp:	110876
Ion	Ratio	Lower	Upper
97	100		
83	82.7	66.6	100.0
85	59.8	46.4	69.6
99	65.1	52.4	78.6

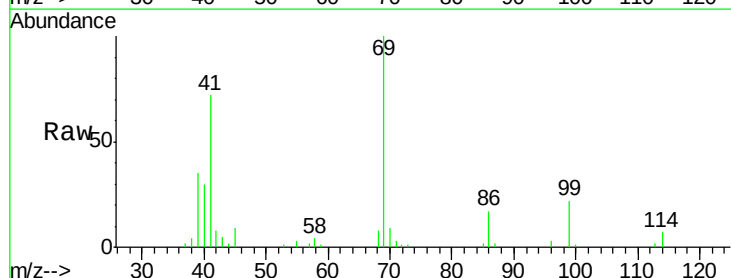


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

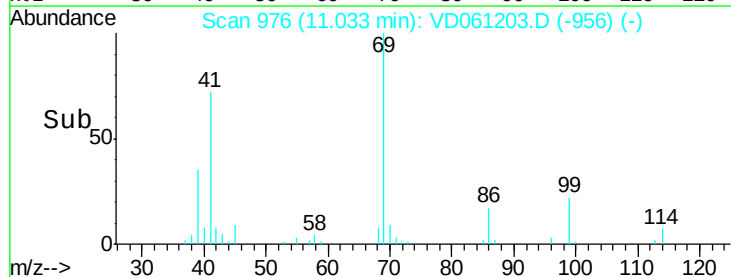
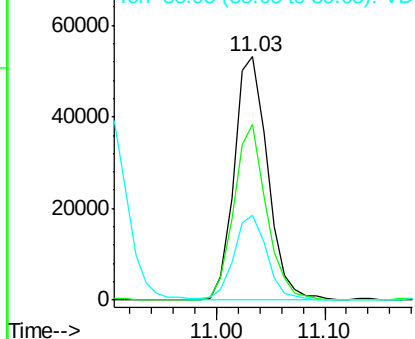


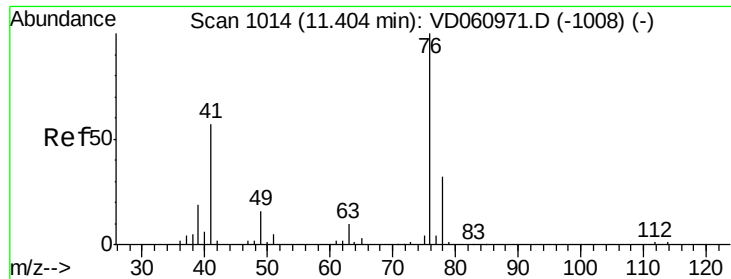
#56
 Ethyl methacrylate
 Concen: 20.567 ug/l
 RT: 11.03 min Scan# 976
 Delta R.T. -0.01 min
 Lab File: VD061203.D
 Acq: 20 Mar 2019 12:59

Tgt Ion:	69	Resp:	114417
Ion	Ratio	Lower	Upper
69	100		
41	72.1	55.5	83.3
39	35.0	26.2	39.2



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

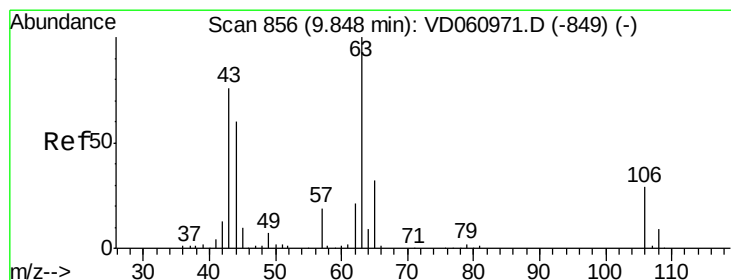
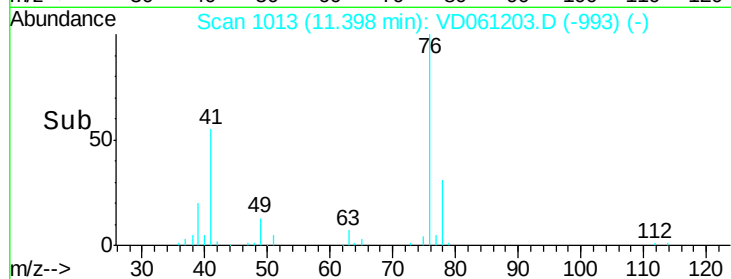
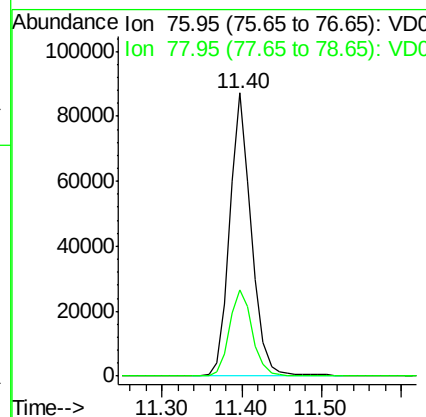
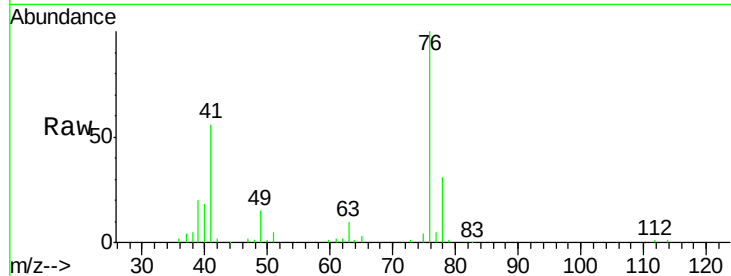




#57
 1,3-Dichloropropane
 Concen: 20.952 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.01 min
 Lab File: VD061203.D
 Acq: 20 Mar 2019 12:59

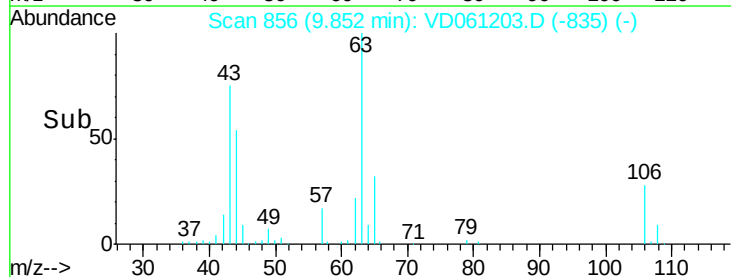
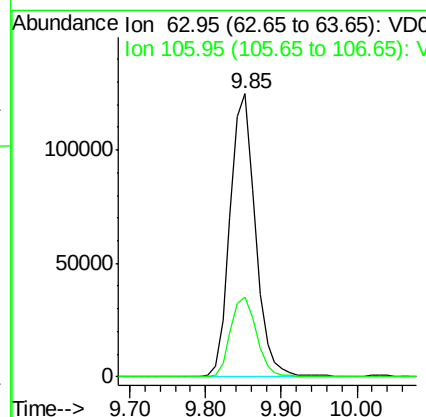
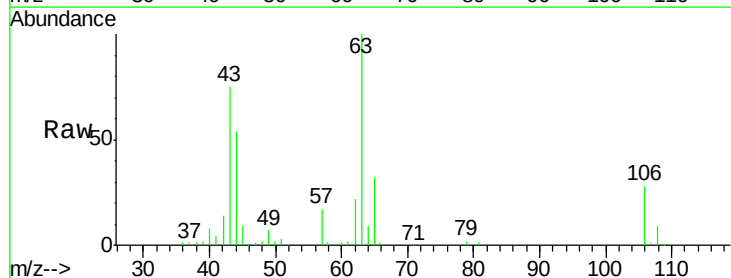
Instrument :
 MSVOA_D
 ClientSampleId :

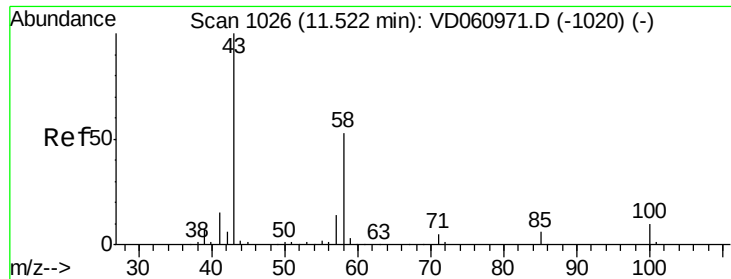
Tot Ion: 76 Resp: 166408
 Ion Ratio Lower Upper
 76 100
 78 30.6 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 98.118 ug/l
 RT: 9.85 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VD061203.D
 Acq: 20 Mar 2019 12:59

Tgt Ion: 63 Resp: 288922
 Ion Ratio Lower Upper
 63 100
 106 28.4 22.8 34.2

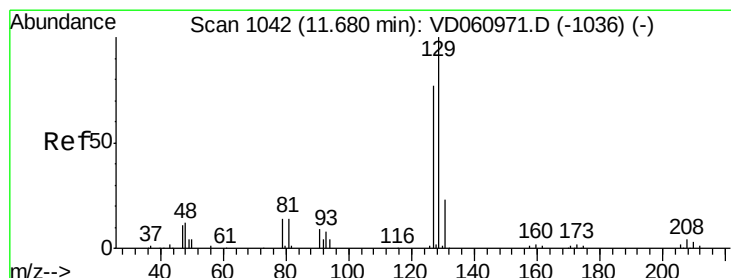
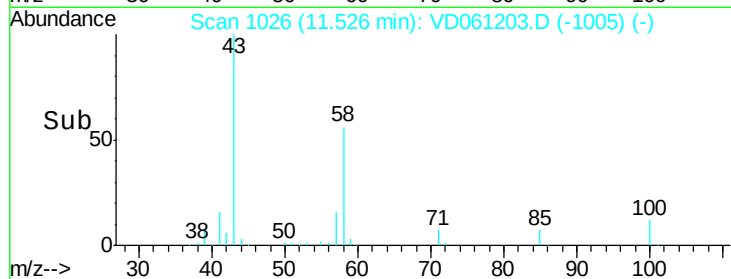
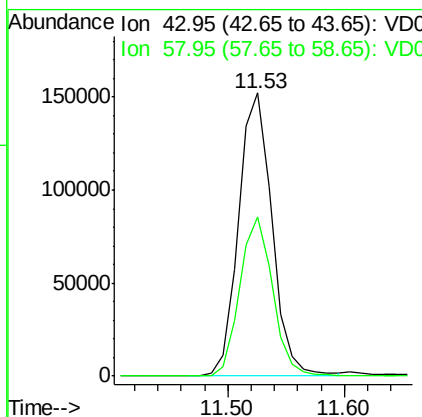
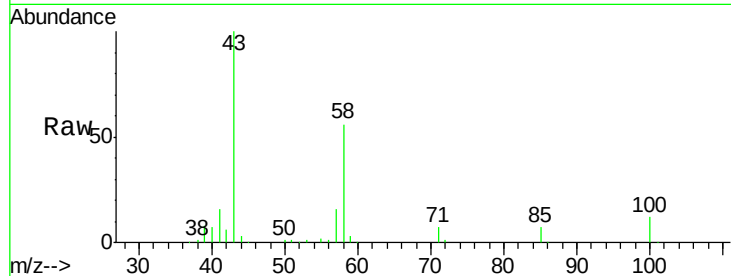




#59
2-Hexanone
Concen: 100.931 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.00 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

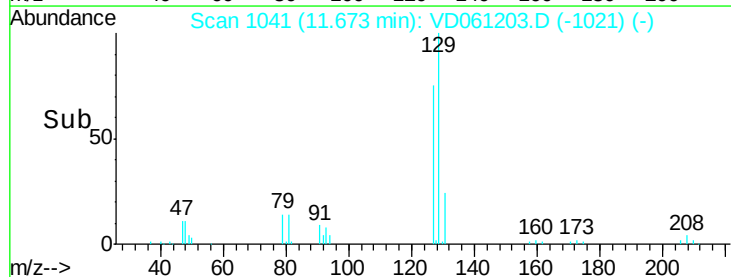
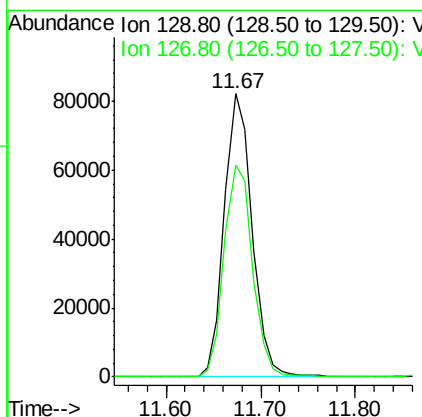
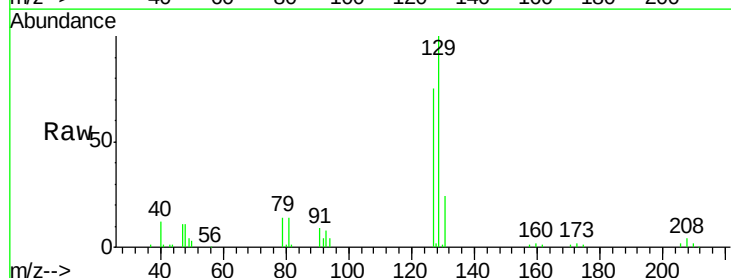
Instrument :
MSVOA_D
ClientSampleId :

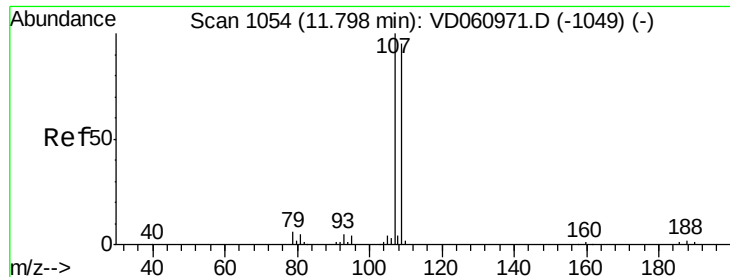
Tot Ion: 43 Resp: 301944
Ion Ratio Lower Upper
43 100
58 56.2 26.5 79.5



#60
Dibromochloromethane
Concen: 21.399 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

Tgt Ion:129 Resp: 167376
Ion Ratio Lower Upper
129 100
127 74.7 38.3 114.9





#61

1,2-Dibromoethane

Concen: 21.632 ug/l

RT: 11.79 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

Instrument :

MSVOA_D

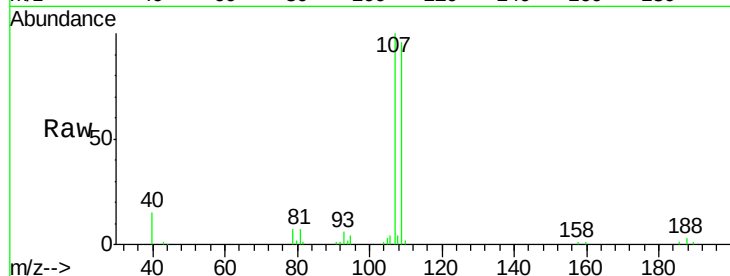
ClientSampleId :

Tot Ion:107 Resp: 133743

Ion Ratio Lower Upper

107 100

109 95.9 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

11.79

80000

60000

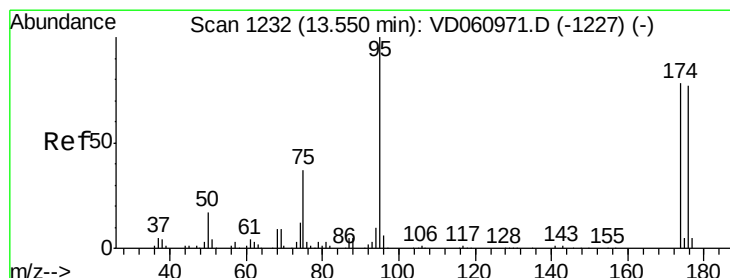
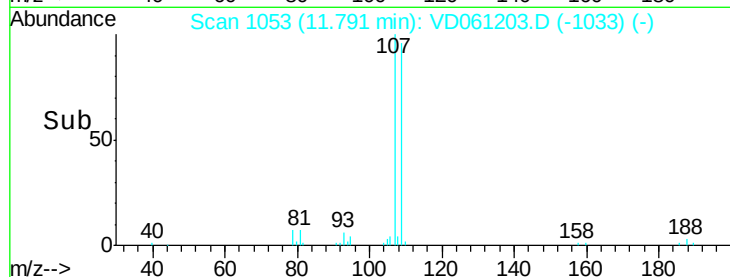
40000

20000

0

Time-->

11.70 11.80 11.90



#62

4-Bromofluorobenzene

Concen: 21.632 ug/l

RT: 13.54 min Scan# 1231

Delta R.T. -0.01 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

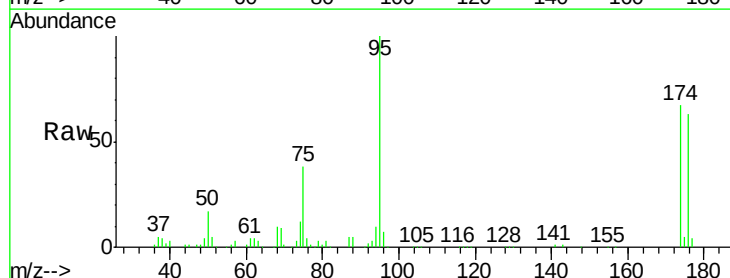
Tgt Ion: 95 Resp: 390131

Ion Ratio Lower Upper

95 100

174 66.5 0.0 155.6

176 63.3 0.0 153.8



Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

300000

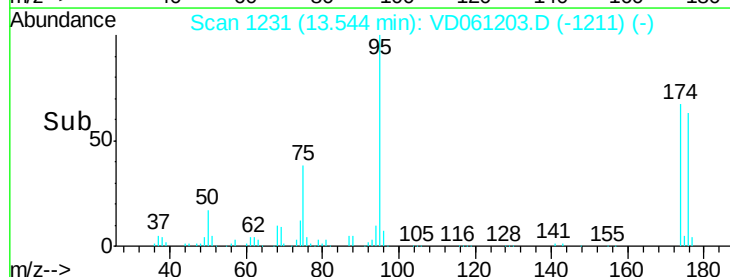
200000

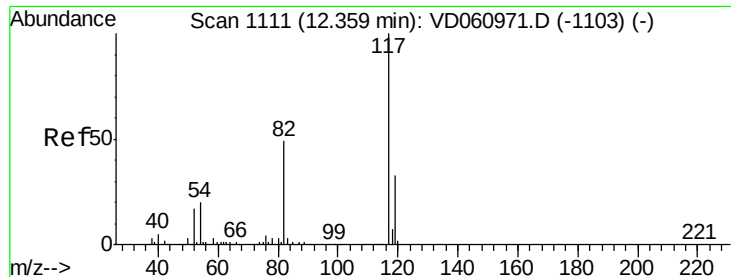
100000

0

Time-->

13.50 13.60

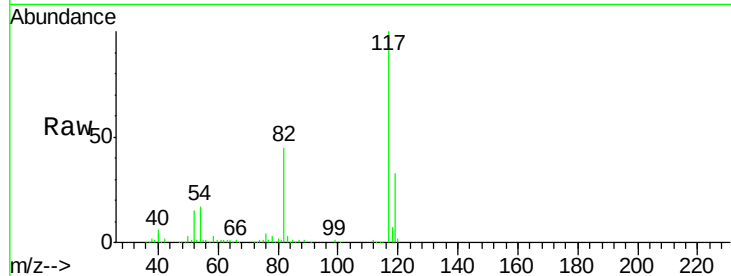




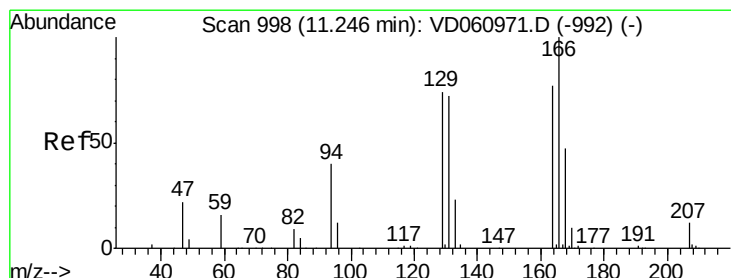
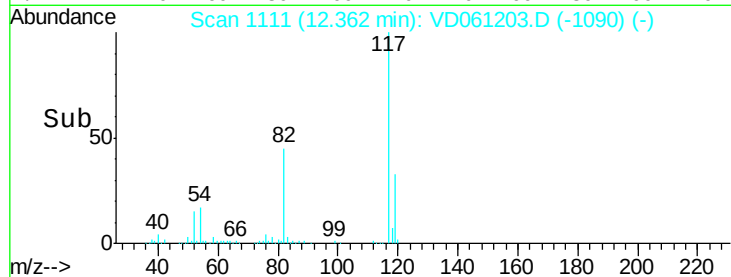
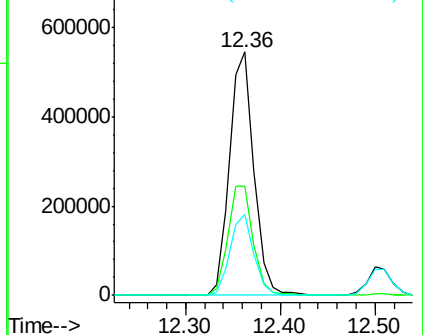
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	45.0	38.9	58.3
119	33.2	26.6	39.8

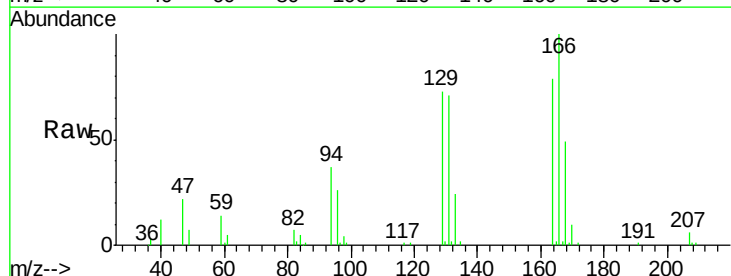


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

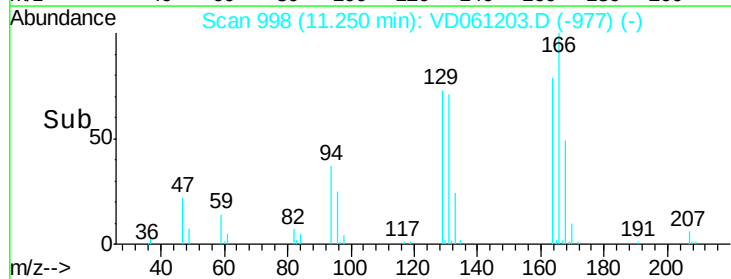
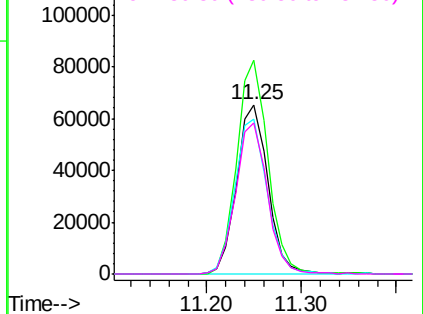


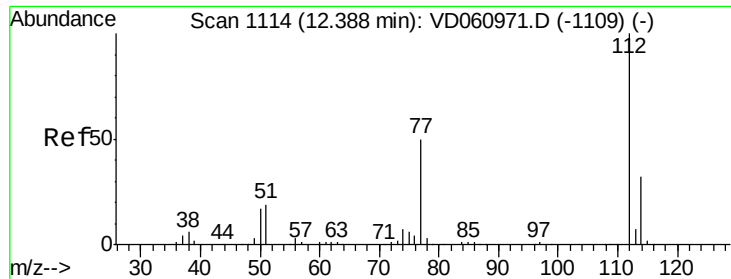
#64
Tetrachloroethene
Concen: 22.835 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.00 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.2	103.4	155.0
129	91.7	76.9	115.3
131	89.3	74.4	111.6



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

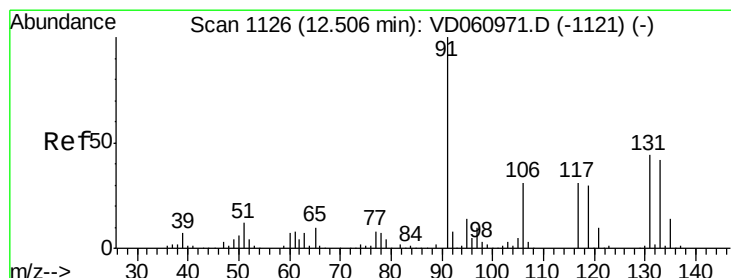
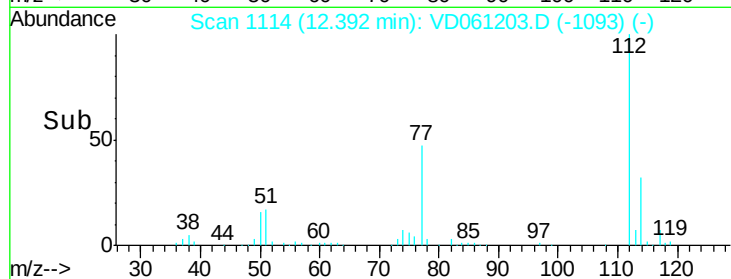
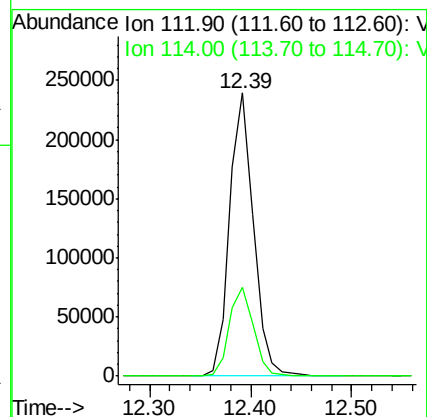
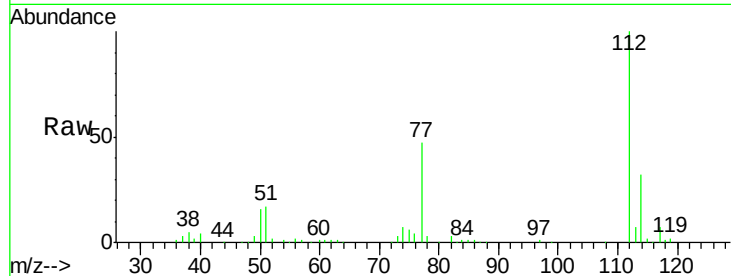




#65
Chlorobenzene
Concen: 20.720 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

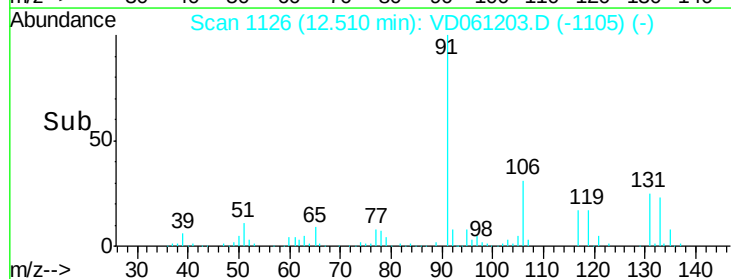
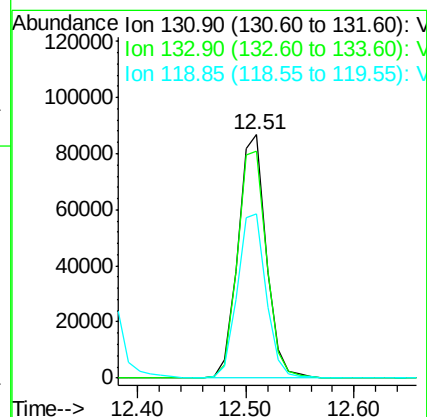
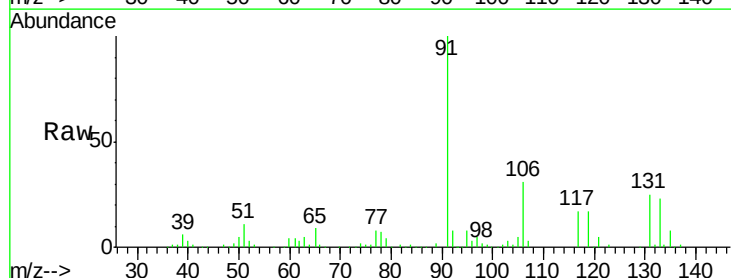
Instrument :
MSVOA_D
ClientSampled :

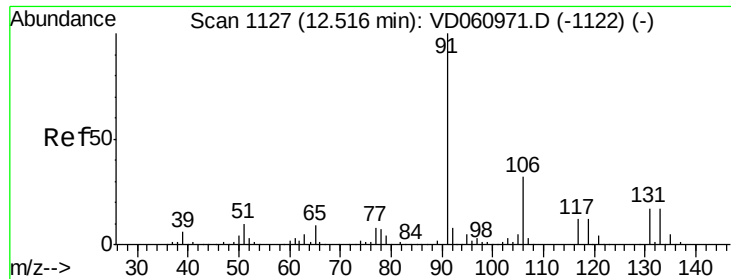
Tot Ion:112 Resp: 393660
Ion Ratio Lower Upper
112 100
114 31.5 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 23.184 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.00 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

Tgt Ion:131 Resp: 157007
Ion Ratio Lower Upper
131 100
133 93.0 47.8 143.3
119 67.5 34.3 102.9

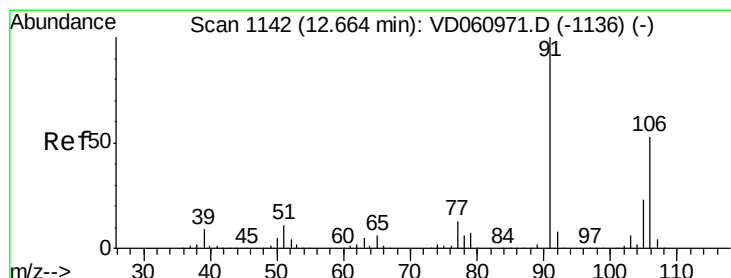
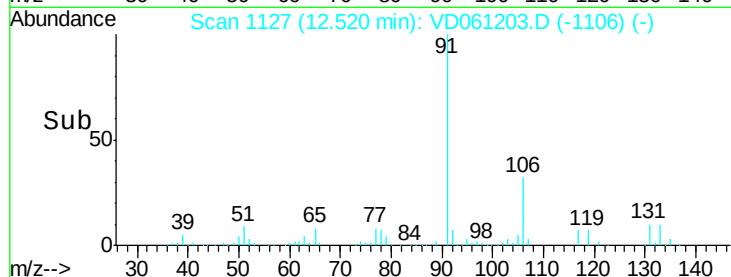
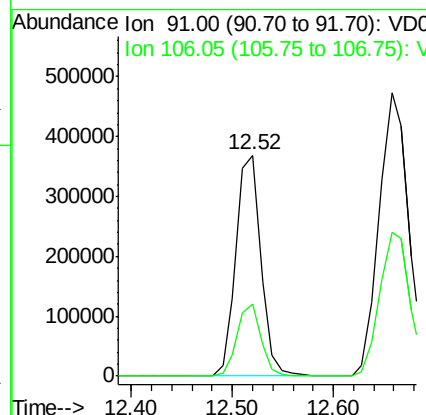
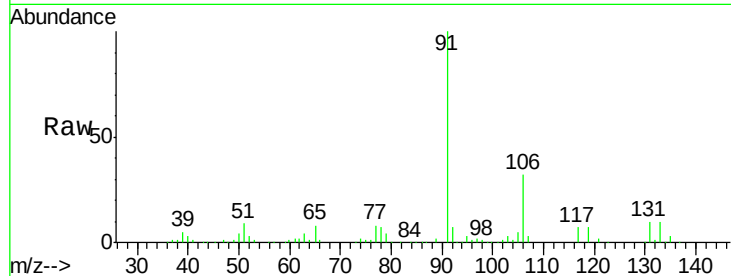




#67
Ethyl Benzene
Concen: 22.461 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.00 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

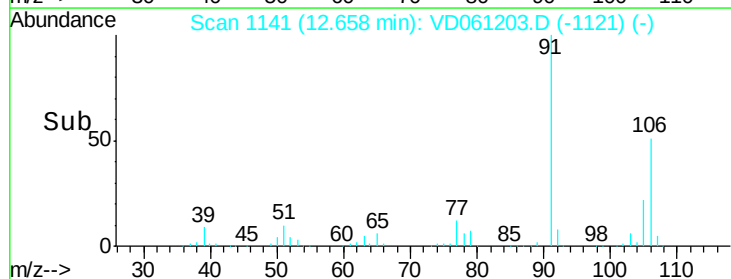
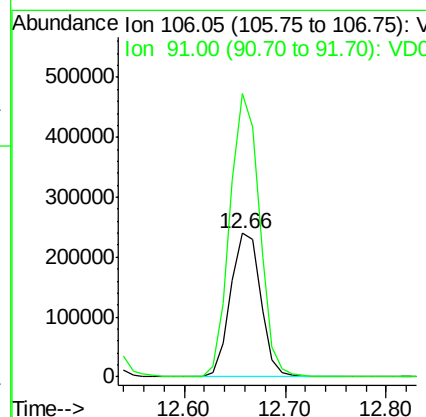
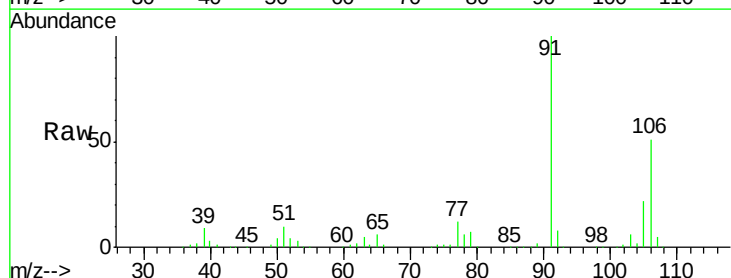
Instrument :
MSVOA_D
ClientSampled :

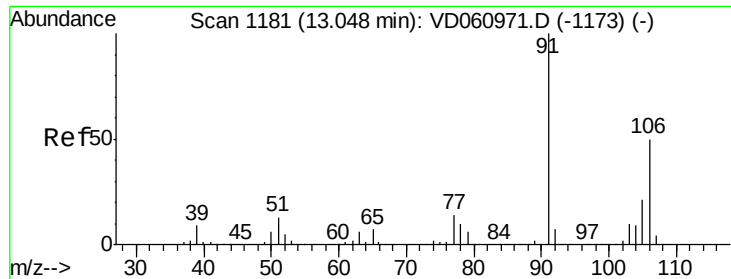
Tot Ion: 91 Resp: 635299
Ion Ratio Lower Upper
91 100
106 32.4 25.7 38.5



#68
m/p-Xylenes
Concen: 45.147 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

Tgt Ion: 106 Resp: 501201
Ion Ratio Lower Upper
106 100
91 197.4 152.0 228.0

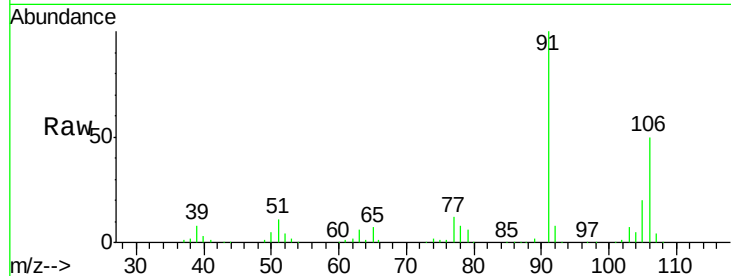




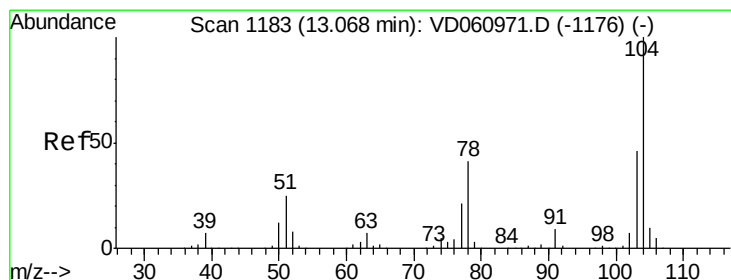
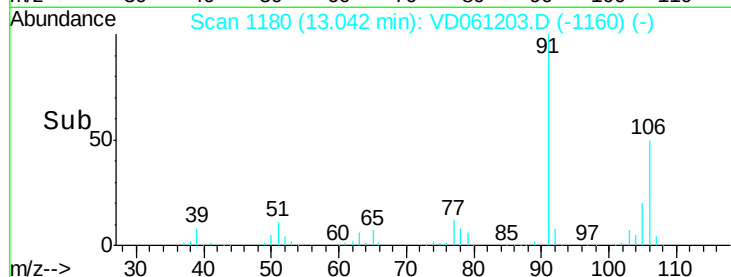
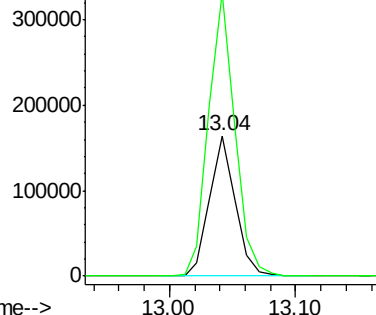
#69
o-Xylene
Concen: 21.319 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

Instrument :
MSVOA_D
ClientSampled :

Tot Ion:106 Resp: 232647
Ion Ratio Lower Upper
106 100
91 201.8 99.8 299.3

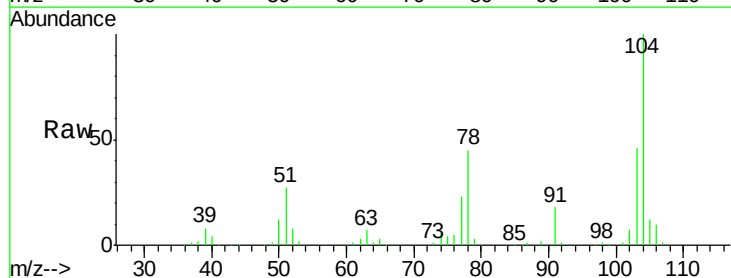


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

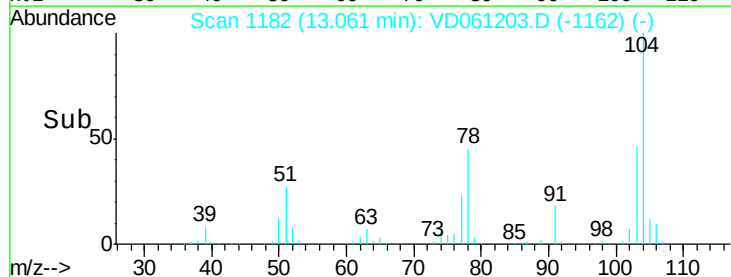
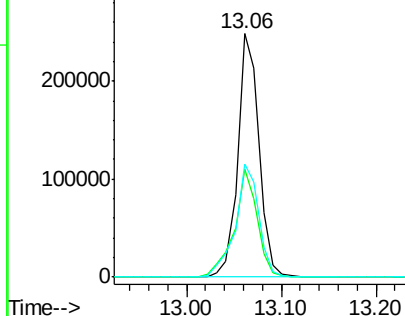


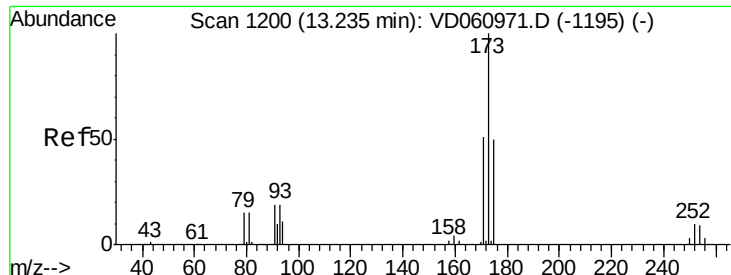
#70
Styrene
Concen: 21.550 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. -0.01 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

Tgt Ion:104 Resp: 383988
Ion Ratio Lower Upper
104 100
78 44.6 33.0 49.4
103 46.3 37.1 55.7



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: 20.838 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

Instrument :

MSVOA_D

ClientSampleId :

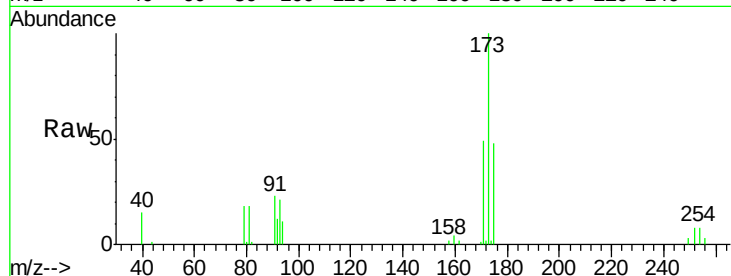
Tot Ion:173 Resp: 91035

Ion Ratio Lower Upper

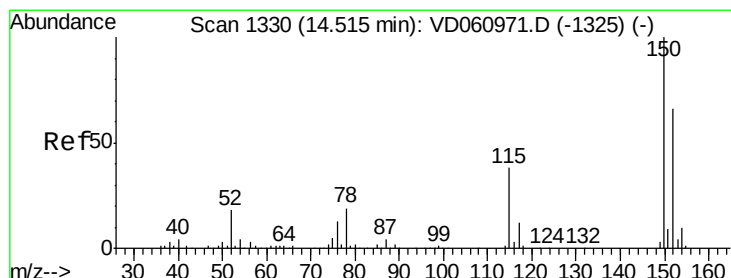
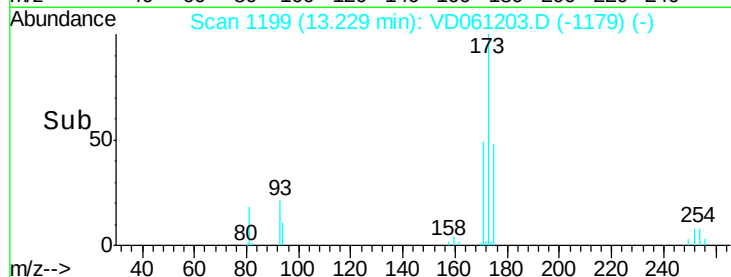
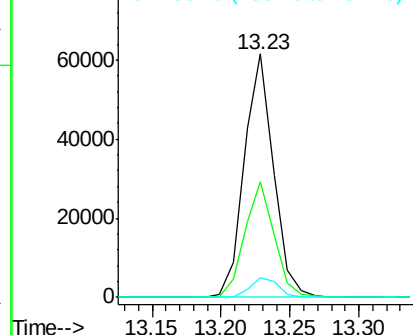
173 100

175 47.6 24.9 74.8

254 7.9 7.3 10.9



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. -0.01 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

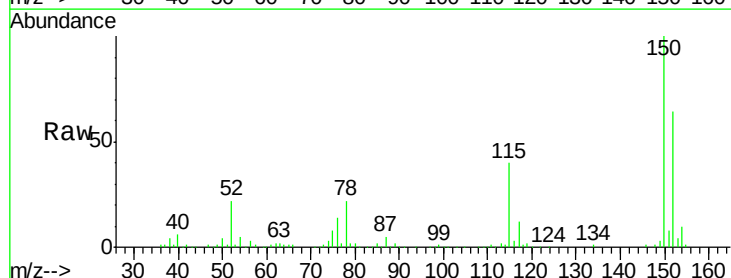
Tgt Ion:152 Resp: 423641

Ion Ratio Lower Upper

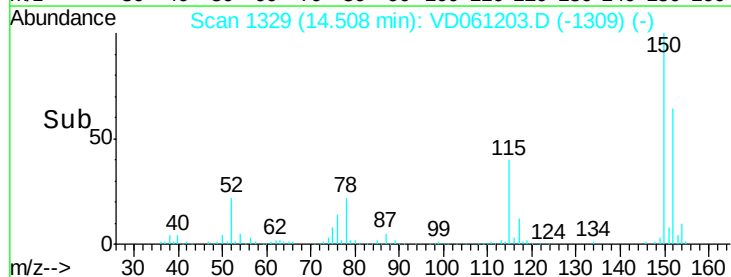
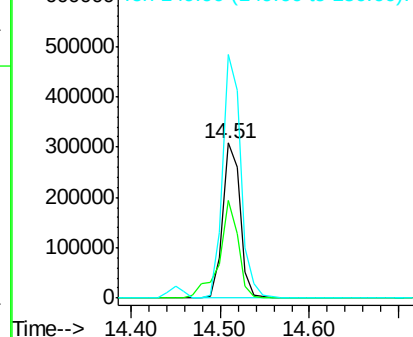
152 100

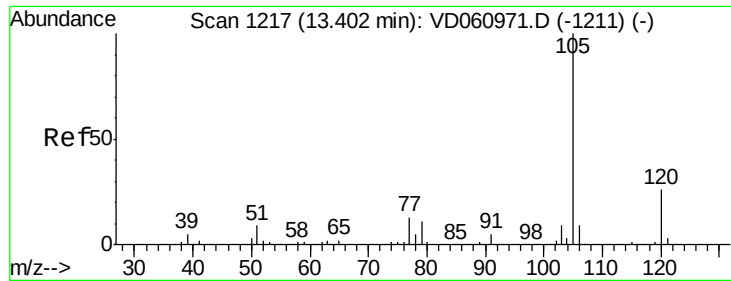
115 62.9 28.6 85.9

150 157.0 0.0 310.6



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





#73

Isopropylbenzene

Concen: 18.482 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

Instrument :

MSVOA_D

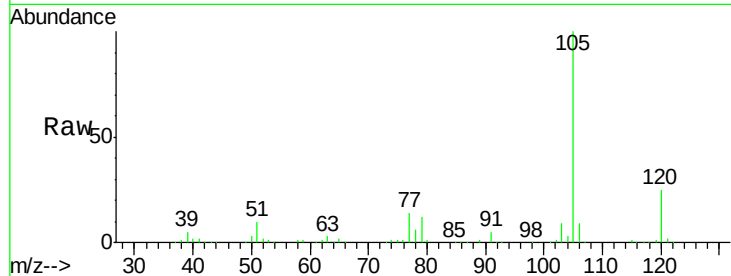
ClientSampleId :

Tot Ion:105 Resp: 564268

Ion Ratio Lower Upper

105 100

120 25.5 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.40

400000

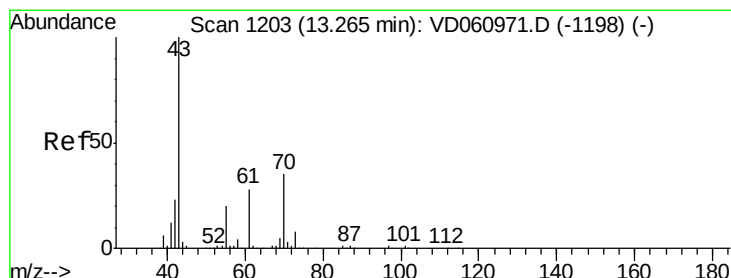
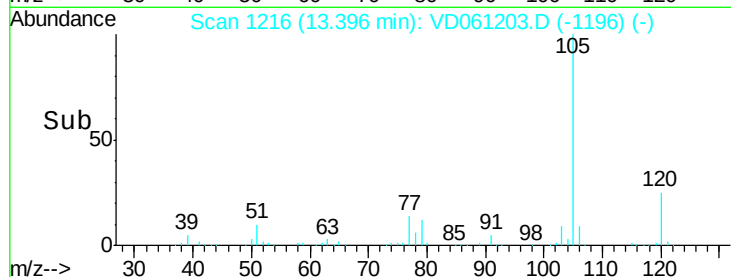
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 19.588 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

Tgt Ion: 43 Resp: 168391

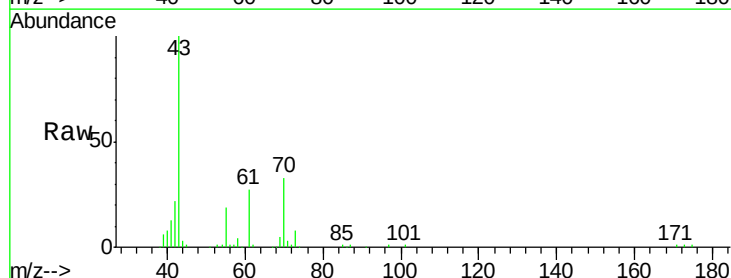
Ion Ratio Lower Upper

43 100

70 33.0 27.7 41.5

55 19.2 16.2 24.2

61 27.0 22.3 33.5



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

13.26

200000

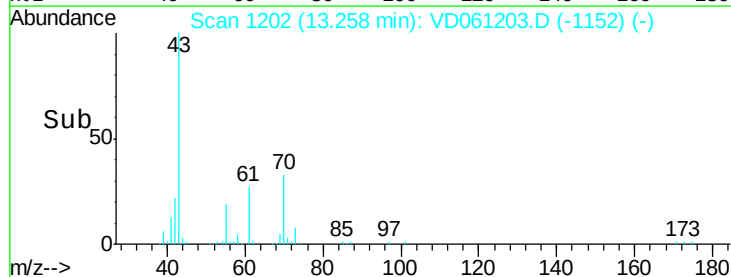
150000

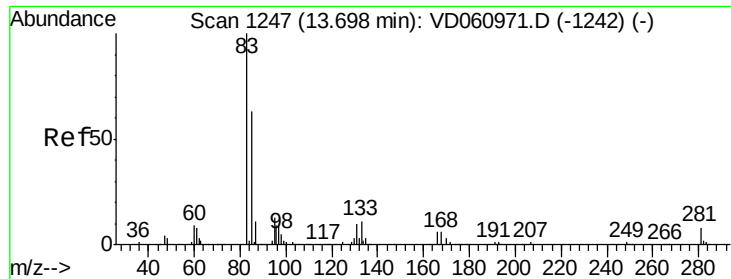
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.026 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

Instrument :

MSVOA_D

ClientSampleId :

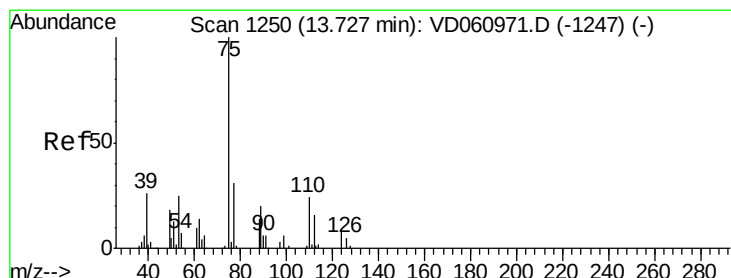
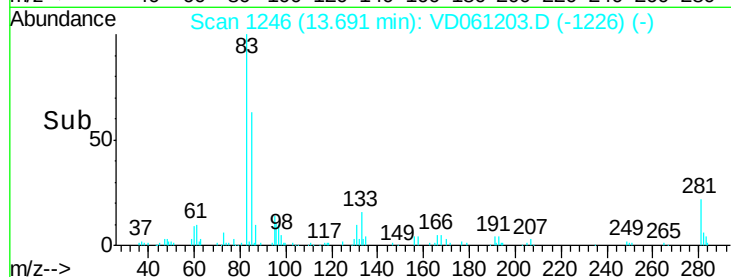
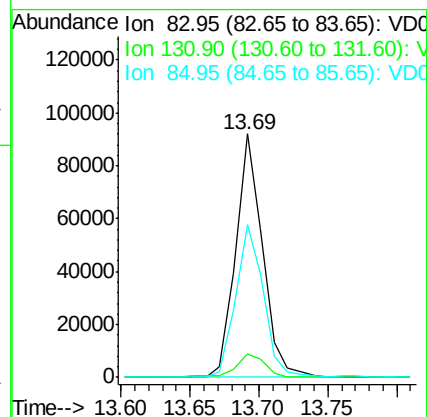
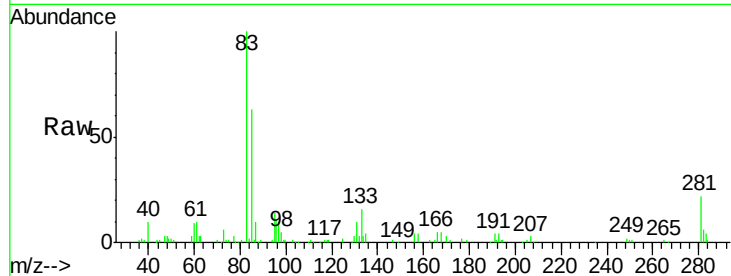
Tot Ion: 83 Resp: 125245

Ion Ratio Lower Upper

83 100

131 9.7 5.1 15.3

85 62.6 31.5 94.5



#76

1,2,3-Trichloropropane

Concen: 21.477 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.00 min

Lab File: VD061203.D

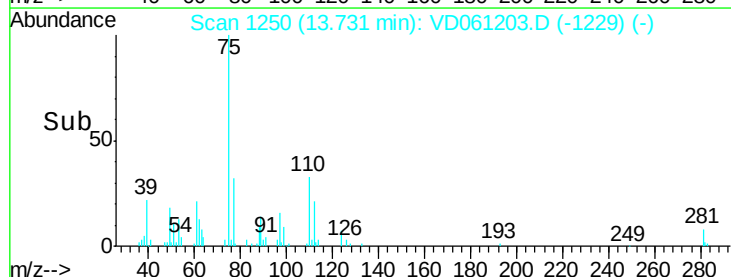
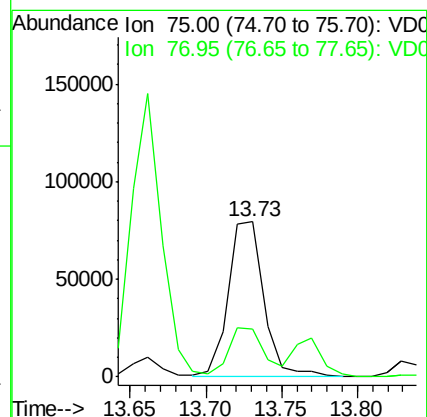
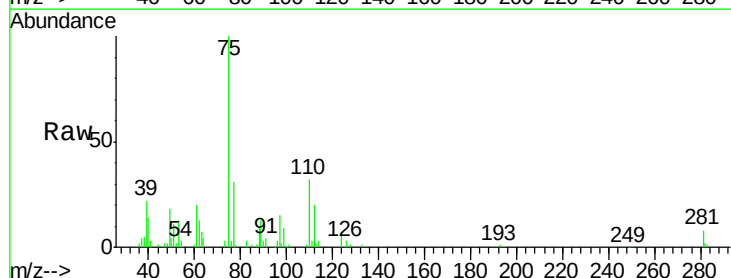
Acq: 20 Mar 2019 12:59

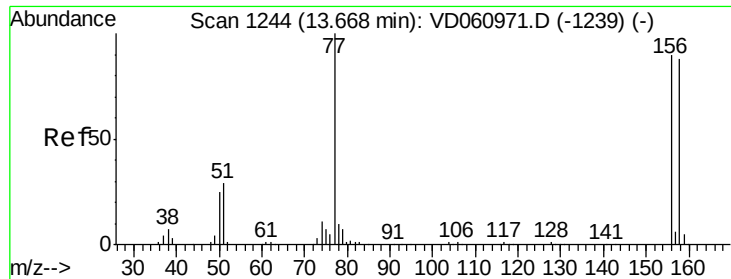
Tgt Ion: 75 Resp: 130900

Ion Ratio Lower Upper

75 100

77 31.2 16.6 49.7





#77

Bromobenzene

Concen: 21.299 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

Instrument :

MSVOA_D

ClientSampleId :

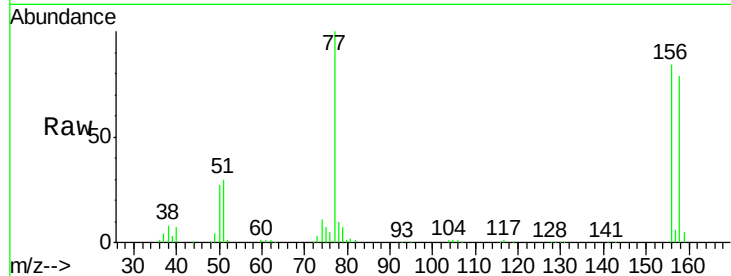
Tot Ion:156 Resp: 165997

Ion Ratio Lower Upper

156 100

77 118.6 55.5 166.7

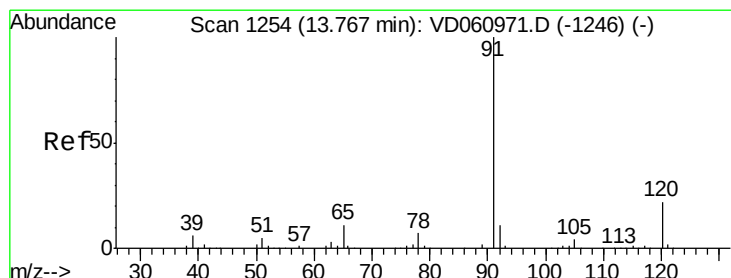
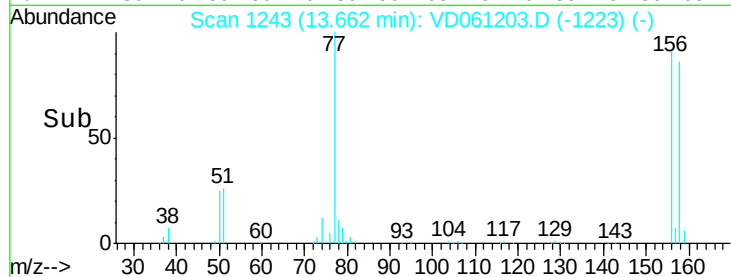
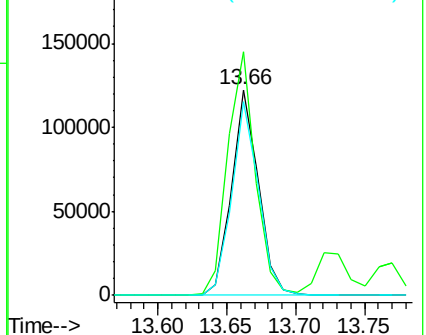
158 94.2 49.0 147.0



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: 21.117 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VD061203.D

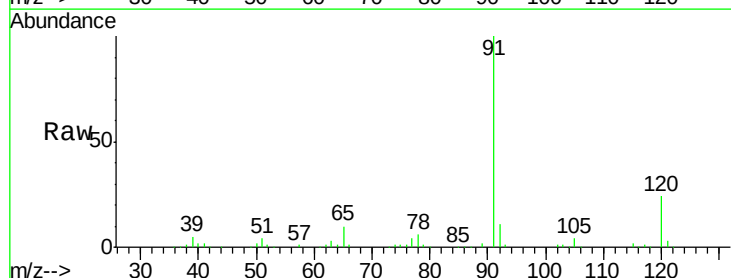
Acq: 20 Mar 2019 12:59

Tgt Ion: 91 Resp: 754780

Ion Ratio Lower Upper

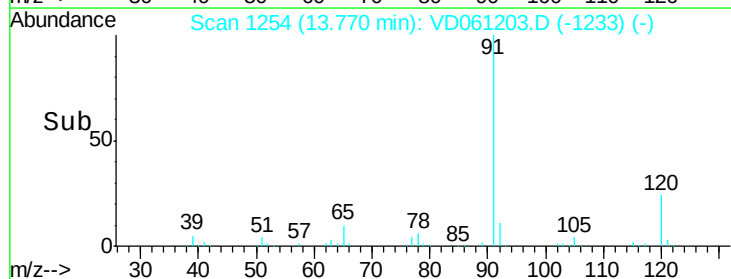
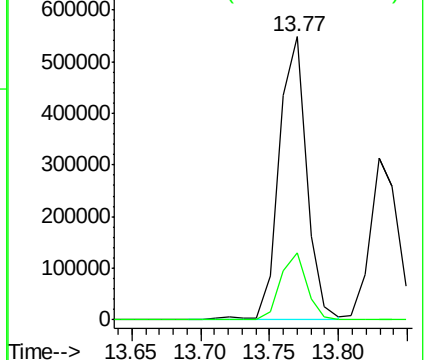
91 100

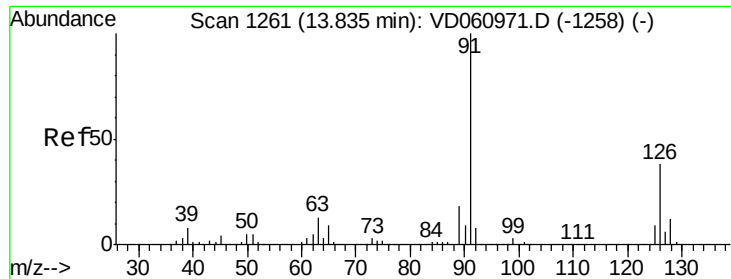
120 23.9 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 22.342 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

Instrument :

MSVOA_D

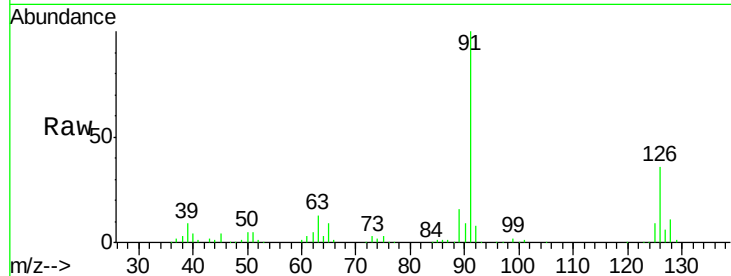
ClientSampleId :

Tot Ion: 91 Resp: 439634

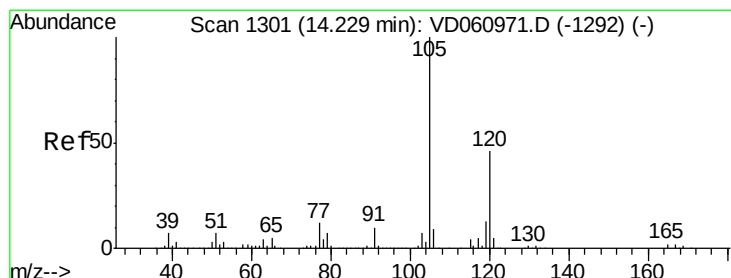
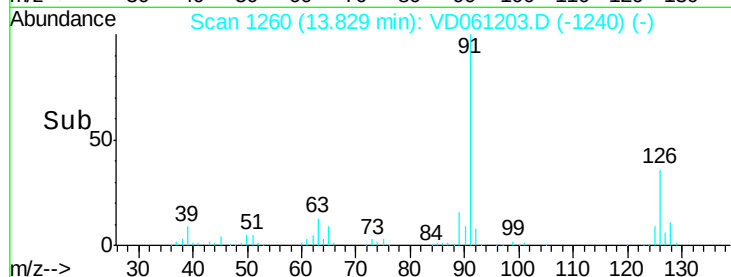
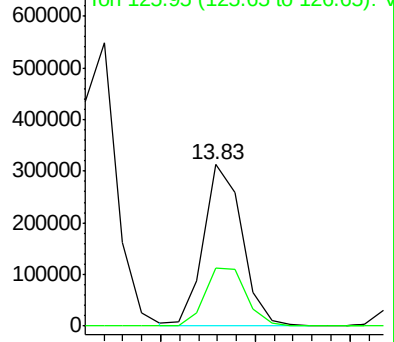
Ion Ratio Lower Upper

91 100

126 36.4 18.6 55.6



Abundance Ion 91.00 (90.70 to 91.70): VD060971.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.604 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD061203.D

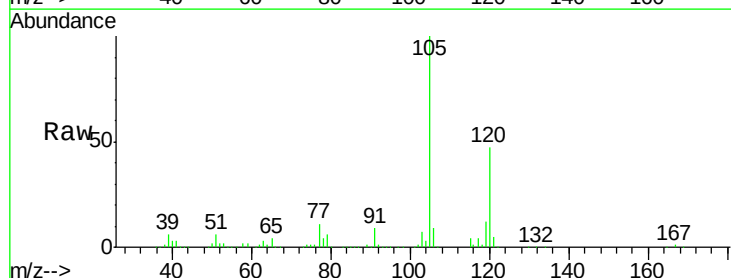
Acq: 20 Mar 2019 12:59

Tgt Ion: 105 Resp: 523922

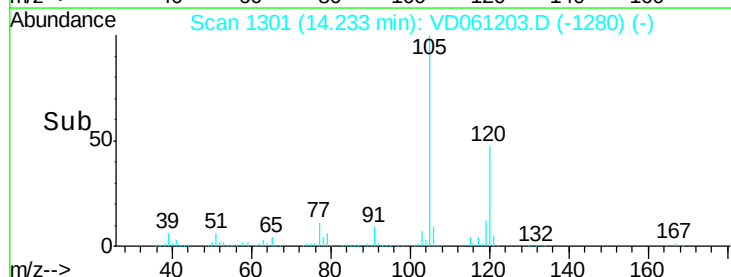
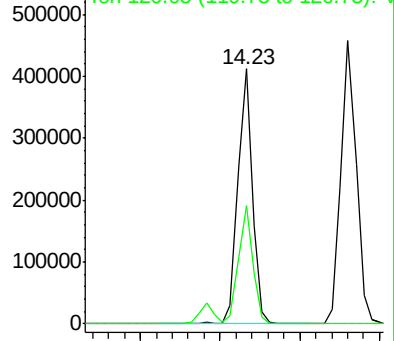
Ion Ratio Lower Upper

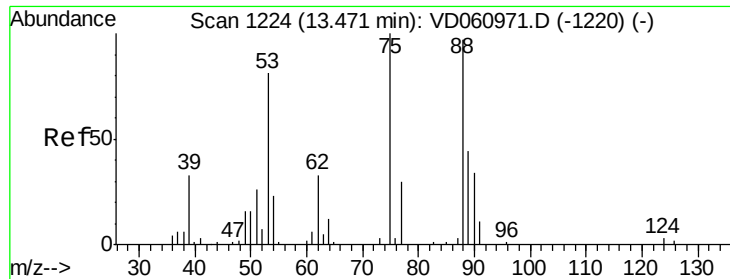
105 100

120 46.6 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): VD060971.D (-1292) (-)

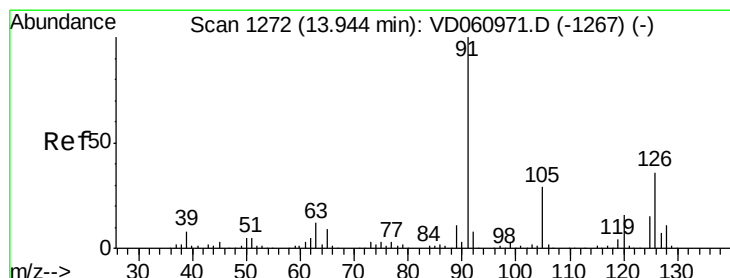
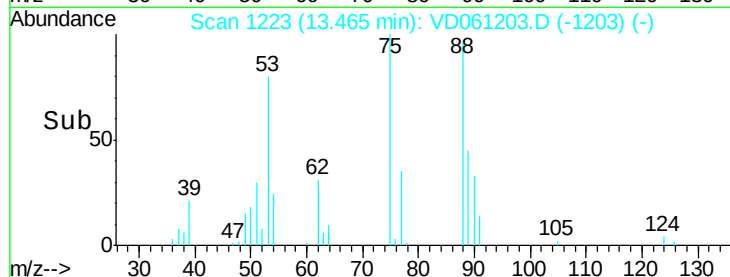
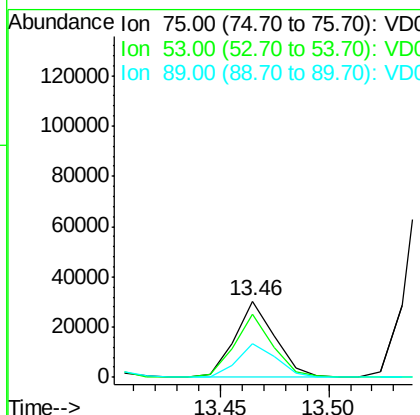
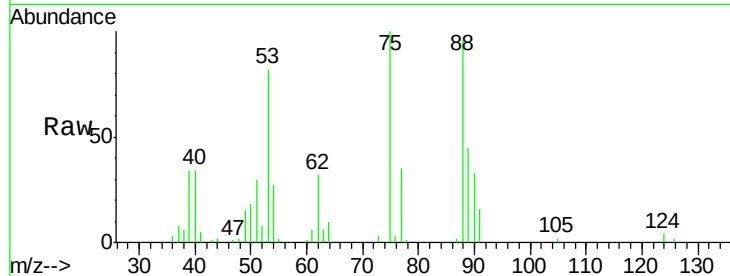




#81
trans-1,4-Dichloro-2-butene
Concen: 21.622 ug/l
RT: 13.46 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

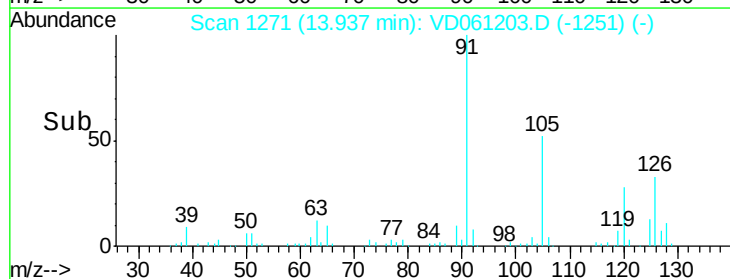
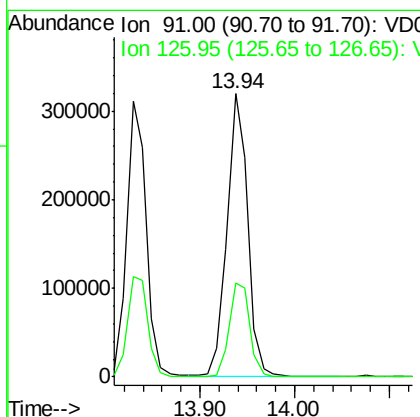
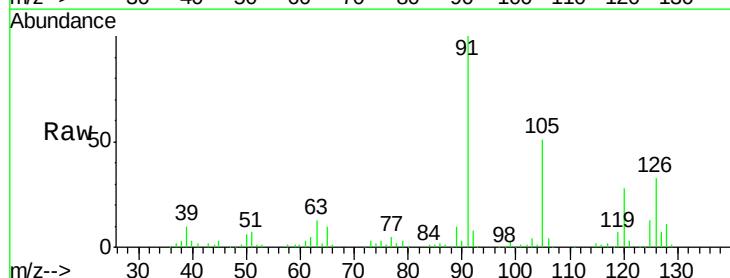
Instrument :
MSVOA_D
ClientSampled :

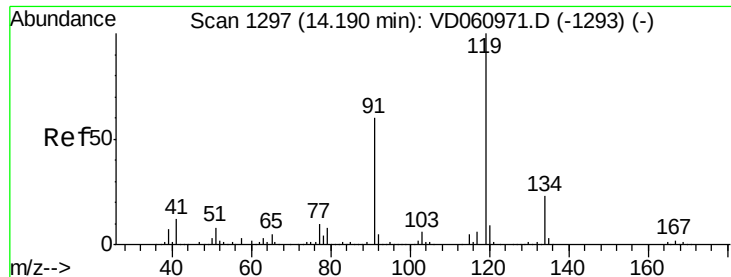
Tot Ion: 75 Resp: 38853
Ion Ratio Lower Upper
75 100
53 81.7 64.4 96.6
89 44.5 34.8 52.2



#82
4-Chlorotoluene
Concen: 20.656 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

Tgt Ion: 91 Resp: 480523
Ion Ratio Lower Upper
91 100
126 33.0 18.0 54.0





#83

tert-Butylbenzene

Concen: 23.354 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

Instrument :

MSVOA_D

ClientSampleId :

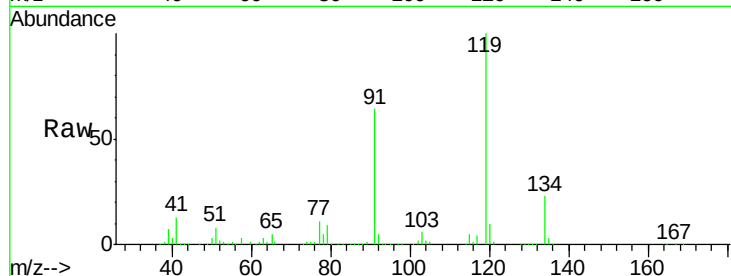
Tot Ion:119 Resp: 592396

Ion Ratio Lower Upper

119 100

91 63.8 30.1 90.3

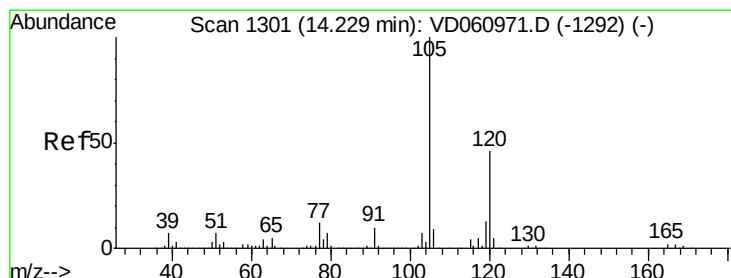
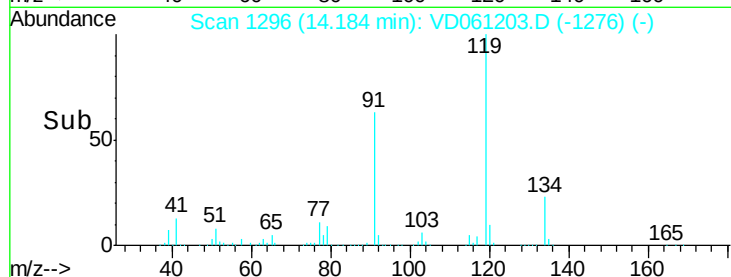
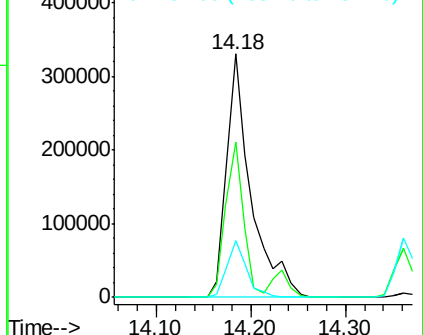
134 23.2 11.6 34.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.604 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VD061203.D

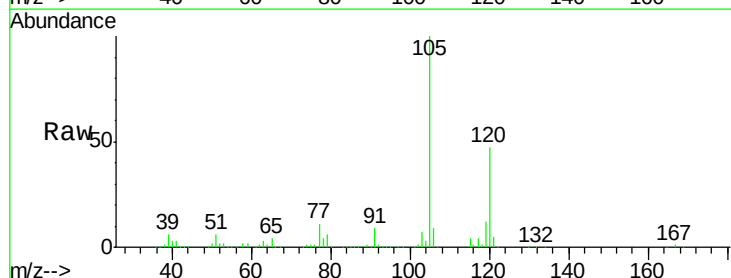
Acq: 20 Mar 2019 12:59

Tgt Ion:105 Resp: 523922

Ion Ratio Lower Upper

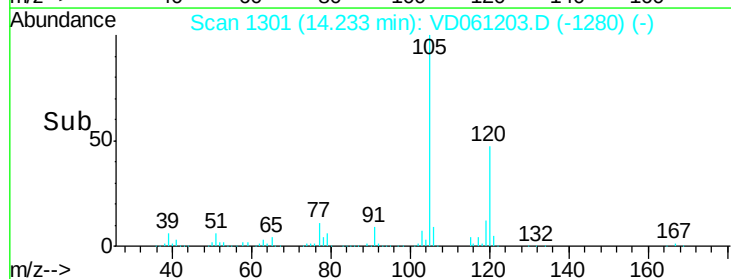
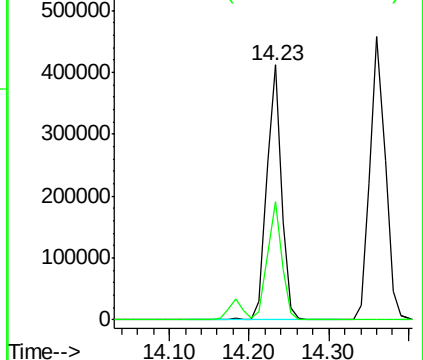
105 100

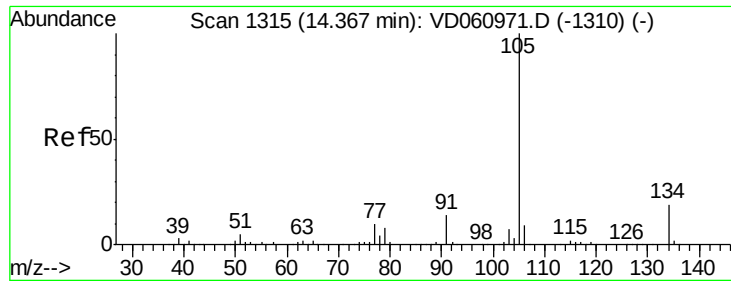
120 46.6 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 19.354 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

Instrument :

MSVOA_D

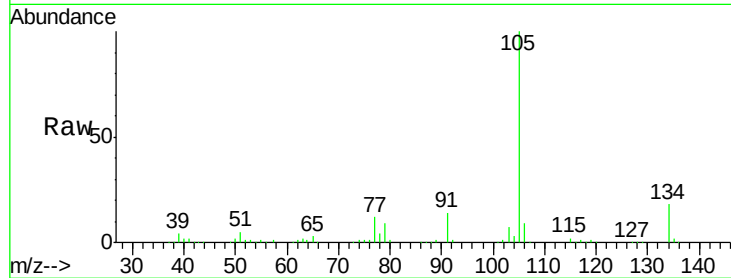
ClientSampled :

Tot Ion:105 Resp: 599329

Ion Ratio Lower Upper

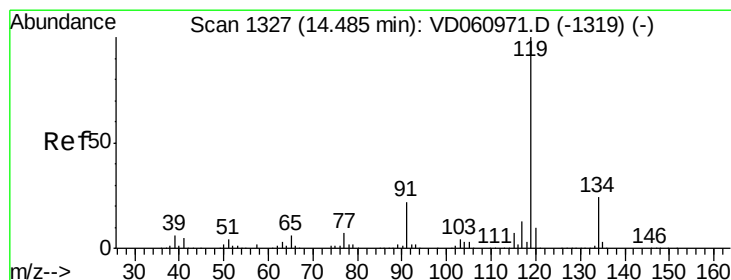
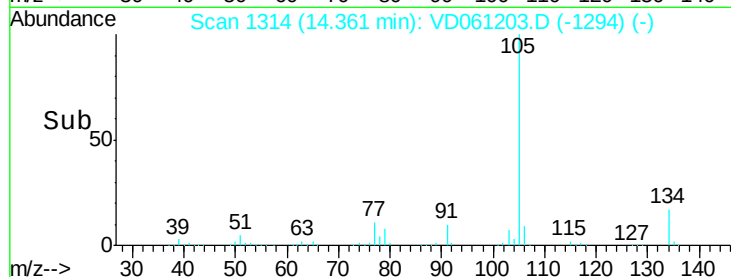
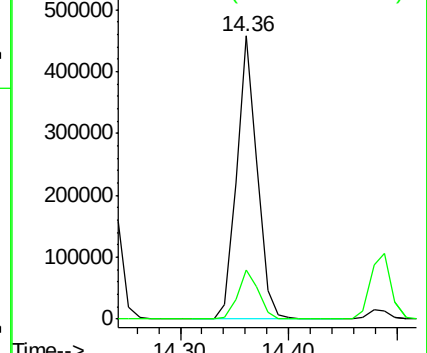
105 100

134 17.6 9.4 28.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V



#86

p-Isopropyltoluene

Concen: 22.944 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.00 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

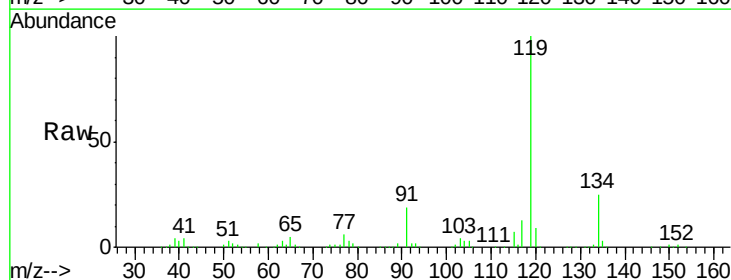
Tgt Ion:119 Resp: 580764

Ion Ratio Lower Upper

119 100

134 25.1 12.0 36.1

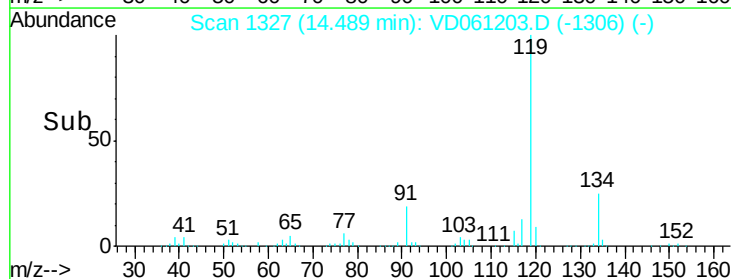
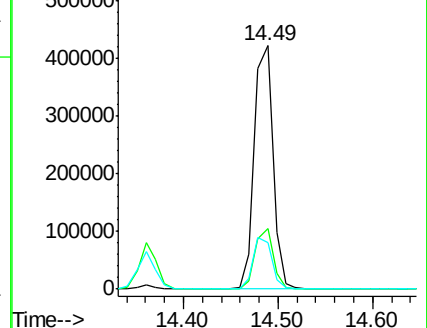
91 19.3 11.2 33.6

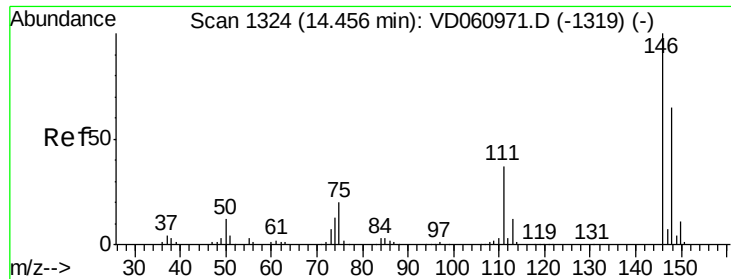


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

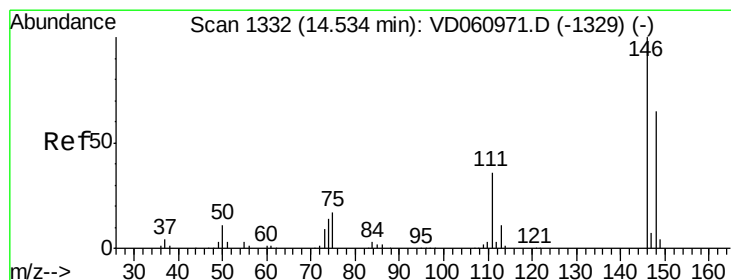
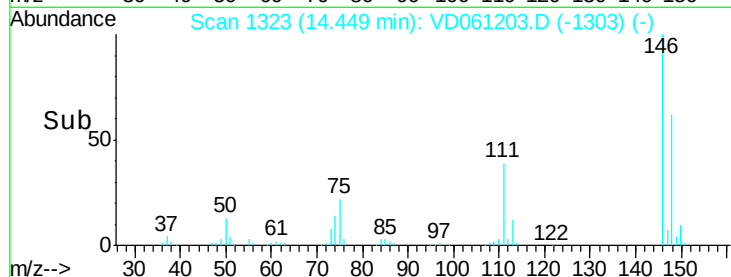
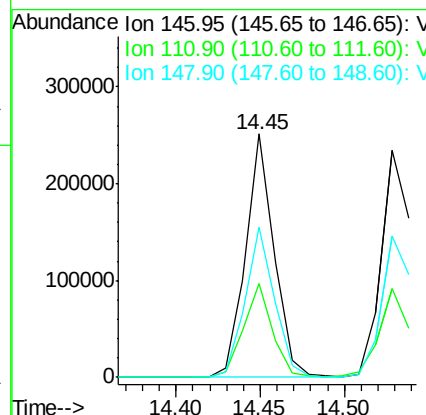
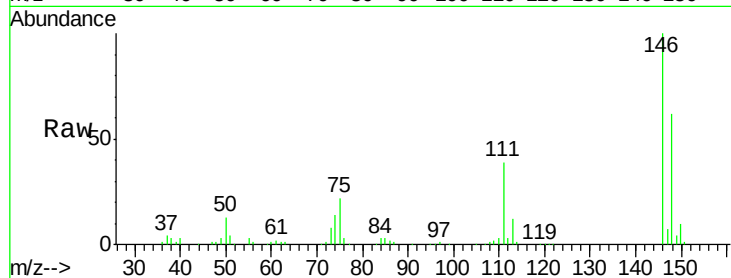




#87
 1,3-Dichlorobenzene
 Concen: 21.353 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.01 min
 Lab File: VD061203.D
 Acq: 20 Mar 2019 12:59

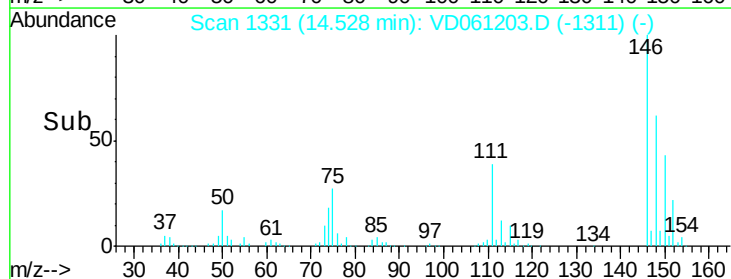
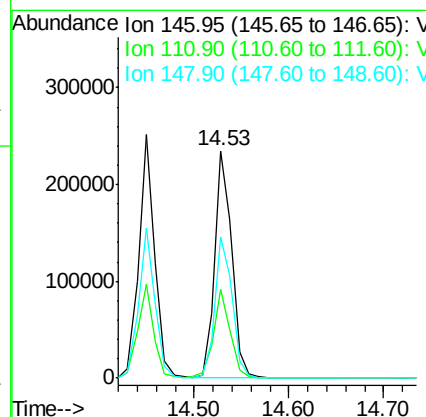
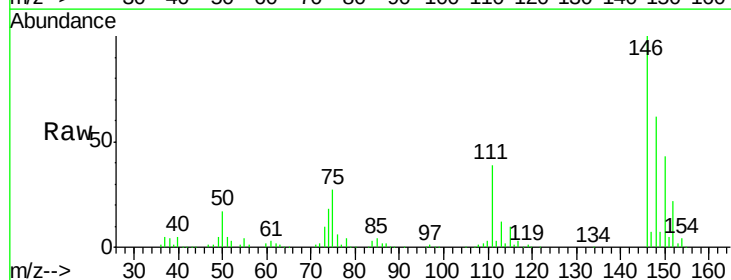
Instrument :
 MSVOA_D
 ClientSampleId :

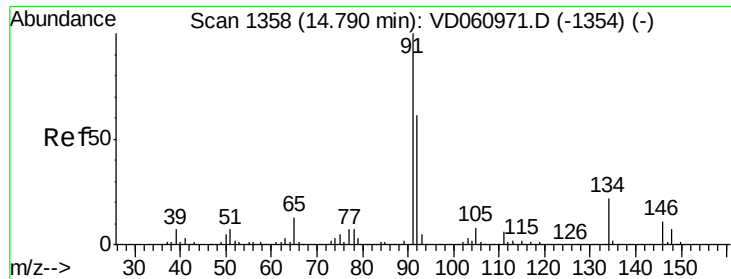
Tot Ion:146 Resp: 297163
 Ion Ratio Lower Upper
 146 100
 111 38.5 18.4 55.4
 148 61.6 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 21.884 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061203.D
 Acq: 20 Mar 2019 12:59

Tgt Ion:146 Resp: 299279
 Ion Ratio Lower Upper
 146 100
 111 39.3 18.4 55.2
 148 62.3 32.5 97.5





#89

n-Butylbenzene

Concen: 20.317 ug/l

RT: 14.79 min Scan# 1358

Delta R.T. 0.00 min

Lab File: VD061203.D

Acq: 20 Mar 2019 12:59

Instrument :

MSVOA_D

ClientSampled :

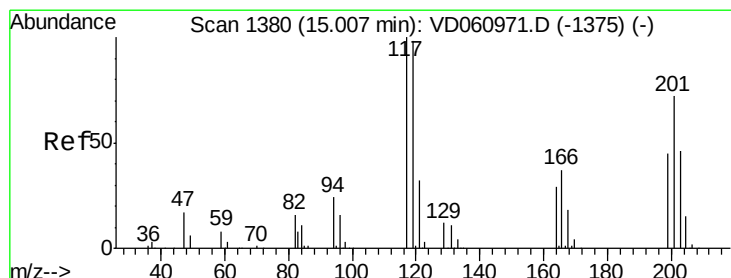
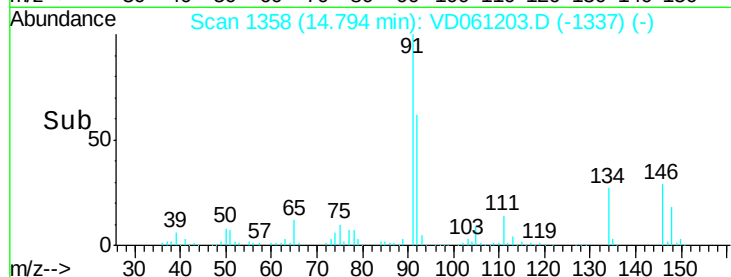
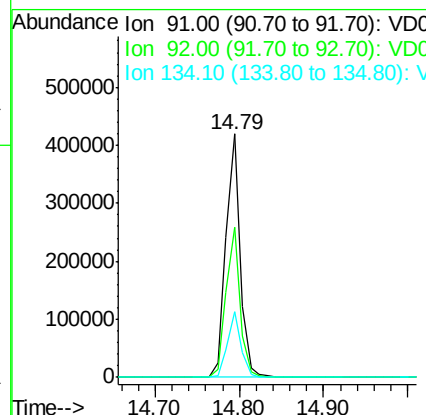
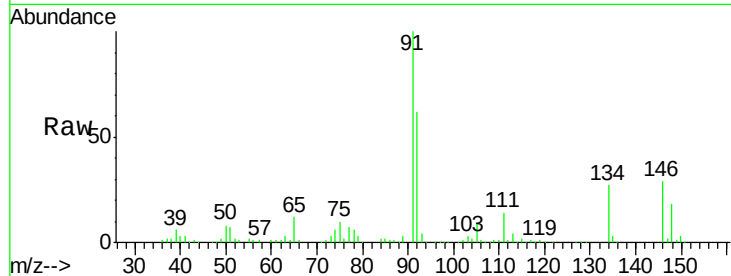
Tot Ion: 91 Resp: 493858

Ion Ratio Lower Upper

91 100

92 61.7 30.6 91.8

134 26.9 11.0 33.0



#90

Hexachloroethane

Concen: 22.112 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.01 min

Lab File: VD061203.D

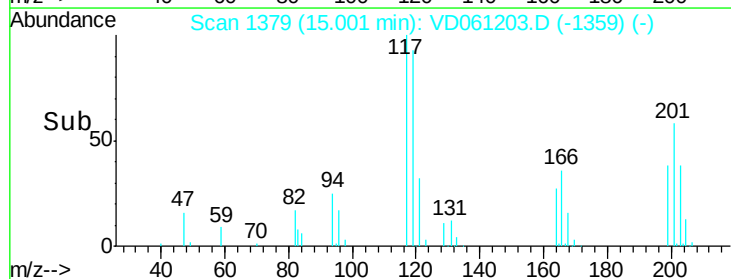
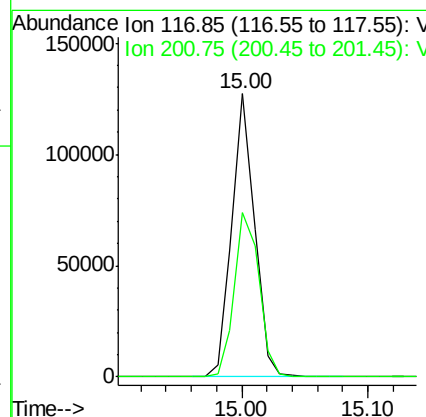
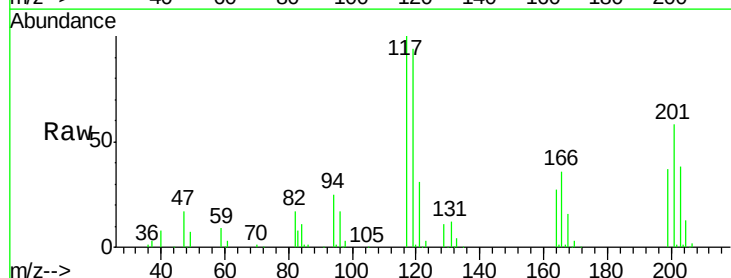
Acq: 20 Mar 2019 12:59

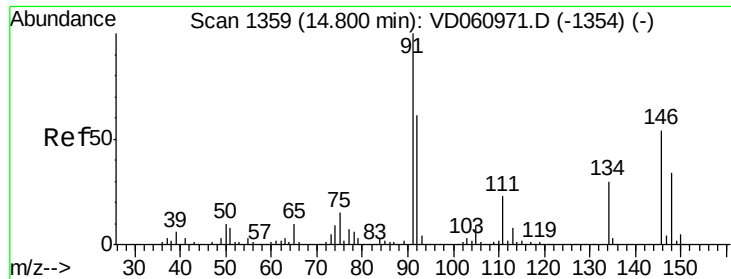
Tgt Ion: 117 Resp: 158044

Ion Ratio Lower Upper

117 100

201 57.9 36.2 108.6

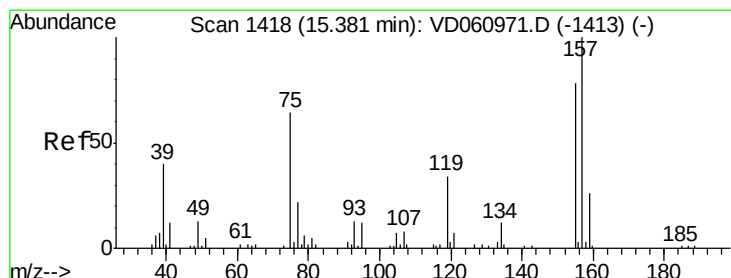
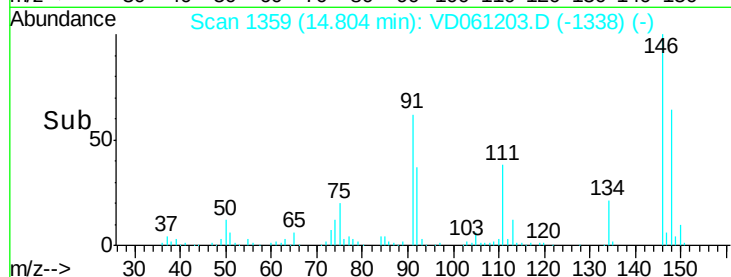
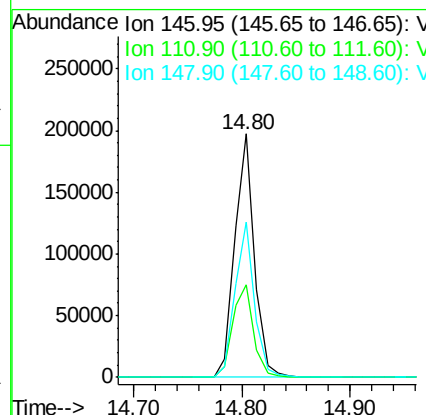
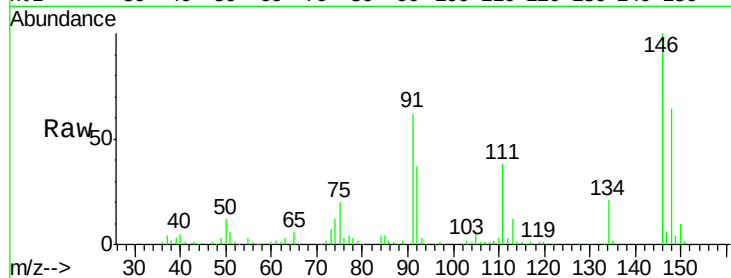




#91
 1,2-Dichlorobenzene
 Concen: 21.515 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061203.D
 Acq: 20 Mar 2019 12:59

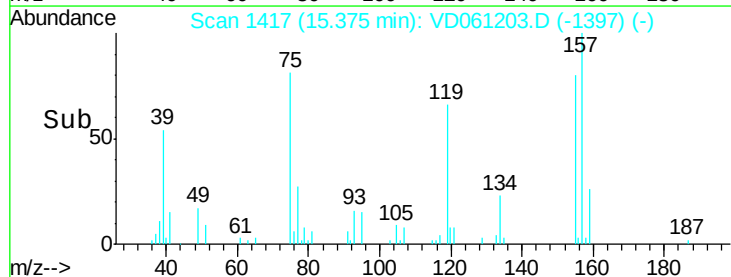
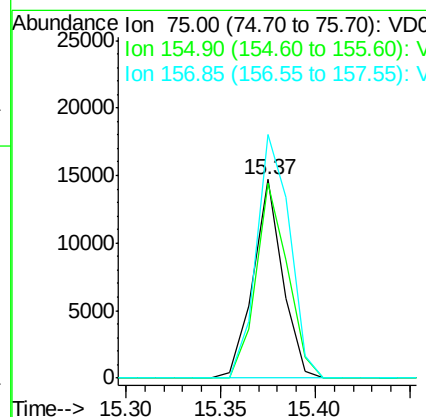
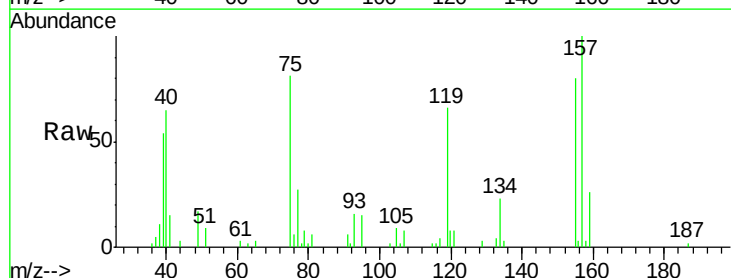
Instrument :
 MSVOA_D
 ClientSampleId :

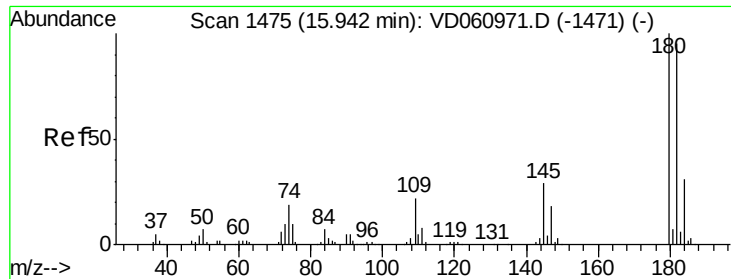
Tot Ion:146 Resp: 249617
 Ion Ratio Lower Upper
 146 100
 111 38.1 21.5 64.5
 148 63.8 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.053 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD061203.D
 Acq: 20 Mar 2019 12:59

Tgt Ion: 75 Resp: 15830
 Ion Ratio Lower Upper
 75 100
 155 98.4 61.2 183.5
 157 122.8 78.3 234.8

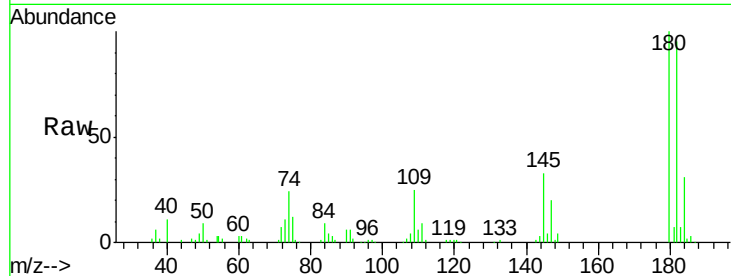




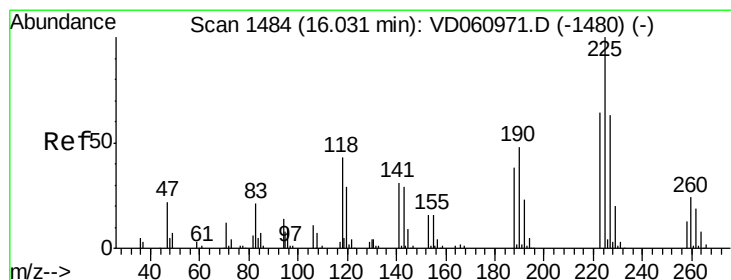
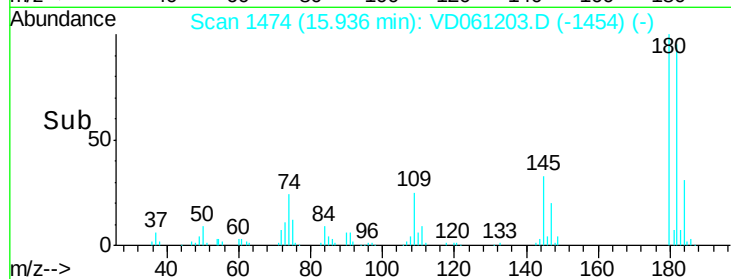
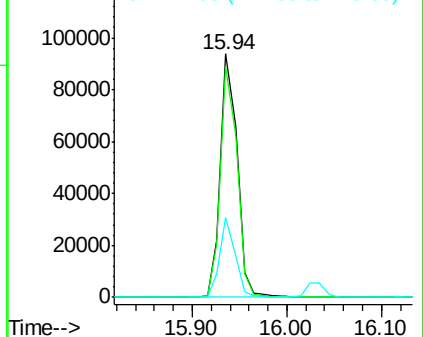
#93
 1,2,4-Trichlorobenzene
 Concen: 21.579 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061203.D
 Acq: 20 Mar 2019 12:59

Instrument :
 MSVOA_D
 ClientSampleId :

Tot Ion:180 Resp: 116139
 Ion Ratio Lower Upper
 180 100
 182 94.9 47.3 142.0
 145 32.6 14.4 43.0

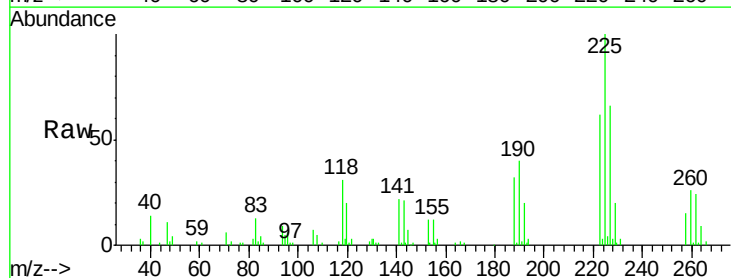


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

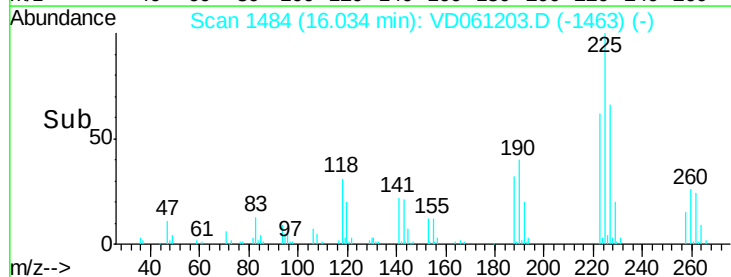
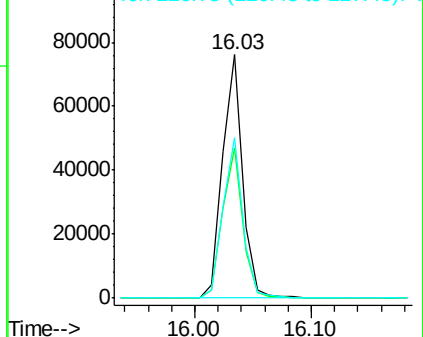


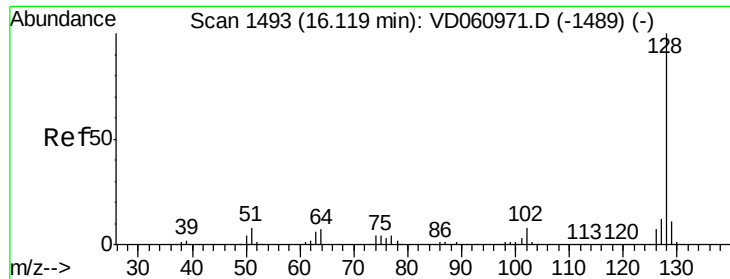
#94
 Hexachlorobutadiene
 Concen: 22.144 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. 0.00 min
 Lab File: VD061203.D
 Acq: 20 Mar 2019 12:59

Tgt Ion:225 Resp: 90145
 Ion Ratio Lower Upper
 225 100
 223 61.6 31.8 95.3
 227 65.6 31.4 94.0



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

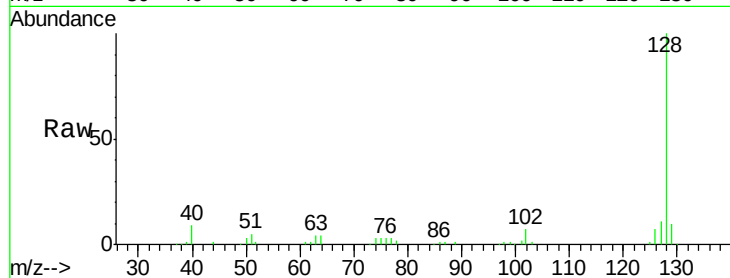




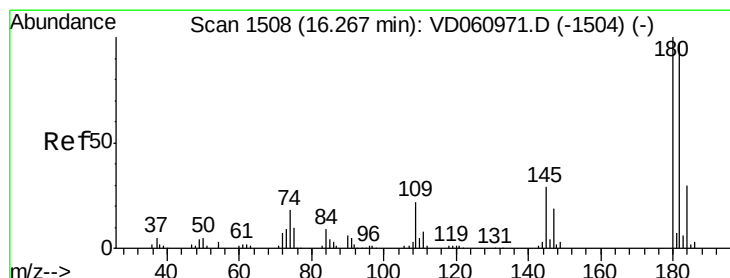
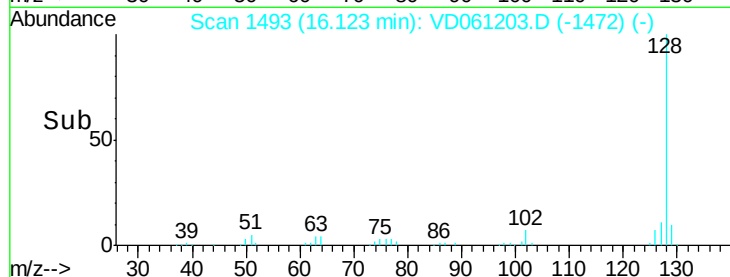
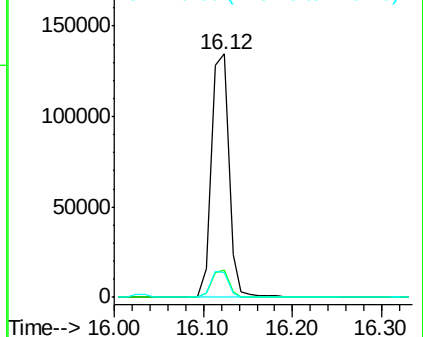
#95
Naphthalene
Concen: 22.490 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

Instrument :
MSVOA_D
ClientSampleId :

Tot Ion:128 Resp: 183942
Ion Ratio Lower Upper
128 100
127 11.4 9.8 14.8
129 10.4 8.5 12.7

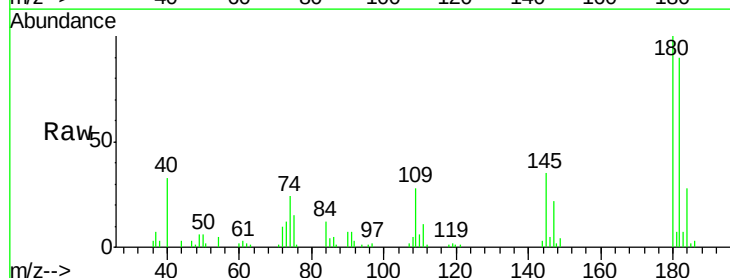


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.075 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD061203.D
Acq: 20 Mar 2019 12:59

Tgt Ion:180 Resp: 48048
Ion Ratio Lower Upper
180 100
182 89.9 48.6 145.8
145 34.8 14.3 42.9



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

