

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031519\
 Data File : VD061081.D
 Acq On : 15 Mar 2019 12:30
 Operator : VA/AP
 Sample : VD0315SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS01

Quant Time: Mar 16 05:40:50 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	7.07	168	702010	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.24	114	1137388	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.38	117	919737	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.53	152	417858	50.00	ug/l	0.02

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.48	65	286481	49.03	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.06%	
35) Dibromofluoromethane	6.95	113	443249	52.51	ug/l	0.03
Spiked Amount	50.000		Recovery	=	105.02%	
50) Toluene-d8	10.43	98	1093829	51.60	ug/l	0.03
Spiked Amount	50.000		Recovery	=	103.20%	
62) 4-Bromofluorobenzene	13.57	95	389637	47.37	ug/l	0.02
Spiked Amount	50.000		Recovery	=	94.74%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.59	85	134689	19.369 ug/l	98
3) Chloromethane	1.77	50	107216	18.509 ug/l	99
4) Vinyl Chloride	1.86	62	101220	18.910 ug/l	97
5) Bromomethane	2.16	94	16832	15.159 ug/l	86
6) Chloroethane	2.27	64	29694	18.534 ug/l #	87
7) Trichlorofluoromethane	2.54	101	149313	19.418 ug/l	96
8) Diethyl Ether	2.89	74	47704	18.806 ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.17	101	166060	19.316 ug/l	97
10) Methyl Iodide	3.33	142	183526	17.526 ug/l	98
11) Tert butyl alcohol	4.09	59	33756	90.741 ug/l	99
12) 1,1-Dichloroethene	3.15	96	133222	18.905 ug/l	94
13) Acrolein	3.06	56	39646	73.657 ug/l	95
14) Allyl chloride	3.65	41	213960	18.977 ug/l	97
15) Acrylonitrile	4.22	53	114061	86.753 ug/l	97
16) Acetone	3.24	43	157905	94.498 ug/l	97
17) Carbon Disulfide	3.40	76	400124	16.833 ug/l	99
18) Methyl Acetate	3.66	43	56054	17.046 ug/l #	91
19) Methyl tert-butyl Ether	4.27	73	237005	19.191 ug/l	97
20) Methylene Chloride	3.84	84	161120	18.179 ug/l	93
21) trans-1,2-Dichloroethene	4.25	96	143120	18.765 ug/l	97
22) Diisopropyl ether	5.14	45	437178	18.679 ug/l	93
23) Vinyl Acetate	5.08	43	1118129	93.061 ug/l	100
24) 1,1-Dichloroethane	5.01	63	246882	19.252 ug/l	98
25) 2-Butanone	6.10	43	172894	91.184 ug/l	99
26) 2,2-Dichloropropane	6.06	77	195108	19.489 ug/l	97
27) cis-1,2-Dichloroethene	6.07	96	160478	19.831 ug/l	98
28) Bromochloromethane	6.46	49	93512	17.225 ug/l	100
29) Tetrahydrofuran	6.49	42	86128	83.653 ug/l	97
30) Chloroform	6.70	83	255213	19.202 ug/l	97
31) Cyclohexane	6.98	56	181262	17.530 ug/l	95
32) 1,1,1-Trichloroethane	6.90	97	215225	18.731 ug/l	97
36) 1,1-Dichloropropene	7.17	75	198144	20.210 ug/l	98
37) Ethyl Acetate	6.21	43	83286	18.103 ug/l	96
38) Carbon Tetrachloride	7.14	117	214312	19.845 ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031519\
 Data File : VD061081.D
 Acq On : 15 Mar 2019 12:30
 Operator : VA/AP
 Sample : VD0315SBS01
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS01

Quant Time: Mar 16 05:40:50 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)
39) Methylcyclohexane	8.89	83	216297	21.276	ug/l	96
40) Benzene	7.48	78	497277	20.299	ug/l	99
41) Methacrylonitrile	6.47	41	95267	18.003	ug/l	97
42) 1,2-Dichloroethane	7.60	62	141607	19.919	ug/l	97
43) Isopropyl Acetate	9.26	43	109530	17.189	ug/l #	100
44) Trichloroethene	8.57	130	178667	21.140	ug/l	97
45) 1,2-Dichloropropane	8.96	63	129949	20.190	ug/l	99
46) Dibromomethane	9.08	93	80411	19.696	ug/l	94
47) Bromodichloromethane	9.40	83	178357	19.360	ug/l	99
48) Methyl methacrylate	9.14	41	68302	19.038	ug/l	97
49) 1,4-Dioxane	9.11	88	13573	374.131	ug/l #	90
51) 4-Methyl-2-Pentanone	10.32	43	359124	91.994	ug/l	98
52) Toluene	10.53	92	317571	20.846	ug/l	99
53) t-1,3-Dichloropropene	10.93	75	157366	18.680	ug/l	96
54) cis-1,3-Dichloropropene	10.05	75	198333	19.595	ug/l	98
55) 1,1,2-Trichloroethane	11.22	97	99436	19.600	ug/l	97
56) Ethyl methacrylate	11.06	69	100359	18.899	ug/l	96
57) 1,3-Dichloropropane	11.42	76	154777	20.416	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.88	63	247810	88.164	ug/l	97
59) 2-Hexanone	11.55	43	272639	95.476	ug/l	100
60) Dibromochloromethane	11.70	129	148377	19.873	ug/l	99
61) 1,2-Dibromoethane	11.83	107	112119	18.998	ug/l	99
64) Tetrachloroethene	11.28	164	134328	21.636	ug/l	98
65) Chlorobenzene	12.42	112	348637	19.336	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.53	131	148890	23.166	ug/l	98
67) Ethyl Benzene	12.54	91	626201	23.328	ug/l	99
68) m/p-Xylenes	12.68	106	455622	43.245	ug/l	98
69) o-Xylene	13.06	106	236340	22.821	ug/l	99
70) Styrene	13.09	104	373432	22.082	ug/l	99
71) Bromoform	13.24	173	83578	20.158	ug/l #	94
73) Isopropylbenzene	13.41	105	572010	18.995	ug/l	98
74) N-amyl acetate	13.27	43	149408	17.620	ug/l	95
75) 1,1,2,2-Tetrachloroethane	13.71	83	107738	18.337	ug/l	97
76) 1,2,3-Trichloropropane	13.75	75	107557	17.891	ug/l	95
77) Bromobenzene	13.69	156	156113	20.308	ug/l	94
78) n-propylbenzene	13.79	91	695889	19.739	ug/l	98
79) 2-Chlorotoluene	13.85	91	357686	18.429	ug/l	99
80) 1,3,5-Trimethylbenzene	14.25	105	491925	21.518	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.48	75	32397	18.279	ug/l	95
82) 4-Chlorotoluene	13.96	91	468567	20.421	ug/l	97
83) tert-Butylbenzene	14.20	119	533826	21.337	ug/l	93
84) 1,2,4-Trimethylbenzene	14.25	105	491925	21.518	ug/l	98
85) sec-Butylbenzene	14.38	105	619619	20.286	ug/l	95
86) p-Isopropyltoluene	14.50	119	526885	21.104	ug/l	97
87) 1,3-Dichlorobenzene	14.47	146	270148	19.680	ug/l	97
88) 1,4-Dichlorobenzene	14.54	146	265054	19.650	ug/l	97
89) n-Butylbenzene	14.81	91	476241	19.863	ug/l	97
90) Hexachloroethane	15.02	117	138915	19.705	ug/l	77
91) 1,2-Dichlorobenzene	14.82	146	240703	21.034	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	15.39	75	12847	18.145	ug/l	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD031519\
Data File : VD061081.D
Acq On : 15 Mar 2019 12:30
Operator : VA/AP
Sample : VD0315SBS01
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

Quant Time: Mar 16 05:40:50 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

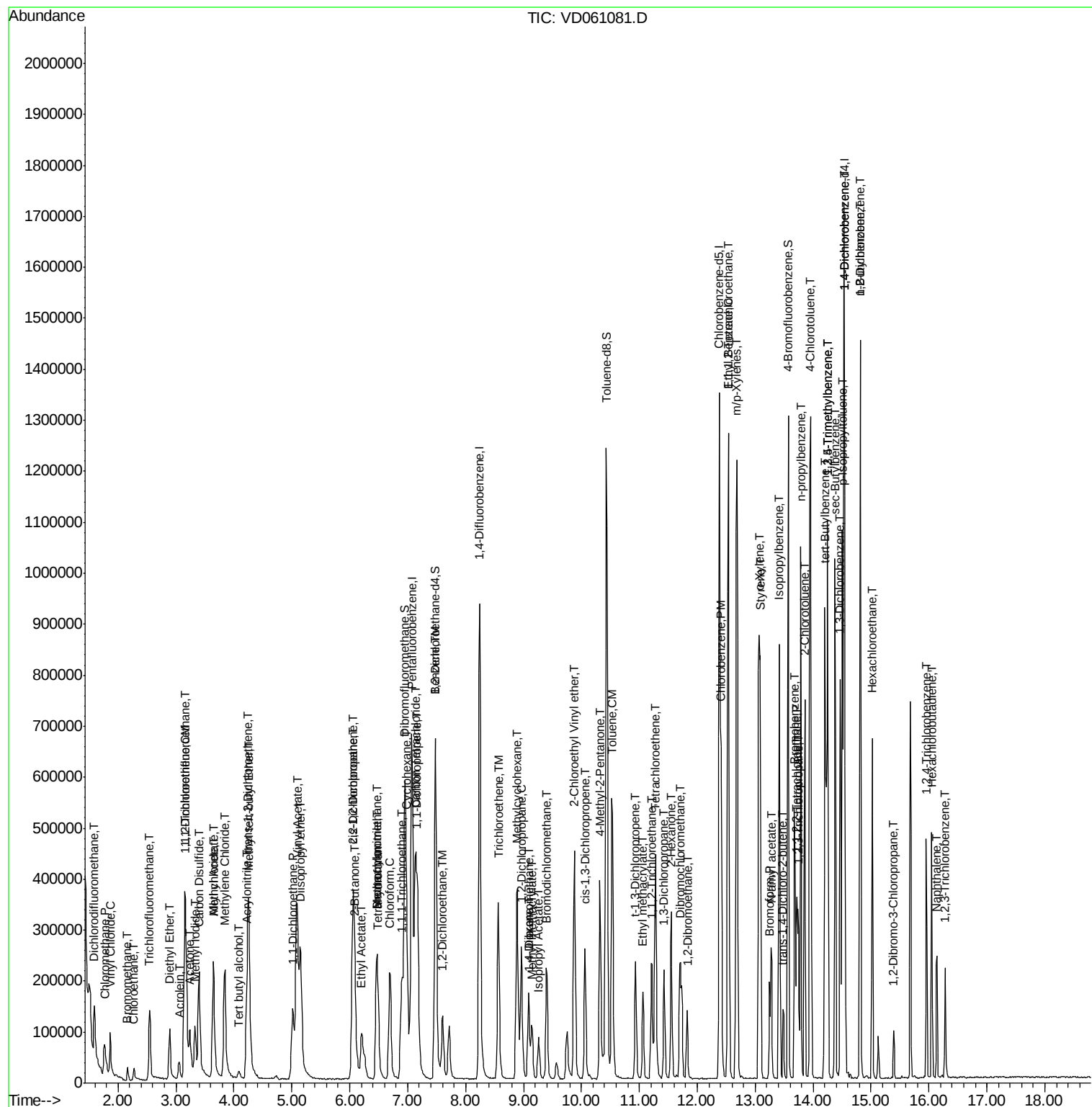
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	117688	22.169	ug/l	96
94) Hexachlorobutadiene	16.05	225	80406	20.025	ug/l	94
95) Naphthalene	16.14	128	172573	21.392	ug/l	98
96) 1,2,3-Trichlorobenzene	16.29	180	60460	23.059	ug/l	99

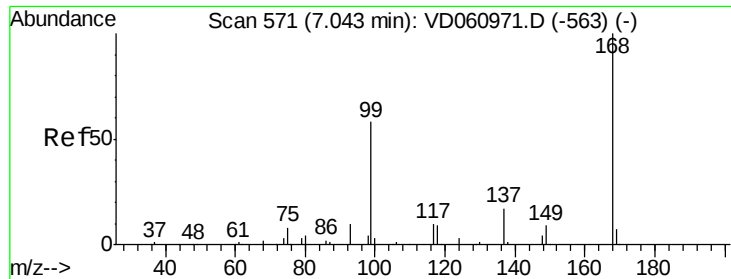
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD031519\
Data File : VD061081.D
Acq On : 15 Mar 2019 12:30
Operator : VA/AP
Sample : VD0315SBS01
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

Quant Time: Mar 16 05:40:50 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



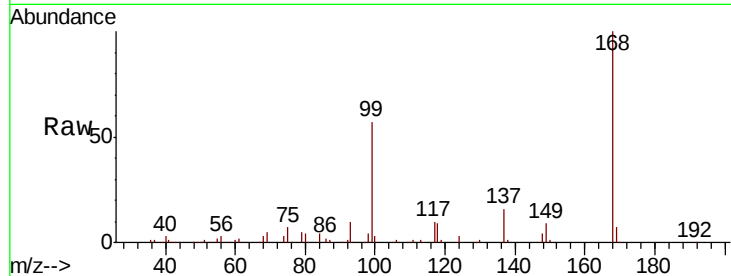


#1

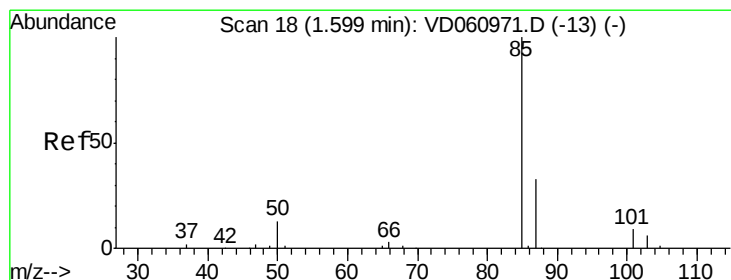
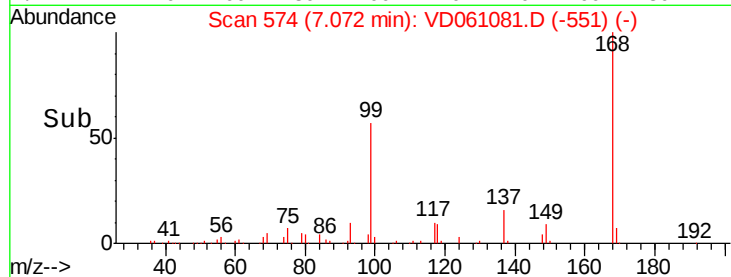
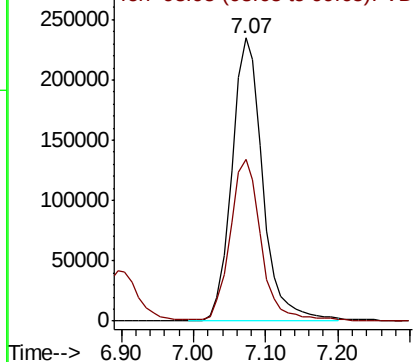
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 7.07 min Scan# 574
 Delta R.T. 0.03 min
 Lab File: VD061081.D
 Acq: 15 Mar 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS01

Tgt Ion: 168 Resp: 702010
 Ion Ratio Lower Upper
 168 100
 99 57.1 47.3 70.9



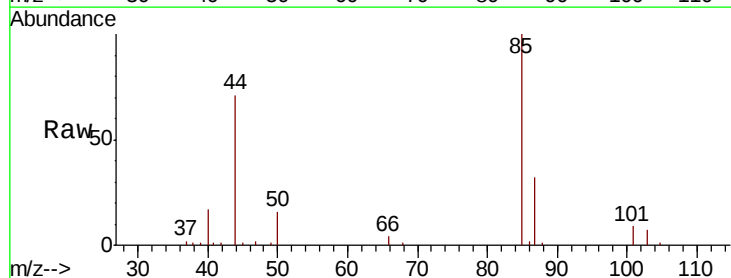
Abundance Ion 167.90 (167.60 to 168.60): V
 Ion 98.95 (98.65 to 99.65): V



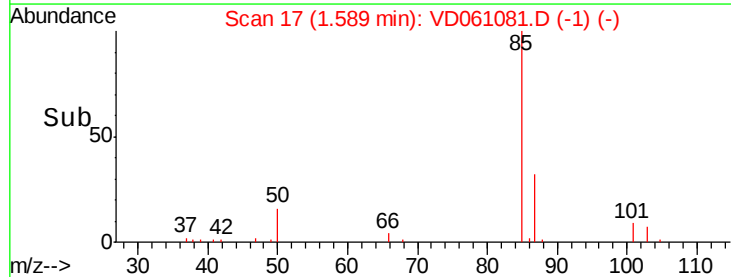
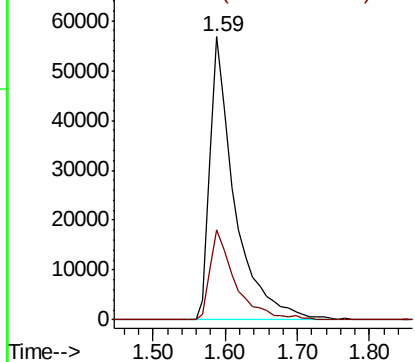
#2

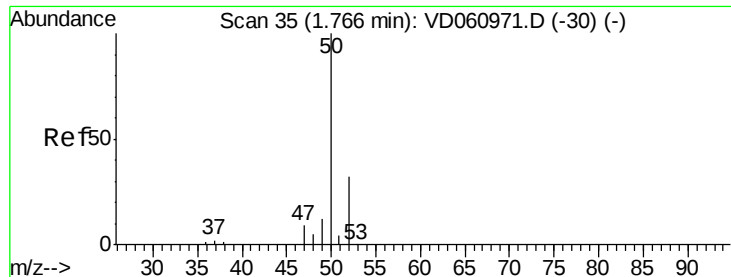
Dichlorodifluoromethane
 Concen: 19.369 ug/l
 RT: 1.59 min Scan# 17
 Delta R.T. -0.01 min
 Lab File: VD061081.D
 Acq: 15 Mar 2019 12:30

Tgt Ion: 85 Resp: 134689
 Ion Ratio Lower Upper
 85 100
 87 32.0 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): V
 Ion 86.90 (86.60 to 87.60): V





#3

Chloromethane

Concen: 18.509 ug/l

RT: 1.77 min Scan# 35

Delta R.T. -0.00 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

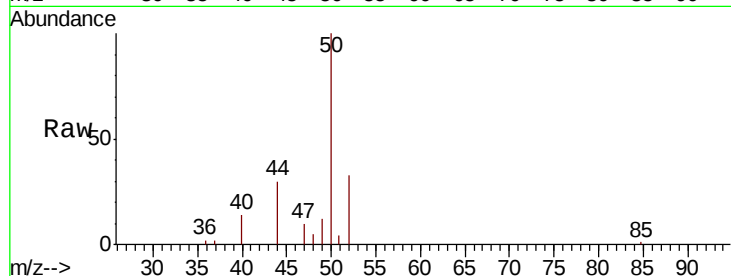
VD0315SBS01

Tgt Ion: 50 Resp: 107216

Ion Ratio Lower Upper

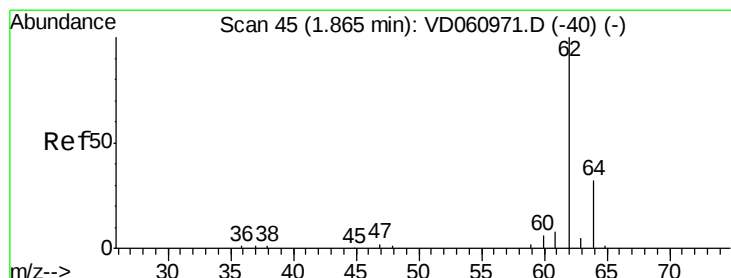
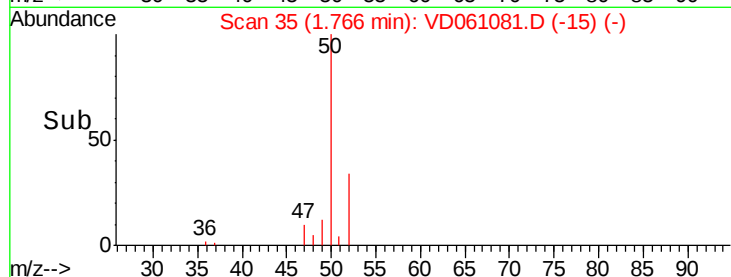
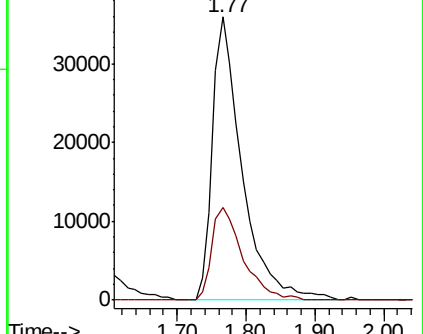
50 100

52 32.9 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: 18.910 ug/l

RT: 1.86 min Scan# 45

Delta R.T. -0.00 min

Lab File: VD061081.D

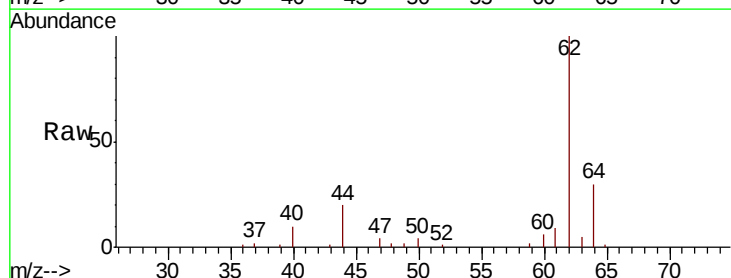
Acq: 15 Mar 2019 12:30

Tgt Ion: 62 Resp: 101220

Ion Ratio Lower Upper

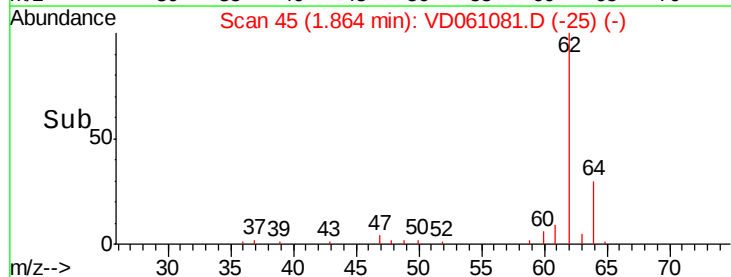
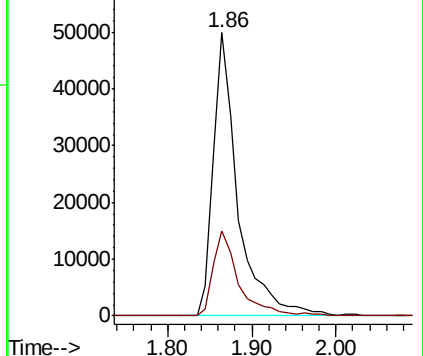
62 100

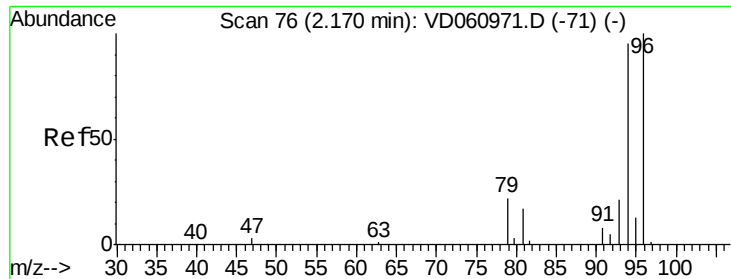
64 29.8 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 15.159 ug/l

RT: 2.16 min Scan# 75

Delta R.T. -0.01 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBS01

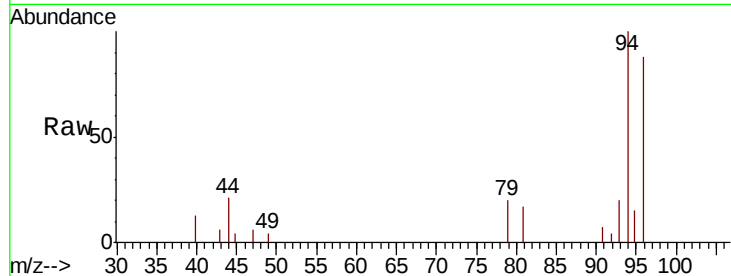
Tgt Ion: 94 Resp: 16832

Ion Ratio Lower Upper

94 100

96 88.4 84.0 126.0

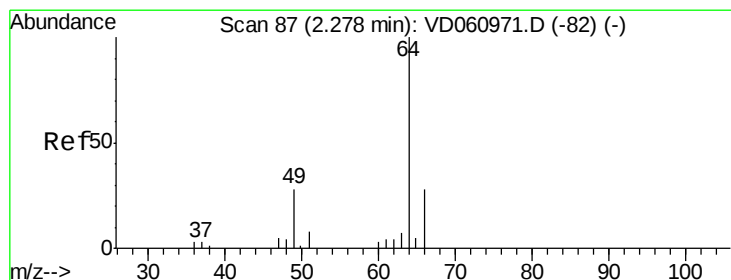
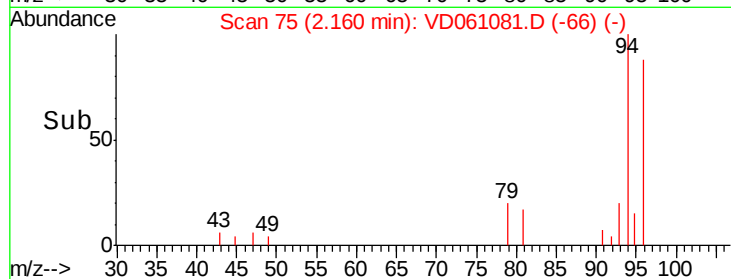
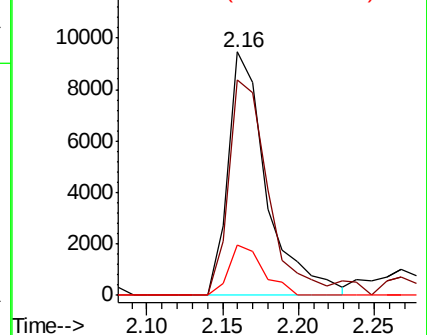
93 20.4 17.3 25.9



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: 18.534 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.01 min

Lab File: VD061081.D

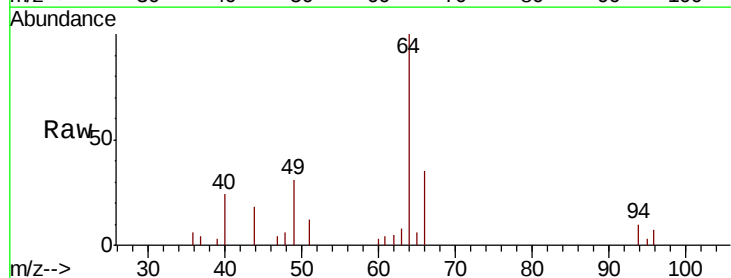
Acq: 15 Mar 2019 12:30

Tgt Ion: 64 Resp: 29694

Ion Ratio Lower Upper

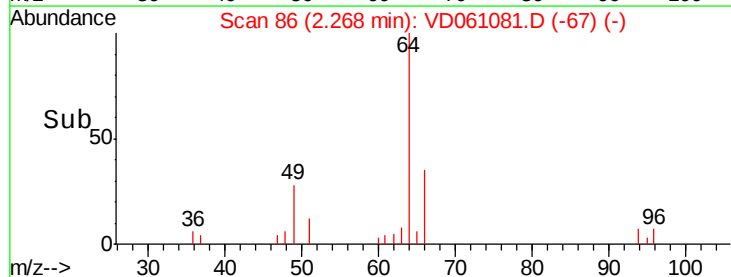
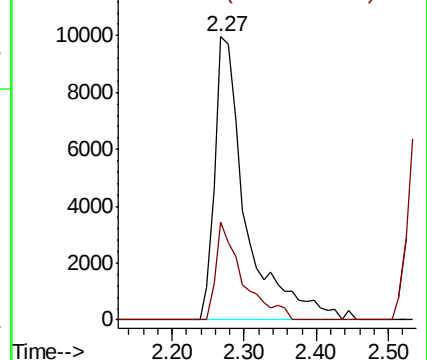
64 100

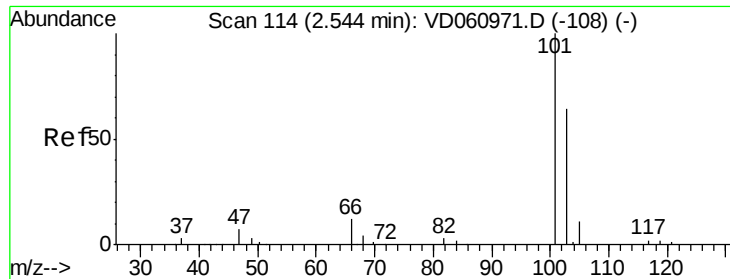
66 34.6 22.2 33.2#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



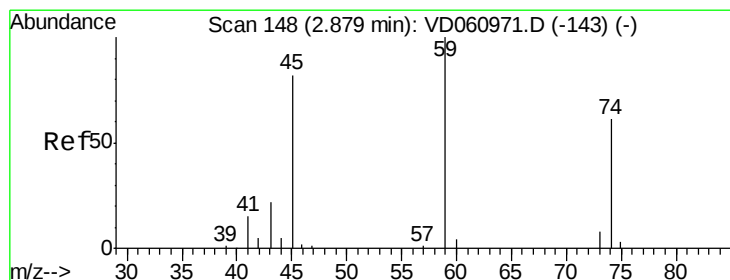
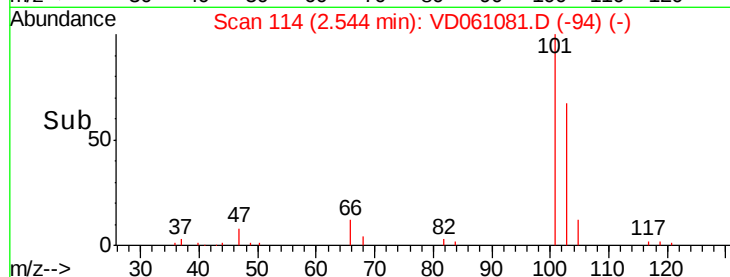
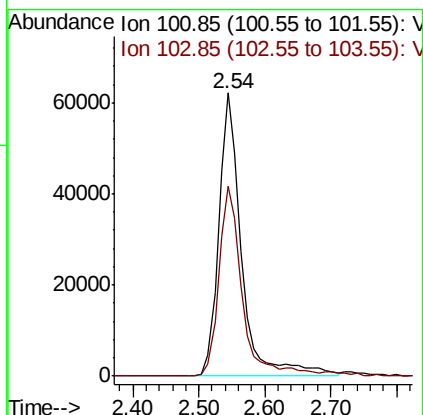
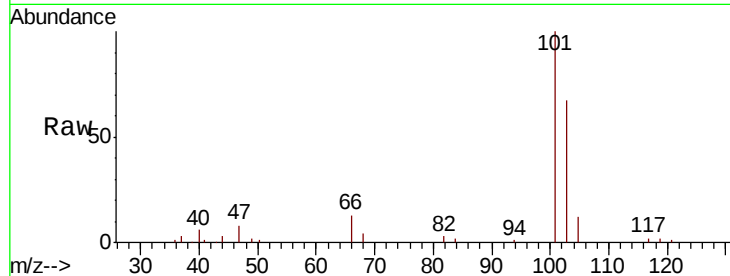


#7

Trichlorofluoromethane
 Concen: 19.418 ug/l
 RT: 2.54 min Scan# 114
 Delta R.T. -0.00 min
 Lab File: VD061081.D
 Acq: 15 Mar 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS01

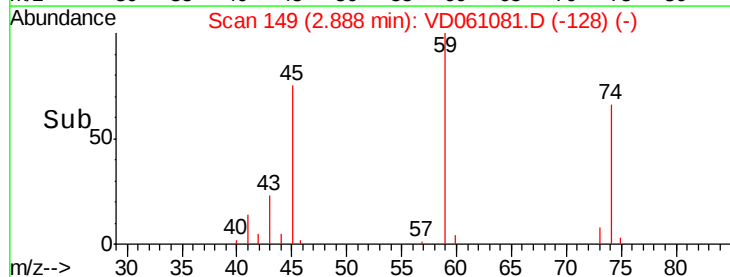
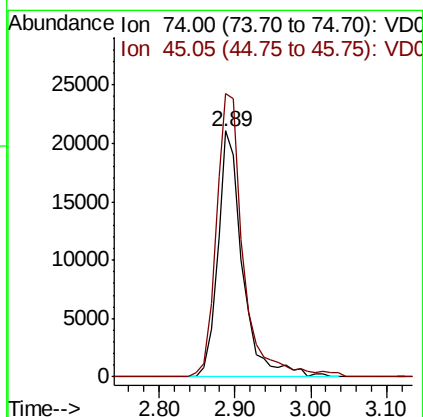
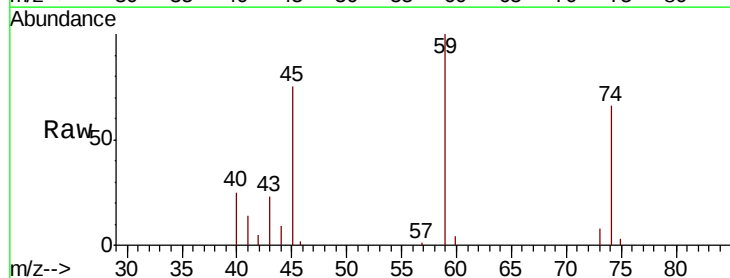
Tgt Ion: 101 Resp: 149313
 Ion Ratio Lower Upper
 101 100
 103 67.1 51.2 76.8

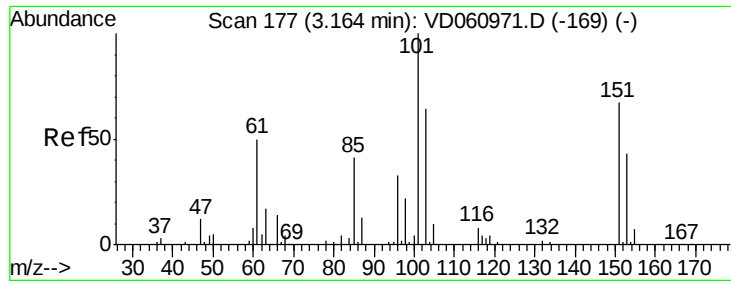


#8

Diethyl Ether
 Concen: 18.806 ug/l
 RT: 2.89 min Scan# 149
 Delta R.T. 0.01 min
 Lab File: VD061081.D
 Acq: 15 Mar 2019 12:30

Tgt Ion: 74 Resp: 47704
 Ion Ratio Lower Upper
 74 100
 45 115.0 67.0 201.1

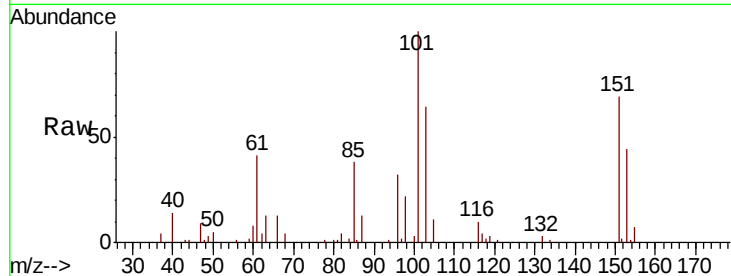




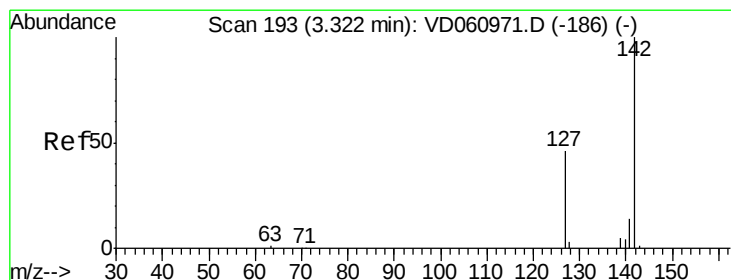
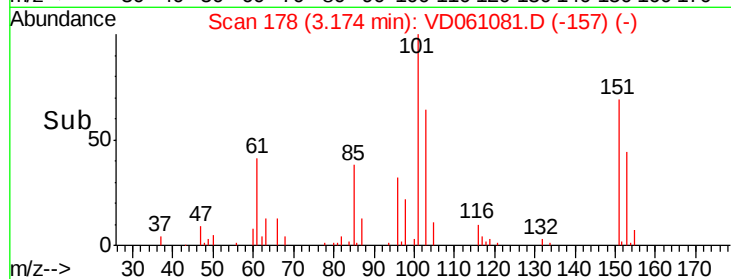
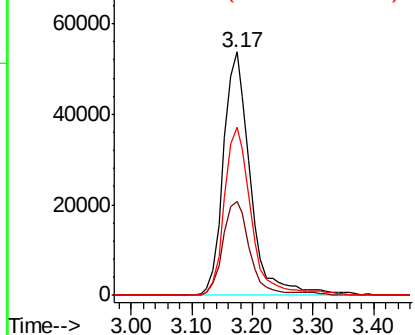
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 19.316 ug/l
 RT: 3.17 min Scan# 178
 Delta R.T. 0.01 min
 Lab File: VD061081.D
 Acq: 15 Mar 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS01

Tgt Ion:101 Resp: 166060
 Ion Ratio Lower Upper
 101 100
 85 38.4 32.5 48.7
 151 69.0 53.3 79.9

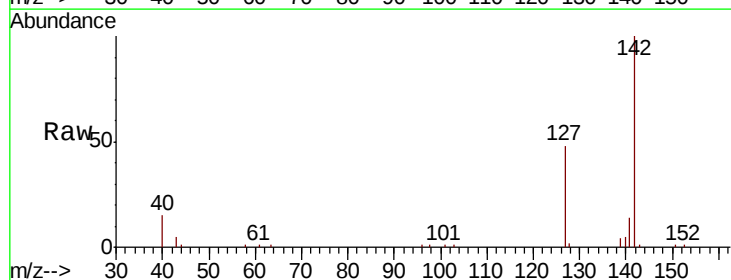


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

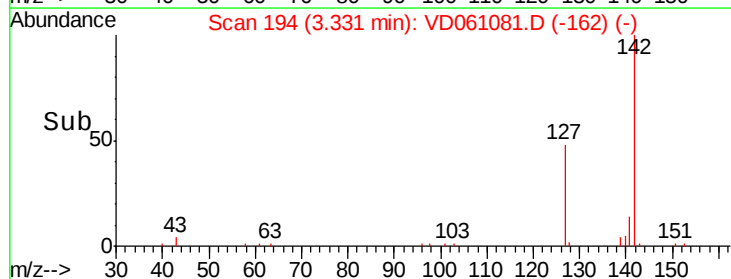
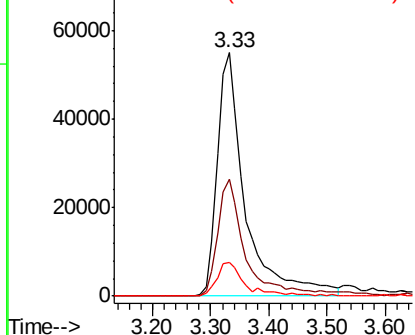


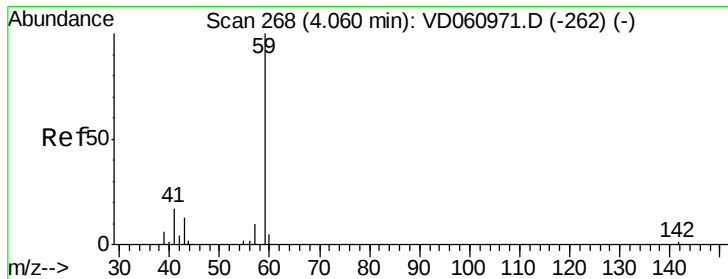
#10
 Methyl Iodide
 Concen: 17.526 ug/l
 RT: 3.33 min Scan# 194
 Delta R.T. 0.01 min
 Lab File: VD061081.D
 Acq: 15 Mar 2019 12:30

Tgt Ion:142 Resp: 183526
 Ion Ratio Lower Upper
 142 100
 127 47.8 36.8 55.2
 141 14.0 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

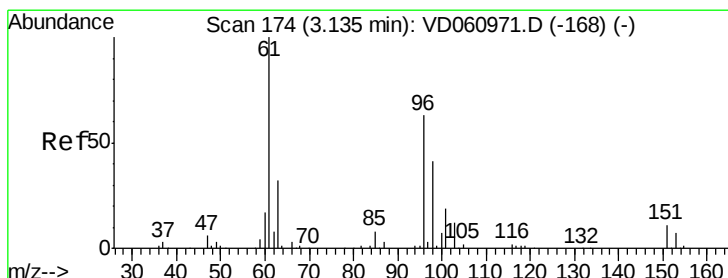
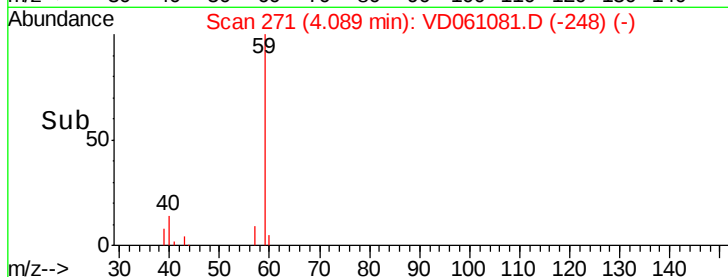
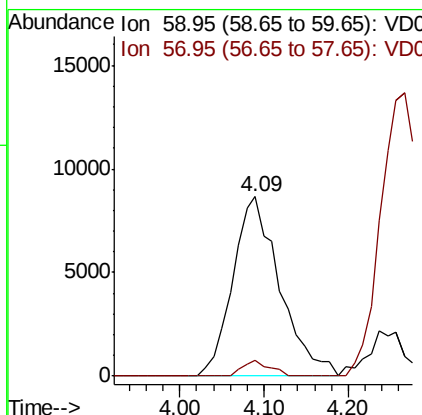
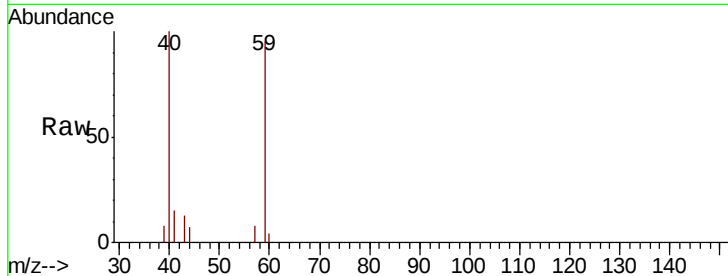




#11
Tert butyl alcohol
Concen: 90.741 ug/l
RT: 4.09 min Scan# 271
Delta R.T. 0.03 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

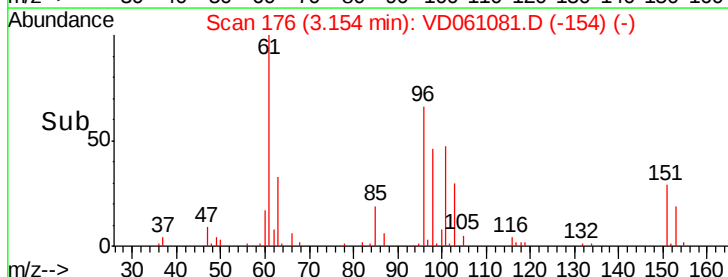
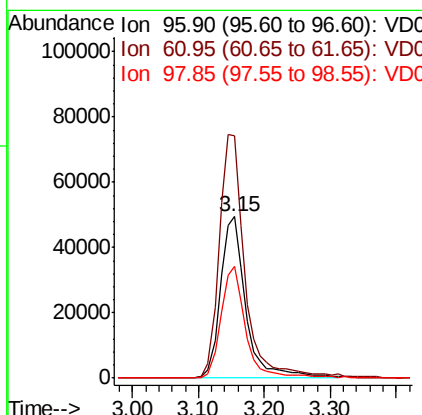
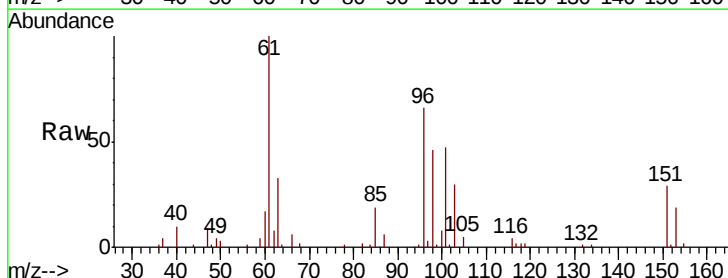
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

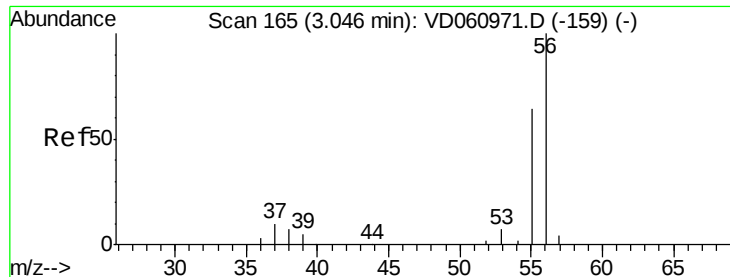
Tgt Ion: 59 Resp: 33756
Ion Ratio Lower Upper
59 100
57 8.6 7.1 10.7



#12
1,1-Dichloroethene
Concen: 18.905 ug/l
RT: 3.15 min Scan# 176
Delta R.T. 0.02 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

Tgt Ion: 96 Resp: 133222
Ion Ratio Lower Upper
96 100
61 150.6 127.1 190.7
98 69.0 51.5 77.3





#13

Acrolein

Concen: 73.657 ug/l

RT: 3.06 min Scan# 166

Delta R.T. 0.01 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

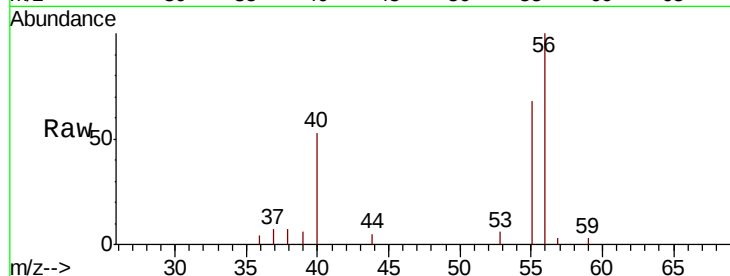
VD0315SBS01

Tgt Ion: 56 Resp: 39646

Ion Ratio Lower Upper

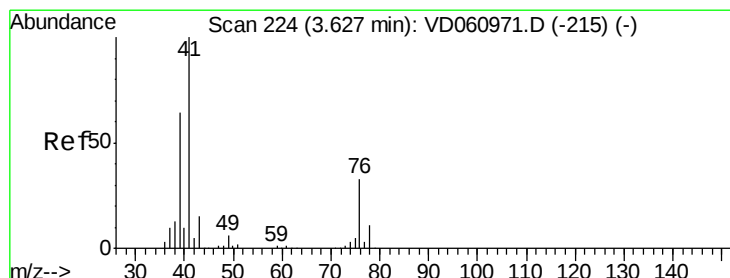
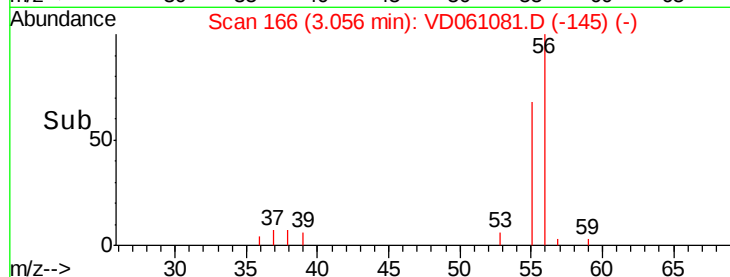
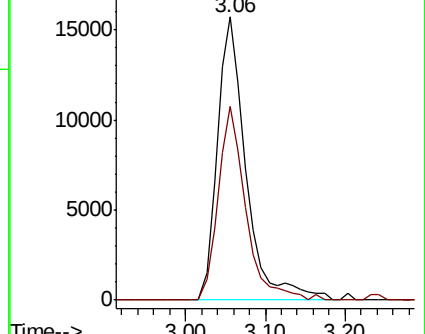
56 100

55 68.4 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: 18.977 ug/l

RT: 3.65 min Scan# 226

Delta R.T. 0.02 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

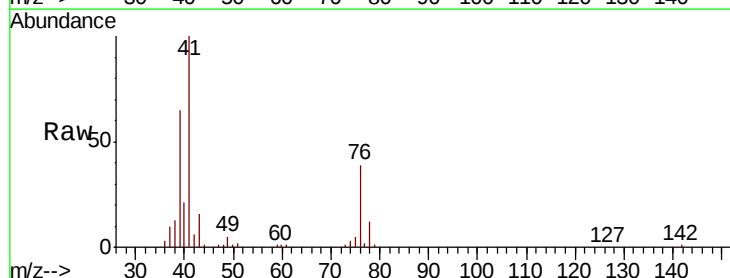
Tgt Ion: 41 Resp: 213960

Ion Ratio Lower Upper

41 100

39 65.1 51.1 76.7

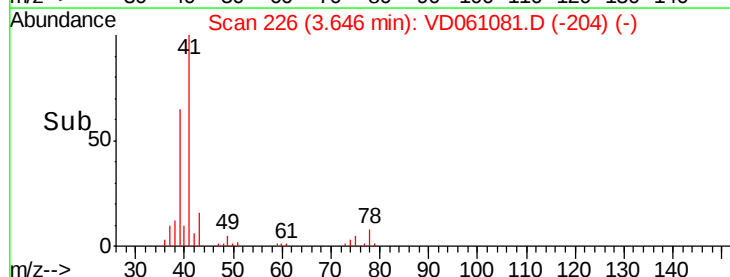
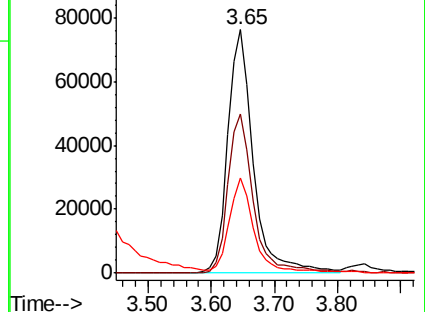
76 39.0 29.1 43.7



Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 86.753 ug/l

RT: 4.22 min Scan# 284

Delta R.T. 0.02 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBS01

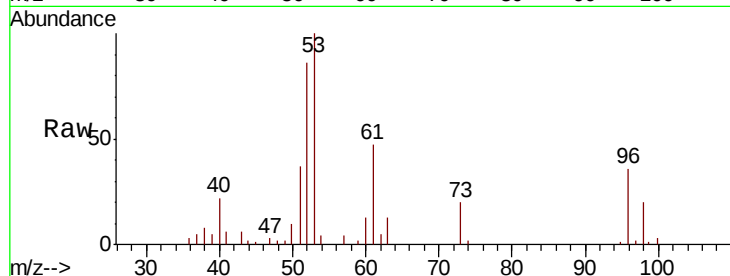
Tgt Ion: 53 Resp: 114061

Ion Ratio Lower Upper

53 100

52 85.9 70.2 105.4

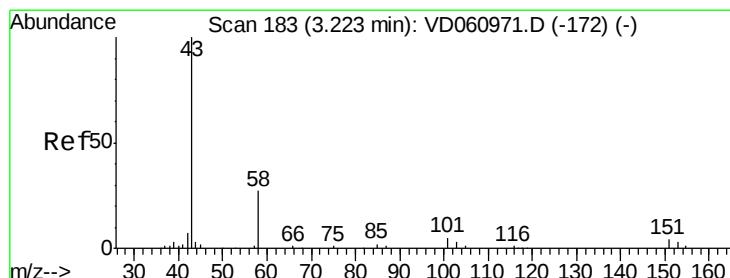
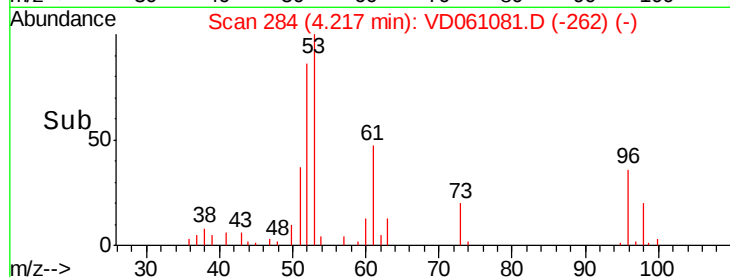
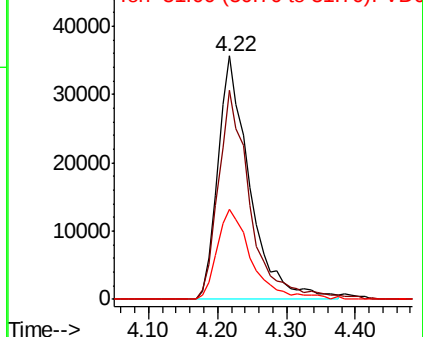
51 36.9 31.7 47.5



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 94.498 ug/l

RT: 3.24 min Scan# 185

Delta R.T. 0.02 min

Lab File: VD061081.D

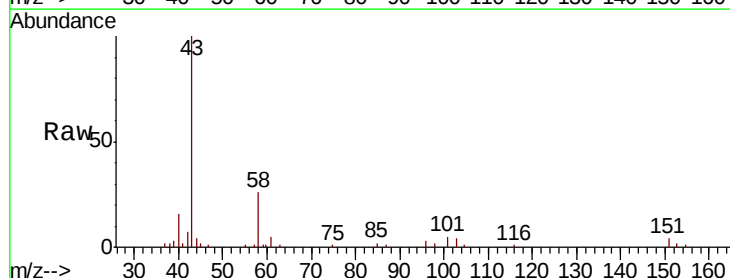
Acq: 15 Mar 2019 12:30

Tgt Ion: 43 Resp: 157905

Ion Ratio Lower Upper

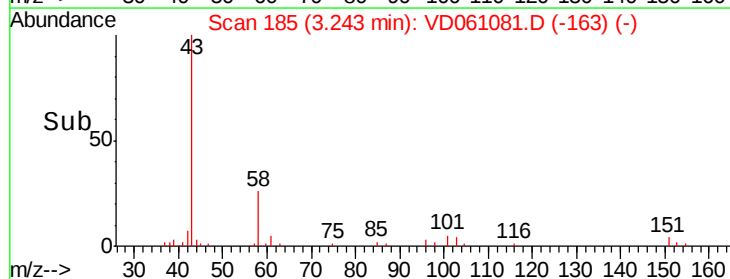
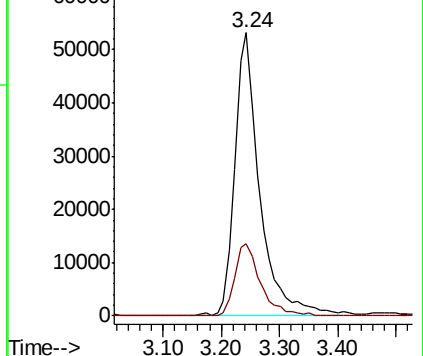
43 100

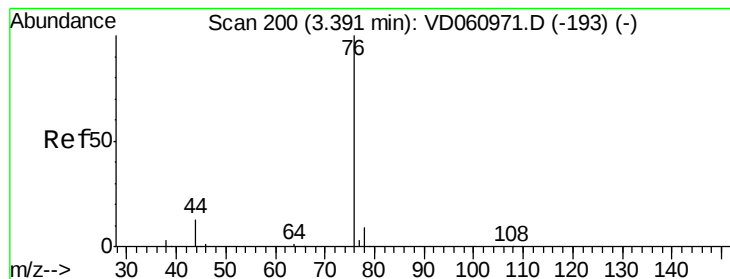
58 25.7 21.6 32.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC





#17

Carbon Disulfide

Concen: 16.833 ug/l

RT: 3.40 min Scan# 201

Delta R.T. 0.01 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

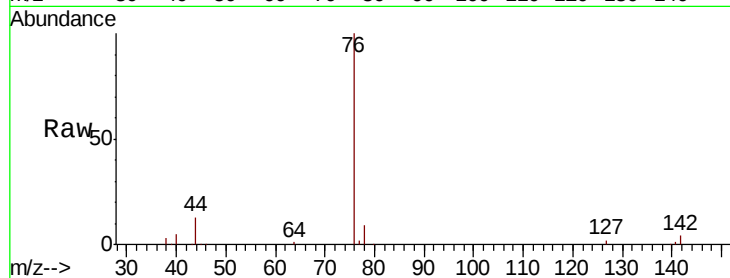
VD0315SBS01

Tgt Ion: 76 Resp: 400124

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

3.40

150000

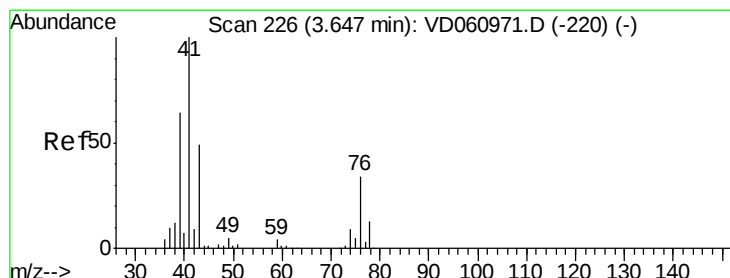
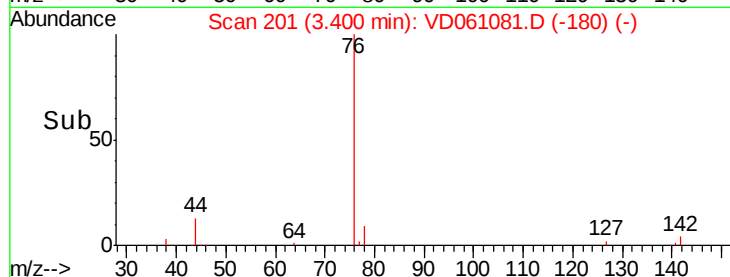
100000

50000

0

Time-->

3.30 3.40 3.50 3.60



#18

Methyl Acetate

Concen: 17.046 ug/l

RT: 3.66 min Scan# 227

Delta R.T. 0.01 min

Lab File: VD061081.D

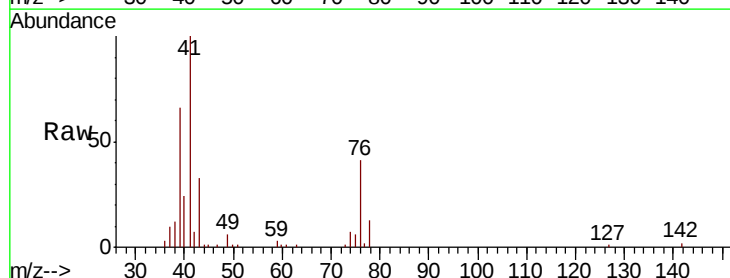
Acq: 15 Mar 2019 12:30

Tgt Ion: 43 Resp: 56054

Ion Ratio Lower Upper

43 100

74 22.1 14.6 21.8#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.66

20000

15000

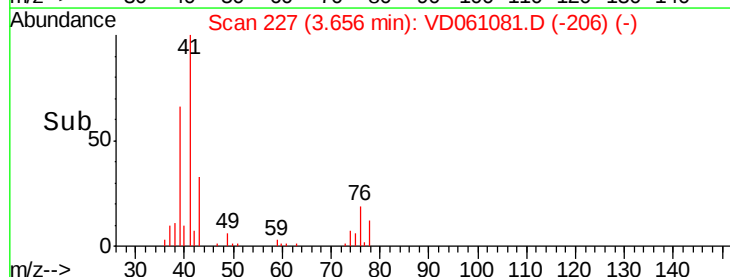
10000

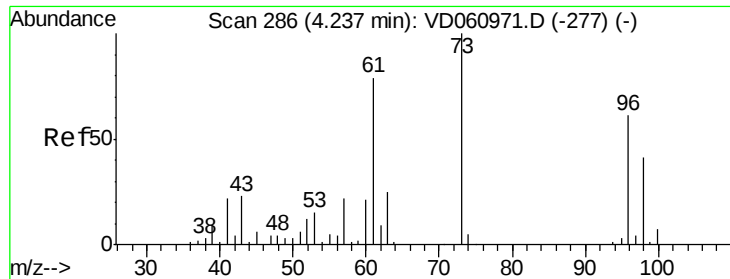
5000

0

Time-->

3.60 3.70 3.80

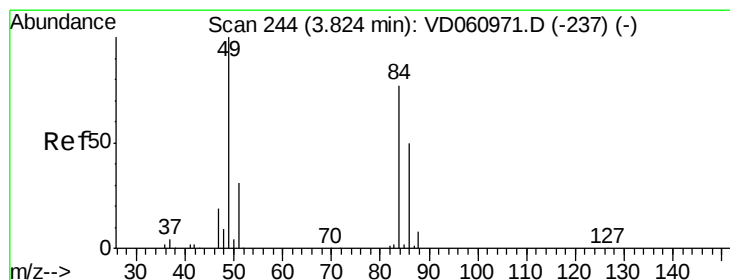
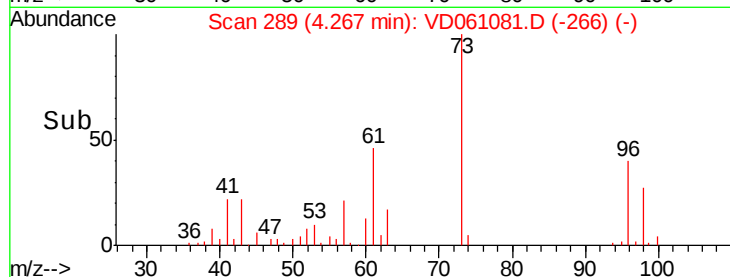
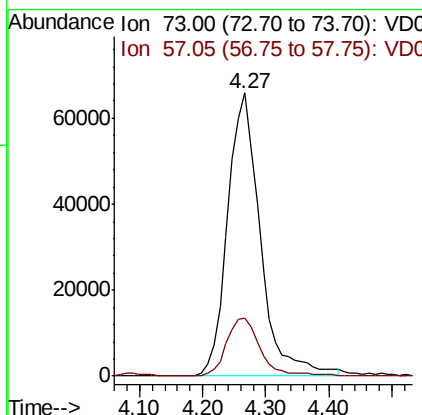
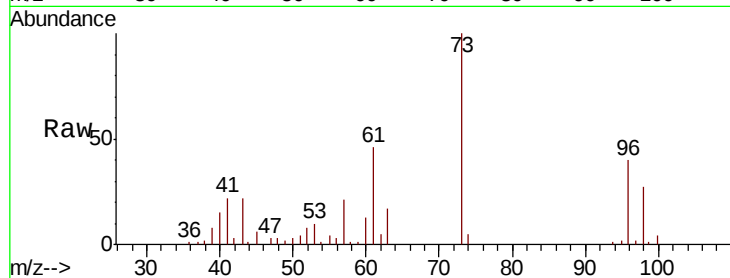




#19
Methyl tert-butyl Ether
Concen: 19.191 ug/l
RT: 4.27 min Scan# 289
Delta R.T. 0.03 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

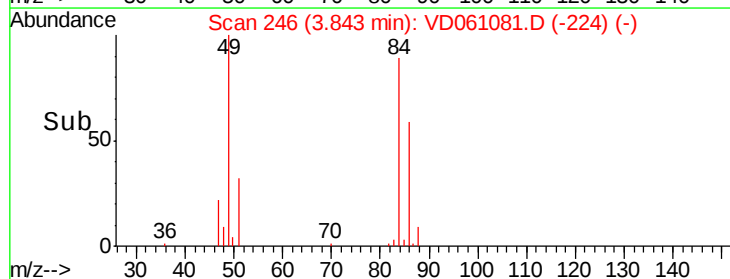
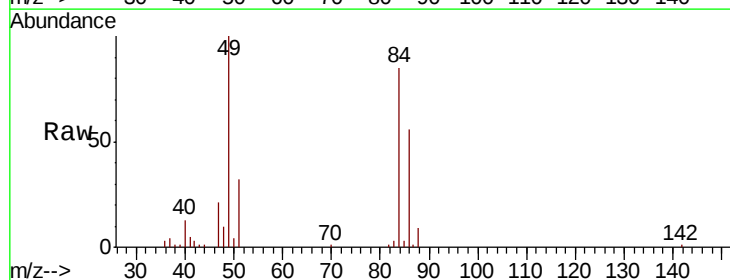
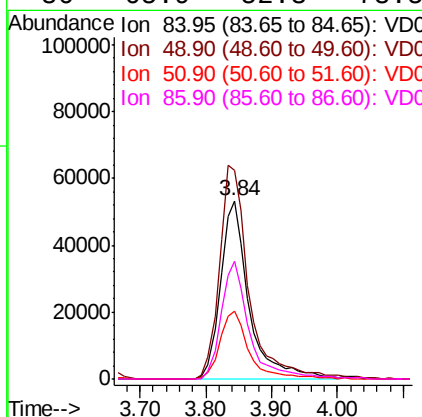
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

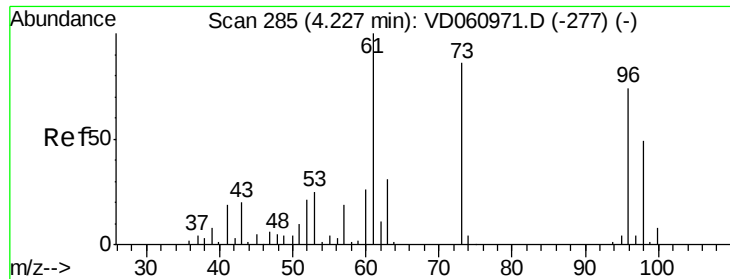
Tgt Ion: 73 Resp: 237005
Ion Ratio Lower Upper
73 100
57 20.7 17.7 26.5



#20
Methylene Chloride
Concen: 18.179 ug/l
RT: 3.84 min Scan# 246
Delta R.T. 0.02 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

Tgt Ion: 84 Resp: 161120
Ion Ratio Lower Upper
84 100
49 117.2 104.2 156.2
51 38.1 32.3 48.5
86 65.9 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 18.765 ug/l

RT: 4.25 min Scan# 287

Delta R.T. 0.02 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBS01

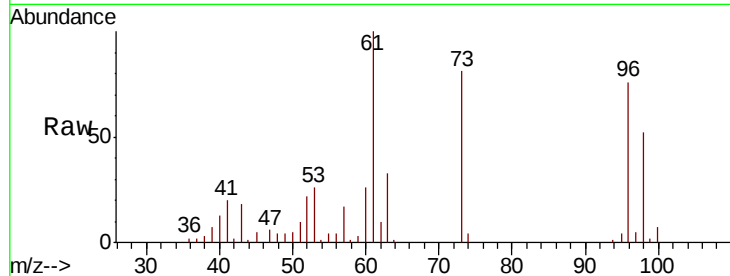
Tgt Ion: 96 Resp: 143120

Ion Ratio Lower Upper

96 100

61 131.7 108.4 162.6

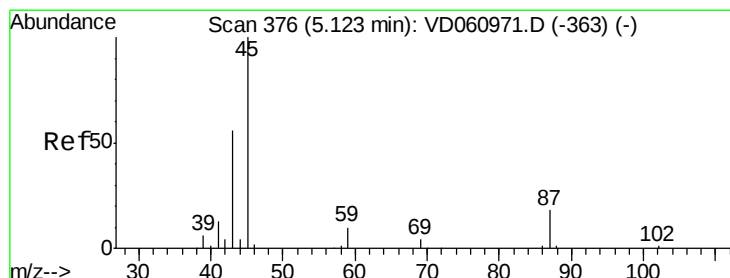
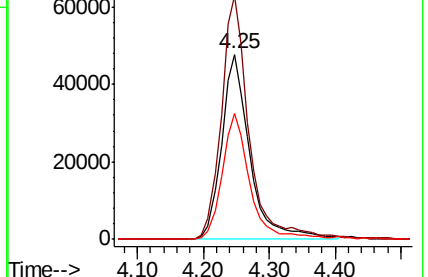
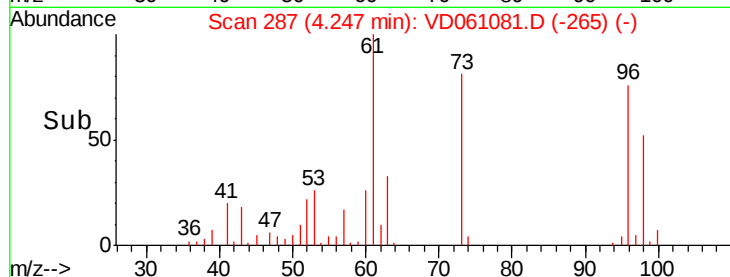
98 68.0 53.0 79.4



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: 18.679 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.02 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Tgt Ion: 45 Resp: 437178

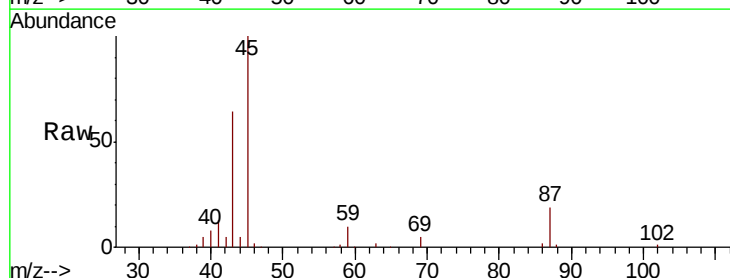
Ion Ratio Lower Upper

45 100

43 64.3 45.8 68.8

87 19.3 14.9 22.3

59 9.5 8.0 12.0

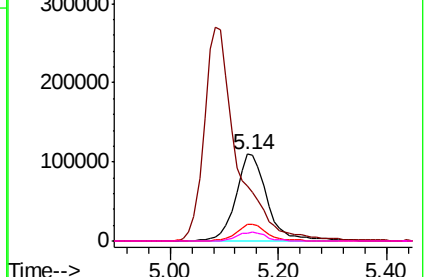
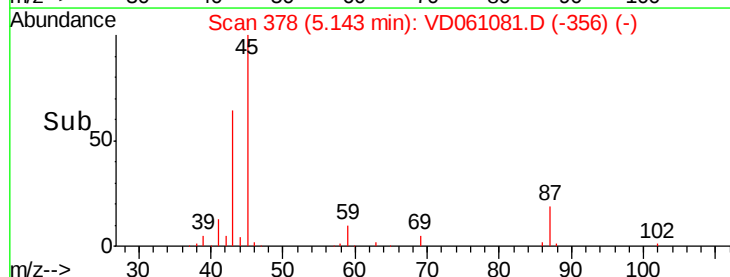


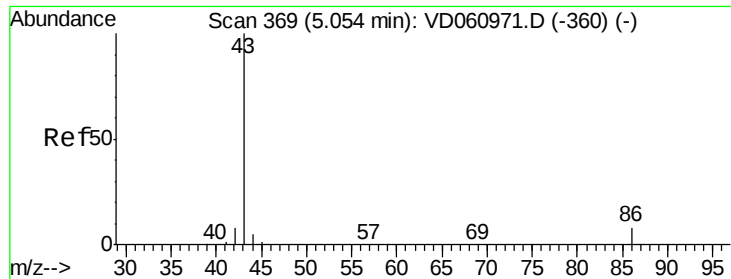
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 93.061 ug/l

RT: 5.08 min Scan# 372

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

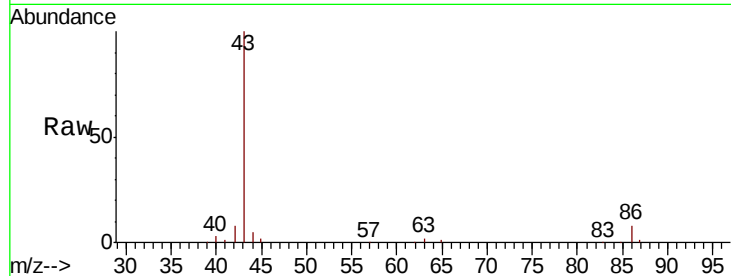
VD0315SBS01

Tgt Ion: 43 Resp: 1118129

Ion Ratio Lower Upper

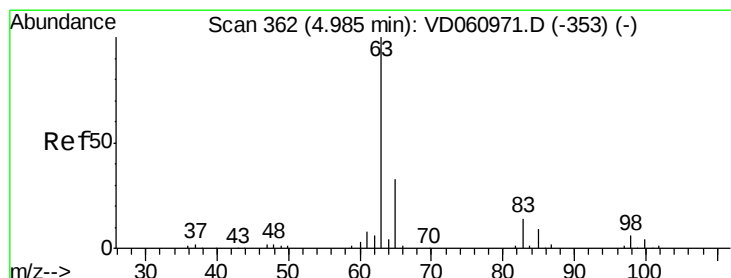
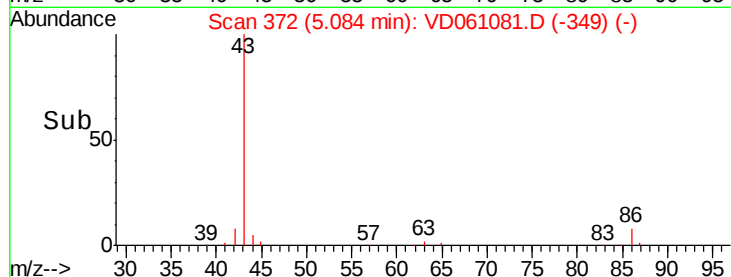
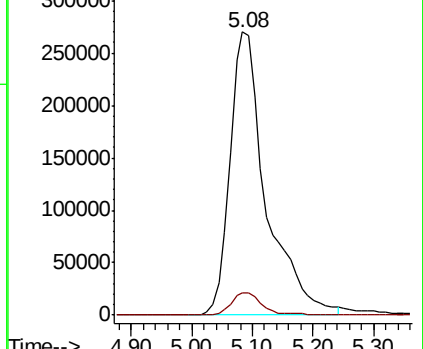
43 100

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: 19.252 ug/l

RT: 5.01 min Scan# 365

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

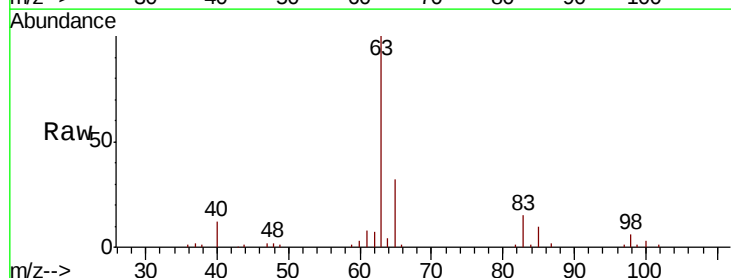
Tgt Ion: 63 Resp: 246882

Ion Ratio Lower Upper

63 100

98 5.7 3.0 9.2

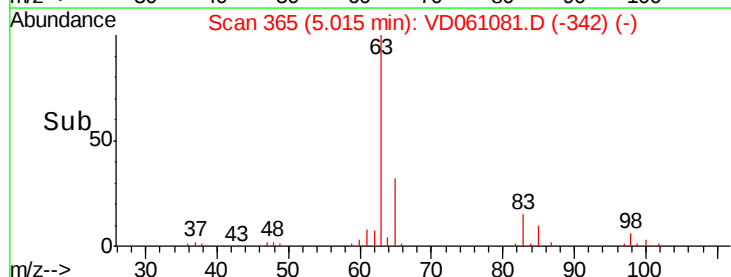
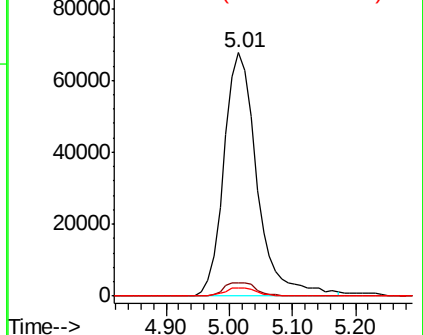
100 3.2 2.0 5.8

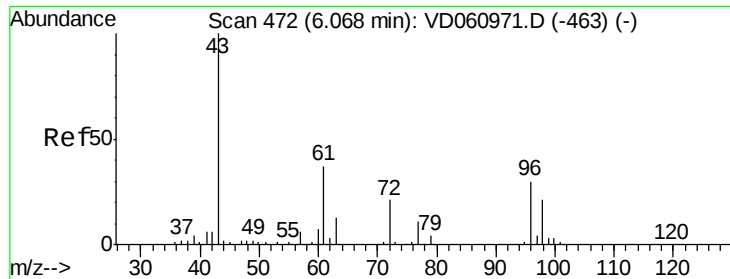


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 91.184 ug/l

RT: 6.10 min Scan# 475

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

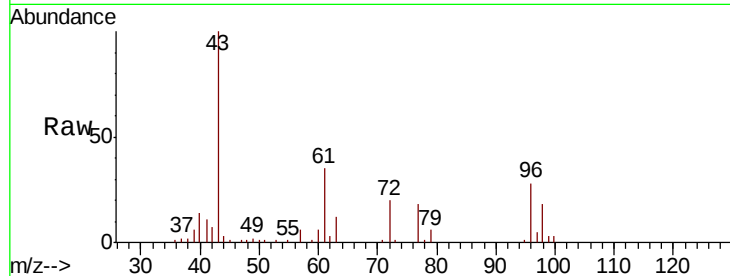
VD0315SBS01

Tgt Ion: 43 Resp: 172894

Ion Ratio Lower Upper

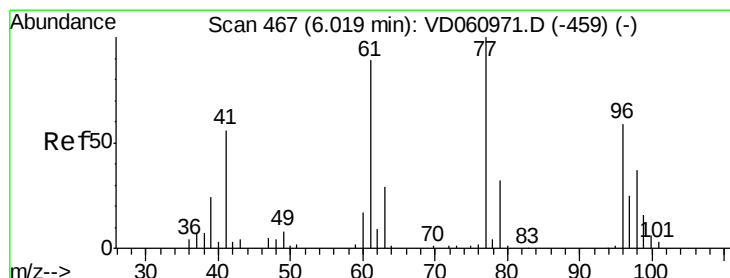
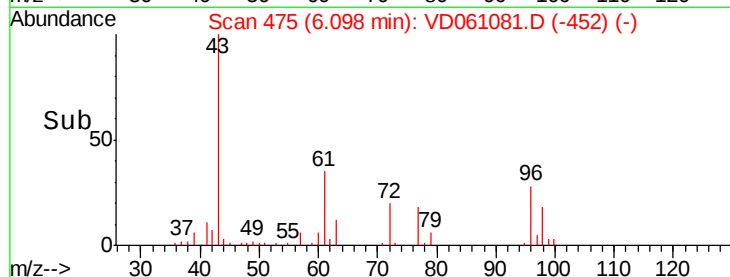
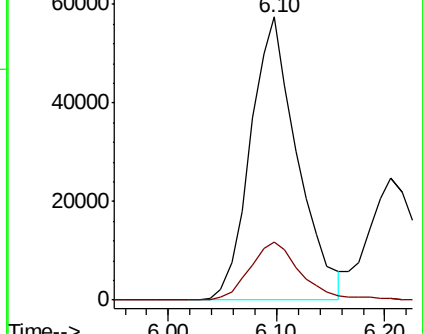
43 100

72 20.4 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: 19.489 ug/l

RT: 6.06 min Scan# 471

Delta R.T. 0.04 min

Lab File: VD061081.D

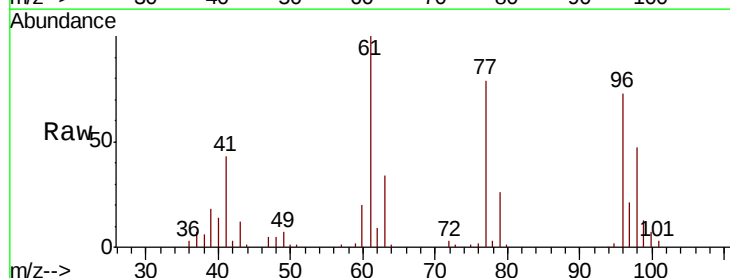
Acq: 15 Mar 2019 12:30

Tgt Ion: 77 Resp: 195108

Ion Ratio Lower Upper

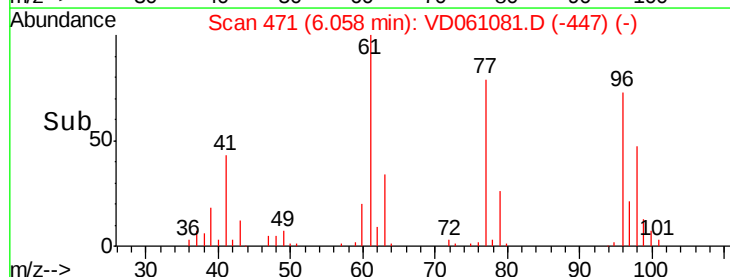
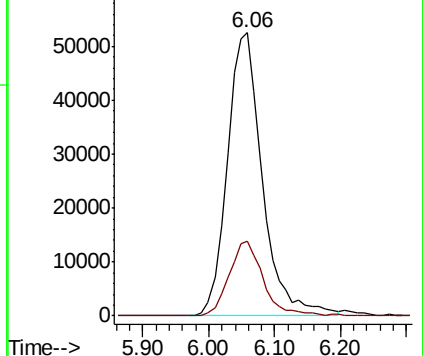
77 100

97 26.5 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



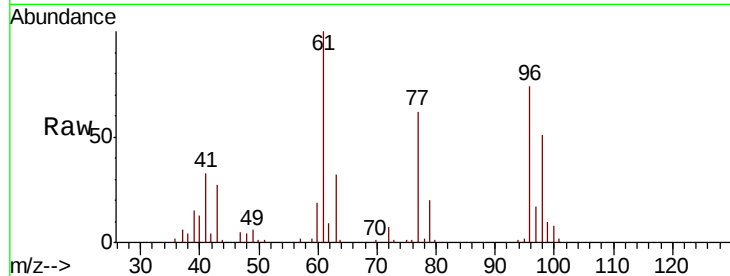


#27

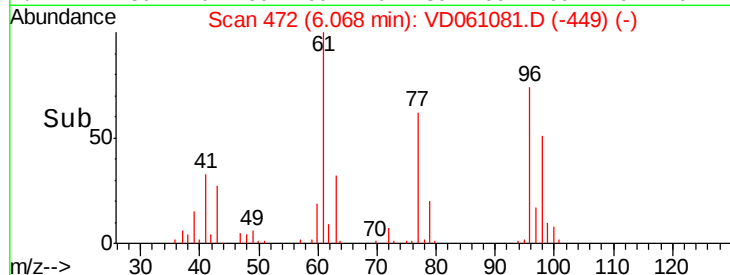
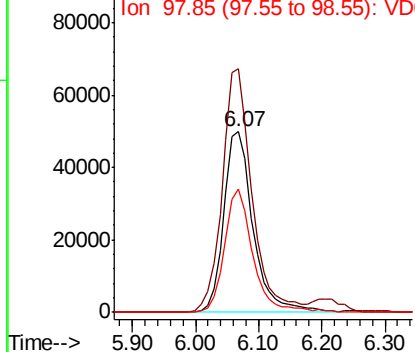
cis-1,2-Dichloroethene
 Concen: 19.831 ug/l
 RT: 6.07 min Scan# 472
 Delta R.T. 0.03 min
 Lab File: VD061081.D
 Acq: 15 Mar 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS01

Tgt Ion: 96 Resp: 160478
 Ion Ratio Lower Upper
 96 100
 61 134.8 0.0 273.6
 98 68.4 0.0 132.6



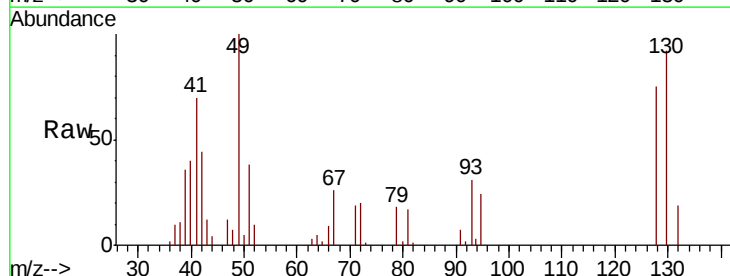
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



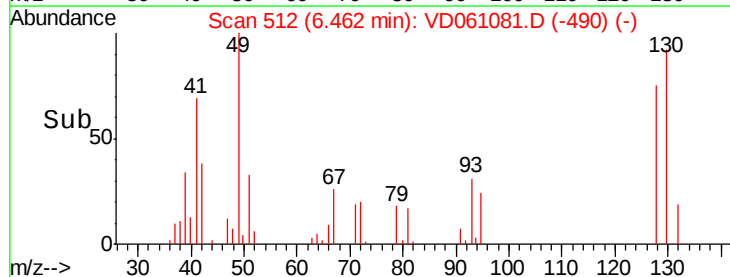
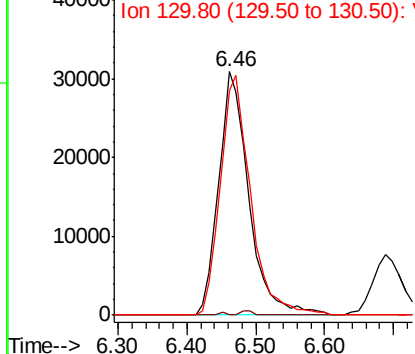
#28

Bromochloromethane
 Concen: 17.225 ug/l
 RT: 6.46 min Scan# 512
 Delta R.T. 0.02 min
 Lab File: VD061081.D
 Acq: 15 Mar 2019 12:30

Tgt Ion: 49 Resp: 93512
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 4.0
 130 92.1 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: 83.653 ug/l

RT: 6.49 min Scan# 515

Delta R.T. 0.04 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBS01

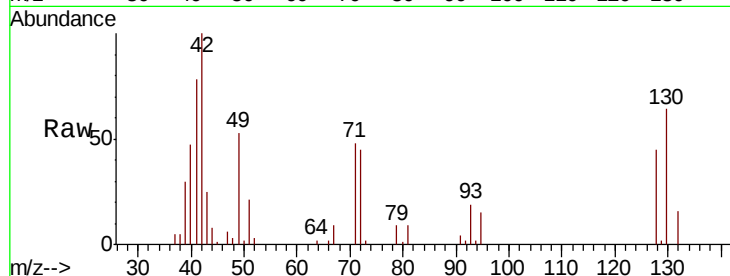
Tgt Ion: 42 Resp: 86128

Ion Ratio Lower Upper

42 100

72 45.9 34.5 51.7

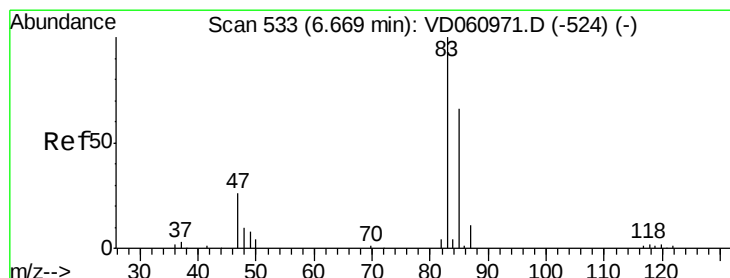
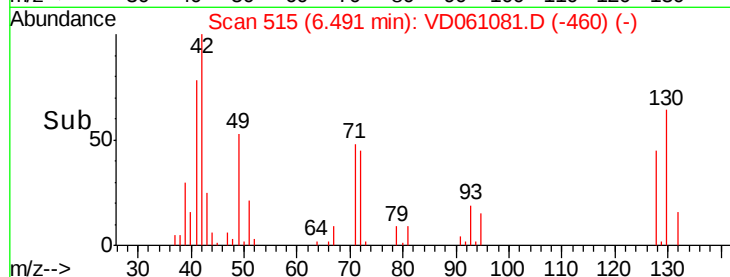
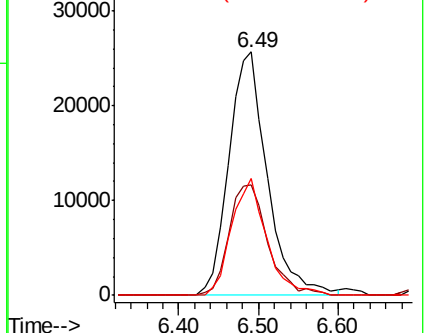
71 43.8 33.8 50.6



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: 19.202 ug/l

RT: 6.70 min Scan# 536

Delta R.T. 0.03 min

Lab File: VD061081.D

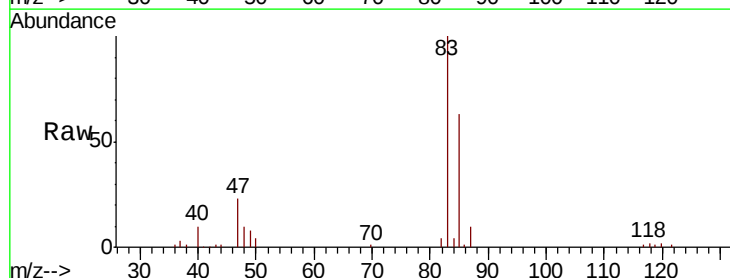
Acq: 15 Mar 2019 12:30

Tgt Ion: 83 Resp: 255213

Ion Ratio Lower Upper

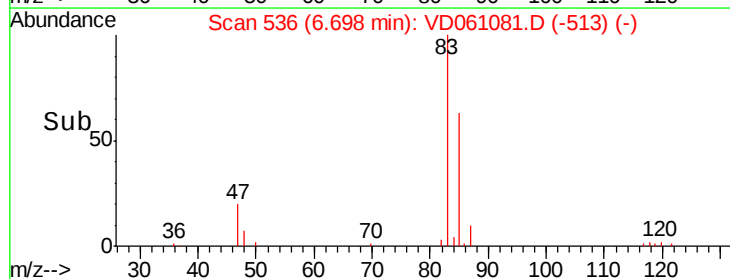
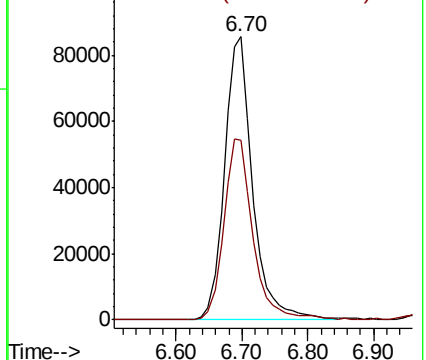
83 100

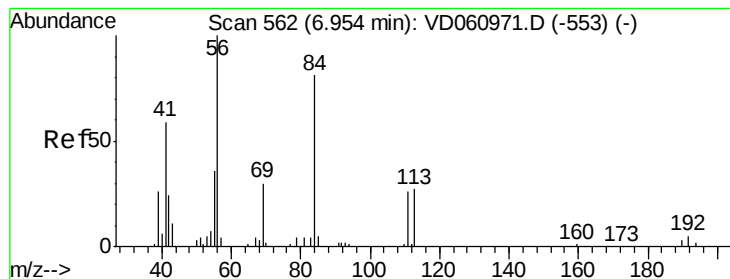
85 63.4 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC





#31

Cyclohexane

Concen: 17.530 ug/l

RT: 6.98 min Scan# 565

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBS01

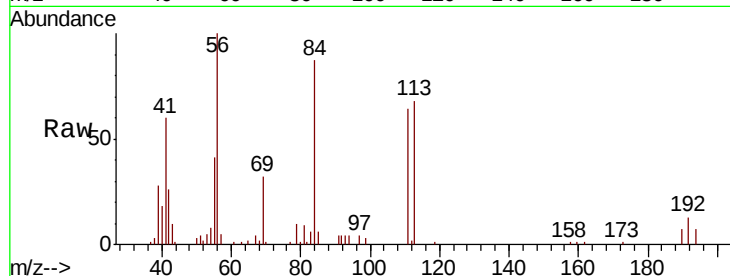
Tgt Ion: 56 Resp: 181262

Ion Ratio Lower Upper

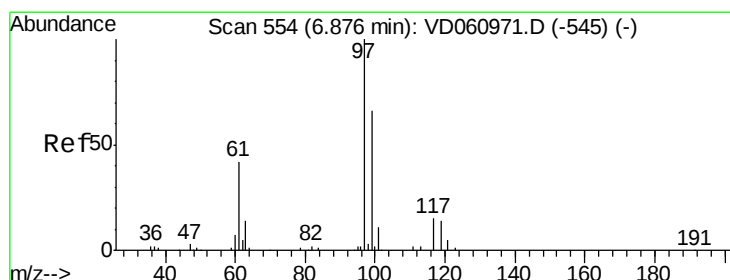
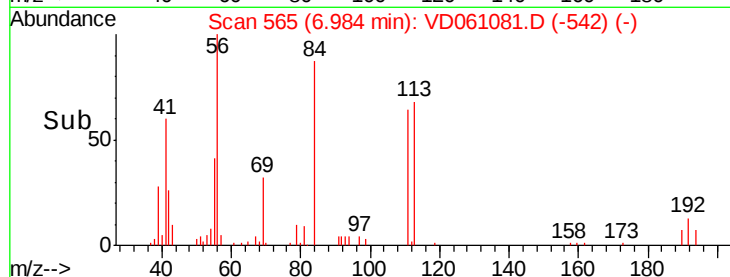
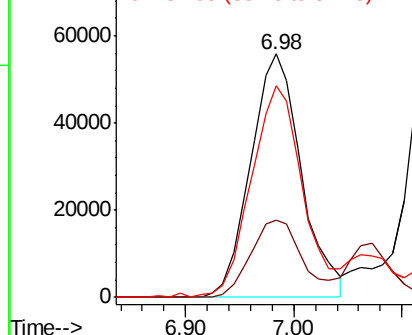
56 100

69 31.8 24.0 36.0

84 86.8 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: 18.731 ug/l

RT: 6.90 min Scan# 557

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

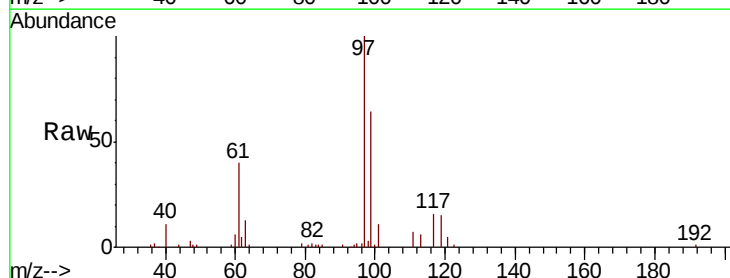
Tgt Ion: 97 Resp: 215225

Ion Ratio Lower Upper

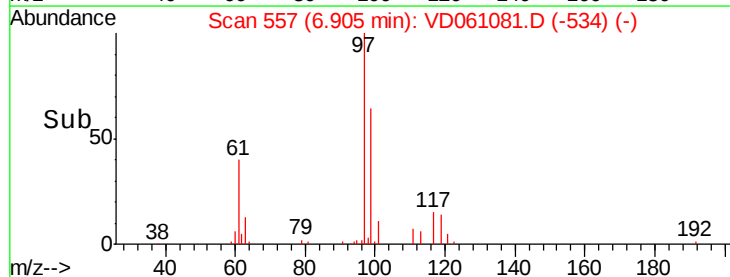
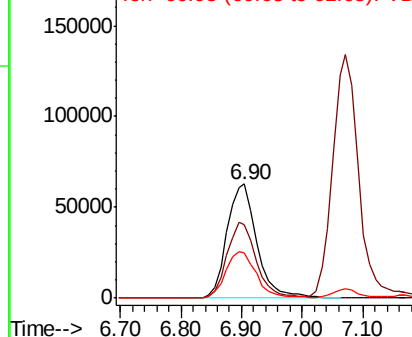
97 100

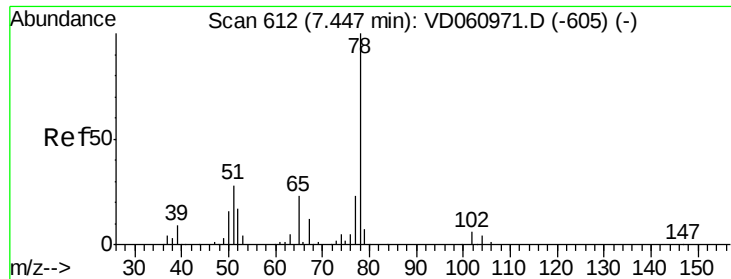
99 64.5 53.2 79.8

61 39.8 33.8 50.8



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





#33

1,2-Dichloroethane-d4

Concen: 18.731 ug/l

RT: 7.48 min Scan# 615

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

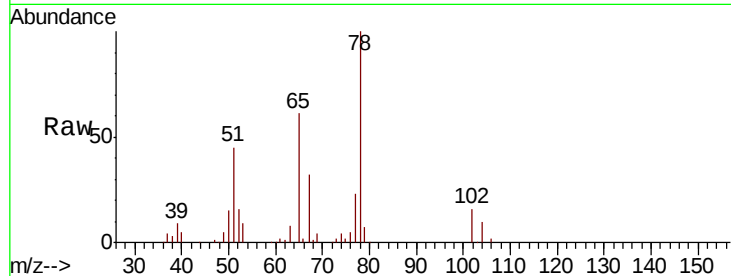
VD0315SBS01

Tgt Ion: 65 Resp: 286481

Ion Ratio Lower Upper

65 100

67 52.5 0.0 105.2



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

120000

100000

80000

60000

40000

20000

0

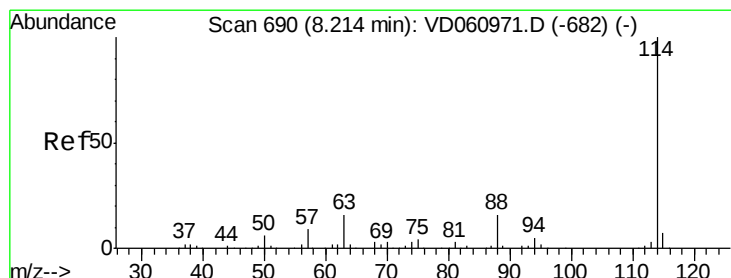
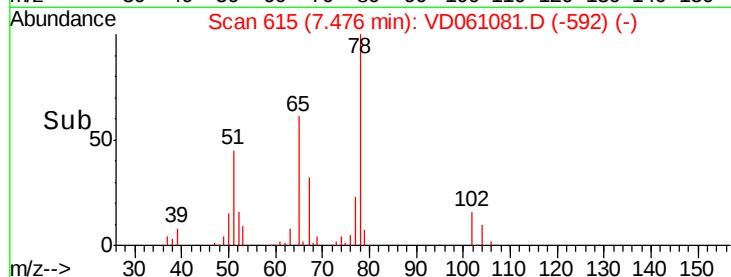
7.40

7.48

7.50

7.60

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.24 min Scan# 693

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

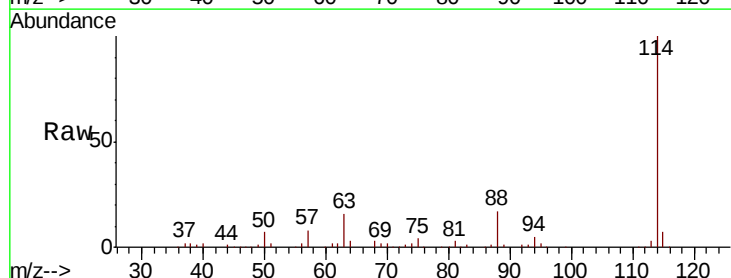
Tgt Ion: 114 Resp: 1137388

Ion Ratio Lower Upper

114 100

63 15.8 0.0 31.4

88 17.1 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

600000

500000

400000

300000

200000

100000

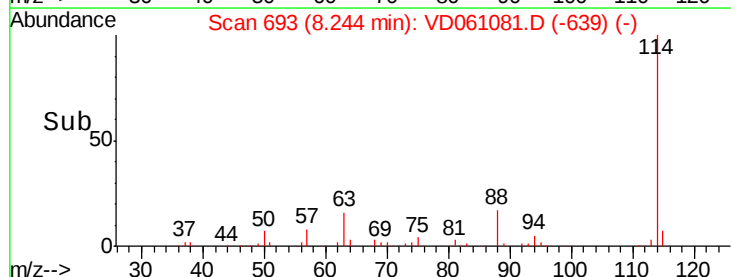
0

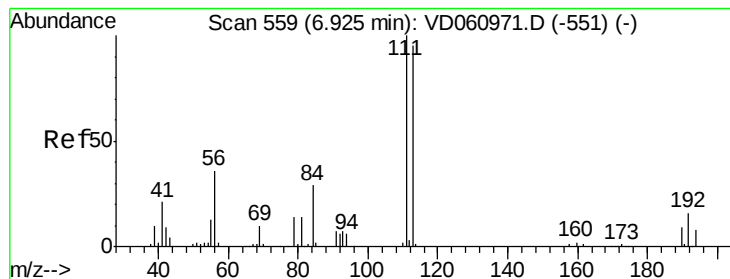
8.20

8.24

8.40

Time-->





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.95 min Scan# 562

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBS01

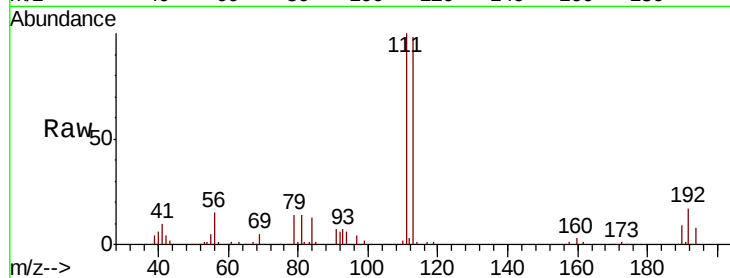
Tgt Ion:113 Resp: 443249

Ion Ratio Lower Upper

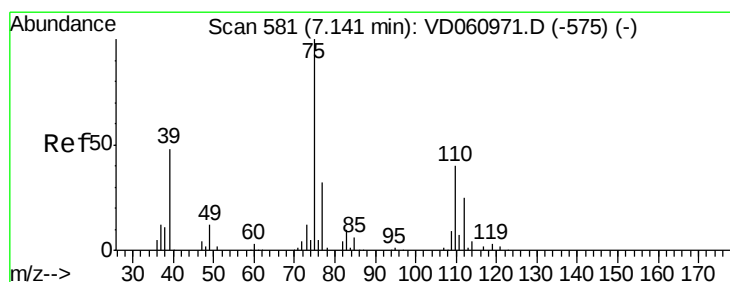
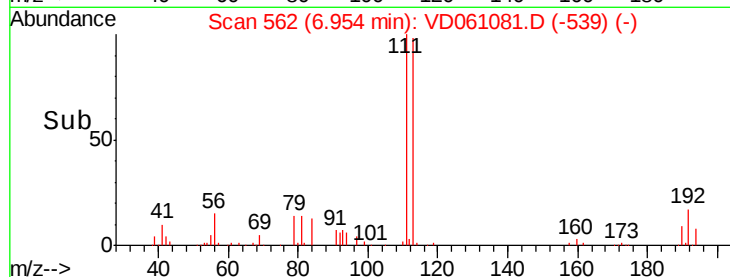
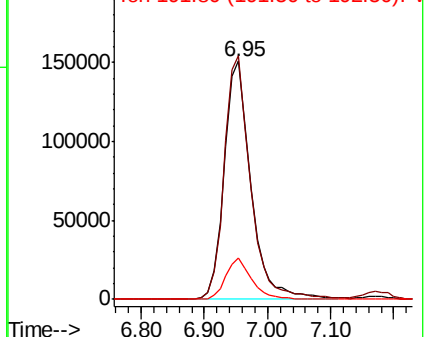
113 100

111 102.2 84.2 126.4

192 17.2 13.1 19.7



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



#36

1,1-Dichloropropene

Concen: 20.210 ug/l

RT: 7.17 min Scan# 584

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

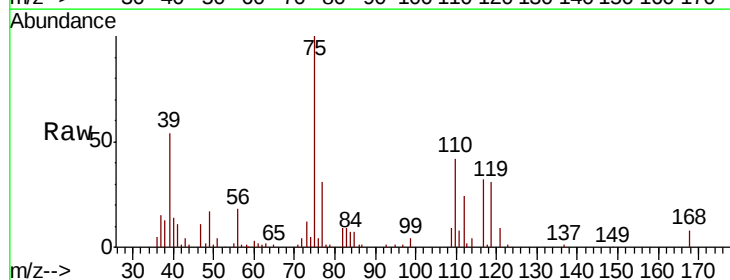
Tgt Ion: 75 Resp: 198144

Ion Ratio Lower Upper

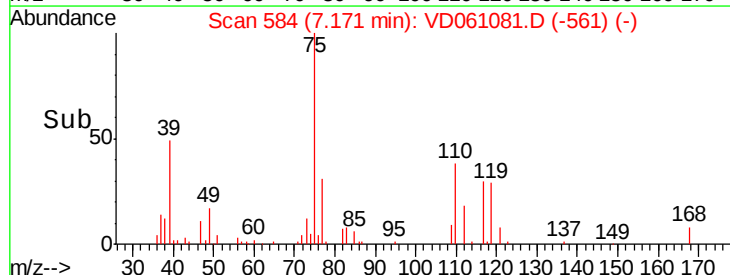
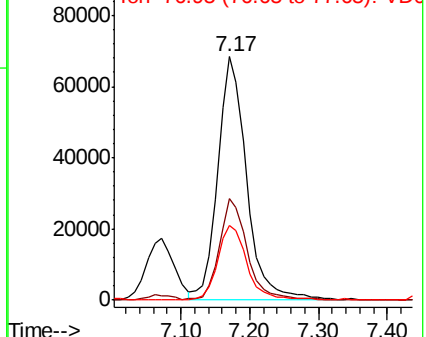
75 100

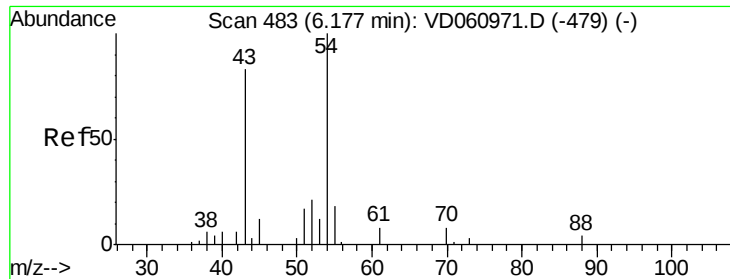
110 41.8 19.7 59.1

77 30.9 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

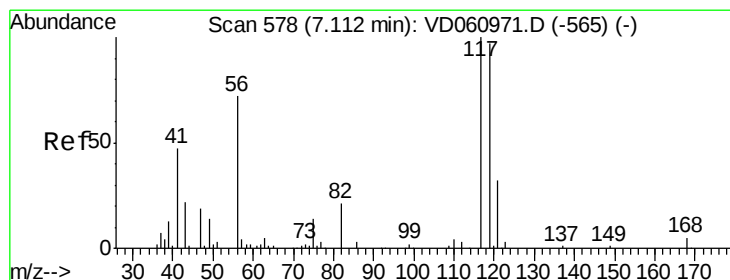
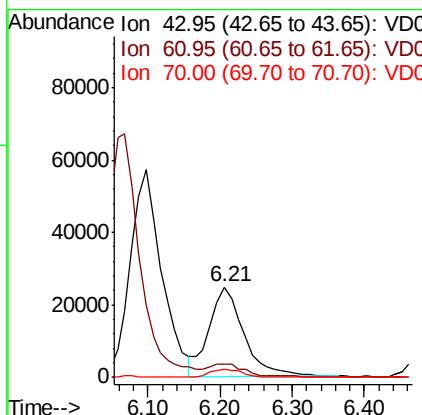
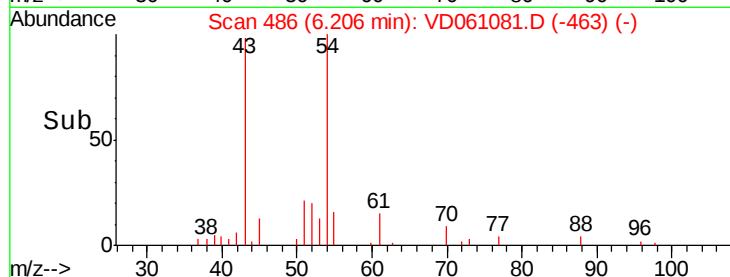
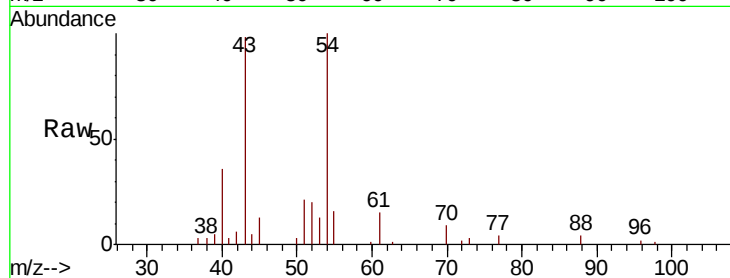




#37
Ethyl Acetate
Concen: 18.103 ug/l
RT: 6.21 min Scan# 486
Delta R.T. 0.03 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

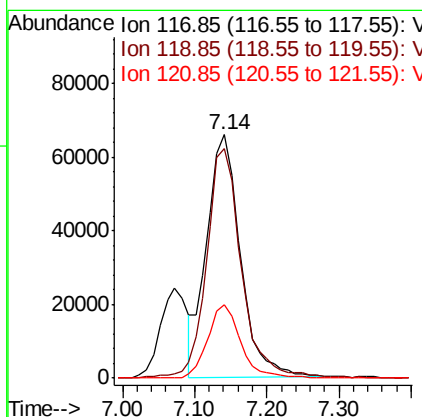
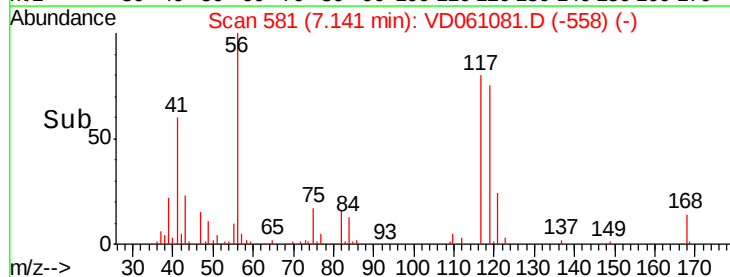
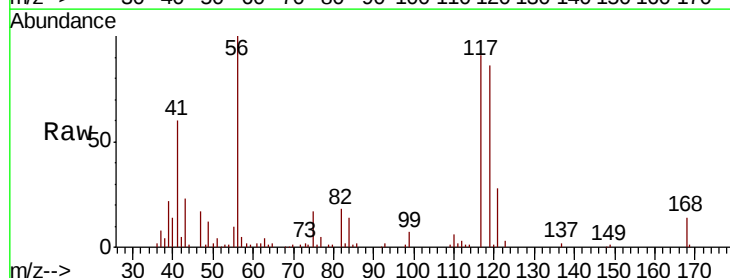
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

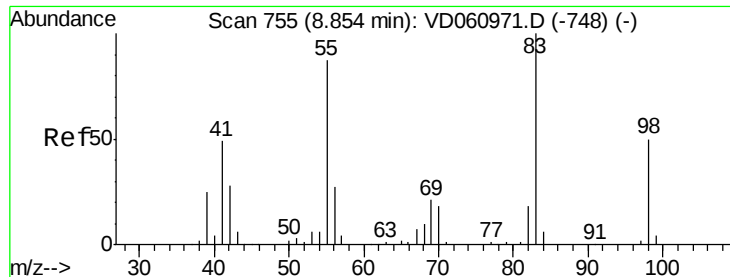
Tgt Ion: 43 Resp: 83286
Ion Ratio Lower Upper
43 100
61 14.9 13.7 20.5
70 9.3 7.1 10.7



#38
Carbon Tetrachloride
Concen: 19.845 ug/l
RT: 7.14 min Scan# 581
Delta R.T. 0.03 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

Tgt Ion: 117 Resp: 214312
Ion Ratio Lower Upper
117 100
119 94.5 77.8 116.8
121 30.2 25.3 37.9

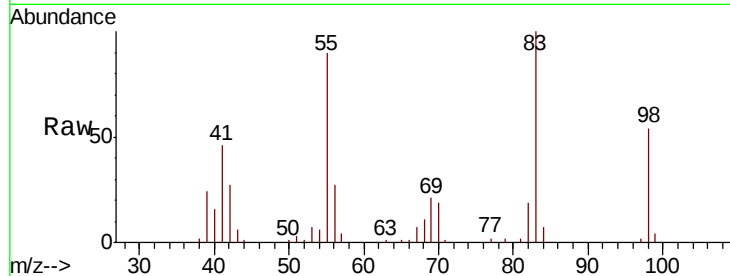




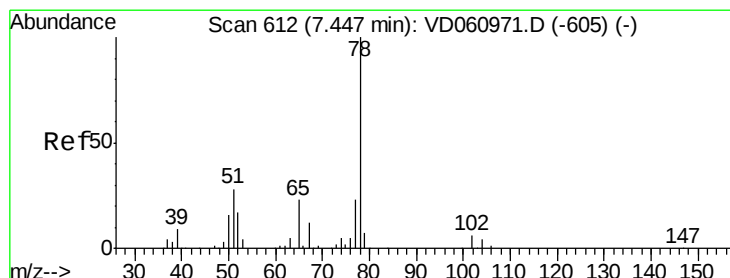
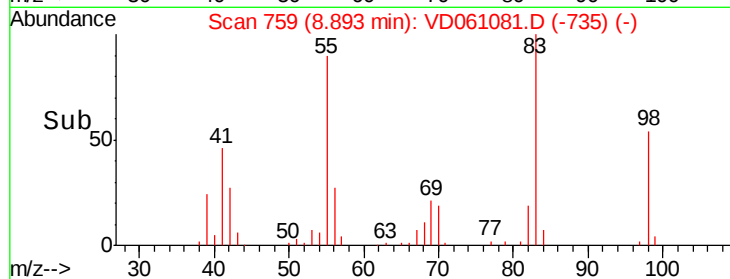
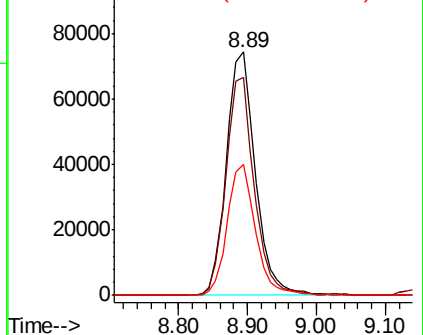
#39
Methylcyclohexane
Concen: 21.276 ug/l
RT: 8.89 min Scan# 759
Delta R.T. 0.04 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

Tgt Ion: 83 Resp: 216297
Ion Ratio Lower Upper
83 100
55 89.5 69.6 104.4
98 54.0 40.0 60.0

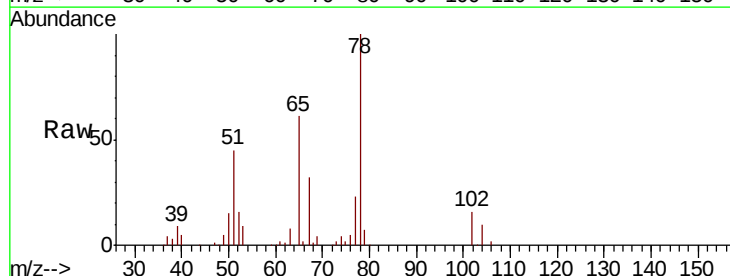


Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC

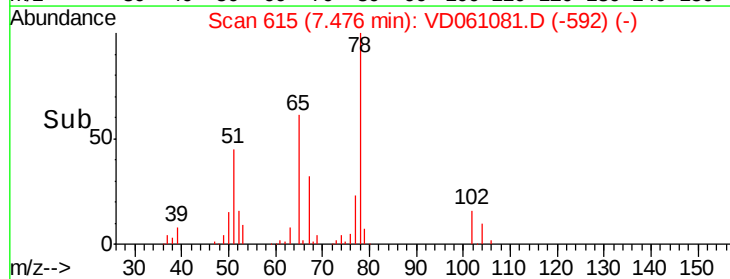
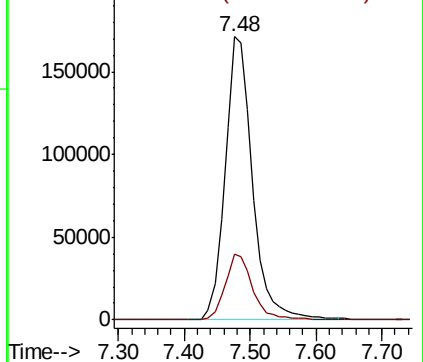


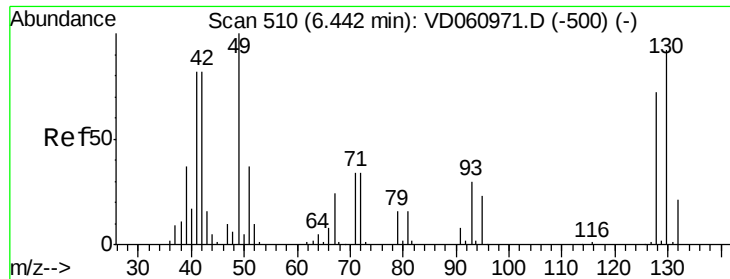
#40
Benzene
Concen: 20.299 ug/l
RT: 7.48 min Scan# 615
Delta R.T. 0.03 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

Tgt Ion: 78 Resp: 497277
Ion Ratio Lower Upper
78 100
77 23.2 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: 18.003 ug/l

RT: 6.47 min Scan# 513

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBS01

Tgt Ion: 41 Resp: 95267

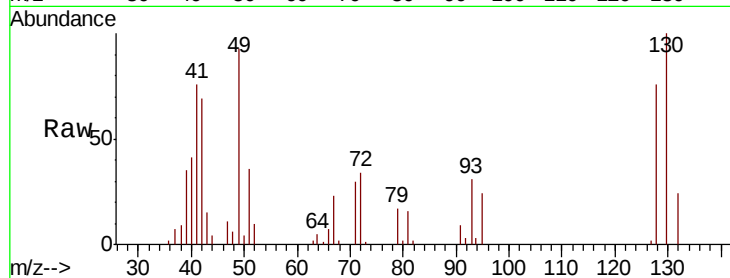
Ion Ratio Lower Upper

41 100

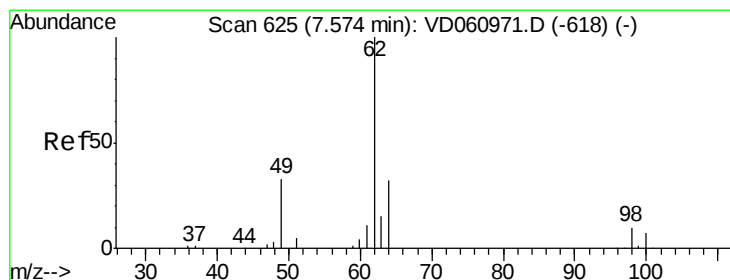
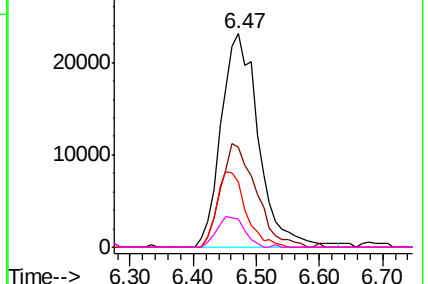
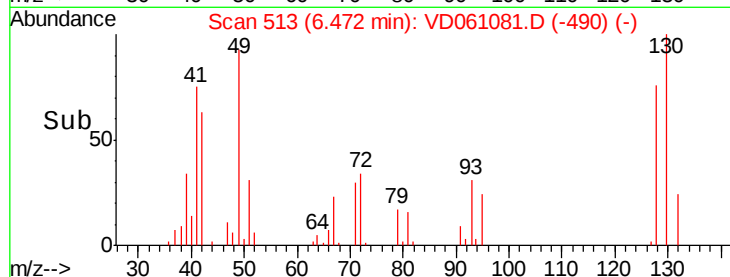
39 46.5 35.7 53.5

67 30.7 23.0 34.6

52 13.3 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: 19.919 ug/l

RT: 7.60 min Scan# 628

Delta R.T. 0.03 min

Lab File: VD061081.D

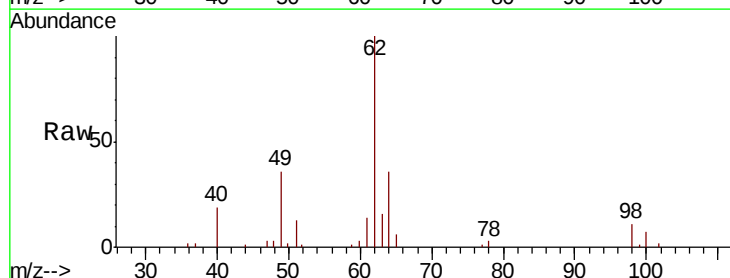
Acq: 15 Mar 2019 12:30

Tgt Ion: 62 Resp: 141607

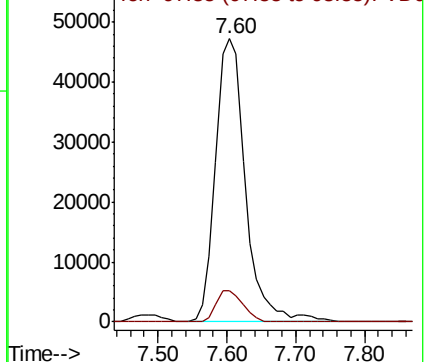
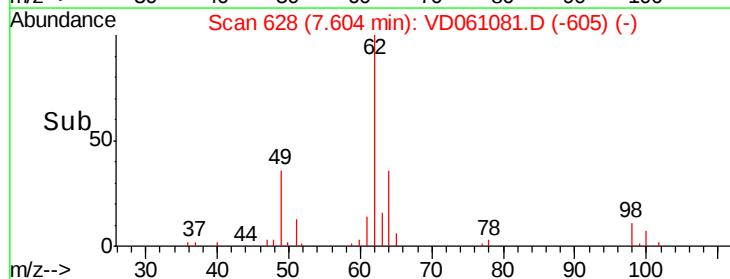
Ion Ratio Lower Upper

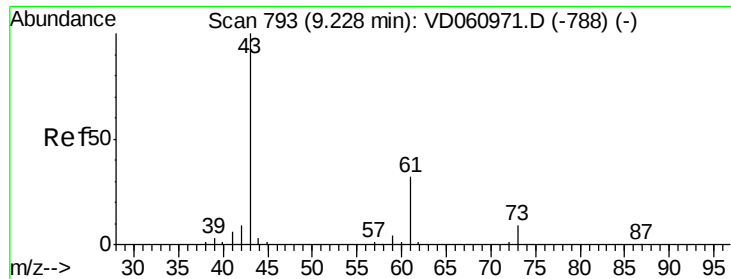
62 100

98 11.2 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: 17.189 ug/l

RT: 9.26 min Scan# 796

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBS01

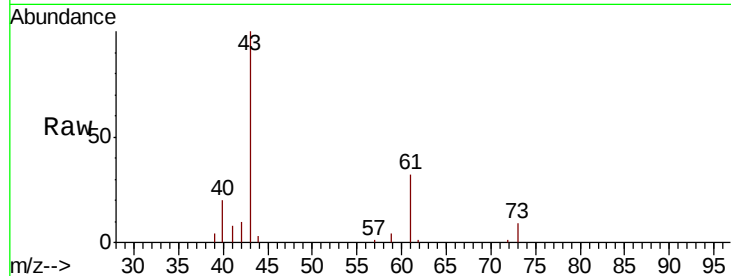
Tgt Ion: 43 Resp: 109530

Ion Ratio Lower Upper

43 100

61 32.2 25.6 38.4

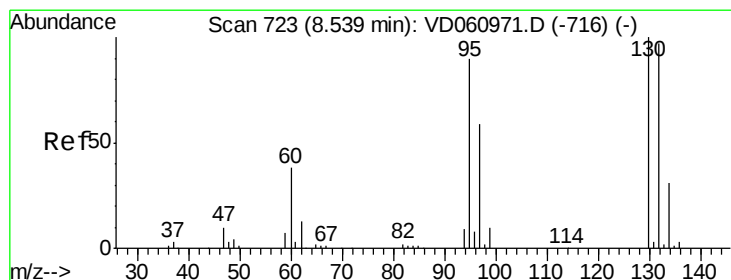
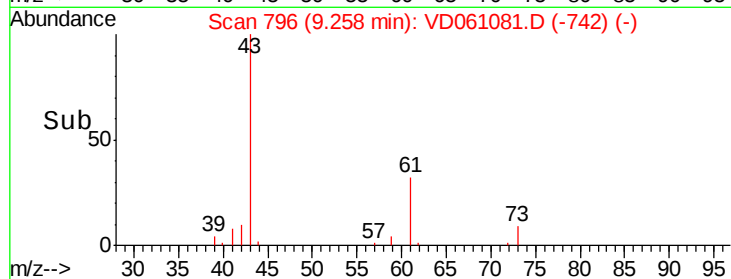
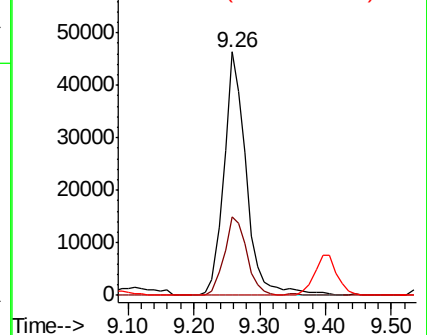
87 0.0 0.2 0.4#



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: 21.140 ug/l

RT: 8.57 min Scan# 726

Delta R.T. 0.03 min

Lab File: VD061081.D

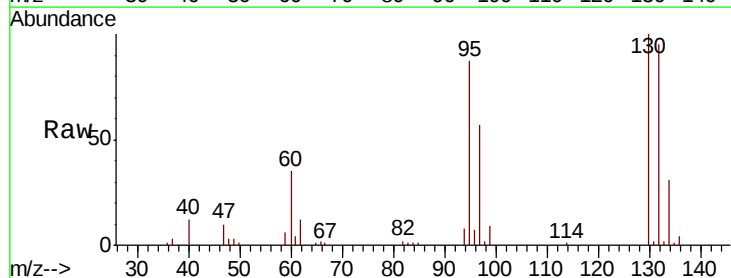
Acq: 15 Mar 2019 12:30

Tgt Ion: 130 Resp: 178667

Ion Ratio Lower Upper

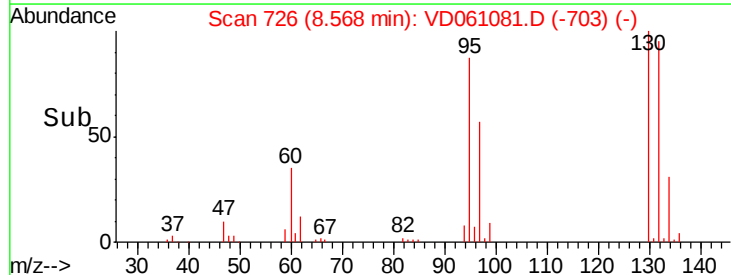
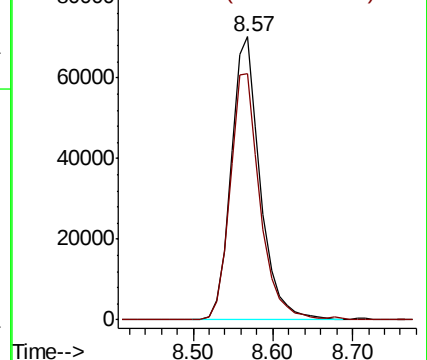
130 100

95 87.1 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: 20.190 ug/l

RT: 8.96 min Scan# 766

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

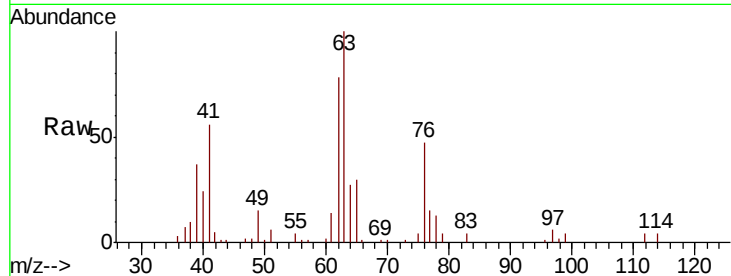
VD0315SBS01

Tgt Ion: 63 Resp: 129949

Ion Ratio Lower Upper

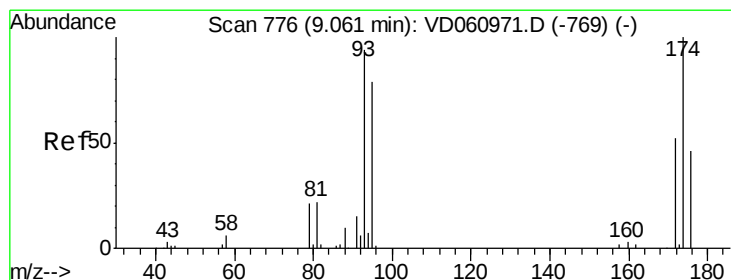
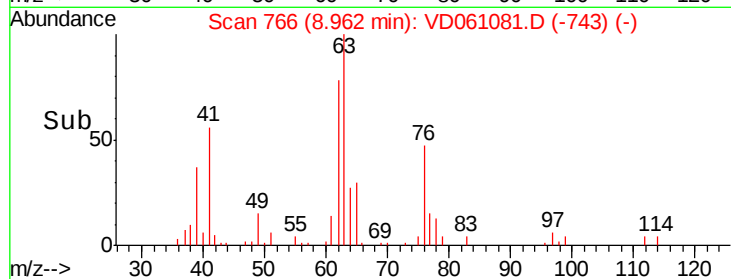
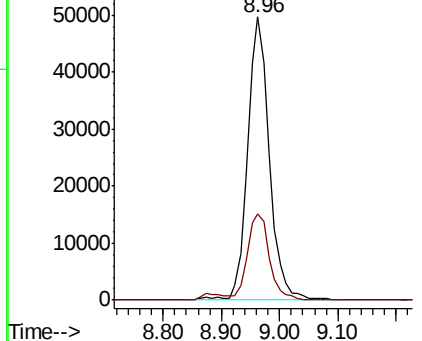
63 100

65 30.5 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: 19.696 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.02 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

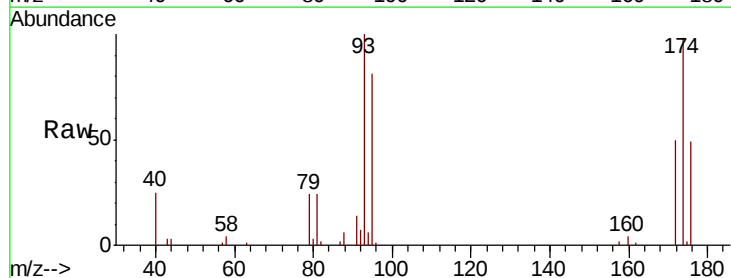
Tgt Ion: 93 Resp: 80411

Ion Ratio Lower Upper

93 100

95 81.3 67.4 101.0

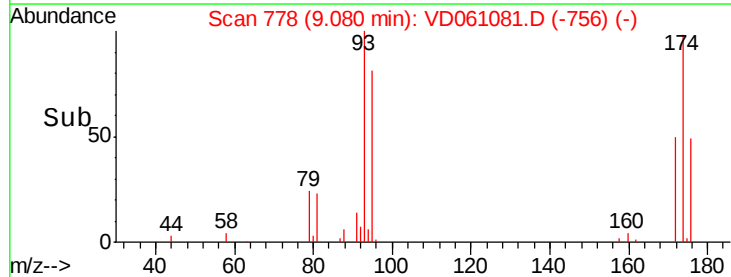
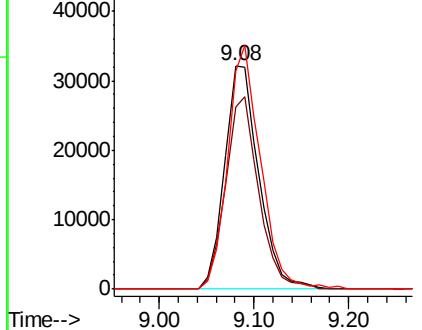
174 97.6 85.4 128.0



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: 19.360 ug/l

RT: 9.40 min Scan# 810

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBS01

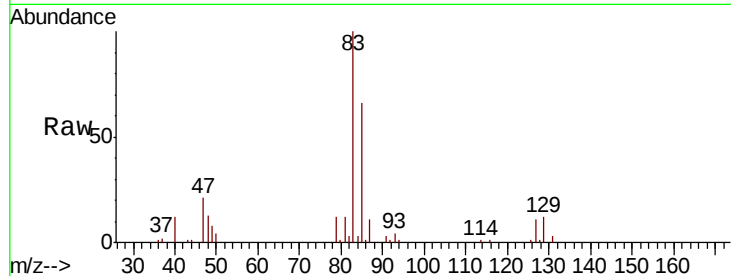
Tgt Ion: 83 Resp: 178357

Ion Ratio Lower Upper

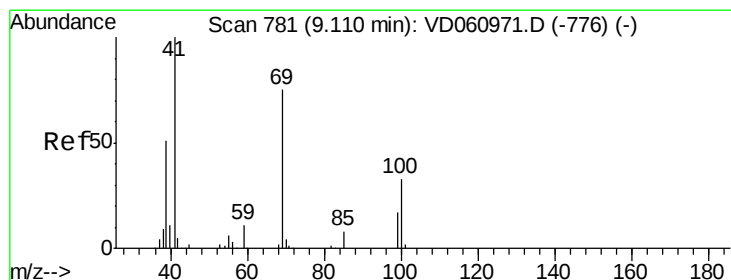
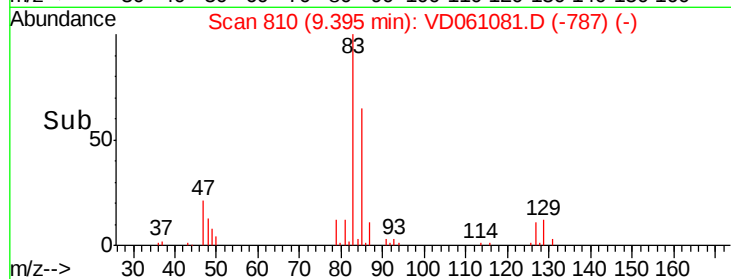
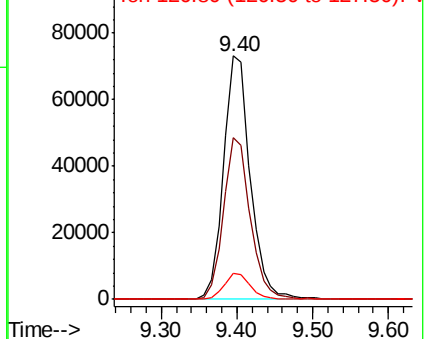
83 100

85 66.3 52.5 78.7

127 10.8 7.5 11.3



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



#48

Methyl methacrylate

Concen: 19.038 ug/l

RT: 9.14 min Scan# 784

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

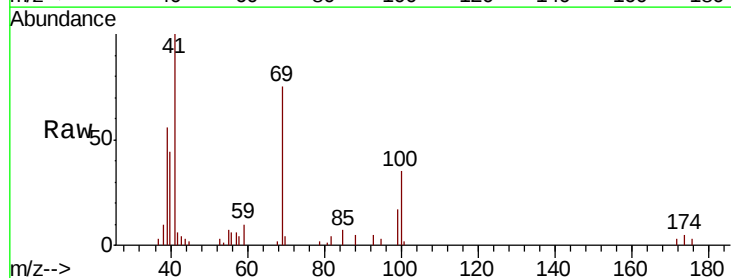
Tgt Ion: 41 Resp: 68302

Ion Ratio Lower Upper

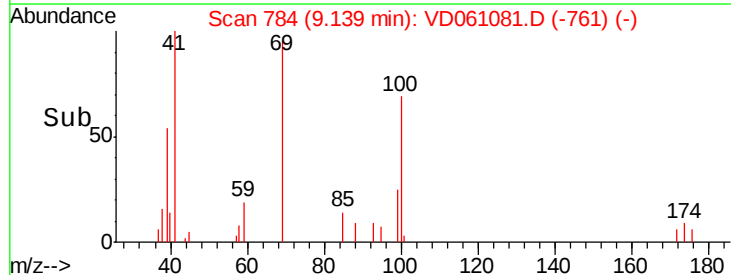
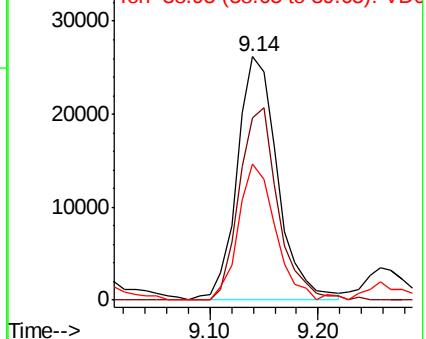
41 100

69 74.8 59.9 89.9

39 55.7 40.9 61.3



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

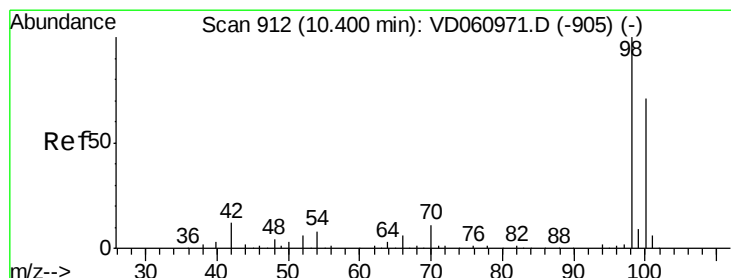
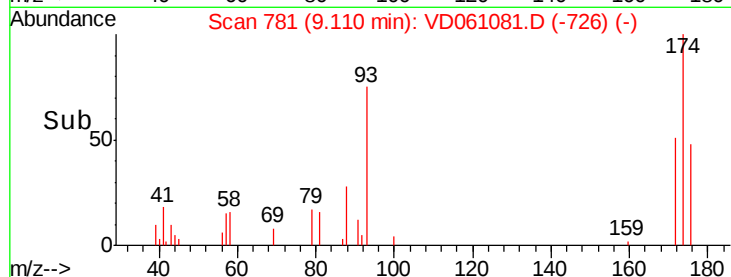
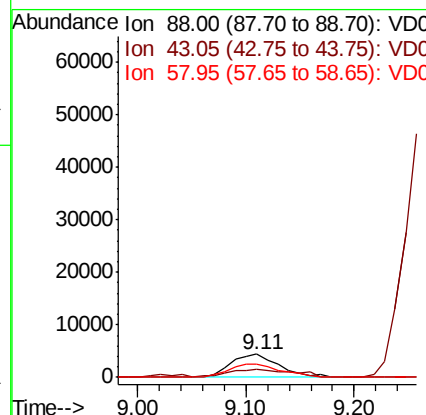
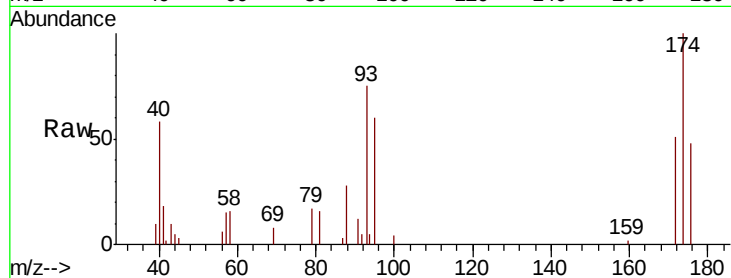




#49
1,4-Dioxane
Concen: 374.131 ug/l
RT: 9.11 min Scan# 781
Delta R.T. 0.04 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

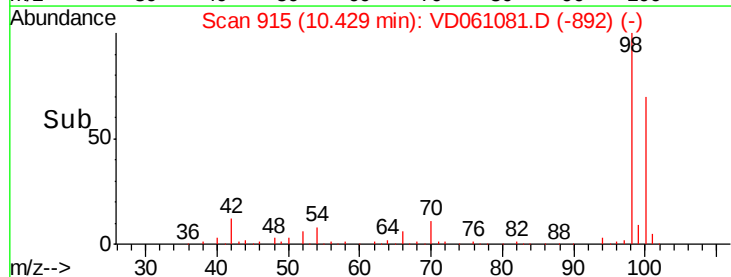
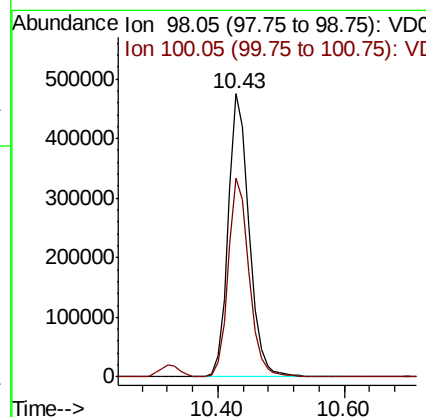
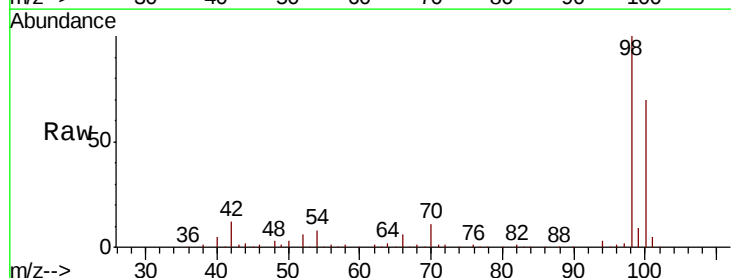
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

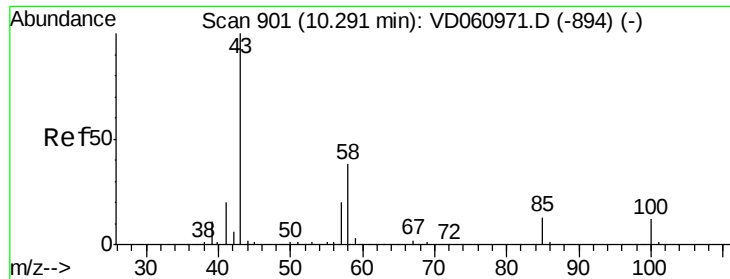
Tgt Ion: 88 Resp: 13573
Ion Ratio Lower Upper
88 100
43 34.8 21.0 31.6#
58 55.2 48.6 72.8



#50
Toluene-d8
Concen: 374.131 ug/l
RT: 10.43 min Scan# 915
Delta R.T. 0.03 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

Tgt Ion: 98 Resp: 1093829
Ion Ratio Lower Upper
98 100
100 70.4 57.4 86.2

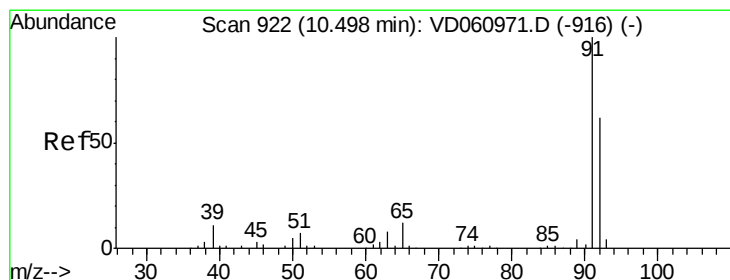
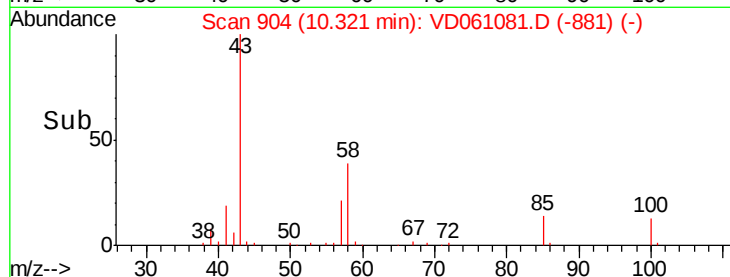
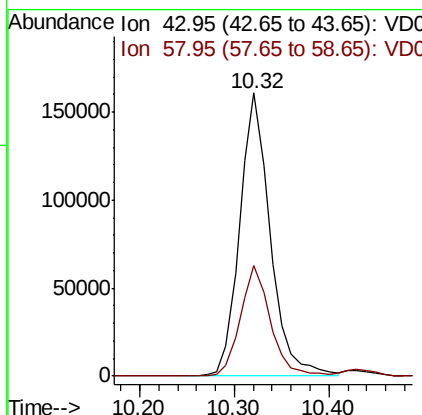
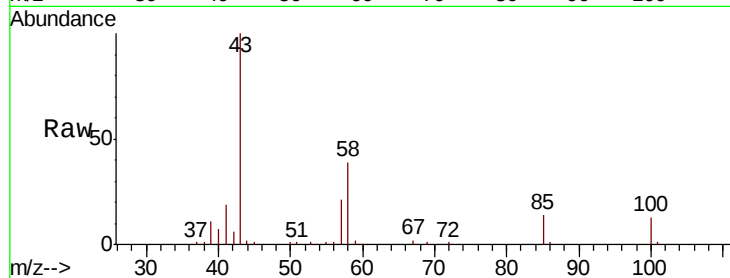




#51
4-Methyl-2-Pentanone
Concen: 91.994 ug/l
RT: 10.32 min Scan# 904
Delta R.T. 0.03 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

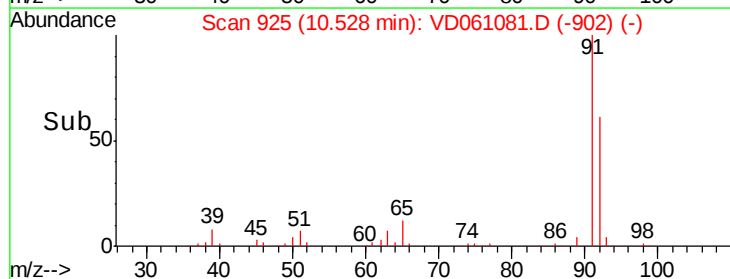
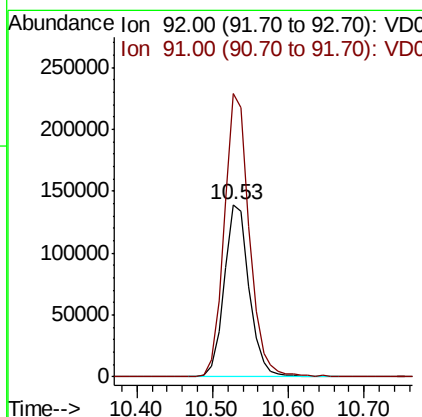
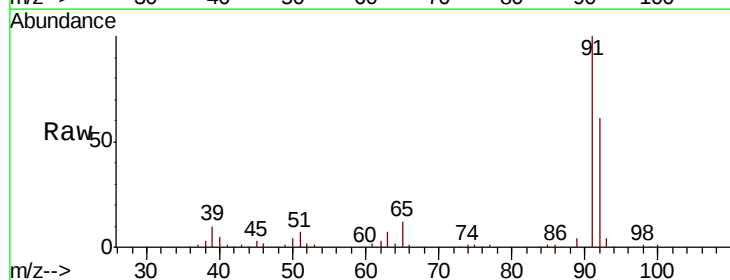
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

Tgt Ion: 43 Resp: 359124
Ion Ratio Lower Upper
43 100
58 39.0 30.2 45.2



#52
Toluene
Concen: 20.846 ug/l
RT: 10.53 min Scan# 925
Delta R.T. 0.03 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

Tgt Ion: 92 Resp: 317571
Ion Ratio Lower Upper
92 100
91 164.2 129.8 194.8

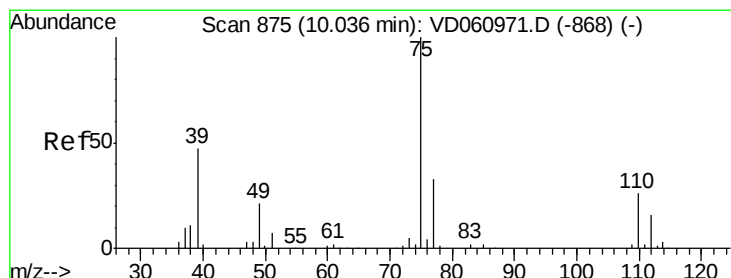
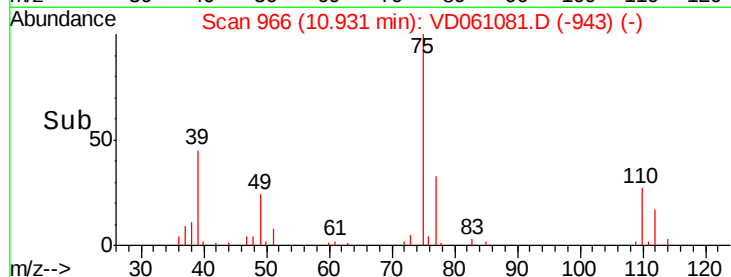
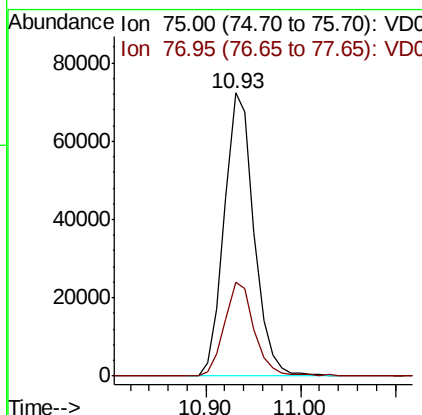
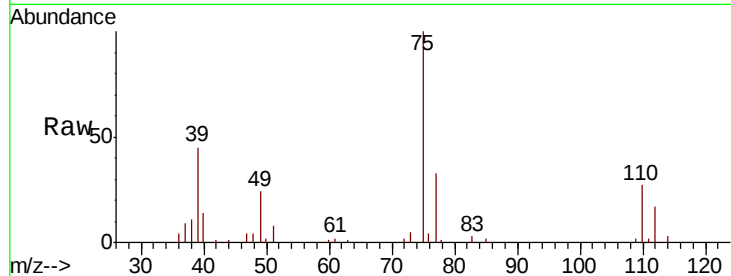




#53
 t-1,3-Dichloropropene
 Concen: 18.680 ug/l
 RT: 10.93 min Scan# 966
 Delta R.T. 0.03 min
 Lab File: VD061081.D
 Acq: 15 Mar 2019 12:30

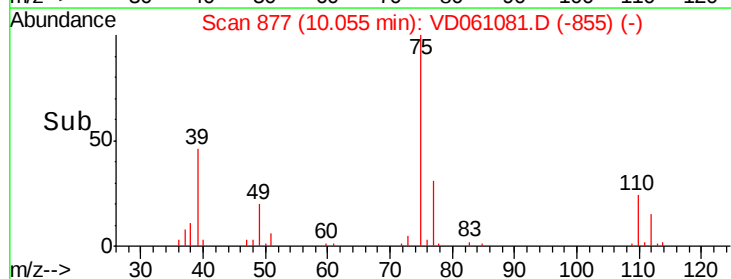
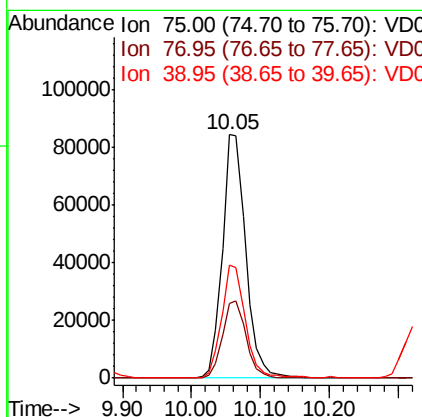
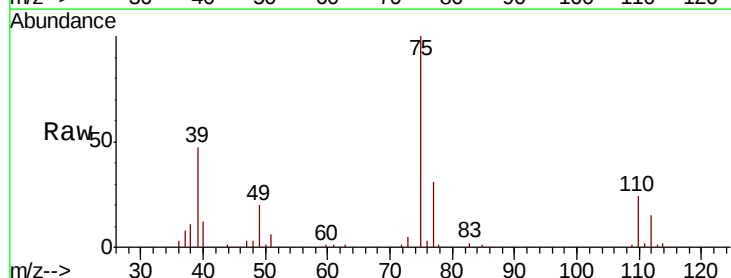
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS01

Tgt Ion: 75 Resp: 157366
 Ion Ratio Lower Upper
 75 100
 77 33.1 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 19.595 ug/l
 RT: 10.05 min Scan# 877
 Delta R.T. 0.02 min
 Lab File: VD061081.D
 Acq: 15 Mar 2019 12:30

Tgt Ion: 75 Resp: 198333
 Ion Ratio Lower Upper
 75 100
 77 30.5 26.2 39.4
 39 46.6 37.8 56.8

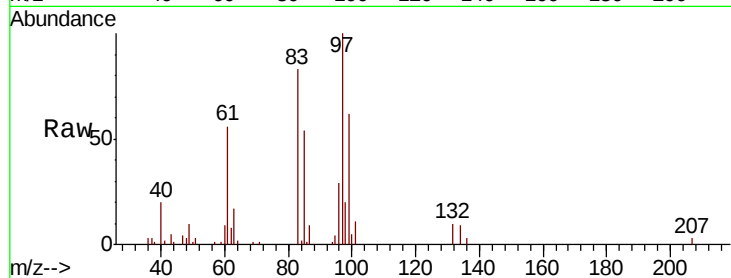




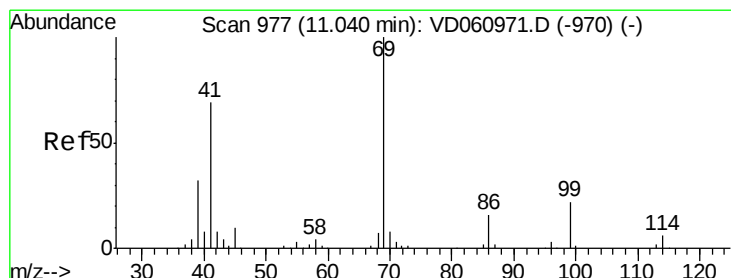
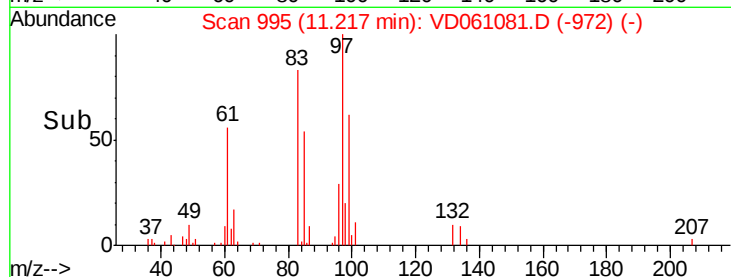
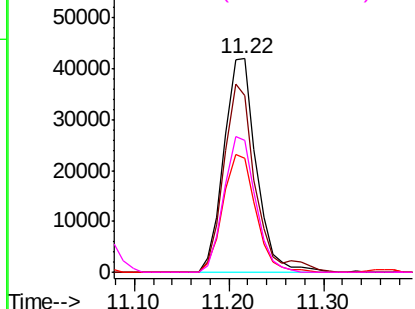
#55
 1,1,2-Trichloroethane
 Concen: 19.600 ug/l
 RT: 11.22 min Scan# 995
 Delta R.T. 0.03 min
 Lab File: VD061081.D
 Acq: 15 Mar 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS01

Tgt Ion: 97 Resp: 99436
 Ion Ratio Lower Upper
 97 100
 83 82.7 66.6 100.0
 85 53.6 46.4 69.6
 99 61.9 52.4 78.6

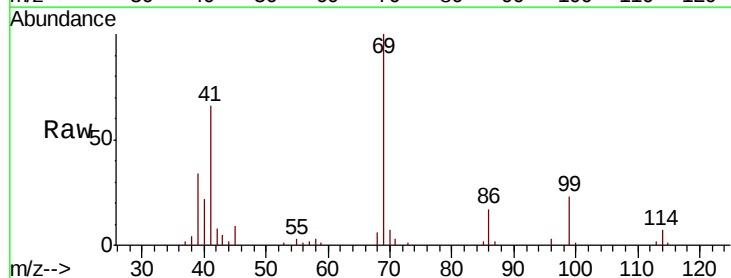


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

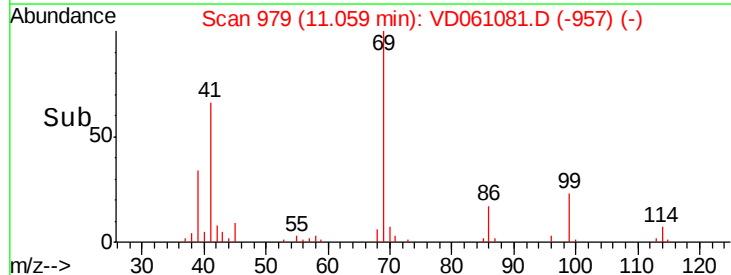
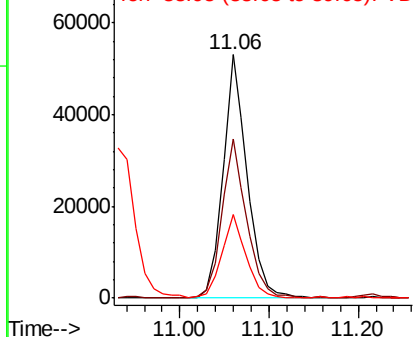


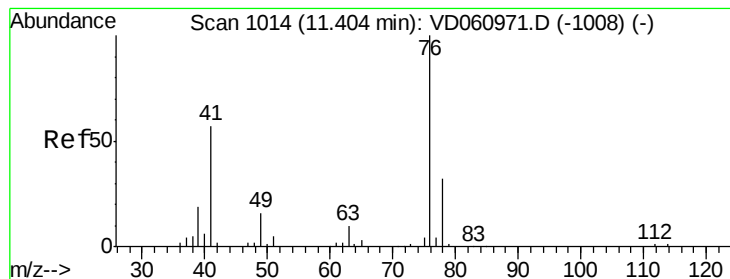
#56
 Ethyl methacrylate
 Concen: 18.899 ug/l
 RT: 11.06 min Scan# 979
 Delta R.T. 0.02 min
 Lab File: VD061081.D
 Acq: 15 Mar 2019 12:30

Tgt Ion: 69 Resp: 100359
 Ion Ratio Lower Upper
 69 100
 41 65.6 55.5 83.3
 39 34.1 26.2 39.2



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





#57

1,3-Dichloropropane

Concen: 20.416 ug/l

RT: 11.42 min Scan# 1016

Delta R.T. 0.02 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

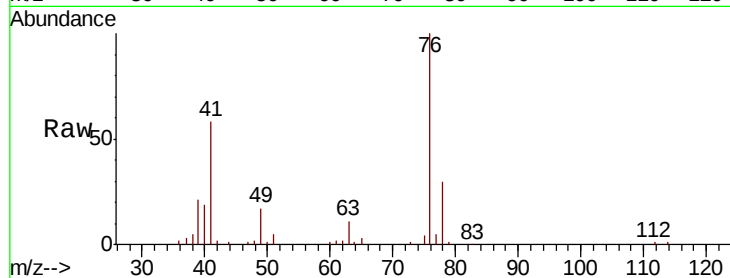
VD0315SBS01

Tgt Ion: 76 Resp: 154777

Ion Ratio Lower Upper

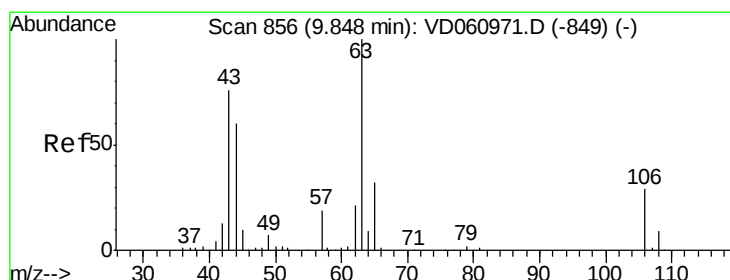
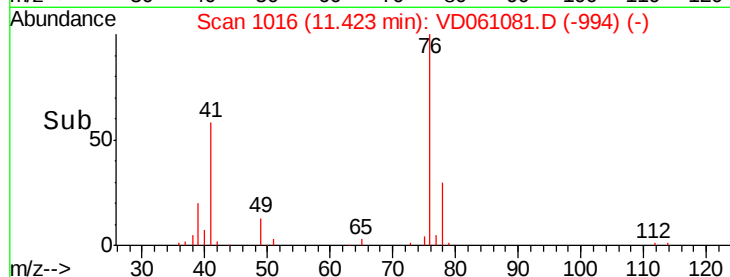
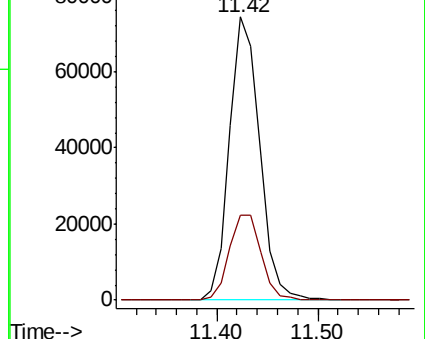
76 100

78 30.2 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: 88.164 ug/l

RT: 9.88 min Scan# 859

Delta R.T. 0.03 min

Lab File: VD061081.D

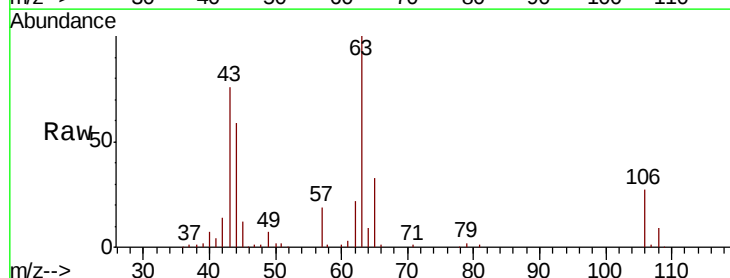
Acq: 15 Mar 2019 12:30

Tgt Ion: 63 Resp: 247810

Ion Ratio Lower Upper

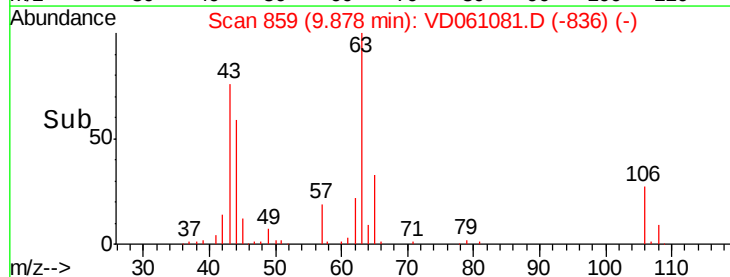
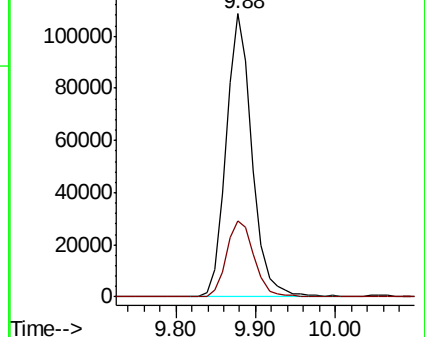
63 100

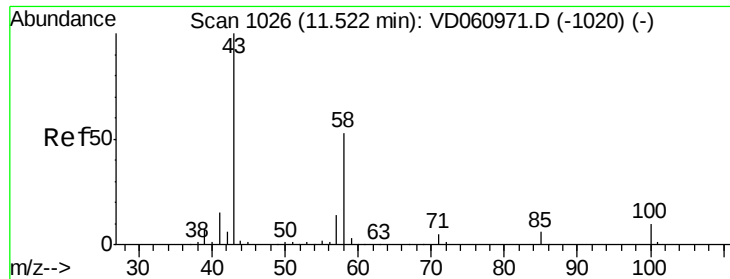
106 26.7 22.8 34.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

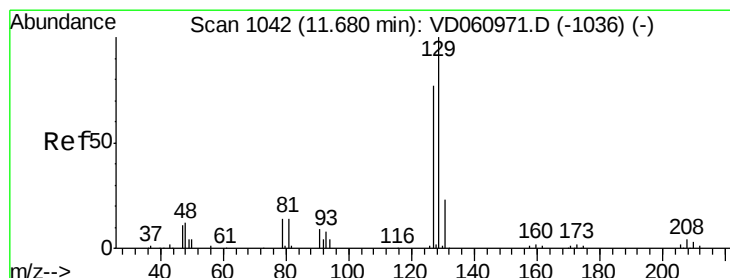
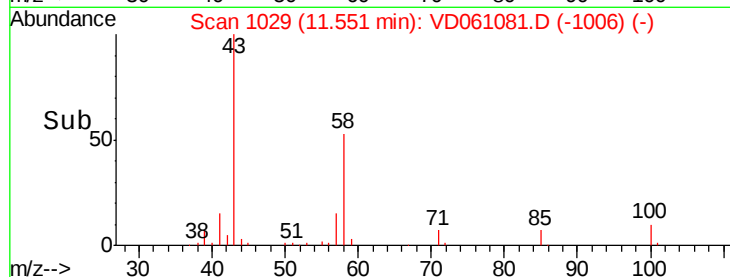
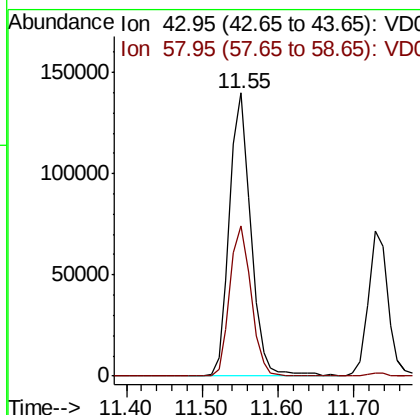
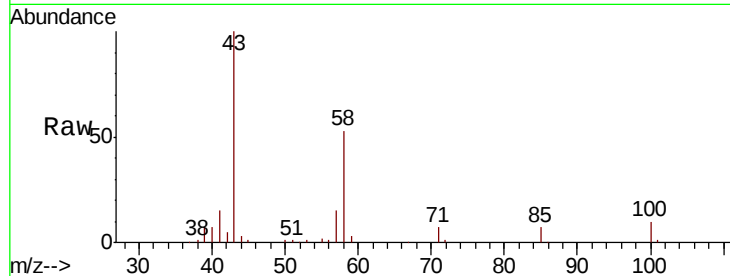




#59
2-Hexanone
Concen: 95.476 ug/l
RT: 11.55 min Scan# 1029
Delta R.T. 0.03 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

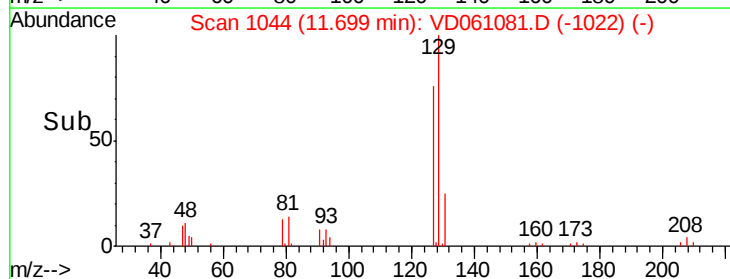
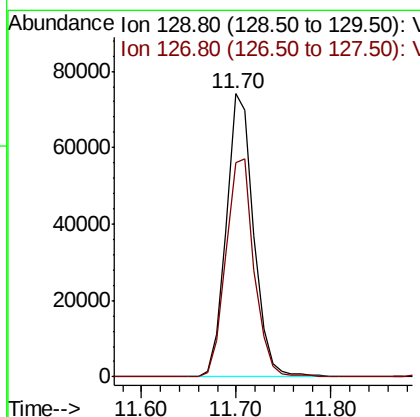
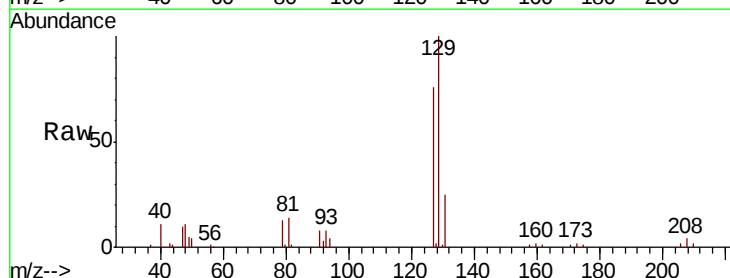
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

Tgt Ion: 43 Resp: 272639
Ion Ratio Lower Upper
43 100
58 53.1 26.5 79.5



#60
Dibromochloromethane
Concen: 19.873 ug/l
RT: 11.70 min Scan# 1044
Delta R.T. 0.02 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

Tgt Ion: 129 Resp: 148377
Ion Ratio Lower Upper
129 100
127 75.6 38.3 114.9





#61

1,2-Dibromoethane

Concen: 18.998 ug/l

RT: 11.83 min Scan# 1057

Delta R.T. 0.03 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

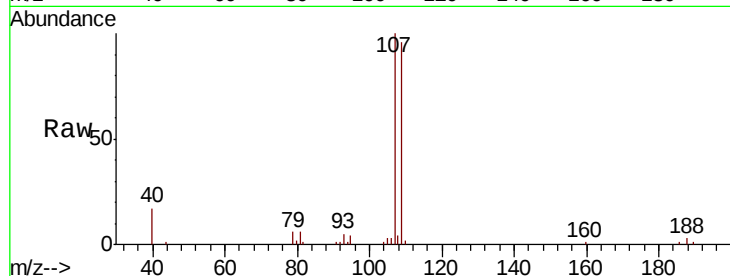
VD0315SBS01

Tgt Ion: 107 Resp: 112119

Ion Ratio Lower Upper

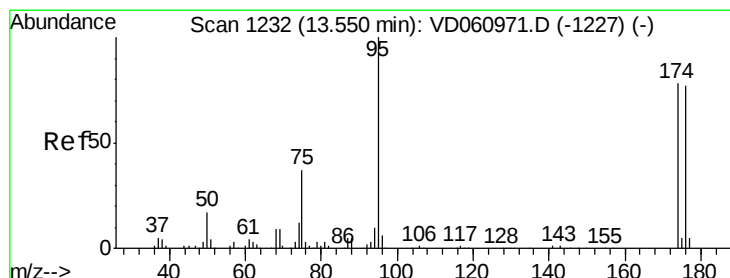
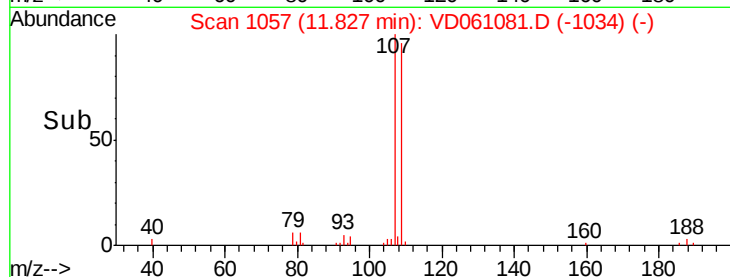
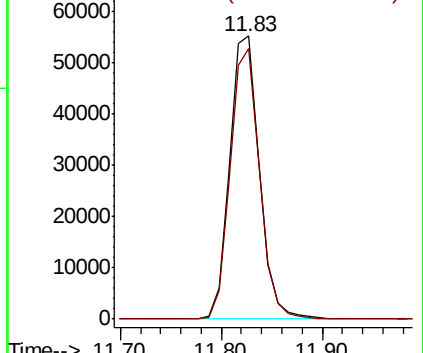
107 100

109 95.6 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: 18.998 ug/l

RT: 13.57 min Scan# 1234

Delta R.T. 0.02 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

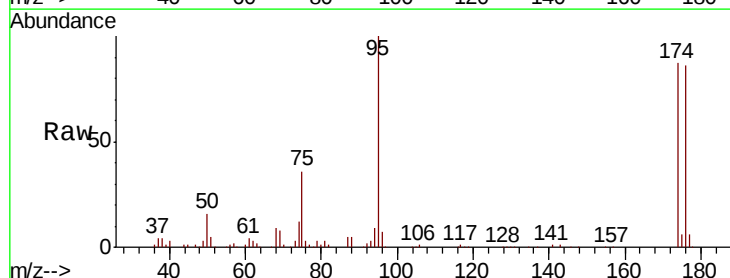
Tgt Ion: 95 Resp: 389637

Ion Ratio Lower Upper

95 100

174 86.7 0.0 155.6

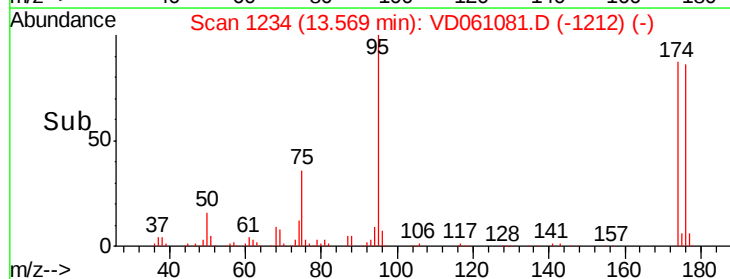
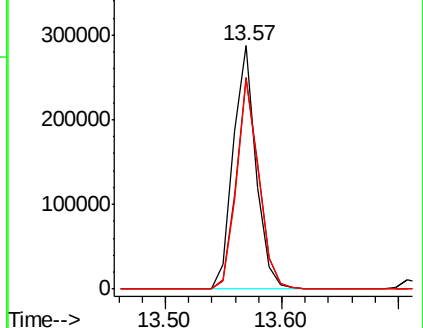
176 86.4 0.0 153.8

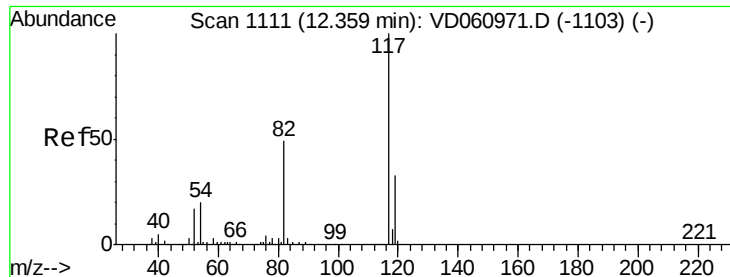


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

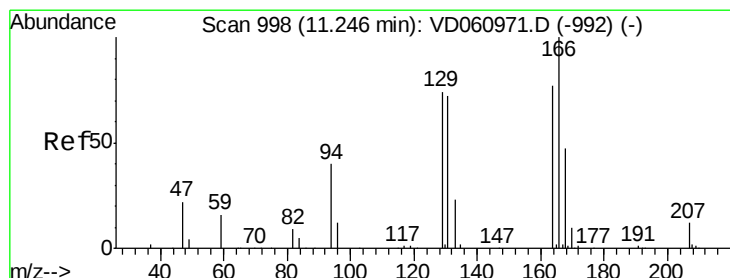
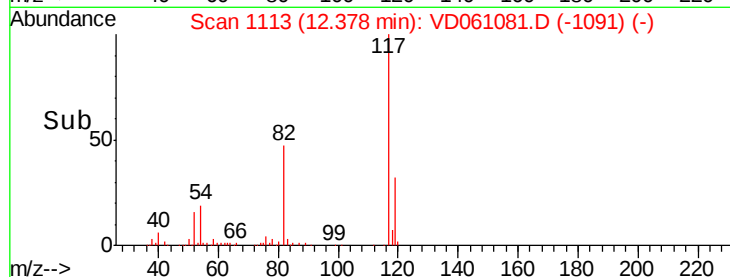
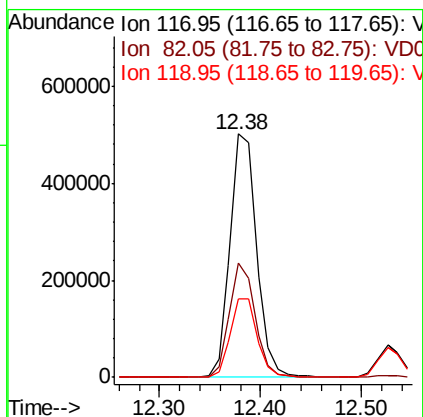
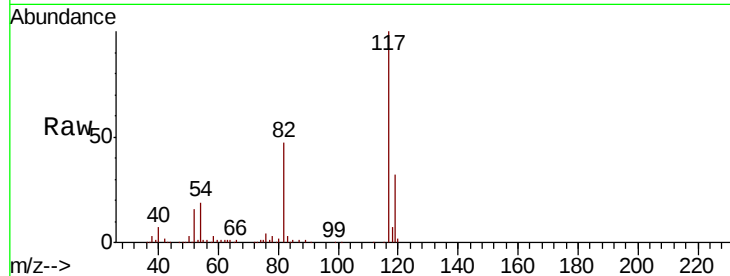




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.38 min Scan# 1113
Delta R.T. 0.02 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

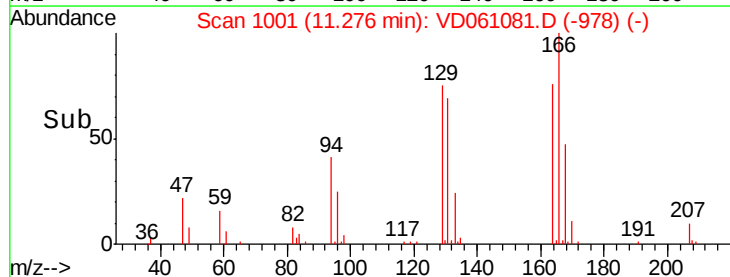
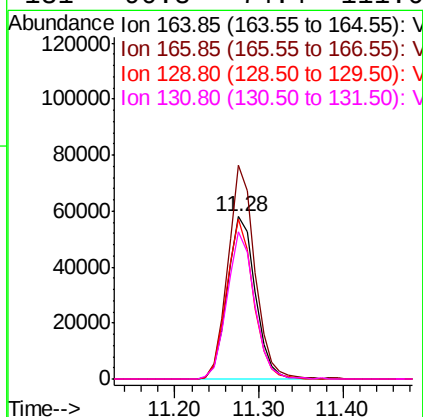
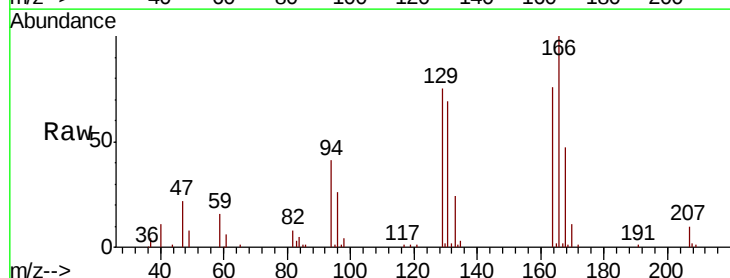
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

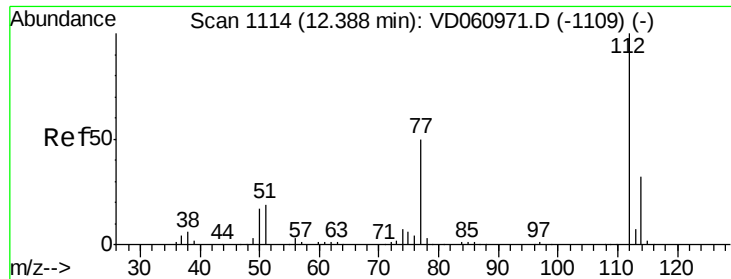
Tgt Ion:117 Resp: 919737
Ion Ratio Lower Upper
117 100
82 46.7 38.9 58.3
119 32.1 26.6 39.8



#64
Tetrachloroethene
Concen: 21.636 ug/l
RT: 11.28 min Scan# 1001
Delta R.T. 0.03 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

Tgt Ion:164 Resp: 134328
Ion Ratio Lower Upper
164 100
166 131.7 103.4 155.0
129 98.4 76.9 115.3
131 90.8 74.4 111.6

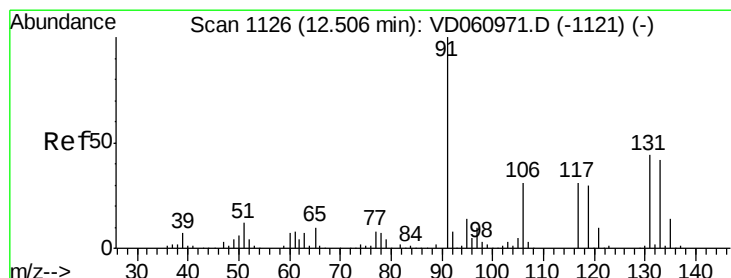
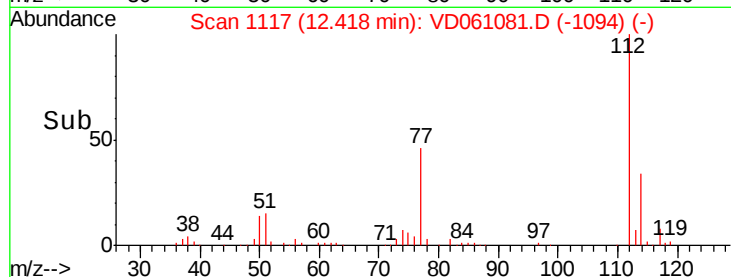
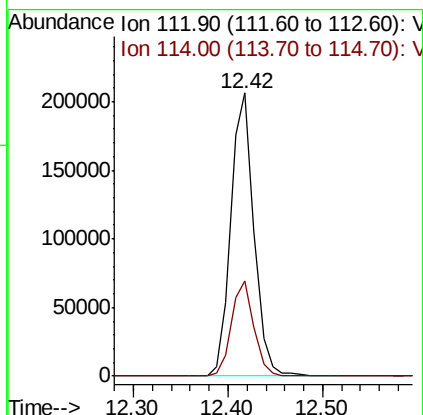
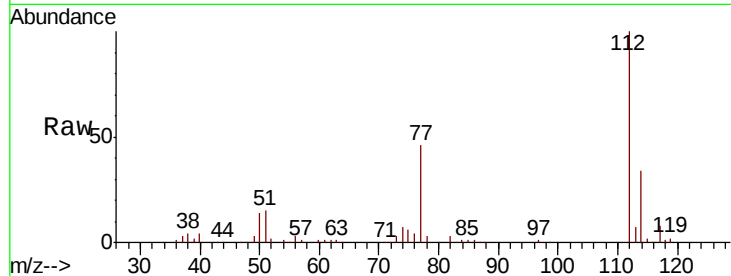




#65
Chlorobenzene
Concen: 19.336 ug/l
RT: 12.42 min Scan# 1117
Delta R.T. 0.03 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

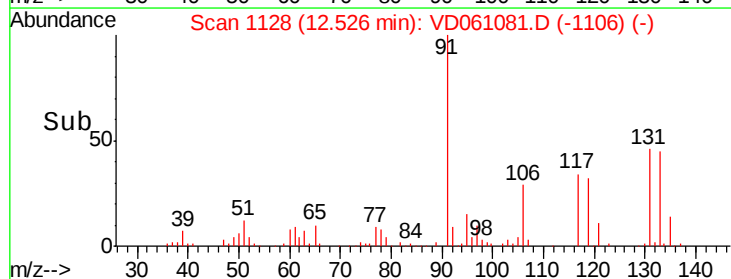
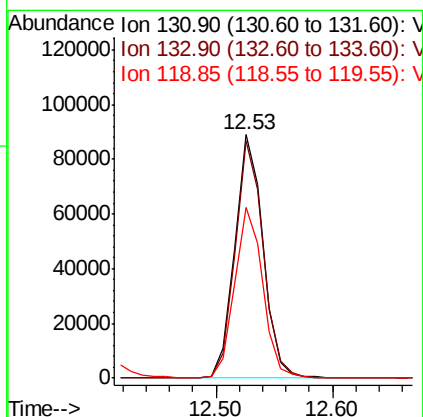
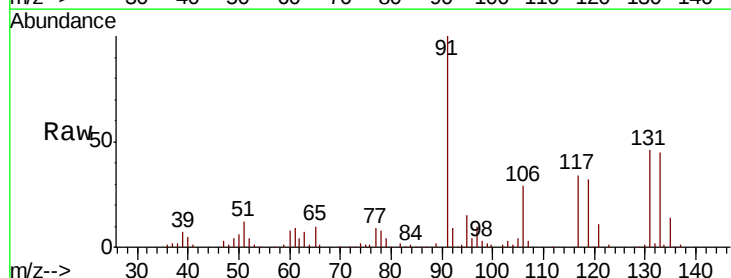
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

Tgt Ion:112 Resp: 348637
Ion Ratio Lower Upper
112 100
114 33.5 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 23.166 ug/l
RT: 12.53 min Scan# 1128
Delta R.T. 0.02 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

Tgt Ion:131 Resp: 148890
Ion Ratio Lower Upper
131 100
133 97.3 47.8 143.3
119 70.2 34.3 102.9

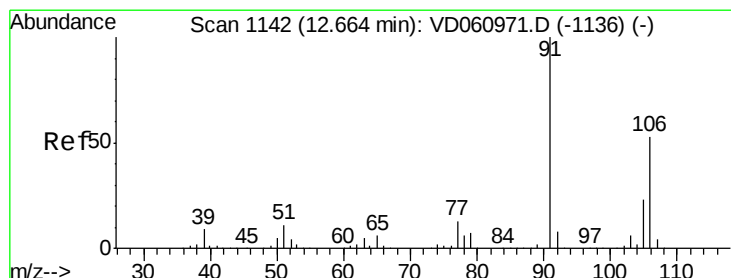
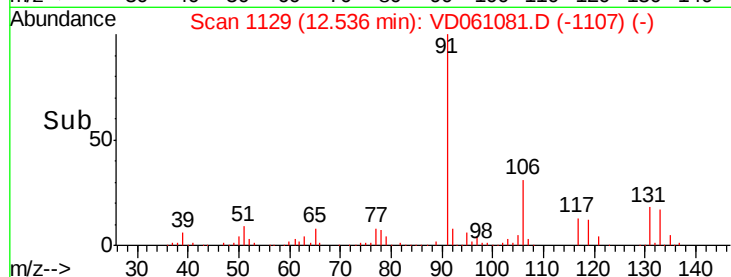
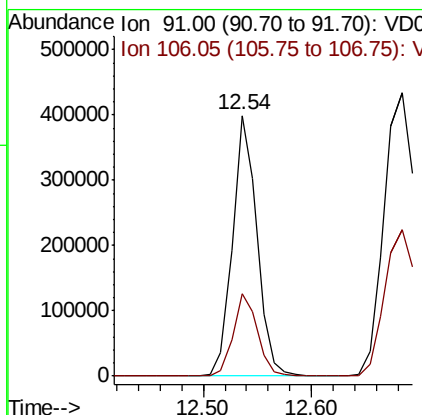
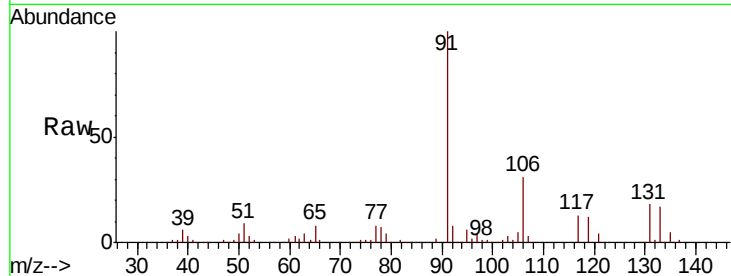




#67
Ethyl Benzene
Concen: 23.328 ug/l
RT: 12.54 min Scan# 1129
Delta R.T. 0.02 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

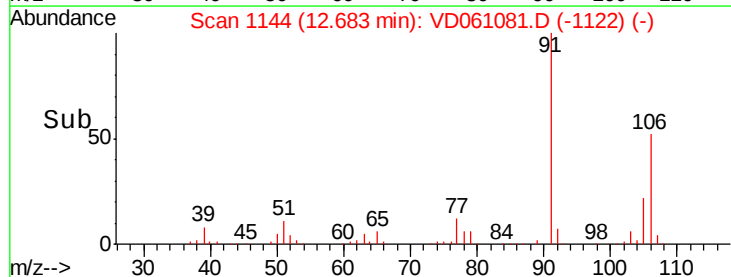
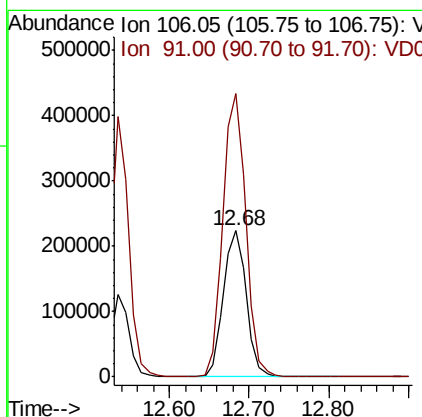
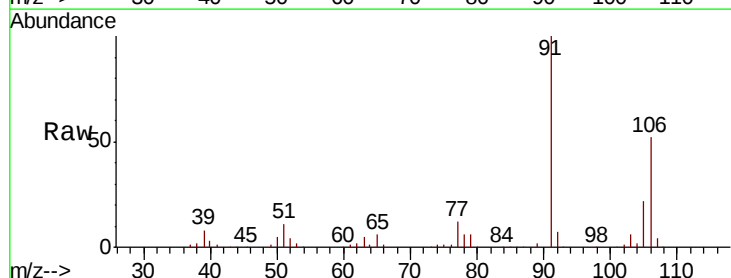
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

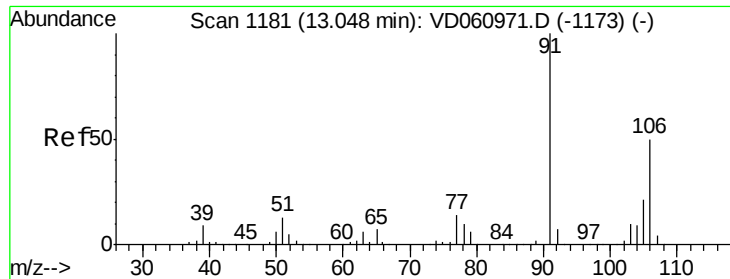
Tgt Ion: 91 Resp: 626201
Ion Ratio Lower Upper
91 100
106 31.4 25.7 38.5



#68
m/p-Xylenes
Concen: 43.245 ug/l
RT: 12.68 min Scan# 1144
Delta R.T. 0.02 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

Tgt Ion: 106 Resp: 455622
Ion Ratio Lower Upper
106 100
91 193.6 152.0 228.0

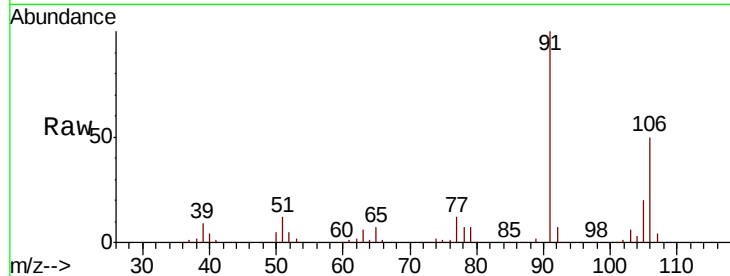




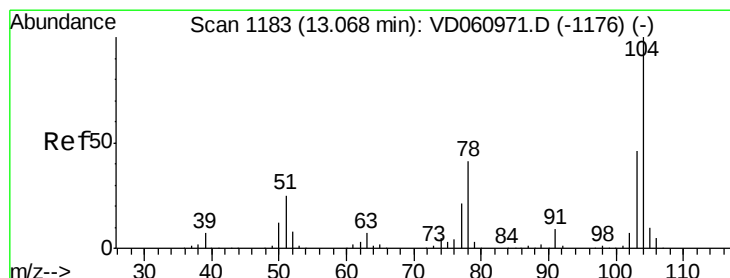
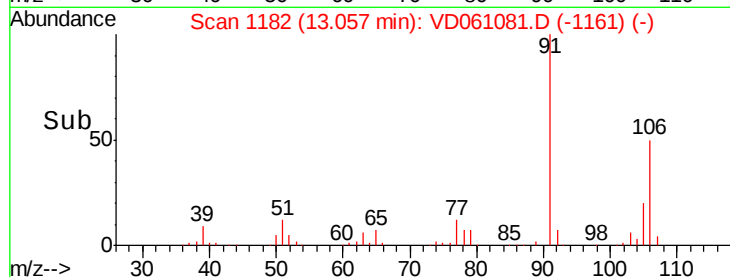
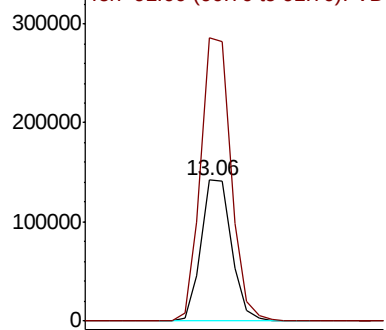
#69
o-Xylene
Concen: 22.821 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.01 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

Tgt Ion:106 Resp: 236340
Ion Ratio Lower Upper
106 100
91 201.0 99.8 299.3

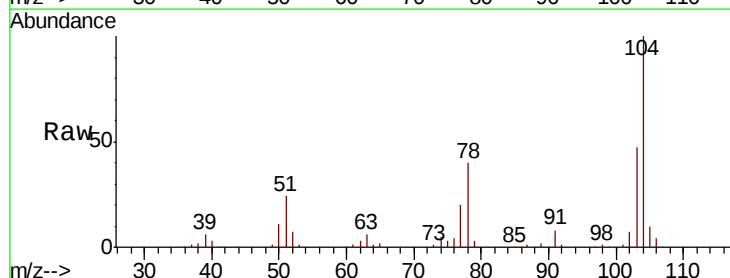


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

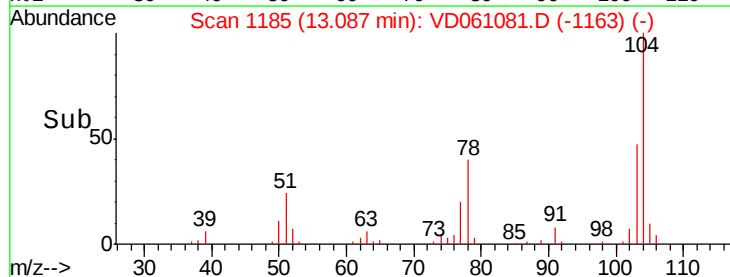
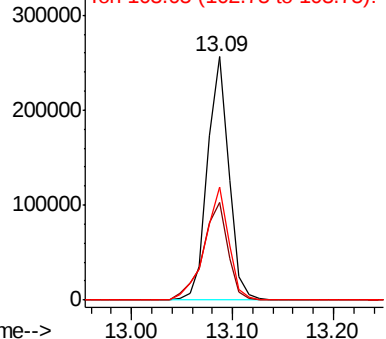


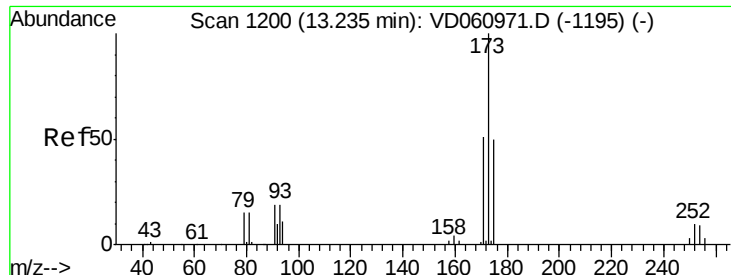
#70
Styrene
Concen: 22.082 ug/l
RT: 13.09 min Scan# 1185
Delta R.T. 0.02 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

Tgt Ion:104 Resp: 373432
Ion Ratio Lower Upper
104 100
78 39.9 33.0 49.4
103 46.5 37.1 55.7



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





#71

Bromoform

Concen: 20.158 ug/l

RT: 13.24 min Scan# 1201

Delta R.T. 0.01 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBS01

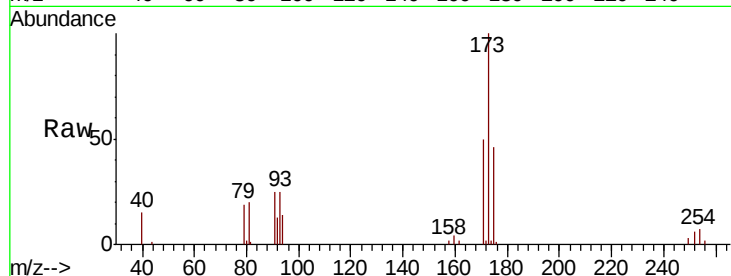
Tgt Ion:173 Resp: 83578

Ion Ratio Lower Upper

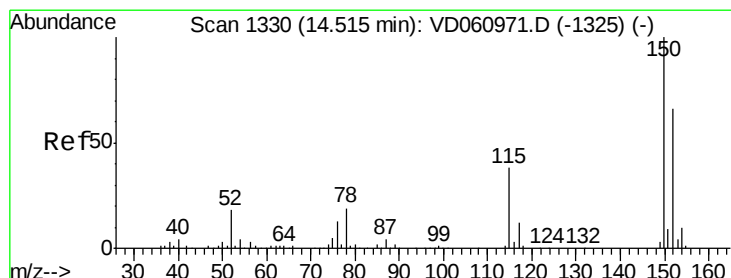
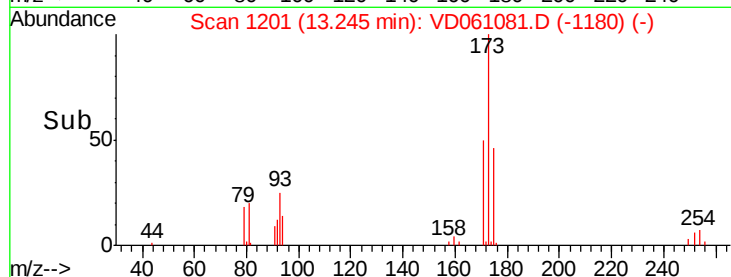
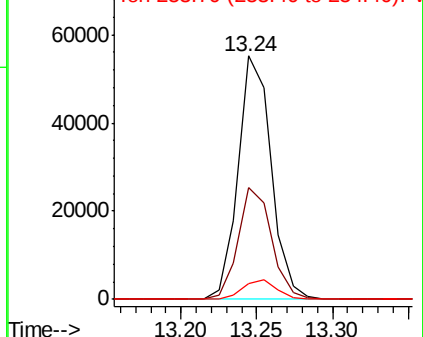
173 100

175 46.1 24.9 74.8

254 6.6 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: 14.53 min Scan# 1332

Delta R.T. 0.02 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

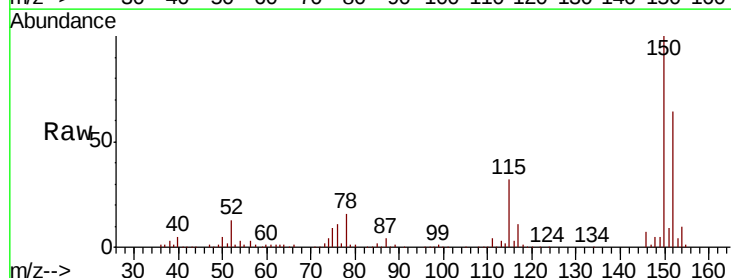
Tgt Ion:152 Resp: 417858

Ion Ratio Lower Upper

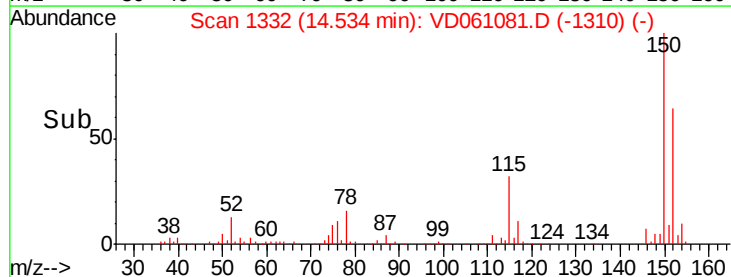
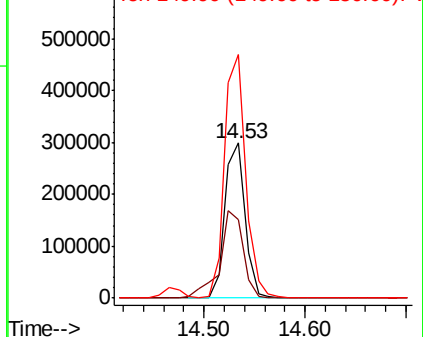
152 100

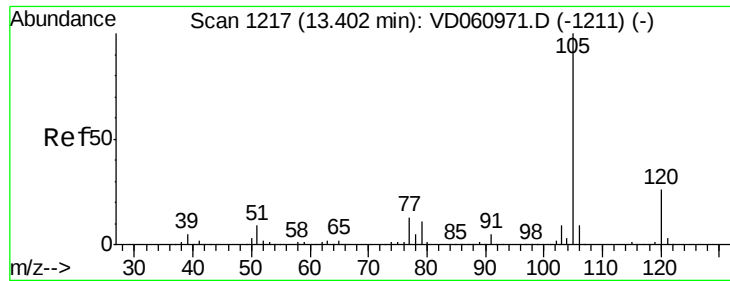
115 51.0 28.6 85.9

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: 18.995 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

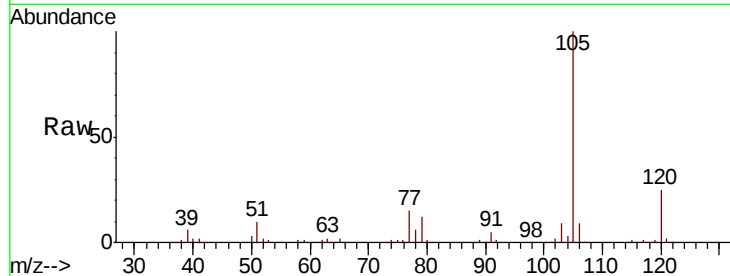
VD0315SBS01

Tgt Ion: 105 Resp: 572010

Ion Ratio Lower Upper

105 100

120 24.5 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.41

400000

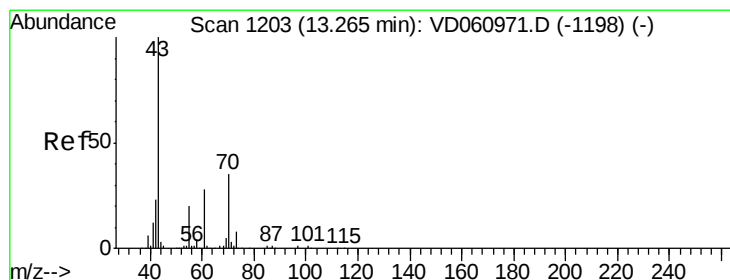
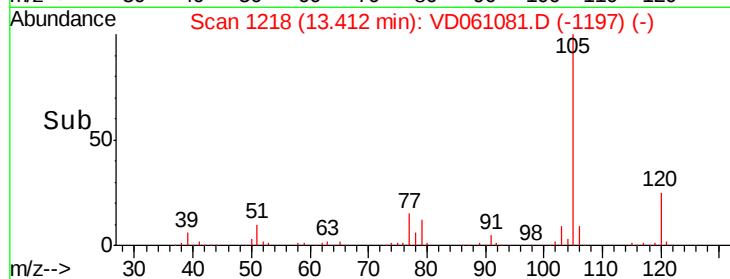
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#74

N-ethyl acetate

Concen: 17.620 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Tgt Ion: 43 Resp: 149408

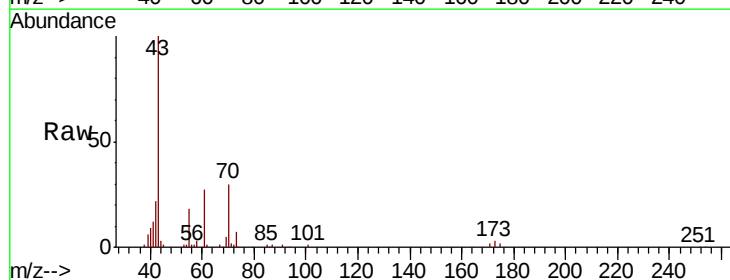
Ion Ratio Lower Upper

43 100

70 30.3 27.7 41.5

55 18.2 16.2 24.2

61 27.0 22.3 33.5



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

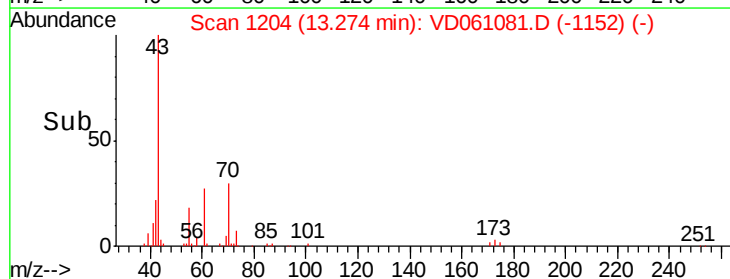
150000

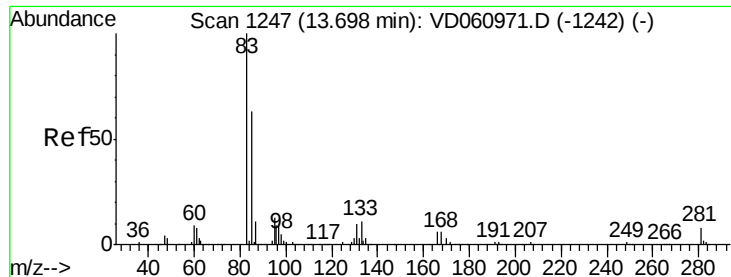
100000

50000

0

Time--> 13.20 13.30





#75

1,1,2,2-Tetrachloroethane

Concen: 18.337 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBS01

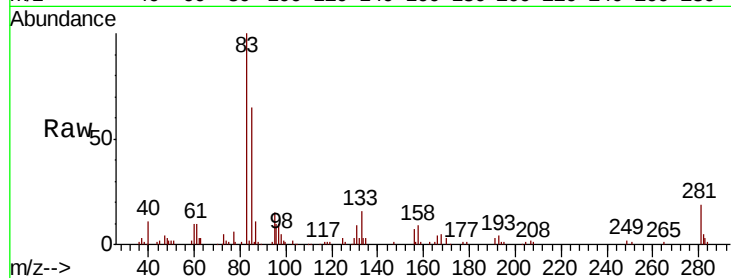
Tgt Ion: 83 Resp: 107738

Ion Ratio Lower Upper

83 100

131 8.6 5.1 15.3

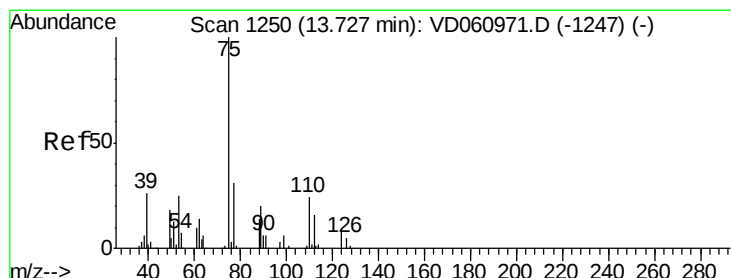
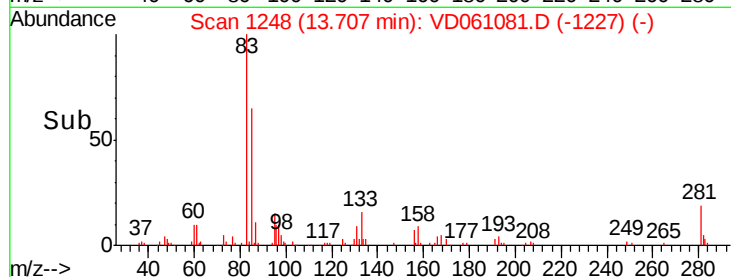
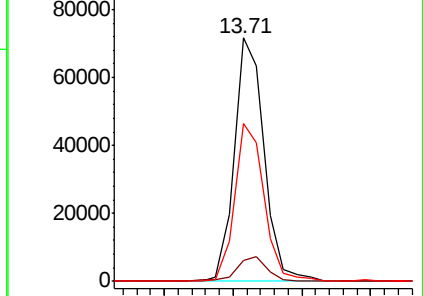
85 64.9 31.5 94.5



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: 17.891 ug/l

RT: 13.75 min Scan# 1252

Delta R.T. 0.02 min

Lab File: VD061081.D

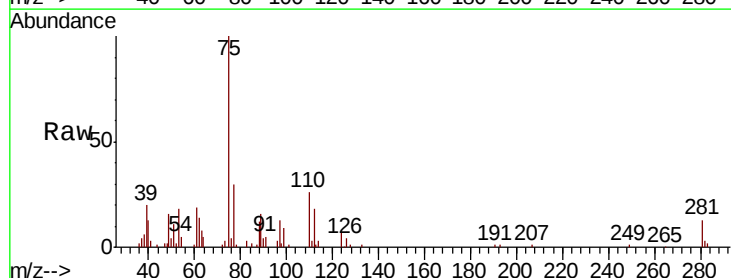
Acq: 15 Mar 2019 12:30

Tgt Ion: 75 Resp: 107557

Ion Ratio Lower Upper

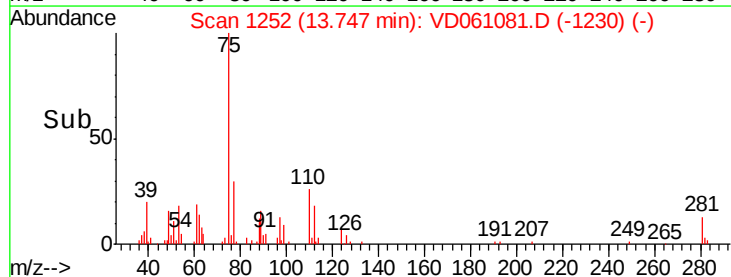
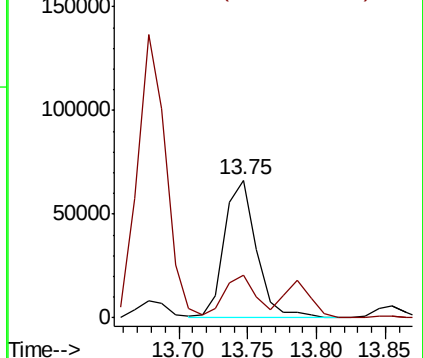
75 100

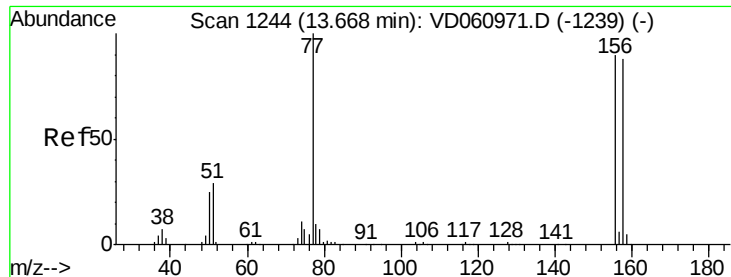
77 30.5 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 20.308 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. 0.02 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBS01

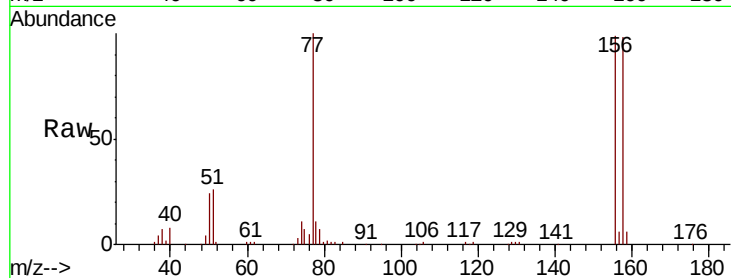
Tgt Ion:156 Resp: 156113

Ion Ratio Lower Upper

156 100

77 100.8 55.5 166.7

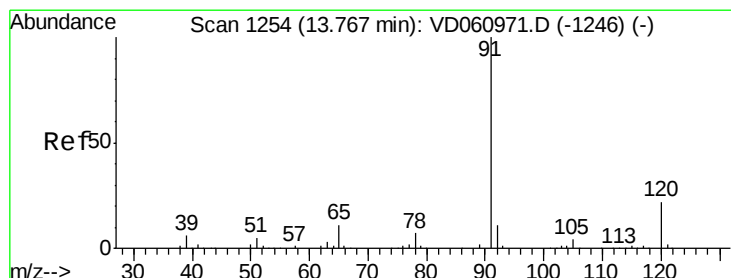
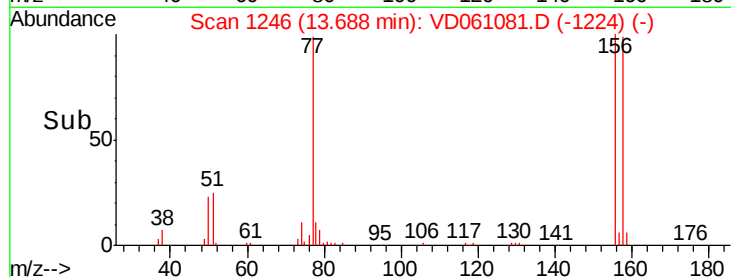
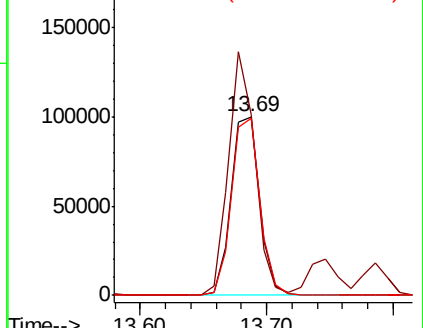
158 98.9 49.0 147.0



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 19.739 ug/l

RT: 13.79 min Scan# 1256

Delta R.T. 0.02 min

Lab File: VD061081.D

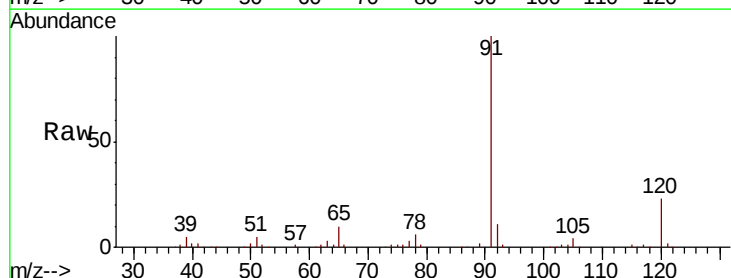
Acq: 15 Mar 2019 12:30

Tgt Ion: 91 Resp: 695889

Ion Ratio Lower Upper

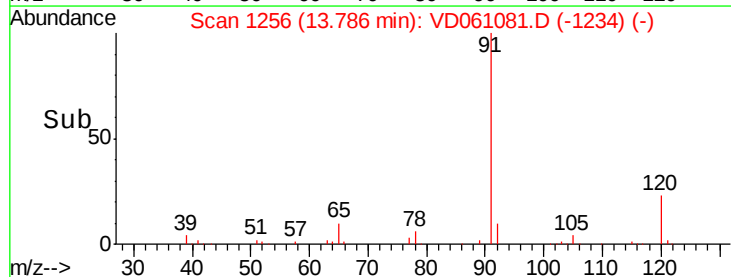
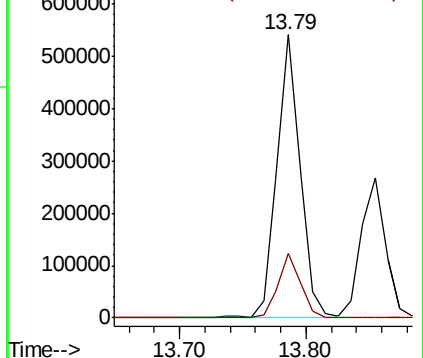
91 100

120 22.6 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 18.429 ug/l

RT: 13.85 min Scan# 1263

Delta R.T. 0.02 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

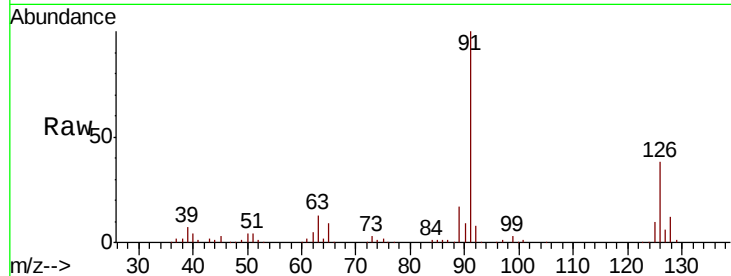
VD0315SBS01

Tgt Ion: 91 Resp: 357686

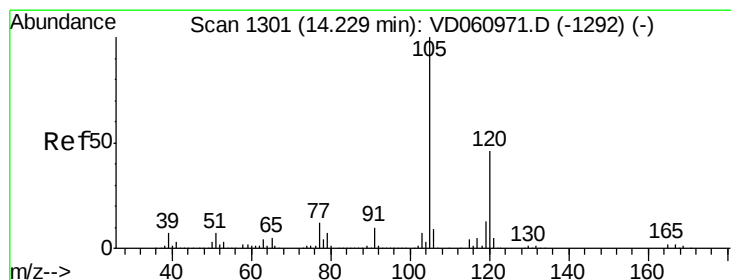
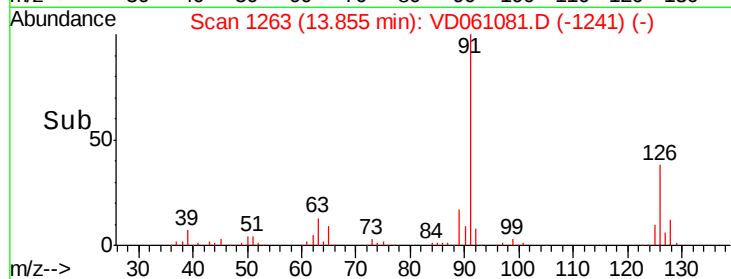
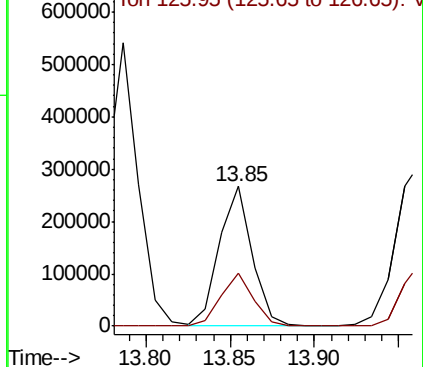
Ion Ratio Lower Upper

91 100

126 37.8 18.6 55.6



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 21.518 ug/l

RT: 14.25 min Scan# 1303

Delta R.T. 0.02 min

Lab File: VD061081.D

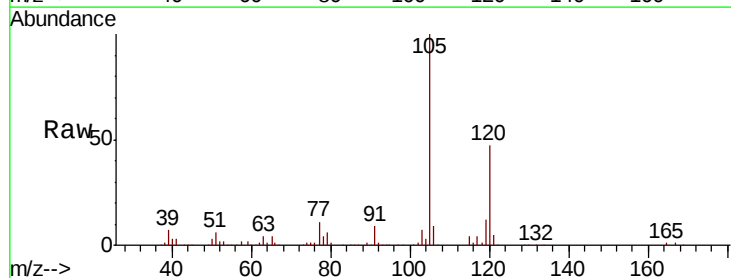
Acq: 15 Mar 2019 12:30

Tgt Ion: 105 Resp: 491925

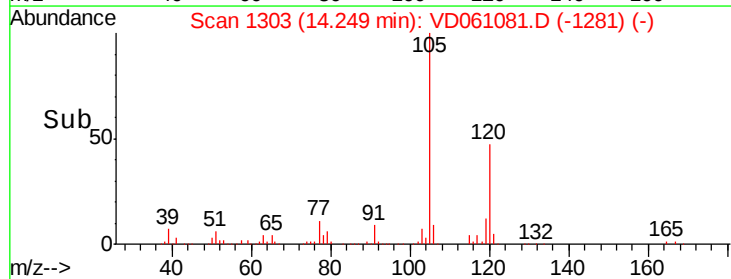
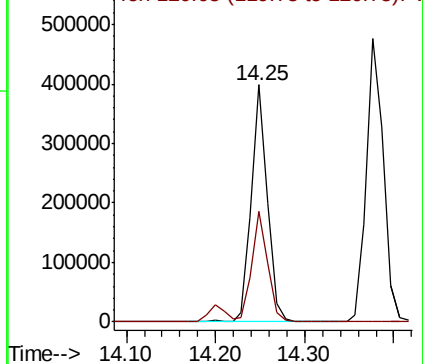
Ion Ratio Lower Upper

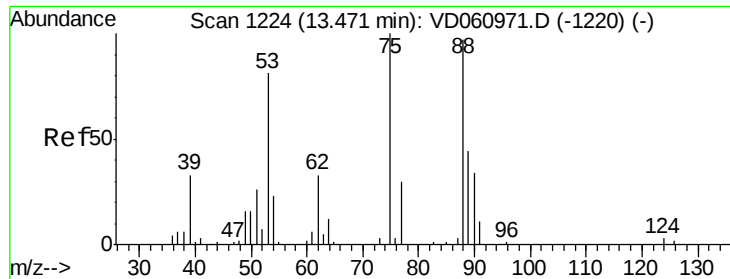
105 100

120 46.7 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 18.279 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

VD0315SBS01

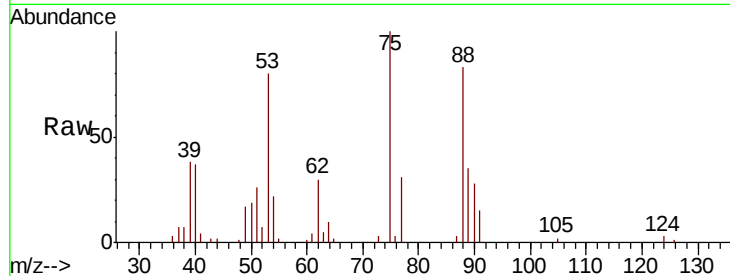
Tgt Ion: 75 Resp: 32397

Ion Ratio Lower Upper

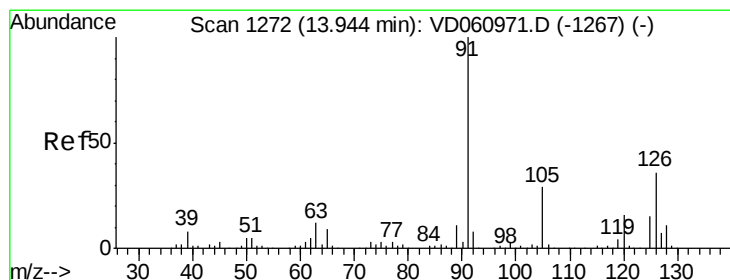
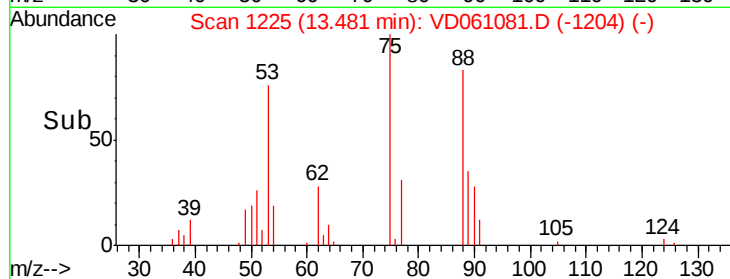
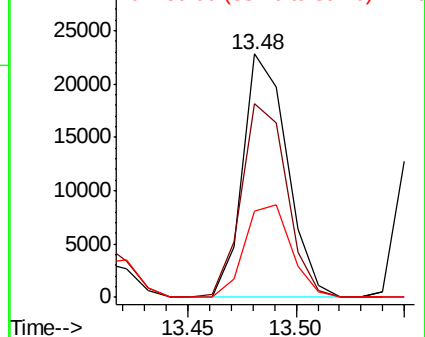
75 100

53 79.5 64.4 96.6

89 35.3 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: 20.421 ug/l

RT: 13.96 min Scan# 1274

Delta R.T. 0.02 min

Lab File: VD061081.D

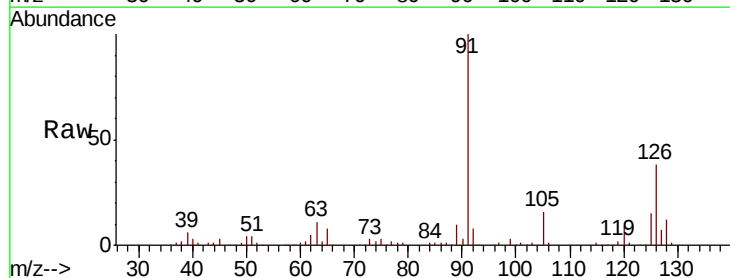
Acq: 15 Mar 2019 12:30

Tgt Ion: 91 Resp: 468567

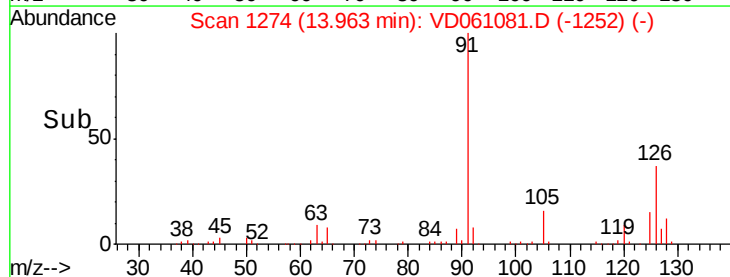
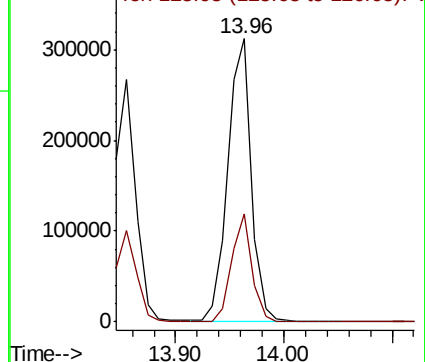
Ion Ratio Lower Upper

91 100

126 38.0 18.0 54.0



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

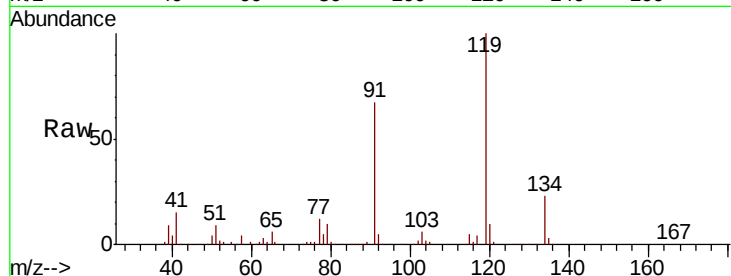




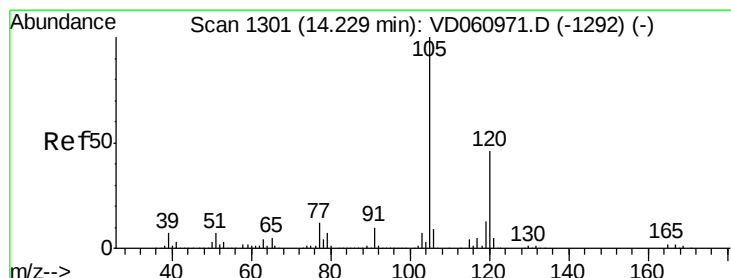
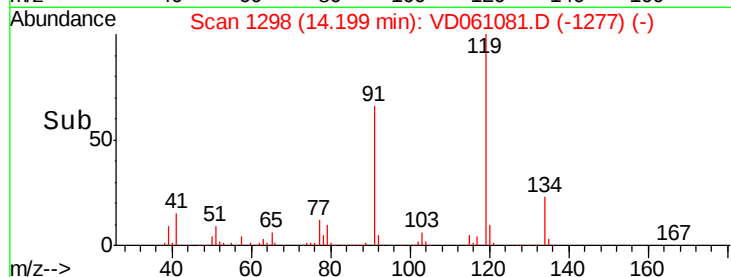
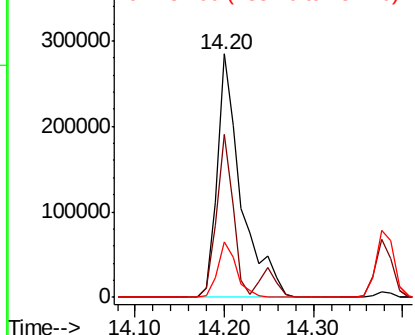
#83
tert-Butylbenzene
Concen: 21.337 ug/l
RT: 14.20 min Scan# 1298
Delta R.T. 0.01 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

Tgt Ion:119 Resp: 533826
Ion Ratio Lower Upper
119 100
91 67.0 30.1 90.3
134 23.0 11.6 34.7

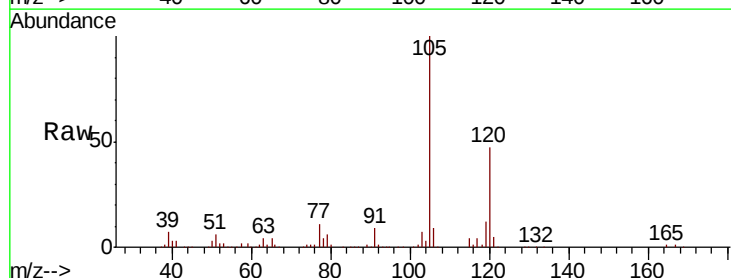


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

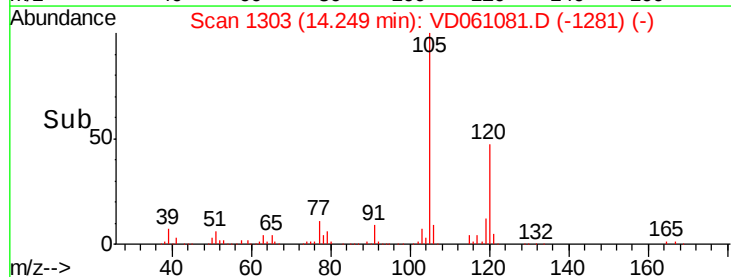
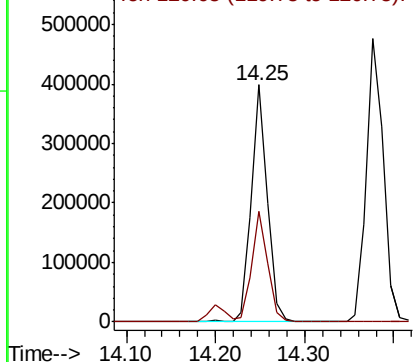


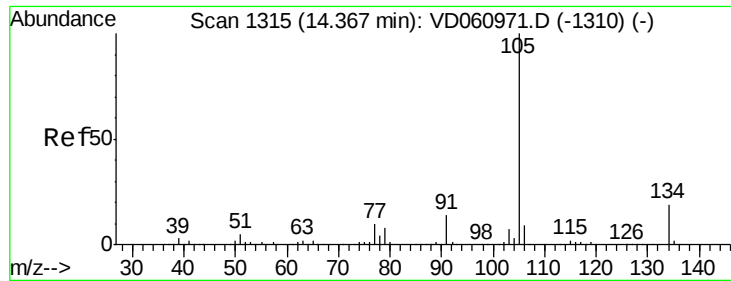
#84
1,2,4-Trimethylbenzene
Concen: 21.518 ug/l
RT: 14.25 min Scan# 1303
Delta R.T. 0.02 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

Tgt Ion:105 Resp: 491925
Ion Ratio Lower Upper
105 100
120 46.7 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: 20.286 ug/l

RT: 14.38 min Scan# 1316

Delta R.T. 0.01 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

Instrument :

MSVOA_D

ClientSampleId :

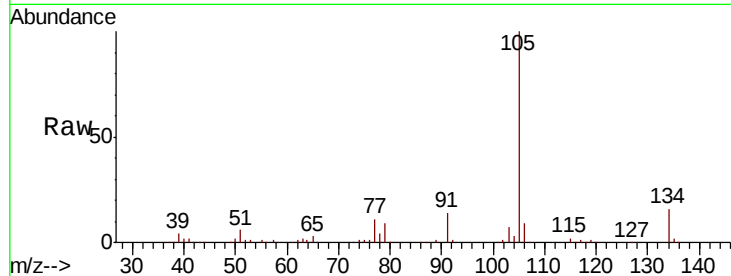
VD0315SBS01

Tgt Ion:105 Resp: 619619

Ion Ratio Lower Upper

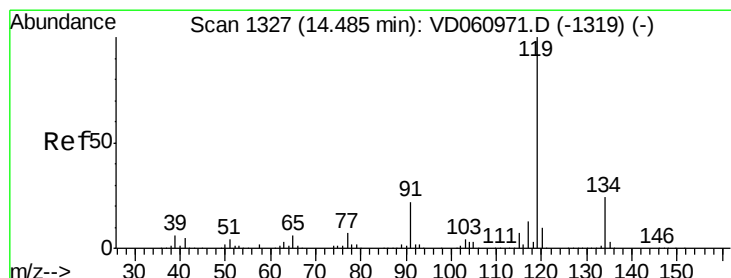
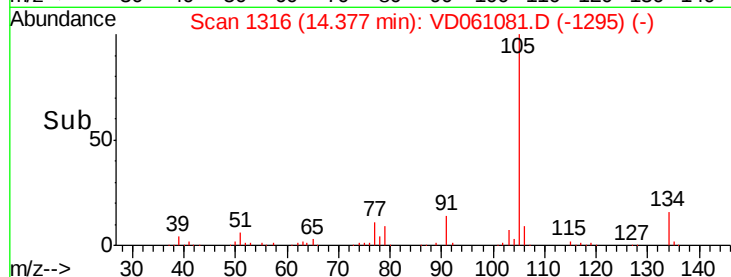
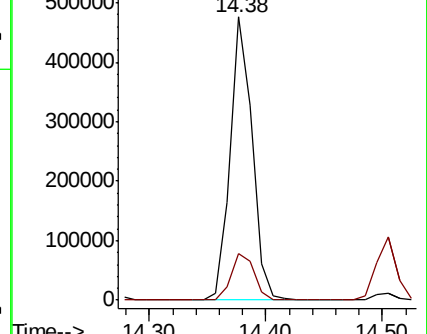
105 100

134 16.5 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: 21.104 ug/l

RT: 14.50 min Scan# 1329

Delta R.T. 0.02 min

Lab File: VD061081.D

Acq: 15 Mar 2019 12:30

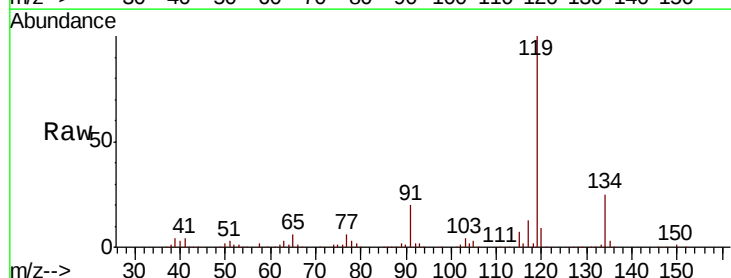
Tgt Ion:119 Resp: 526885

Ion Ratio Lower Upper

119 100

134 24.6 12.0 36.1

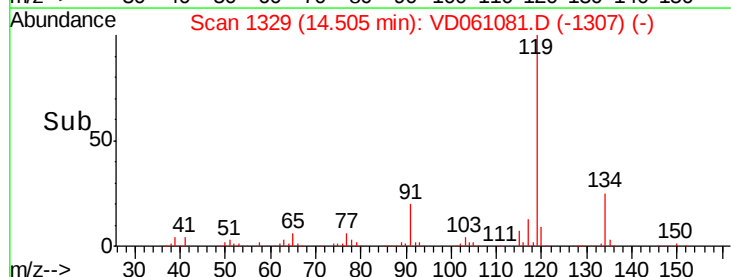
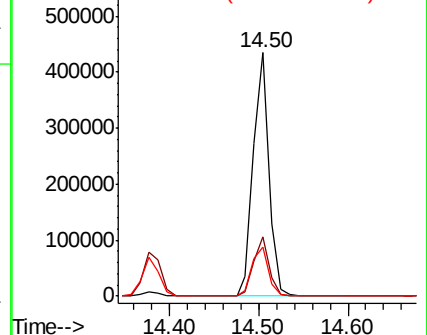
91 20.4 11.2 33.6

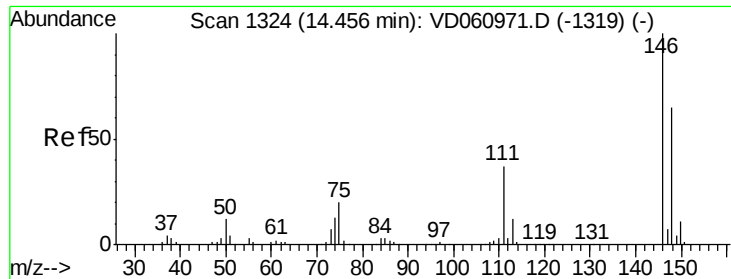


Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

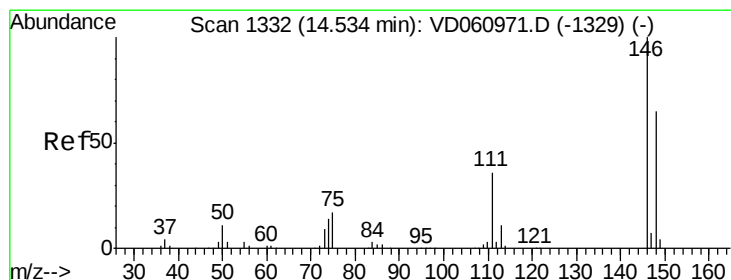
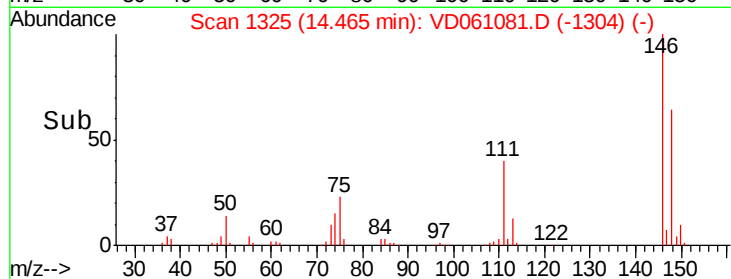
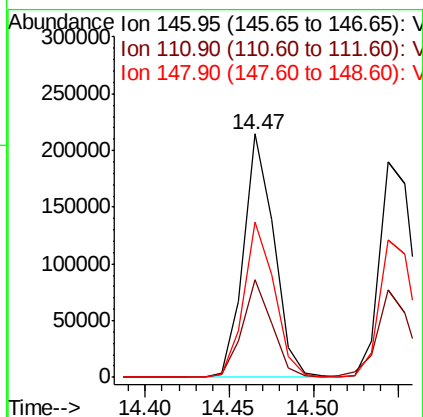
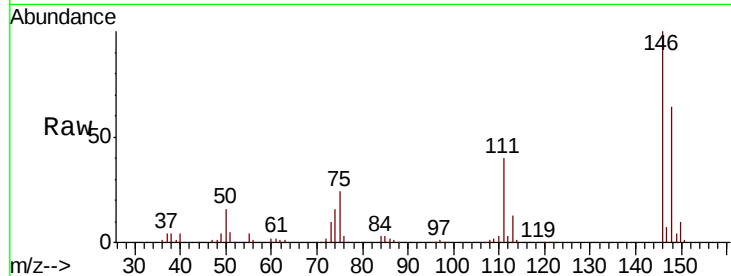




#87
 1,3-Dichlorobenzene
 Concen: 19.680 ug/l
 RT: 14.47 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: VD061081.D
 Acq: 15 Mar 2019 12:30

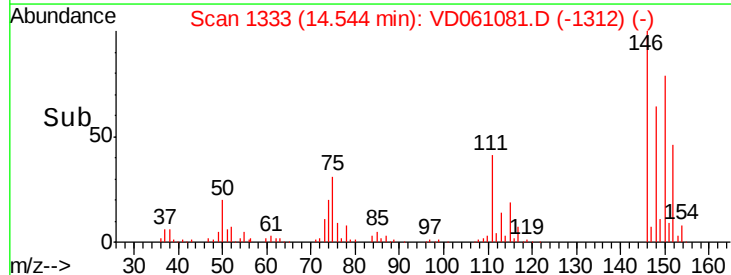
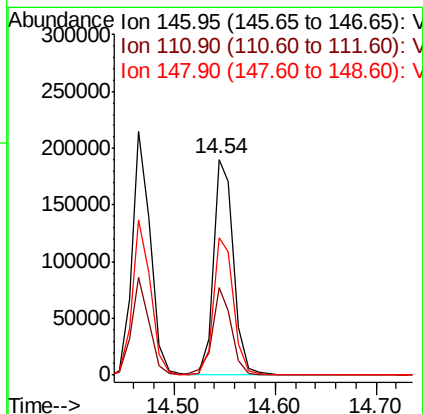
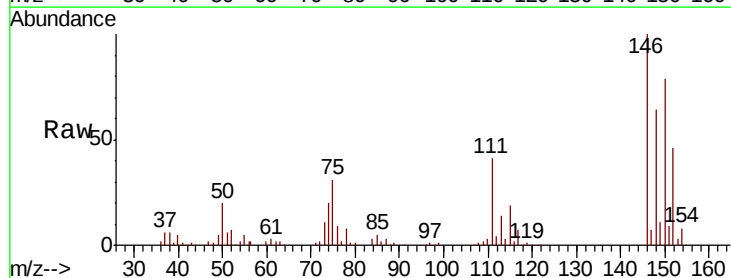
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS01

Tgt Ion:146 Resp: 270148
 Ion Ratio Lower Upper
 146 100
 111 40.3 18.4 55.4
 148 63.8 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 19.650 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD061081.D
 Acq: 15 Mar 2019 12:30

Tgt Ion:146 Resp: 265054
 Ion Ratio Lower Upper
 146 100
 111 40.6 18.4 55.2
 148 63.8 32.5 97.5

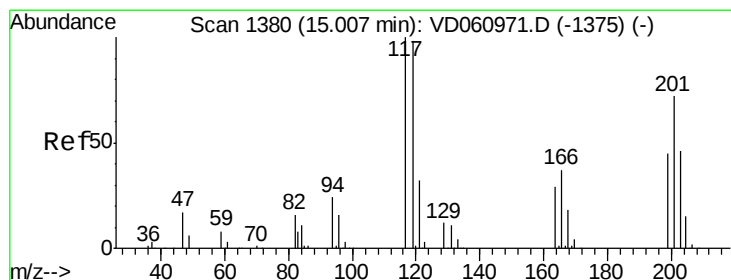
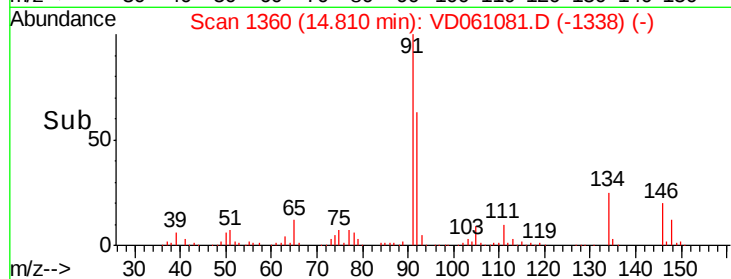
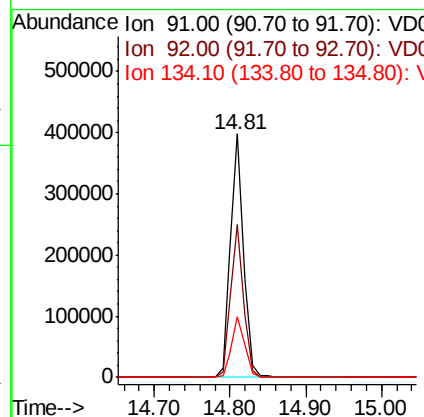
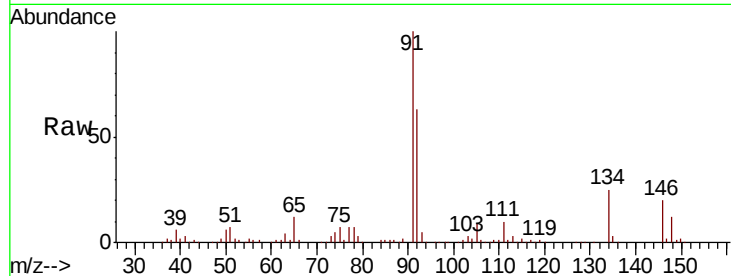




#89
n-Butylbenzene
Concen: 19.863 ug/l
RT: 14.81 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

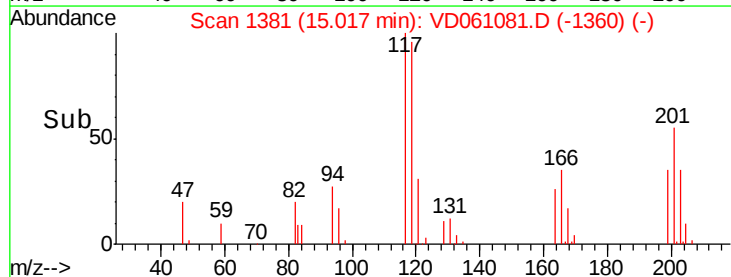
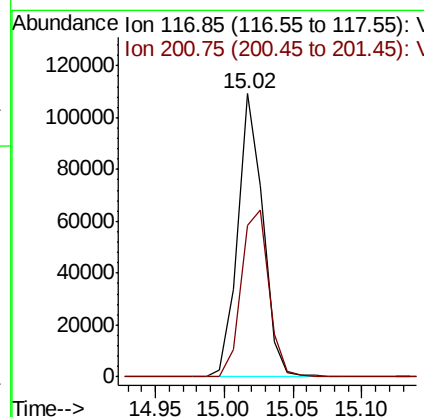
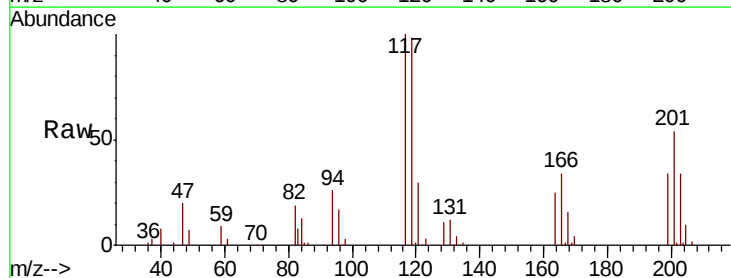
Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

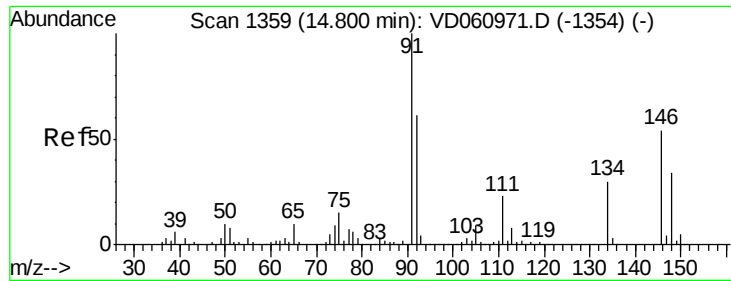
Tgt Ion: 91 Resp: 476241
Ion Ratio Lower Upper
91 100
92 62.9 30.6 91.8
134 24.8 11.0 33.0



#90
Hexachloroethane
Concen: 19.705 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

Tgt Ion: 117 Resp: 138915
Ion Ratio Lower Upper
117 100
201 53.6 36.2 108.6

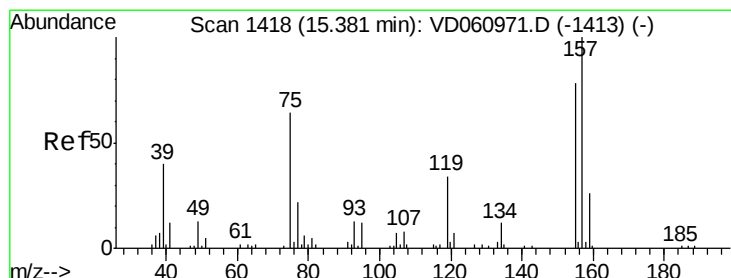
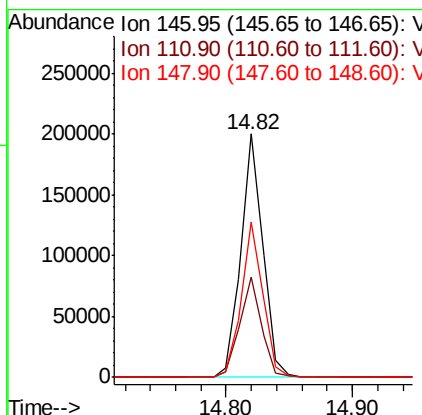
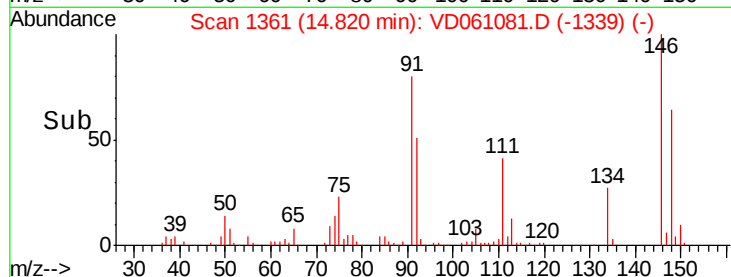
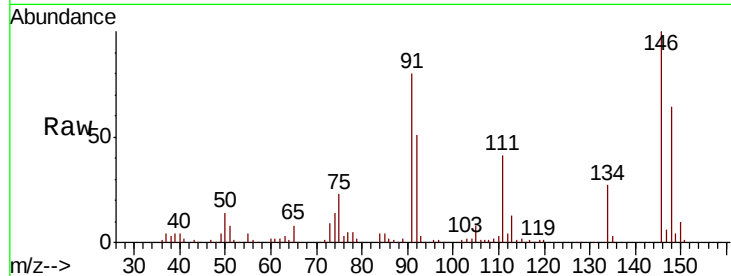




#91
 1,2-Dichlorobenzene
 Concen: 21.034 ug/l
 RT: 14.82 min Scan# 1361
 Delta R.T. 0.02 min
 Lab File: VD061081.D
 Acq: 15 Mar 2019 12:30

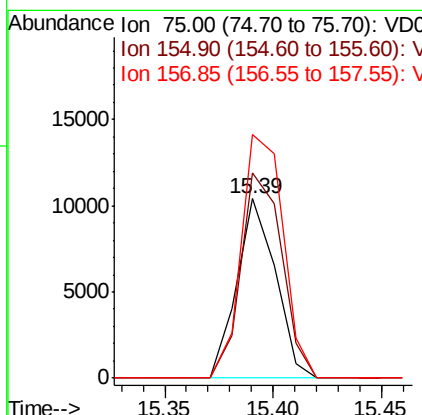
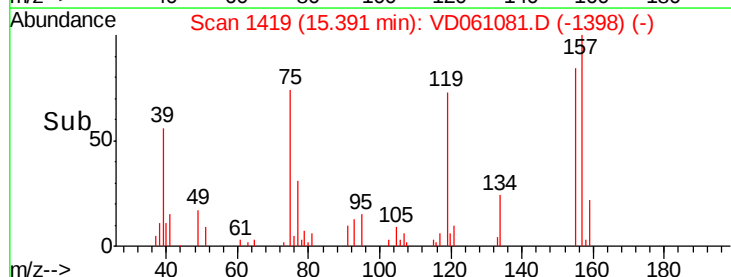
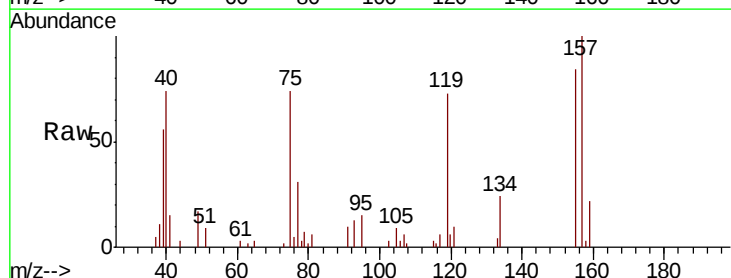
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS01

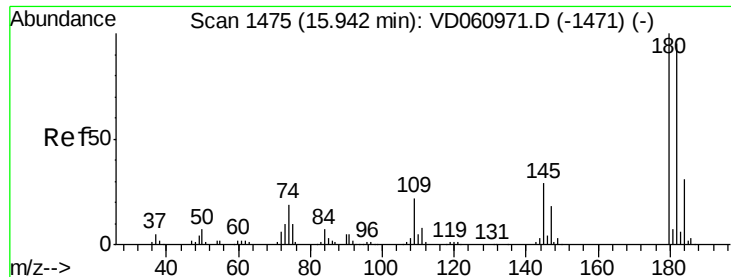
Tgt Ion: 146 Resp: 240703
 Ion Ratio Lower Upper
 146 100
 111 41.1 21.5 64.5
 148 63.6 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.145 ug/l
 RT: 15.39 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VD061081.D
 Acq: 15 Mar 2019 12:30

Tgt Ion: 75 Resp: 12847
 Ion Ratio Lower Upper
 75 100
 155 114.3 61.2 183.5
 157 136.0 78.3 234.8

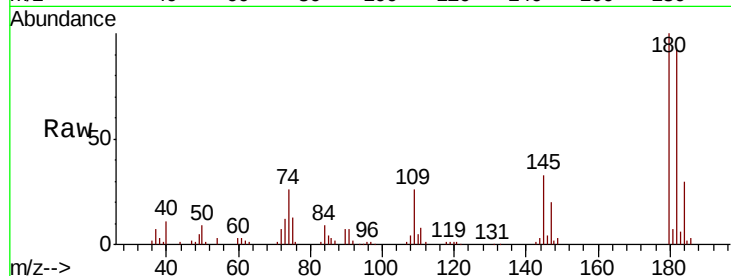




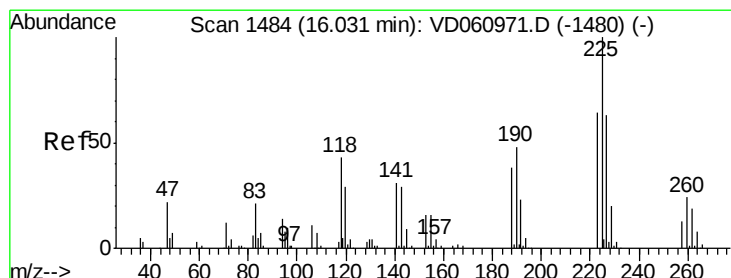
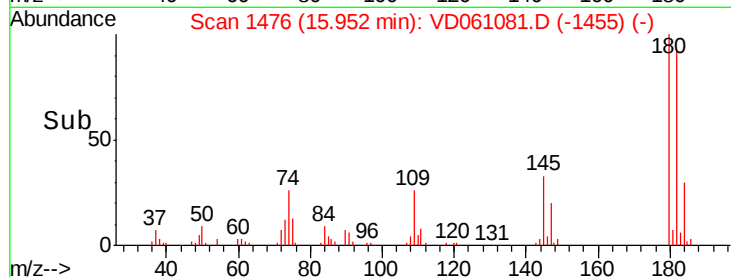
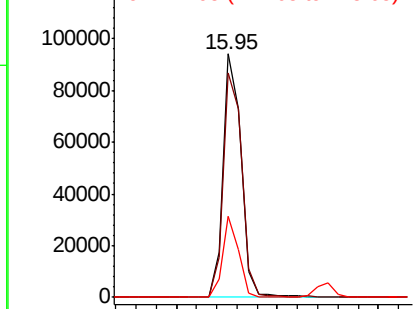
#93
 1,2,4-Trichlorobenzene
 Concen: 22.169 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD061081.D
 Acq: 15 Mar 2019 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0315SBS01

Tgt Ion:180 Resp: 117688
 Ion Ratio Lower Upper
 180 100
 182 92.4 47.3 142.0
 145 33.1 14.4 43.0

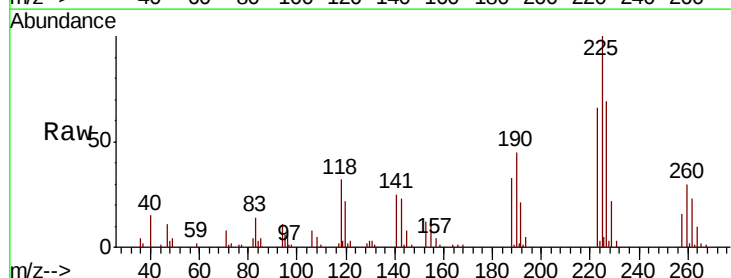


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

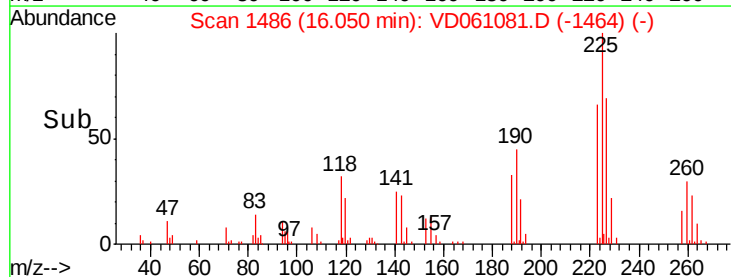
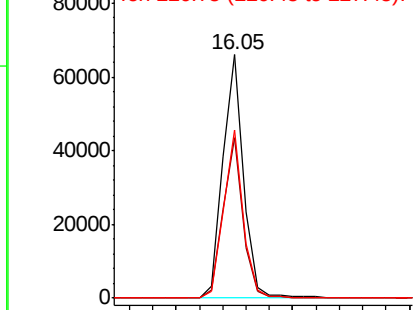


#94
 Hexachlorobutadiene
 Concen: 20.025 ug/l
 RT: 16.05 min Scan# 1486
 Delta R.T. 0.02 min
 Lab File: VD061081.D
 Acq: 15 Mar 2019 12:30

Tgt Ion:225 Resp: 80406
 Ion Ratio Lower Upper
 225 100
 223 66.0 31.8 95.3
 227 69.1 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

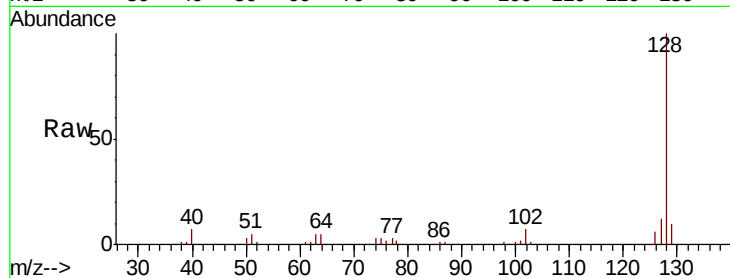




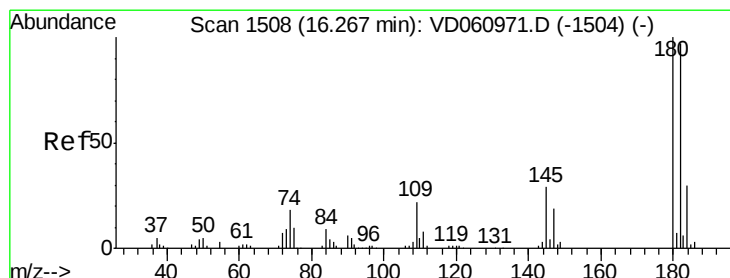
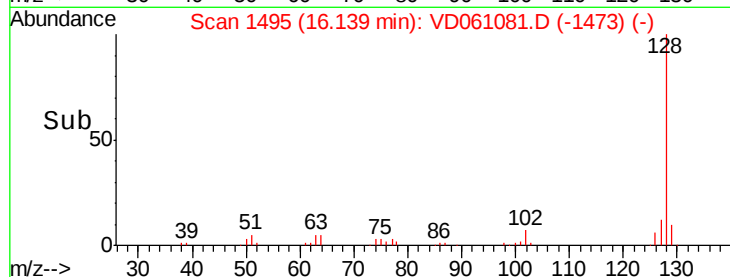
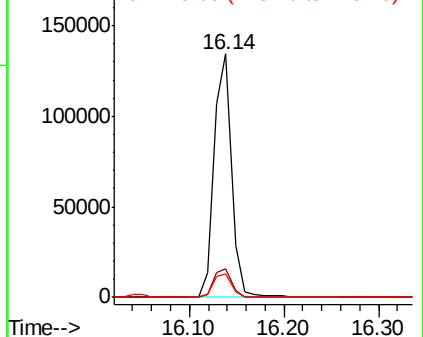
#95
Naphthalene
Concen: 21.392 ug/l
RT: 16.14 min Scan# 1495
Delta R.T. 0.02 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

Instrument :
MSVOA_D
ClientSampleId :
VD0315SBS01

Tgt Ion:128 Resp: 172573
Ion Ratio Lower Upper
128 100
127 11.7 9.8 14.8
129 9.6 8.5 12.7

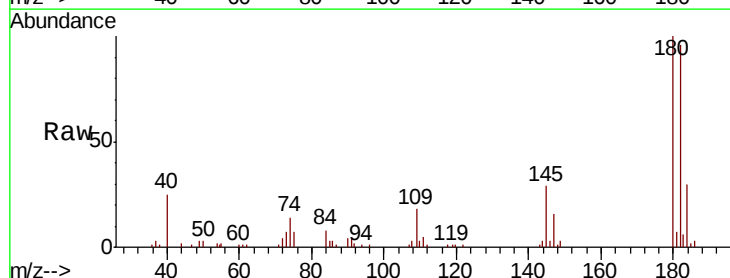


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 23.059 ug/l
RT: 16.29 min Scan# 1510
Delta R.T. 0.02 min
Lab File: VD061081.D
Acq: 15 Mar 2019 12:30

Tgt Ion:180 Resp: 60460
Ion Ratio Lower Upper
180 100
182 95.8 48.6 145.8
145 28.9 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

