

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031219\
 Data File : VD061021.D
 Acq On : 12 Mar 2019 13:51
 Operator : VA/AP
 Sample : VD0312SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBS01

Quant Time: Mar 13 04:07:09 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	7.05	168	717316	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1265969	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	1079444	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	435488	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	270390	45.29	ug/l	0.00
Spiked Amount			Recovery	=	90.58%	
35) Dibromofluoromethane	6.92	113	432363	46.02	ug/l	0.00
Spiked Amount			Recovery	=	92.04%	
50) Toluene-d8	10.40	98	1076074	45.61	ug/l	0.00
Spiked Amount			Recovery	=	91.22%	
62) 4-Bromofluorobenzene	13.56	95	389992	42.60	ug/l	0.00
Spiked Amount			Recovery	=	85.20%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	159730	22.480	ug/l	98
3) Chloromethane	1.75	50	130748	22.089	ug/l	98
4) Vinyl Chloride	1.85	62	124341	22.734	ug/l	100
5) Bromomethane	2.15	94	18984	16.910	ug/l	90
6) Chloroethane	2.25	64	34068	20.810	ug/l	91
7) Trichlorofluoromethane	2.53	101	161765	20.588	ug/l	96
8) Diethyl Ether	2.87	74	55363	21.359	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.15	101	193065	21.979	ug/l	96
10) Methyl Iodide	3.31	142	233219	21.081	ug/l	98
11) Tert butyl alcohol	4.06	59	44996	118.375	ug/l #	94
12) 1,1-Dichloroethene	3.13	96	162624	22.585	ug/l	86
13) Acrolein	3.03	56	49024	89.136	ug/l	95
14) Allyl chloride	3.61	41	235196	20.415	ug/l	99
15) Acrylonitrile	4.19	53	147921	110.106	ug/l	97
16) Acetone	3.22	43	219173	128.366	ug/l	94
17) Carbon Disulfide	3.38	76	496542	20.443	ug/l	99
18) Methyl Acetate	3.63	43	63640	18.940	ug/l #	88
19) Methyl tert-butyl Ether	4.23	73	276859	21.940	ug/l	98
20) Methylene Chloride	3.81	84	184290	20.964	ug/l	97
21) trans-1,2-Dichloroethene	4.21	96	172328	22.112	ug/l	96
22) Diisopropyl ether	5.12	45	491189	20.538	ug/l	98
23) Vinyl Acetate	5.05	43	1307643	106.512	ug/l	100
24) 1,1-Dichloroethane	4.98	63	278862	21.282	ug/l	99
25) 2-Butanone	6.06	43	203799	105.190	ug/l	99
26) 2,2-Dichloropropane	6.02	77	219290	21.438	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	183957	22.247	ug/l	95
28) Bromochloromethane	6.44	49	103783	18.709	ug/l	97
29) Tetrahydrofuran	6.45	42	105029	99.835	ug/l	97
30) Chloroform	6.66	83	289125	21.290	ug/l	98
31) Cyclohexane	6.95	56	232282	21.985	ug/l	98
32) 1,1,1-Trichloroethane	6.87	97	243782	20.763	ug/l	98
36) 1,1-Dichloropropene	7.15	75	211193	19.353	ug/l	99
37) Ethyl Acetate	6.18	43	98103	19.158	ug/l	98
38) Carbon Tetrachloride	7.11	117	232873	19.373	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	223692	19.769	ug/l	98
40) Benzene	7.45	78	560611	20.560	ug/l	98
41) Methacrylonitrile	6.44	41	116466	19.773	ug/l	98
42) 1,2-Dichloroethane	7.57	62	161703	20.435	ug/l	95
43) Isopropyl Acetate	9.23	43	137902	19.443	ug/l #	97
44) Trichloroethene	8.53	130	197020	20.944	ug/l	93
45) 1,2-Dichloropropane	8.94	63	147993	20.659	ug/l	98
46) Dibromomethane	9.06	93	87318	19.215	ug/l	95
47) Bromodichloromethane	9.37	83	207336	20.219	ug/l	95
48) Methyl methacrylate	9.12	41	82155	20.573	ug/l	99
49) 1,4-Dioxane	9.08	88	16552	409.905	ug/l #	96
51) 4-Methyl-2-Pentanone	10.30	43	438232	100.857	ug/l	99
52) Toluene	10.50	92	331135	19.529	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	199004	21.224	ug/l	98
54) cis-1,3-Dichloropropene	10.04	75	228195	20.255	ug/l	98
55) 1,1,2-Trichloroethane	11.18	97	117262	20.766	ug/l	97
56) Ethyl methacrylate	11.04	69	112326	19.005	ug/l	99
57) 1,3-Dichloropropane	11.41	76	174963	20.734	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	299128	95.612	ug/l	99
59) 2-Hexanone	11.53	43	346614	109.053	ug/l	99
60) Dibromochloromethane	11.68	129	162603	19.566	ug/l	99
61) 1,2-Dibromoethane	11.80	107	131267	19.984	ug/l	98
64) Tetrachloroethene	11.25	164	146672	20.129	ug/l	93
65) Chlorobenzene	12.39	112	447067	21.126	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	158212	20.974	ug/l	96
67) Ethyl Benzene	12.52	91	643958	20.440	ug/l	100
68) m/p-Xylenes	12.67	106	504861	40.829	ug/l	100
69) o-Xylene	13.04	106	234982	19.333	ug/l	94
70) Styrene	13.07	104	386222	19.460	ug/l	98
71) Bromoform	13.23	173	97445	20.025	ug/l	95
73) Isopropylbenzene	13.40	105	702261	22.376	ug/l	99
74) N-amyl acetate	13.26	43	179863	20.353	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.69	83	124511	20.334	ug/l	93
76) 1,2,3-Trichloropropane	13.73	75	135344	21.602	ug/l	96
77) Bromobenzene	13.66	156	182055	22.724	ug/l	84
78) n-propylbenzene	13.77	91	848538	23.095	ug/l	96
79) 2-Chlorotoluene	13.84	91	438593	21.683	ug/l	96
80) 1,3,5-Trimethylbenzene	14.23	105	526745	22.108	ug/l	100
81) trans-1,4-Dichloro-2-buten	13.47	75	40184	21.755	ug/l	100
82) 4-Chlorotoluene	13.95	91	495203	20.708	ug/l	96
83) tert-Butylbenzene	14.19	119	623230	23.902	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	526745	22.108	ug/l	100
85) sec-Butylbenzene	14.36	105	725201	22.782	ug/l	97
86) p-Isopropyltoluene	14.49	119	620155	23.834	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	333150	23.288	ug/l	96
88) 1,4-Dichlorobenzene	14.54	146	304149	21.635	ug/l	98
89) n-Butylbenzene	14.80	91	535507	21.431	ug/l	98
90) Hexachloroethane	15.00	117	157163	21.391	ug/l	75
91) 1,2-Dichlorobenzene	14.81	146	269194	22.572	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	14812	20.073	ug/l	67

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

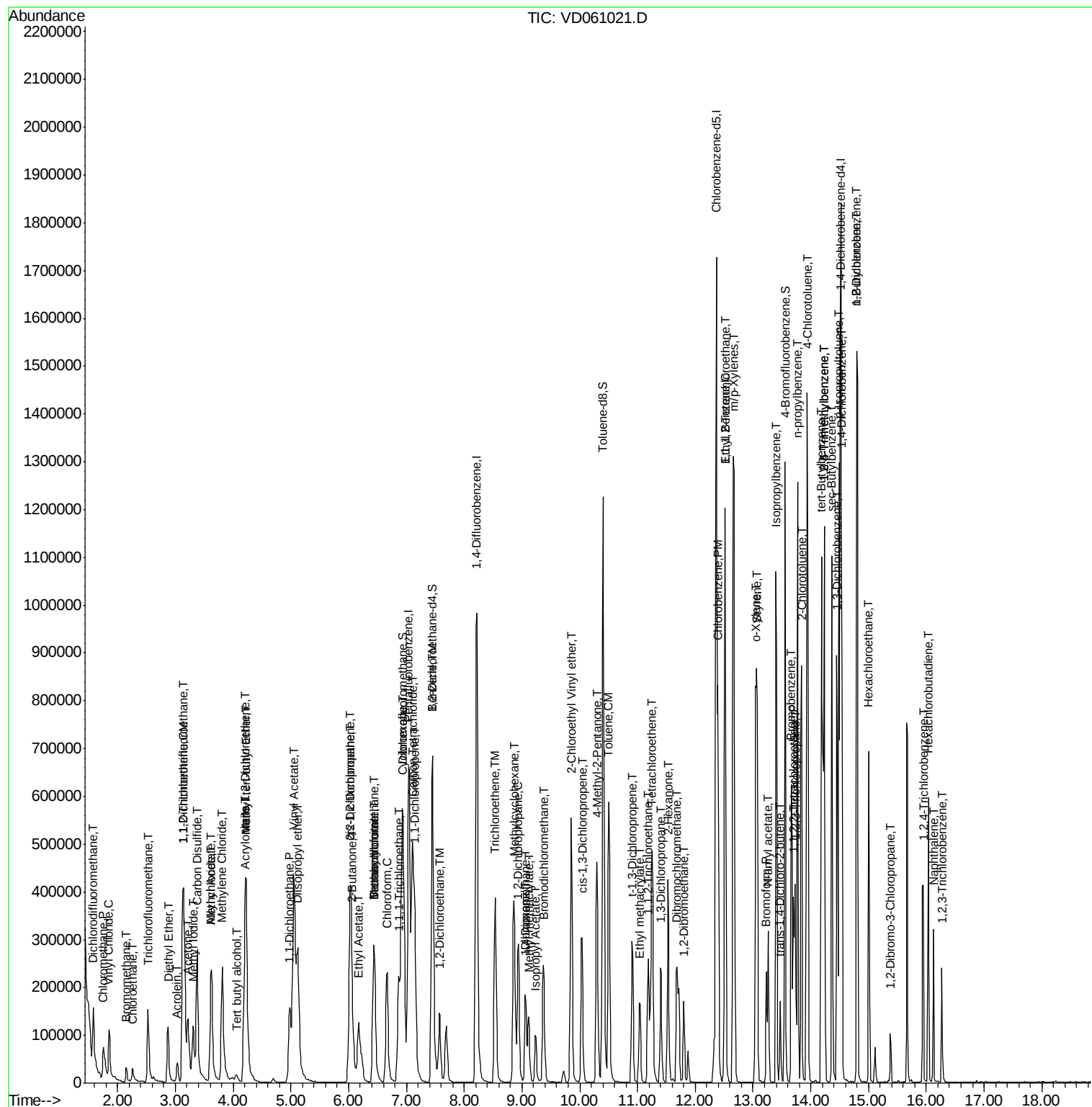
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	121946	22.042	ug/l	98
94) Hexachlorobutadiene	16.04	225	91953	21.973	ug/l	98
95) Naphthalene	16.12	128	198139	23.567	ug/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	62209	22.766	ug/l	97

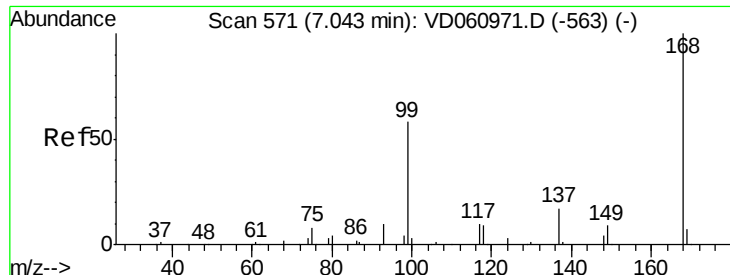
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Misc : 5.00µl/5ml/MSVOA D/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
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ClientSampleID :
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Quant Time: Mar 13 04:07:09 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: 7.05 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

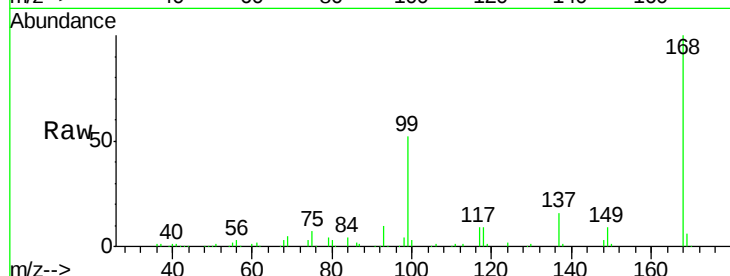
VD0312SBS01

Tot Ion:168 Resp: 717316

Ion Ratio Lower Upper

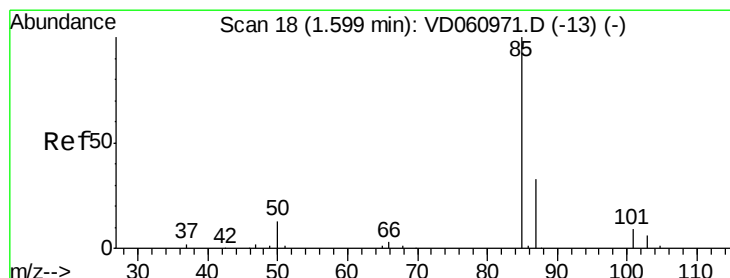
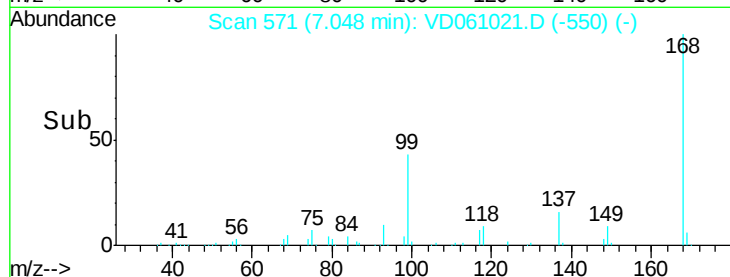
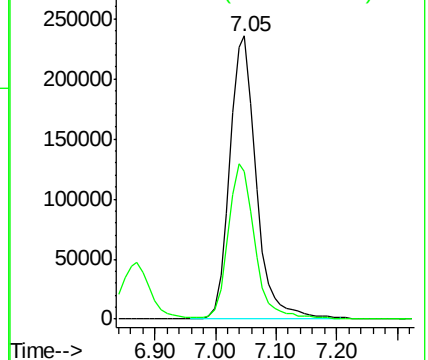
168 100

99 52.1 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: 22.480 ug/l

RT: 1.57 min Scan# 15

Delta R.T. -0.02 min

Lab File: VD061021.D

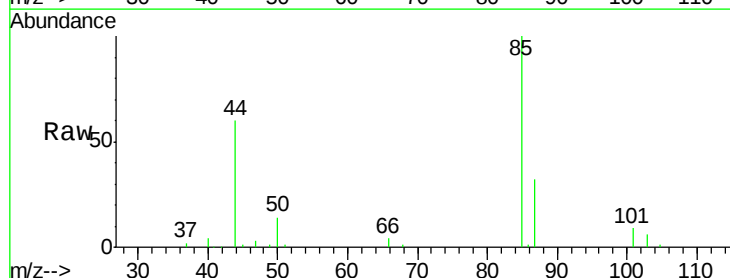
Acq: 12 Mar 2019 13:51

Tgt Ion: 85 Resp: 159730

Ion Ratio Lower Upper

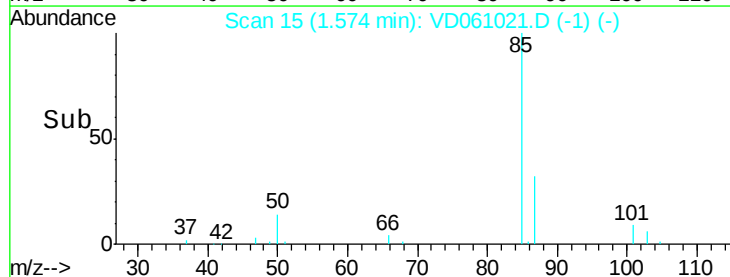
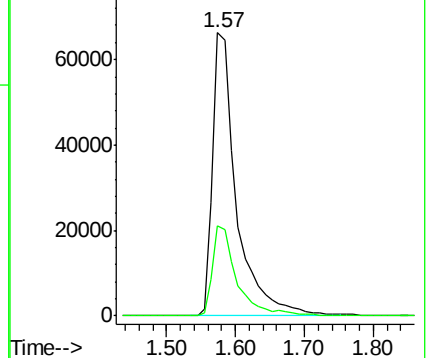
85 100

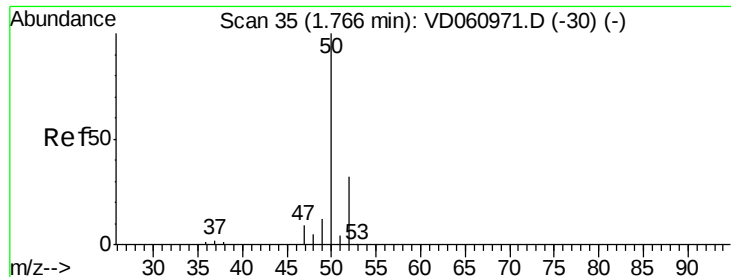
87 31.8 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.089 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.01 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

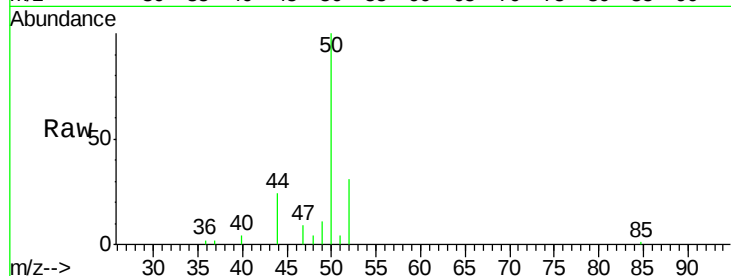
VD0312SBSD01

Tot Ion: 50 Resp: 130748

Ion Ratio Lower Upper

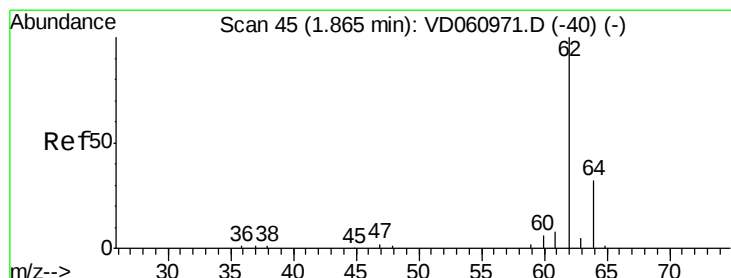
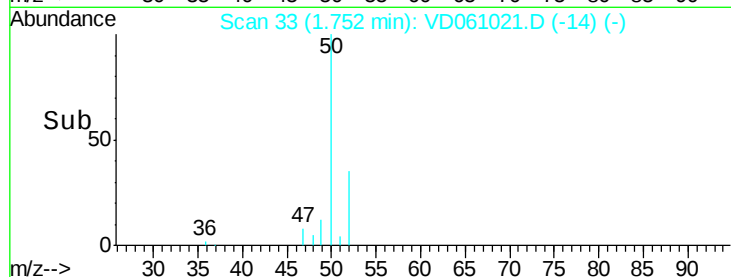
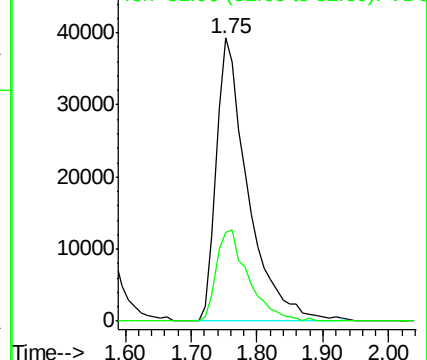
50 100

52 31.2 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.734 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.01 min

Lab File: VD061021.D

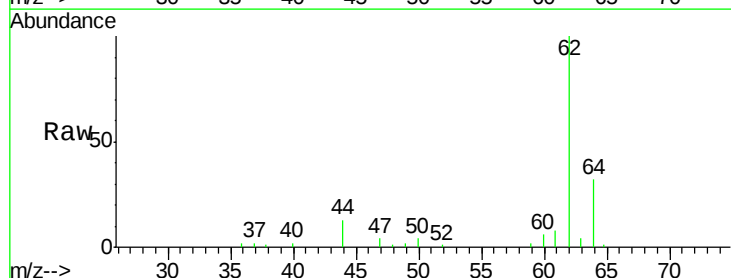
Acq: 12 Mar 2019 13:51

Tgt Ion: 62 Resp: 124341

Ion Ratio Lower Upper

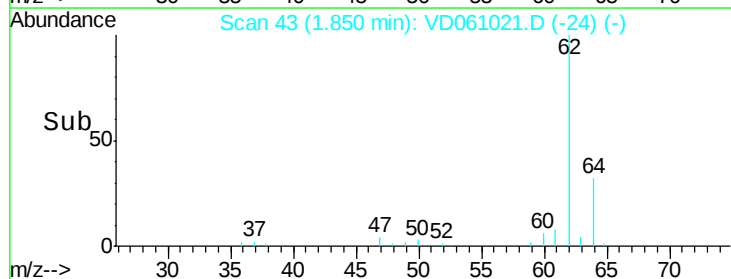
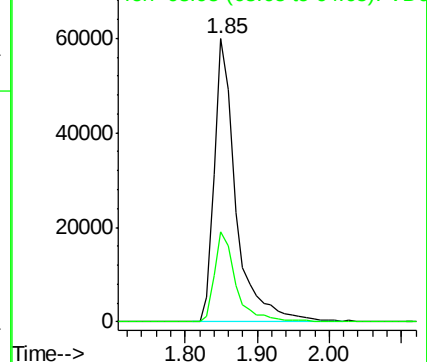
62 100

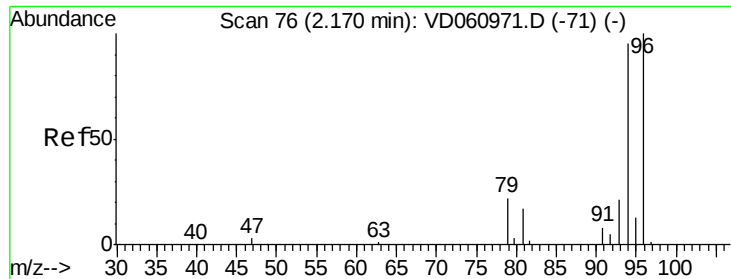
64 31.7 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 16.910 ug/l

RT: 2.15 min Scan# 73

Delta R.T. -0.02 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

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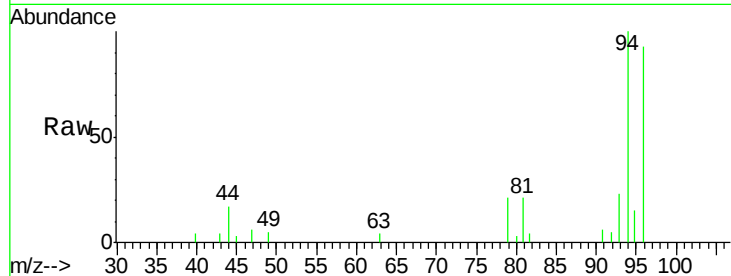
Tot Ion: 94 Resp: 18984

Ion Ratio Lower Upper

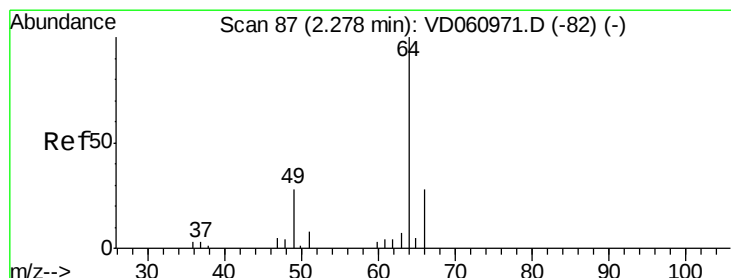
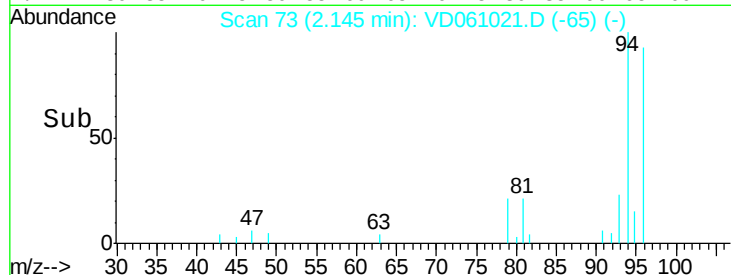
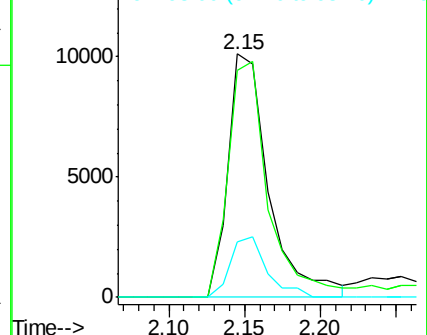
94 100

96 93.4 84.0 126.0

93 23.0 17.3 25.9



Abundance Ion 94.00 (93.70 to 94.70): VDC
Ion 96.00 (95.70 to 96.70): VDC
Ion 93.00 (92.70 to 93.70): VDC



#6

Chloroethane

Concen: 20.810 ug/l

RT: 2.25 min Scan# 84

Delta R.T. -0.02 min

Lab File: VD061021.D

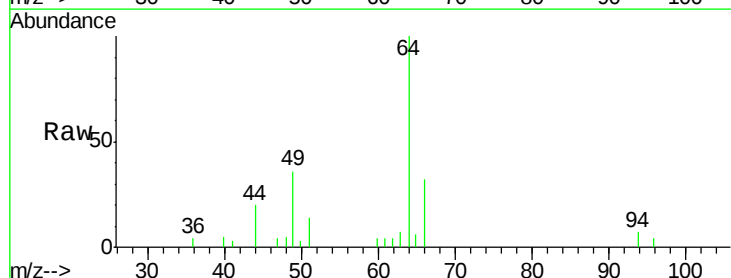
Acq: 12 Mar 2019 13:51

Tgt Ion: 64 Resp: 34068

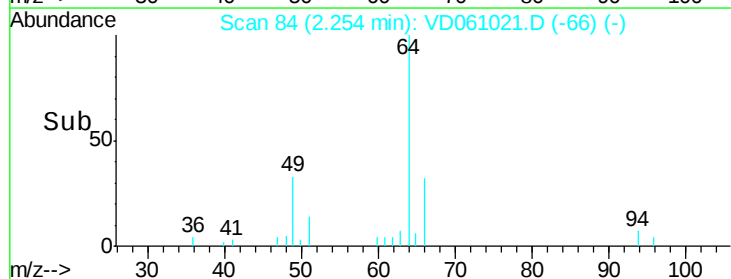
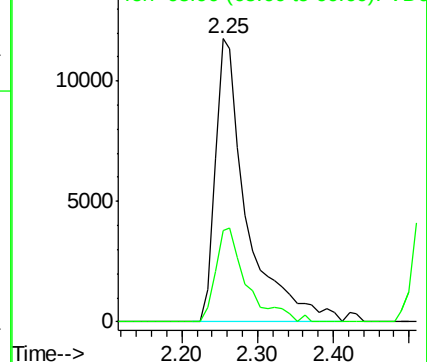
Ion Ratio Lower Upper

64 100

66 32.2 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC
Ion 65.90 (65.60 to 66.60): VDC



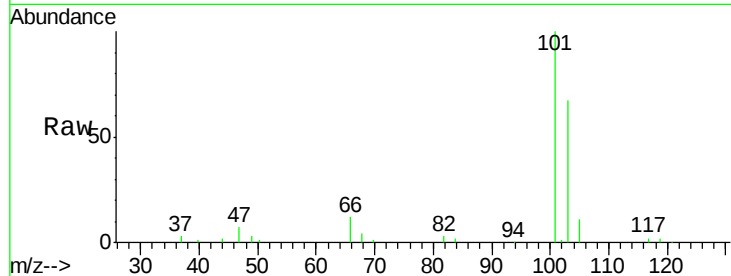


#7

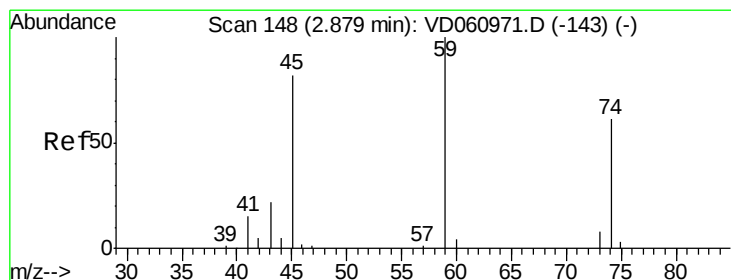
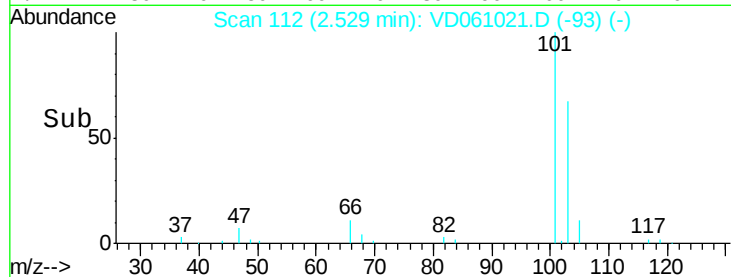
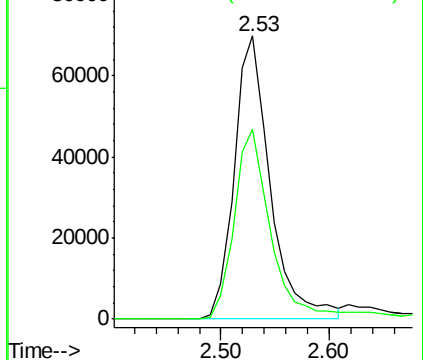
Trichlorofluoromethane
 Concen: 20.588 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.01 min
 Lab File: VD061021.D
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Instrument :
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Tot Ion:101 Resp: 161765
 Ion Ratio Lower Upper
 101 100
 103 66.9 51.2 76.8



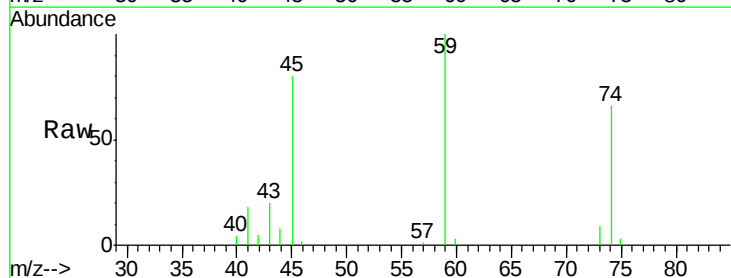
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



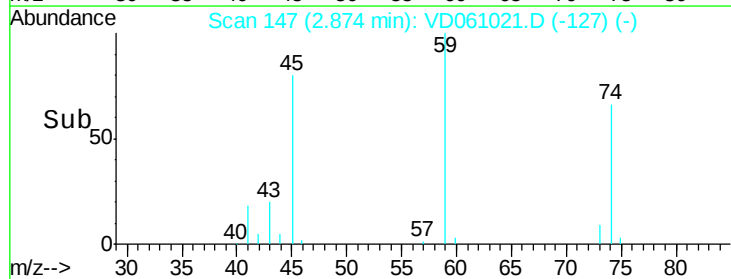
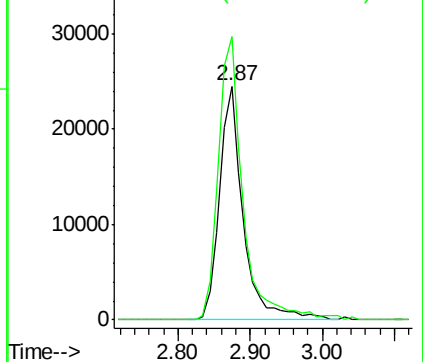
#8

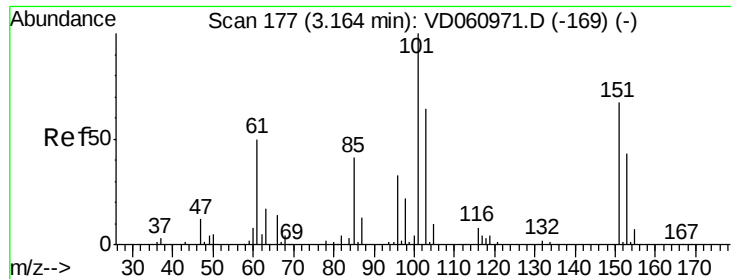
Diethyl Ether
 Concen: 21.359 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.00 min
 Lab File: VD061021.D
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Tgt Ion: 74 Resp: 55363
 Ion Ratio Lower Upper
 74 100
 45 121.1 67.0 201.1



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.979 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.01 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

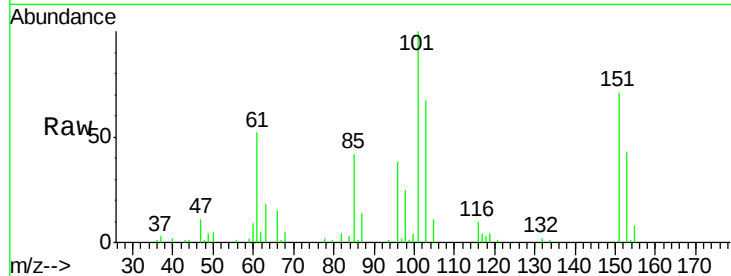
Tot Ion:101 Resp: 193065

Ion Ratio Lower Upper

101 100

85 41.6 32.5 48.7

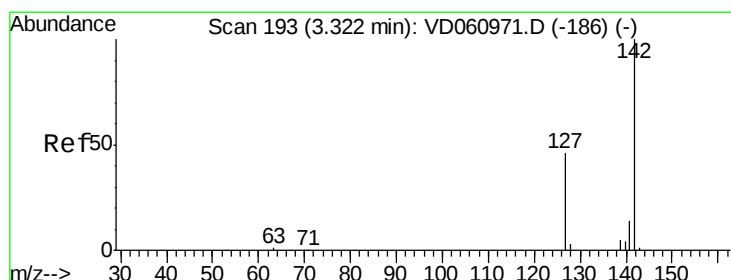
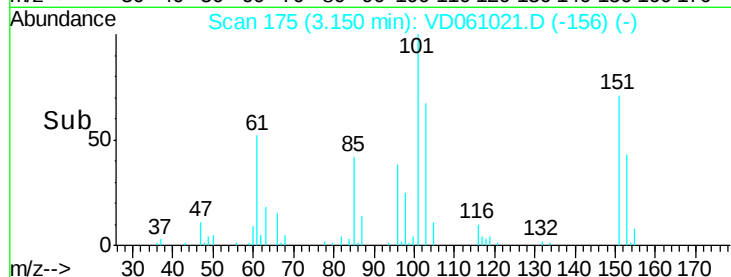
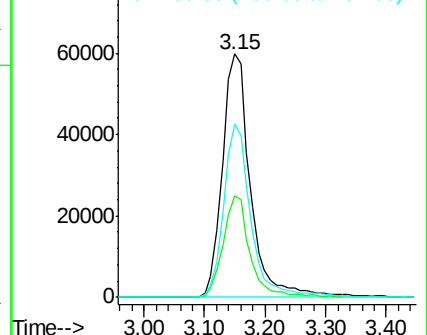
151 71.1 53.3 79.9



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: 21.081 ug/l

RT: 3.31 min Scan# 191

Delta R.T. -0.01 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

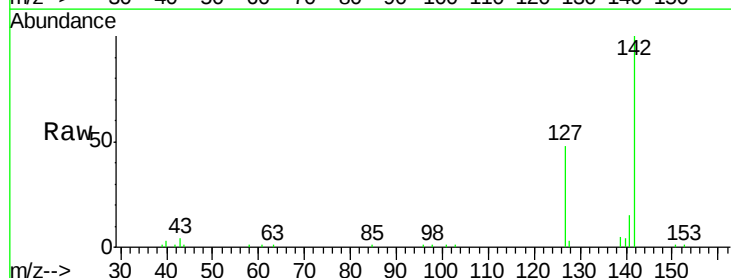
Tgt Ion:142 Resp: 233219

Ion Ratio Lower Upper

142 100

127 47.7 36.8 55.2

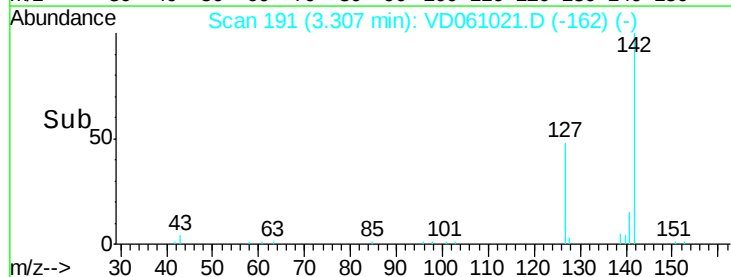
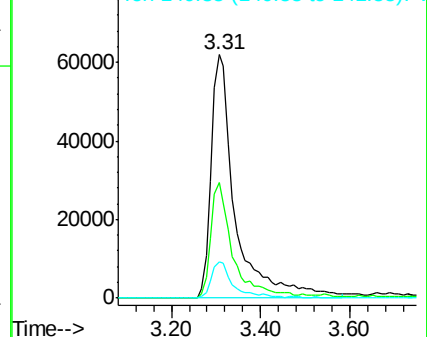
141 14.7 11.2 16.8

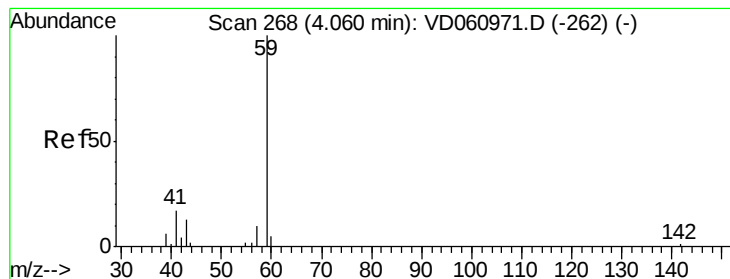


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



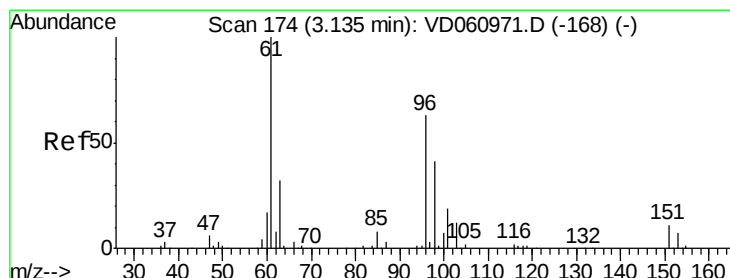
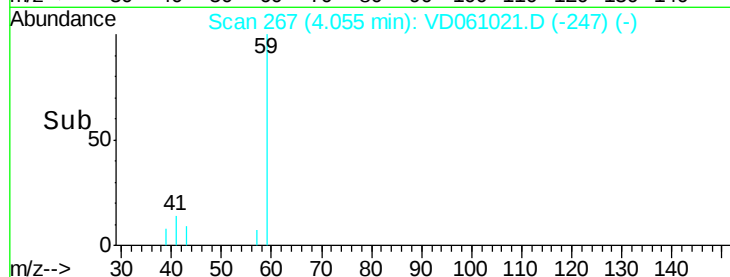
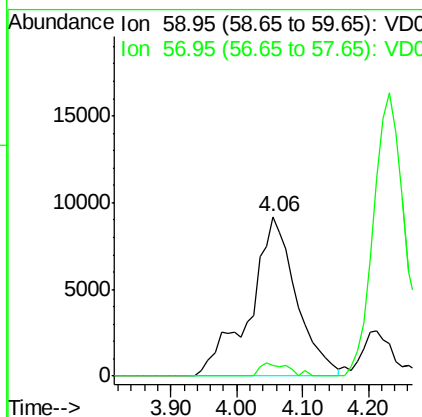
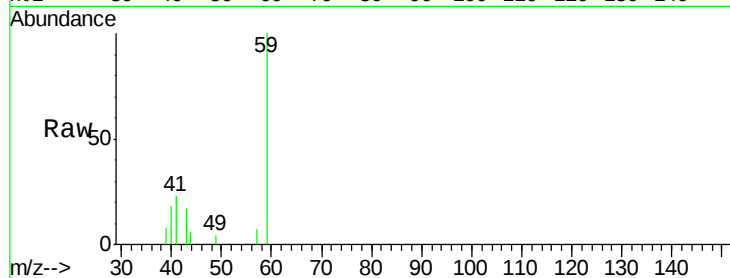


#11

Tert butyl alcohol
Concen: 118.375 ug/l
RT: 4.06 min Scan# 267
Delta R.T. -0.00 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

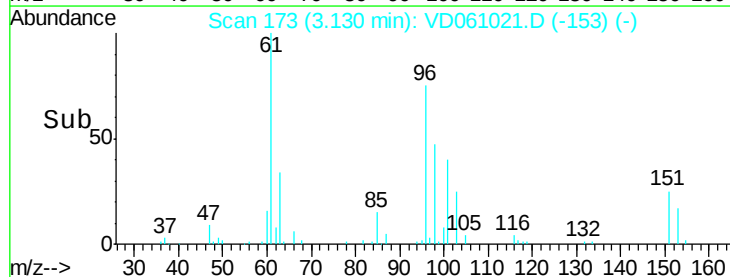
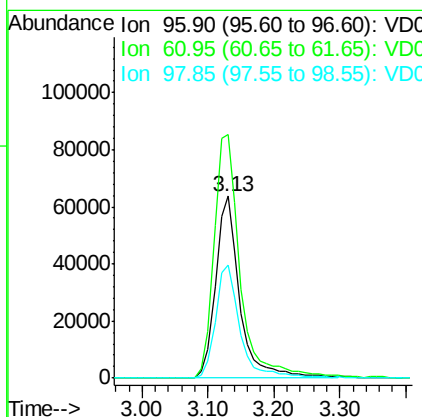
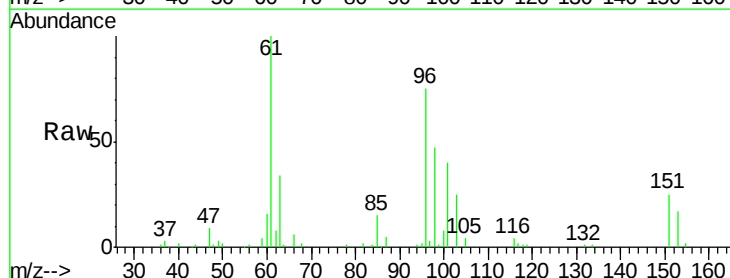
Tot Ion: 59 Resp: 44996
Ion Ratio Lower Upper
59 100
57 6.9 7.1 10.7#

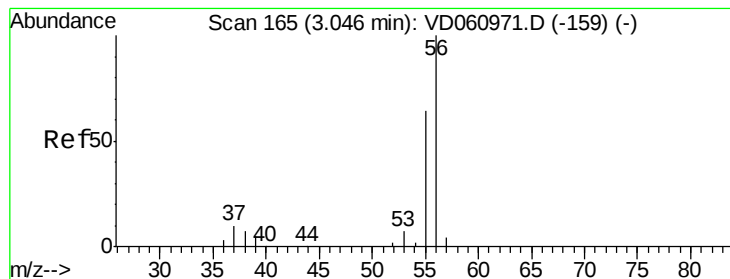


#12

1,1-Dichloroethene
Concen: 22.585 ug/l
RT: 3.13 min Scan# 173
Delta R.T. -0.00 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 96 Resp: 162624
Ion Ratio Lower Upper
96 100
61 133.7 127.1 190.7
98 62.4 51.5 77.3





#13

Acrolein

Concen: 89.136 ug/l

RT: 3.03 min Scan# 163

Delta R.T. -0.01 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

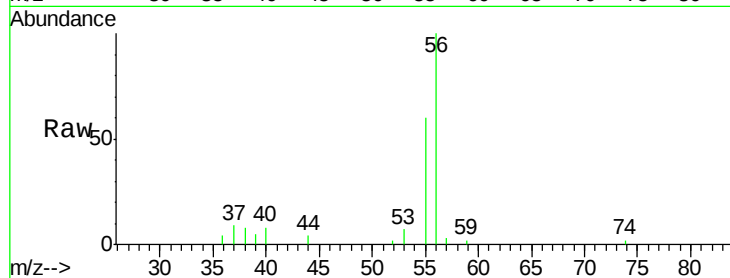
VD0312SBSD01

Tot Ion: 56 Resp: 49024

Ion Ratio Lower Upper

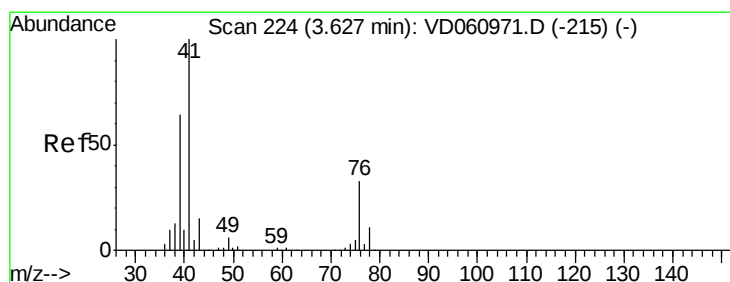
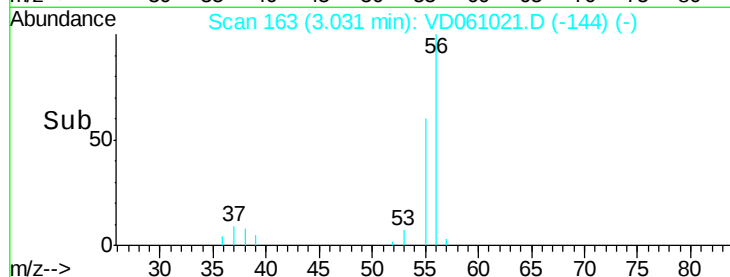
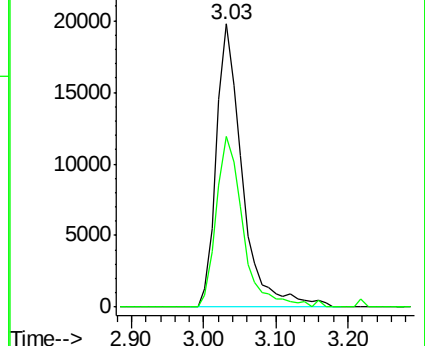
56 100

55 60.4 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: 20.415 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.01 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

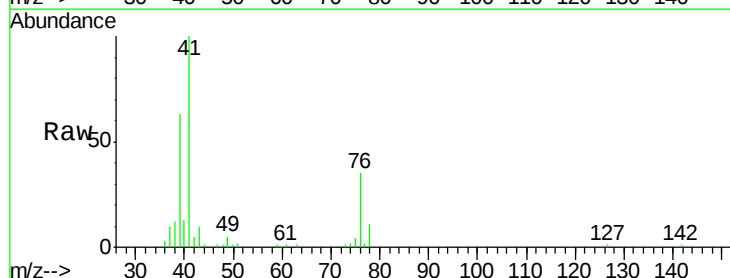
Tgt Ion: 41 Resp: 235196

Ion Ratio Lower Upper

41 100

39 63.4 51.1 76.7

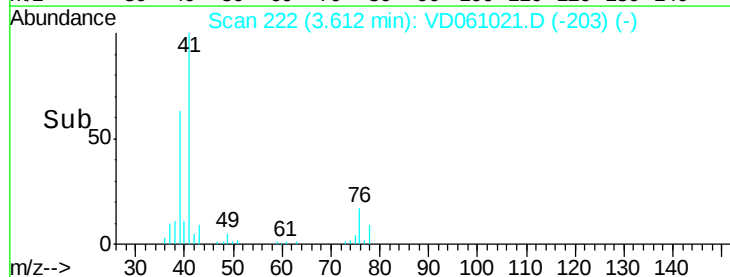
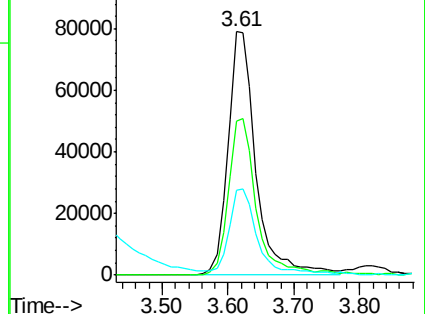
76 34.8 29.1 43.7



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: 110.106 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.00 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

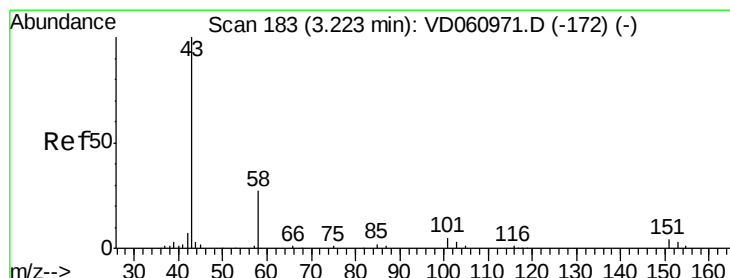
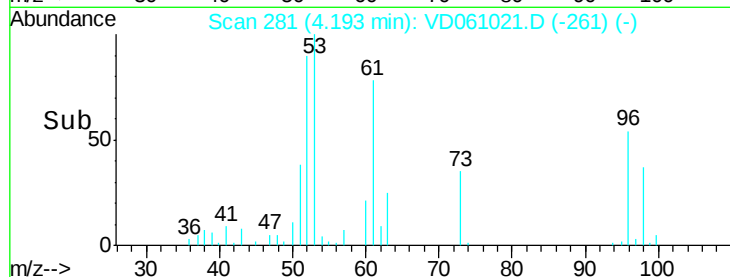
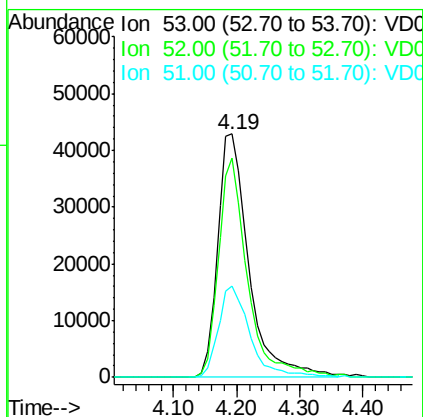
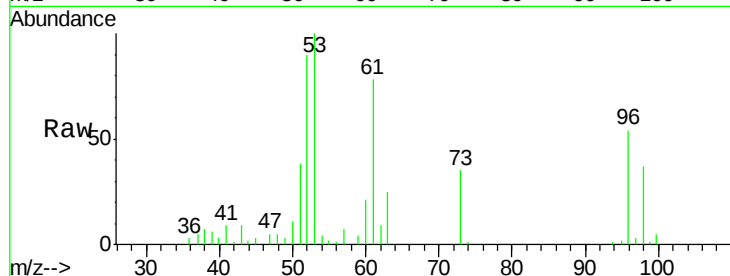
Tot Ion: 53 Resp: 147921

Ion Ratio Lower Upper

53 100

52 89.9 70.2 105.4

51 37.6 31.7 47.5



#16

Acetone

Concen: 128.366 ug/l

RT: 3.22 min Scan# 182

Delta R.T. -0.00 min

Lab File: VD061021.D

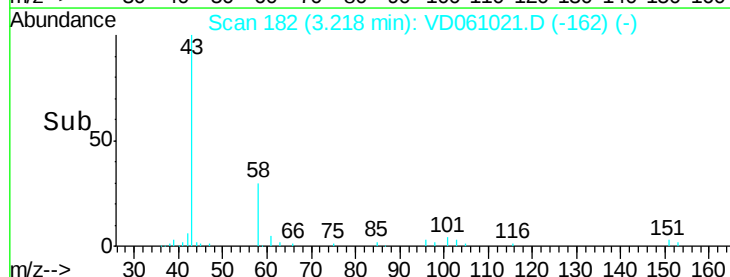
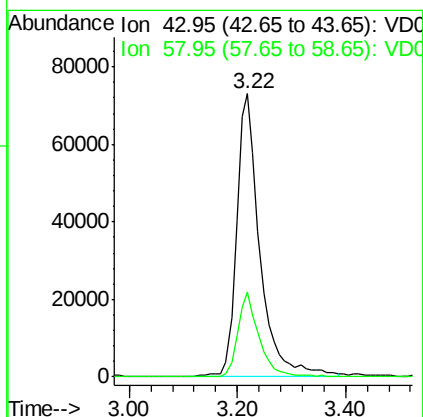
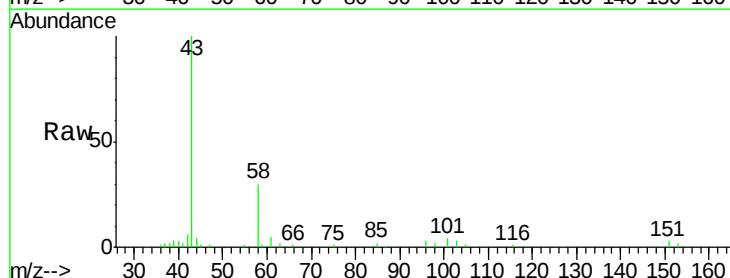
Acq: 12 Mar 2019 13:51

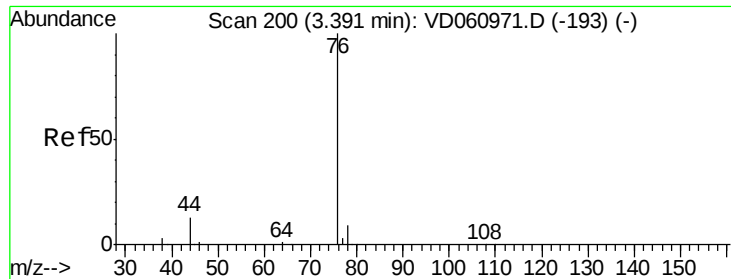
Tgt Ion: 43 Resp: 219173

Ion Ratio Lower Upper

43 100

58 29.9 21.6 32.4

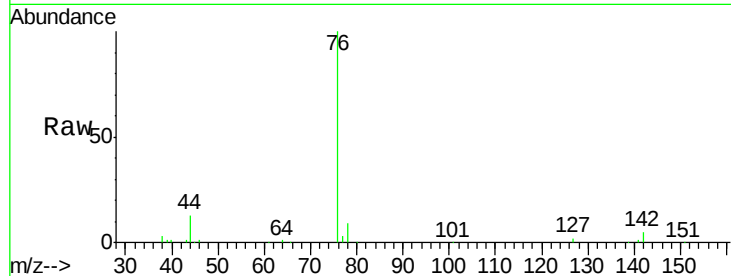




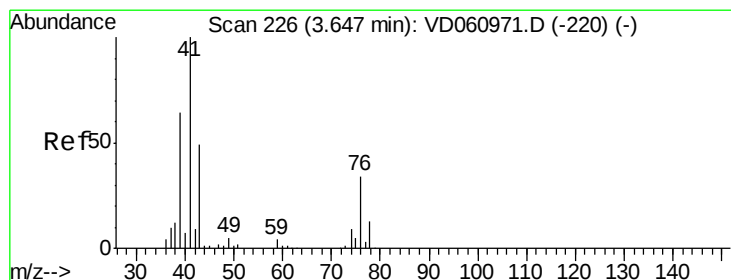
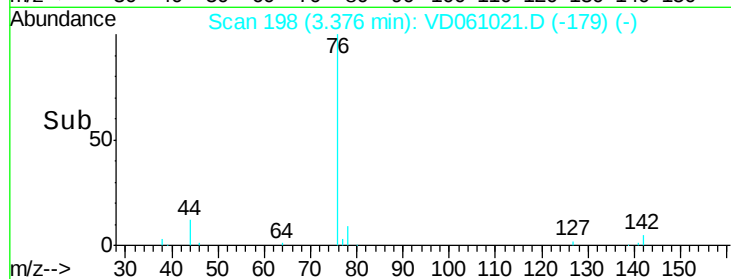
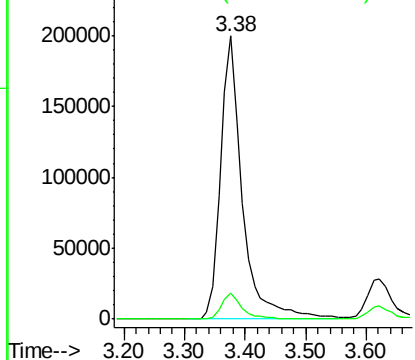
#17
Carbon Disulfide
Concen: 20.443 ug/l
RT: 3.38 min Scan# 198
Delta R.T. -0.01 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Tot Ion: 76 Resp: 496542
Ion Ratio Lower Upper
76 100
78 9.0 7.4 11.2

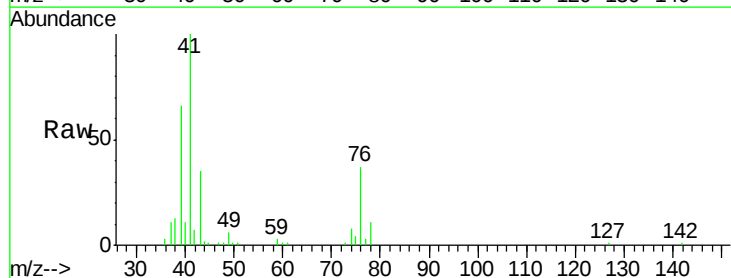


Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC

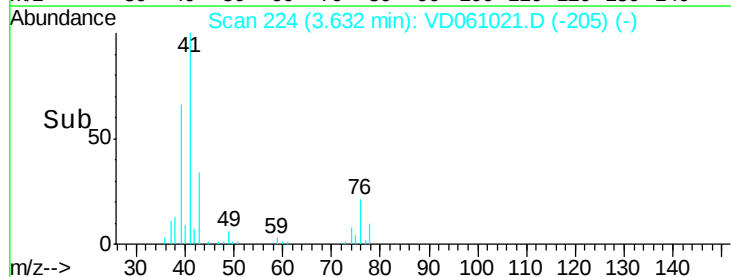
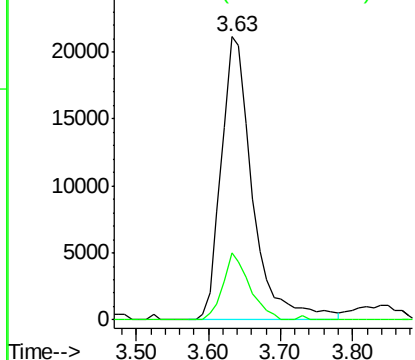


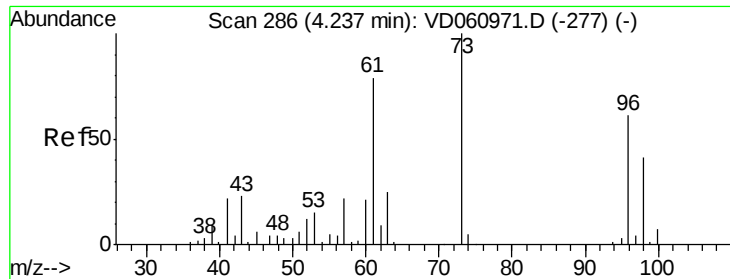
#18
Methyl Acetate
Concen: 18.940 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.01 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 43 Resp: 63640
Ion Ratio Lower Upper
43 100
74 23.7 14.6 21.8#



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

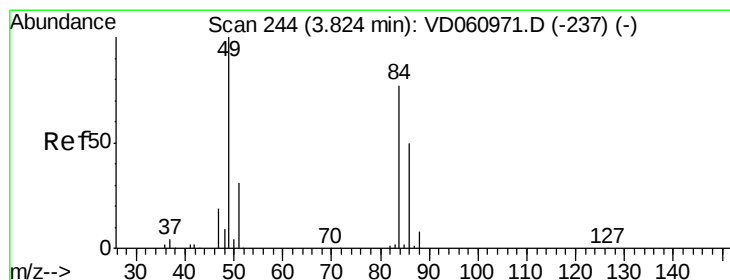
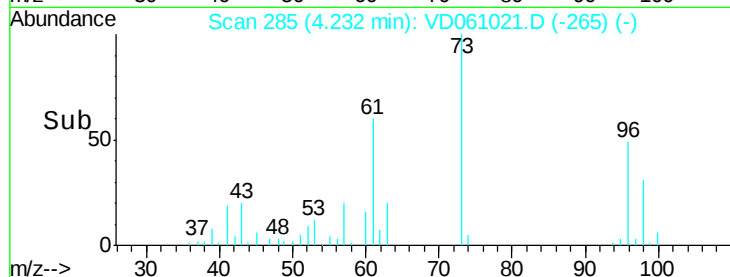
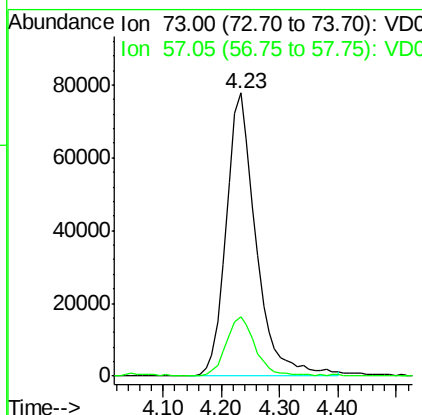
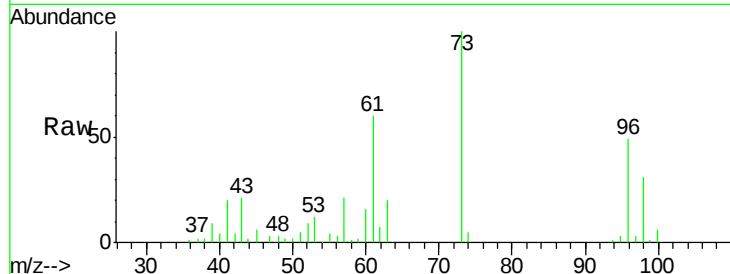




#19
Methyl tert-butyl Ether
Concen: 21.940 ug/l
RT: 4.23 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

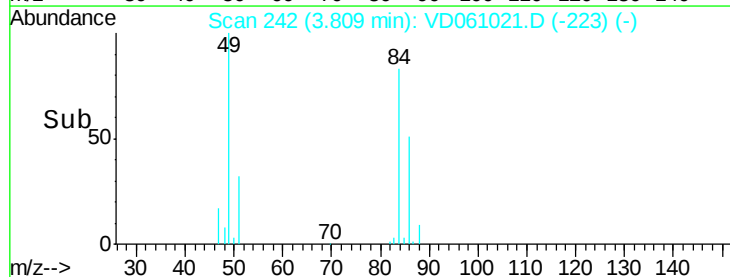
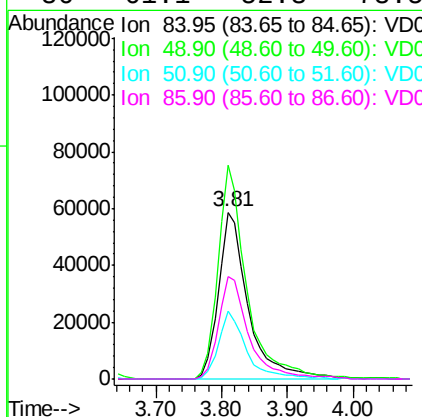
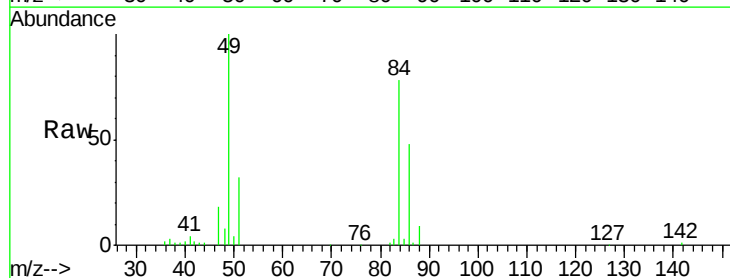
Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

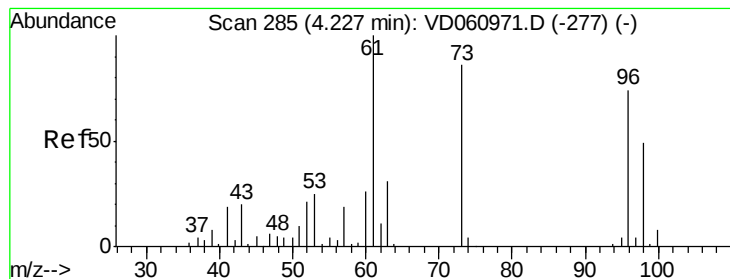
Tot Ion: 73 Resp: 276859
Ion Ratio Lower Upper
73 100
57 21.0 17.7 26.5



#20
Methylene Chloride
Concen: 20.964 ug/l
RT: 3.81 min Scan# 242
Delta R.T. -0.01 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 84 Resp: 184290
Ion Ratio Lower Upper
84 100
49 128.0 104.2 156.2
51 40.8 32.3 48.5
86 61.1 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 22.112 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.01 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

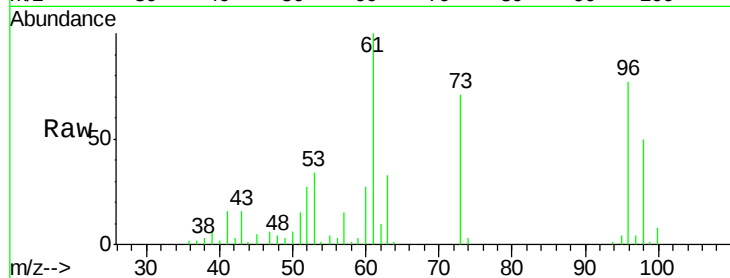
Tot Ion: 96 Resp: 172328

Ion Ratio Lower Upper

96 100

61 129.3 108.4 162.6

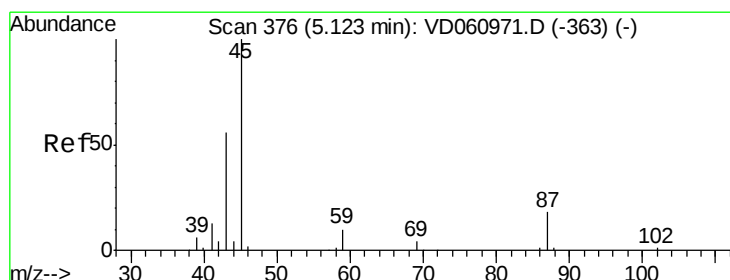
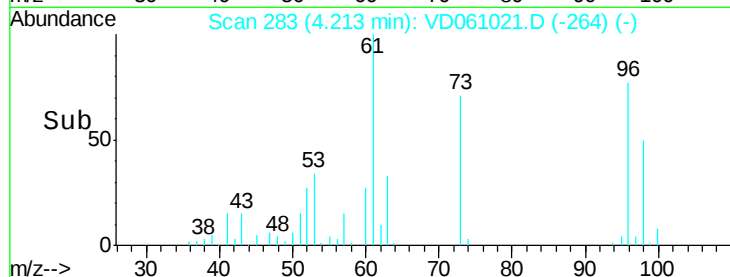
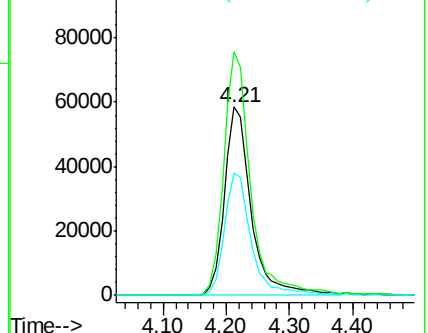
98 64.7 53.0 79.4



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: 20.538 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

Tgt Ion: 45 Resp: 491189

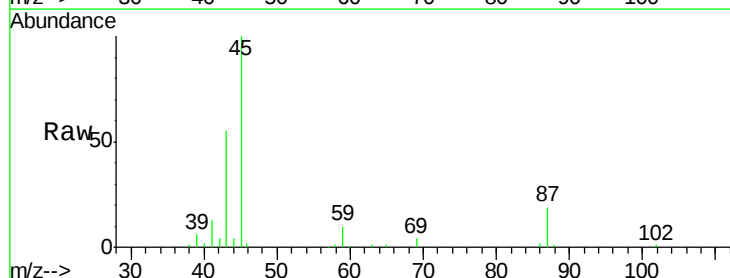
Ion Ratio Lower Upper

45 100

43 55.0 45.8 68.8

87 19.1 14.9 22.3

59 10.0 8.0 12.0

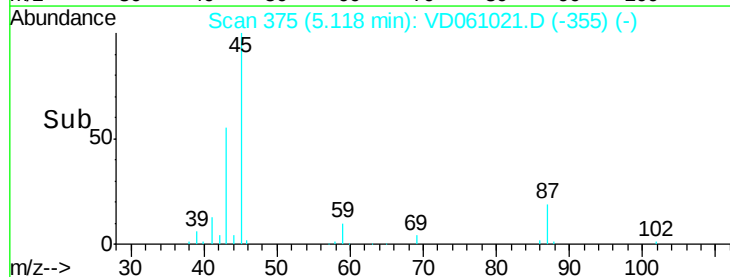
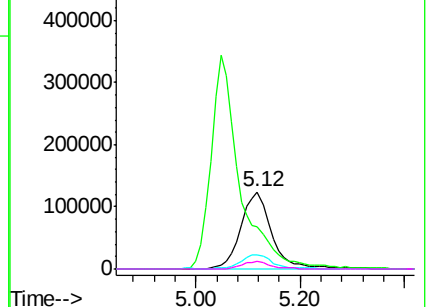


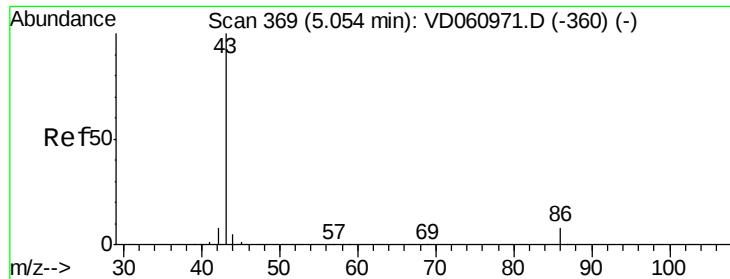
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 106.512 ug/l

RT: 5.05 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

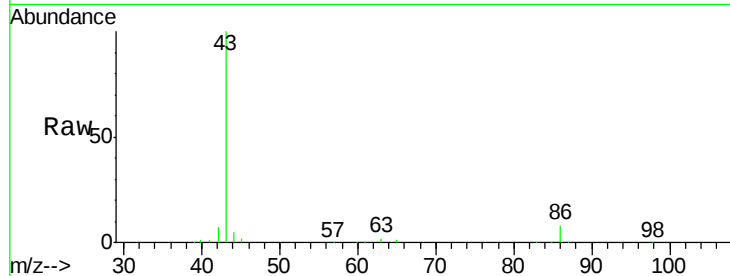
VD0312SBS01

Tot Ion: 43 Resp: 1307643

Ion Ratio Lower Upper

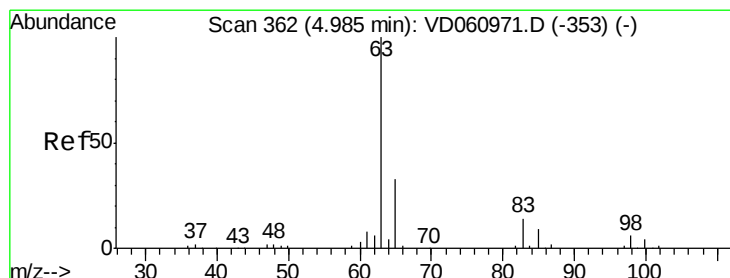
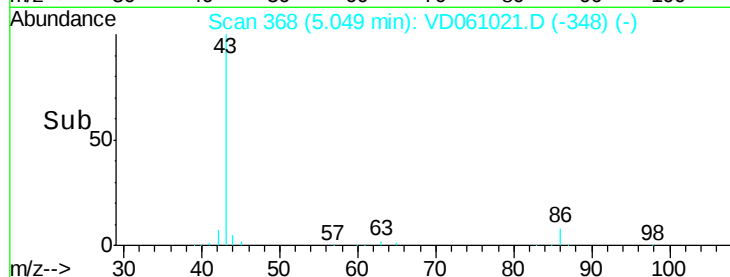
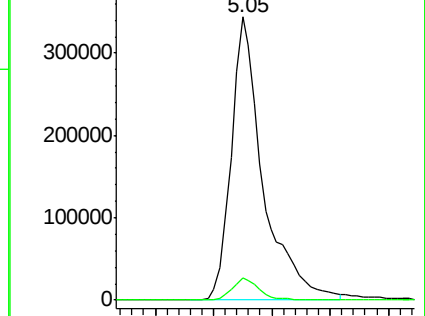
43 100

86 7.7 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: 21.282 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.00 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

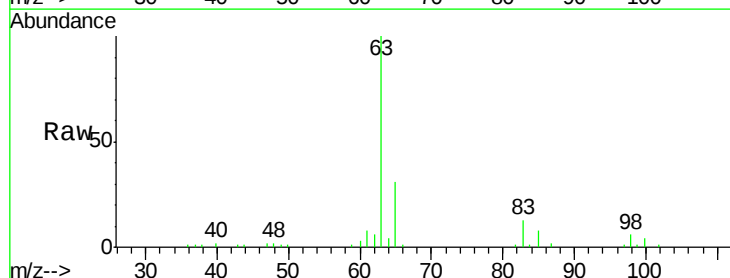
Tgt Ion: 63 Resp: 278862

Ion Ratio Lower Upper

63 100

98 5.8 3.0 9.2

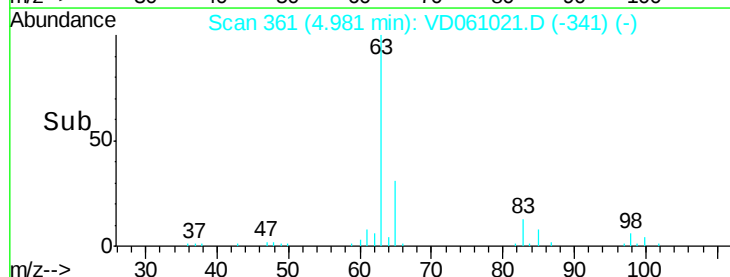
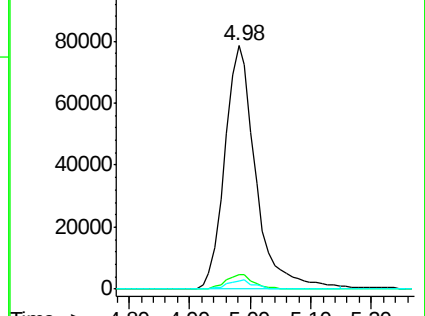
100 3.6 2.0 5.8



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: 105.190 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

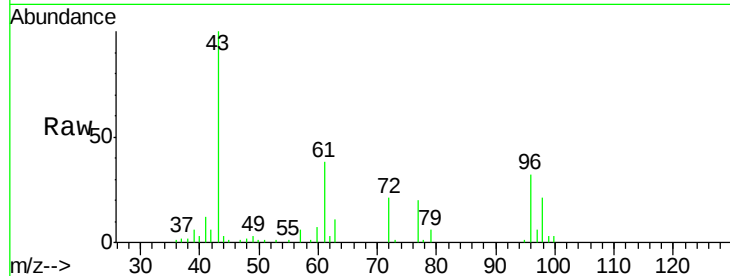
VD0312SBSD01

Tot Ion: 43 Resp: 203799

Ion Ratio Lower Upper

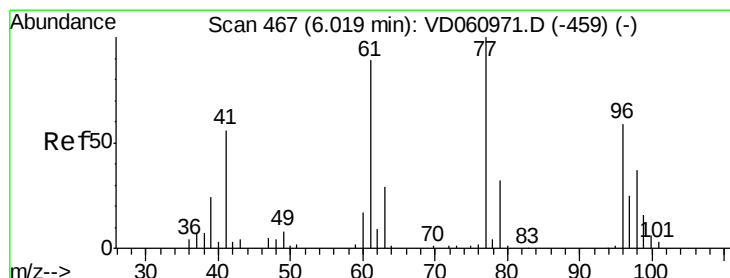
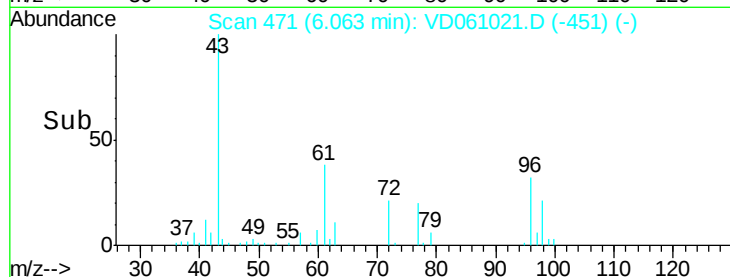
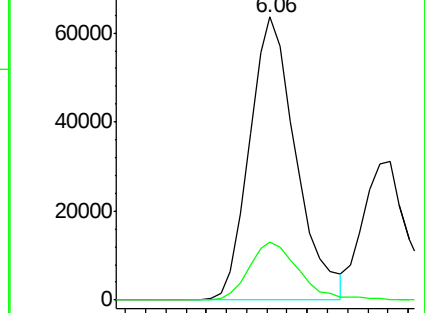
43 100

72 20.6 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: 21.438 ug/l

RT: 6.02 min Scan# 467

Delta R.T. 0.01 min

Lab File: VD061021.D

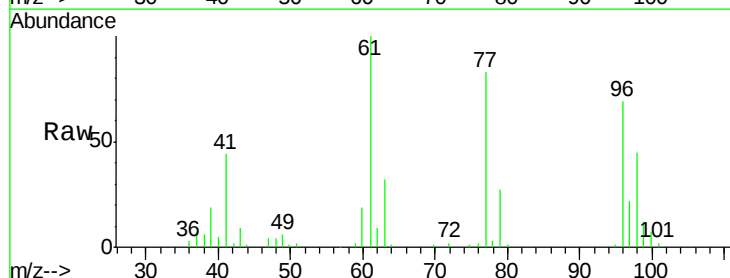
Acq: 12 Mar 2019 13:51

Tgt Ion: 77 Resp: 219290

Ion Ratio Lower Upper

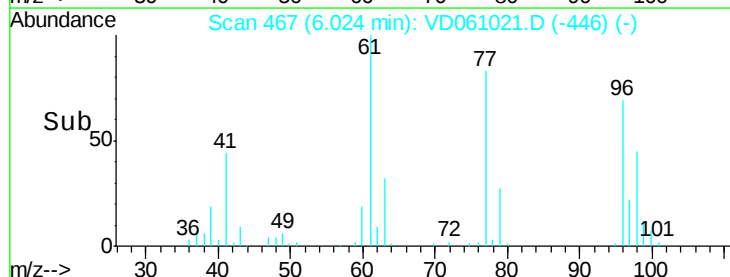
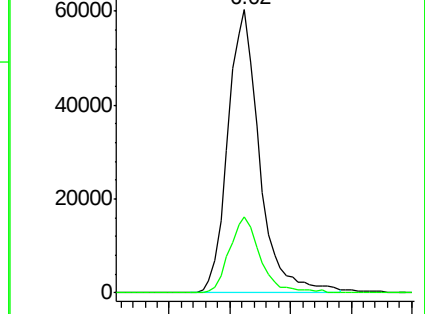
77 100

97 27.1 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



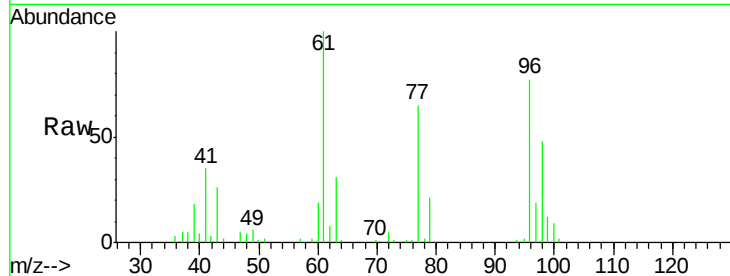


#27

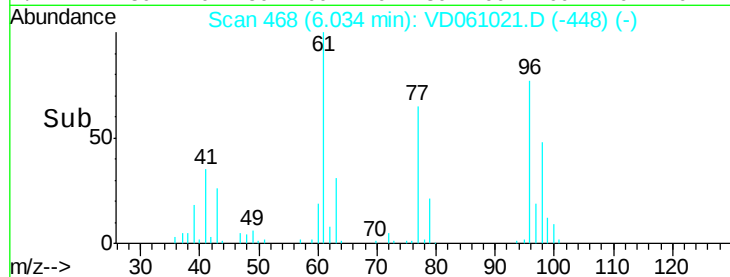
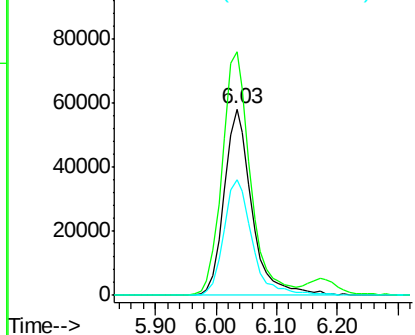
cis-1,2-Dichloroethene
 Concen: 22.247 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.00 min
 Lab File: VD061021.D
 Acq: 12 Mar 2019 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.5	0.0	273.6
98	62.1	0.0	132.6



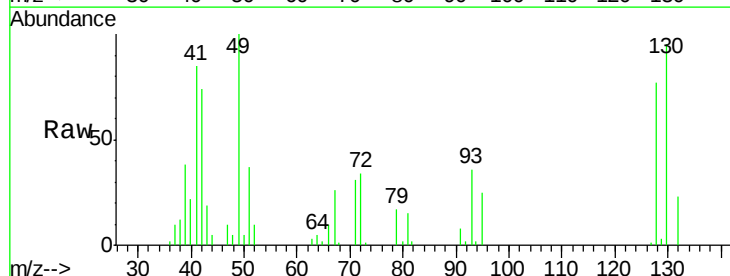
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



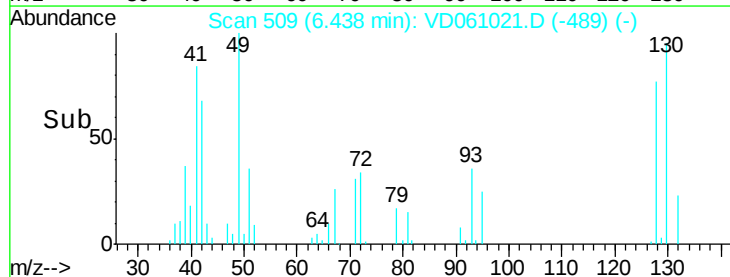
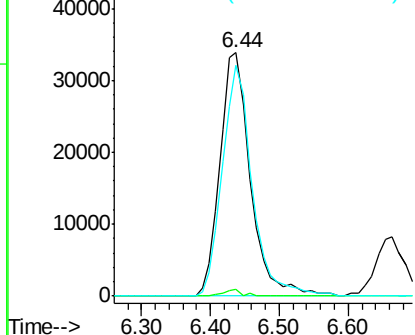
#28

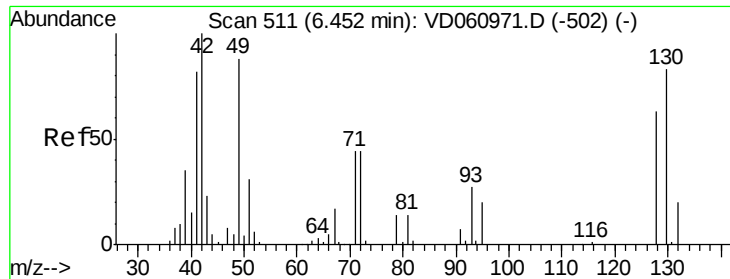
Bromochloromethane
 Concen: 18.709 ug/l
 RT: 6.44 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VD061021.D
 Acq: 12 Mar 2019 13:51

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.0
130	94.8	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

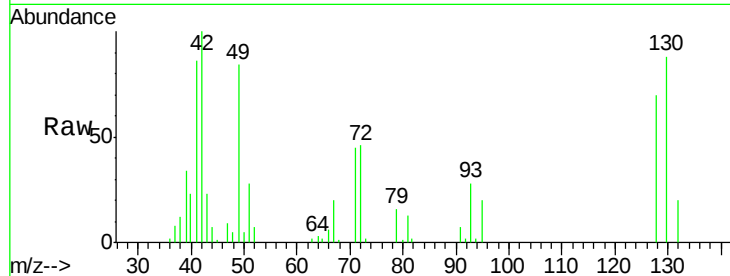




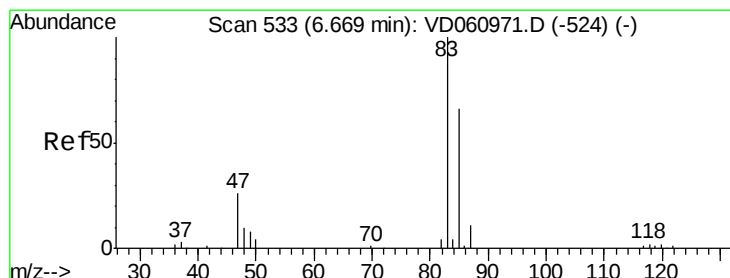
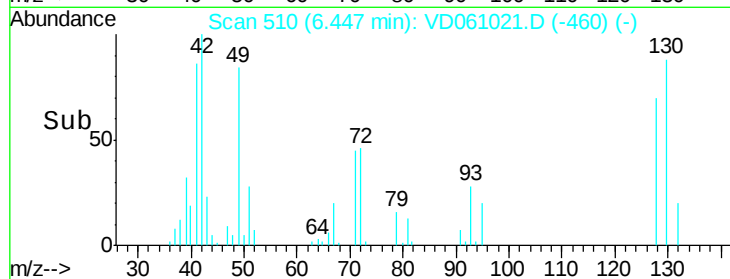
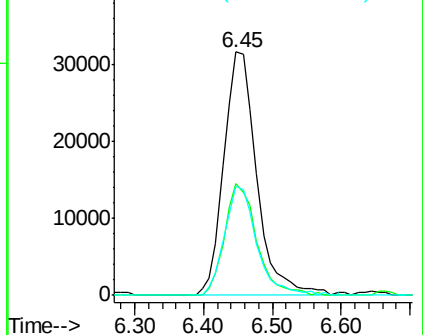
#29
Tetrahydrofuran
Concen: 99.835 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Tot Ion: 42 Resp: 105029
Ion Ratio Lower Upper
42 100
72 44.6 34.5 51.7
71 43.9 33.8 50.6

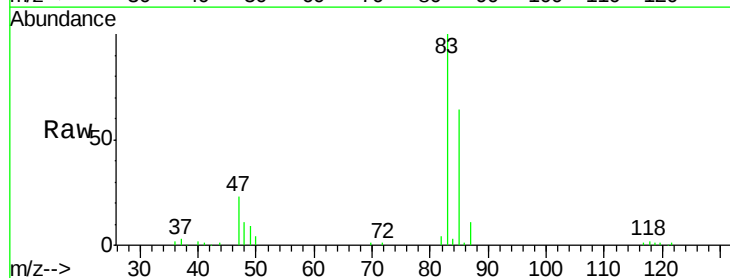


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

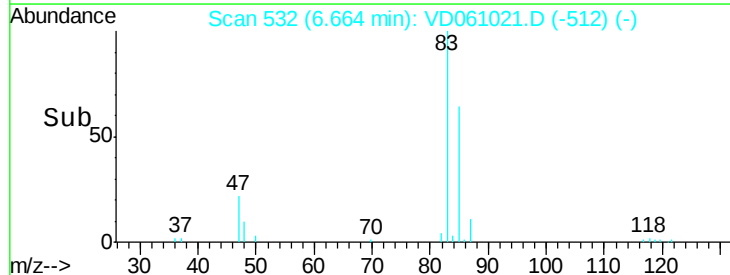
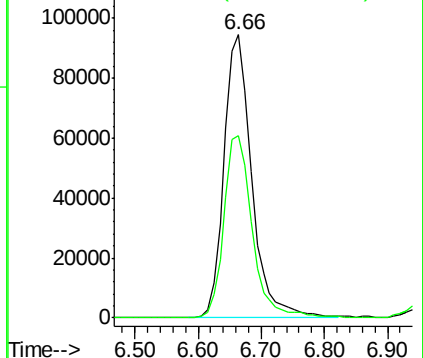


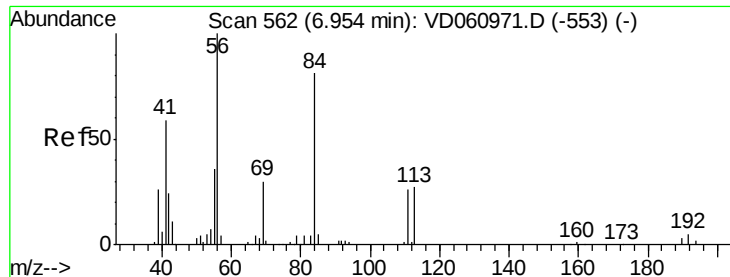
#30
Chloroform
Concen: 21.290 ug/l
RT: 6.66 min Scan# 532
Delta R.T. -0.00 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 83 Resp: 289125
Ion Ratio Lower Upper
83 100
85 64.3 53.0 79.4



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

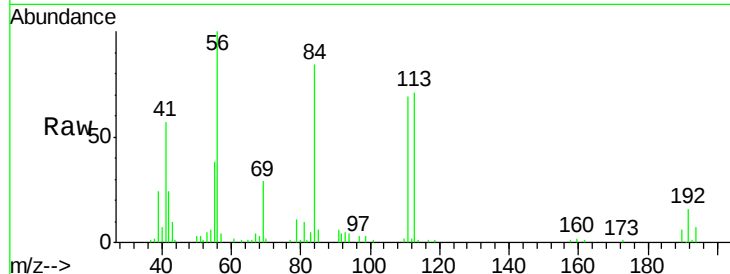




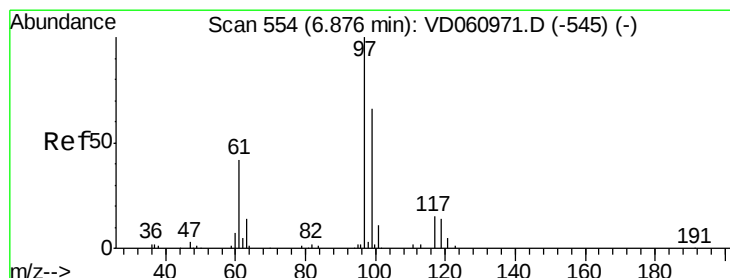
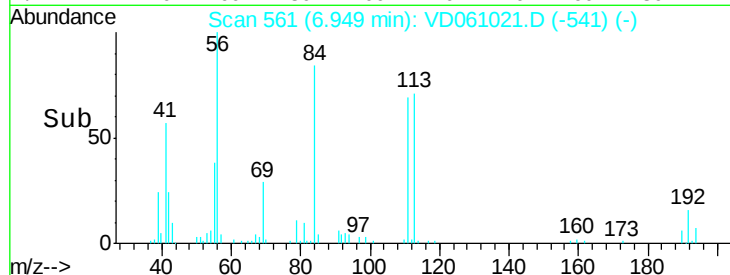
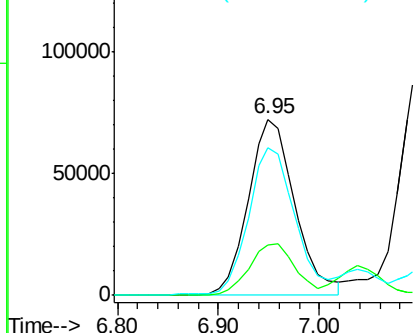
#31
Cyclohexane
Concen: 21.985 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.00 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Tot Ion: 56 Resp: 232282
Ion Ratio Lower Upper
56 100
69 28.9 24.0 36.0
84 84.2 65.8 98.6

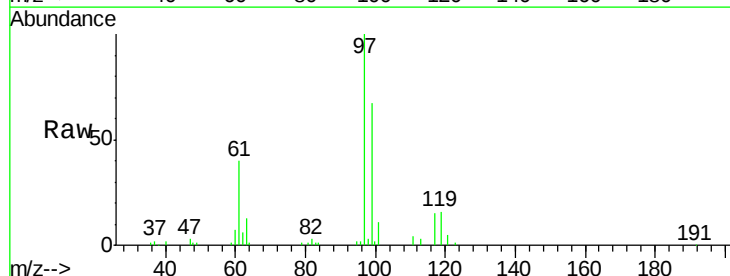


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

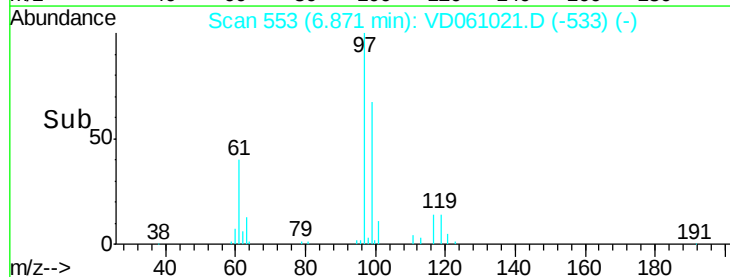
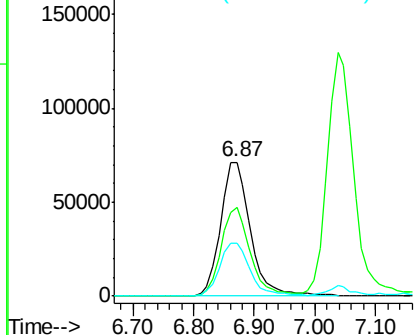


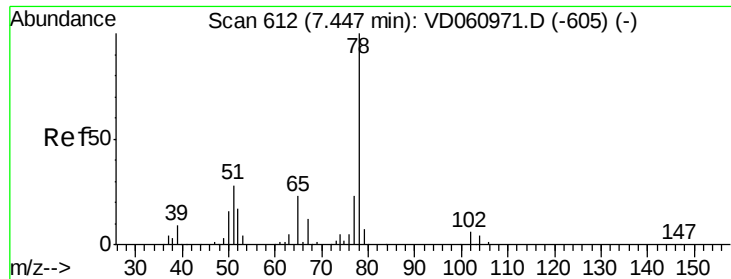
#32
1,1,1-Trichloroethane
Concen: 20.763 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.00 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 97 Resp: 243782
Ion Ratio Lower Upper
97 100
99 66.5 53.2 79.8
61 39.6 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

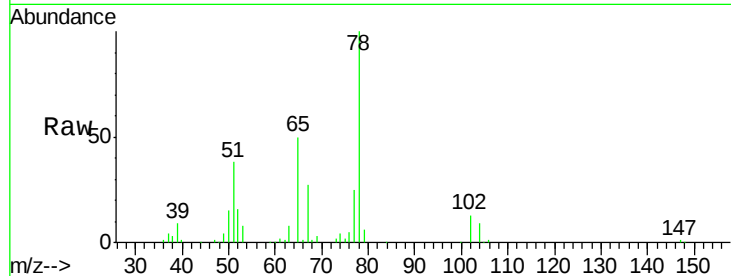




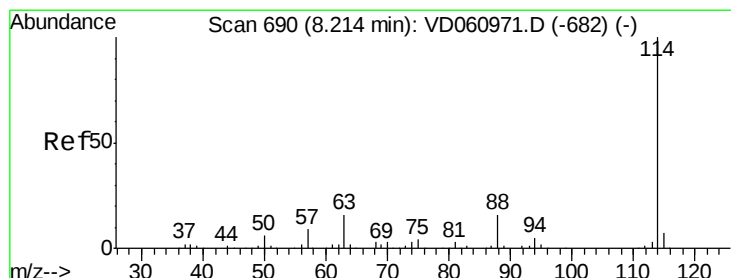
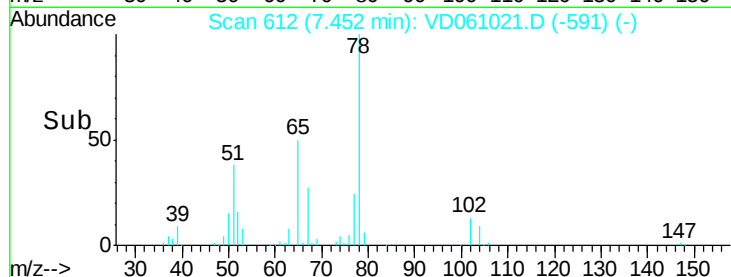
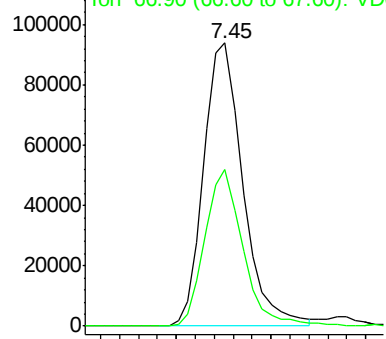
#33
 1,2-Dichloroethane-d4
 Concen: 20.763 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. 0.01 min
 Lab File: VD061021.D
 Acq: 12 Mar 2019 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBSD01

Tot Ion: 65 Resp: 270390
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 105.2

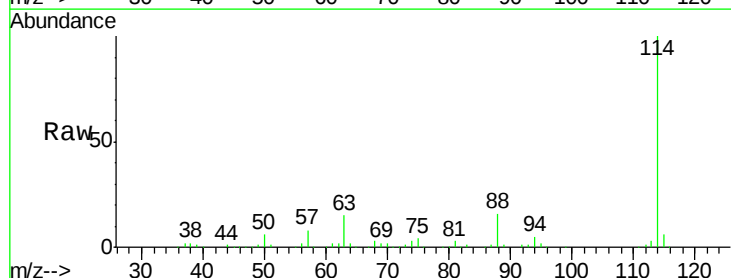


Abundance Ion 64.95 (64.65 to 65.65): VDC
 Ion 66.90 (66.60 to 67.60): VDC

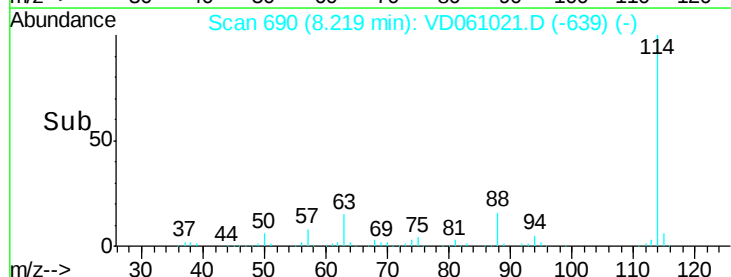
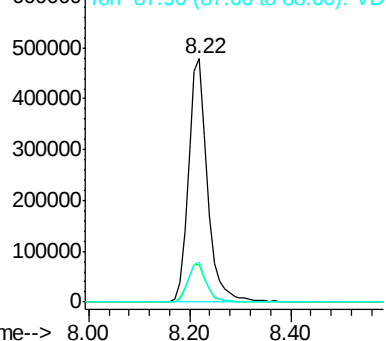


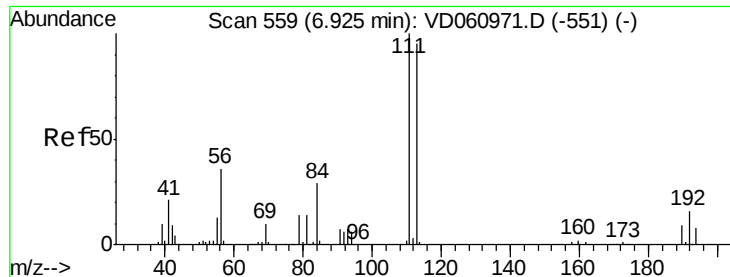
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. 0.01 min
 Lab File: VD061021.D
 Acq: 12 Mar 2019 13:51

Tgt Ion: 114 Resp: 1265969
 Ion Ratio Lower Upper
 114 100
 63 15.5 0.0 31.4
 88 16.2 0.0 33.0



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





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

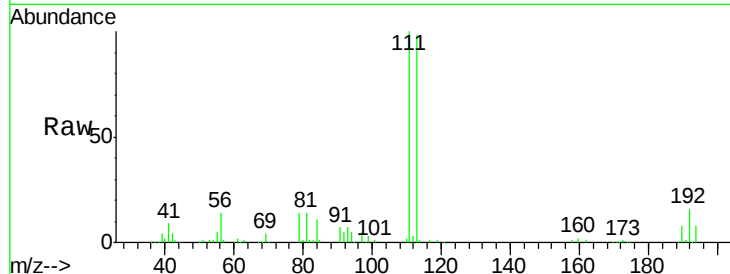
Tot Ion:113 Resp: 432363

Ion Ratio Lower Upper

113 100

111 101.8 84.2 126.4

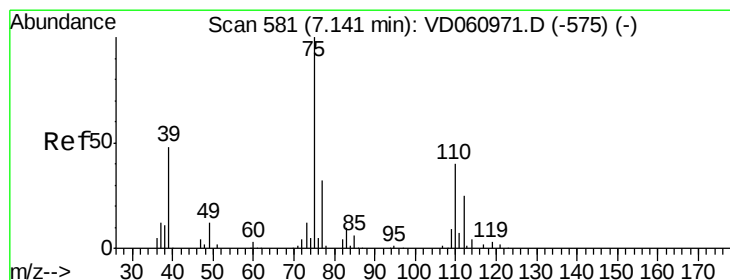
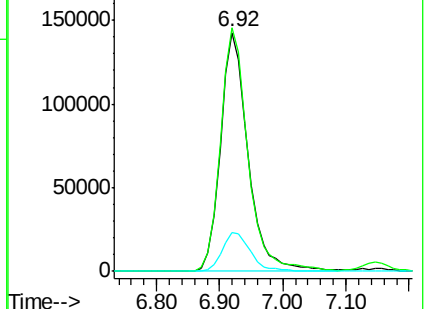
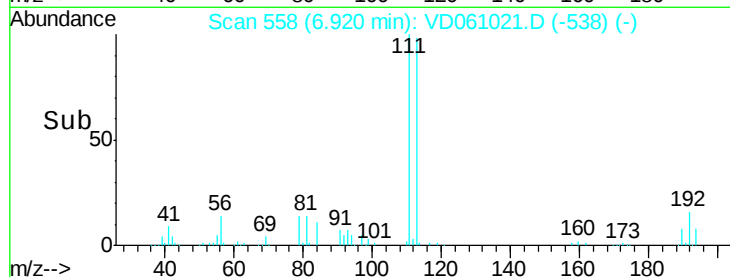
192 16.0 13.1 19.7



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: 19.353 ug/l

RT: 7.15 min Scan# 581

Delta R.T. 0.01 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

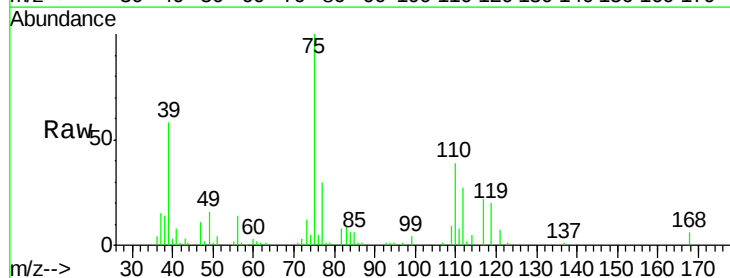
Tgt Ion: 75 Resp: 211193

Ion Ratio Lower Upper

75 100

110 38.6 19.7 59.1

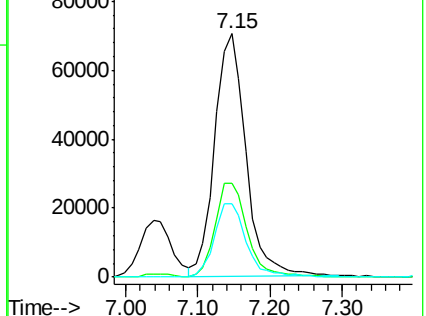
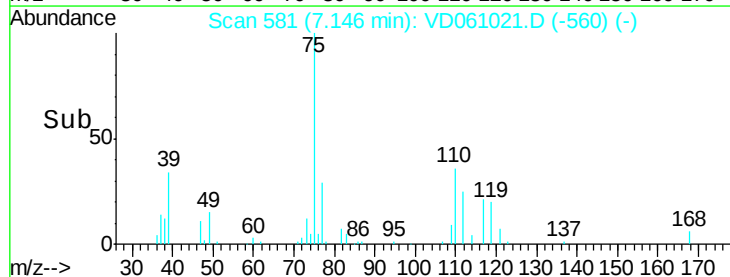
77 30.1 24.7 37.1

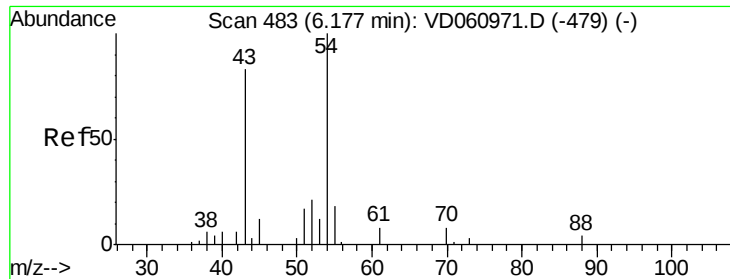


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

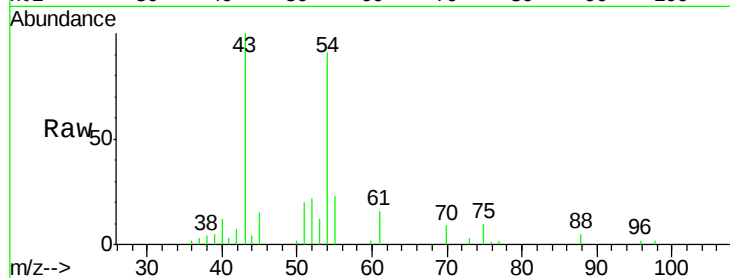




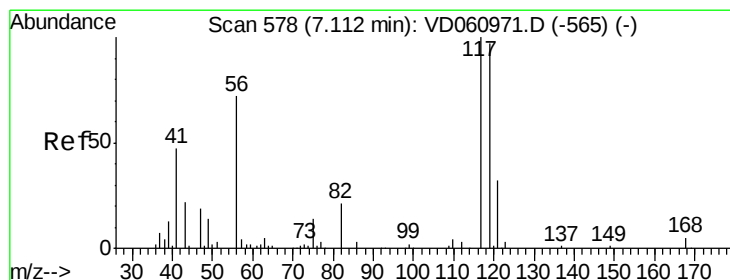
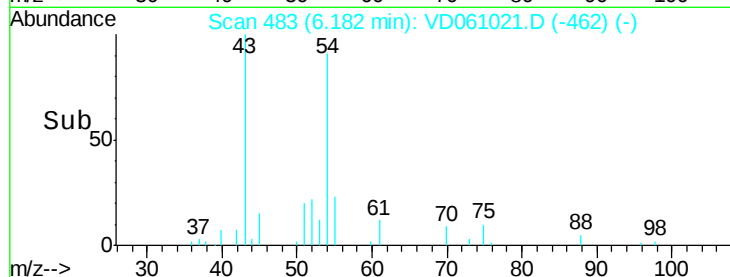
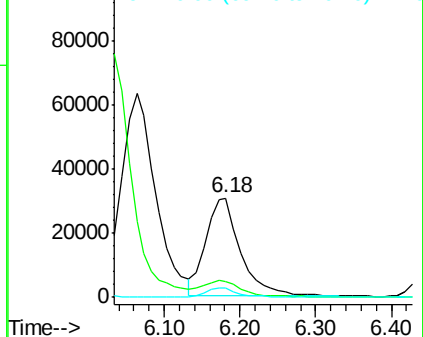
#37
Ethyl Acetate
Concen: 19.158 ug/l
RT: 6.18 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion: 43 Resp: 98103
Ion Ratio Lower Upper
43 100
61 16.0 13.7 20.5
70 9.0 7.1 10.7

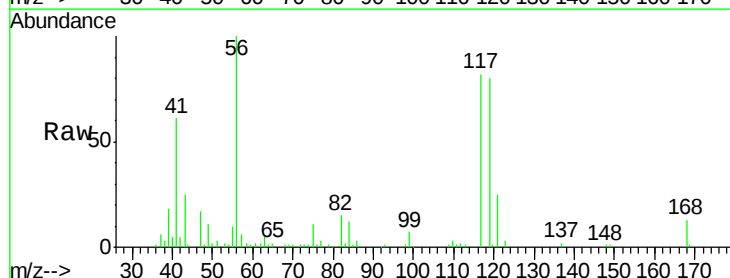


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

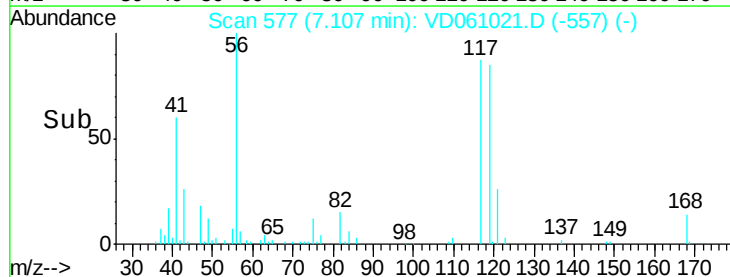
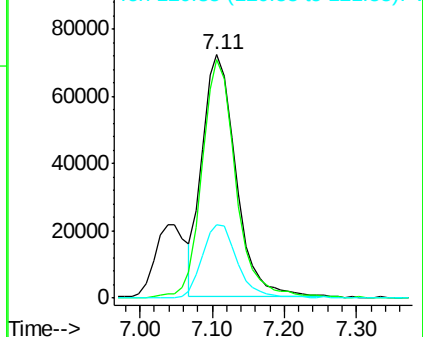


#38
Carbon Tetrachloride
Concen: 19.373 ug/l
RT: 7.11 min Scan# 577
Delta R.T. -0.00 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 117 Resp: 232873
Ion Ratio Lower Upper
117 100
119 97.8 77.8 116.8
121 30.3 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

Methvlcvclohexane

Concen: 19.769 ug/l

RT: 8.86 min Scan# 755

Delta R.T. 0.01 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

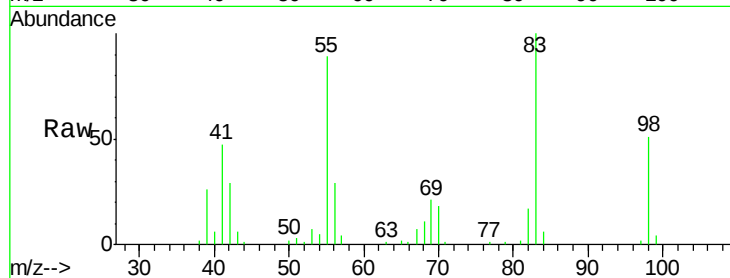
Tot Ion: 83 Resp: 223692

Ion Ratio Lower Upper

83 100

55 88.7 69.6 104.4

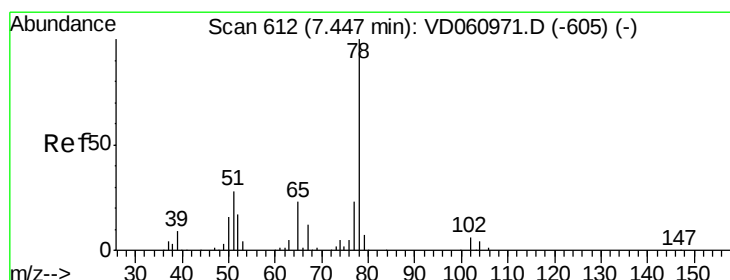
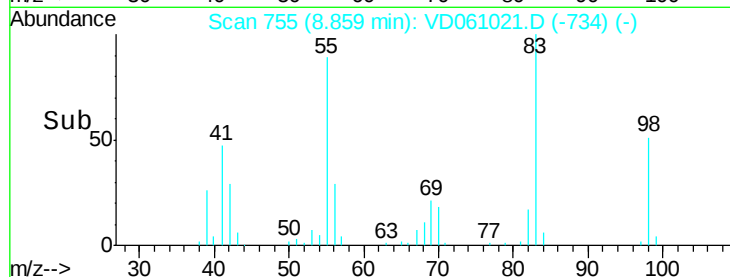
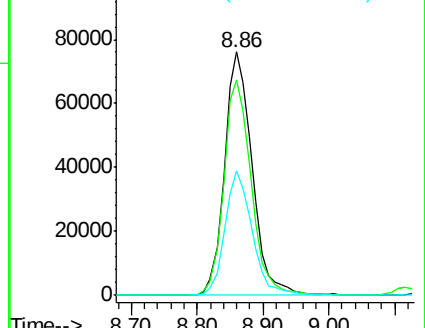
98 51.0 40.0 60.0



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: 20.560 ug/l

RT: 7.45 min Scan# 612

Delta R.T. 0.01 min

Lab File: VD061021.D

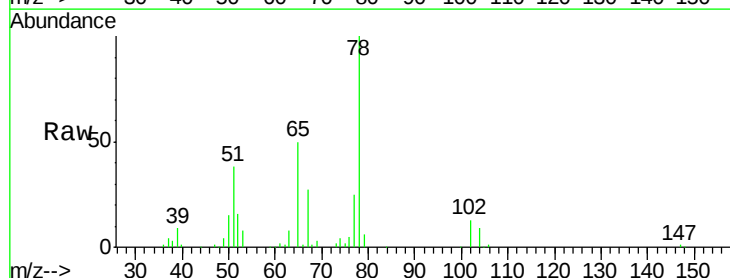
Acq: 12 Mar 2019 13:51

Tgt Ion: 78 Resp: 560611

Ion Ratio Lower Upper

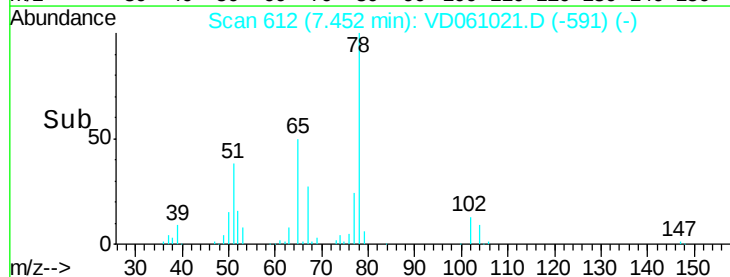
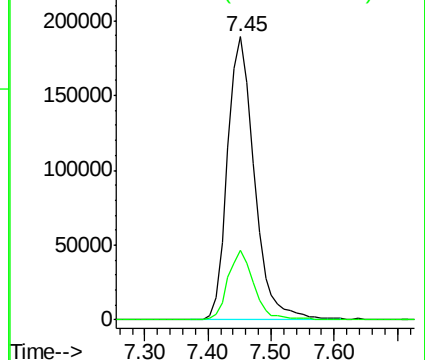
78 100

77 24.5 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: 19.773 ug/l

RT: 6.44 min Scan# 509

Delta R.T. -0.00 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

Tot Ion: 41 Resp: 116466

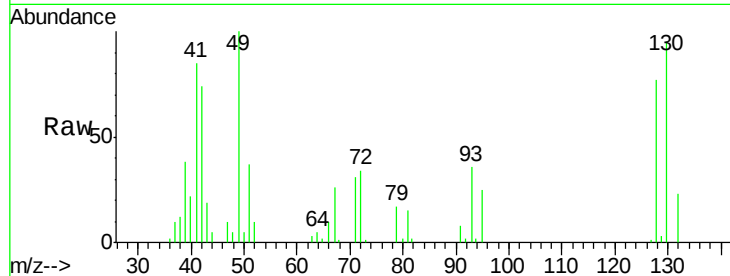
Ion Ratio Lower Upper

41 100

39 45.1 35.7 53.5

67 30.8 23.0 34.6

52 11.9 9.2 13.8

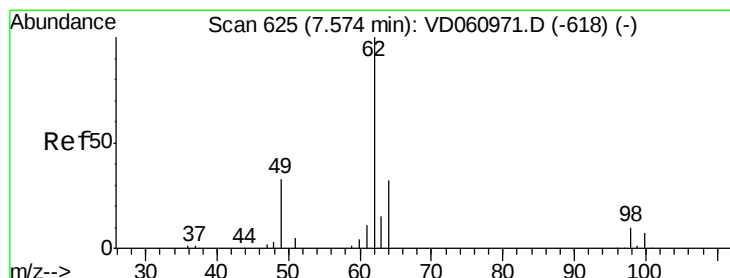
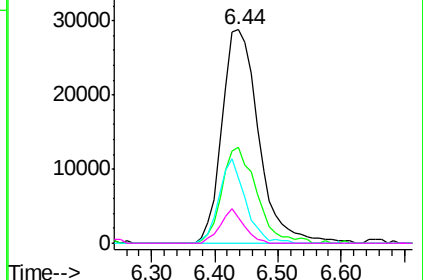
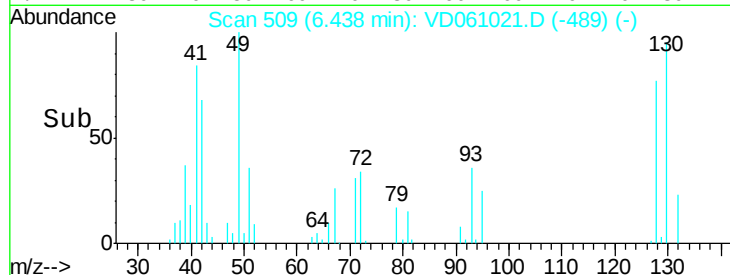


Abundance Ion 40.95 (40.65 to 41.65): VDC

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: 20.435 ug/l

RT: 7.57 min Scan# 624

Delta R.T. -0.00 min

Lab File: VD061021.D

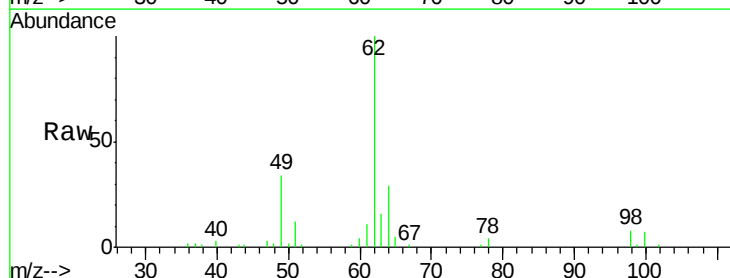
Acq: 12 Mar 2019 13:51

Tgt Ion: 62 Resp: 161703

Ion Ratio Lower Upper

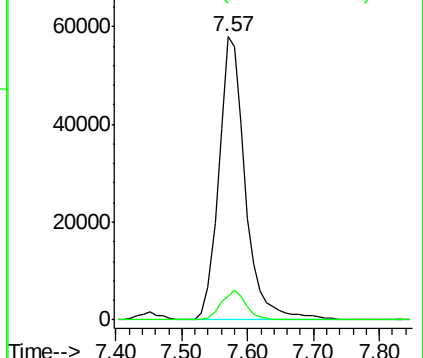
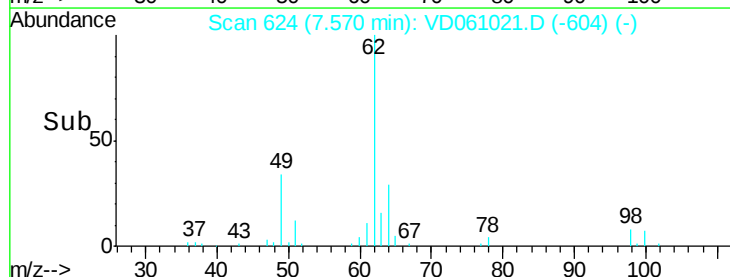
62 100

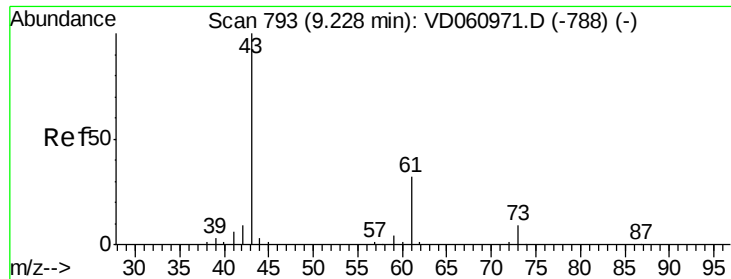
98 8.5 0.0 20.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



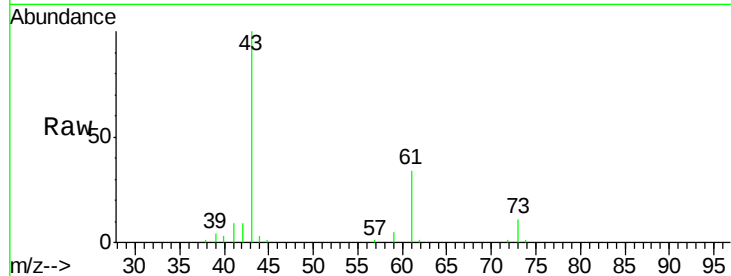


#43

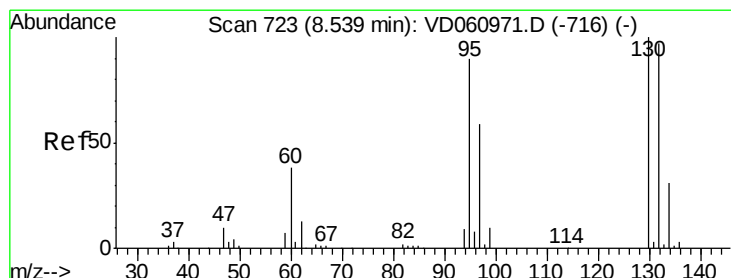
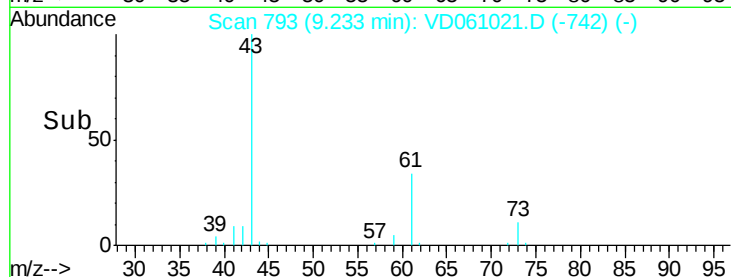
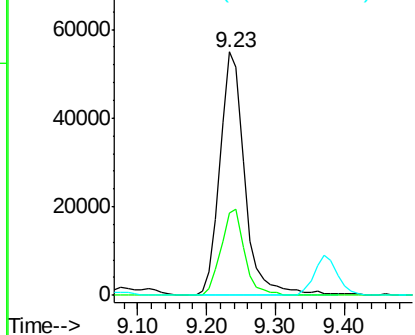
Isopropyl Acetate
 Concen: 19.443 ug/l
 RT: 9.23 min Scan# 793
 Delta R.T. 0.01 min
 Lab File: VD061021.D
 Acq: 12 Mar 2019 13:51

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0312SBSD01

Tot Ion: 43 Resp: 137902
 Ion Ratio Lower Upper
 43 100
 61 33.8 25.6 38.4
 87 0.0 0.2 0.4#



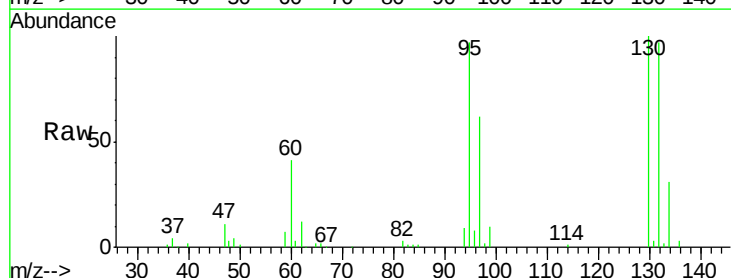
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



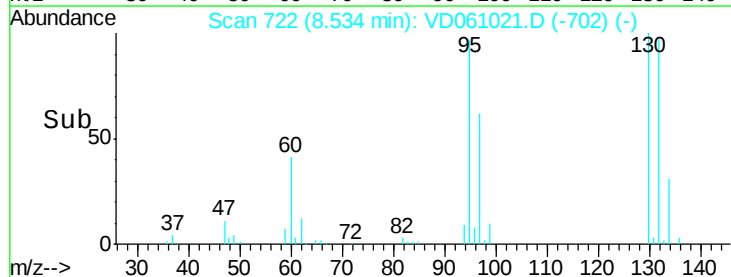
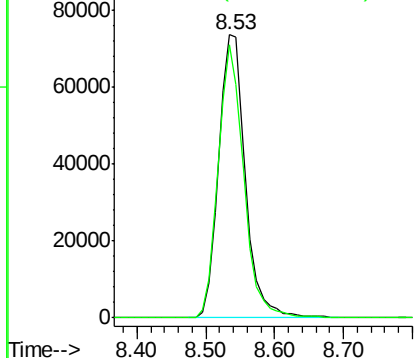
#44

Trichloroethene
 Concen: 20.944 ug/l
 RT: 8.53 min Scan# 722
 Delta R.T. -0.00 min
 Lab File: VD061021.D
 Acq: 12 Mar 2019 13:51

Tgt Ion:130 Resp: 197020
 Ion Ratio Lower Upper
 130 100
 95 96.6 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: 20.659 ug/l

RT: 8.94 min Scan# 763

Delta R.T. 0.01 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

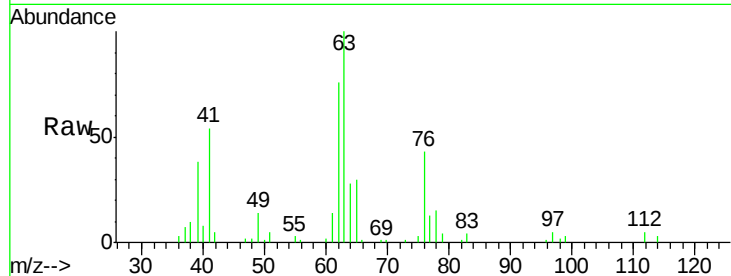
VD0312SBSD01

Tot Ion: 63 Resp: 147993

Ion Ratio Lower Upper

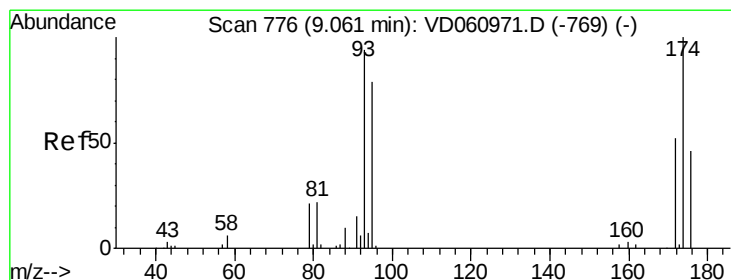
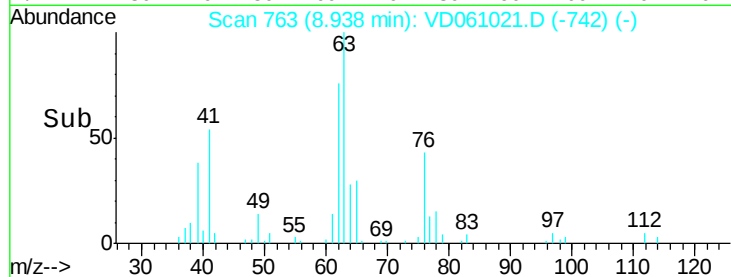
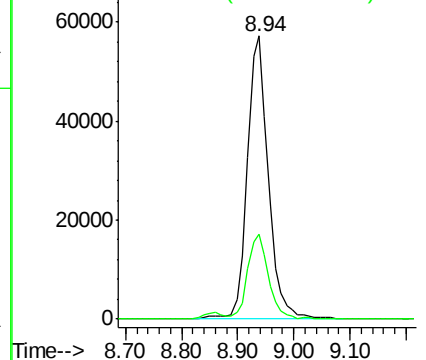
63 100

65 30.1 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 19.215 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

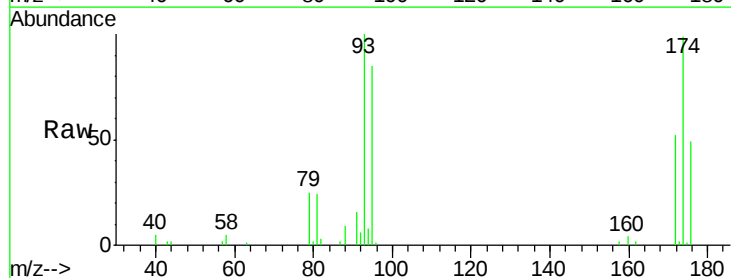
Tgt Ion: 93 Resp: 87318

Ion Ratio Lower Upper

93 100

95 85.4 67.4 101.0

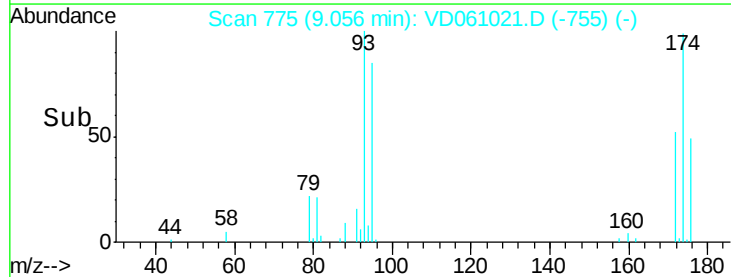
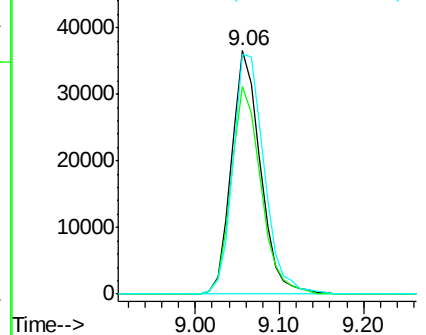
174 98.6 85.4 128.0



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 20.219 ug/l

RT: 9.37 min Scan# 807

Delta R.T. 0.01 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

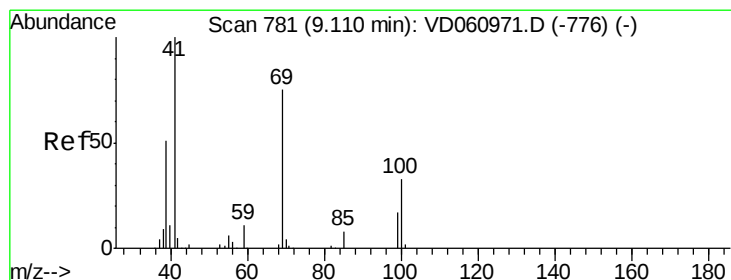
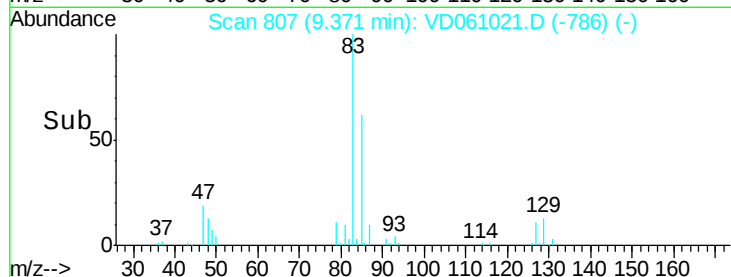
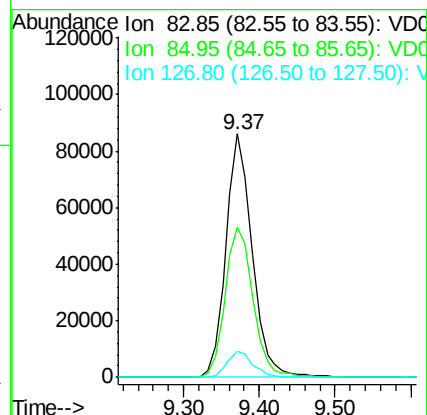
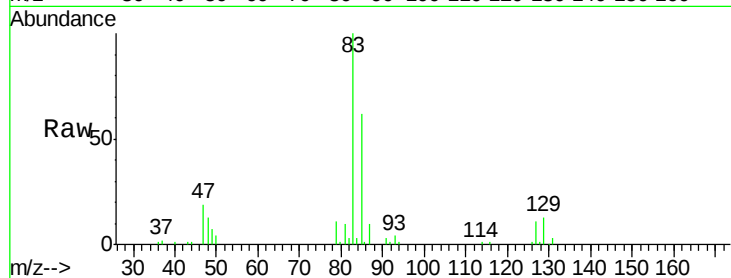
Tot Ion: 83 Resp: 207336

Ion Ratio Lower Upper

83 100

85 61.9 52.5 78.7

127 10.9 7.5 11.3



#48

Methyl methacrylate

Concen: 20.573 ug/l

RT: 9.12 min Scan# 781

Delta R.T. 0.01 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

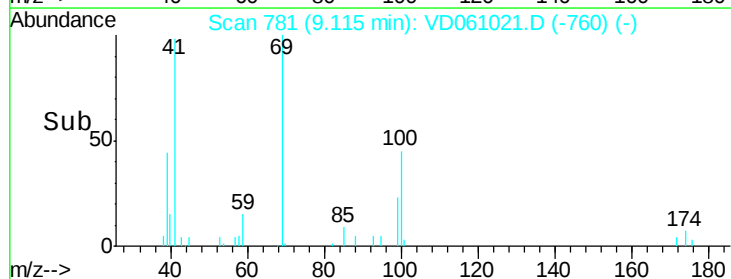
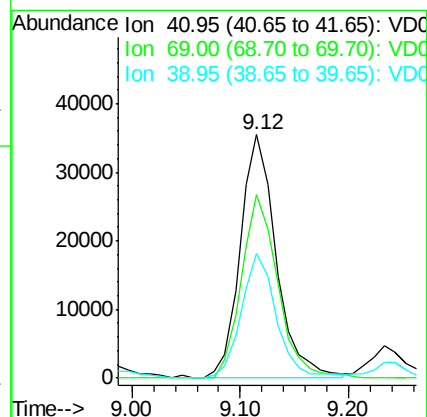
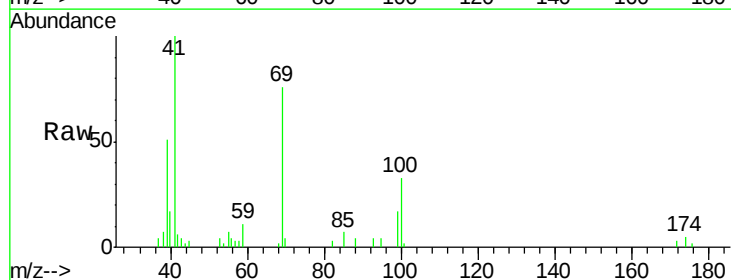
Tgt Ion: 41 Resp: 82155

Ion Ratio Lower Upper

41 100

69 75.5 59.9 89.9

39 51.4 40.9 61.3

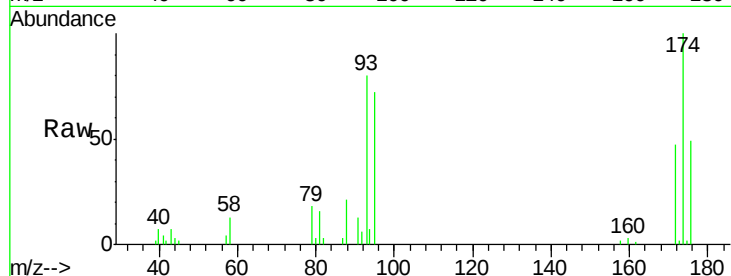




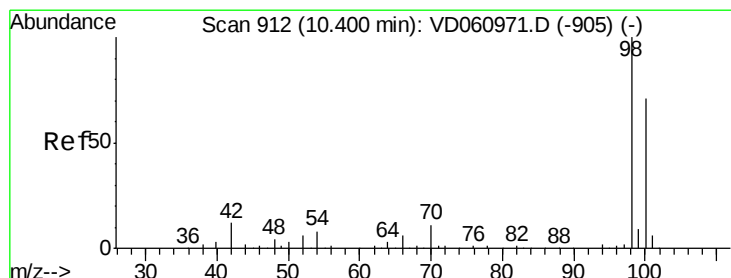
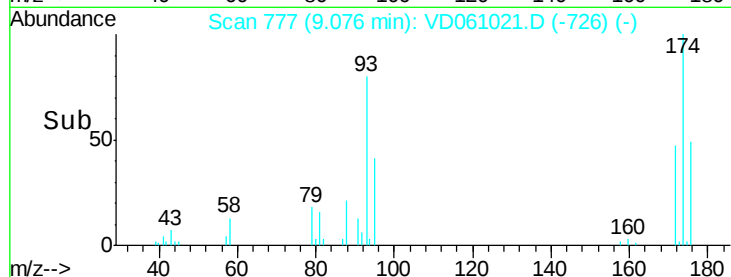
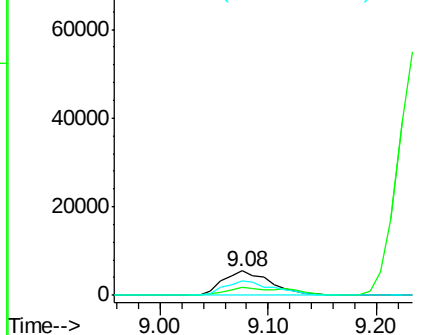
#49
1,4-Dioxane
Concen: 409.905 ug/l
RT: 9.08 min Scan# 777
Delta R.T. 0.01 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Tot Ion: 88 Resp: 16552
Ion Ratio Lower Upper
88 100
43 31.8 21.0 31.6#
58 59.7 48.6 72.8

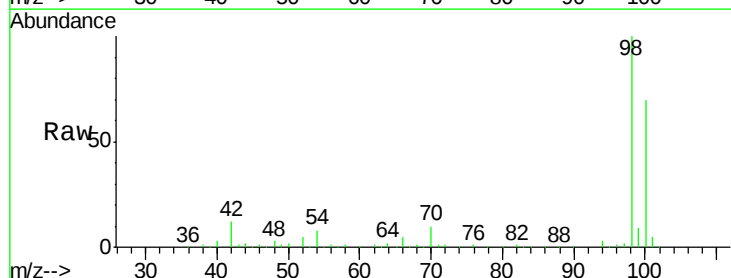


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

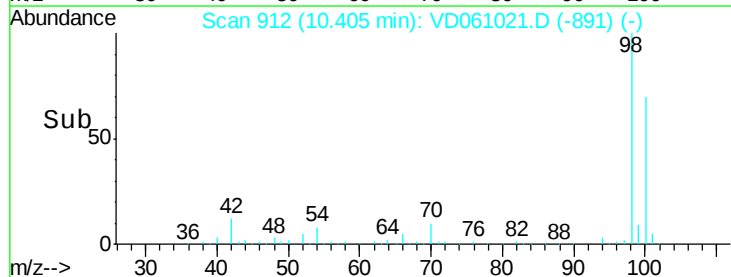
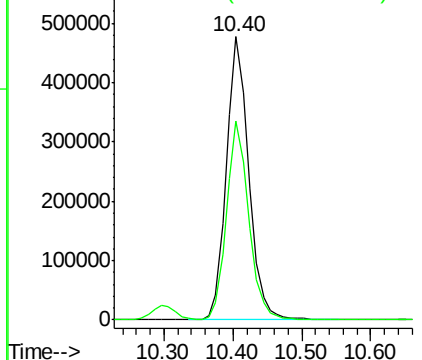


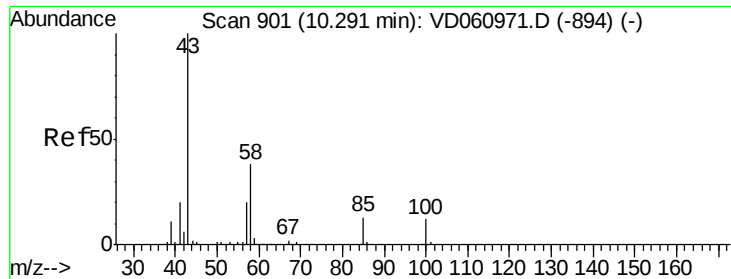
#50
Toluene-d8
Concen: 409.905 ug/l
RT: 10.40 min Scan# 912
Delta R.T. 0.01 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 98 Resp: 1076074
Ion Ratio Lower Upper
98 100
100 70.2 57.4 86.2



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

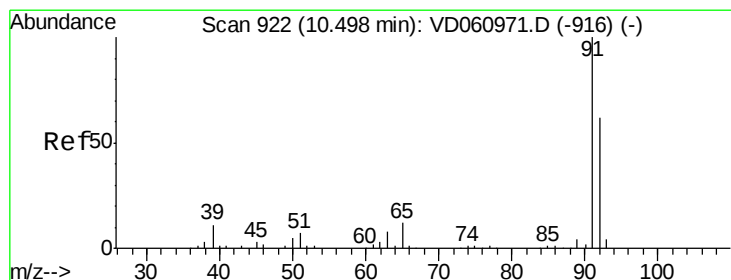
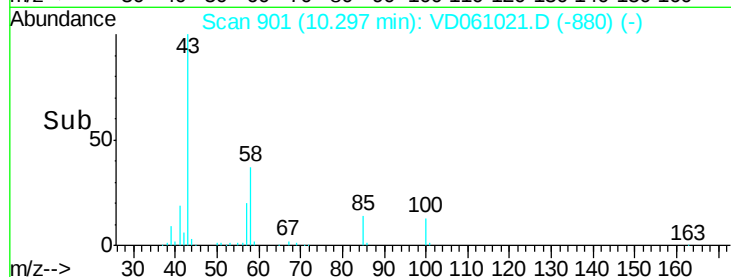
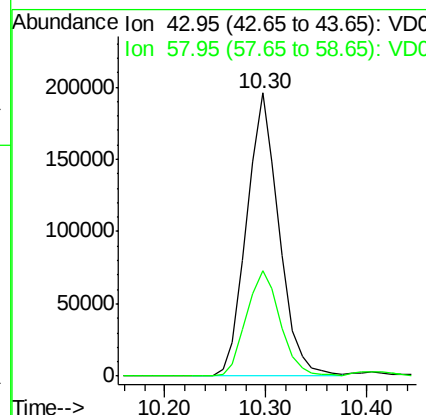
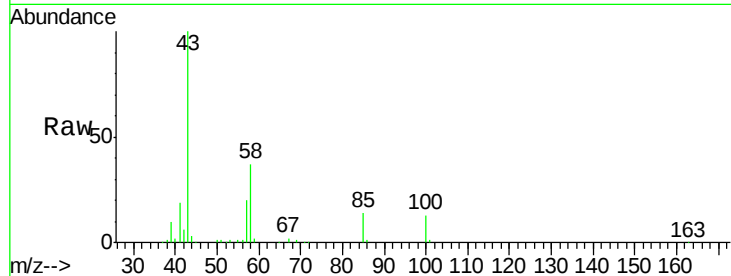




#51
4-Methyl-2-Pentanone
Concen: 100.857 ug/l
RT: 10.30 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

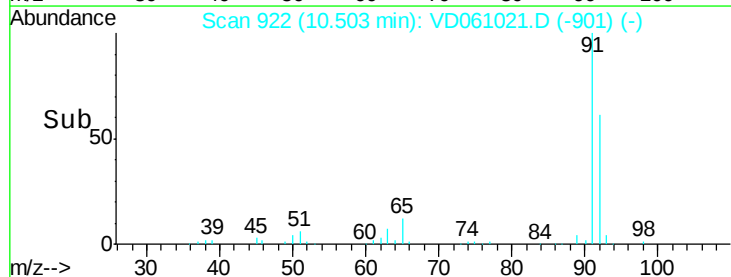
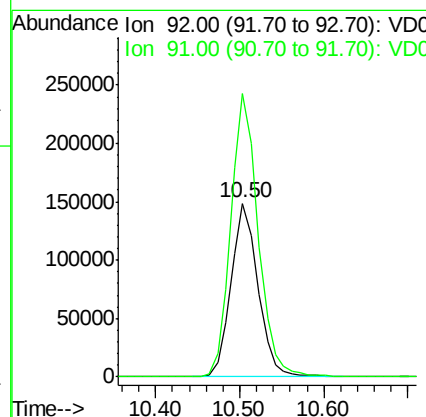
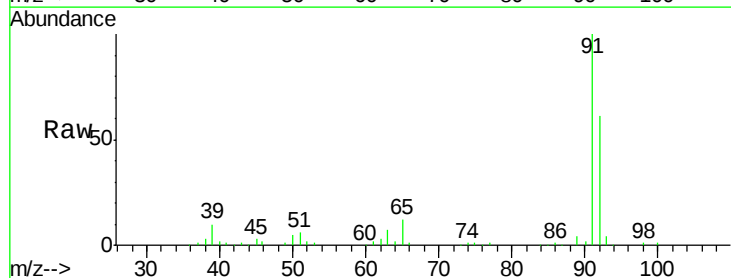
Instrument :
MSVOA_D
ClientSampleId :
VD0312SBS01

Tot Ion: 43 Resp: 438232
Ion Ratio Lower Upper
43 100
58 37.2 30.2 45.2



#52
Toluene
Concen: 19.529 ug/l
RT: 10.50 min Scan# 922
Delta R.T. 0.01 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 92 Resp: 331135
Ion Ratio Lower Upper
92 100
91 162.9 129.8 194.8

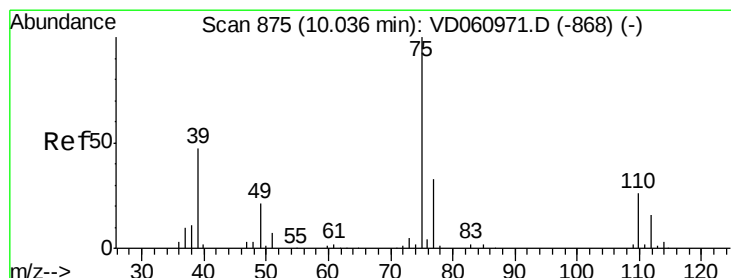
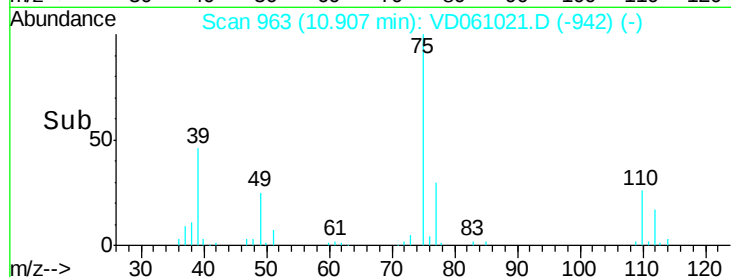
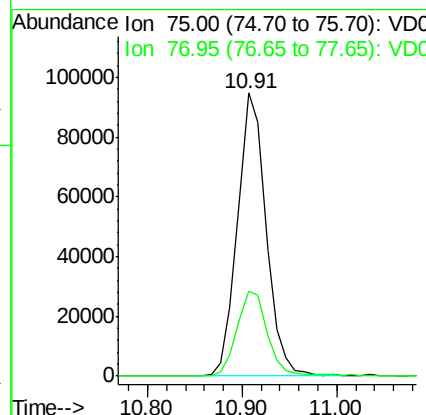
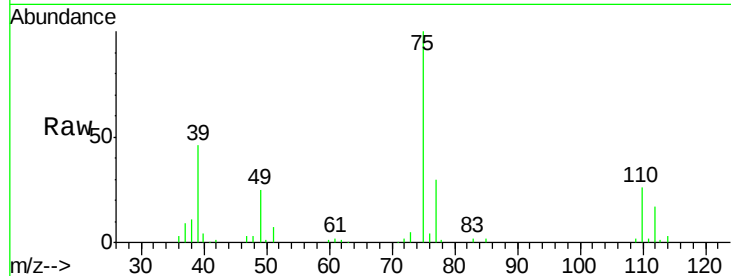




#53
 t-1,3-Dichloropropene
 Concen: 21.224 ug/l
 RT: 10.91 min Scan# 963
 Delta R.T. 0.01 min
 Lab File: VD061021.D
 Acq: 12 Mar 2019 13:51

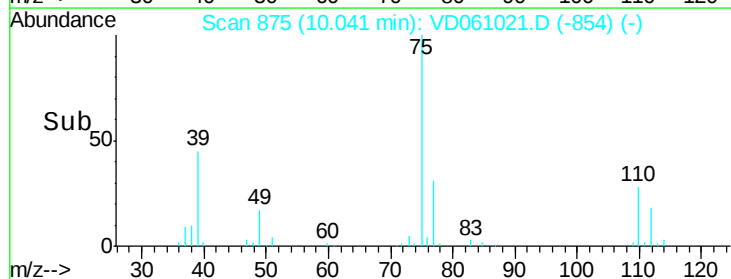
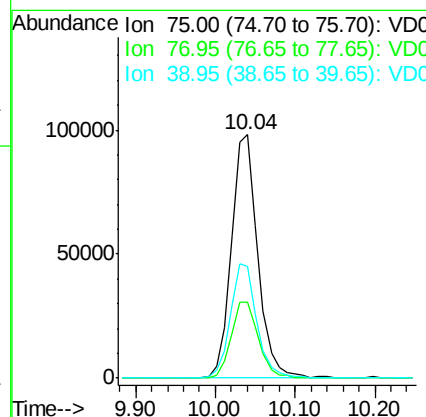
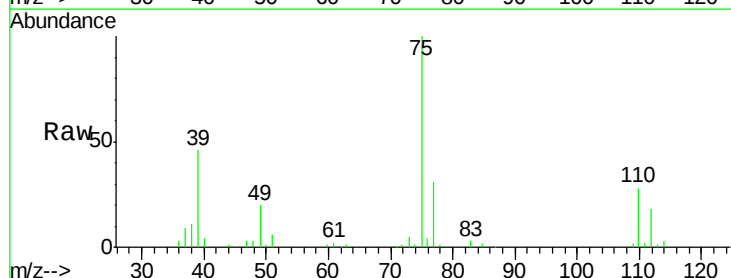
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBSD01

Tot Ion: 75 Resp: 199004
 Ion Ratio Lower Upper
 75 100
 77 30.0 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 20.255 ug/l
 RT: 10.04 min Scan# 875
 Delta R.T. 0.01 min
 Lab File: VD061021.D
 Acq: 12 Mar 2019 13:51

Tgt Ion: 75 Resp: 228195
 Ion Ratio Lower Upper
 75 100
 77 31.3 26.2 39.4
 39 45.8 37.8 56.8

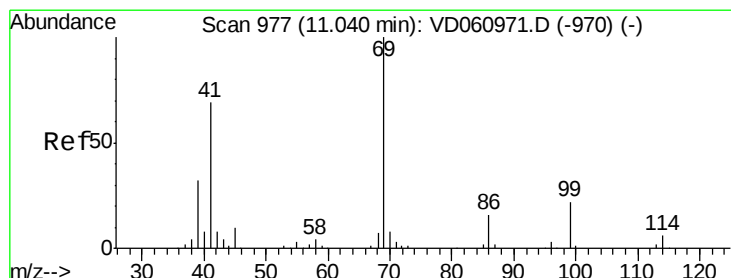
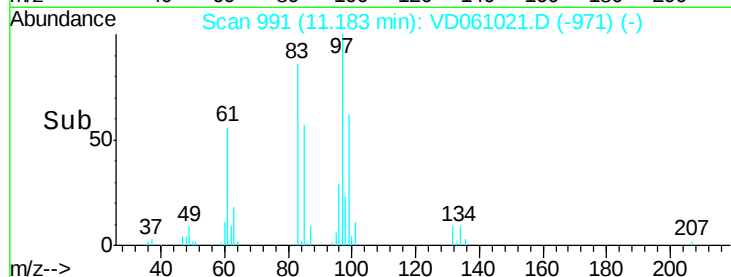
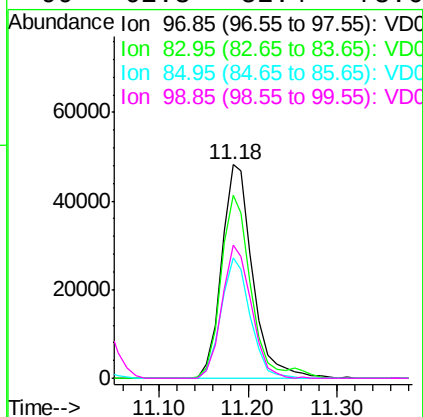
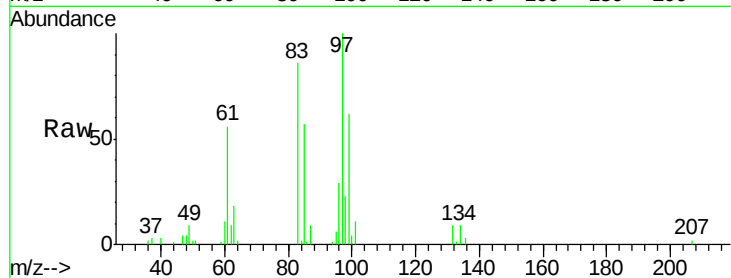




#55
 1,1,2-Trichloroethane
 Concen: 20.766 ug/l
 RT: 11.18 min Scan# 991
 Delta R.T. -0.00 min
 Lab File: VD061021.D
 Acq: 12 Mar 2019 13:51

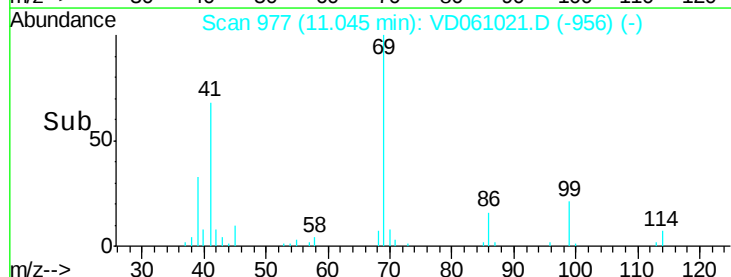
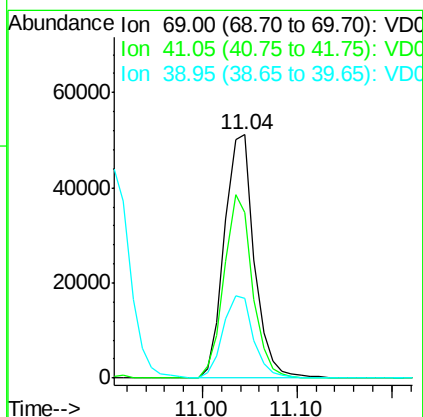
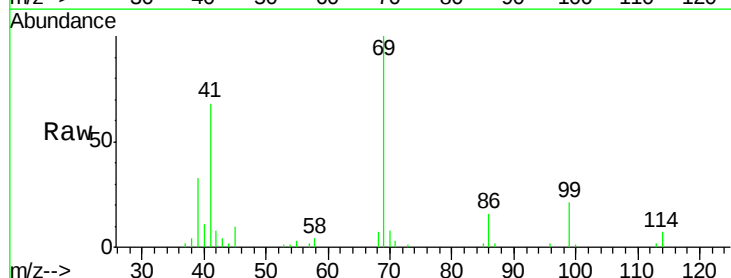
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBSD01

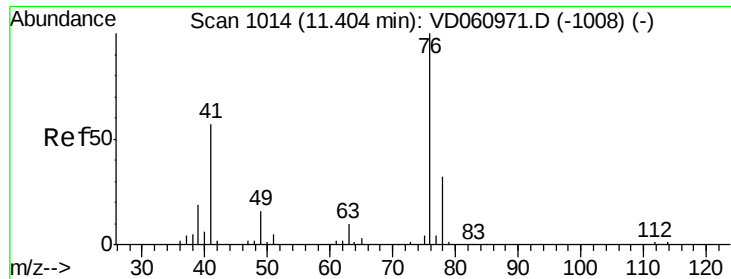
Tot Ion:	97	Resp:	117262
Ion	Ratio	Lower	Upper
97	100		
83	85.6	66.6	100.0
85	56.6	46.4	69.6
99	62.3	52.4	78.6



#56
 Ethyl methacrylate
 Concen: 19.005 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. 0.01 min
 Lab File: VD061021.D
 Acq: 12 Mar 2019 13:51

Tgt Ion:	69	Resp:	112326
Ion	Ratio	Lower	Upper
69	100		
41	67.8	55.5	83.3
39	32.8	26.2	39.2





#57

1,3-Dichloropropane

Concen: 20.734 ug/l

RT: 11.41 min Scan# 1014

Delta R.T. 0.01 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

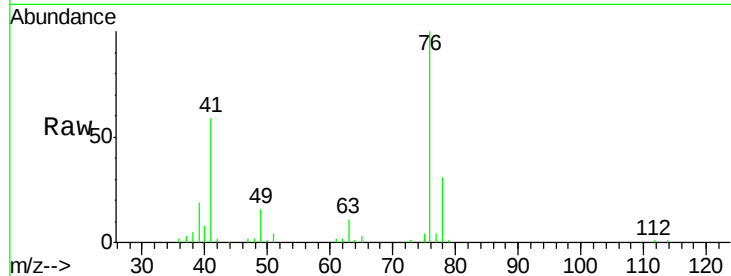
VD0312SBSD01

Tot Ion: 76 Resp: 174963

Ion Ratio Lower Upper

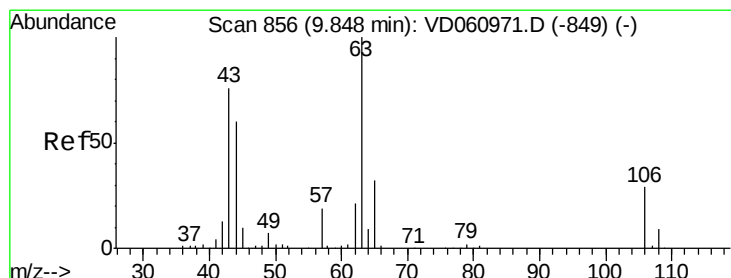
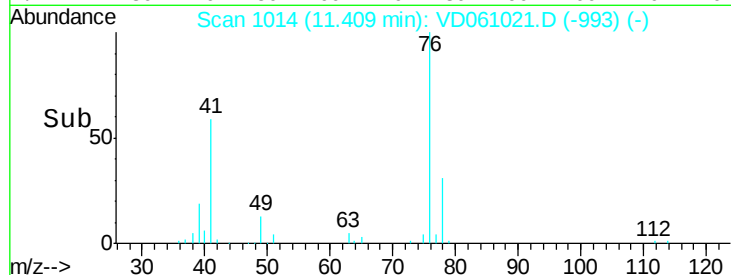
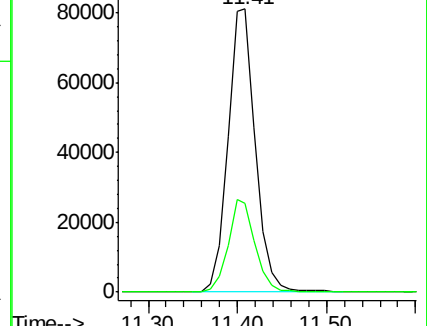
76 100

78 31.5 25.4 38.0



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 95.612 ug/l

RT: 9.85 min Scan# 856

Delta R.T. 0.01 min

Lab File: VD061021.D

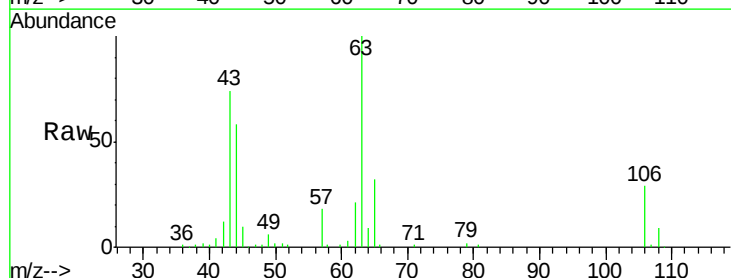
Acq: 12 Mar 2019 13:51

Tgt Ion: 63 Resp: 299128

Ion Ratio Lower Upper

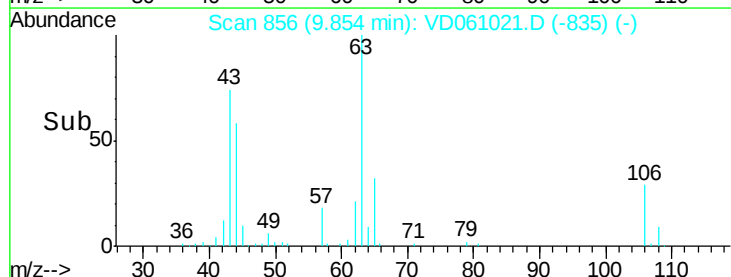
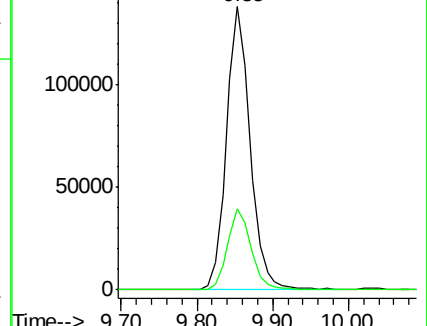
63 100

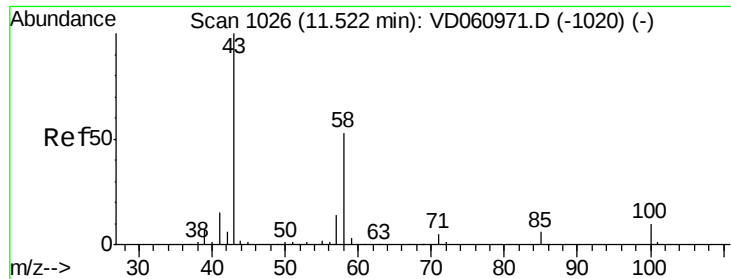
106 28.8 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

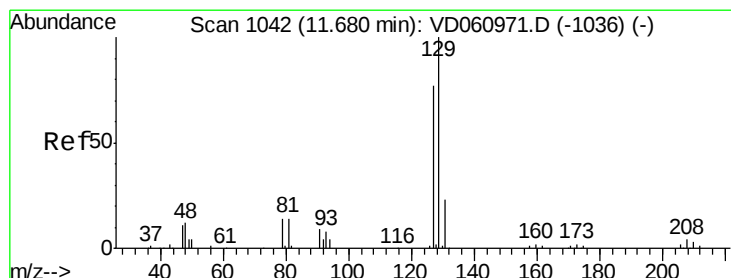
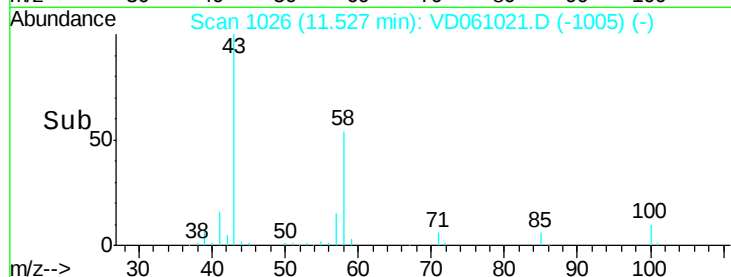
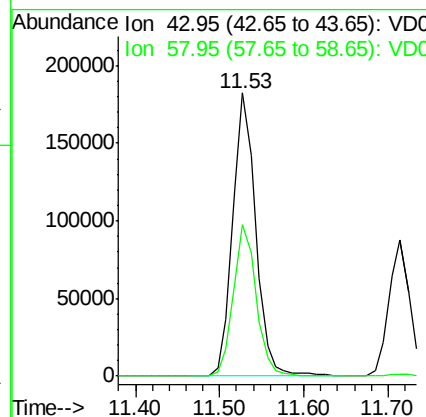
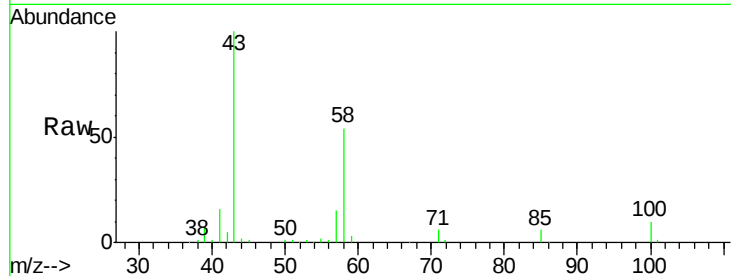




#59
2-Hexanone
Concen: 109.053 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. 0.01 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

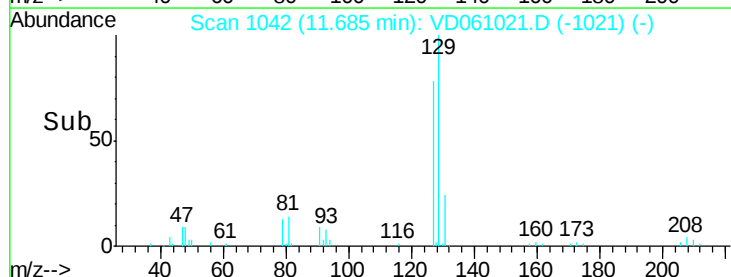
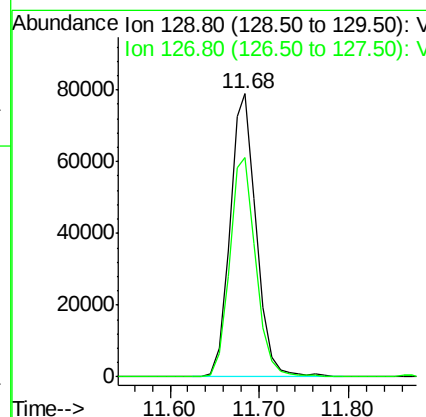
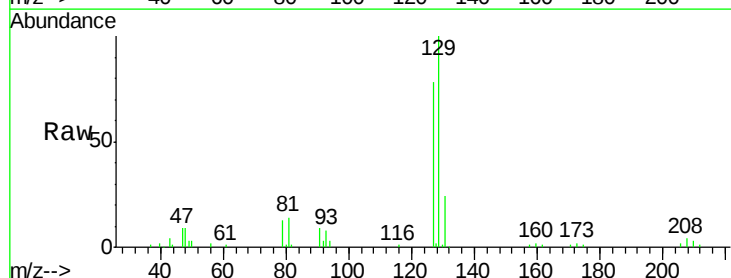
Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

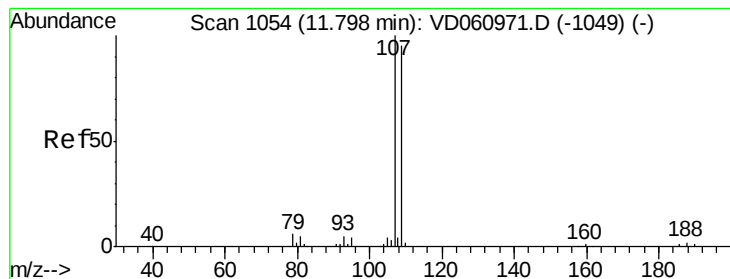
Tot Ion: 43 Resp: 346614
Ion Ratio Lower Upper
43 100
58 53.7 26.5 79.5



#60
Dibromochloromethane
Concen: 19.566 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. 0.01 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 129 Resp: 162603
Ion Ratio Lower Upper
129 100
127 77.7 38.3 114.9





#61

1,2-Dibromoethane

Concen: 19.984 ug/l

RT: 11.80 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

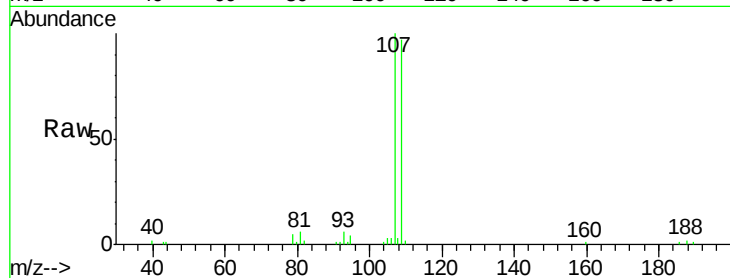
VD0312SBS01

Tot Ion:107 Resp: 131267

Ion Ratio Lower Upper

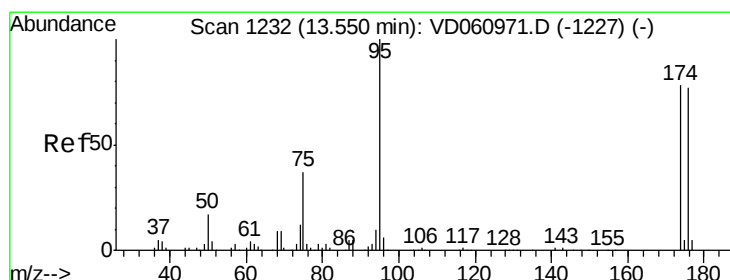
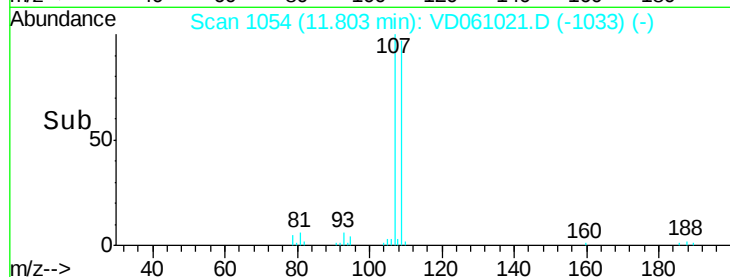
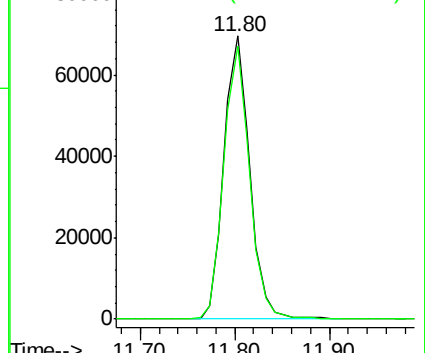
107 100

109 96.6 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 19.984 ug/l

RT: 13.56 min Scan# 1232

Delta R.T. 0.01 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

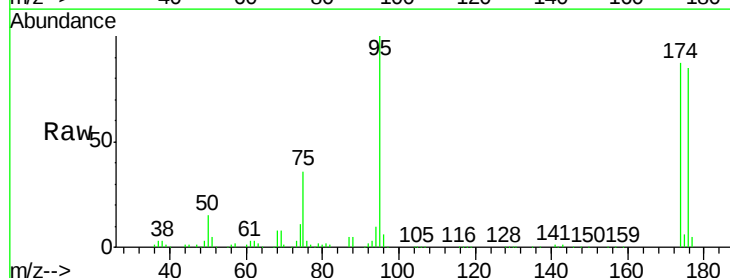
Tgt Ion: 95 Resp: 389992

Ion Ratio Lower Upper

95 100

174 86.8 0.0 155.6

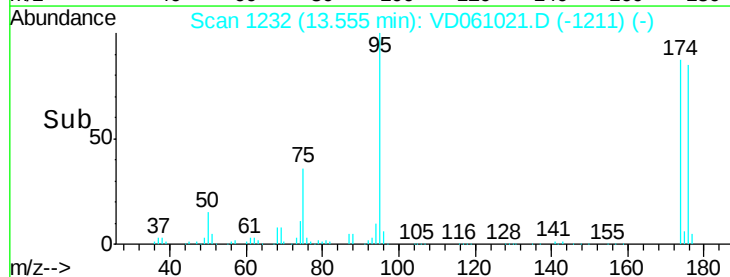
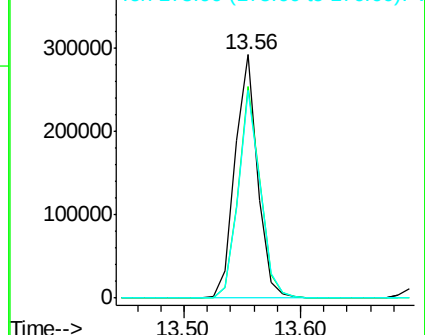
176 85.4 0.0 153.8

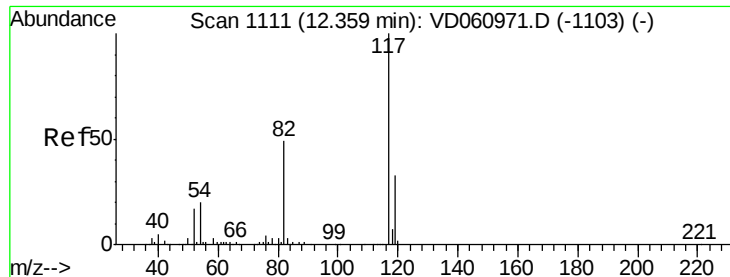


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

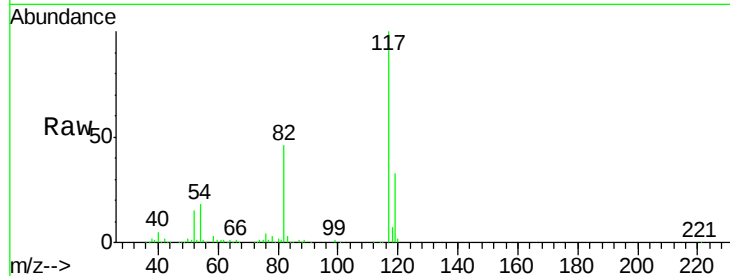




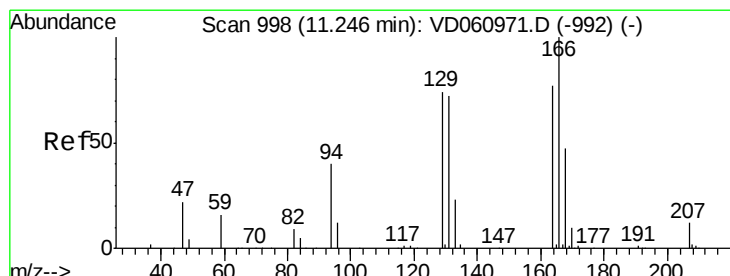
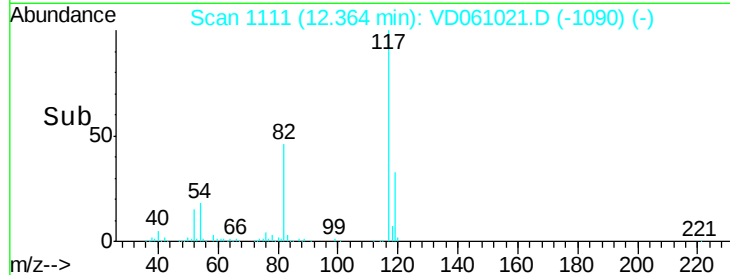
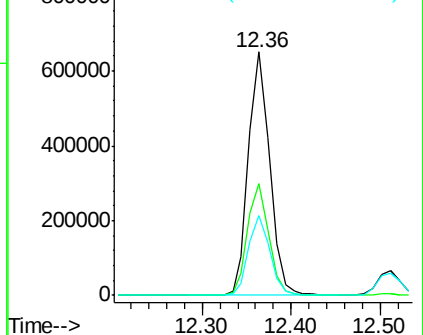
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. 0.01 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Tot Ion:117 Resp: 1079444
Ion Ratio Lower Upper
117 100
82 45.7 38.9 58.3
119 32.5 26.6 39.8

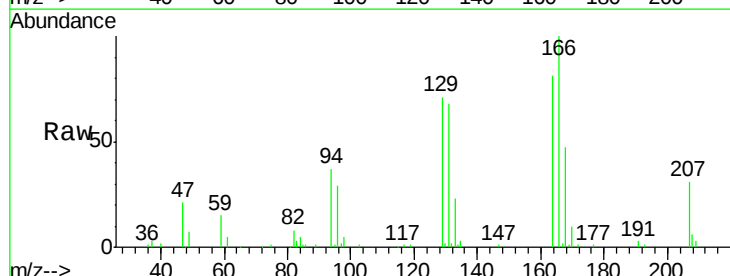


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

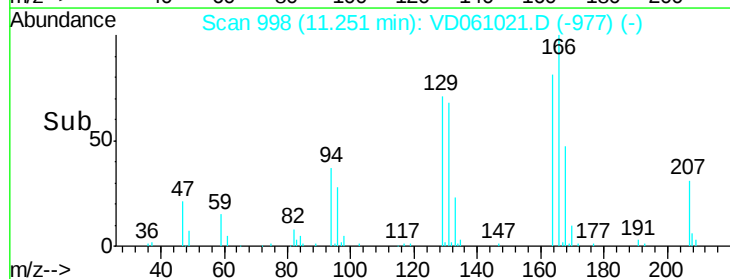
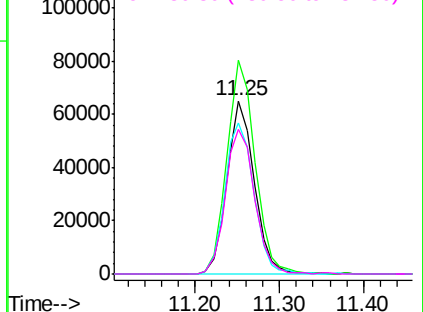


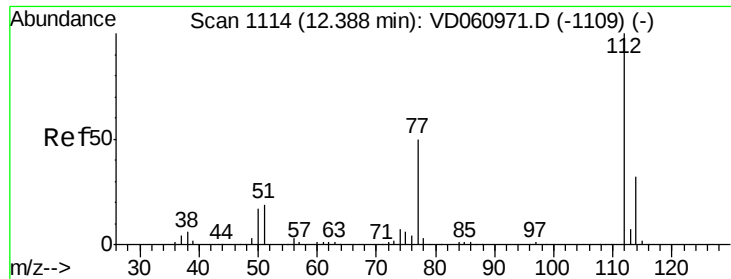
#64
Tetrachloroethene
Concen: 20.129 ug/l
RT: 11.25 min Scan# 998
Delta R.T. 0.01 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Tgt Ion:164 Resp: 146672
Ion Ratio Lower Upper
164 100
166 123.5 103.4 155.0
129 87.5 76.9 115.3
131 83.8 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

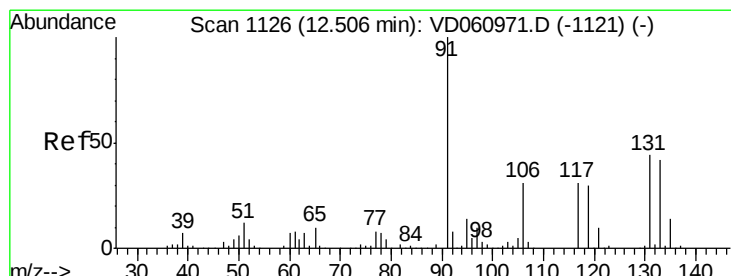
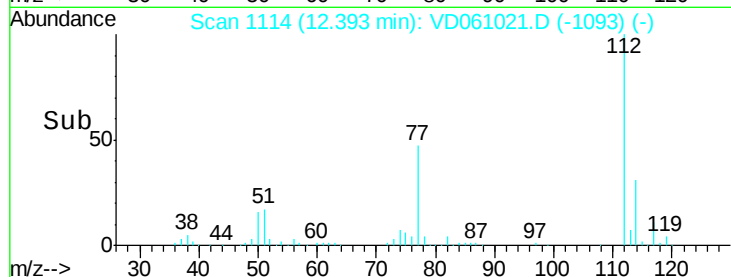
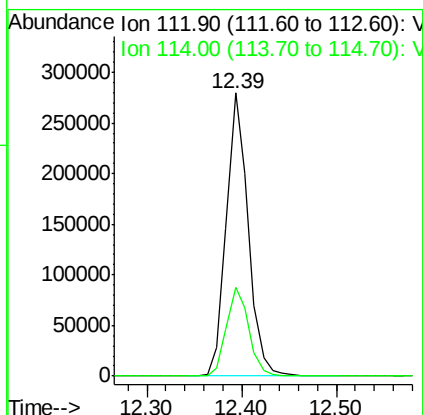
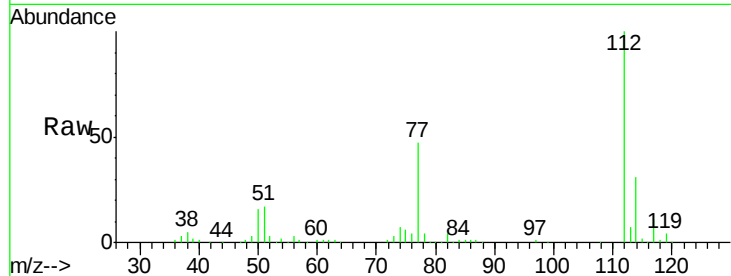




#65
Chlorobenzene
Concen: 21.126 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

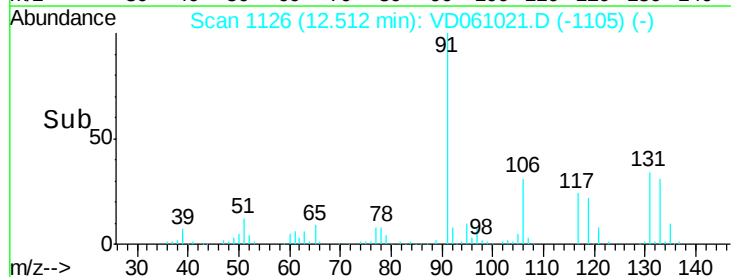
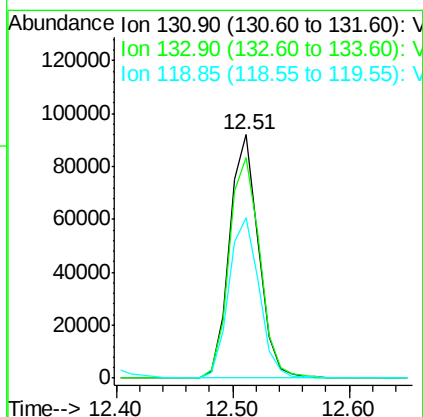
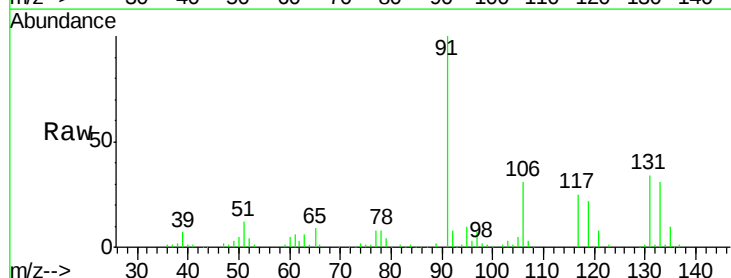
Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Tot Ion:112 Resp: 447067
Ion Ratio Lower Upper
112 100
114 31.5 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.974 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. 0.01 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Tgt Ion:131 Resp: 158212
Ion Ratio Lower Upper
131 100
133 90.8 47.8 143.3
119 65.8 34.3 102.9

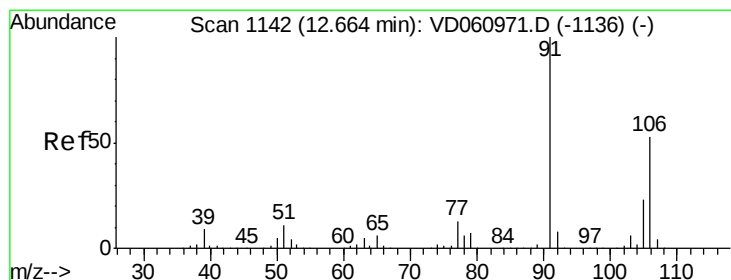
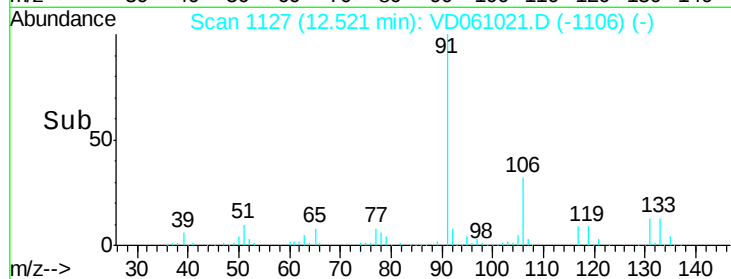
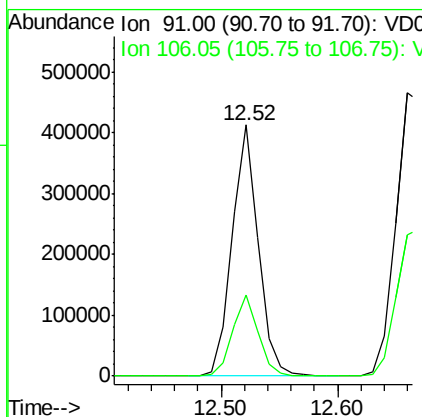
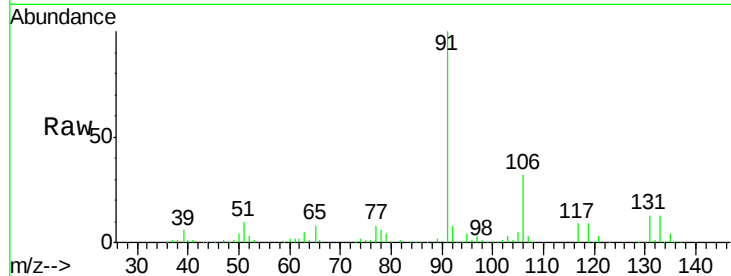




#67
Ethyl Benzene
Concen: 20.440 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

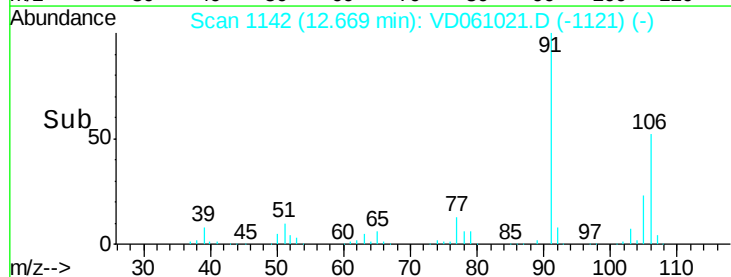
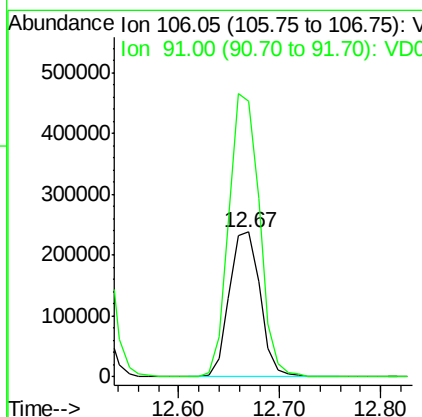
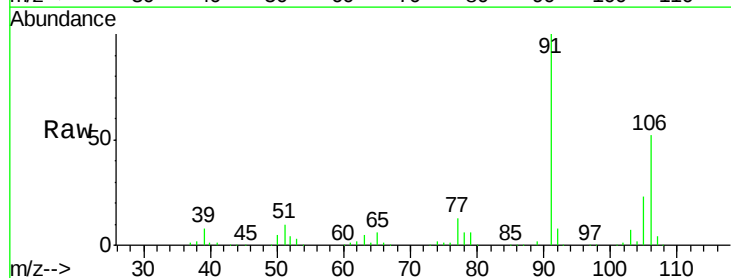
Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

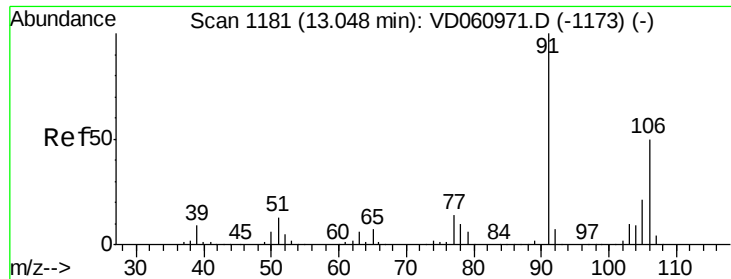
Tot Ion: 91 Resp: 643958
Ion Ratio Lower Upper
91 100
106 32.2 25.7 38.5



#68
m/p-Xylenes
Concen: 40.829 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. 0.01 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 106 Resp: 504861
Ion Ratio Lower Upper
106 100
91 190.5 152.0 228.0

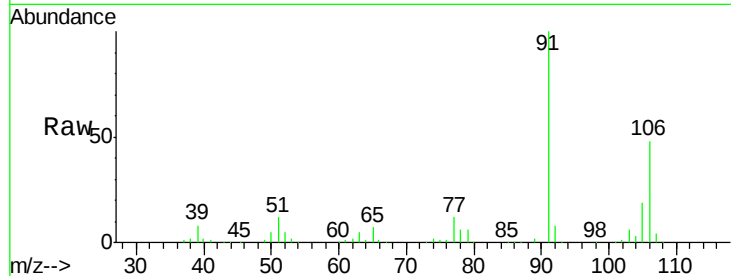




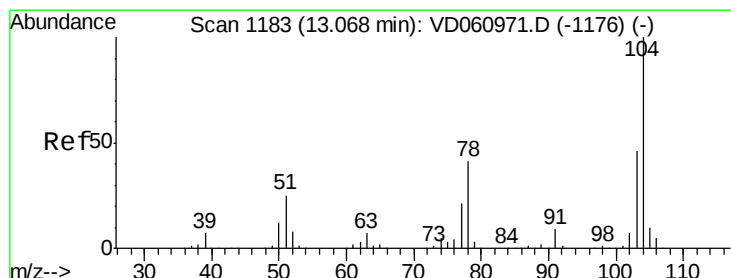
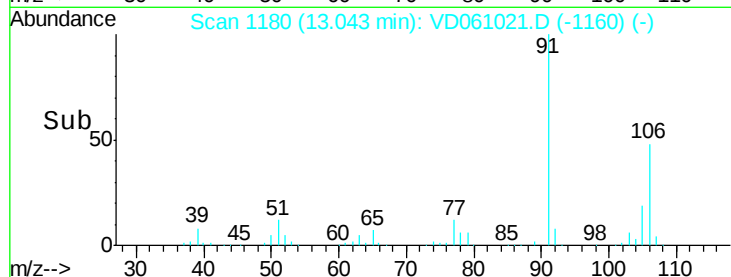
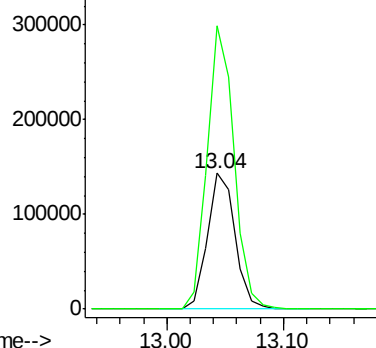
#69
o-Xylene
Concen: 19.333 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Tot Ion:106 Resp: 234982
Ion Ratio Lower Upper
106 100
91 208.5 99.8 299.3

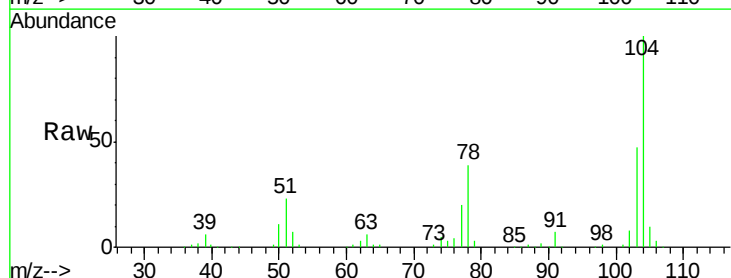


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

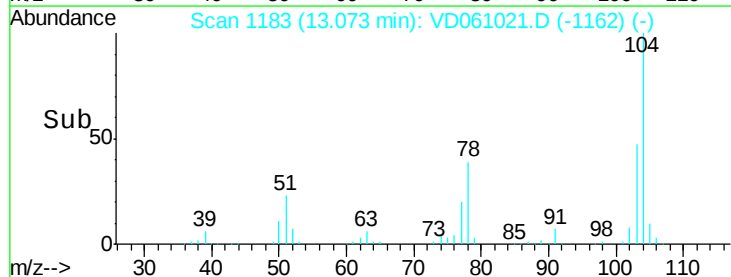
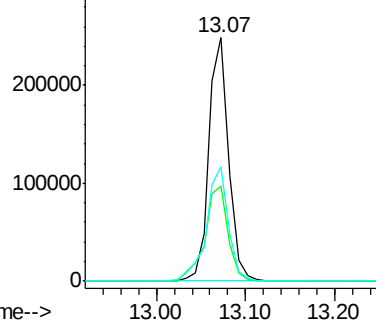


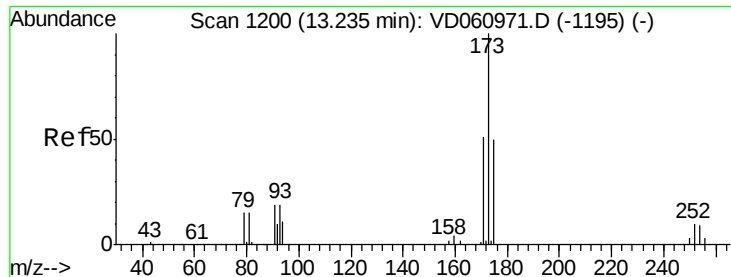
#70
Styrene
Concen: 19.460 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. 0.01 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Tgt Ion:104 Resp: 386222
Ion Ratio Lower Upper
104 100
78 38.9 33.0 49.4
103 46.9 37.1 55.7



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





#71

Bromoform

Concen: 20.025 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

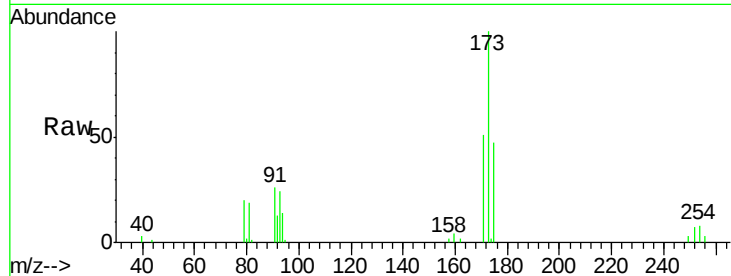
Tot Ion:173 Resp: 97445

Ion Ratio Lower Upper

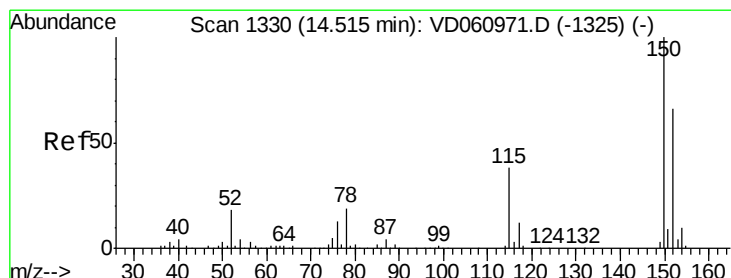
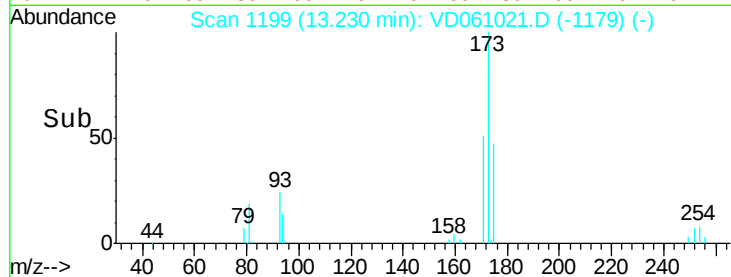
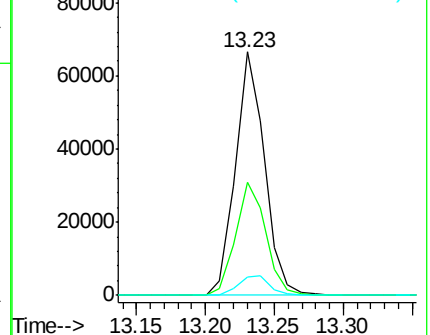
173 100

175 46.5 24.9 74.8

254 7.6 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: 14.52 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

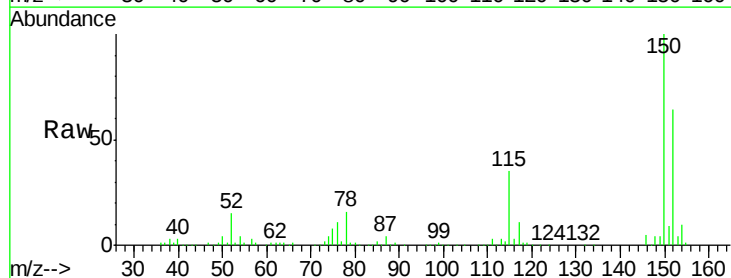
Tgt Ion:152 Resp: 435488

Ion Ratio Lower Upper

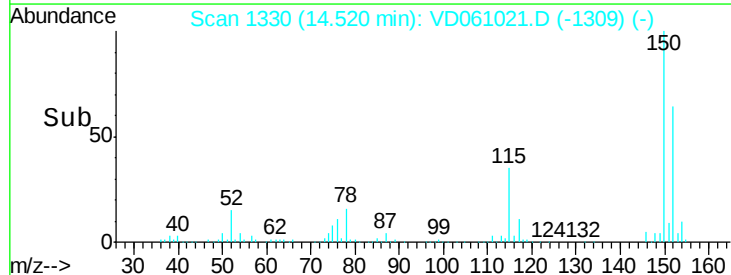
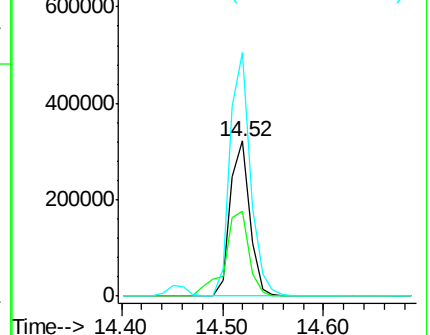
152 100

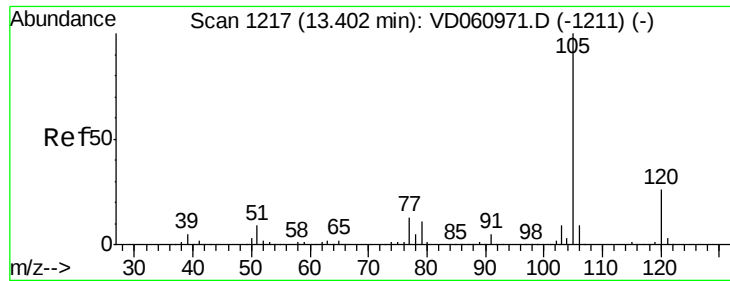
115 54.5 28.6 85.9

150 156.9 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

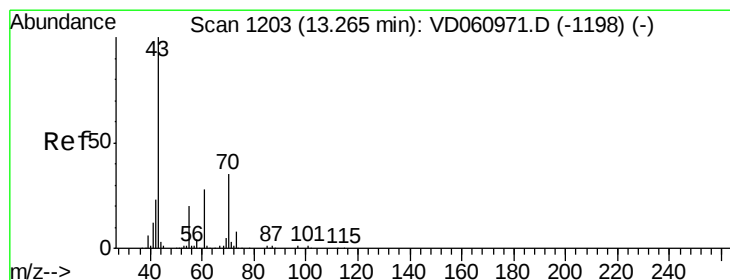
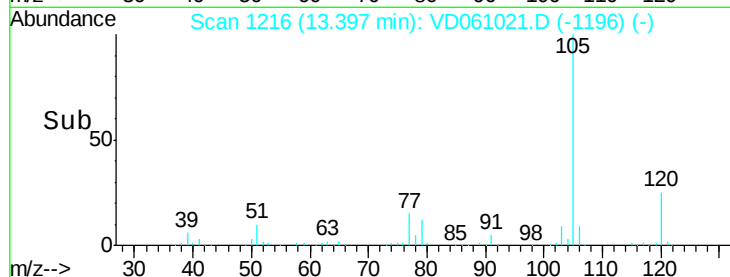
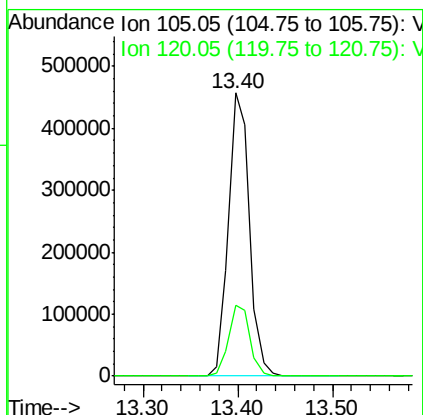
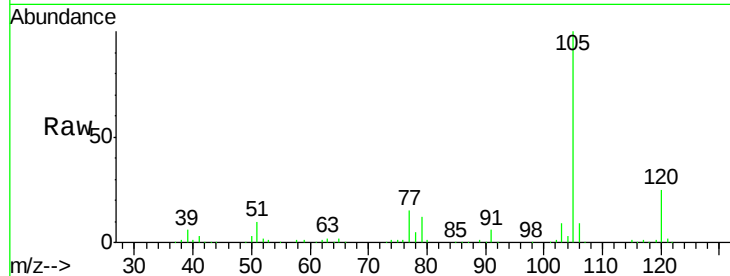




#73
Isopropylbenzene
Concen: 22.376 ug/l
RT: 13.40 min Scan# 1216
Delta R.T. -0.00 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

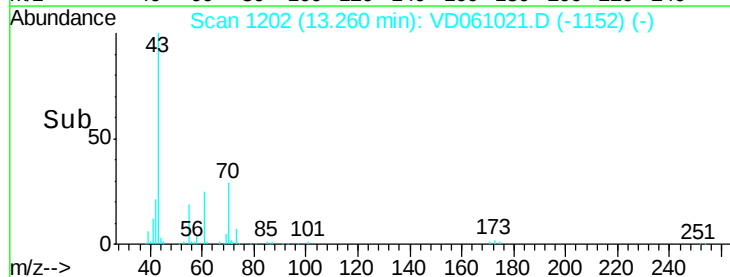
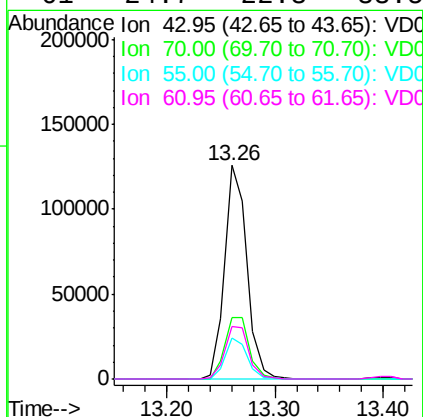
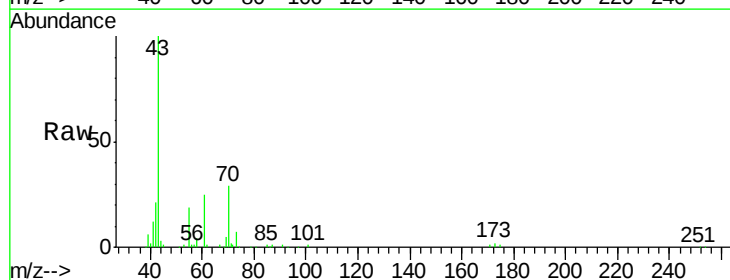
Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

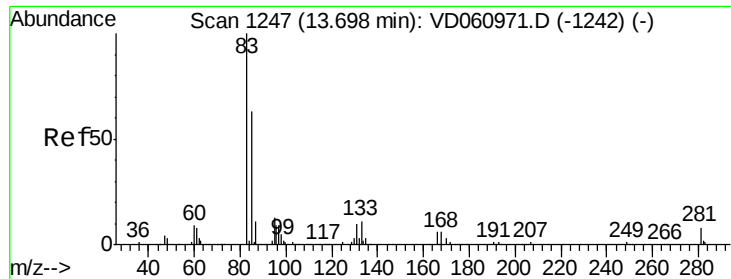
Tot Ion:105 Resp: 702261
Ion Ratio Lower Upper
105 100
120 25.2 12.8 38.4



#74
N-ethyl acetate
Concen: 20.353 ug/l
RT: 13.26 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 43 Resp: 179863
Ion Ratio Lower Upper
43 100
70 29.0 27.7 41.5
55 19.5 16.2 24.2
61 24.7 22.3 33.5





#75

1,1,2,2-Tetrachloroethane

Concen: 20.334 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

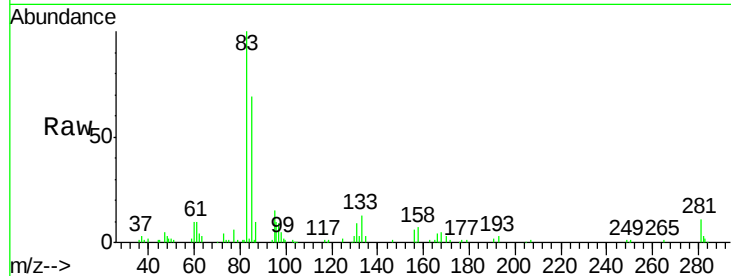
Tot Ion: 83 Resp: 124511

Ion Ratio Lower Upper

83 100

131 8.7 5.1 15.3

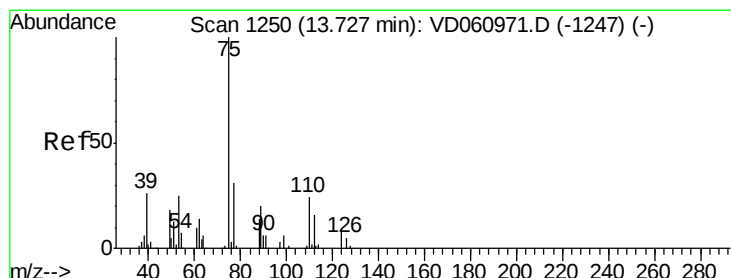
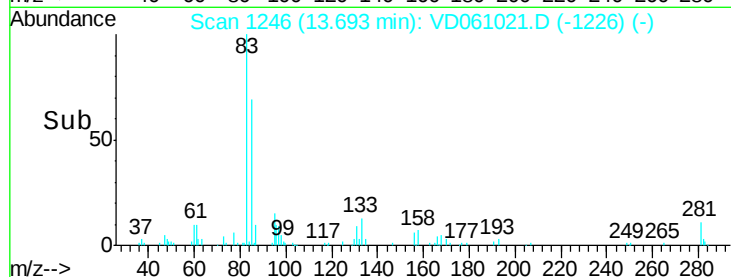
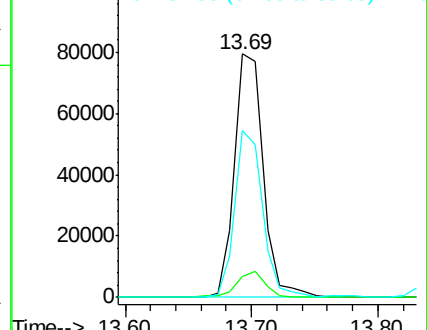
85 68.7 31.5 94.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.602 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. 0.01 min

Lab File: VD061021.D

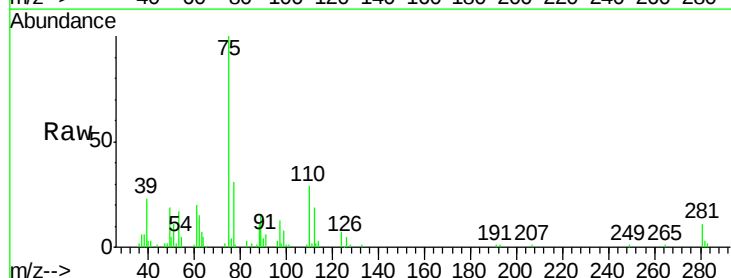
Acq: 12 Mar 2019 13:51

Tgt Ion: 75 Resp: 135344

Ion Ratio Lower Upper

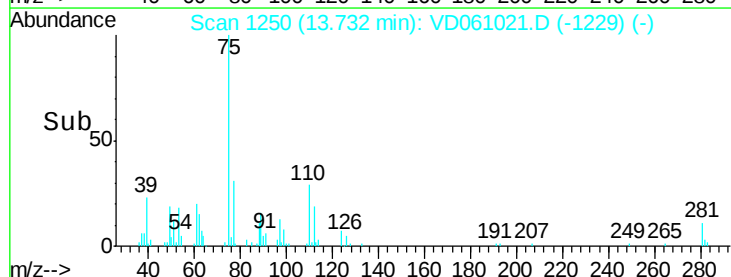
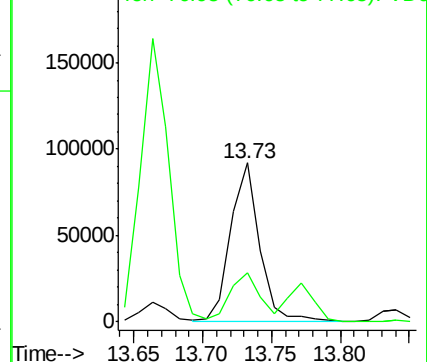
75 100

77 30.8 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.724 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

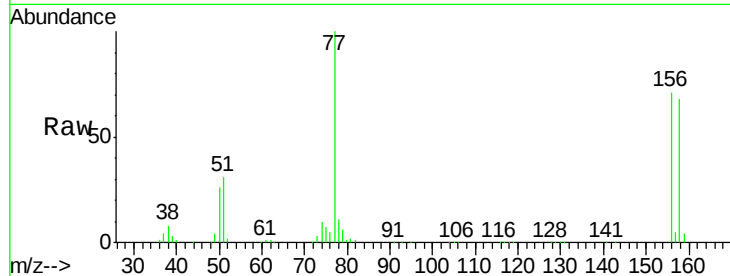
Tot Ion:156 Resp: 182055

Ion Ratio Lower Upper

156 100

77 140.1 55.5 166.7

158 95.1 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

13.66

13.66

13.66

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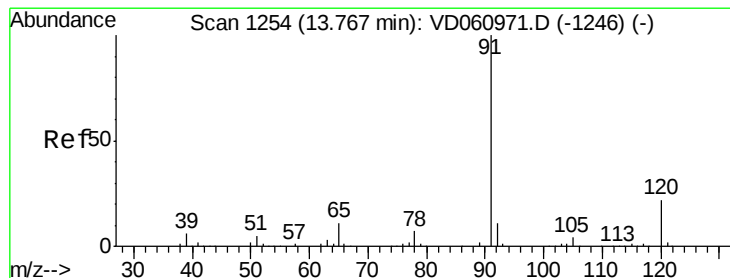
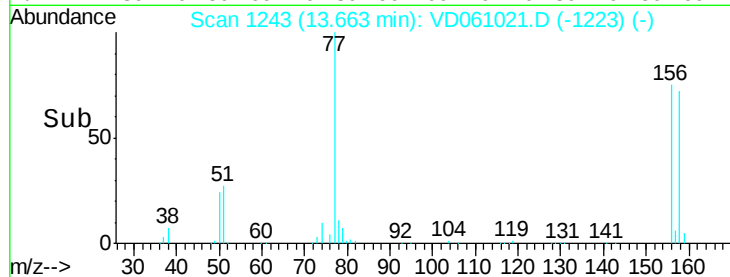
13.66

13.66

13.66

13.66

13.66



#78

n-propylbenzene

Concen: 23.095 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. 0.01 min

Lab File: VD061021.D

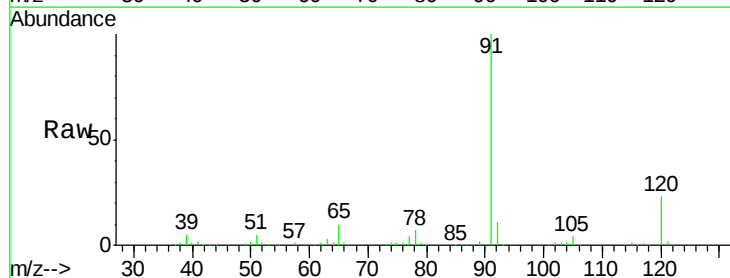
Acq: 12 Mar 2019 13:51

Tgt Ion: 91 Resp: 848538

Ion Ratio Lower Upper

91 100

120 23.3 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

13.77

13.77

13.77

13.77

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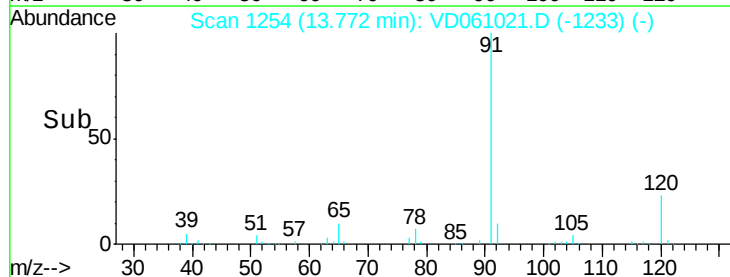
13.77

13.77

13.77

13.77

13.77

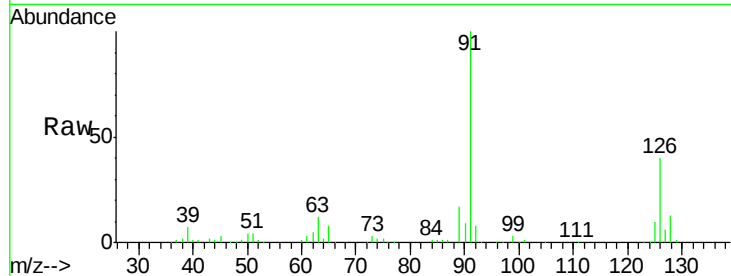




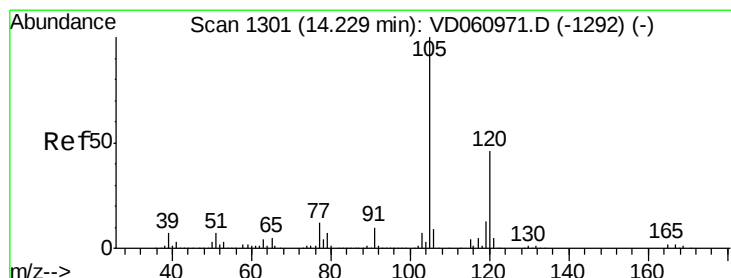
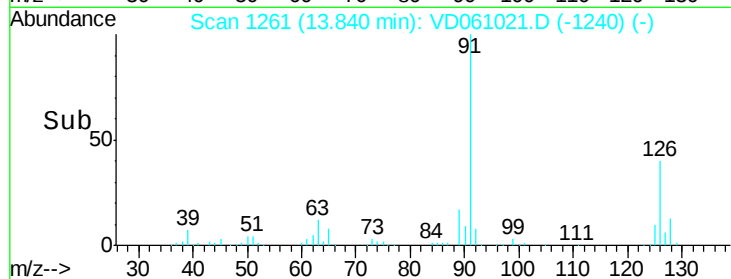
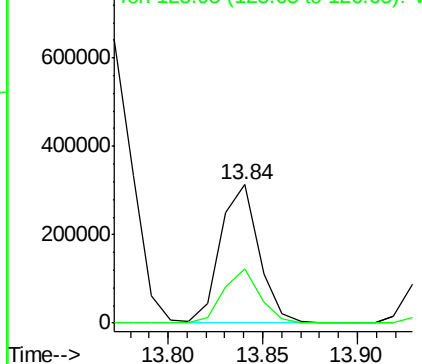
#79
2-Chlorotoluene
Concen: 21.683 ug/l
RT: 13.84 min Scan# 1261
Delta R.T. 0.01 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Tot Ion: 91 Resp: 438593
Ion Ratio Lower Upper
91 100
126 39.6 18.6 55.6

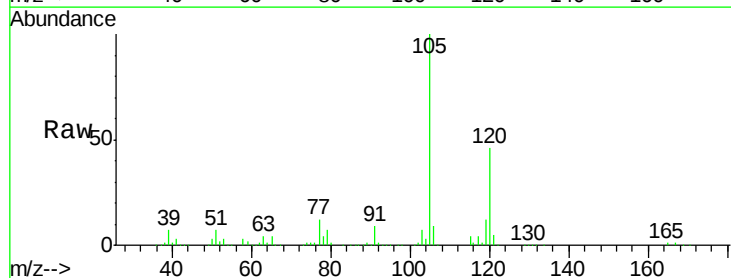


Abundance Ion 91.00 (90.70 to 91.70): VD060971.D (-1258) (-)
Ion 125.95 (125.65 to 126.65): VD060971.D (-1258) (-)

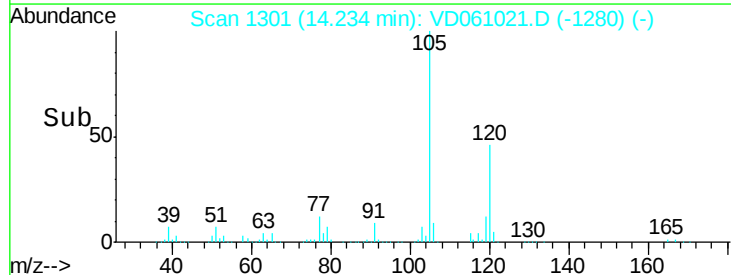
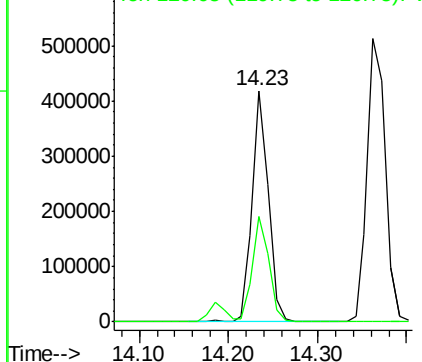


#80
1,3,5-Trimethylbenzene
Concen: 22.108 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Tgt Ion: 105 Resp: 526745
Ion Ratio Lower Upper
105 100
120 45.8 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): VD060971.D (-1292) (-)
Ion 120.05 (119.75 to 120.75): VD060971.D (-1292) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.755 ug/l

RT: 13.47 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

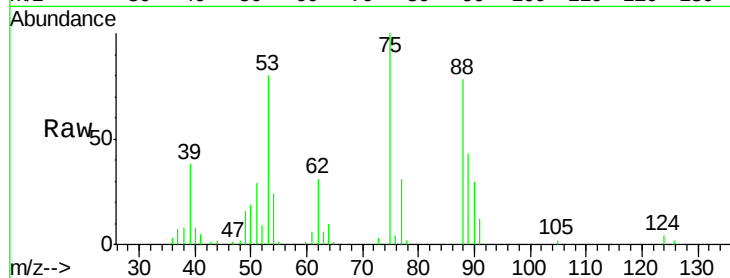
Tot Ion: 75 Resp: 40184

Ion Ratio Lower Upper

75 100

53 80.5 64.4 96.6

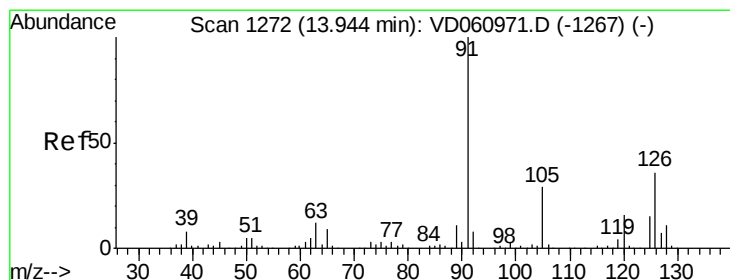
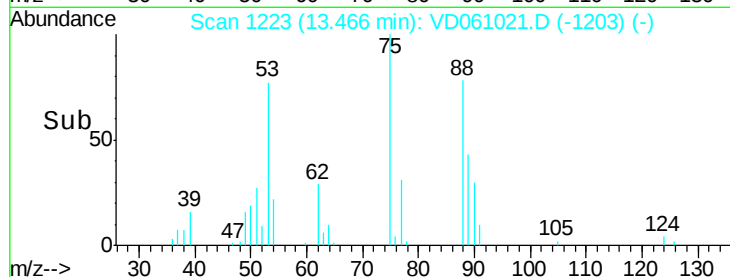
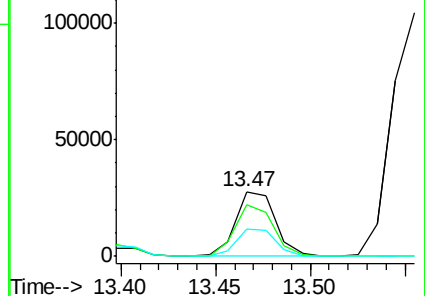
89 42.9 34.8 52.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 20.708 ug/l

RT: 13.95 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD061021.D

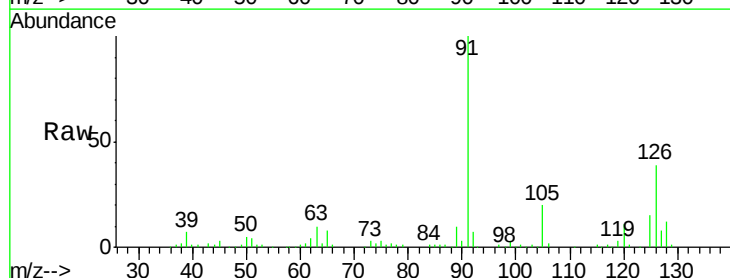
Acq: 12 Mar 2019 13:51

Tgt Ion: 91 Resp: 495203

Ion Ratio Lower Upper

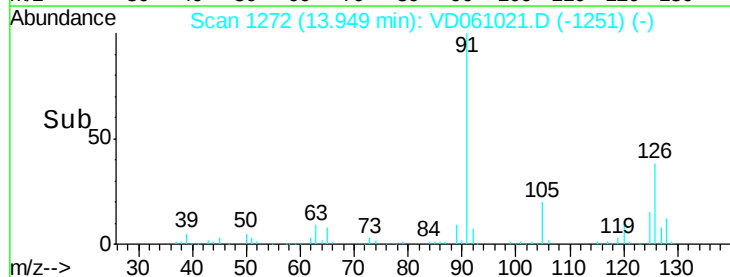
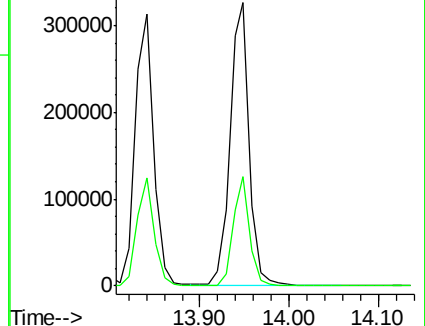
91 100

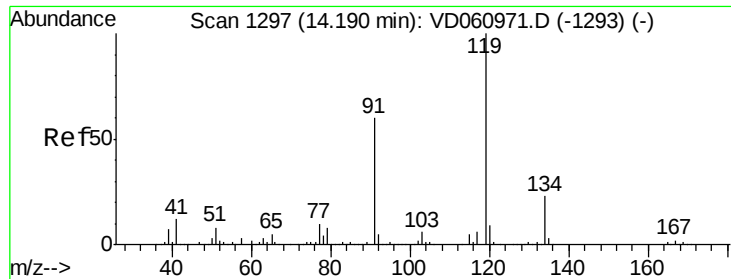
126 38.5 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

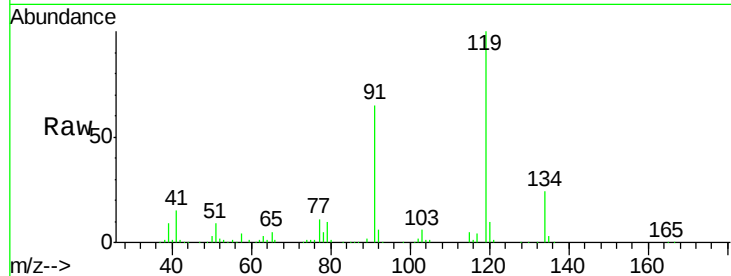




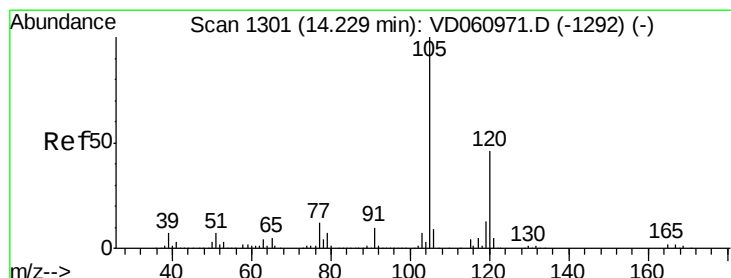
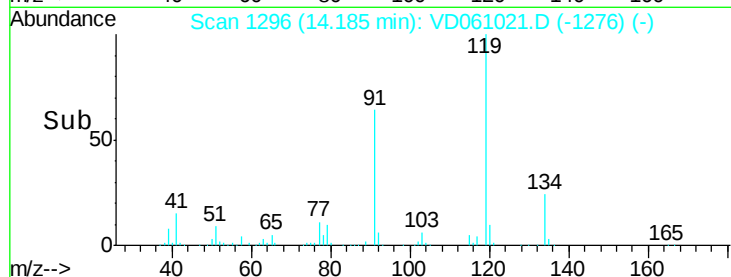
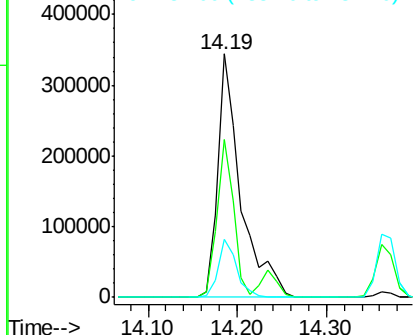
#83
tert-Butylbenzene
Concen: 23.902 ug/l
RT: 14.19 min Scan# 1296
Delta R.T. -0.00 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Instrument :
MSVOA_D
ClientSampleId :
VD0312SBSD01

Tot Ion:119 Resp: 623230
Ion Ratio Lower Upper
119 100
91 65.1 30.1 90.3
134 23.7 11.6 34.7

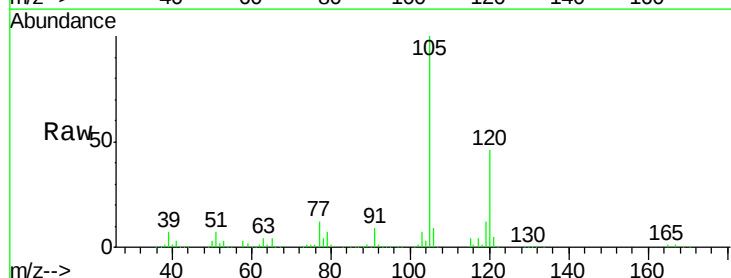


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

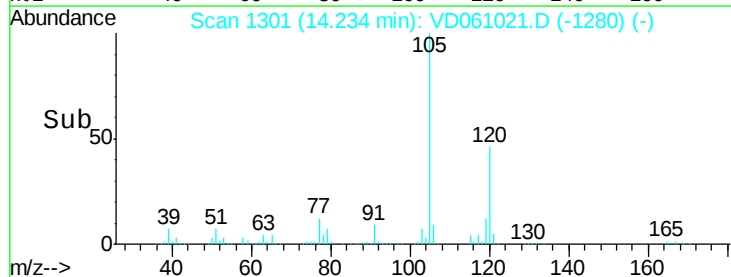
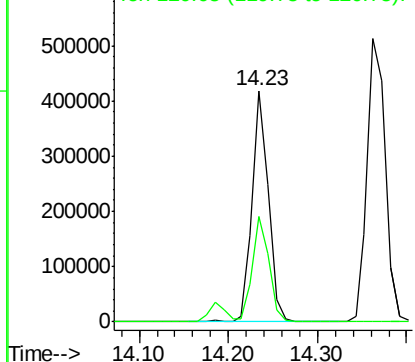


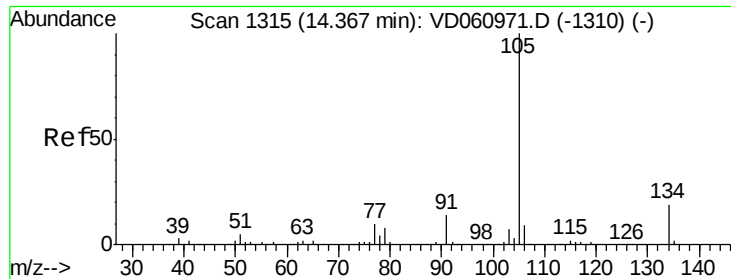
#84
1,2,4-Trimethylbenzene
Concen: 22.108 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. 0.01 min
Lab File: VD061021.D
Acq: 12 Mar 2019 13:51

Tgt Ion:105 Resp: 526745
Ion Ratio Lower Upper
105 100
120 45.8 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: 22.782 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.00 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

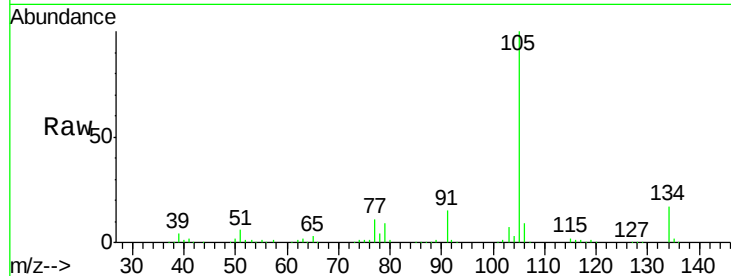
VD0312SBSD01

Tot Ion:105 Resp: 725201

Ion Ratio Lower Upper

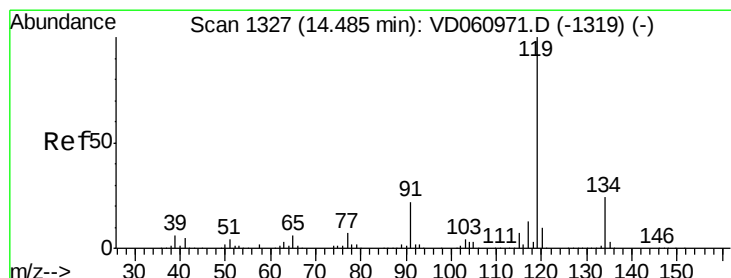
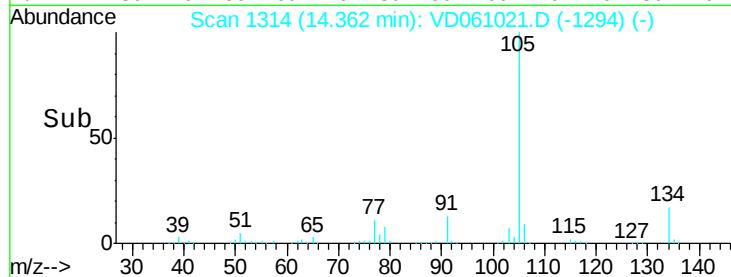
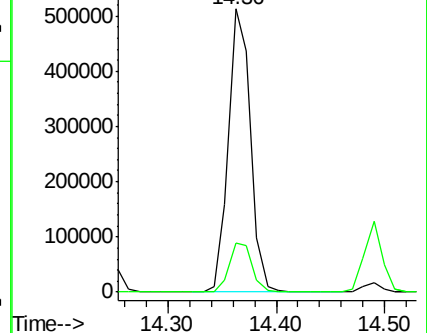
105 100

134 17.4 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: 23.834 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. 0.01 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

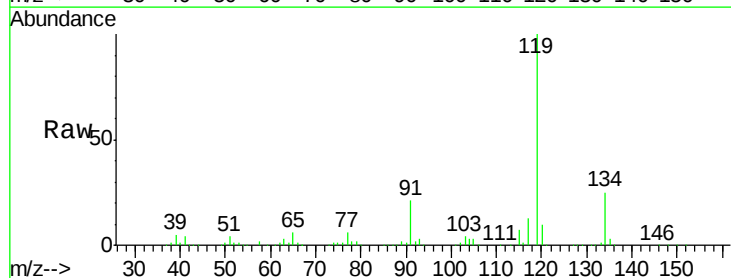
Tgt Ion:119 Resp: 620155

Ion Ratio Lower Upper

119 100

134 24.7 12.0 36.1

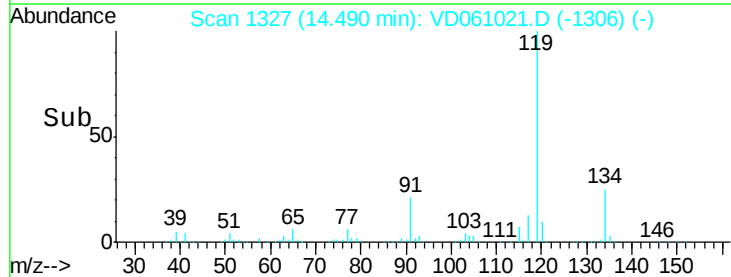
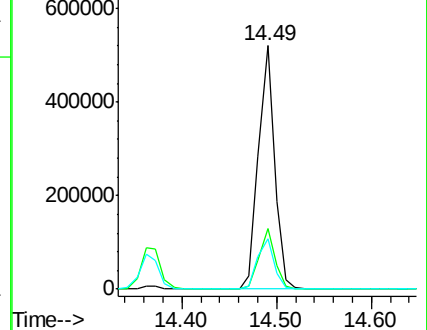
91 20.7 11.2 33.6



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

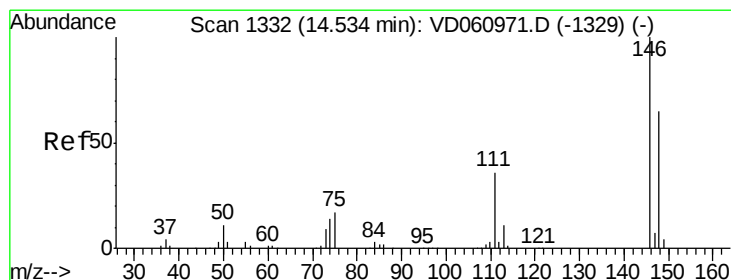
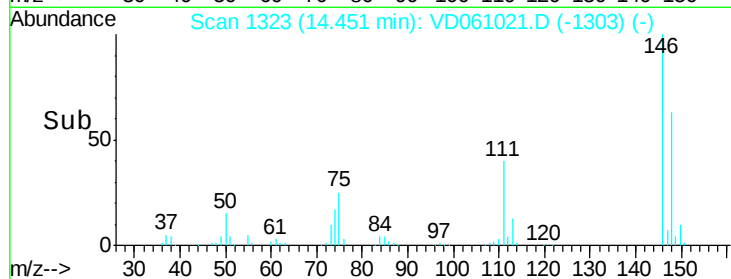
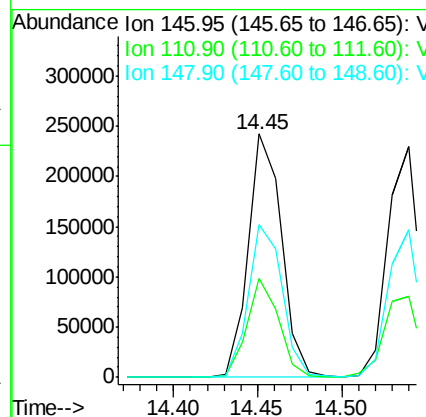
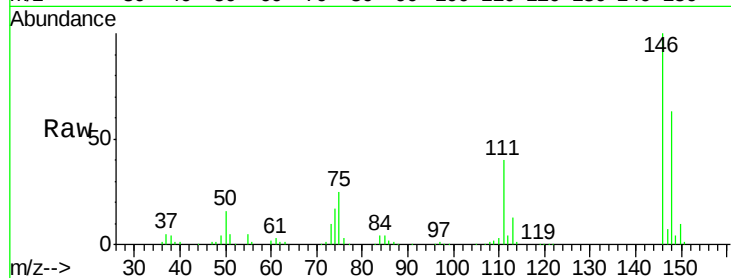




#87
 1,3-Dichlorobenzene
 Concen: 23.288 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD061021.D
 Acq: 12 Mar 2019 13:51

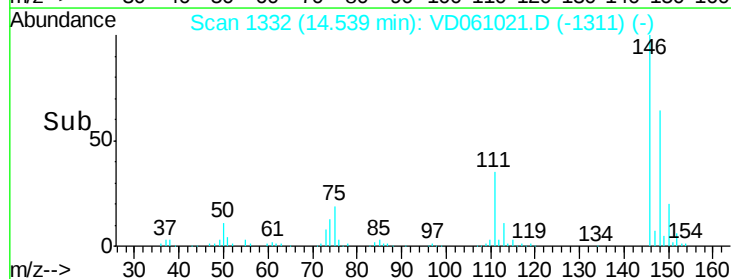
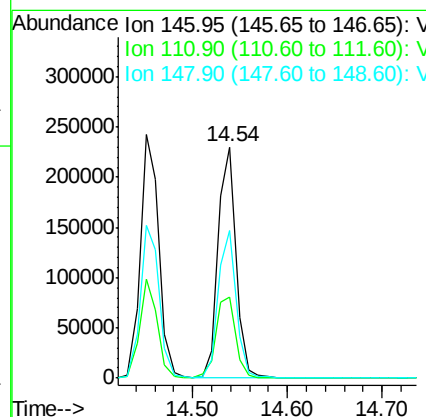
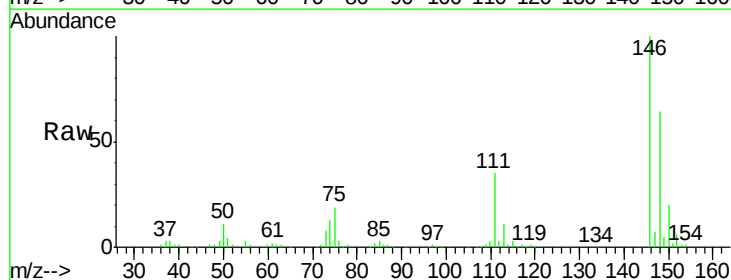
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBS01

Tot Ion:146 Resp: 333150
 Ion Ratio Lower Upper
 146 100
 111 40.4 18.4 55.4
 148 62.5 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 21.635 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. 0.01 min
 Lab File: VD061021.D
 Acq: 12 Mar 2019 13:51

Tgt Ion:146 Resp: 304149
 Ion Ratio Lower Upper
 146 100
 111 35.1 18.4 55.2
 148 64.1 32.5 97.5





#89

n-Butylbenzene

Concen: 21.431 ug/l

RT: 14.80 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBS01

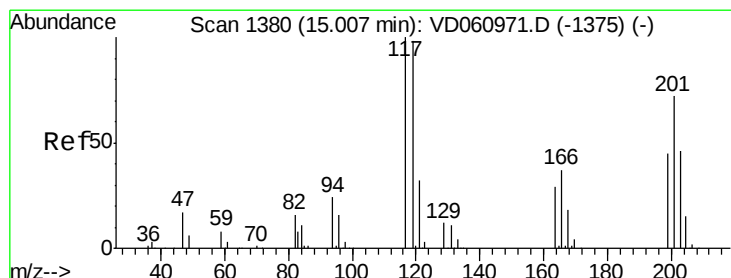
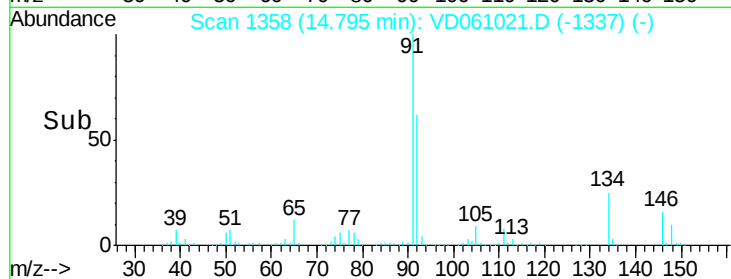
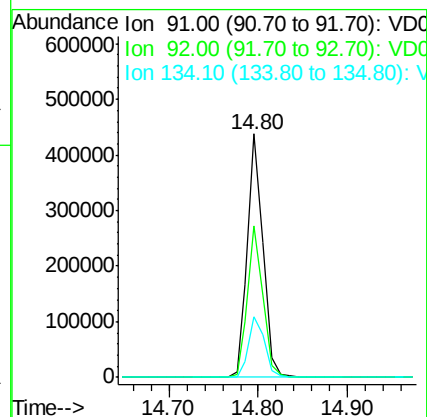
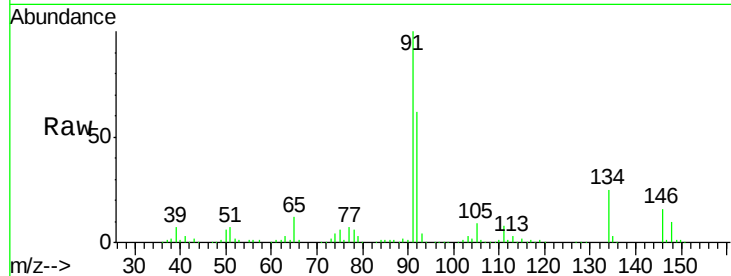
Tot Ion: 91 Resp: 535507

Ion Ratio Lower Upper

91 100

92 62.1 30.6 91.8

134 24.7 11.0 33.0



#90

Hexachloroethane

Concen: 21.391 ug/l

RT: 15.00 min Scan# 1379

Delta R.T. -0.00 min

Lab File: VD061021.D

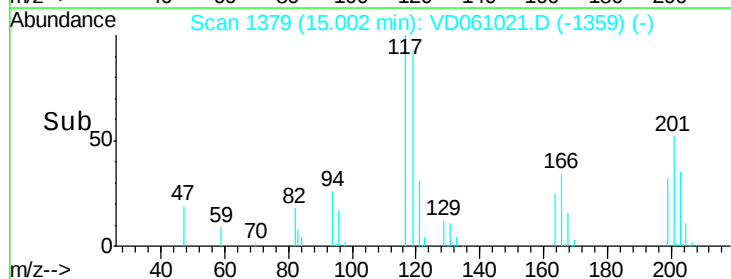
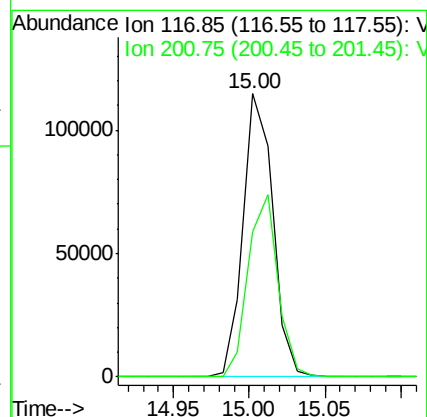
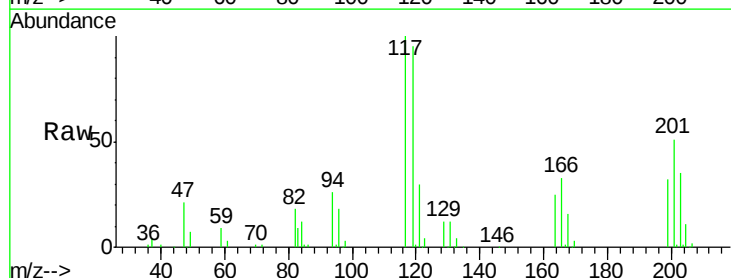
Acq: 12 Mar 2019 13:51

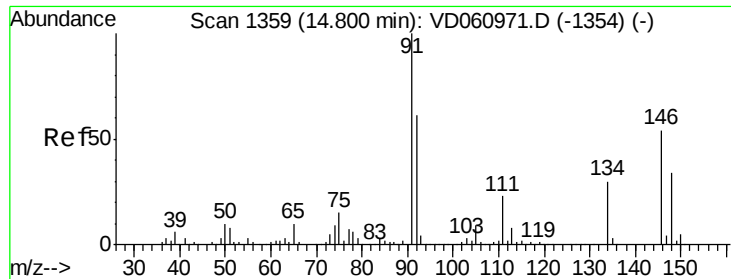
Tgt Ion: 117 Resp: 157163

Ion Ratio Lower Upper

117 100

201 51.5 36.2 108.6

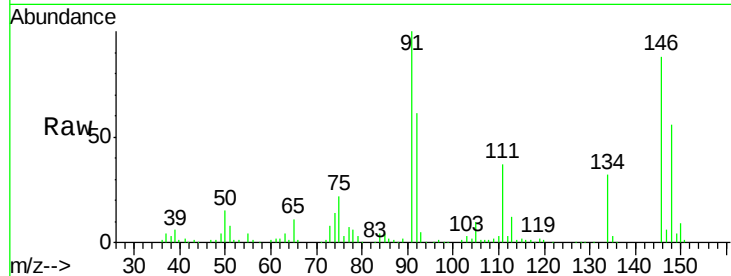




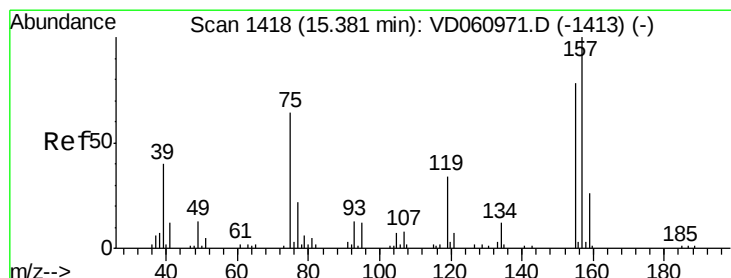
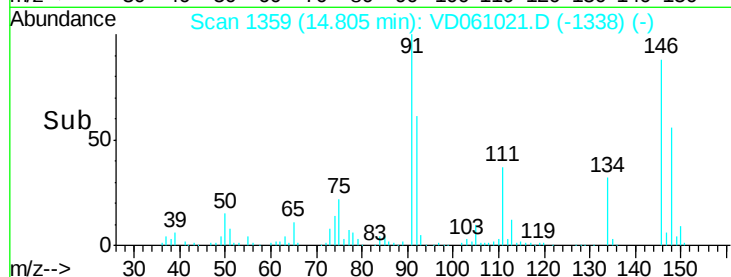
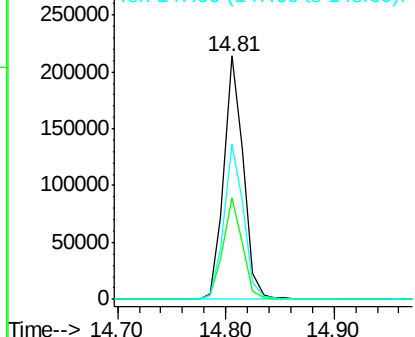
#91
 1,2-Dichlorobenzene
 Concen: 22.572 ug/l
 RT: 14.81 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VD061021.D
 Acq: 12 Mar 2019 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBSD01

Tot Ion:146 Resp: 269194
 Ion Ratio Lower Upper
 146 100
 111 41.5 21.5 64.5
 148 63.6 30.9 92.8

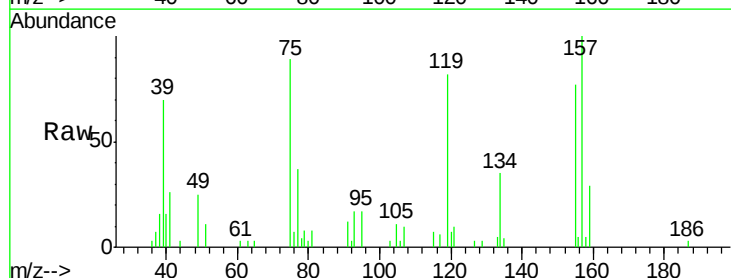


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

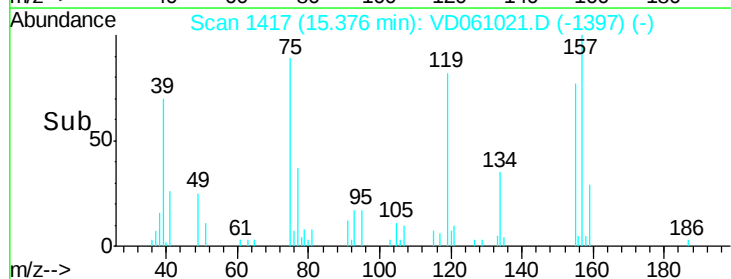
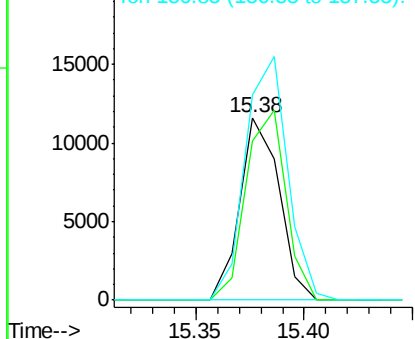


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.073 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. -0.00 min
 Lab File: VD061021.D
 Acq: 12 Mar 2019 13:51

Tgt Ion: 75 Resp: 14812
 Ion Ratio Lower Upper
 75 100
 155 87.1 61.2 183.5
 157 112.8 78.3 234.8



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

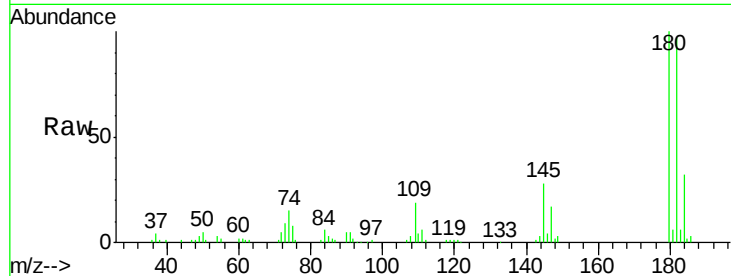




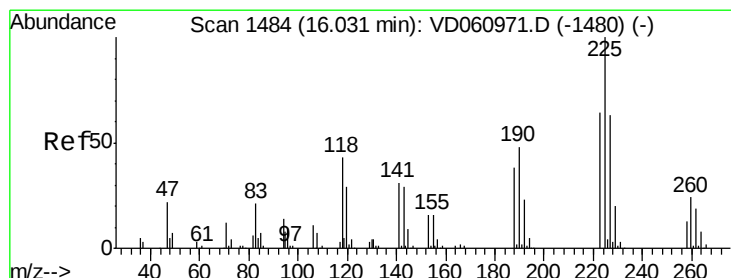
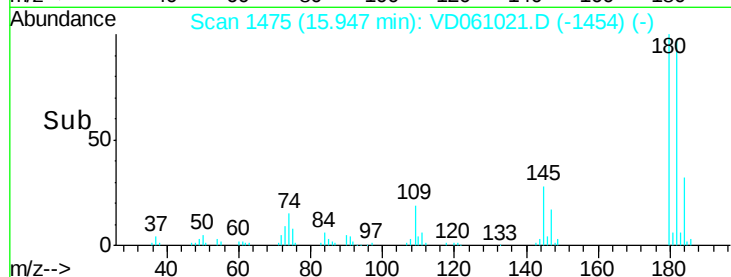
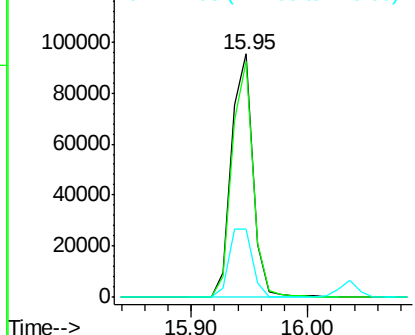
#93
 1,2,4-Trichlorobenzene
 Concen: 22.042 ug/l
 RT: 15.95 min Scan# 1475
 Delta R.T. 0.01 min
 Lab File: VD061021.D
 Acq: 12 Mar 2019 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0312SBSD01

Tot Ion:180 Resp: 121946
 Ion Ratio Lower Upper
 180 100
 182 97.1 47.3 142.0
 145 28.2 14.4 43.0

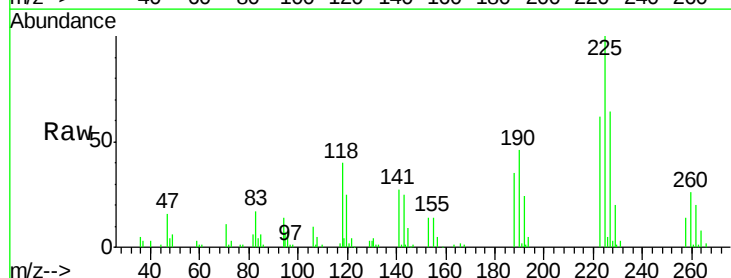


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

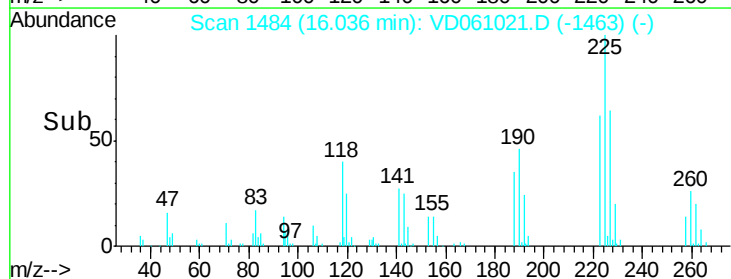
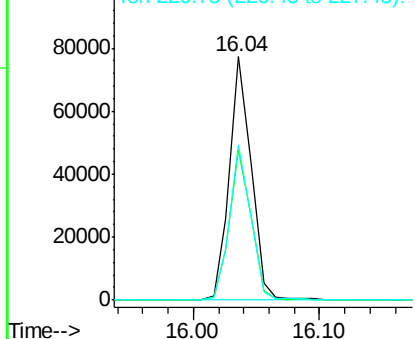


#94
 Hexachlorobutadiene
 Concen: 21.973 ug/l
 RT: 16.04 min Scan# 1484
 Delta R.T. 0.01 min
 Lab File: VD061021.D
 Acq: 12 Mar 2019 13:51

Tgt Ion:225 Resp: 91953
 Ion Ratio Lower Upper
 225 100
 223 61.8 31.8 95.3
 227 63.8 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: 23.567 ug/l

RT: 16.12 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

Instrument :

MSVOA_D

ClientSampleId :

VD0312SBSD01

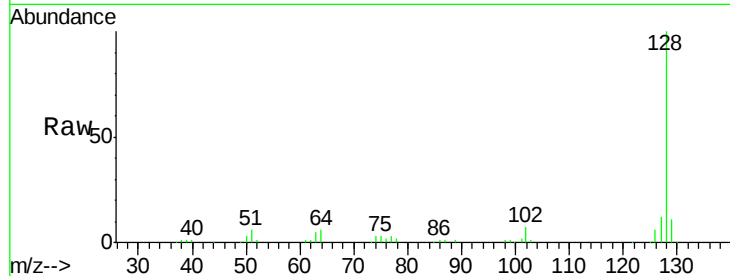
Tot Ion:128 Resp: 198139

Ion Ratio Lower Upper

128 100

127 11.5 9.8 14.8

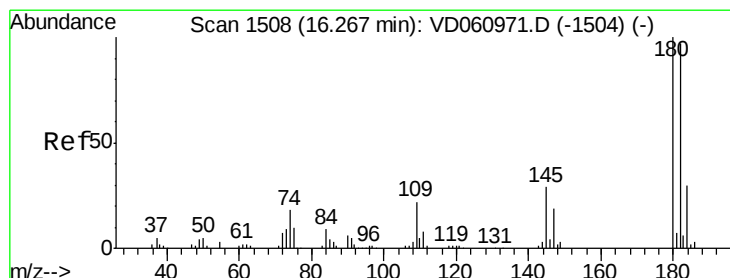
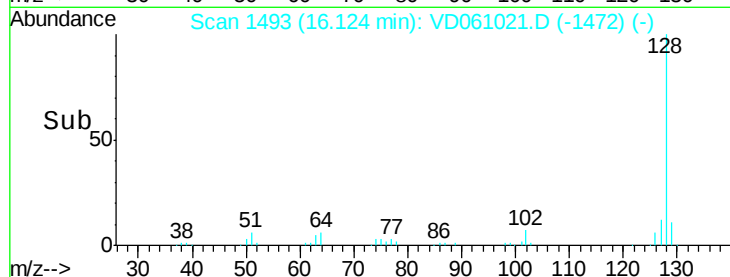
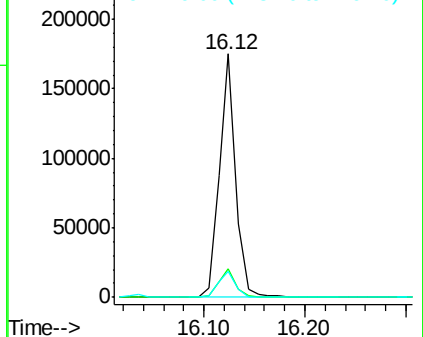
129 10.7 8.5 12.7



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: 22.766 ug/l

RT: 16.27 min Scan# 1508

Delta R.T. 0.01 min

Lab File: VD061021.D

Acq: 12 Mar 2019 13:51

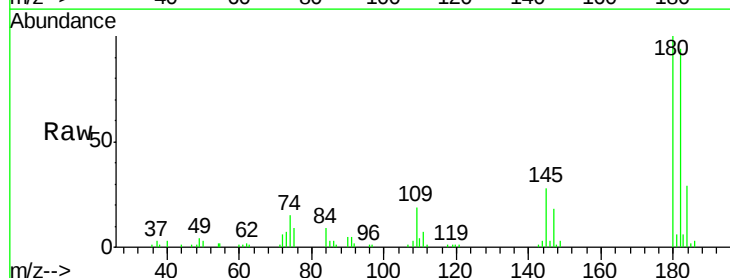
Tgt Ion:180 Resp: 62209

Ion Ratio Lower Upper

180 100

182 94.0 48.6 145.8

145 28.0 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

