

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD031919\
 Data File : VD061186.D
 Acq On : 19 Mar 2019 15:44
 Operator : VA/AP
 Sample : VD0319SBS01
 Misc : 5.00µl/5ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0319SBS01

Quant Time: Mar 19 16:19:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 08 02:35:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.03	168	660842	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.20	114	1133954	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	921977	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	413715	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	280900	51.07	ug/l	0.00
Spiked Amount			Recovery	=	102.14%	
35) Dibromofluoromethane	6.91	113	448125	53.25	ug/l	0.00
Spiked Amount			Recovery	=	106.50%	
50) Toluene-d8	10.40	98	1097013	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	
62) 4-Bromofluorobenzene	13.55	95	378675	46.18	ug/l	0.00
Spiked Amount			Recovery	=	92.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	130307	19.906	ug/l	100
3) Chloromethane	1.76	50	118392	21.711	ug/l	89
4) Vinyl Chloride	1.85	62	113345	22.495	ug/l	100
5) Bromomethane	2.15	94	20083	19.718	ug/l	85
6) Chloroethane	2.26	64	33337	22.104	ug/l	94
7) Trichlorofluoromethane	2.52	101	155748	21.517	ug/l	94
8) Diethyl Ether	2.87	74	55595	23.282	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.14	101	163643	20.221	ug/l	97
10) Methyl Iodide	3.30	142	192789	19.217	ug/l	97
11) Tert butyl alcohol	4.05	59	36369	103.856	ug/l	100
12) 1,1-Dichloroethene	3.12	96	141630	21.351	ug/l	92
13) Acrolein	3.04	56	34047	67.195	ug/l	95
14) Allyl chloride	3.62	41	217011	20.447	ug/l	97
15) Acrylonitrile	4.19	53	138844	112.181	ug/l	99
16) Acetone	3.21	43	146606	93.202	ug/l	96
17) Carbon Disulfide	3.37	76	444972	19.885	ug/l	98
18) Methyl Acetate	3.64	43	63651	20.562	ug/l #	87
19) Methyl tert-butyl Ether	4.23	73	273746	23.547	ug/l	98
20) Methylene Chloride	3.81	84	177634	22.171	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	156805	21.840	ug/l	94
22) Diisopropyl ether	5.10	45	459083	20.836	ug/l	95
23) Vinyl Acetate	5.04	43	1265078	111.851	ug/l	100
24) 1,1-Dichloroethane	4.98	63	258532	21.416	ug/l	99
25) 2-Butanone	6.06	43	184821	103.547	ug/l	99
26) 2,2-Dichloropropane	6.02	77	197327	20.939	ug/l	97
27) cis-1,2-Dichloroethene	6.03	96	169608	22.265	ug/l	97
28) Bromochloromethane	6.42	49	88200	17.259	ug/l	94
29) Tetrahydrofuran	6.44	42	98117	101.235	ug/l	94
30) Chloroform	6.65	83	270644	21.632	ug/l	96
31) Cyclohexane	6.94	56	202203	20.773	ug/l	99
32) 1,1,1-Trichloroethane	6.86	97	222108	20.534	ug/l	99
36) 1,1-Dichloropropene	7.13	75	201053	20.569	ug/l	98
37) Ethyl Acetate	6.17	43	92452	20.156	ug/l	97
38) Carbon Tetrachloride	7.10	117	225239	20.920	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.85	83	210002	20.720	ug/l	98
40) Benzene	7.45	78	506602	20.742	ug/l	100
41) Methacrylonitrile	6.43	41	108496	20.565	ug/l	97
42) 1,2-Dichloroethane	7.56	62	150595	21.247	ug/l	95
43) Isopropyl Acetate	9.23	43	131405	20.684	ug/l #	95
44) Trichloroethene	8.53	130	184045	21.842	ug/l	93
45) 1,2-Dichloropropane	8.92	63	132590	20.663	ug/l	99
46) Dibromomethane	9.05	93	81534	20.031	ug/l	94
47) Bromodichloromethane	9.37	83	193332	21.049	ug/l	99
48) Methyl methacrylate	9.11	41	76954	21.514	ug/l	92
49) 1,4-Dioxane	9.06	88	14469	400.036	ug/l #	89
51) 4-Methyl-2-Pentanone	10.28	43	429074	110.246	ug/l	96
52) Toluene	10.50	92	333813	21.979	ug/l	97
53) t-1,3-Dichloropropene	10.90	75	172777	20.572	ug/l	98
54) cis-1,3-Dichloropropene	10.03	75	217144	21.518	ug/l	97
55) 1,1,2-Trichloroethane	11.18	97	103198	20.404	ug/l	96
56) Ethyl methacrylate	11.03	69	119531	22.578	ug/l	98
57) 1,3-Dichloropropane	11.39	76	159902	21.155	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.85	63	269331	96.111	ug/l	99
59) 2-Hexanone	11.52	43	312339	109.710	ug/l	93
60) Dibromochloromethane	11.67	129	166589	22.380	ug/l	99
61) 1,2-Dibromoethane	11.79	107	124209	21.111	ug/l	96
64) Tetrachloroethene	11.25	164	138989	22.332	ug/l	98
65) Chlorobenzene	12.39	112	402871	22.289	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	151674	23.542	ug/l	98
67) Ethyl Benzene	12.52	91	599862	22.292	ug/l	99
68) m/p-Xylenes	12.65	106	492886	46.668	ug/l	98
69) o-Xylene	13.04	106	235983	22.731	ug/l	97
70) Styrene	13.07	104	386383	22.793	ug/l	97
71) Bromoform	13.23	173	91644	22.050	ug/l	96
73) Isopropylbenzene	13.39	105	584461	19.603	ug/l	97
74) N-amyl acetate	13.25	43	172357	20.530	ug/l	96
75) 1,1,2,2-Tetrachloroethane	13.69	83	117560	20.209	ug/l	98
76) 1,2,3-Trichloropropane	13.73	75	129347	21.732	ug/l	98
77) Bromobenzene	13.66	156	170548	22.408	ug/l	90
78) n-propylbenzene	13.77	91	717458	20.555	ug/l	96
79) 2-Chlorotoluene	13.83	91	407900	21.226	ug/l	96
80) 1,3,5-Trimethylbenzene	14.23	105	480311	21.220	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.46	75	33918	19.329	ug/l	95
82) 4-Chlorotoluene	13.93	91	425989	18.751	ug/l	95
83) tert-Butylbenzene	14.18	119	588224	23.746	ug/l	95
84) 1,2,4-Trimethylbenzene	14.23	105	480311	21.220	ug/l	97
85) sec-Butylbenzene	14.36	105	677152	22.392	ug/l	97
86) p-Isopropyltoluene	14.49	119	565624	22.882	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	318813	23.458	ug/l	96
88) 1,4-Dichlorobenzene	14.52	146	294961	22.086	ug/l	96
89) n-Butylbenzene	14.79	91	475877	20.047	ug/l	97
90) Hexachloroethane	15.00	117	145573	20.856	ug/l	80
91) 1,2-Dichlorobenzene	14.80	146	257124	22.694	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.37	75	14309	20.412	ug/l	80

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

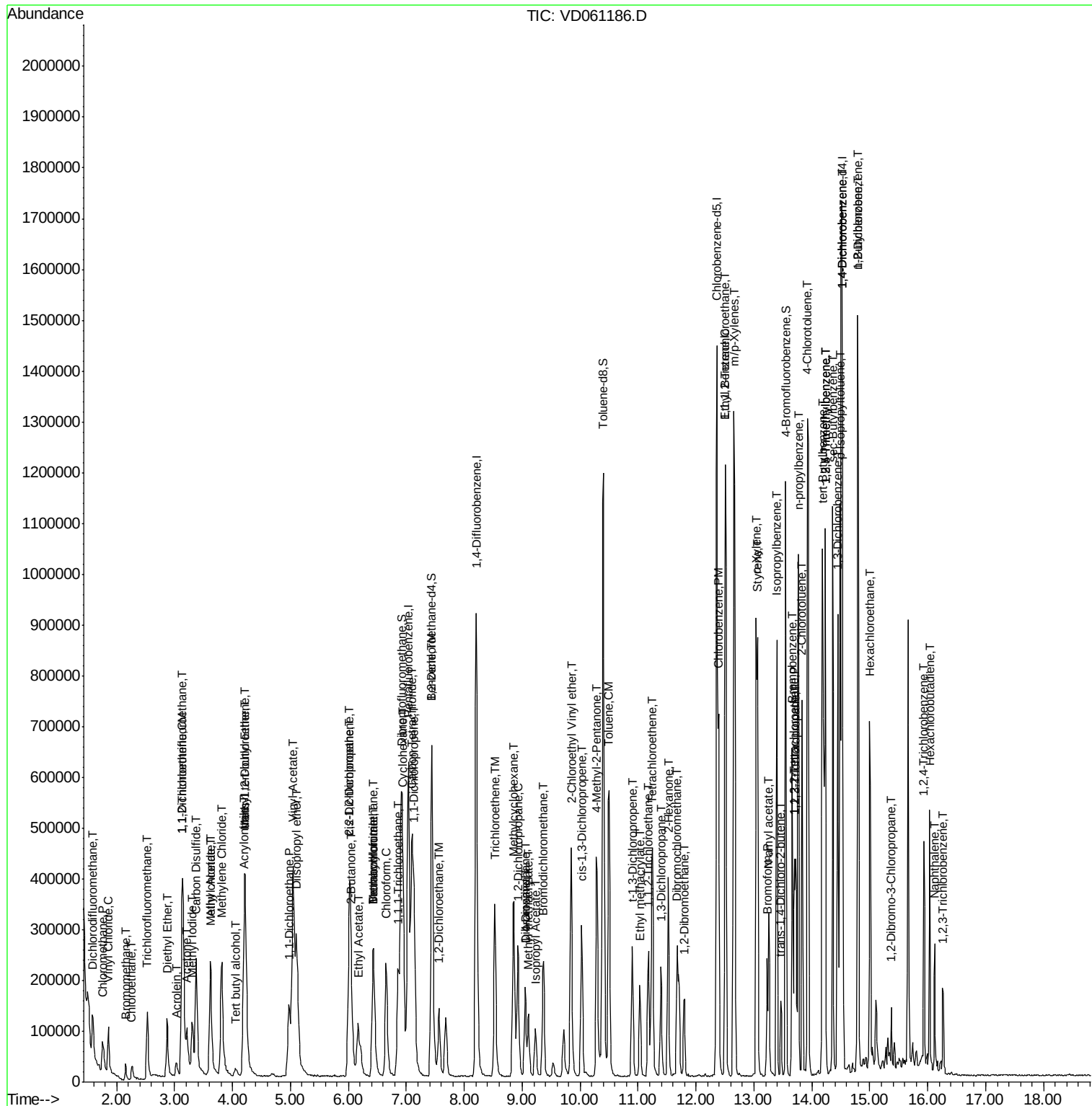
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.93	180	111472	21.209	µg/l	97
94) Hexachlorobutadiene	16.03	225	80546	20.260	µg/l	97
95) Naphthalene	16.12	128	163949	20.527	µg/l	99
96) 1,2,3-Trichlorobenzene	16.27	180	45777	17.634	µg/l	94

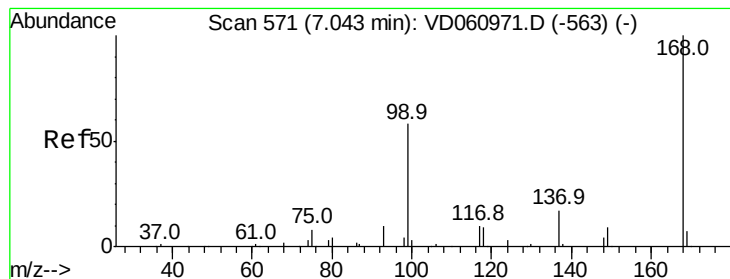
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD031919\
 Data File : VD061186.D
 Acq On : 19 Mar 2019 15:44
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.03 min Scan# 570

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

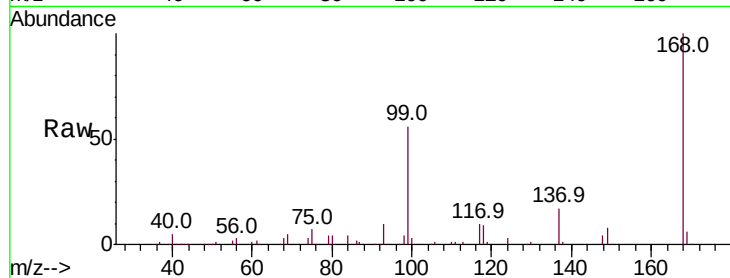
VD0319SBS01

Tot Ion:168 Resp: 660842

Ion Ratio Lower Upper

168 100

99 55.6 47.3 70.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.03

250000

200000

150000

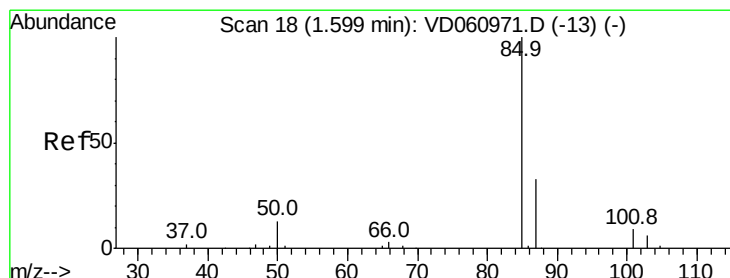
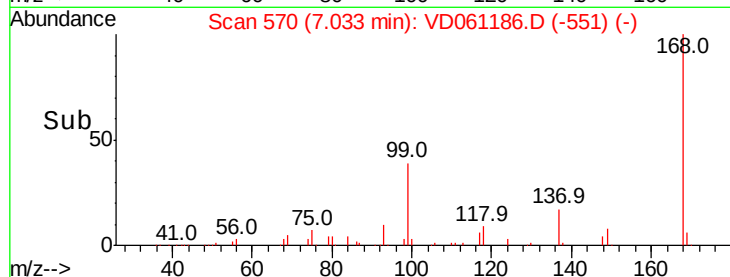
100000

50000

0

6.90 7.00 7.10 7.20

Time-->



#2

Dichlorodifluoromethane

Concen: 19.906 ug/l

RT: 1.58 min Scan# 16

Delta R.T. -0.02 min

Lab File: VD061186.D

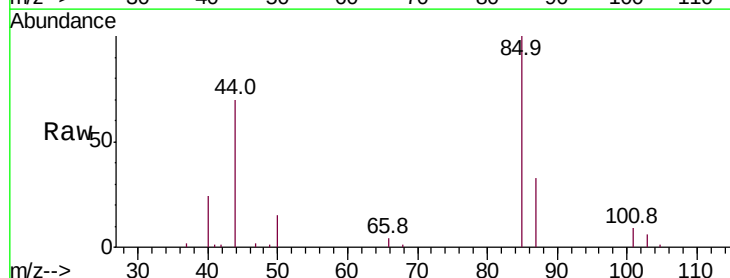
Acq: 19 Mar 2019 15:44

Tgt Ion: 85 Resp: 130307

Ion Ratio Lower Upper

85 100

87 32.9 16.4 49.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.58

50000

40000

30000

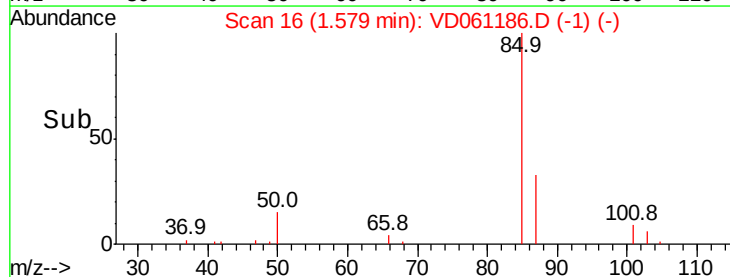
20000

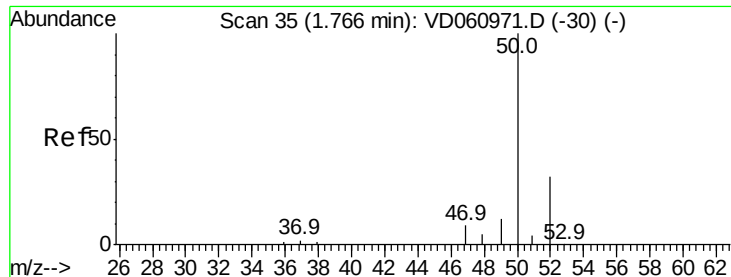
10000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 21.711 ug/l

RT: 1.76 min Scan# 34

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

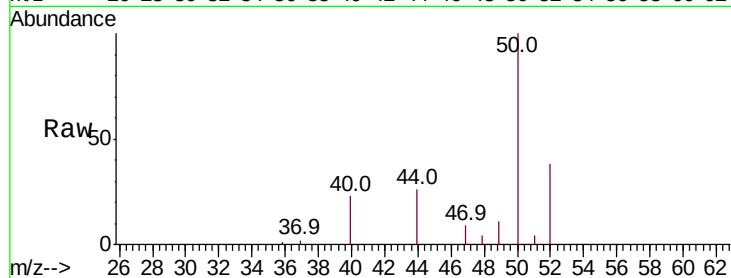
VD0319SBS01

Tot Ion: 50 Resp: 118392

Ion Ratio Lower Upper

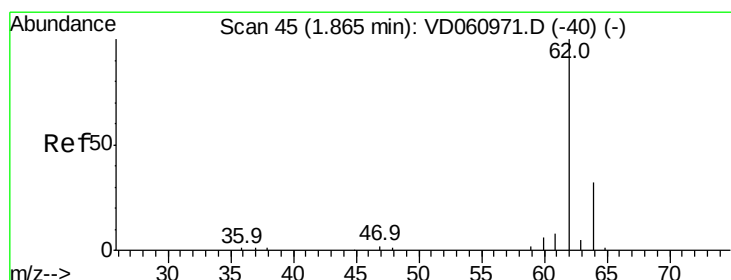
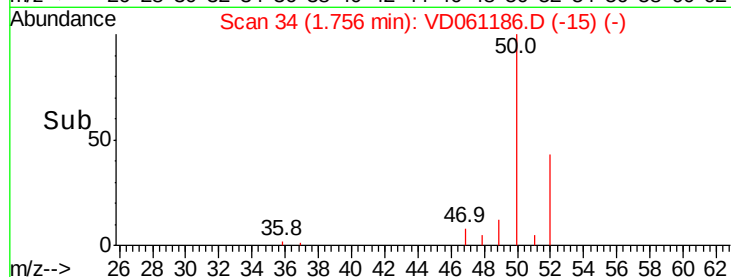
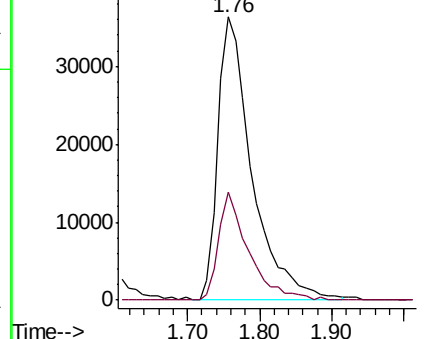
50 100

52 38.3 25.8 38.8



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.495 ug/l

RT: 1.85 min Scan# 44

Delta R.T. -0.01 min

Lab File: VD061186.D

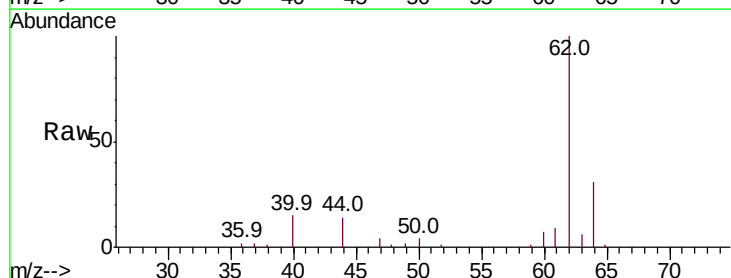
Acq: 19 Mar 2019 15:44

Tgt Ion: 62 Resp: 113345

Ion Ratio Lower Upper

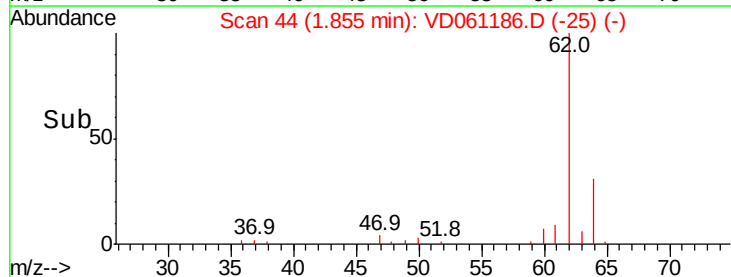
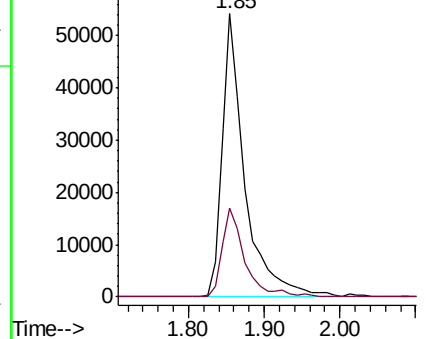
62 100

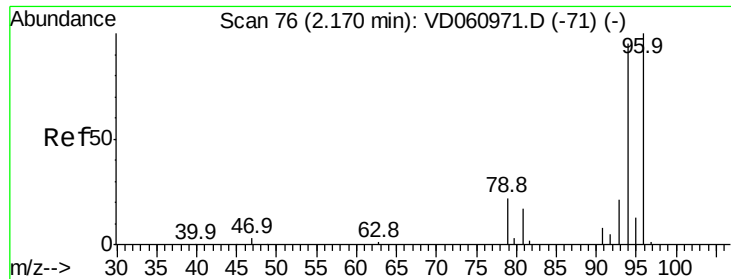
64 31.3 25.2 37.8



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 19.718 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.02 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

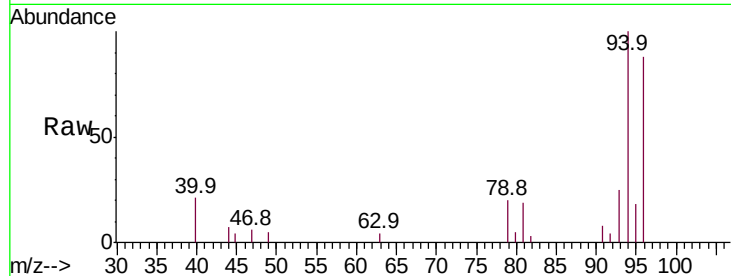
Tot Ion: 94 Resp: 20083

Ion Ratio Lower Upper

94 100

96 88.0 84.0 126.0

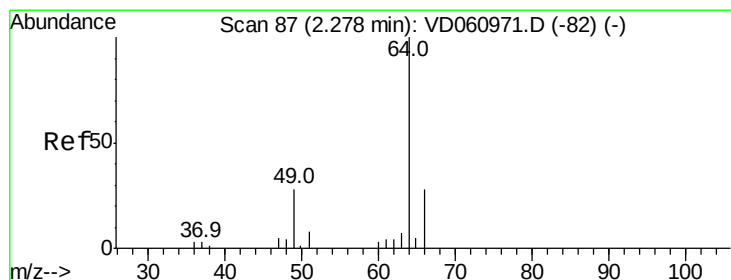
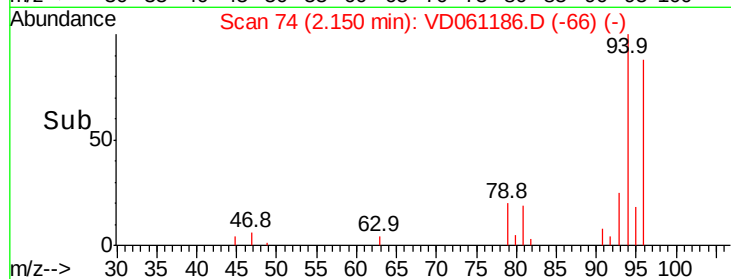
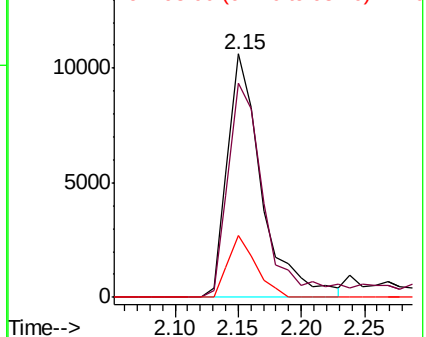
93 25.3 17.3 25.9



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: 22.104 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.02 min

Lab File: VD061186.D

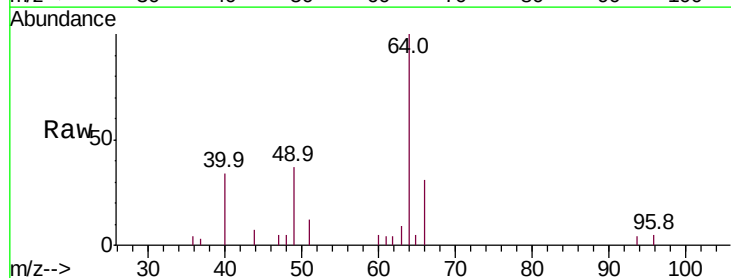
Acq: 19 Mar 2019 15:44

Tgt Ion: 64 Resp: 33337

Ion Ratio Lower Upper

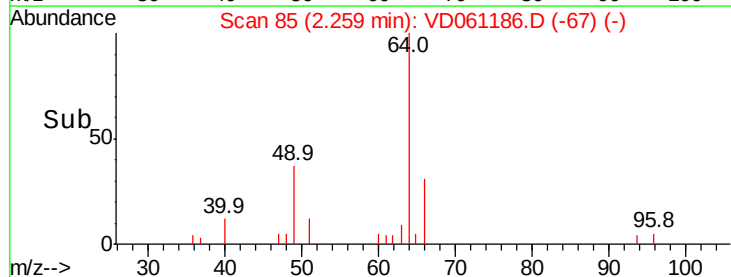
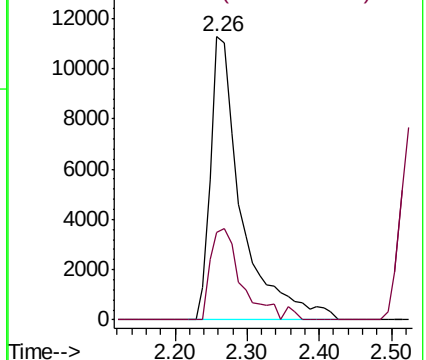
64 100

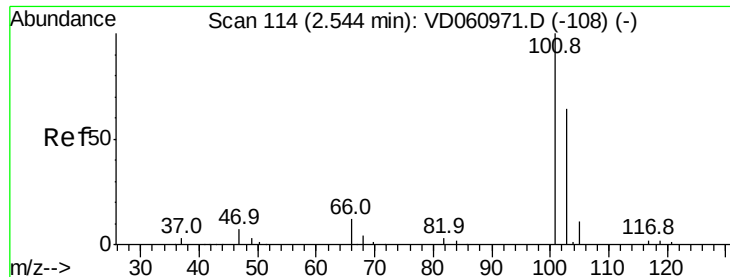
66 30.8 22.2 33.2



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



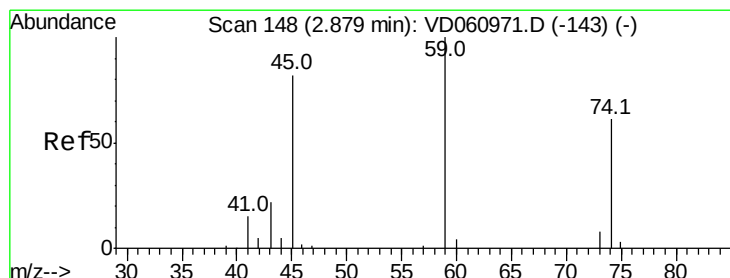
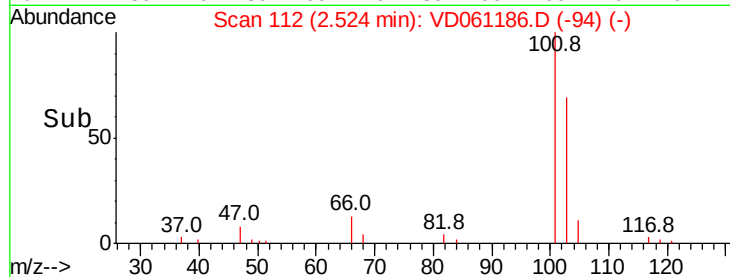
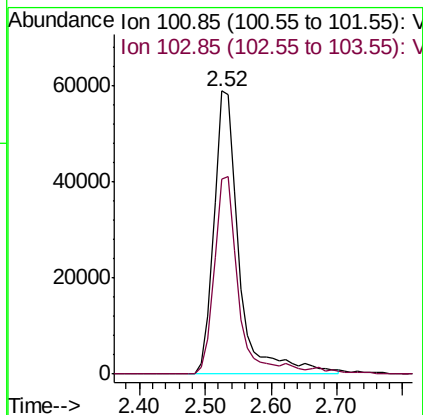
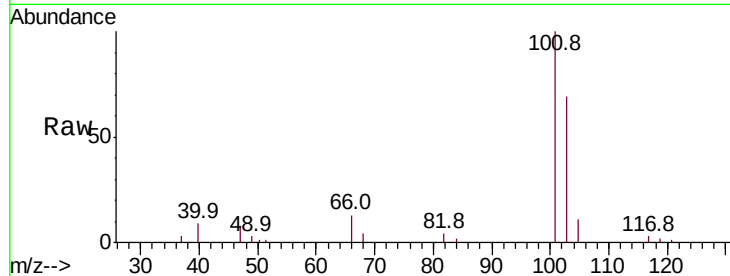


#7

Trichlorofluoromethane
 Concen: 21.517 ug/l
 RT: 2.52 min Scan# 112
 Delta R.T. -0.02 min
 Lab File: VD061186.D
 Acq: 19 Mar 2019 15:44

Instrument :
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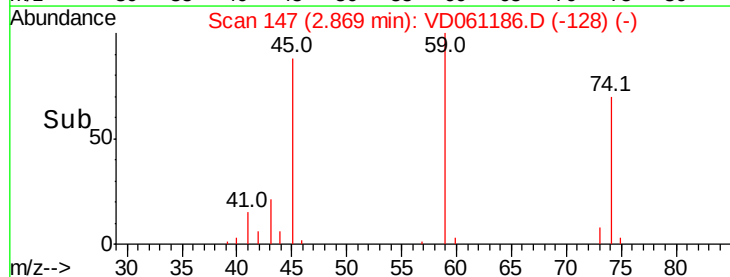
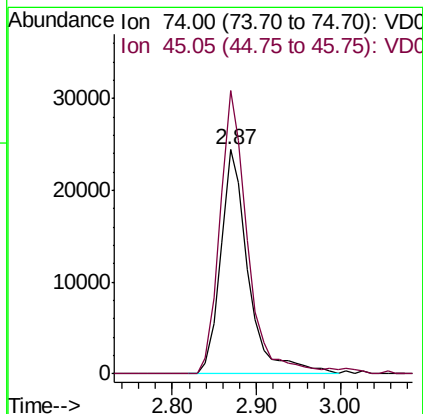
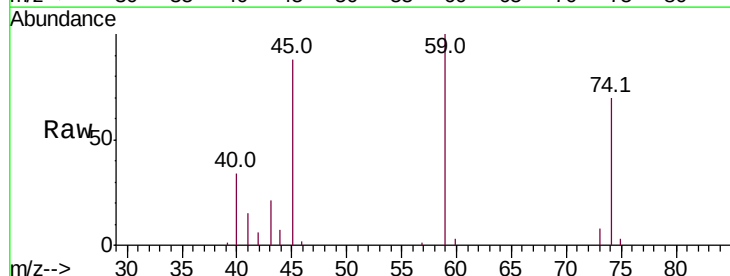
Tot Ion:101 Resp: 155748
 Ion Ratio Lower Upper
 101 100
 103 68.9 51.2 76.8

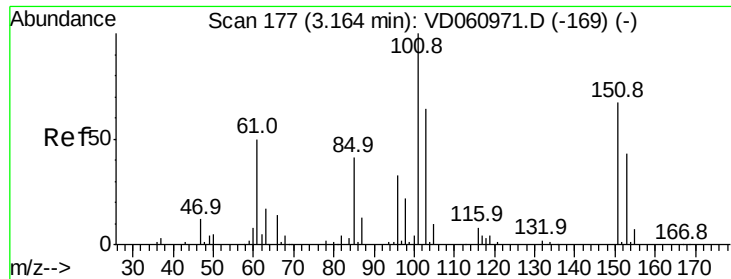


#8

Diethyl Ether
 Concen: 23.282 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. -0.01 min
 Lab File: VD061186.D
 Acq: 19 Mar 2019 15:44

Tgt Ion: 74 Resp: 55595
 Ion Ratio Lower Upper
 74 100
 45 126.1 67.0 201.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.221 ug/l

RT: 3.14 min Scan# 175

Delta R.T. -0.02 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

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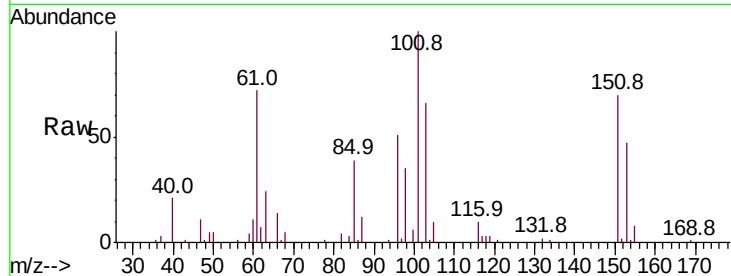
Tot Ion:101 Resp: 163643

Ion Ratio Lower Upper

101 100

85 39.0 32.5 48.7

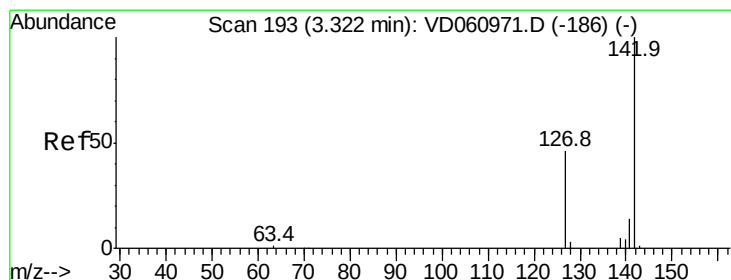
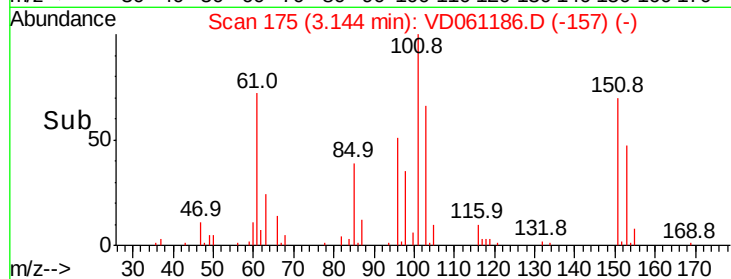
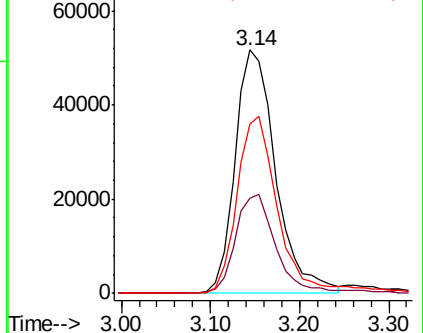
151 69.8 53.3 79.9



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: 19.217 ug/l

RT: 3.30 min Scan# 191

Delta R.T. -0.02 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

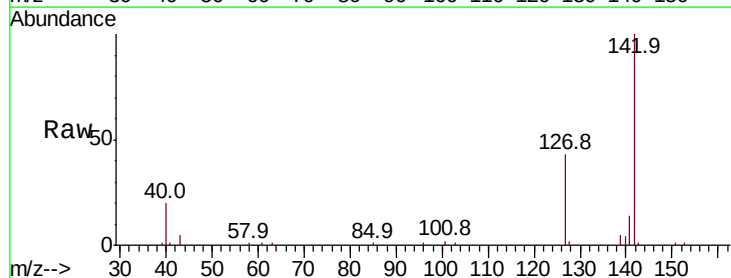
Tgt Ion:142 Resp: 192789

Ion Ratio Lower Upper

142 100

127 43.4 36.8 55.2

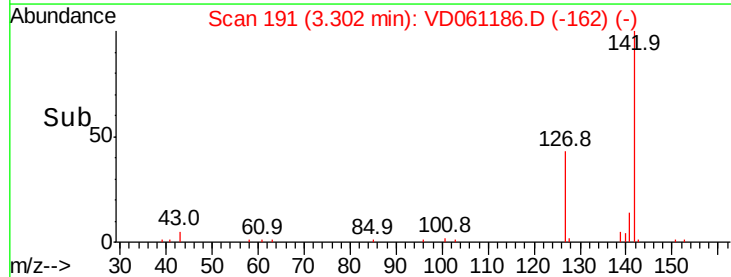
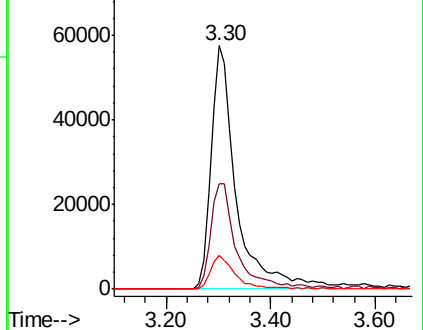
141 13.9 11.2 16.8

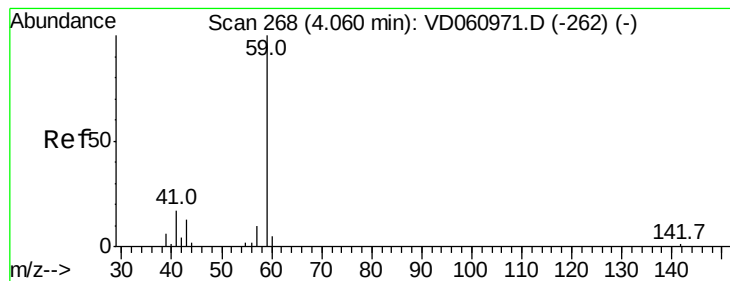


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



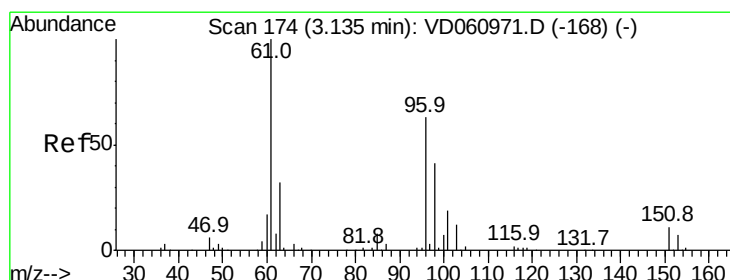
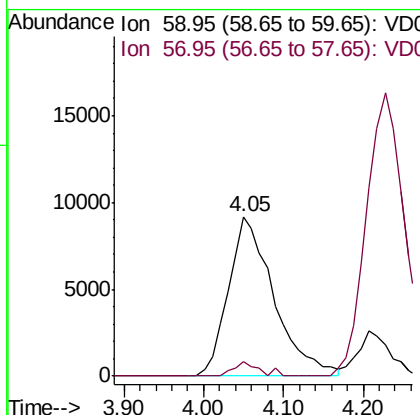
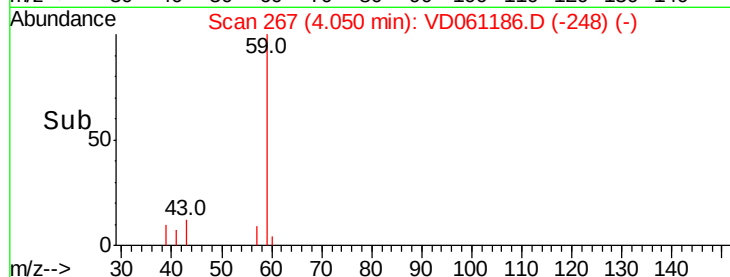
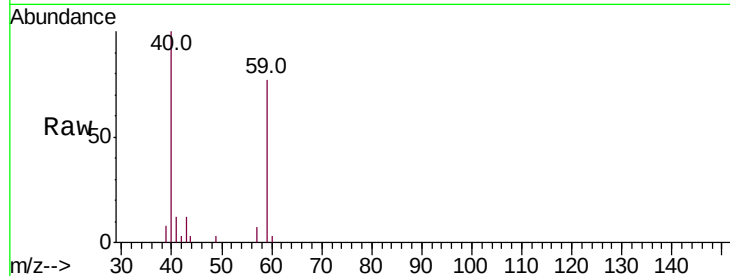


#11

Tert butyl alcohol
Concen: 103.856 ug/l
RT: 4.05 min Scan# 267
Delta R.T. -0.01 min
Lab File: VD061186.D
Acq: 19 Mar 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0319SBS01

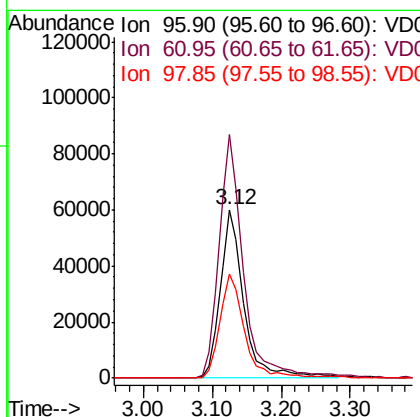
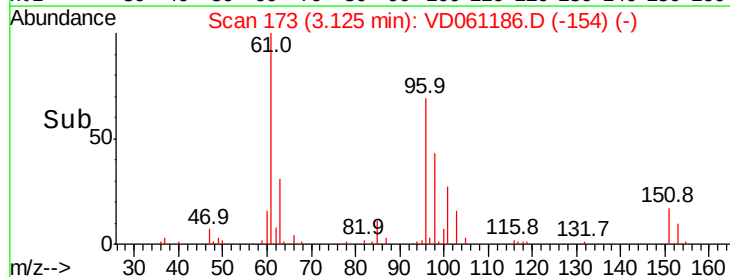
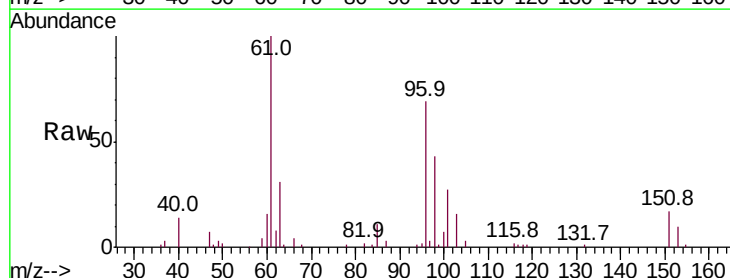
Tot Ion: 59 Resp: 36369
Ion Ratio Lower Upper
59 100
57 9.0 7.1 10.7

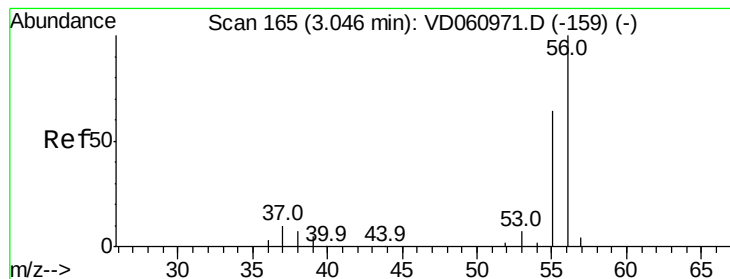


#12

1,1-Dichloroethene
Concen: 21.351 ug/l
RT: 3.12 min Scan# 173
Delta R.T. -0.01 min
Lab File: VD061186.D
Acq: 19 Mar 2019 15:44

Tgt Ion: 96 Resp: 141630
Ion Ratio Lower Upper
96 100
61 144.7 127.1 190.7
98 62.2 51.5 77.3





#13

Acrolein

Concen: 67.195 ug/l

RT: 3.04 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

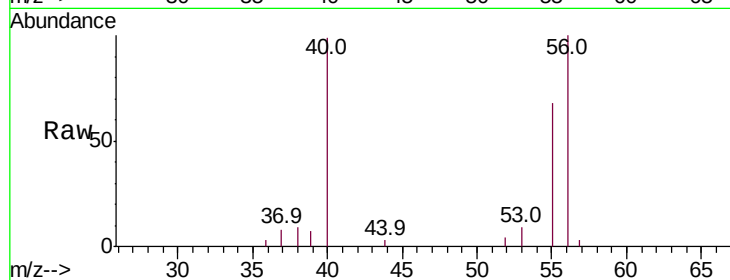
VD0319SBS01

Tot Ion: 56 Resp: 34047

Ion Ratio Lower Upper

56 100

55 67.8 51.3 76.9



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

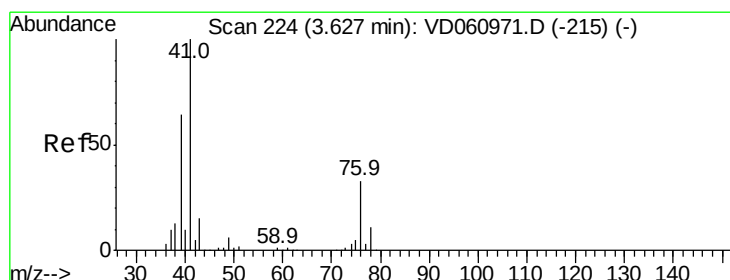
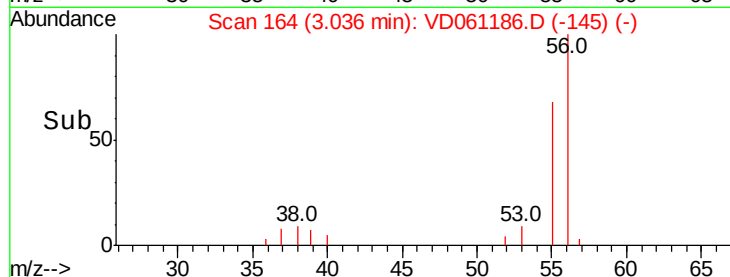
3.04

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 20.447 ug/l

RT: 3.62 min Scan# 223

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

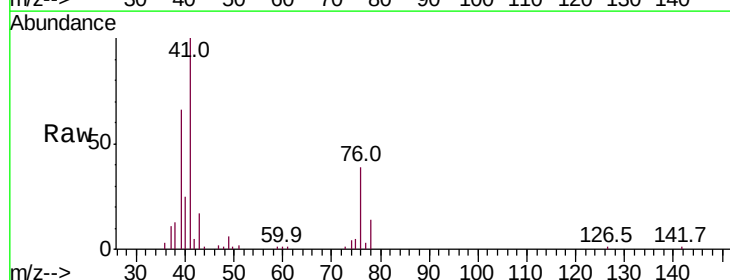
Tgt Ion: 41 Resp: 217011

Ion Ratio Lower Upper

41 100

39 65.8 51.1 76.7

76 39.2 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

100000

80000

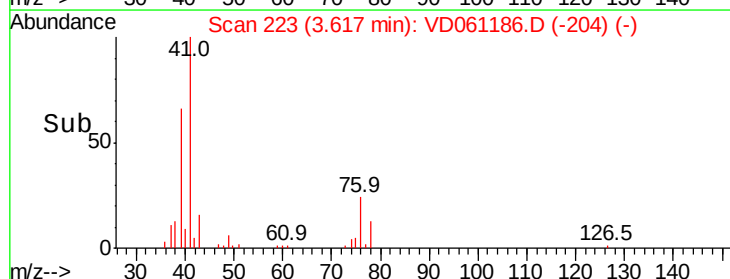
60000

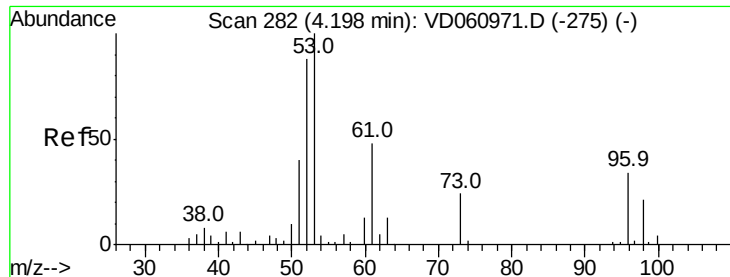
40000

20000

0

Time-->





#15

Acrylonitrile

Concen: 112.181 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

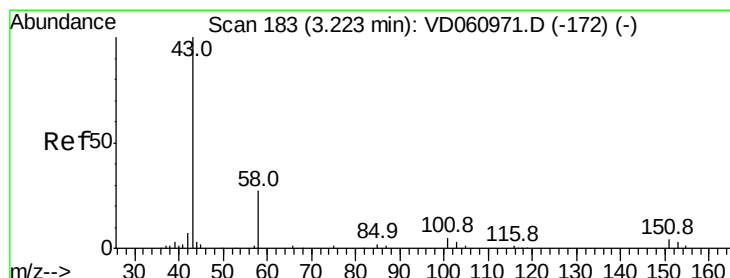
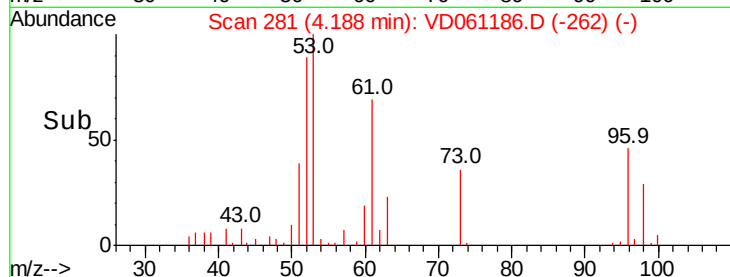
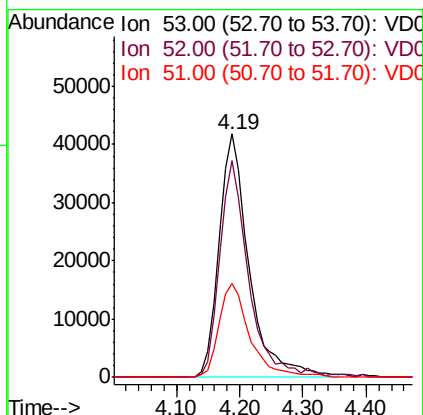
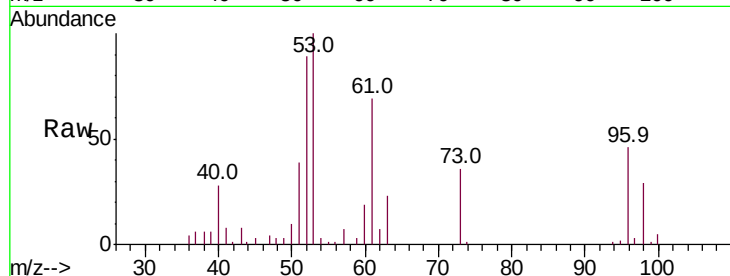
Tot Ion: 53 Resp: 138844

Ion Ratio Lower Upper

53 100

52 88.8 70.2 105.4

51 38.8 31.7 47.5



#16

Acetone

Concen: 93.202 ug/l

RT: 3.21 min Scan# 182

Delta R.T. -0.01 min

Lab File: VD061186.D

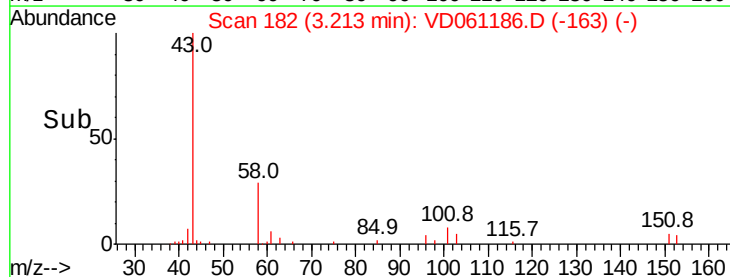
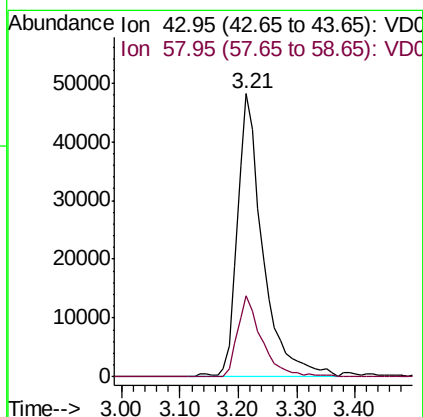
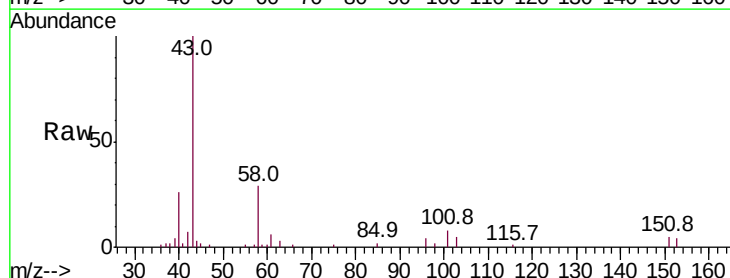
Acq: 19 Mar 2019 15:44

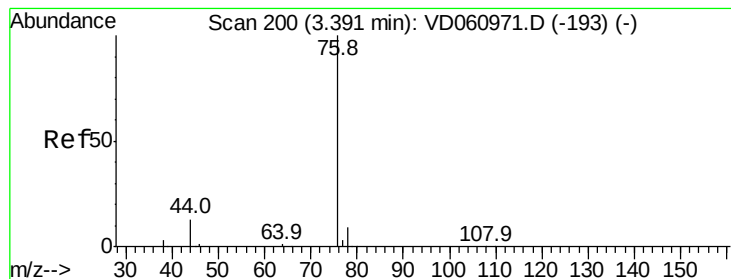
Tgt Ion: 43 Resp: 146606

Ion Ratio Lower Upper

43 100

58 28.8 21.6 32.4





#17

Carbon Disulfide

Concen: 19.885 ug/l

RT: 3.37 min Scan# 198

Delta R.T. -0.02 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

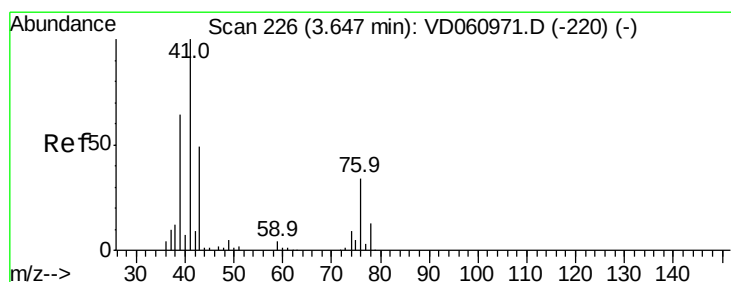
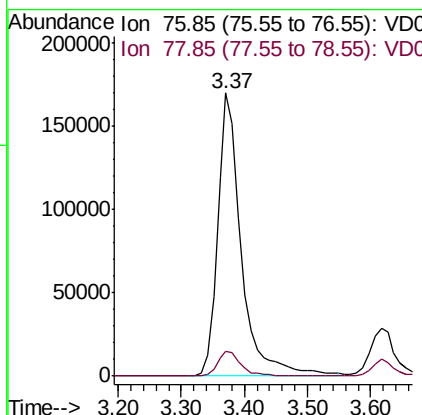
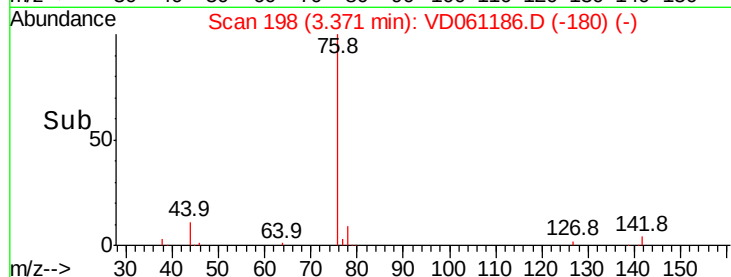
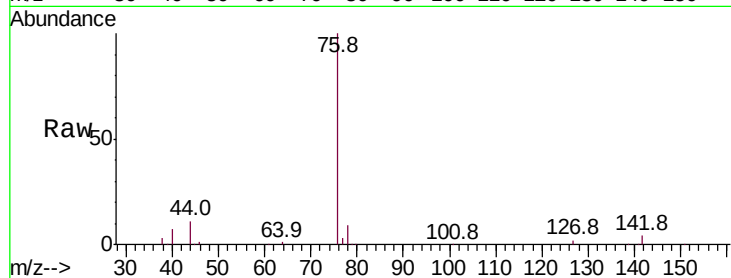
VD0319SBS01

Tot Ion: 76 Resp: 444972

Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.2



#18

Methyl Acetate

Concen: 20.562 ug/l

RT: 3.64 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD061186.D

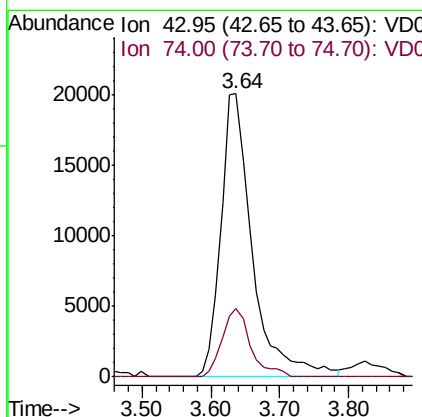
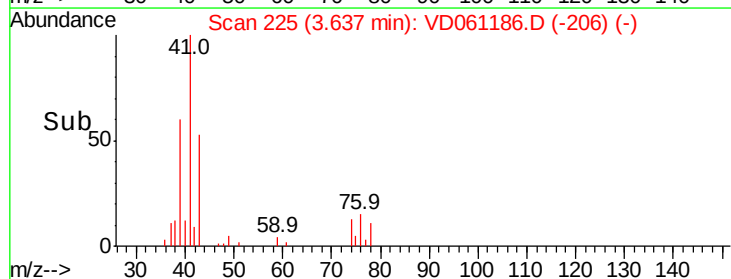
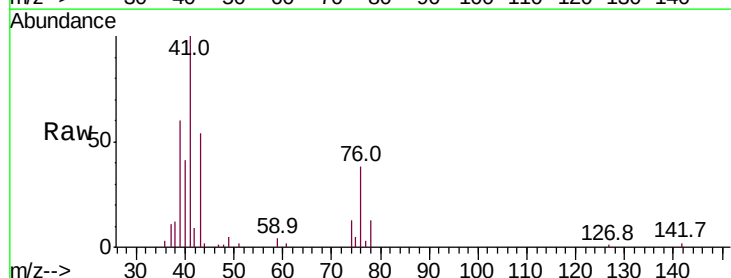
Acq: 19 Mar 2019 15:44

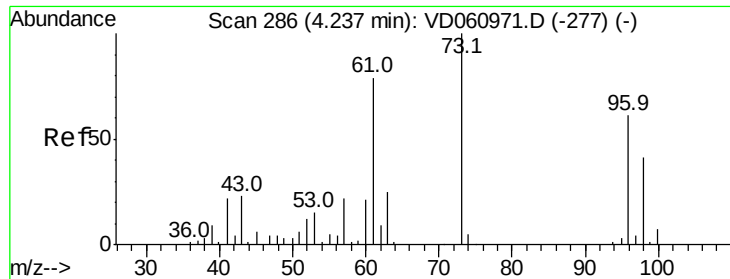
Tgt Ion: 43 Resp: 63651

Ion Ratio Lower Upper

43 100

74 24.2 14.6 21.8#



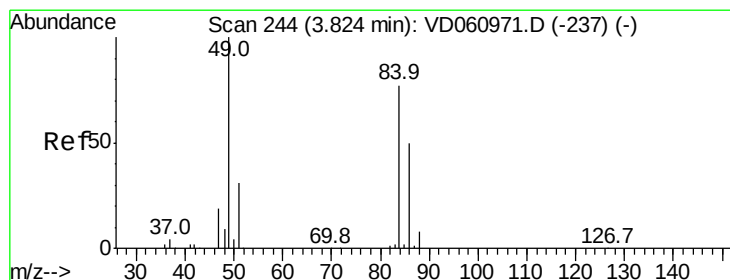
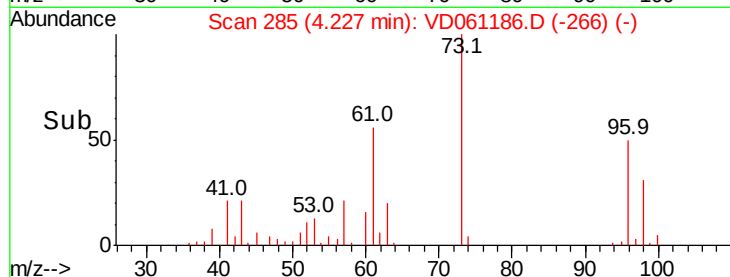
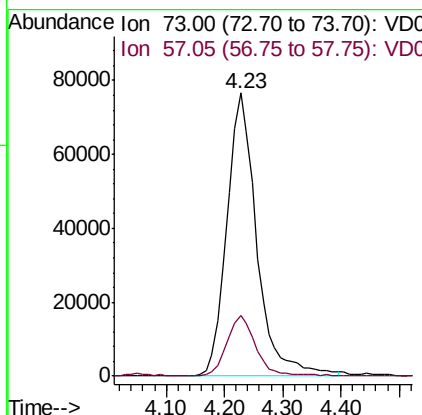
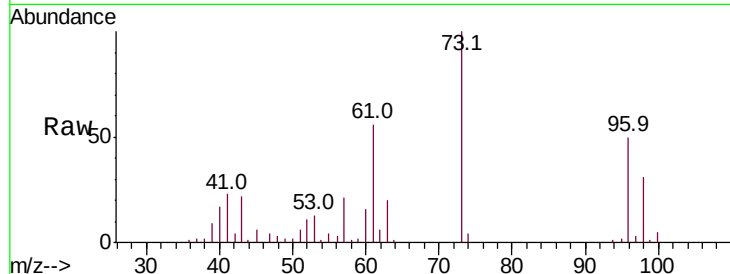


#19

Methyl tert-butyl Ether
 Concen: 23.547 ug/l
 RT: 4.23 min Scan# 285
 Delta R.T. -0.01 min
 Lab File: VD061186.D
 Acq: 19 Mar 2019 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0319SBS01

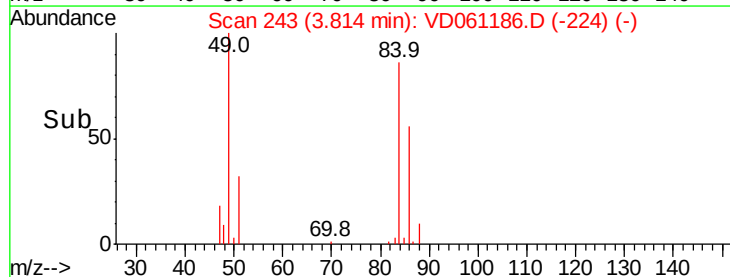
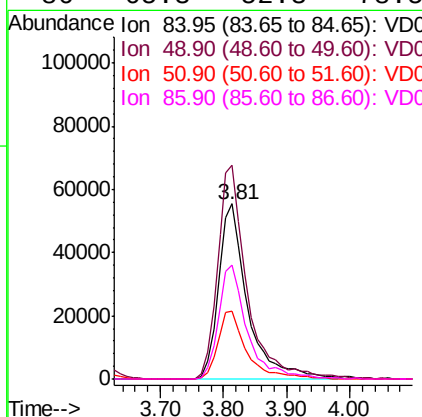
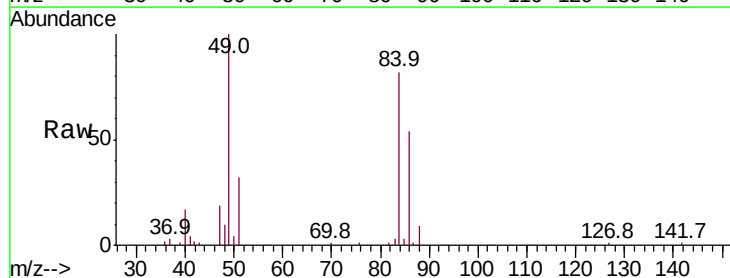
Tot Ion: 73 Resp: 273746
 Ion Ratio Lower Upper
 73 100
 57 21.3 17.7 26.5

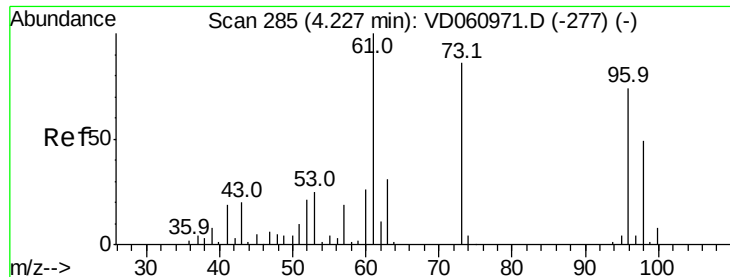


#20

Methylene Chloride
 Concen: 22.171 ug/l
 RT: 3.81 min Scan# 243
 Delta R.T. -0.01 min
 Lab File: VD061186.D
 Acq: 19 Mar 2019 15:44

Tgt Ion: 84 Resp: 177634
 Ion Ratio Lower Upper
 84 100
 49 121.9 104.2 156.2
 51 38.8 32.3 48.5
 86 65.3 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 21.840 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.02 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

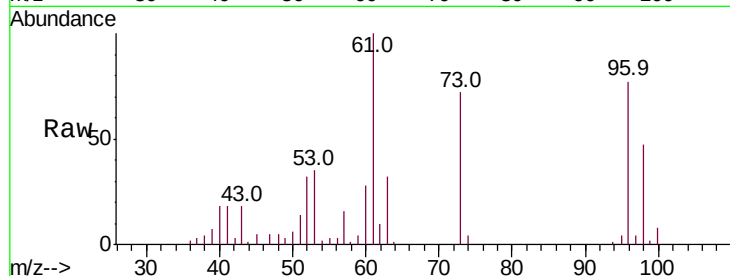
Tot Ion: 96 Resp: 156805

Ion Ratio Lower Upper

96 100

61 129.6 108.4 162.6

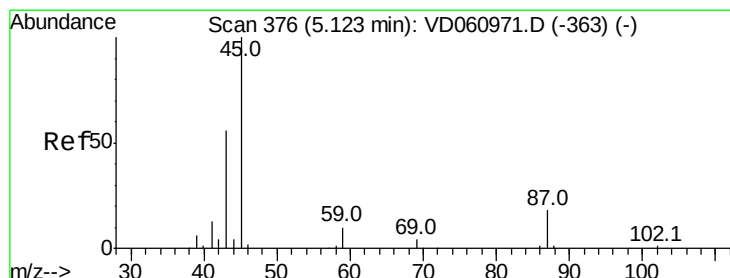
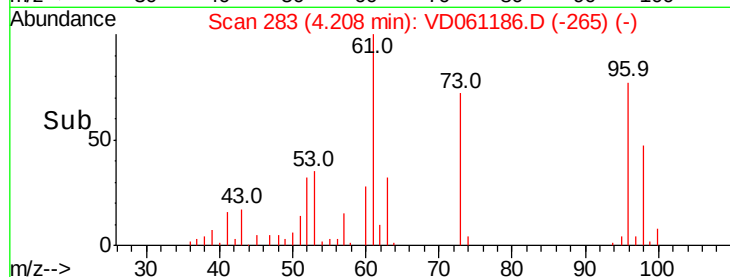
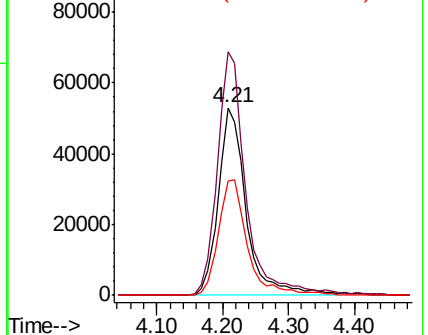
98 60.8 53.0 79.4



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 20.836 ug/l

RT: 5.10 min Scan# 374

Delta R.T. -0.02 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Tgt Ion: 45 Resp: 459083

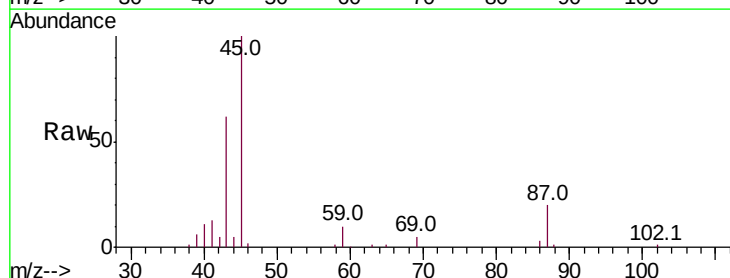
Ion Ratio Lower Upper

45 100

43 62.0 45.8 68.8

87 19.6 14.9 22.3

59 10.0 8.0 12.0

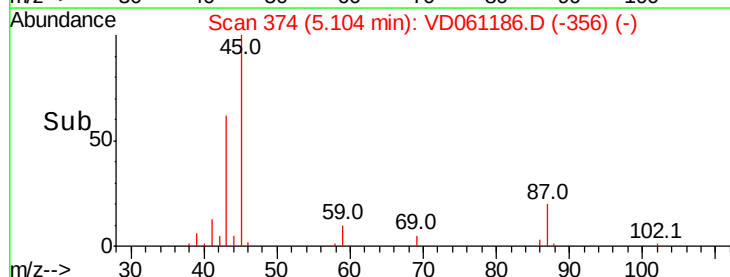
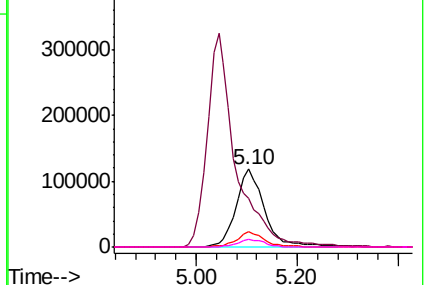


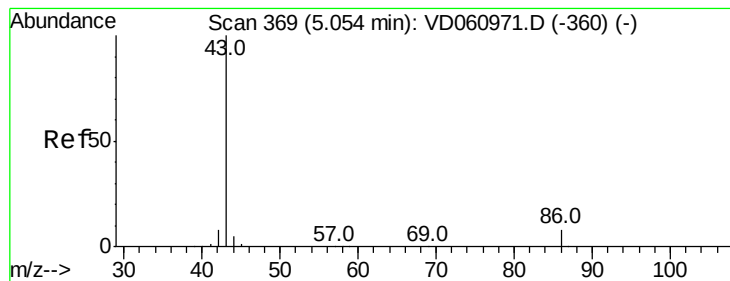
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 111.851 ug/l

RT: 5.04 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

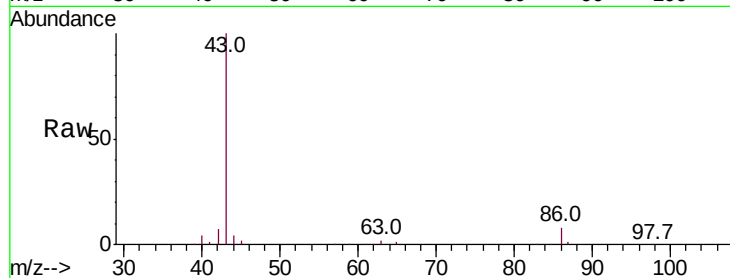
VD0319SBS01

Tot Ion: 43 Resp: 1265078

Ion Ratio Lower Upper

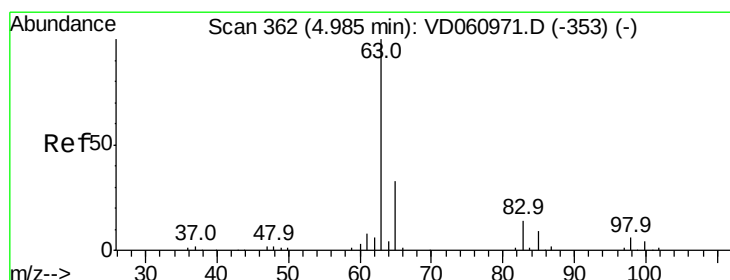
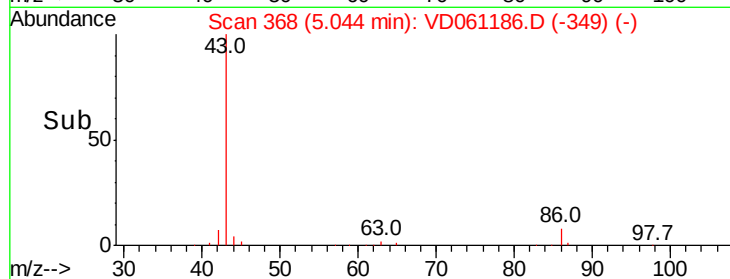
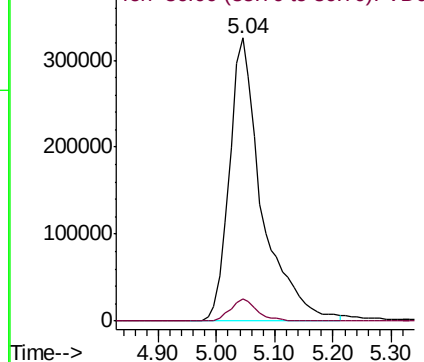
43 100

86 7.8 6.2 9.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 21.416 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

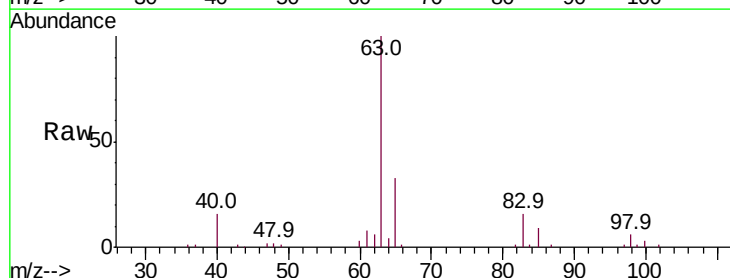
Tgt Ion: 63 Resp: 258532

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.2

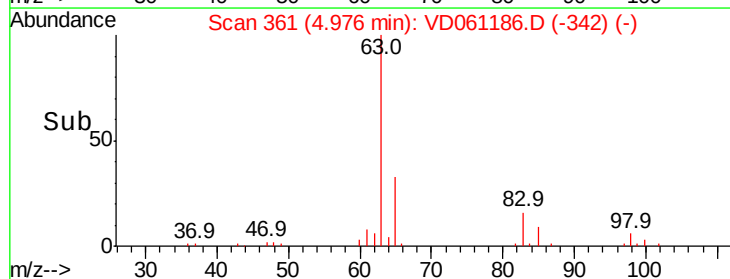
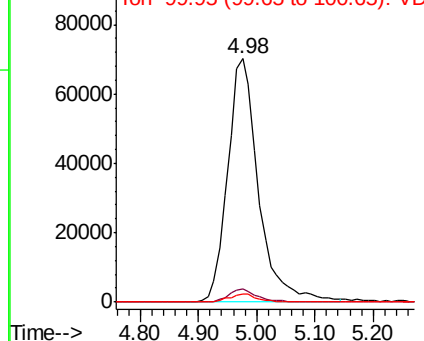
100 3.5 2.0 5.8

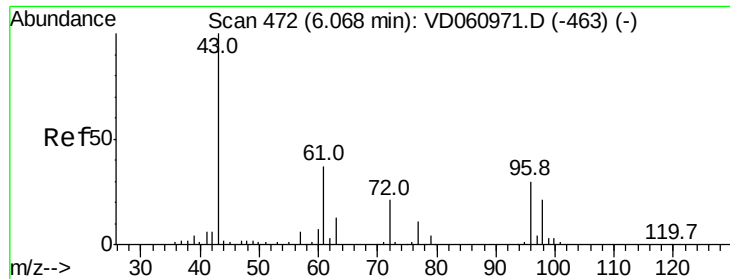


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 103.547 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

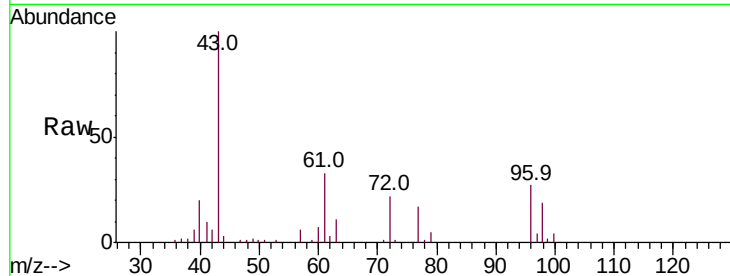
VD0319SBS01

Tot Ion: 43 Resp: 184821

Ion Ratio Lower Upper

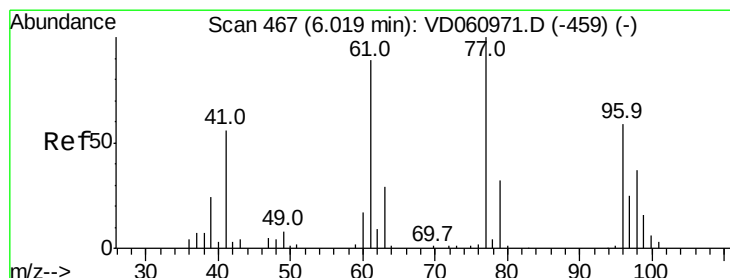
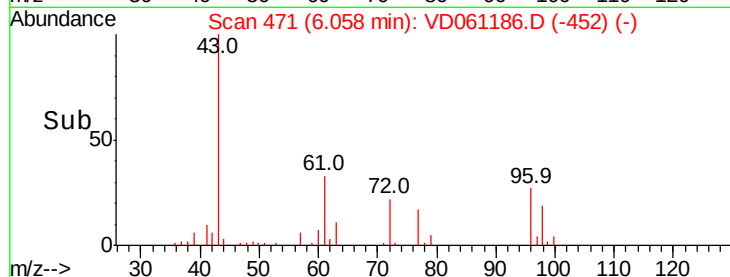
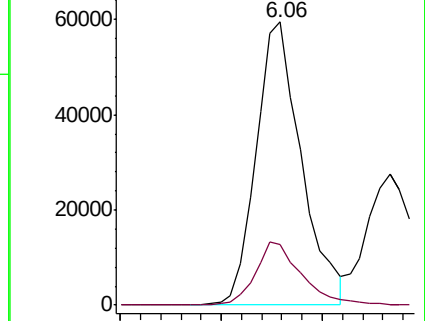
43 100

72 21.6 16.7 25.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.939 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD061186.D

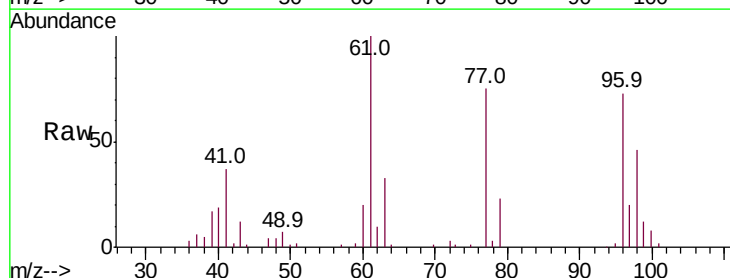
Acq: 19 Mar 2019 15:44

Tgt Ion: 77 Resp: 197327

Ion Ratio Lower Upper

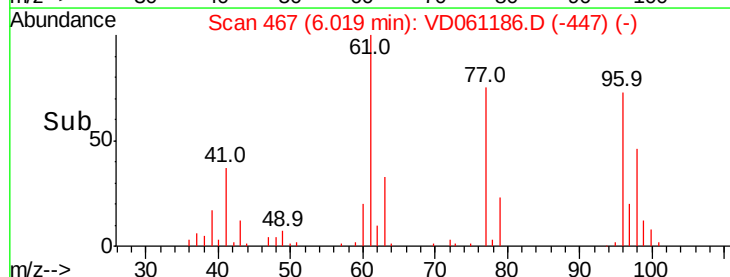
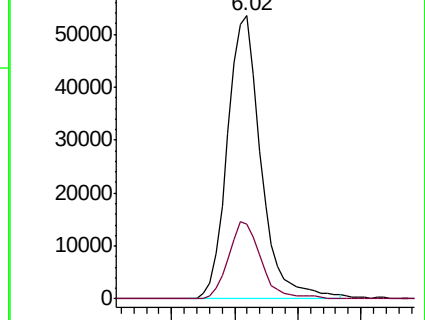
77 100

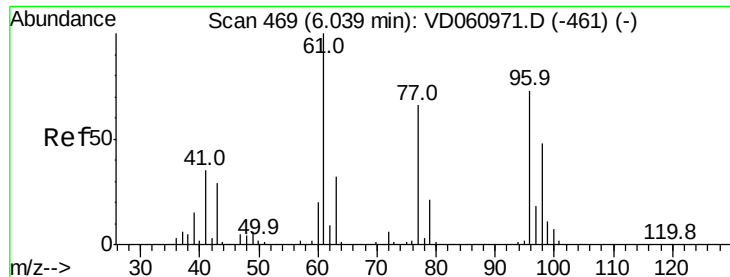
97 26.6 12.6 37.6



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



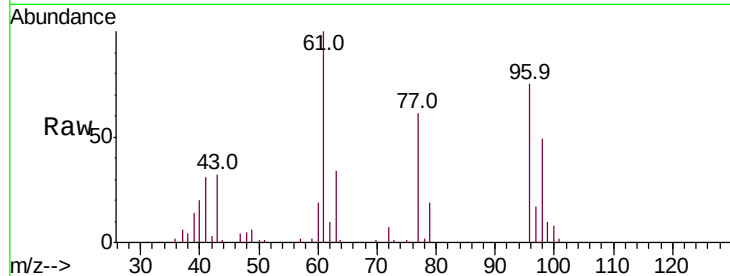


#27

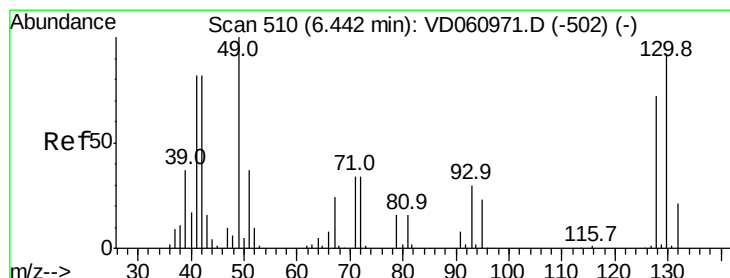
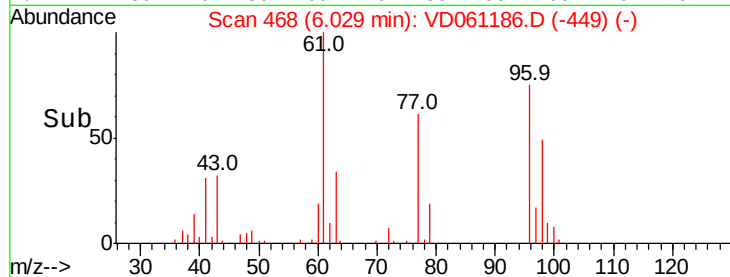
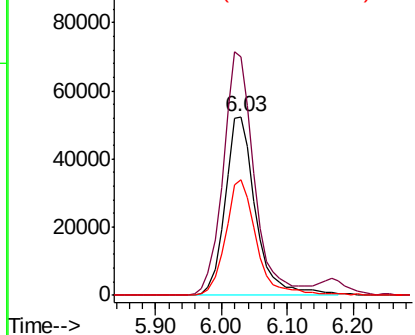
cis-1,2-Dichloroethene
 Concen: 22.265 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.01 min
 Lab File: VD061186.D
 Acq: 19 Mar 2019 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0319SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.1	0.0	273.6
98	64.7	0.0	132.6



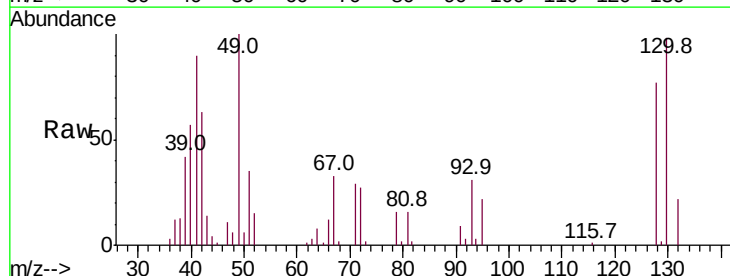
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



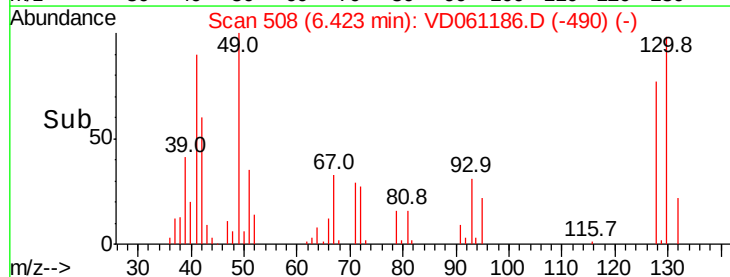
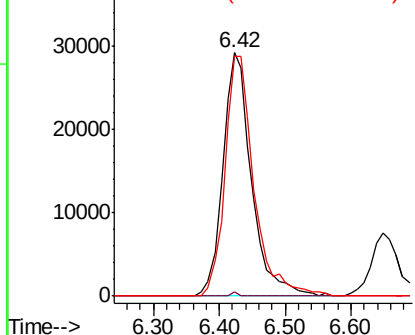
#28

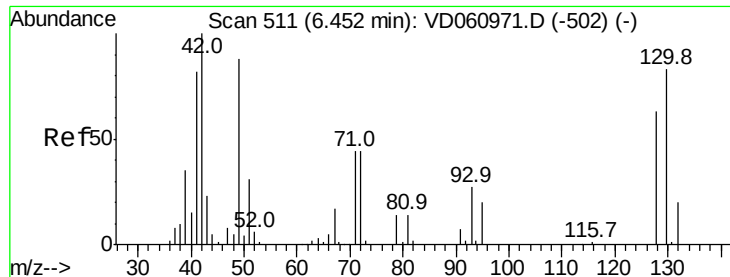
Bromochloromethane
 Concen: 17.259 ug/l
 RT: 6.42 min Scan# 508
 Delta R.T. -0.02 min
 Lab File: VD061186.D
 Acq: 19 Mar 2019 15:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	4.0
130	98.4	73.8	110.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
 Ion 128.80 (128.50 to 129.50): V
 Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 101.235 ug/l

RT: 6.44 min Scan# 510

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

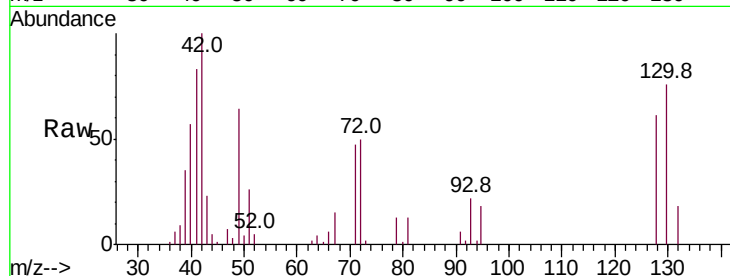
Tot Ion: 42 Resp: 98117

Ion Ratio Lower Upper

42 100

72 46.6 34.5 51.7

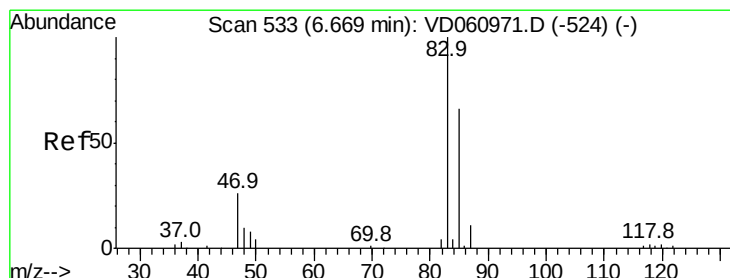
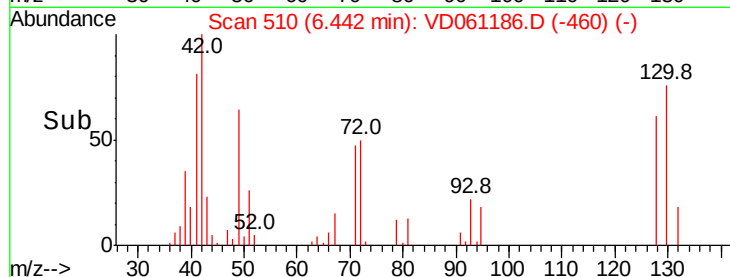
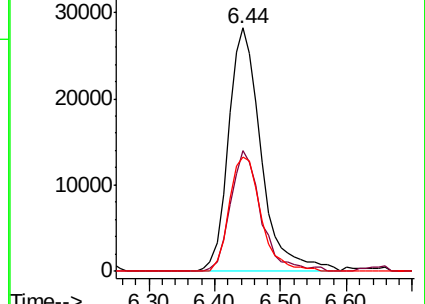
71 45.8 33.8 50.6



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: 21.632 ug/l

RT: 6.65 min Scan# 531

Delta R.T. -0.02 min

Lab File: VD061186.D

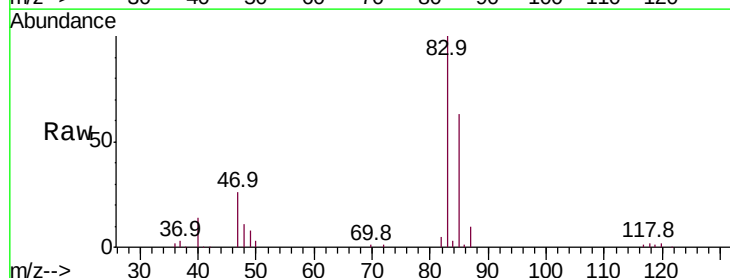
Acq: 19 Mar 2019 15:44

Tgt Ion: 83 Resp: 270644

Ion Ratio Lower Upper

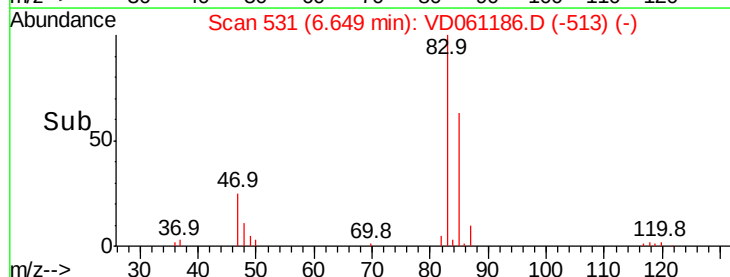
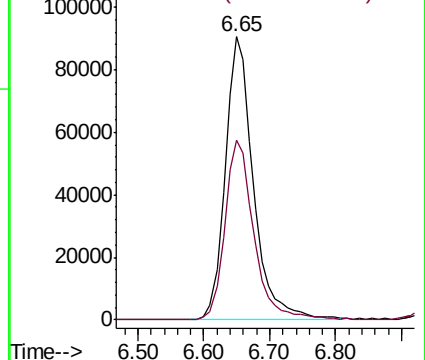
83 100

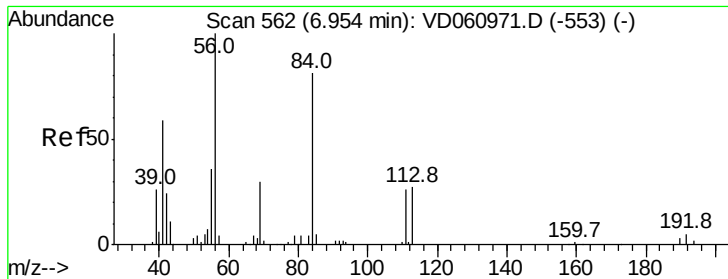
85 63.3 53.0 79.4



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

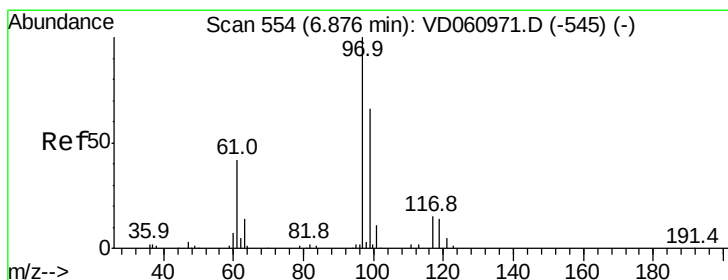
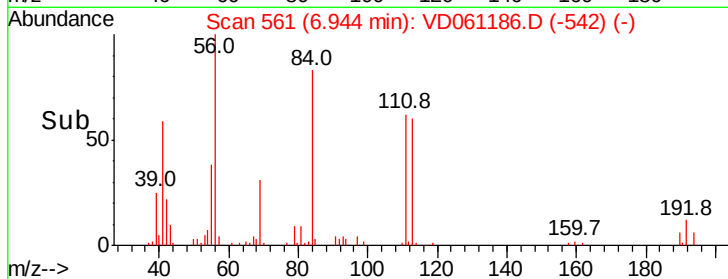
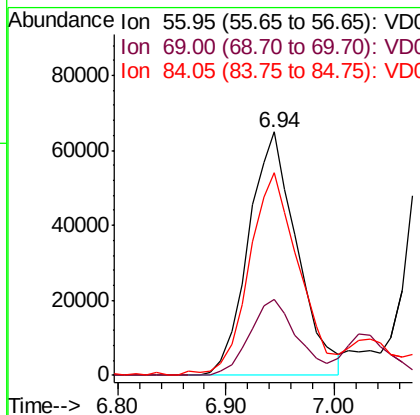
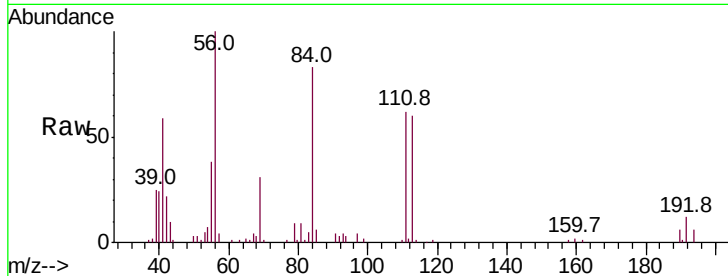




#31
Cyclohexane
Concen: 20.773 ug/l
RT: 6.94 min Scan# 561
Delta R.T. -0.01 min
Lab File: VD061186.D
Acq: 19 Mar 2019 15:44

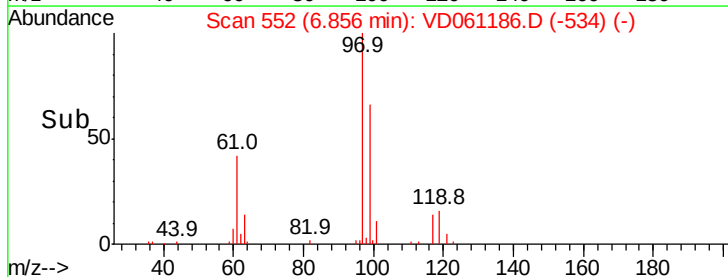
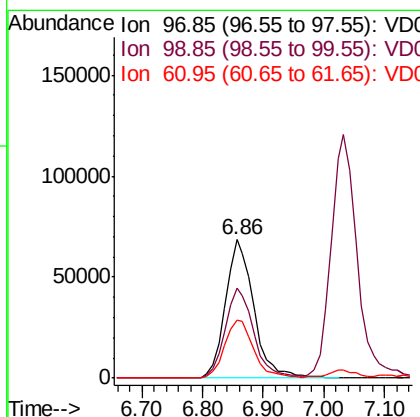
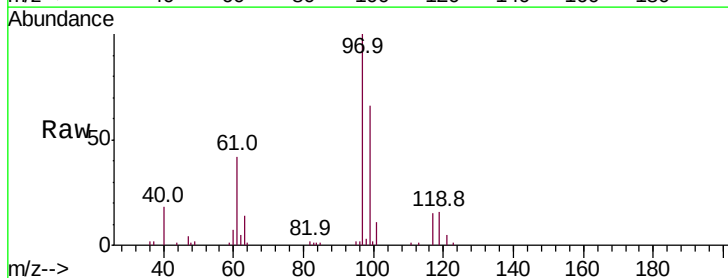
Instrument :
MSVOA_D
ClientSampleId :
VD0319SBS01

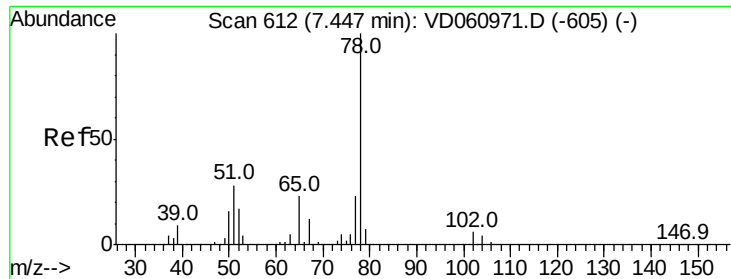
Tot Ion: 56 Resp: 202203
Ion Ratio Lower Upper
56 100
69 31.3 24.0 36.0
84 83.2 65.8 98.6



#32
1,1,1-Trichloroethane
Concen: 20.534 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.02 min
Lab File: VD061186.D
Acq: 19 Mar 2019 15:44

Tgt Ion: 97 Resp: 222108
Ion Ratio Lower Upper
97 100
99 65.6 53.2 79.8
61 41.9 33.8 50.8

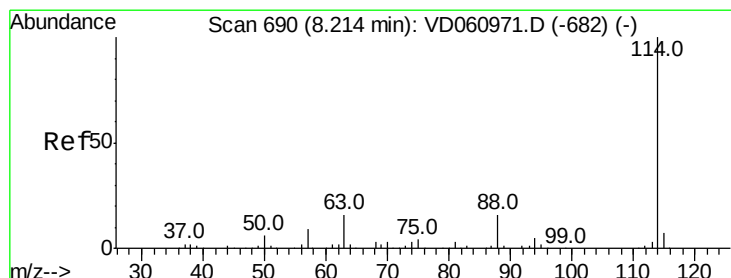
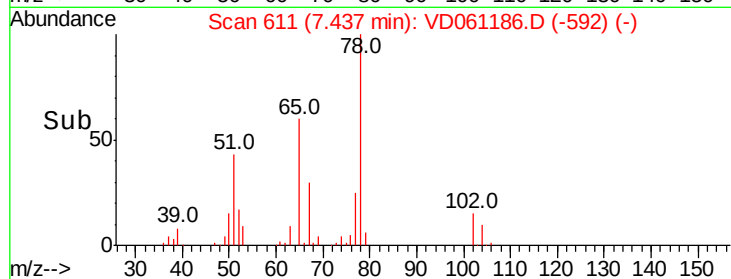
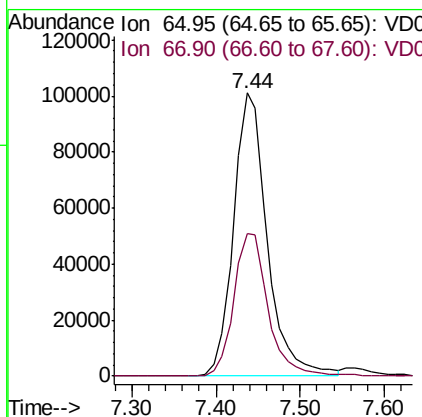
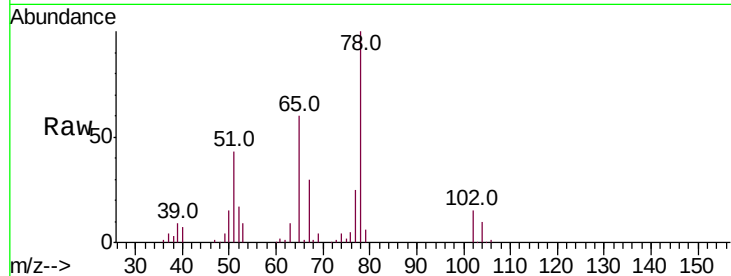




#33
 1,2-Dichloroethane-d4
 Concen: 20.534 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD061186.D
 Acq: 19 Mar 2019 15:44

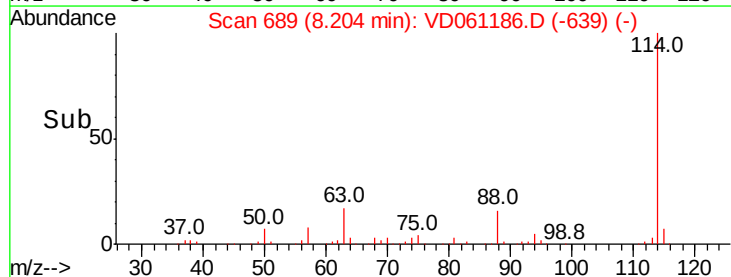
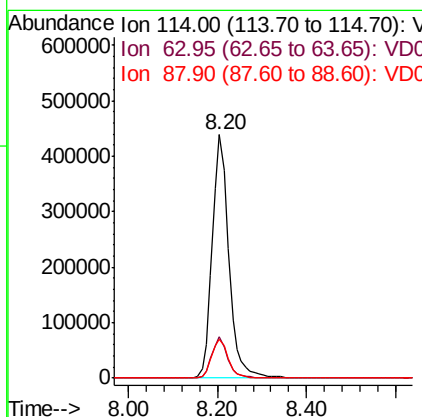
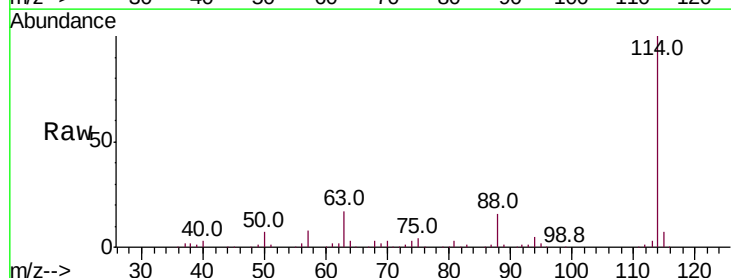
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0319SBS01

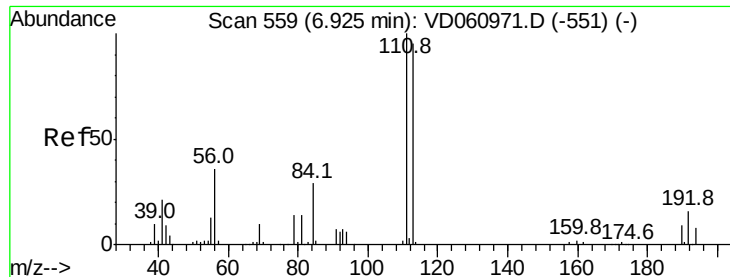
Tot Ion: 65 Resp: 280900
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 105.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.20 min Scan# 689
 Delta R.T. -0.01 min
 Lab File: VD061186.D
 Acq: 19 Mar 2019 15:44

Tgt Ion: 114 Resp: 1133954
 Ion Ratio Lower Upper
 114 100
 63 16.8 0.0 31.4
 88 16.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.91 min Scan# 558

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

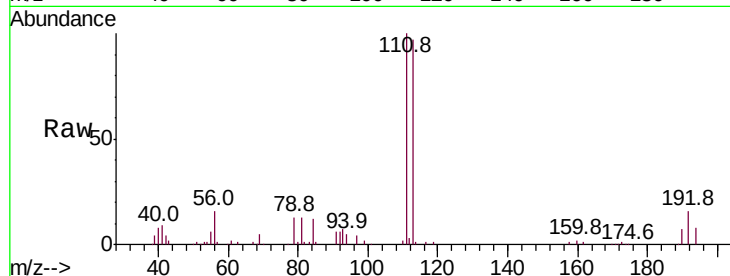
Tot Ion:113 Resp: 448125

Ion Ratio Lower Upper

113 100

111 103.0 84.2 126.4

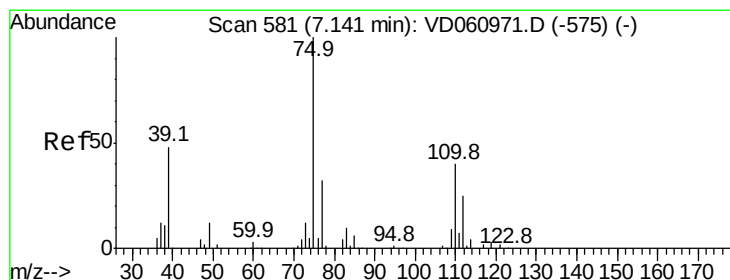
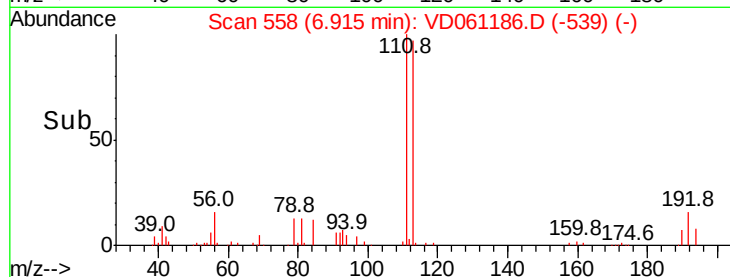
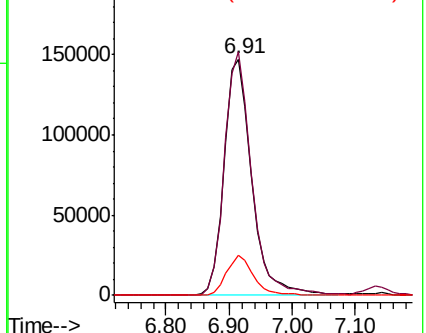
192 16.7 13.1 19.7



Abundance Ion 112.90 (112.60 to 113.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.569 ug/l

RT: 7.13 min Scan# 580

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

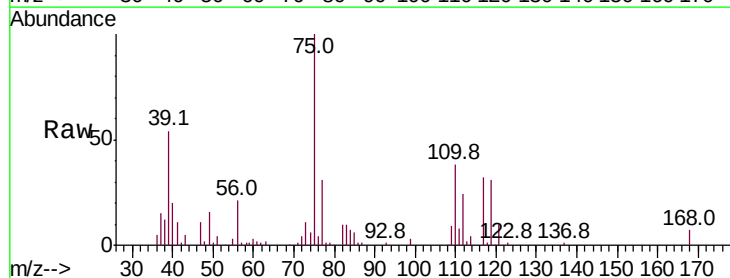
Tgt Ion: 75 Resp: 201053

Ion Ratio Lower Upper

75 100

110 37.7 19.7 59.1

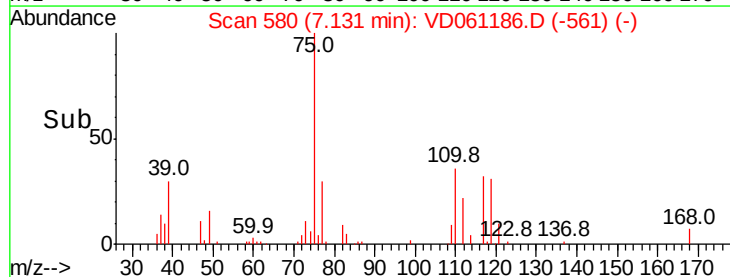
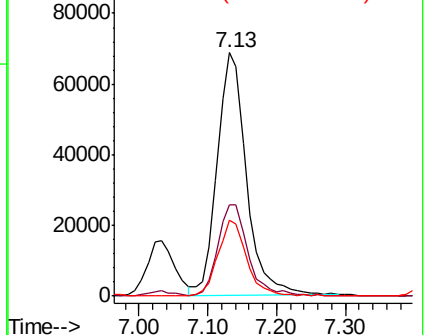
77 31.0 24.7 37.1

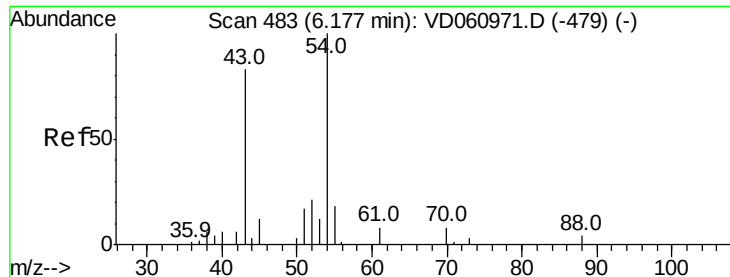


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

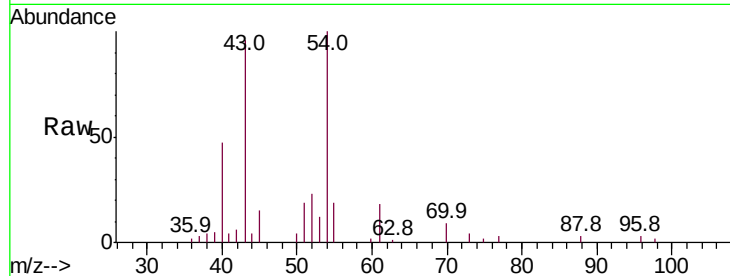




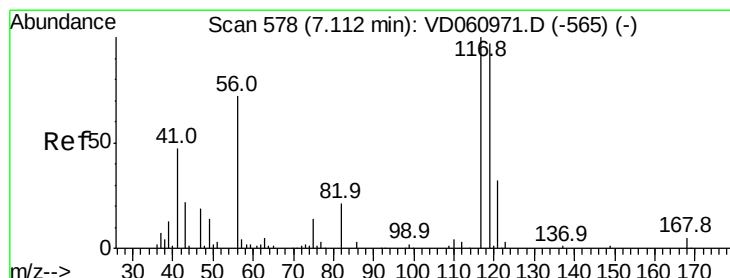
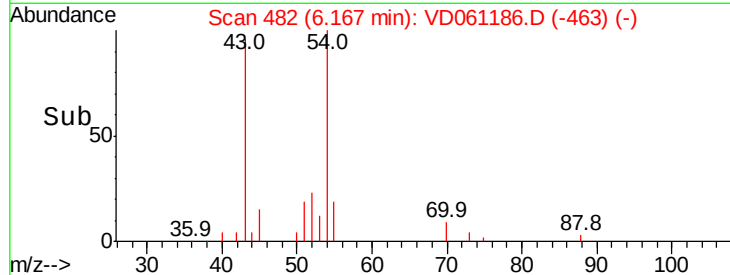
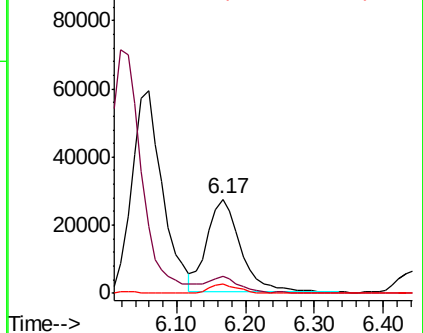
#37
Ethyl Acetate
Concen: 20.156 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.01 min
Lab File: VD061186.D
Acq: 19 Mar 2019 15:44

Instrument :
MSVOA_D
ClientSampleID :
VD0319SBS01

Tot Ion: 43 Resp: 92452
Ion Ratio Lower Upper
43 100
61 18.5 13.7 20.5
70 9.8 7.1 10.7

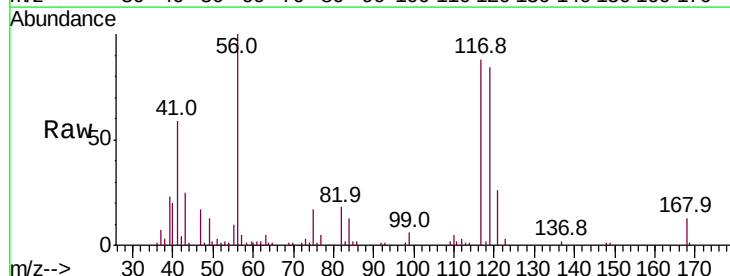


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 70.00 (69.70 to 70.70): VDC

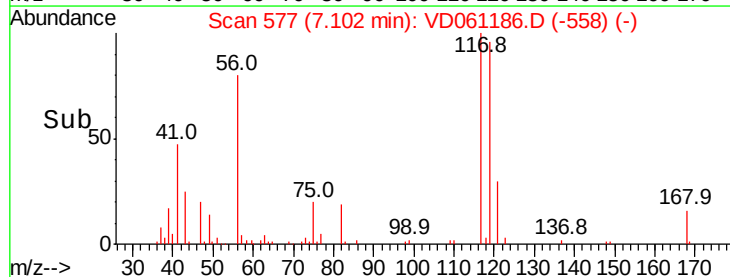
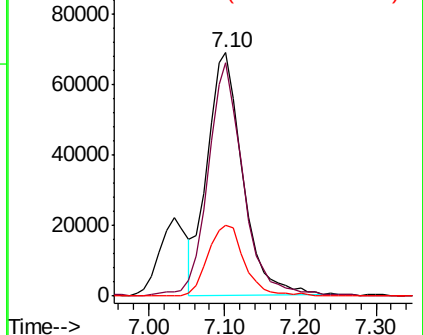


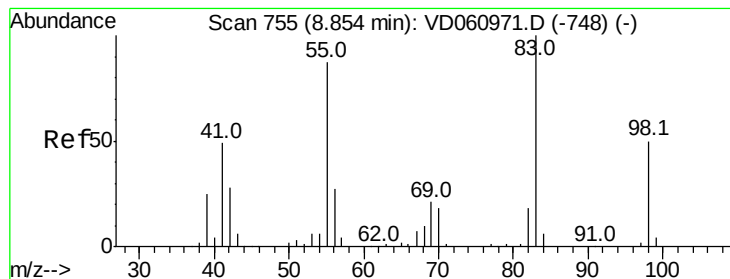
#38
Carbon Tetrachloride
Concen: 20.920 ug/l
RT: 7.10 min Scan# 577
Delta R.T. -0.01 min
Lab File: VD061186.D
Acq: 19 Mar 2019 15:44

Tgt Ion: 117 Resp: 225239
Ion Ratio Lower Upper
117 100
119 96.0 77.8 116.8
121 29.2 25.3 37.9



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





#39

Methylvlcyclohexane

Concen: 20.720 ug/l

RT: 8.85 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

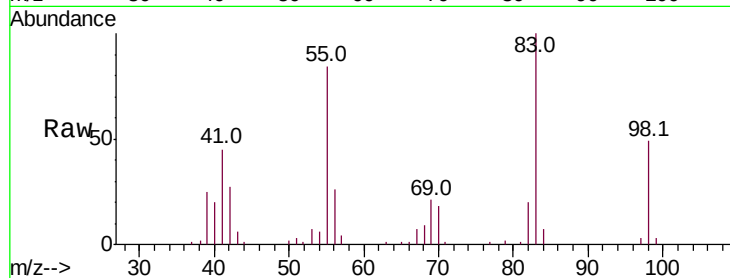
Tot Ion: 83 Resp: 210002

Ion Ratio Lower Upper

83 100

55 84.1 69.6 104.4

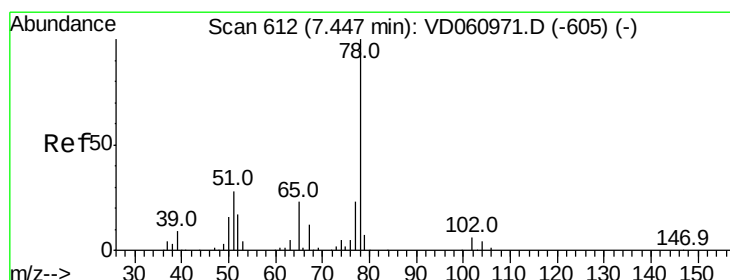
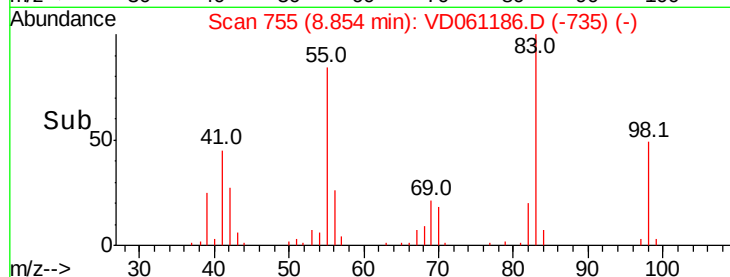
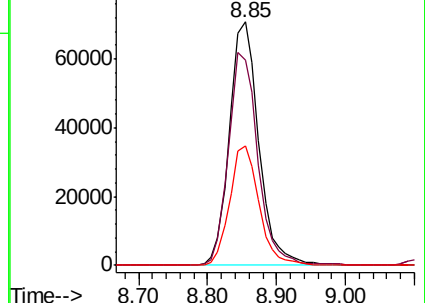
98 49.2 40.0 60.0



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: 20.742 ug/l

RT: 7.45 min Scan# 612

Delta R.T. -0.00 min

Lab File: VD061186.D

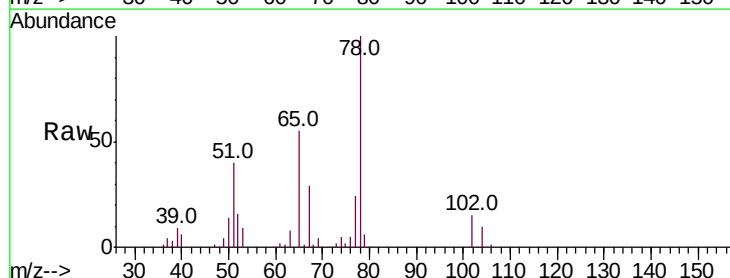
Acq: 19 Mar 2019 15:44

Tgt Ion: 78 Resp: 506602

Ion Ratio Lower Upper

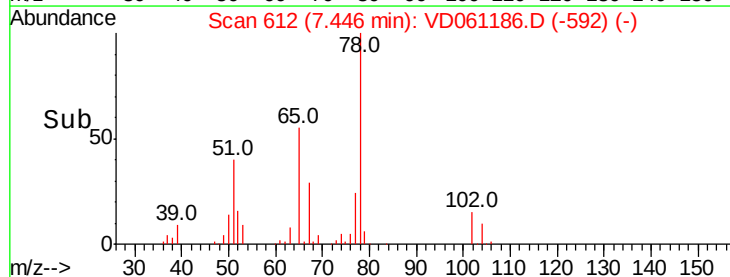
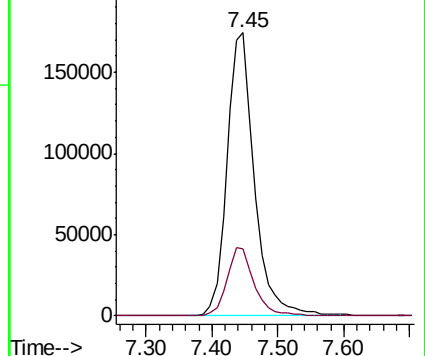
78 100

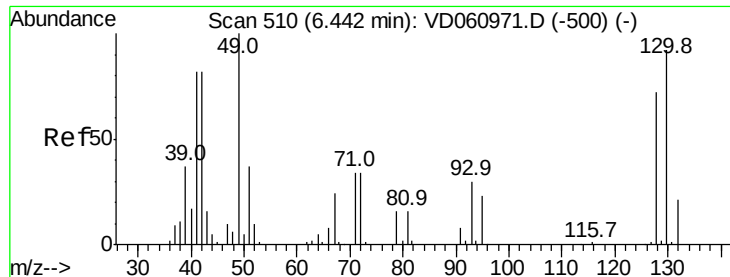
77 23.7 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

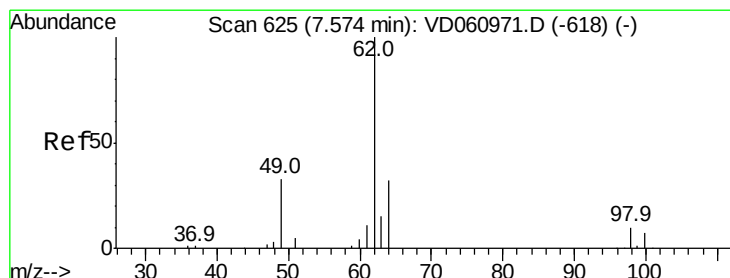
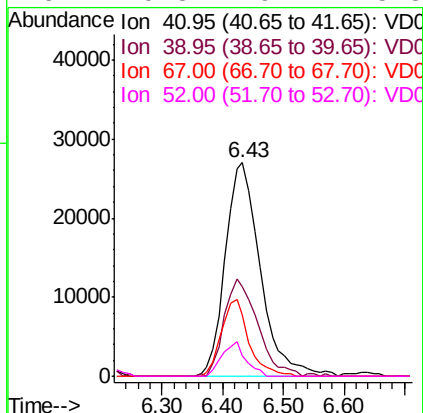
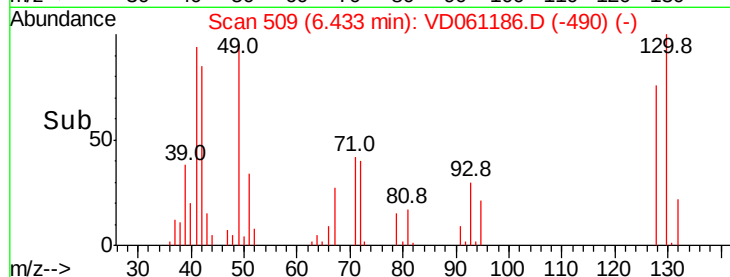
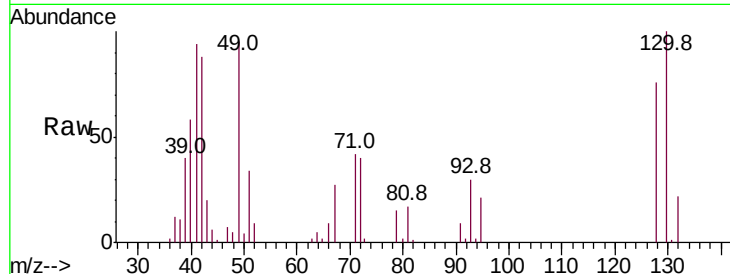




#41
Methacrylonitrile
Concen: 20.565 ug/l
RT: 6.43 min Scan# 509
Delta R.T. -0.01 min
Lab File: VD061186.D
Acq: 19 Mar 2019 15:44

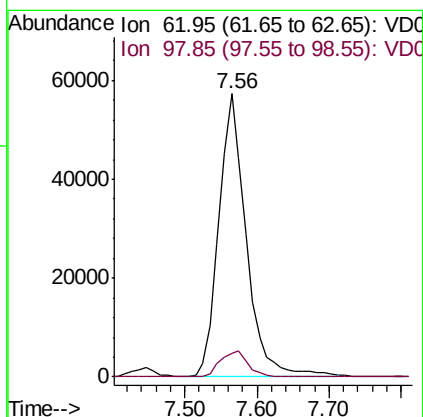
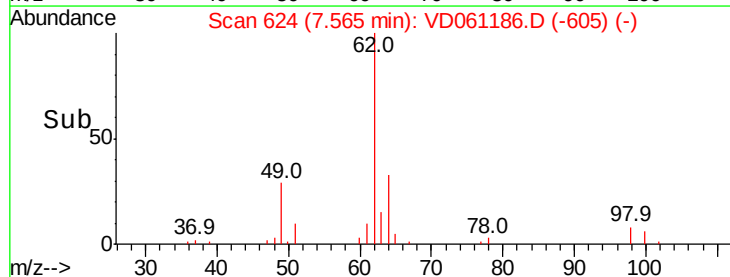
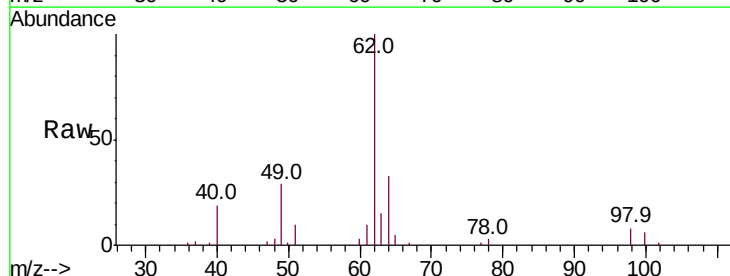
Instrument :
MSVOA_D
ClientSampleId :
VD0319SBS01

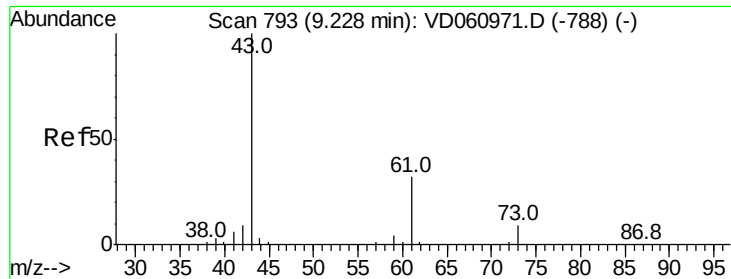
Tot Ion:	41	Resp:	108496
Ion	Ratio	Lower	Upper
41	100		
39	42.1	35.7	53.5
67	28.9	23.0	34.6
52	9.8	9.2	13.8



#42
1,2-Dichloroethane
Concen: 21.247 ug/l
RT: 7.56 min Scan# 624
Delta R.T. -0.01 min
Lab File: VD061186.D
Acq: 19 Mar 2019 15:44

Tgt Ion:	62	Resp:	150595
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	20.4





#43

Isopropyl Acetate

Concen: 20.684 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

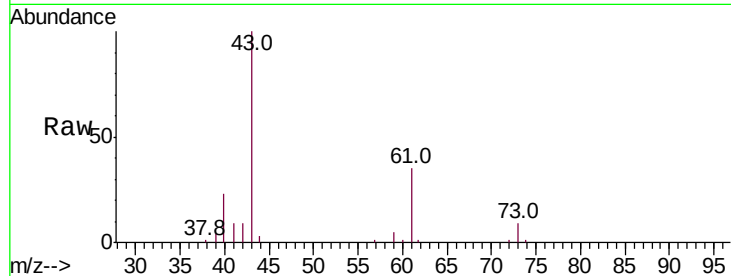
Tot Ion: 43 Resp: 131405

Ion Ratio Lower Upper

43 100

61 34.9 25.6 38.4

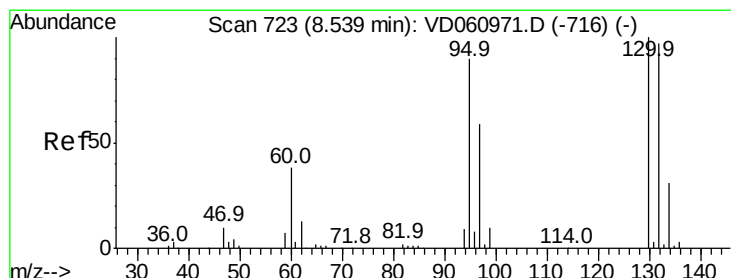
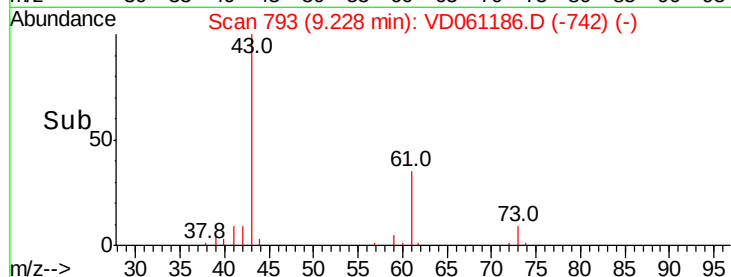
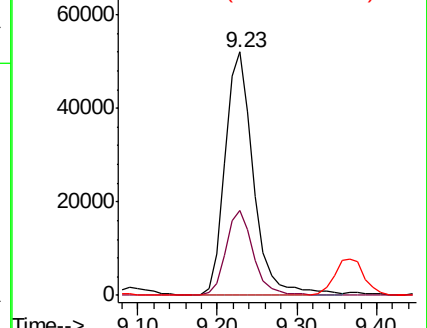
87 0.0 0.2 0.4#



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.842 ug/l

RT: 8.53 min Scan# 722

Delta R.T. -0.01 min

Lab File: VD061186.D

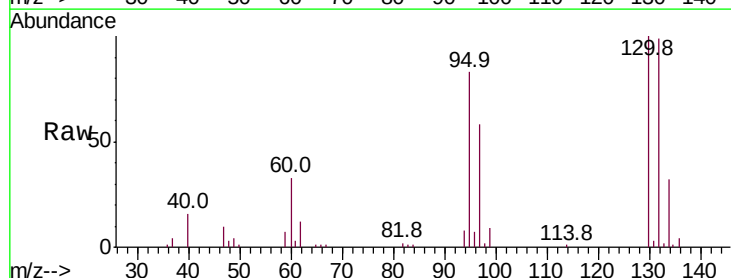
Acq: 19 Mar 2019 15:44

Tgt Ion:130 Resp: 184045

Ion Ratio Lower Upper

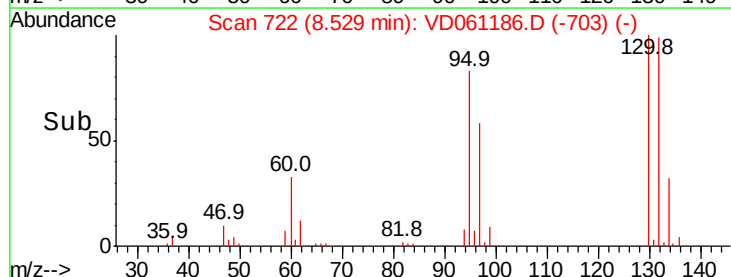
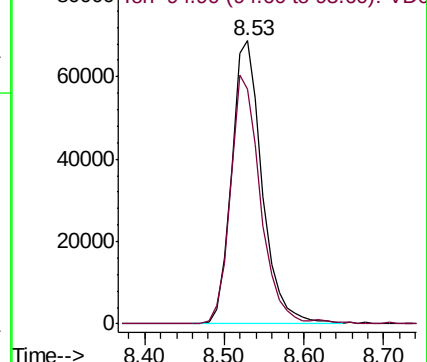
130 100

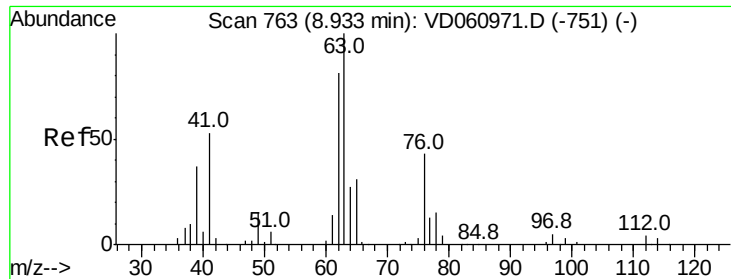
95 83.0 0.0 179.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 20.663 ug/l

RT: 8.92 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

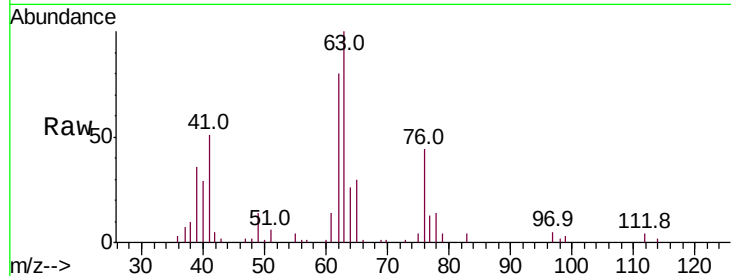
VD0319SBS01

Tot Ion: 63 Resp: 132590

Ion Ratio Lower Upper

63 100

65 30.2 24.8 37.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.92

50000

40000

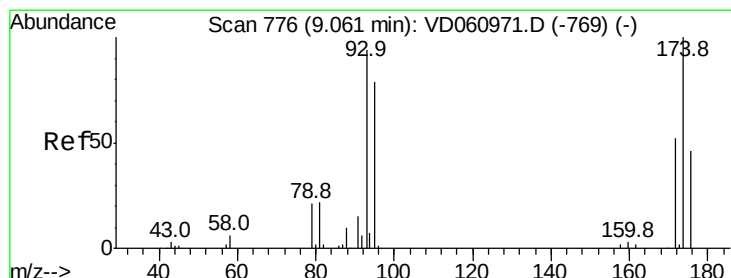
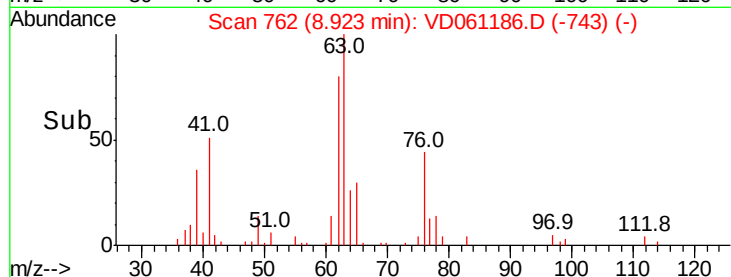
30000

20000

10000

0

Time--> 8.70 8.80 8.90 9.00 9.10



#46

Dibromomethane

Concen: 20.031 ug/l

RT: 9.05 min Scan# 775

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

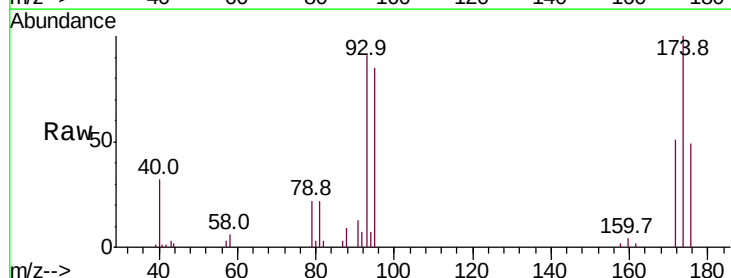
Tgt Ion: 93 Resp: 81534

Ion Ratio Lower Upper

93 100

95 93.5 67.4 101.0

174 110.2 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

50000

40000

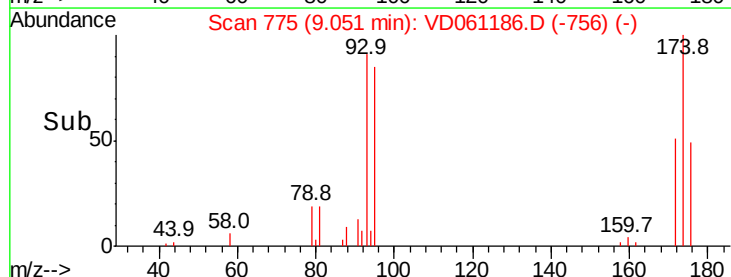
30000

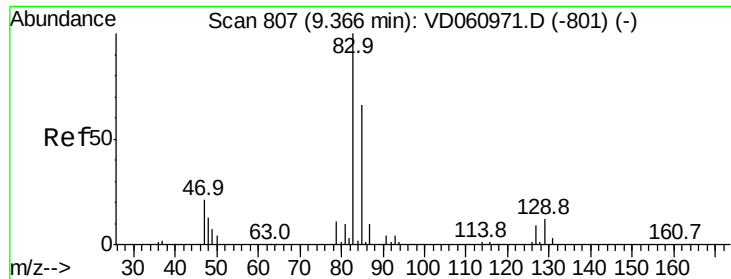
20000

10000

0

Time--> 8.90 9.00 9.10 9.20





#47

Bromodichloromethane

Concen: 21.049 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

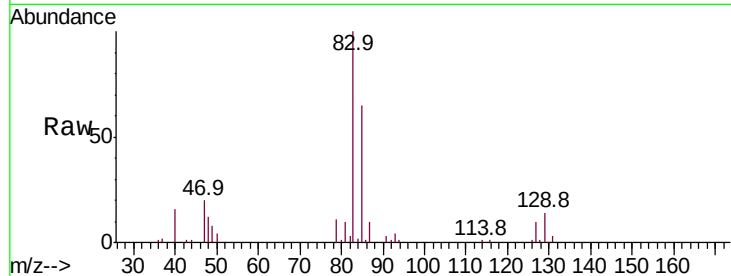
Tot Ion: 83 Resp: 193332

Ion Ratio Lower Upper

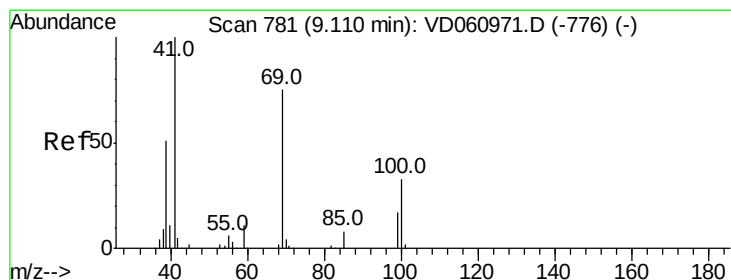
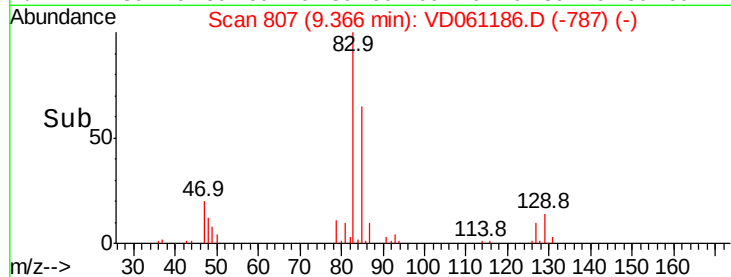
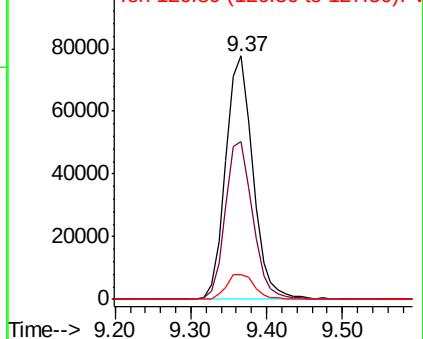
83 100

85 64.9 52.5 78.7

127 10.4 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: 21.514 ug/l

RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

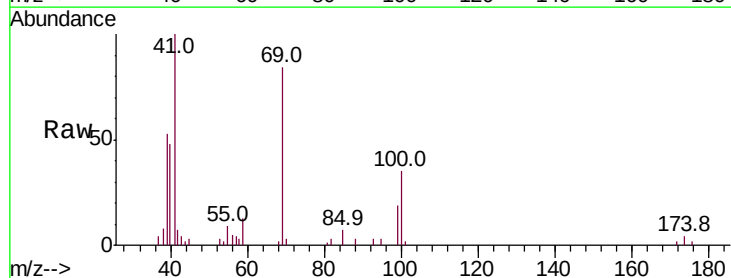
Tgt Ion: 41 Resp: 76954

Ion Ratio Lower Upper

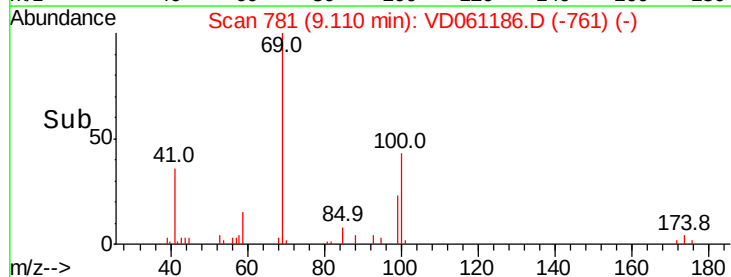
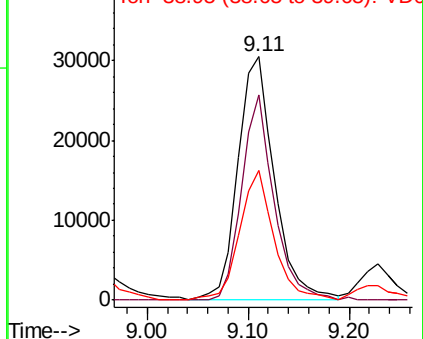
41 100

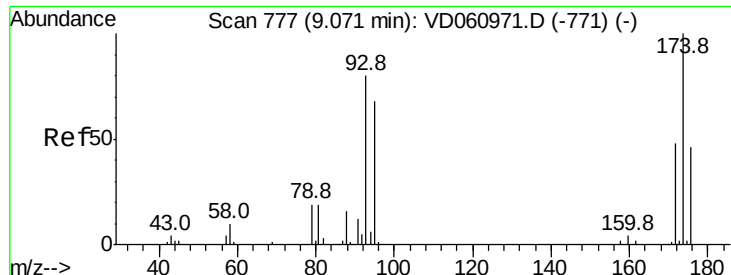
69 84.4 59.9 89.9

39 53.2 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

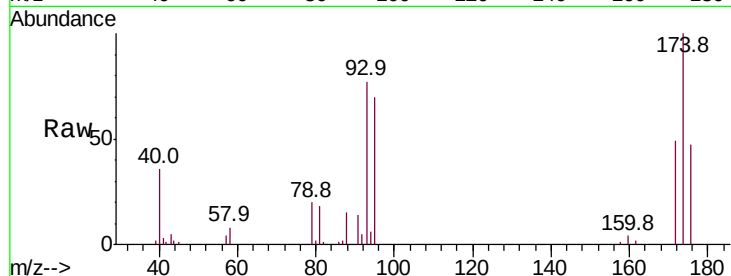




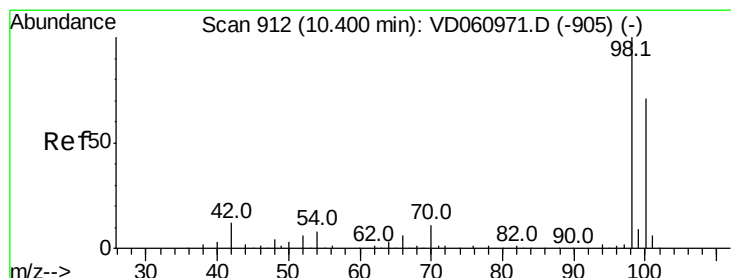
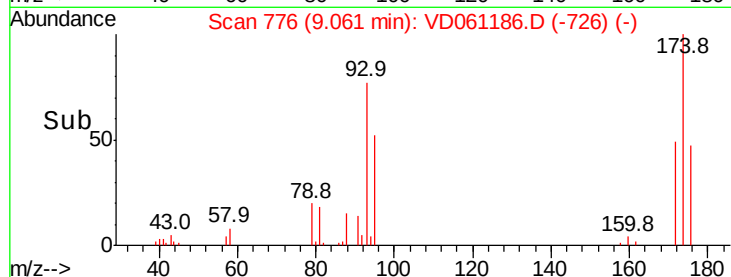
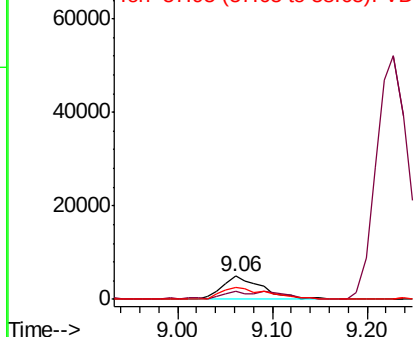
#49
1,4-Dioxane
Concen: 400.036 ug/l
RT: 9.06 min Scan# 776
Delta R.T. -0.01 min
Lab File: VD061186.D
Acq: 19 Mar 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0319SBS01

Tot Ion: 88 Resp: 14469
Ion Ratio Lower Upper
88 100
43 35.1 21.0 31.6#
58 53.9 48.6 72.8

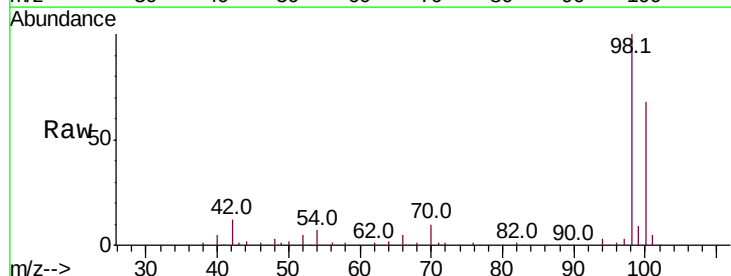


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

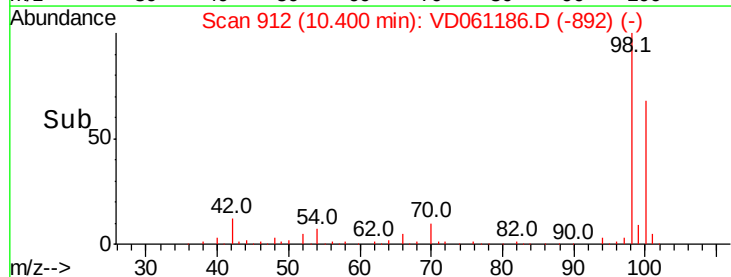
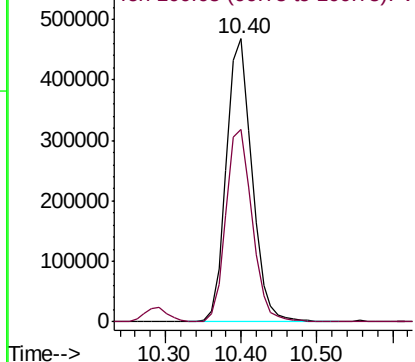


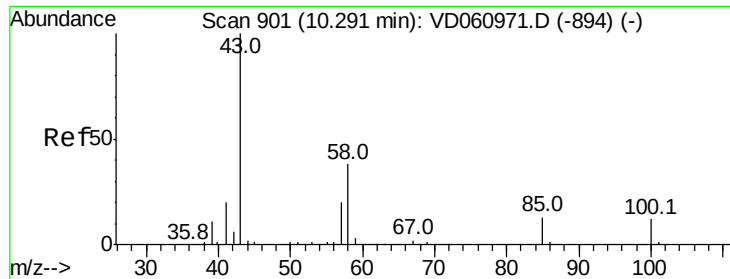
#50
Toluene-d8
Concen: 400.036 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD061186.D
Acq: 19 Mar 2019 15:44

Tgt Ion: 98 Resp: 1097013
Ion Ratio Lower Upper
98 100
100 68.1 57.4 86.2



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





#51

4-Methyl-2-Pentanone

Concen: 110.246 ug/l

RT: 10.28 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

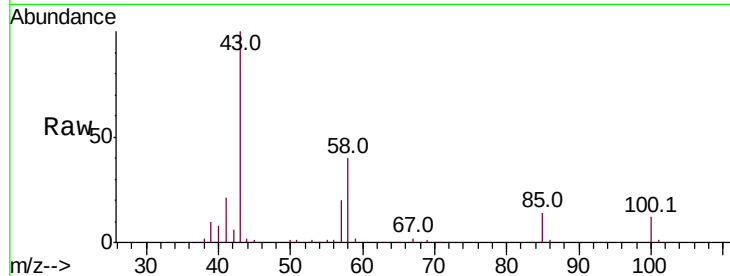
VD0319SBS01

Tot Ion: 43 Resp: 429074

Ion Ratio Lower Upper

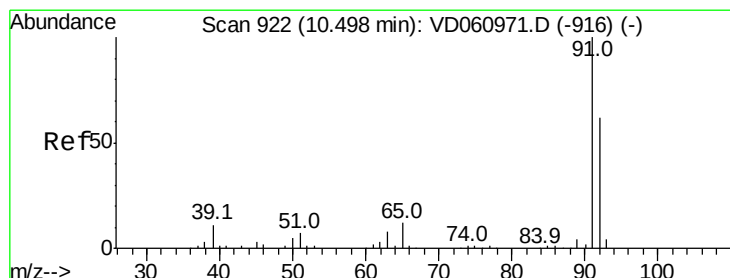
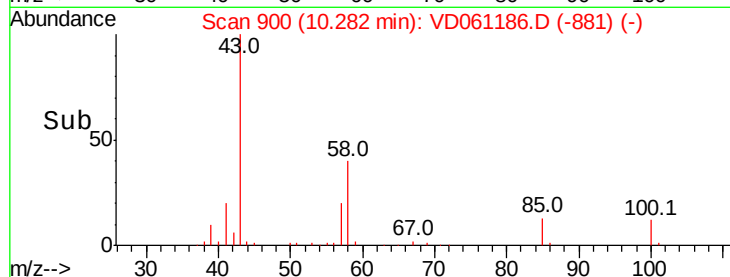
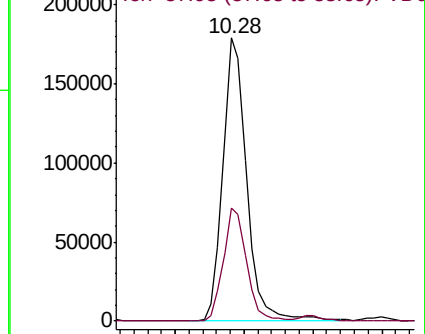
43 100

58 40.2 30.2 45.2



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.979 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD061186.D

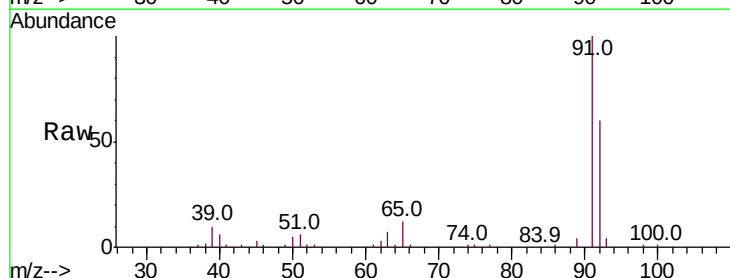
Acq: 19 Mar 2019 15:44

Tgt Ion: 92 Resp: 333813

Ion Ratio Lower Upper

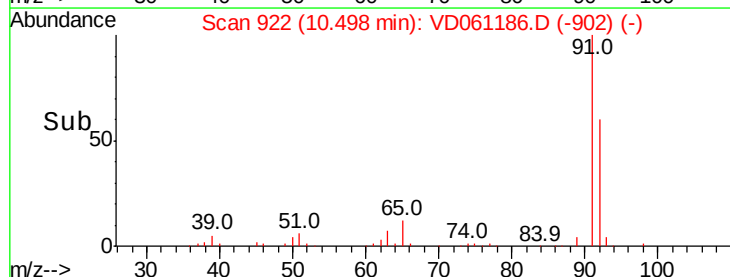
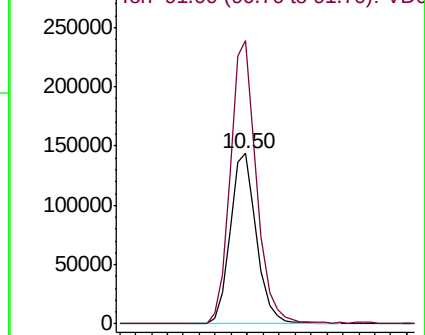
92 100

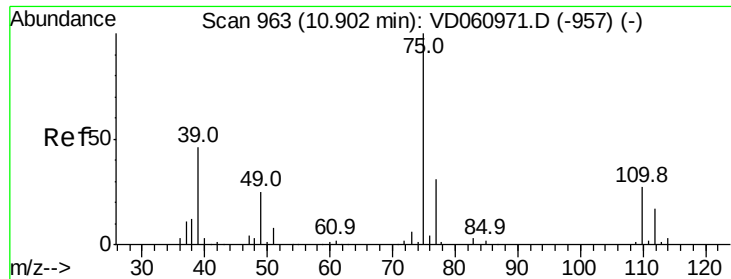
91 165.9 129.8 194.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

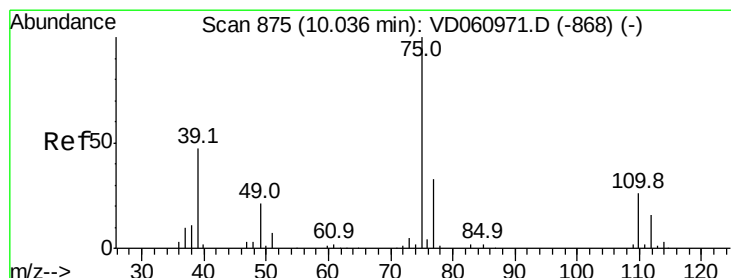
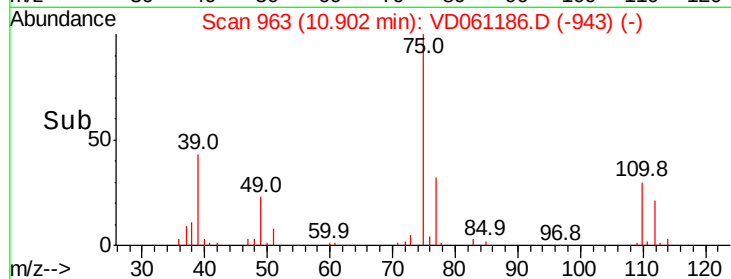
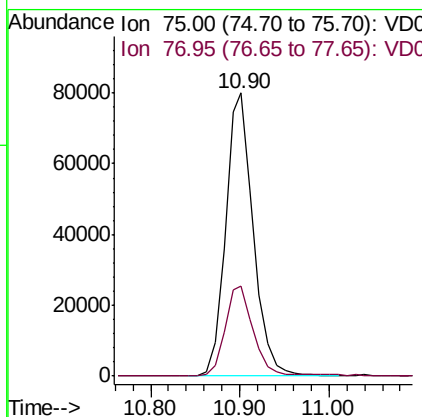
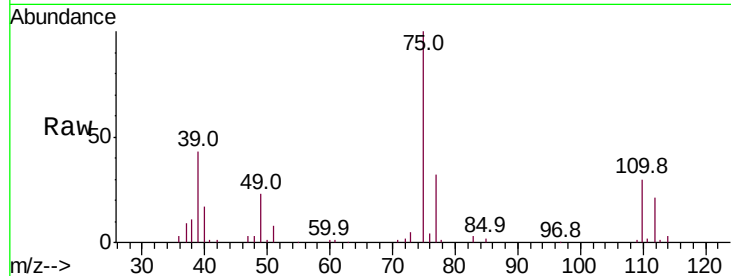




#53
 t-1,3-Dichloropropene
 Concen: 20.572 ug/l
 RT: 10.90 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: VD061186.D
 Acq: 19 Mar 2019 15:44

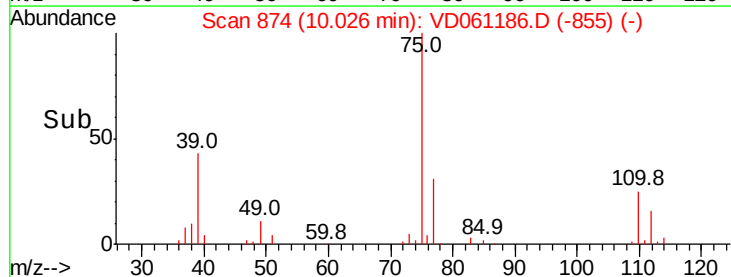
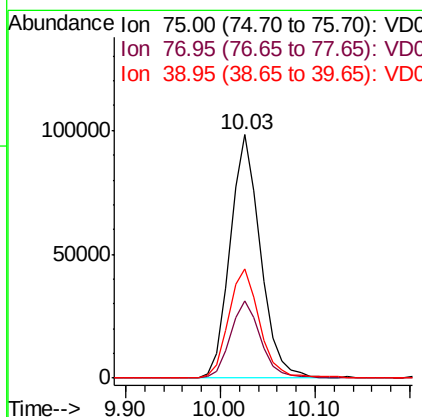
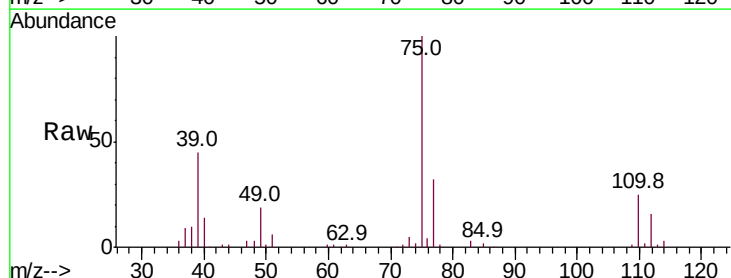
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0319SBS01

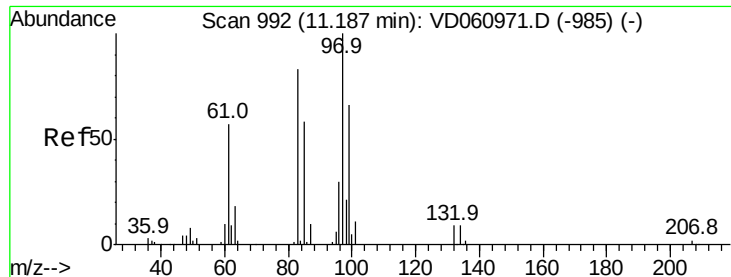
Tot Ion: 75 Resp: 172777
 Ion Ratio Lower Upper
 75 100
 77 31.8 24.7 37.1



#54
 cis-1,3-Dichloropropene
 Concen: 21.518 ug/l
 RT: 10.03 min Scan# 874
 Delta R.T. -0.01 min
 Lab File: VD061186.D
 Acq: 19 Mar 2019 15:44

Tgt Ion: 75 Resp: 217144
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.2 39.4
 39 44.7 37.8 56.8





#55

1,1,2-Trichloroethane

Concen: 20.404 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

Tot Ion: 97 Resp: 103198

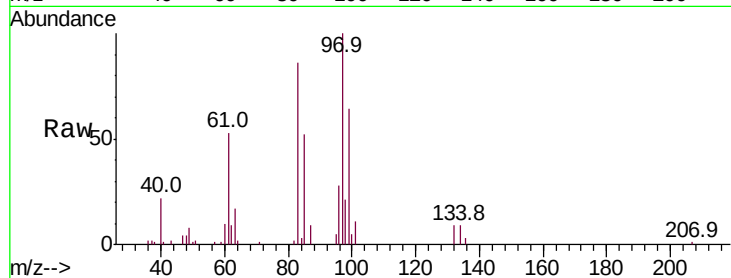
Ion Ratio Lower Upper

97 100

83 86.1 66.6 100.0

85 52.4 46.4 69.6

99 63.9 52.4 78.6

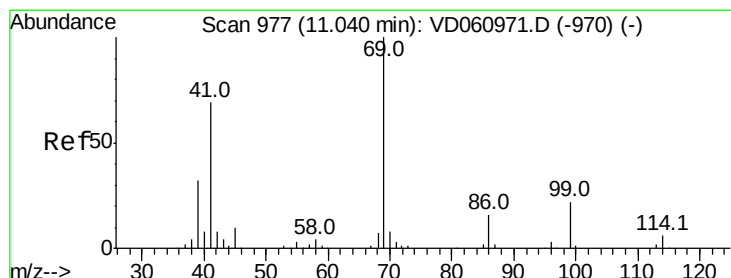
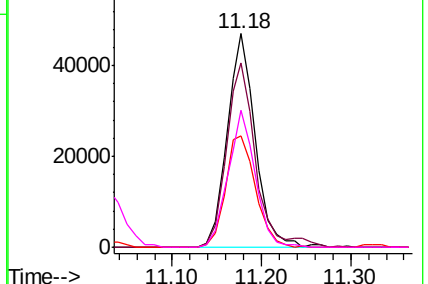
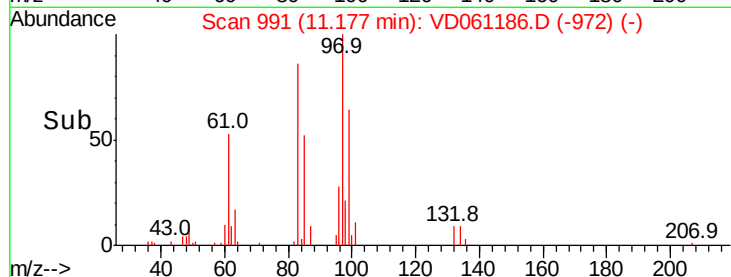


Abundance Ion 96.85 (96.55 to 97.55): VDC

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: 22.578 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

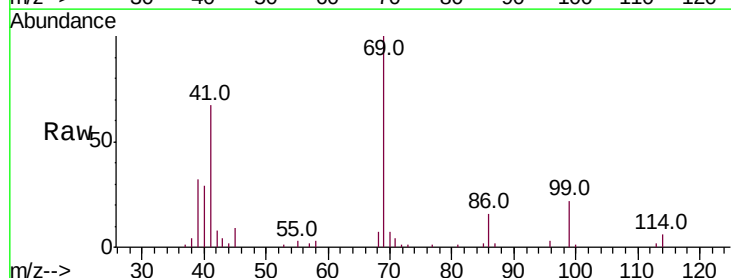
Tgt Ion: 69 Resp: 119531

Ion Ratio Lower Upper

69 100

41 67.3 55.5 83.3

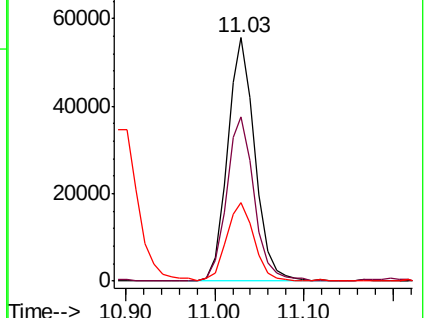
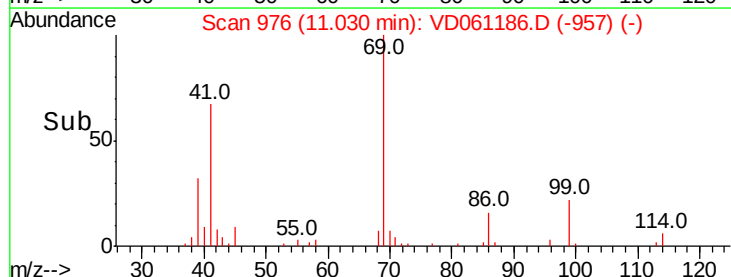
39 32.3 26.2 39.2

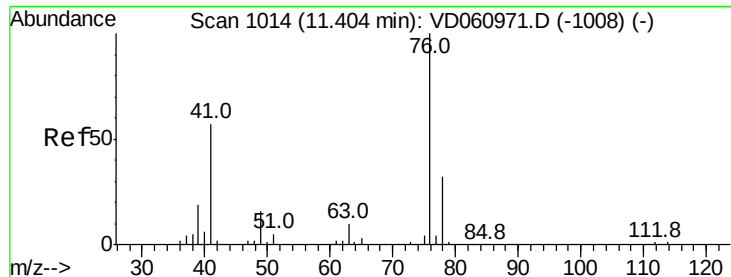


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 21.155 ug/l

RT: 11.39 min Scan# 1013

Delta R.T. -0.01 min

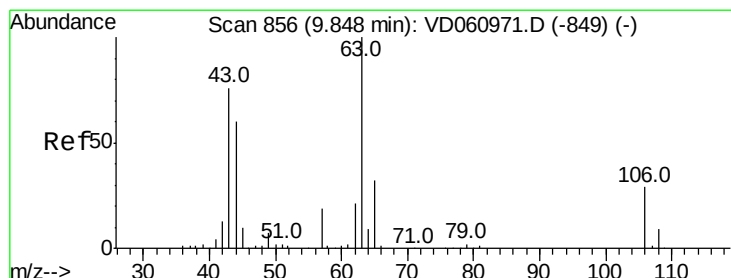
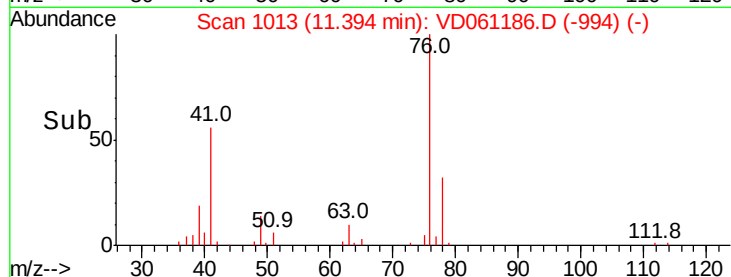
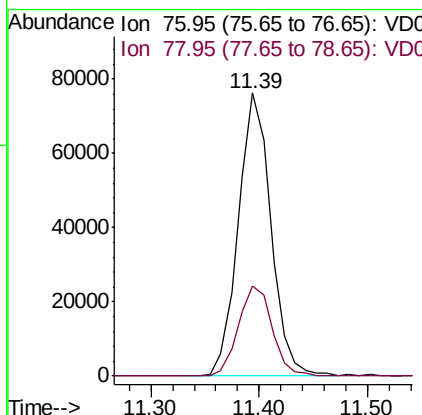
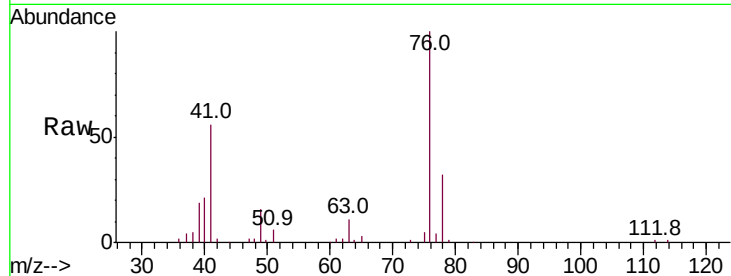
Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0319SBS01

Tot Ion: 76 Resp: 159902

Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.4	38.0



#58

2-Chloroethyl Vinyl ether

Concen: 96.111 ug/l

RT: 9.85 min Scan# 856

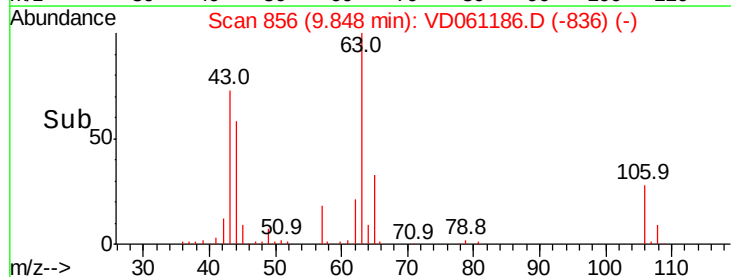
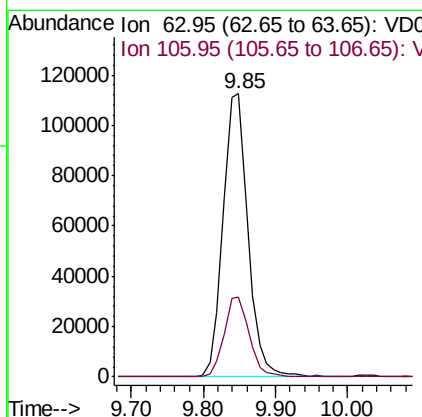
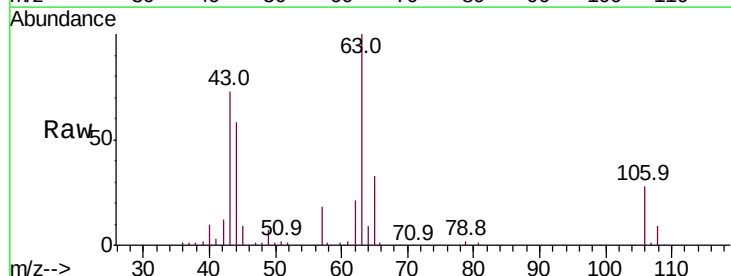
Delta R.T. -0.00 min

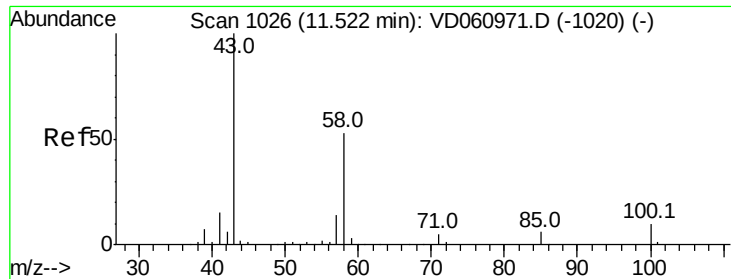
Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Tgt Ion: 63 Resp: 269331

Ion	Ratio	Lower	Upper
63	100		
106	28.2	22.8	34.2

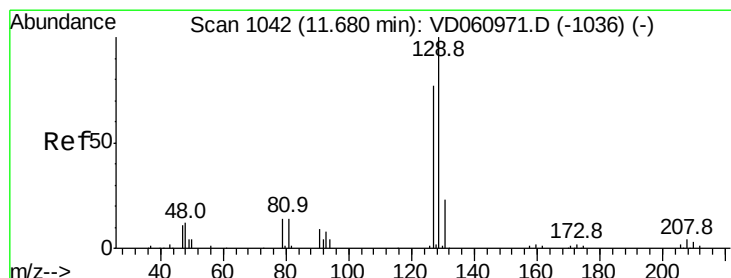
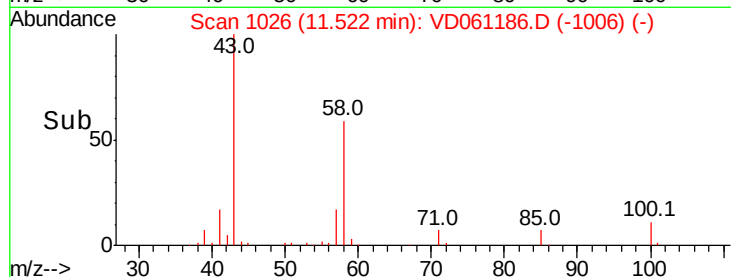
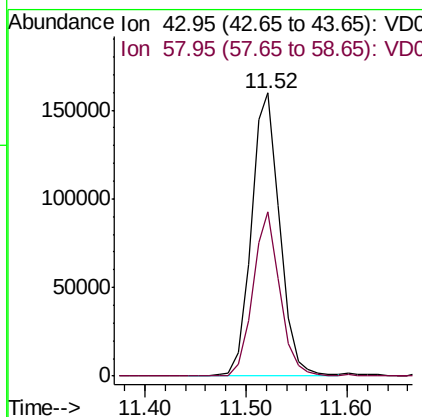
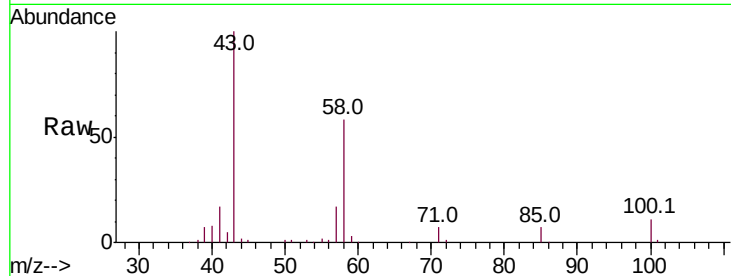




#59
2-Hexanone
Concen: 109.710 ug/l
RT: 11.52 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD061186.D
Acq: 19 Mar 2019 15:44

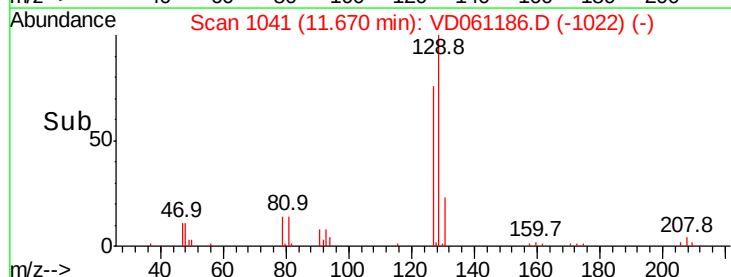
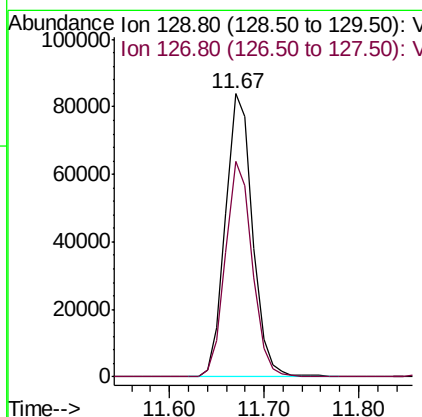
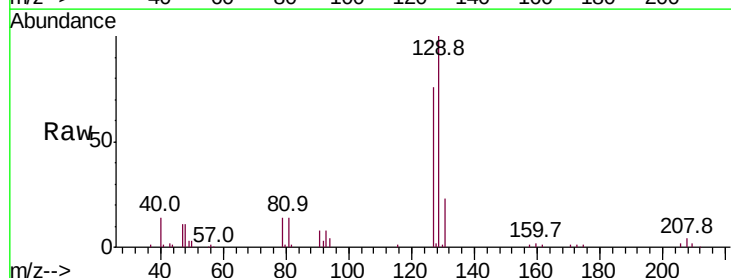
Instrument :
MSVOA_D
ClientSampleId :
VD0319SBS01

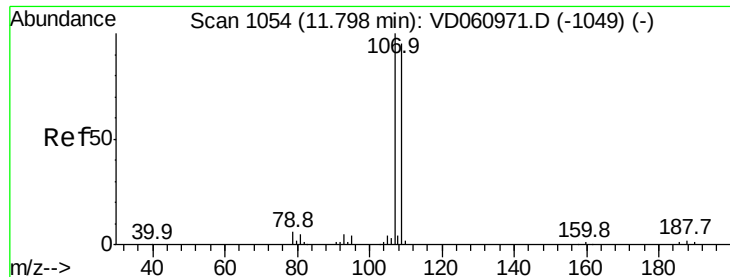
Tot Ion: 43 Resp: 312339
Ion Ratio Lower Upper
43 100
58 58.1 26.5 79.5



#60
Dibromochloromethane
Concen: 22.380 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD061186.D
Acq: 19 Mar 2019 15:44

Tgt Ion: 129 Resp: 166589
Ion Ratio Lower Upper
129 100
127 76.2 38.3 114.9

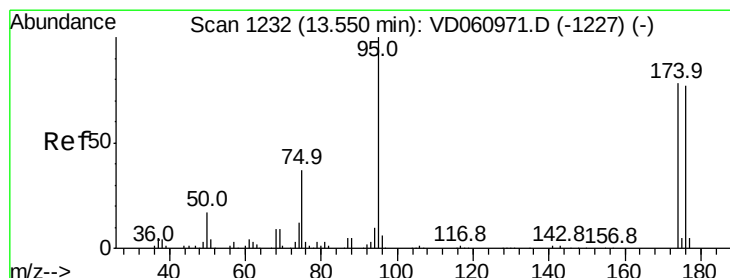
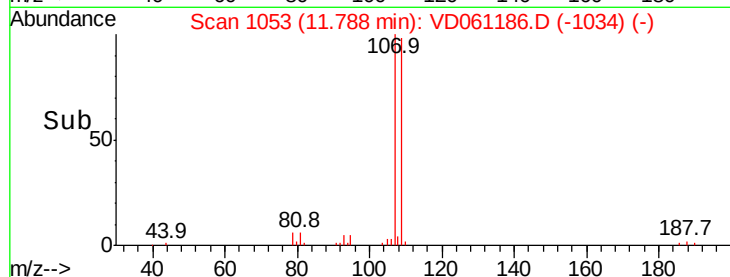
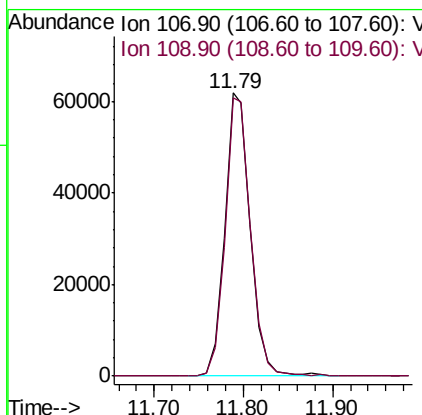
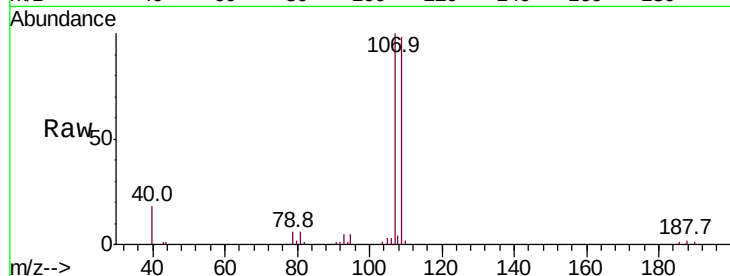




#61
 1,2-Dibromoethane
 Concen: 21.111 ug/l
 RT: 11.79 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD061186.D
 Acq: 19 Mar 2019 15:44

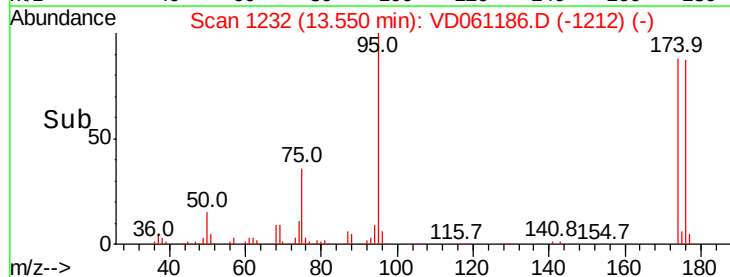
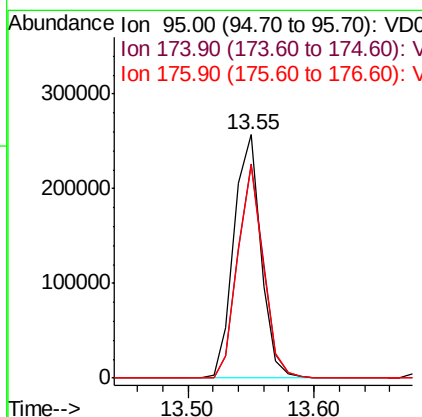
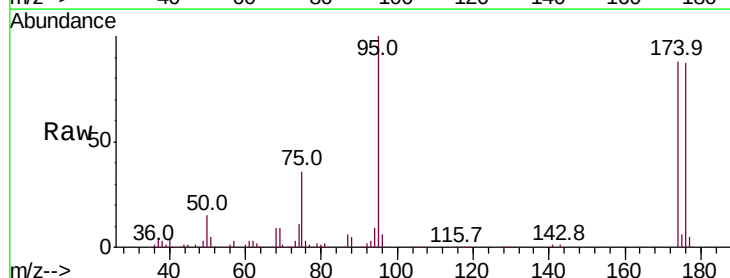
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0319SBS01

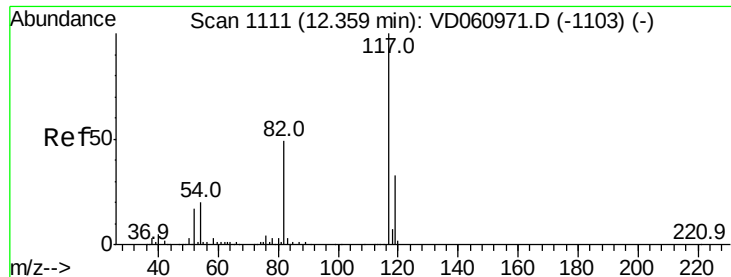
Tot Ion:107 Resp: 124209
 Ion Ratio Lower Upper
 107 100
 109 98.4 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 21.111 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD061186.D
 Acq: 19 Mar 2019 15:44

Tgt Ion: 95 Resp: 378675
 Ion Ratio Lower Upper
 95 100
 174 88.0 0.0 155.6
 176 87.5 0.0 153.8

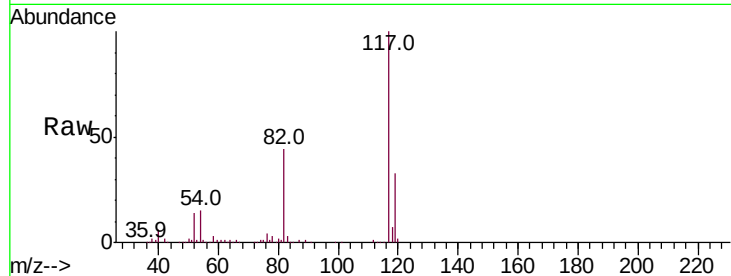




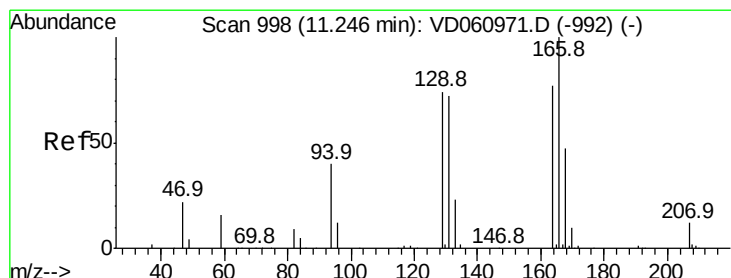
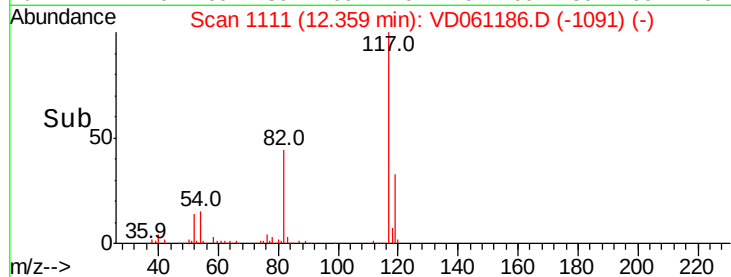
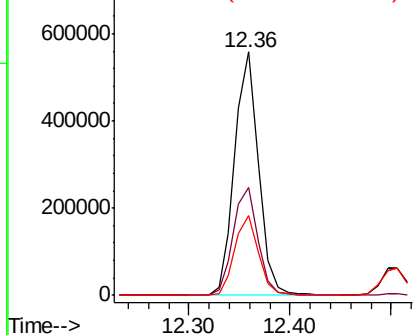
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061186.D
Acq: 19 Mar 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0319SBS01

Tot Ion:117 Resp: 921977
Ion Ratio Lower Upper
117 100
82 44.4 38.9 58.3
119 32.7 26.6 39.8

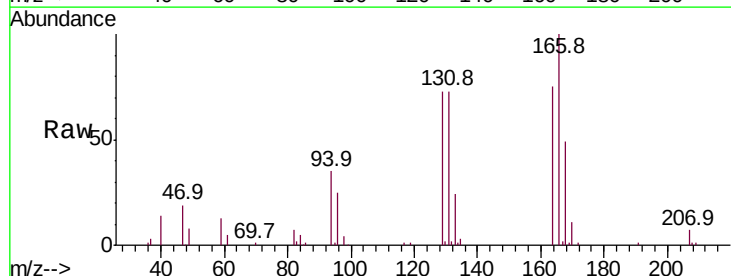


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

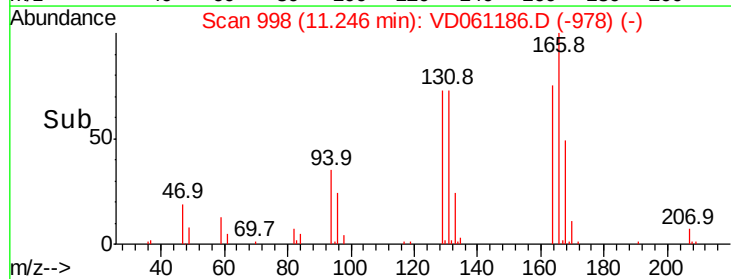
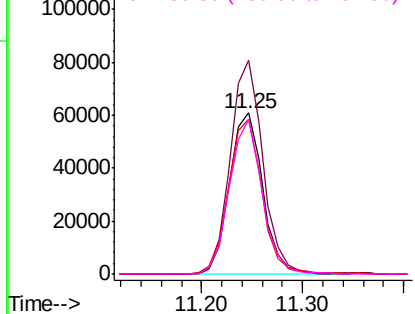


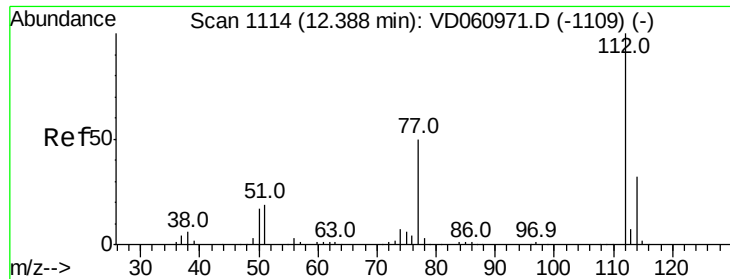
#64
Tetrachloroethene
Concen: 22.332 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD061186.D
Acq: 19 Mar 2019 15:44

Tgt Ion:164 Resp: 138989
Ion Ratio Lower Upper
164 100
166 132.5 103.4 155.0
129 96.3 76.9 115.3
131 96.1 74.4 111.6



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

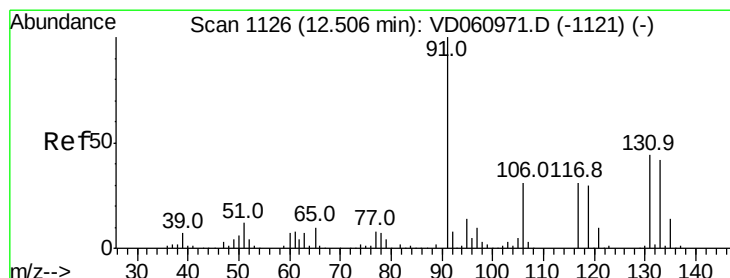
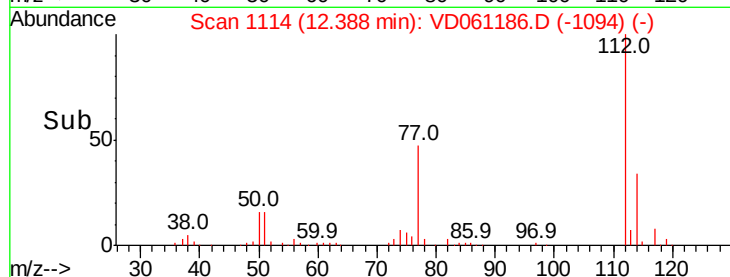
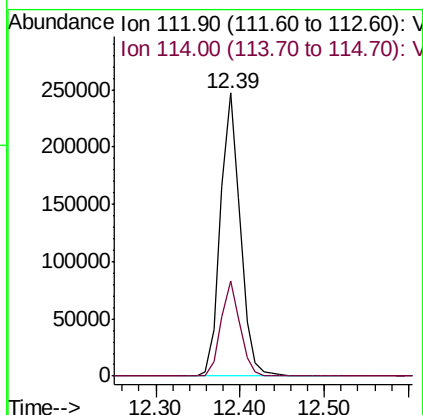
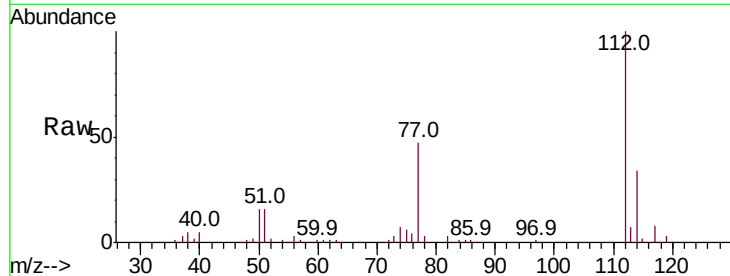




#65
Chlorobenzene
Concen: 22.289 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD061186.D
Acq: 19 Mar 2019 15:44

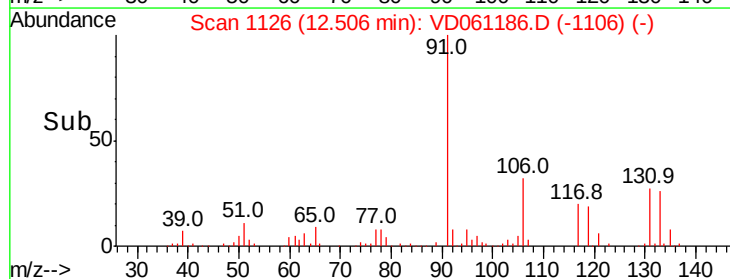
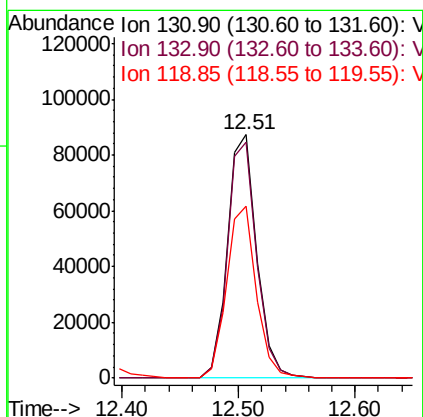
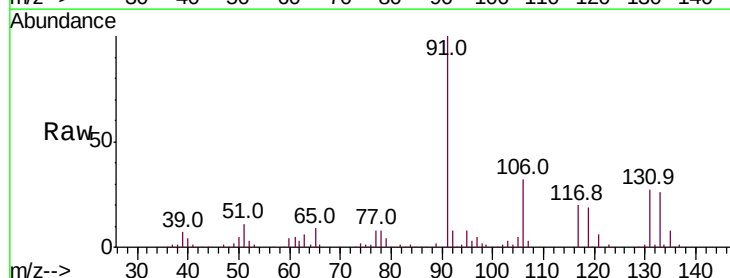
Instrument :
MSVOA_D
ClientSampled :
VD0319SBS01

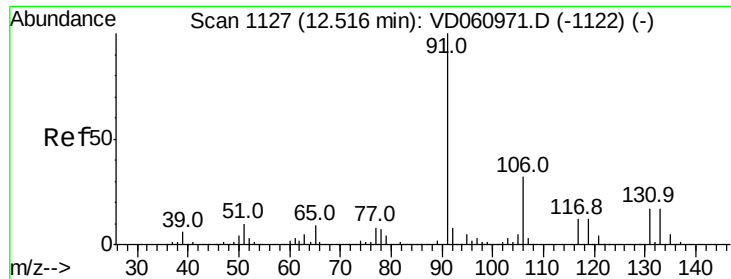
Tot Ion:112 Resp: 402871
Ion Ratio Lower Upper
112 100
114 33.8 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 23.542 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061186.D
Acq: 19 Mar 2019 15:44

Tgt Ion:131 Resp: 151674
Ion Ratio Lower Upper
131 100
133 97.1 47.8 143.3
119 70.5 34.3 102.9

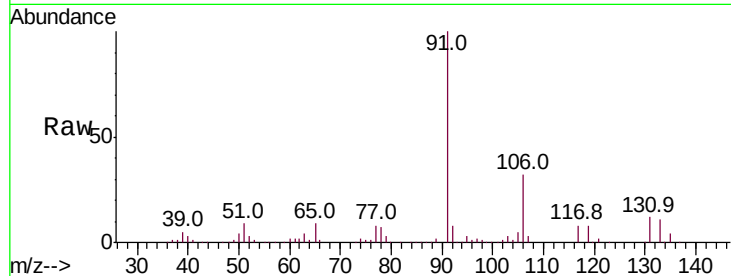




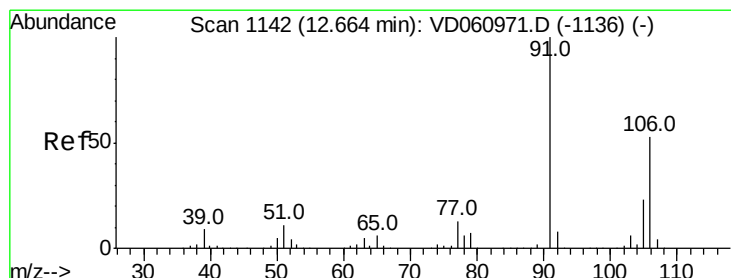
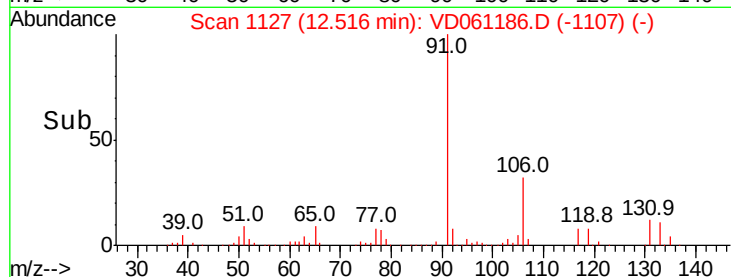
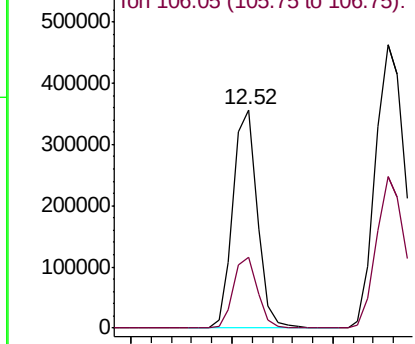
#67
Ethyl Benzene
Concen: 22.292 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD061186.D
Acq: 19 Mar 2019 15:44

Instrument :
MSVOA_D
ClientSampleID :
VD0319SBS01

Tot Ion: 91 Resp: 599862
Ion Ratio Lower Upper
91 100
106 32.5 25.7 38.5

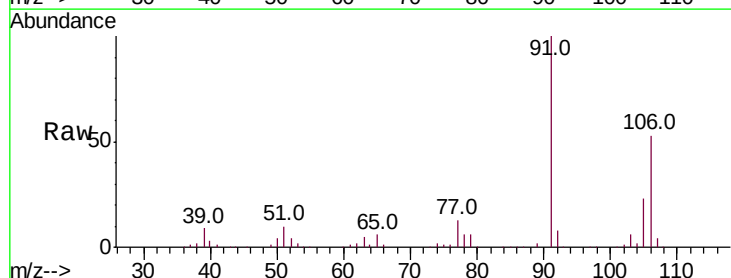


Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 106.05 (105.75 to 106.75): V

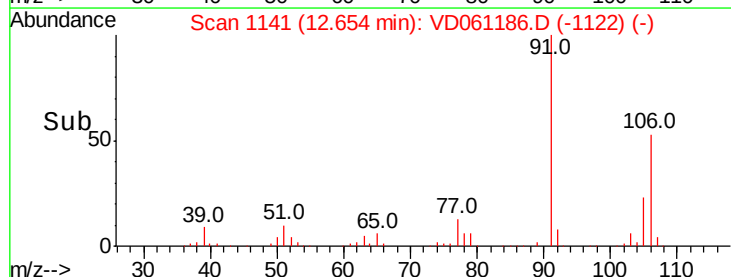
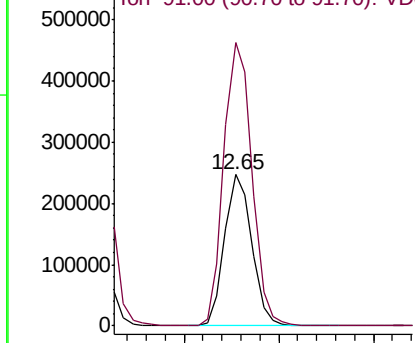


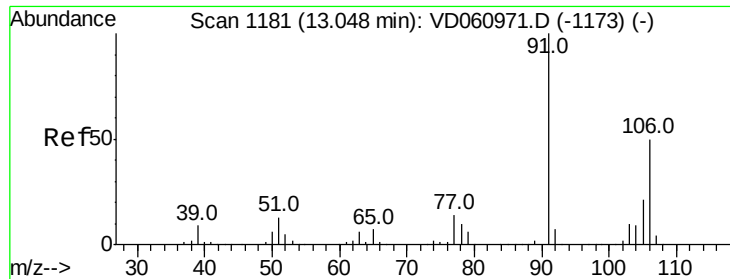
#68
m/p-Xylenes
Concen: 46.668 ug/l
RT: 12.65 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061186.D
Acq: 19 Mar 2019 15:44

Tgt Ion:106 Resp: 492886
Ion Ratio Lower Upper
106 100
91 187.5 152.0 228.0



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

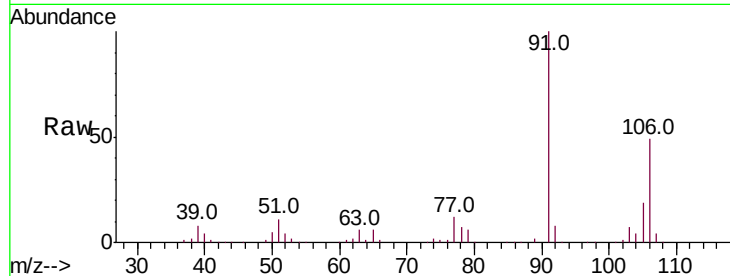




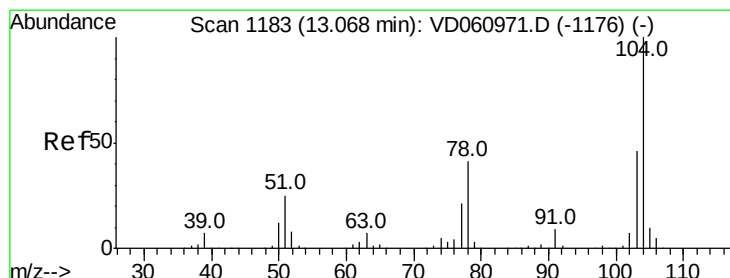
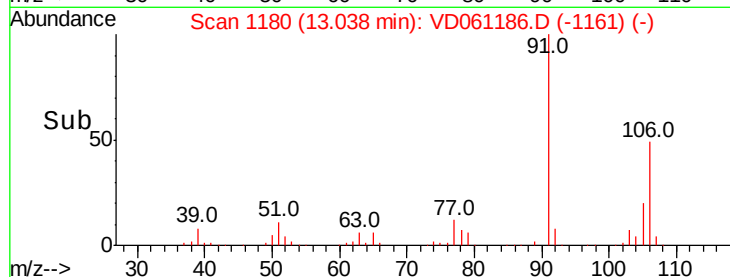
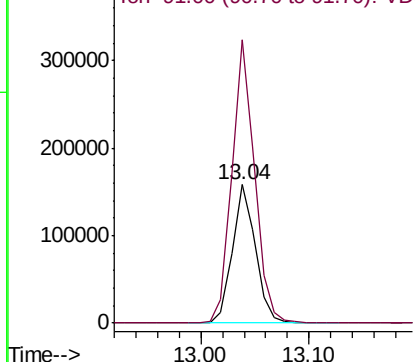
#69
o-Xylene
Concen: 22.731 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.01 min
Lab File: VD061186.D
Acq: 19 Mar 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0319SBS01

Tot Ion:106 Resp: 235983
Ion Ratio Lower Upper
106 100
91 204.8 99.8 299.3

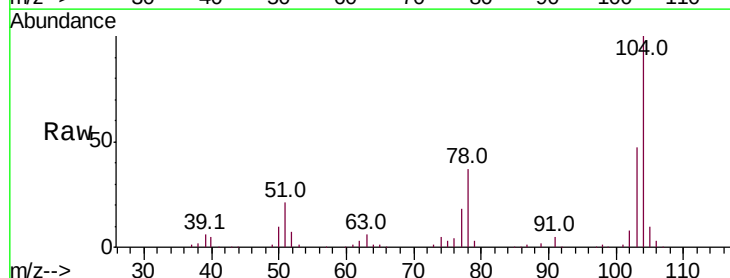


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

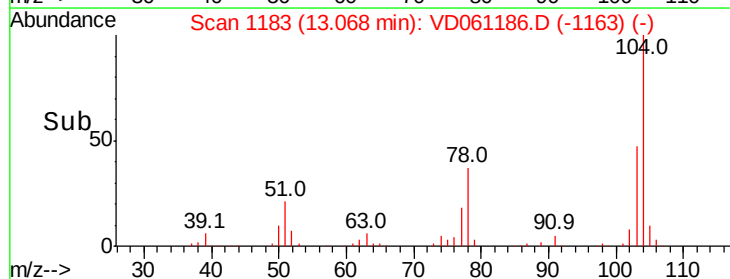
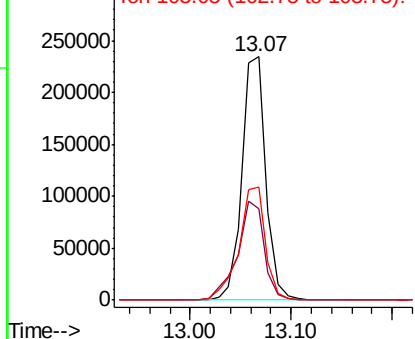


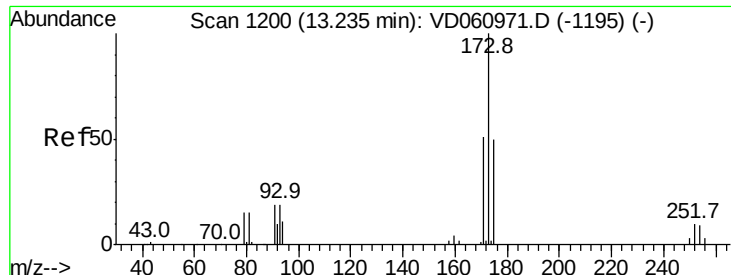
#70
Styrene
Concen: 22.793 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061186.D
Acq: 19 Mar 2019 15:44

Tgt Ion:104 Resp: 386383
Ion Ratio Lower Upper
104 100
78 37.5 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: 22.050 ug/l

RT: 13.23 min Scan# 1199

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

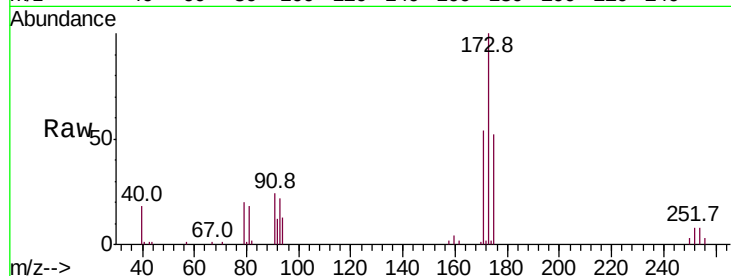
Tot Ion:173 Resp: 91644

Ion Ratio Lower Upper

173 100

175 52.3 24.9 74.8

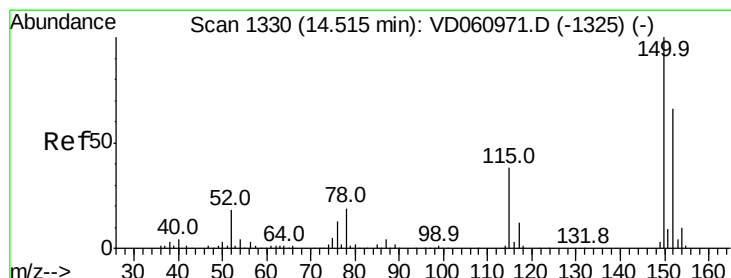
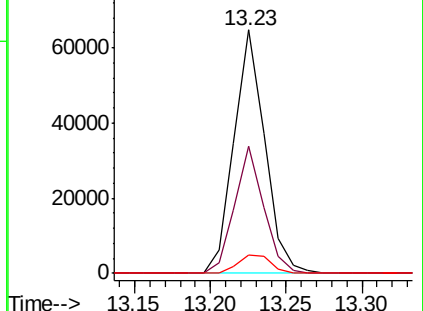
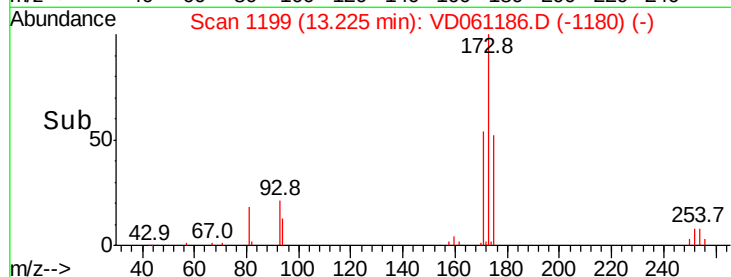
254 7.6 7.3 10.9



Abundance Ion 172.80 (172.50 to 173.50): V

Ion 174.80 (174.50 to 175.50): V

Ion 253.70 (253.40 to 254.40): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.51 min Scan# 1330

Delta R.T. -0.00 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

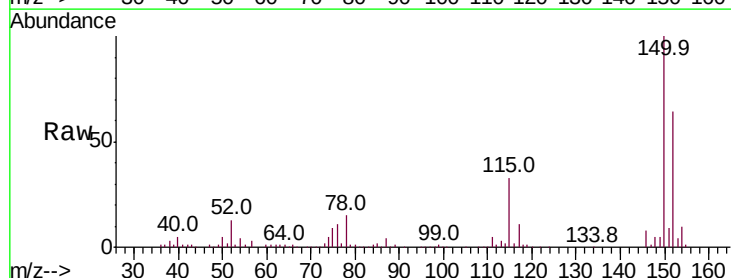
Tgt Ion:152 Resp: 413715

Ion Ratio Lower Upper

152 100

115 50.7 28.6 85.9

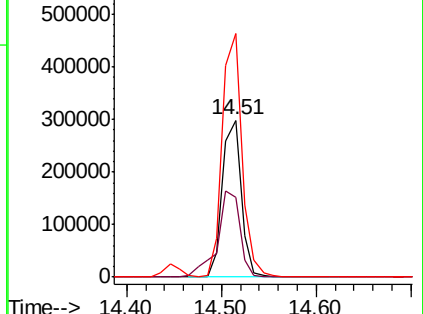
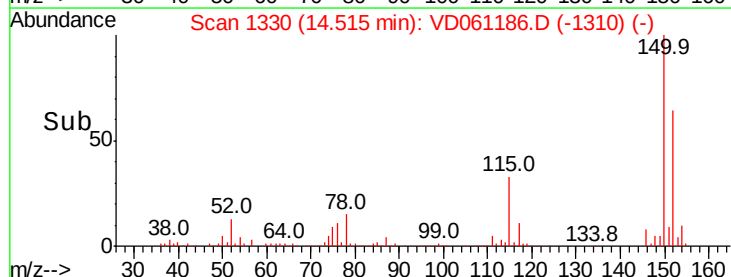
150 155.4 0.0 310.6

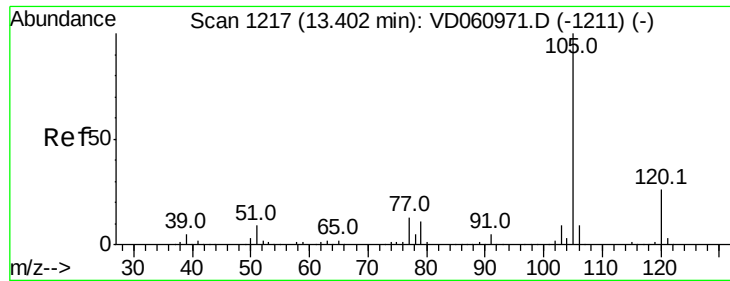


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.603 ug/l

RT: 13.39 min Scan# 1216

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

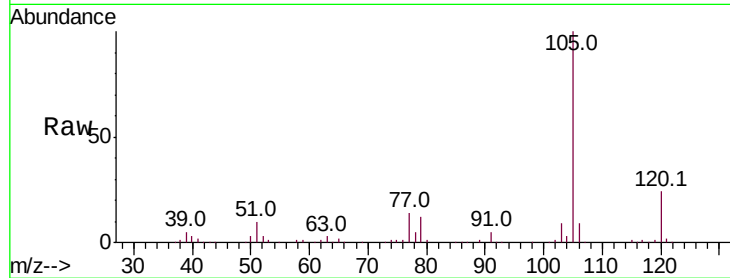
VD0319SBS01

Tot Ion:105 Resp: 584461

Ion Ratio Lower Upper

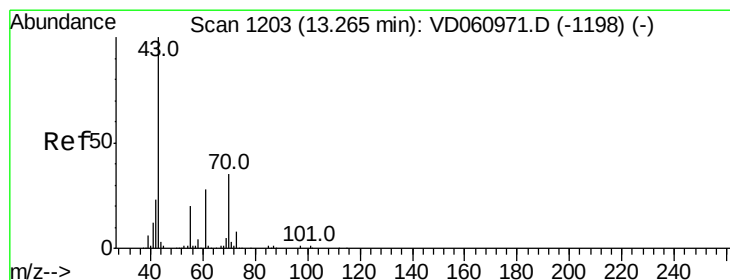
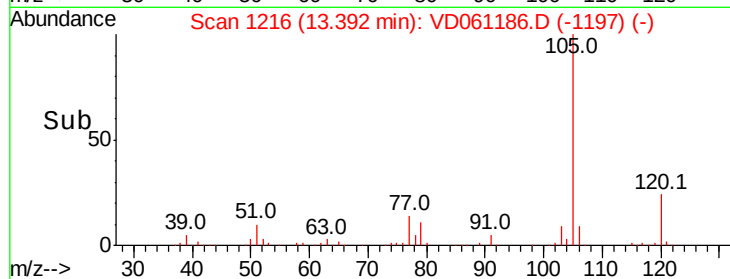
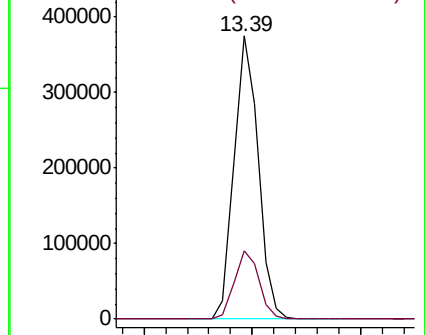
105 100

120 24.0 12.8 38.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 20.530 ug/l

RT: 13.25 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Tgt Ion: 43 Resp: 172357

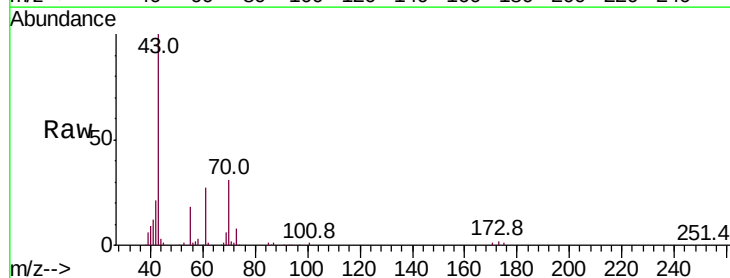
Ion Ratio Lower Upper

43 100

70 31.2 27.7 41.5

55 17.7 16.2 24.2

61 27.3 22.3 33.5

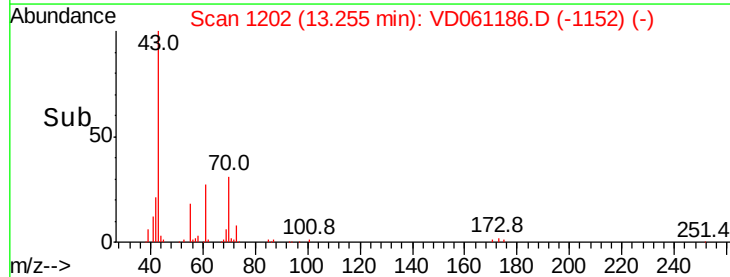
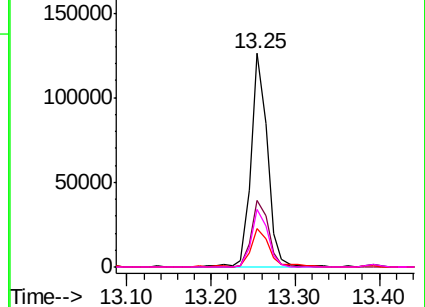


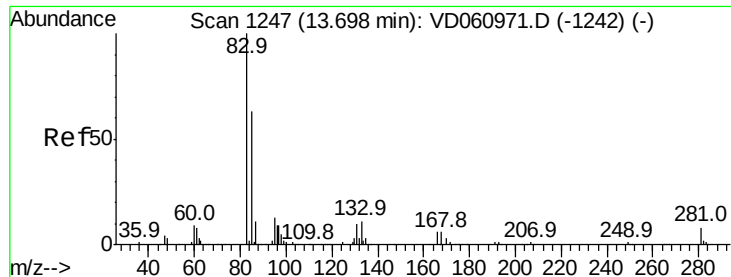
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.209 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

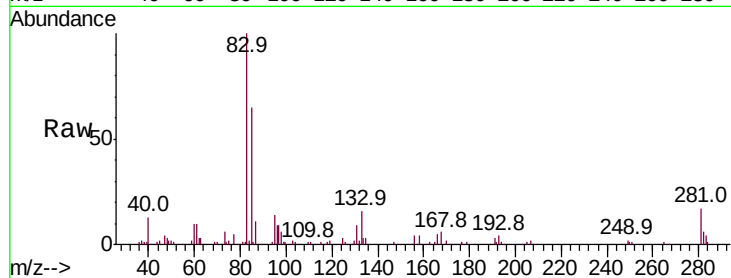
Tot Ion: 83 Resp: 117560

Ion Ratio Lower Upper

83 100

131 9.1 5.1 15.3

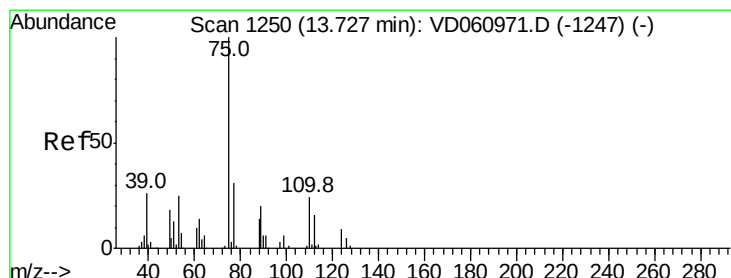
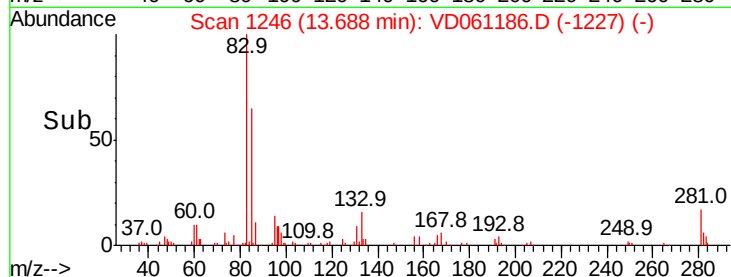
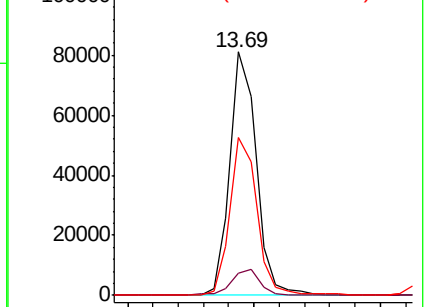
85 64.8 31.5 94.5



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 21.732 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD061186.D

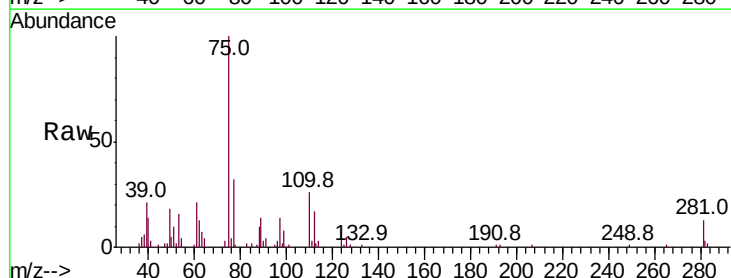
Acq: 19 Mar 2019 15:44

Tgt Ion: 75 Resp: 129347

Ion Ratio Lower Upper

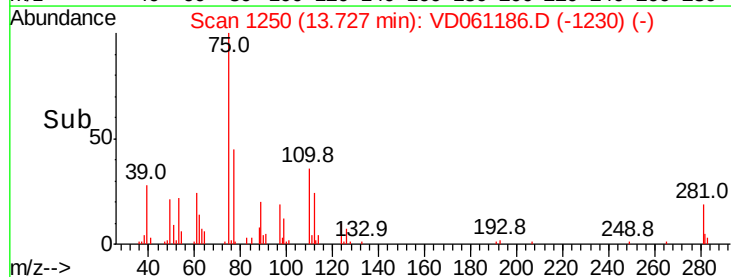
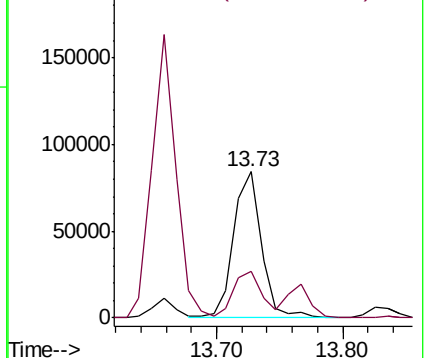
75 100

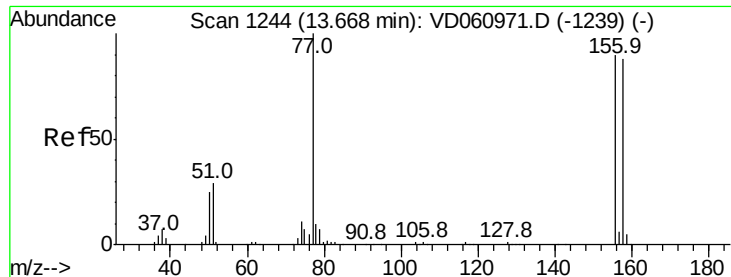
77 32.0 16.6 49.7



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 22.408 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

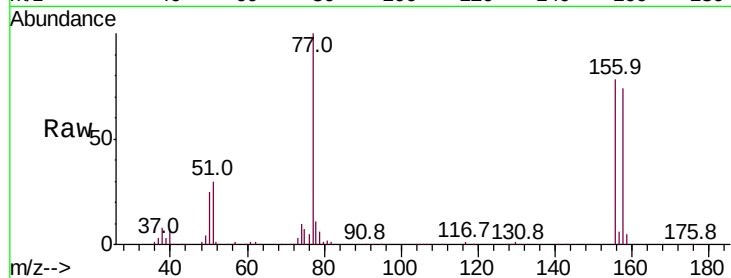
Tot Ion:156 Resp: 170548

Ion Ratio Lower Upper

156 100

77 128.8 55.5 166.7

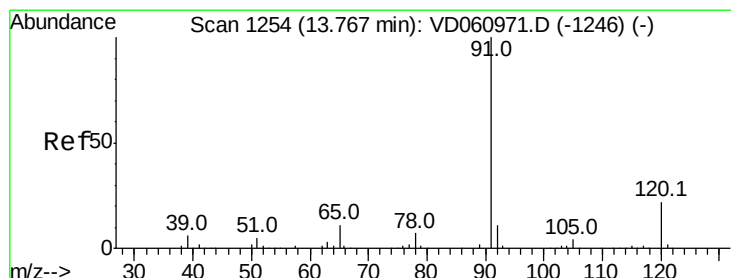
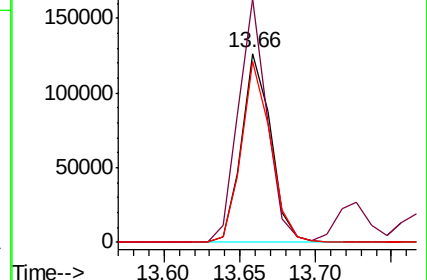
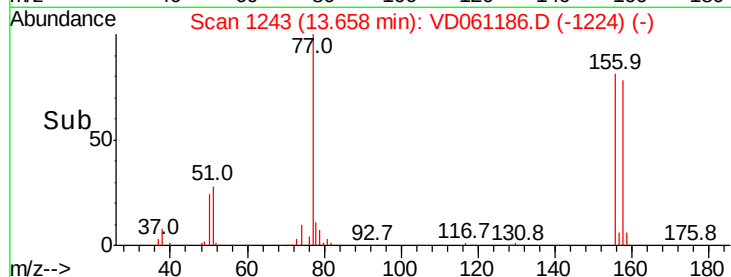
158 95.9 49.0 147.0



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: 20.555 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD061186.D

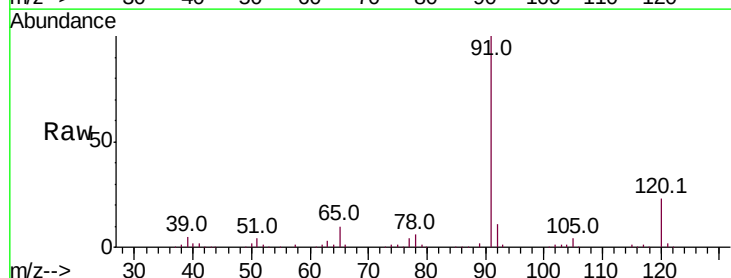
Acq: 19 Mar 2019 15:44

Tgt Ion: 91 Resp: 717458

Ion Ratio Lower Upper

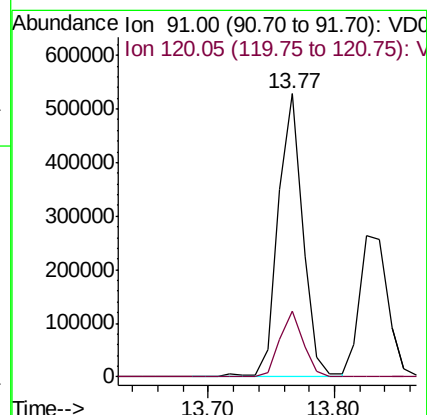
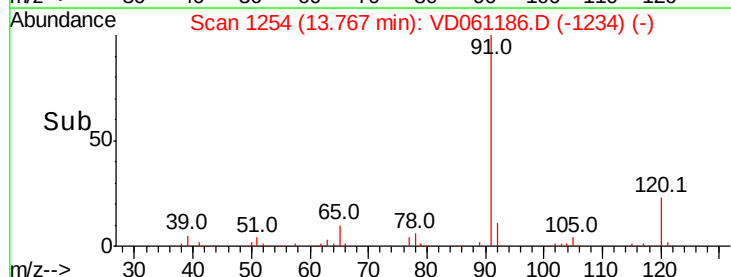
91 100

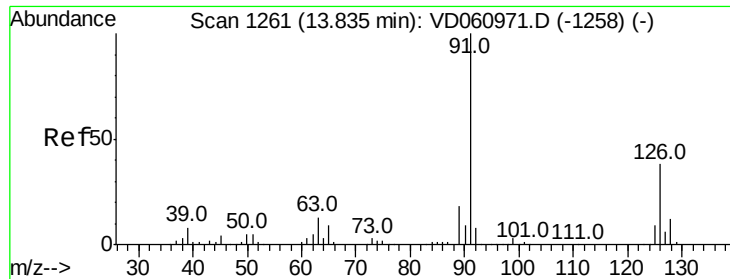
120 23.3 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 21.226 ug/l

RT: 13.83 min Scan# 1260

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

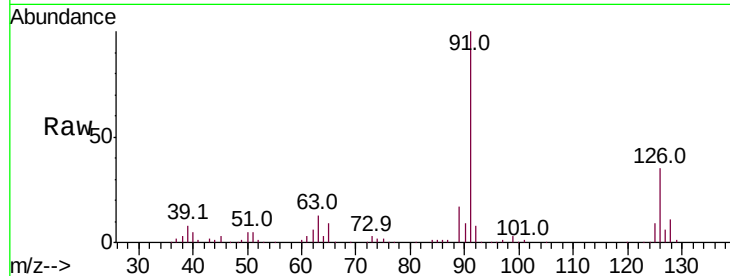
VD0319SBS01

Tot Ion: 91 Resp: 407900

Ion Ratio Lower Upper

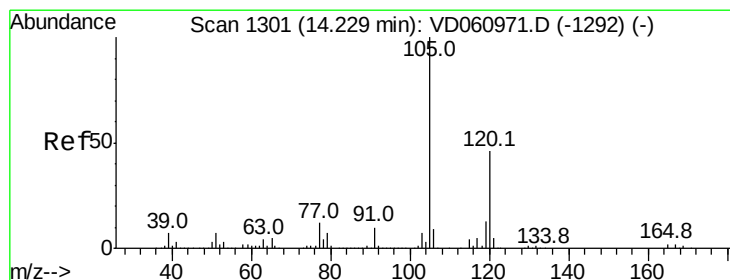
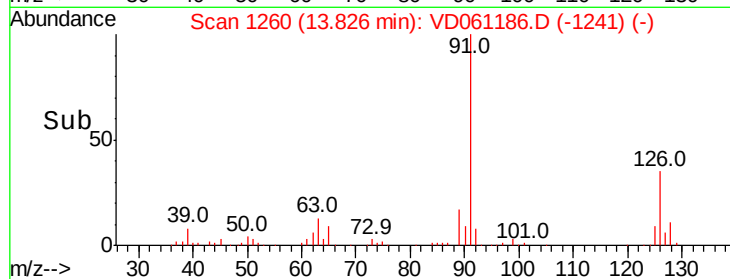
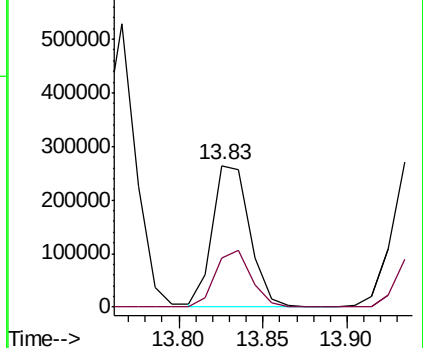
91 100

126 35.0 18.6 55.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 21.220 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD061186.D

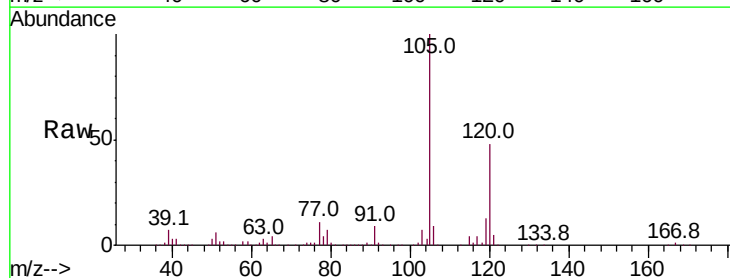
Acq: 19 Mar 2019 15:44

Tgt Ion:105 Resp: 480311

Ion Ratio Lower Upper

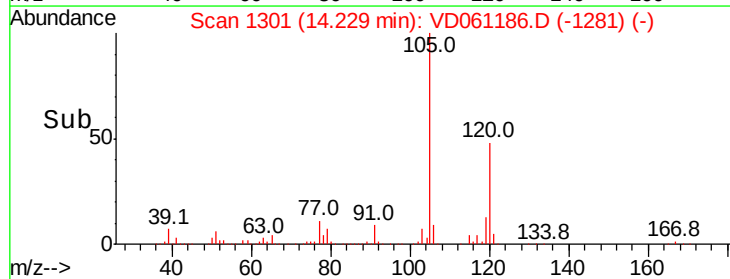
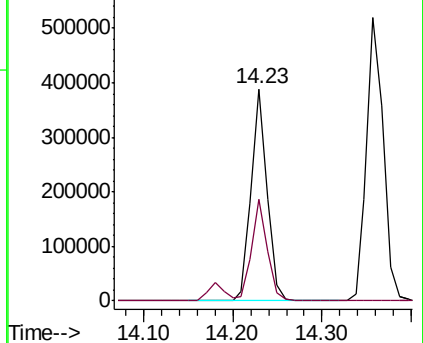
105 100

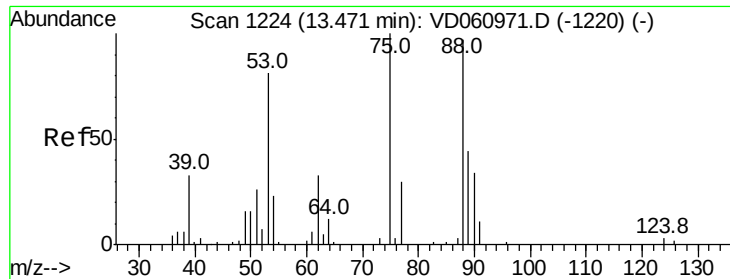
120 47.8 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 19.329 ug/l

RT: 13.46 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

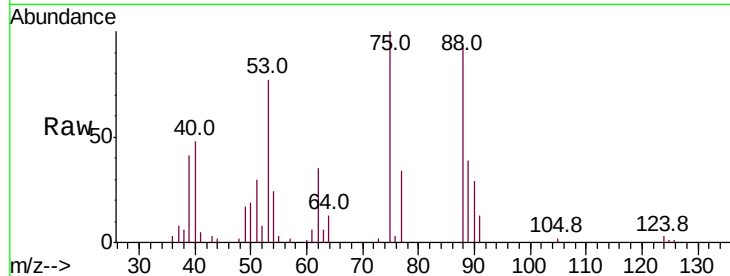
Tot Ion: 75 Resp: 33918

Ion Ratio Lower Upper

75 100

53 77.1 64.4 96.6

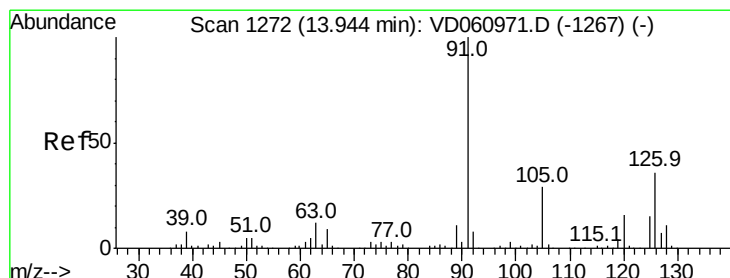
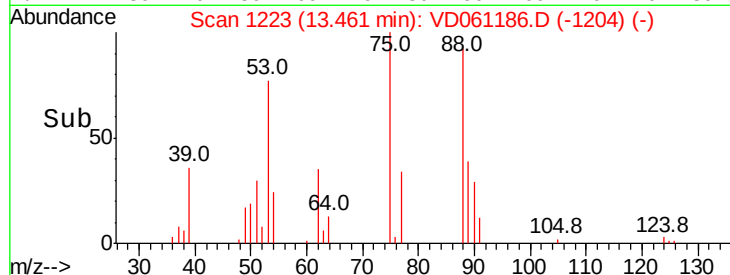
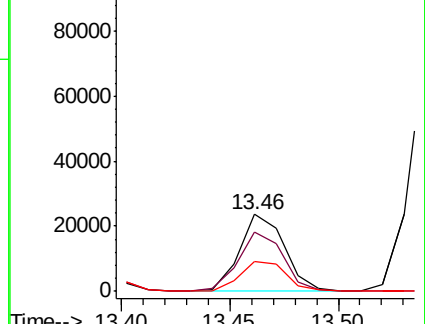
89 39.0 34.8 52.2



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: 18.751 ug/l

RT: 13.93 min Scan# 1271

Delta R.T. -0.01 min

Lab File: VD061186.D

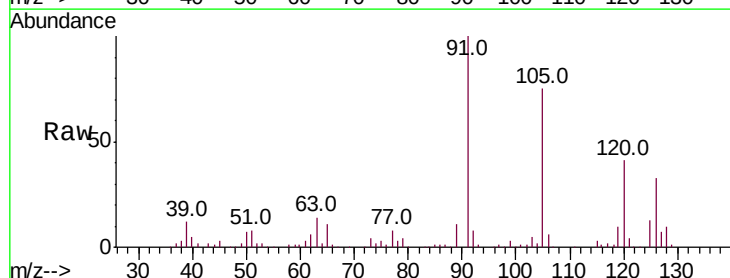
Acq: 19 Mar 2019 15:44

Tgt Ion: 91 Resp: 425989

Ion Ratio Lower Upper

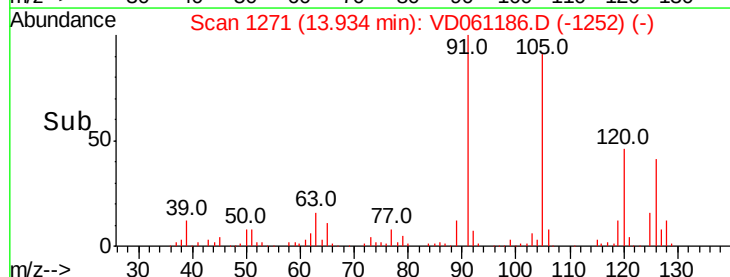
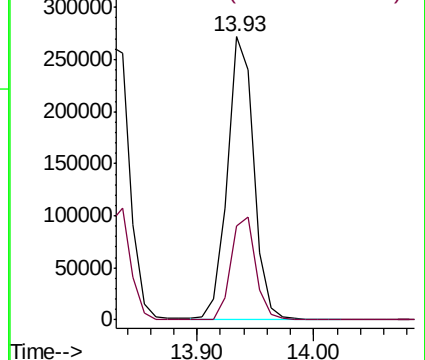
91 100

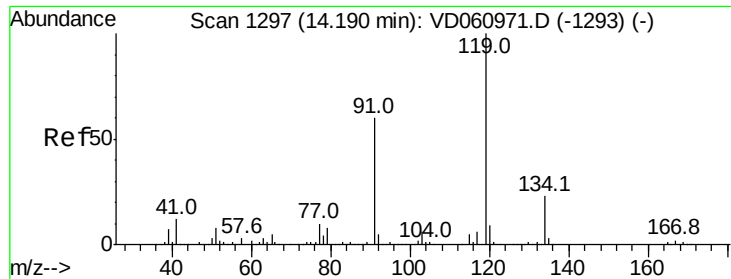
126 33.1 18.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V





#83

tert-Butylbenzene

Concen: 23.746 ug/l

RT: 14.18 min Scan# 1296

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

VD0319SBS01

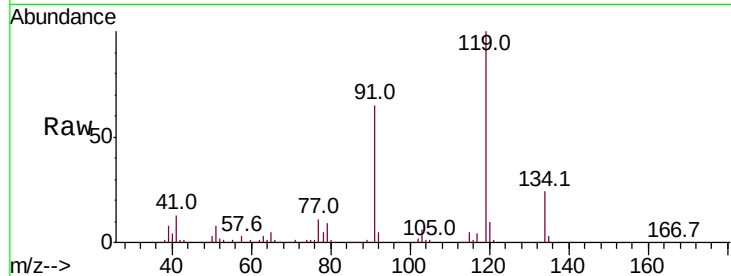
Tot Ion:119 Resp: 588224

Ion Ratio Lower Upper

119 100

91 64.8 30.1 90.3

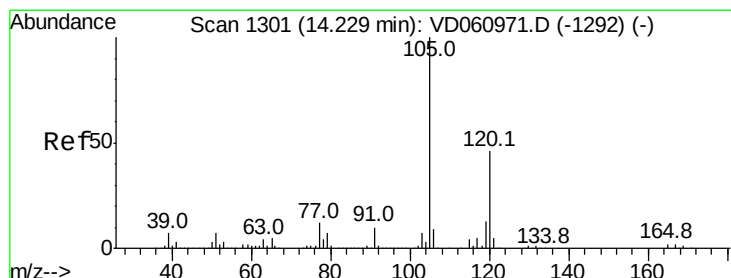
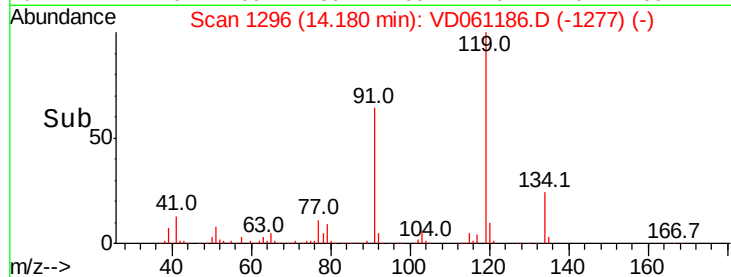
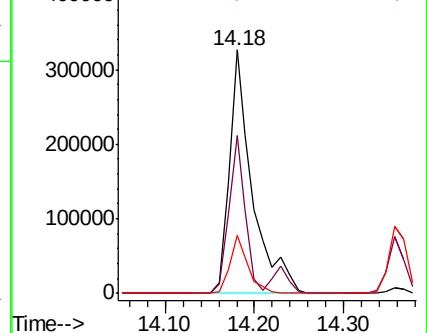
134 23.7 11.6 34.7



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.220 ug/l

RT: 14.23 min Scan# 1301

Delta R.T. -0.00 min

Lab File: VD061186.D

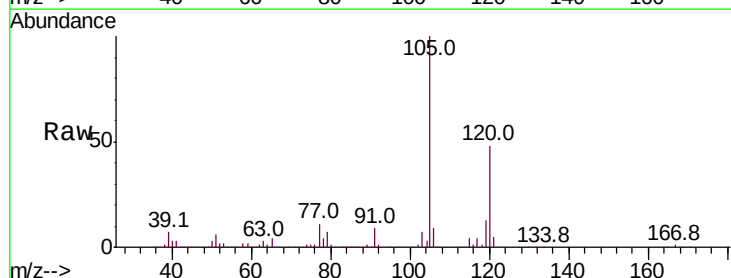
Acq: 19 Mar 2019 15:44

Tgt Ion:105 Resp: 480311

Ion Ratio Lower Upper

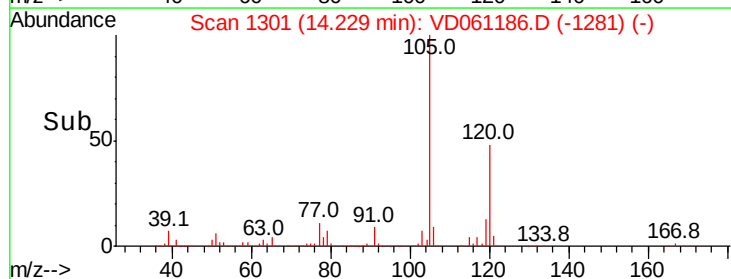
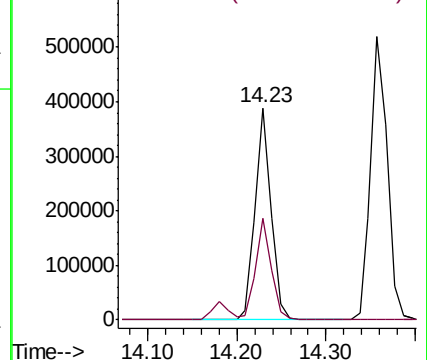
105 100

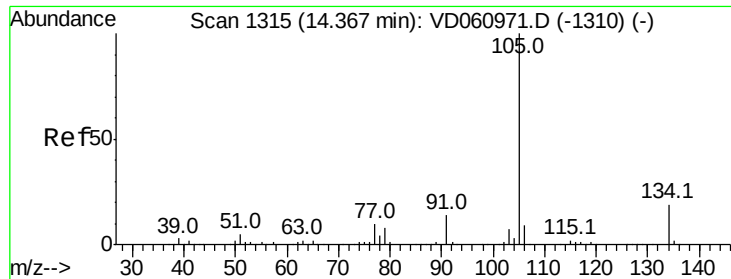
120 47.8 22.9 68.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#85

sec-Butylbenzene

Concen: 22.392 ug/l

RT: 14.36 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :

MSVOA_D

ClientSampleId :

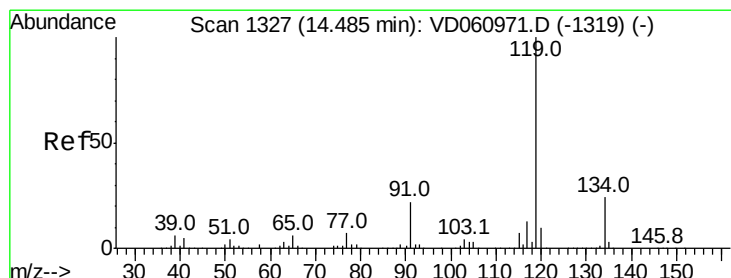
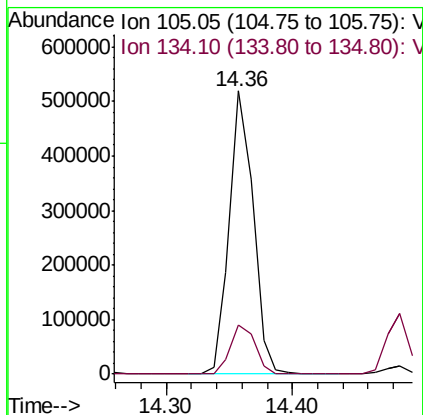
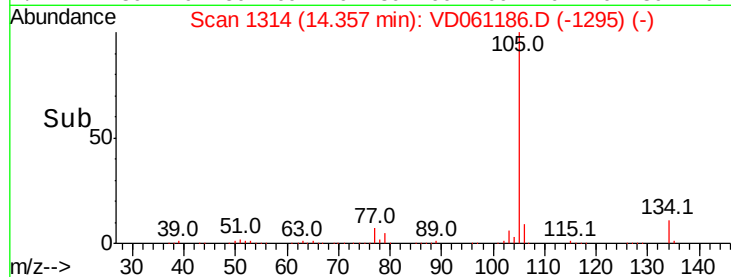
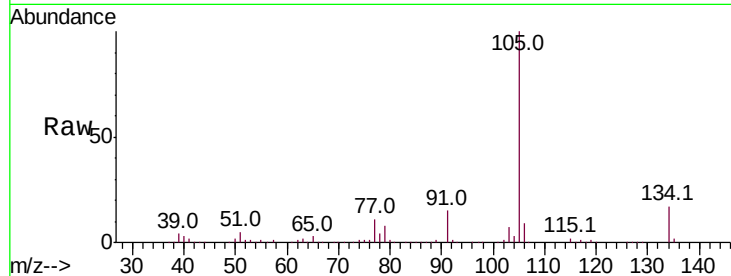
VD0319SBS01

Tot Ion:105 Resp: 677152

Ion Ratio Lower Upper

105 100

134 17.4 9.4 28.2



#86

p-Isopropyltoluene

Concen: 22.882 ug/l

RT: 14.49 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

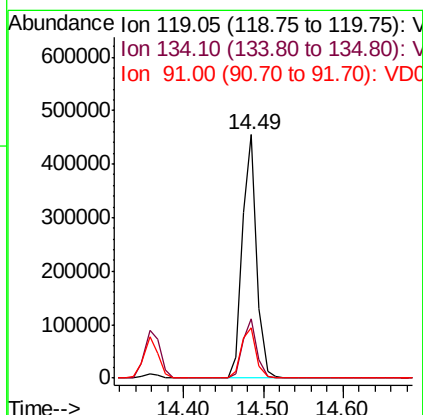
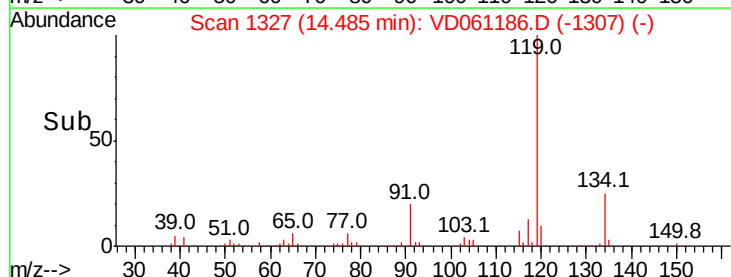
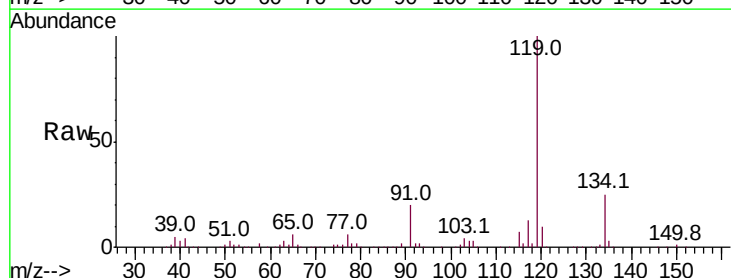
Tgt Ion:119 Resp: 565624

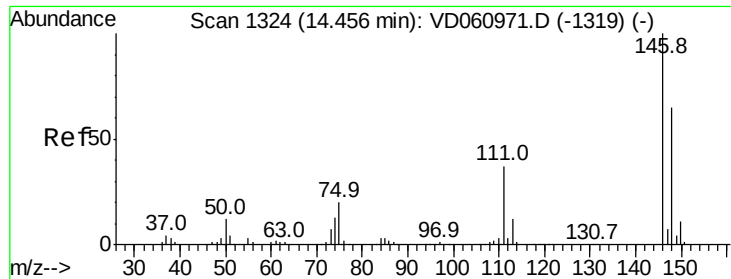
Ion Ratio Lower Upper

119 100

134 24.5 12.0 36.1

91 20.5 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 23.458 ug/l

RT: 14.45 min Scan# 1323

Delta R.T. -0.01 min

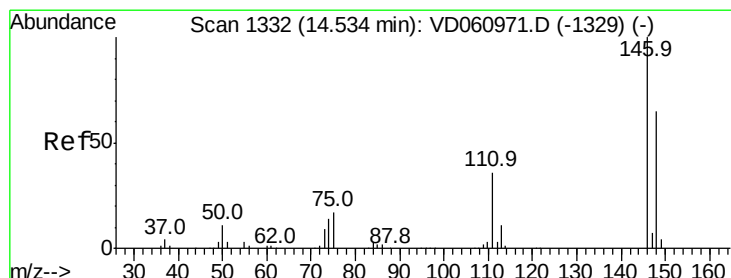
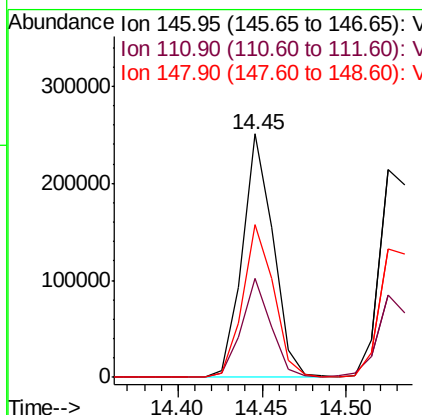
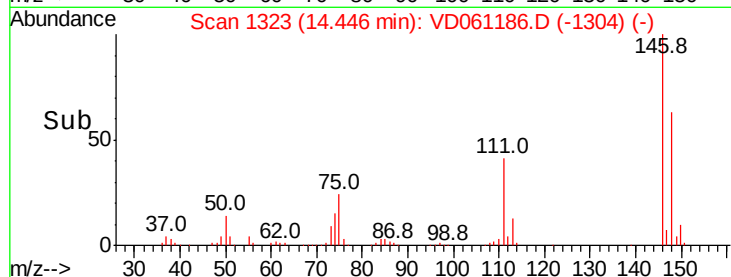
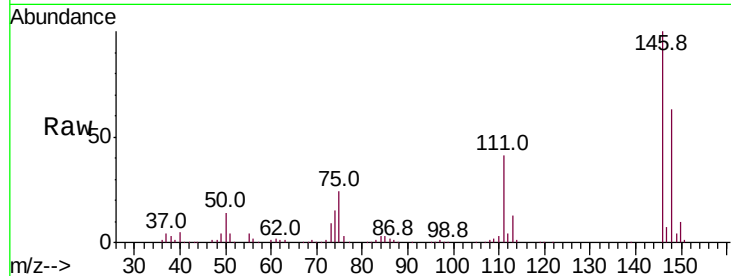
Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0319SBS01

Tot Ion:146 Resp: 318813

Ion	Ratio	Lower	Upper
146	100		
111	40.8	18.4	55.4
148	62.7	32.5	97.4



#88

1,4-Dichlorobenzene

Concen: 22.086 ug/l

RT: 14.52 min Scan# 1331

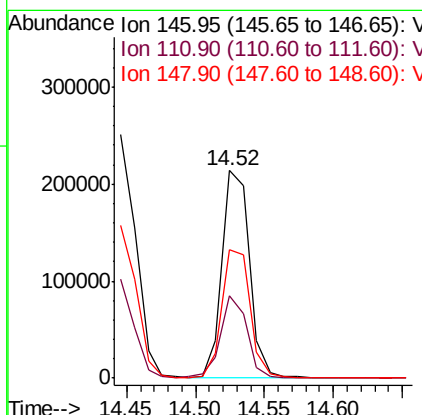
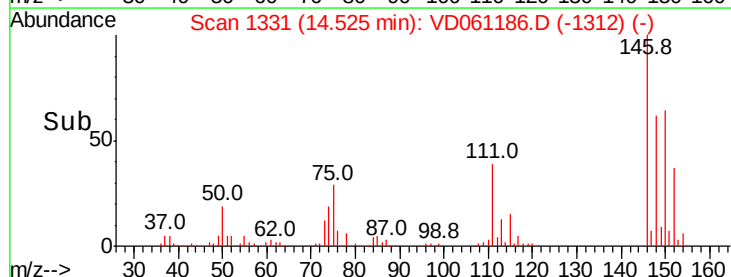
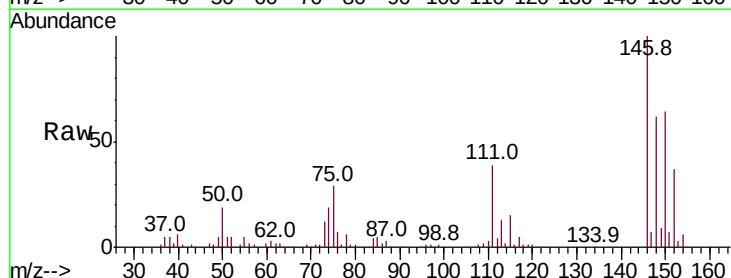
Delta R.T. -0.01 min

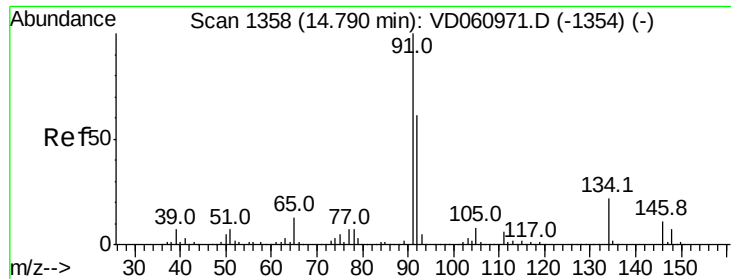
Lab File: VD061186.D

Acq: 19 Mar 2019 15:44

Tgt Ion:146 Resp: 294961

Ion	Ratio	Lower	Upper
146	100		
111	39.5	18.4	55.2
148	61.8	32.5	97.5

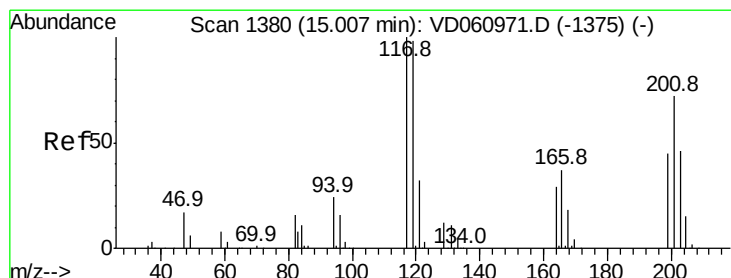
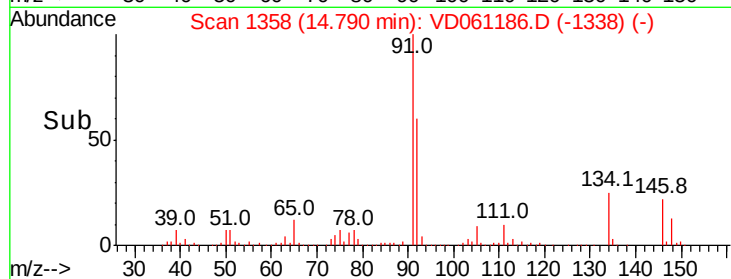
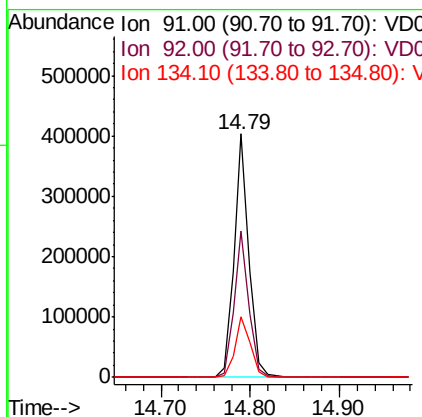
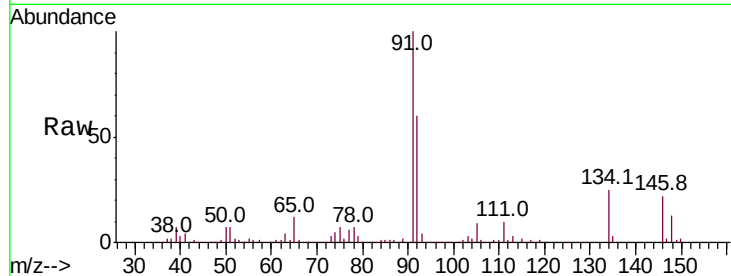




#89
n-Butylbenzene
Concen: 20.047 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. 0.00 min
Lab File: VD061186.D
Acq: 19 Mar 2019 15:44

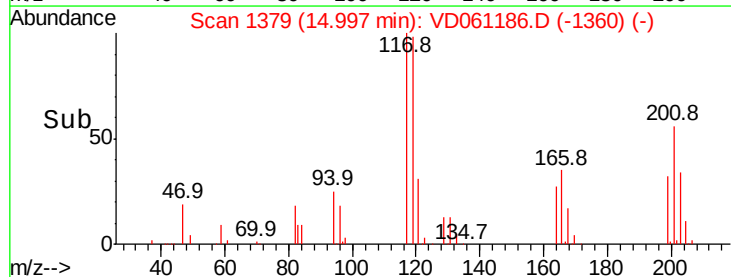
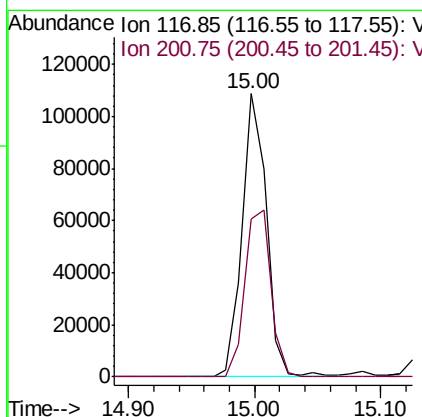
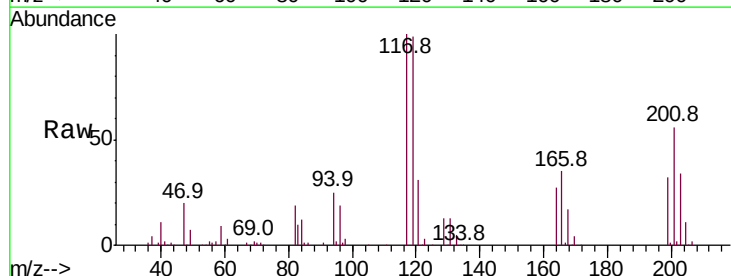
Instrument :
MSVOA_D
ClientSampleId :
VD0319SBS01

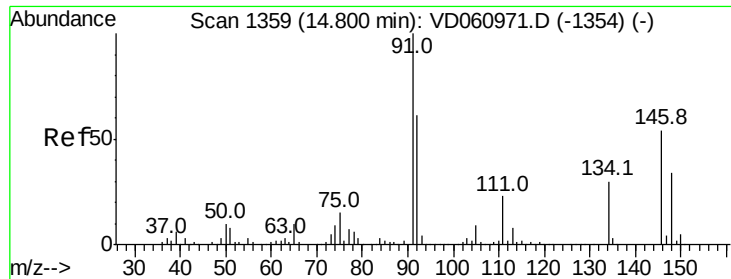
Tot Ion: 91 Resp: 475877
Ion Ratio Lower Upper
91 100
92 60.2 30.6 91.8
134 25.1 11.0 33.0



#90
Hexachloroethane
Concen: 20.856 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.01 min
Lab File: VD061186.D
Acq: 19 Mar 2019 15:44

Tgt Ion: 117 Resp: 145573
Ion Ratio Lower Upper
117 100
201 55.8 36.2 108.6

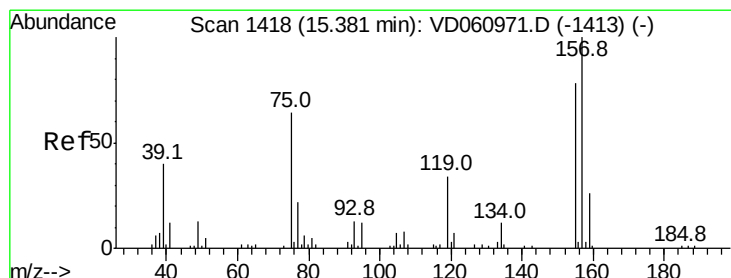
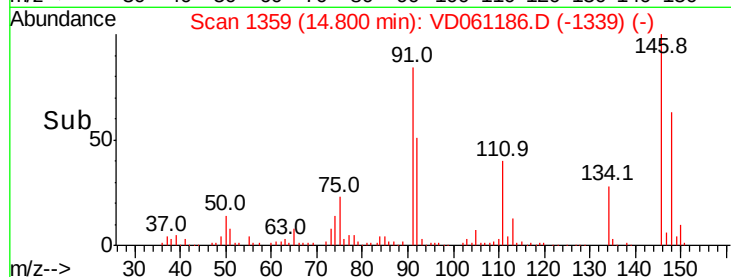
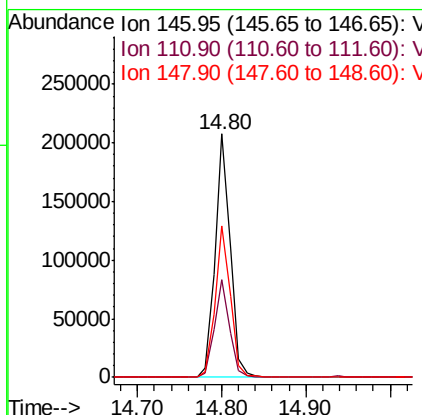
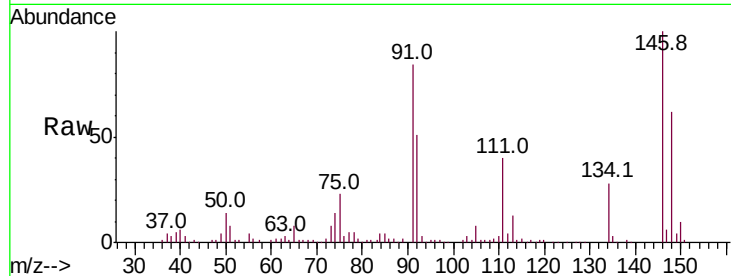




#91
 1,2-Dichlorobenzene
 Concen: 22.694 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD061186.D
 Acq: 19 Mar 2019 15:44

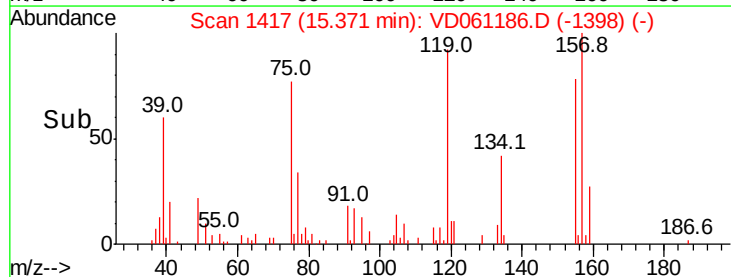
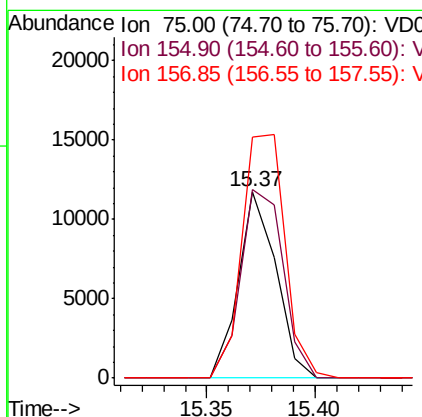
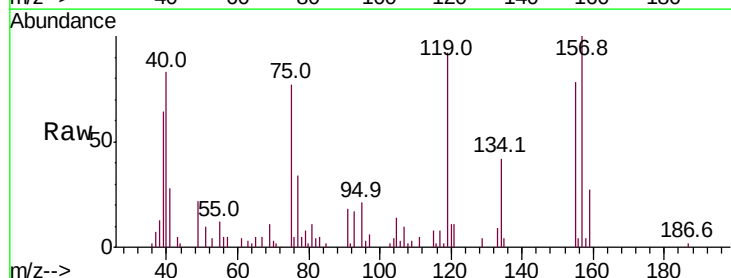
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0319SBS01

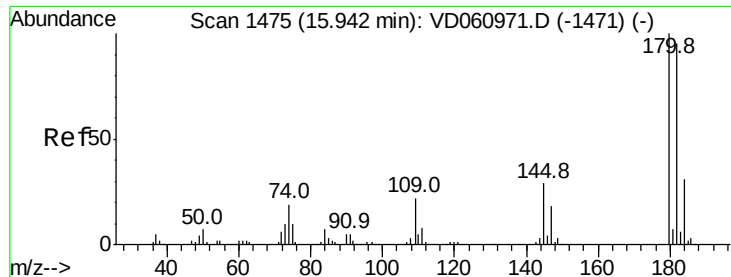
Tot Ion:146 Resp: 257124
 Ion Ratio Lower Upper
 146 100
 111 40.2 21.5 64.5
 148 62.5 30.9 92.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.412 ug/l
 RT: 15.37 min Scan# 1417
 Delta R.T. -0.01 min
 Lab File: VD061186.D
 Acq: 19 Mar 2019 15:44

Tgt Ion: 75 Resp: 14309
 Ion Ratio Lower Upper
 75 100
 155 100.9 61.2 183.5
 157 129.8 78.3 234.8

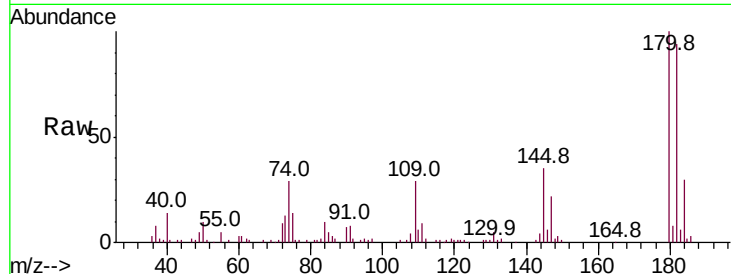




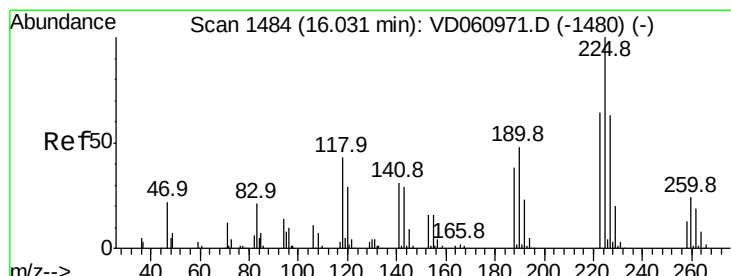
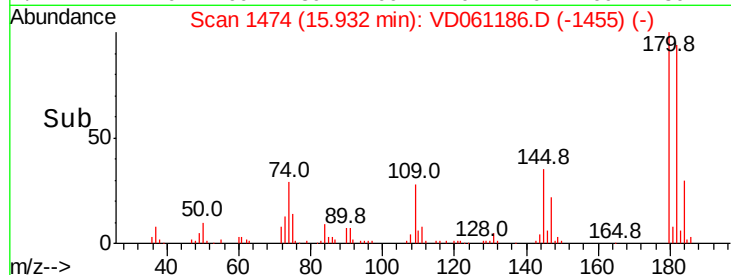
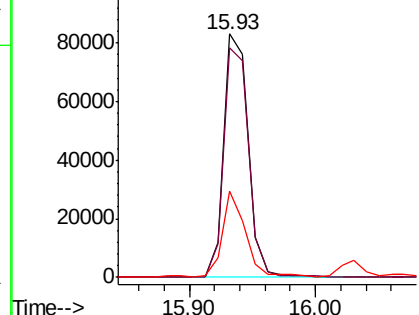
#93
 1,2,4-Trichlorobenzene
 Concen: 21.209 ug/l
 RT: 15.93 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061186.D
 Acq: 19 Mar 2019 15:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0319SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	142.0
145	35.2	14.4	43.0

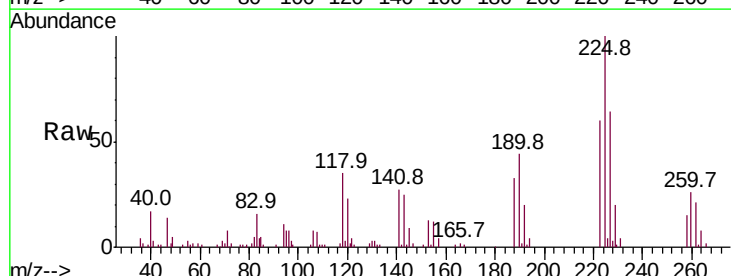


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

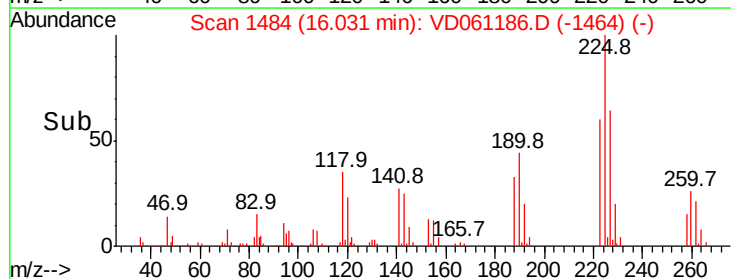
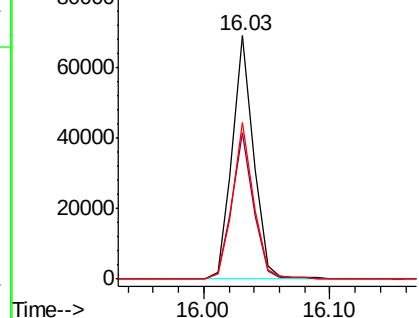


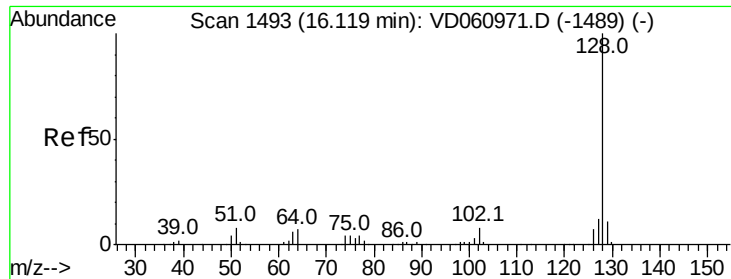
#94
 Hexachlorobutadiene
 Concen: 20.260 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061186.D
 Acq: 19 Mar 2019 15:44

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.1	31.8	95.3
227	64.4	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

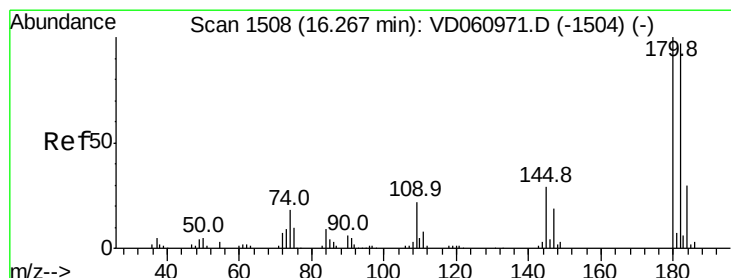
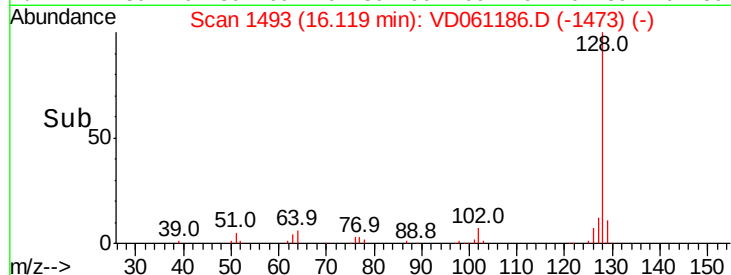
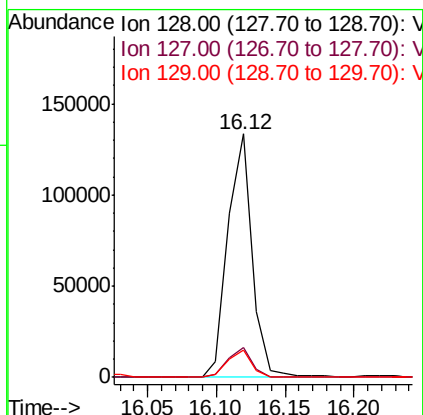
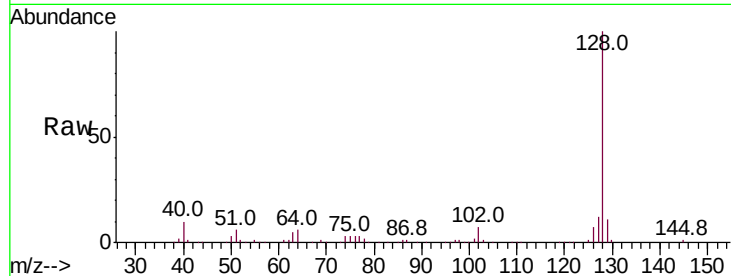




#95
Naphthalene
Concen: 20.527 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061186.D
Acq: 19 Mar 2019 15:44

Instrument :
MSVOA_D
ClientSampleId :
VD0319SBS01

Tot Ion:128 Resp: 163949
Ion Ratio Lower Upper
128 100
127 12.2 9.8 14.8
129 11.4 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 17.634 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD061186.D
Acq: 19 Mar 2019 15:44

Tgt Ion:180 Resp: 45777
Ion Ratio Lower Upper
180 100
182 101.5 48.6 145.8
145 33.8 14.3 42.9

