

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030519\
 Data File : VD060941.D
 Acq On : 5 Mar 2019 11:19
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Quant Time: Mar 06 04:05:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D030119S.M
 Quant Title : SW846 8260
 QLast Update : Sat Mar 02 01:28:28 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.06	168	717571	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	8.22	114	1274482	50.00	ug/l	0.02
63) Chlorobenzene-d5	12.37	117	1018414	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	446402	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.46	65	318806	53.74	ug/l	0.02
Spiked Amount	50.000		Recovery	=	107.48%	
35) Dibromofluoromethane	6.93	113	502399	49.17	ug/l	0.02
Spiked Amount	50.000		Recovery	=	98.34%	
50) Toluene-d8	10.42	98	1282359	50.44	ug/l	0.02
Spiked Amount	50.000		Recovery	=	100.88%	
62) 4-Bromofluorobenzene	13.56	95	459220	47.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.59	85	411567	51.763	ug/l	99
3) Chloromethane	1.76	50	310794	47.104	ug/l	97
4) Vinyl Chloride	1.86	62	300028	50.331	ug/l	99
5) Bromomethane	2.17	94	53571	50.877	ug/l	98
6) Chloroethane	2.29	64	83329	58.021	ug/l	96
7) Trichlorofluoromethane	2.54	101	411353	57.492	ug/l	100
8) Diethyl Ether	2.89	74	153025	48.489	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.16	101	525987	54.198	ug/l	97
10) Methyl Iodide	3.32	142	699798	50.077	ug/l	100
11) Tert butyl alcohol	4.08	59	123000	278.202	ug/l	97
12) 1,1-Dichloroethene	3.14	96	433985	52.719	ug/l	93
13) Acrolein	3.04	56	122316	199.777	ug/l	99
14) Allyl chloride	3.64	41	694759	51.743	ug/l	98
15) Acrylonitrile	4.21	53	407372	240.639	ug/l	99
16) Acetone	3.23	43	599685	302.772	ug/l	95
17) Carbon Disulfide	3.39	76	1476098	50.585	ug/l	100
18) Methyl Acetate	3.65	43	203570	50.195	ug/l	97
19) Methyl tert-butyl Ether	4.26	73	754727	52.124	ug/l	98
20) Methylene Chloride	3.83	84	440439	46.602	ug/l	99
21) trans-1,2-Dichloroethene	4.24	96	473104	52.791	ug/l	97
22) Diisopropyl ether	5.14	45	1390865	48.784	ug/l	99
23) Vinyl Acetate	5.07	43	3722555	248.630	ug/l	99
24) 1,1-Dichloroethane	5.00	63	756285	49.737	ug/l	99
25) 2-Butanone	6.09	43	624051	253.987	ug/l	98
26) 2,2-Dichloropropane	6.04	77	609923	53.996	ug/l	97
27) cis-1,2-Dichloroethene	6.06	96	495857	48.799	ug/l	99
28) Bromochloromethane	6.45	49	320360	50.159	ug/l #	94
29) Tetrahydrofuran	6.46	42	293804	232.311	ug/l	99
30) Chloroform	6.68	83	766832	51.997	ug/l	99
31) Cyclohexane	6.96	56	677058	51.699	ug/l	99
32) 1,1,1-Trichloroethane	6.88	97	667076	52.824	ug/l	99
36) 1,1-Dichloropropene	7.16	75	610369	52.088	ug/l	99
37) Ethyl Acetate	6.19	43	272497	45.237	ug/l	99
38) Carbon Tetrachloride	7.12	117	719997	57.192	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.87	83	683590	53.368	ug/l	97
40) Benzene	7.46	78	1510296	50.609	ug/l	100
41) Methacrylonitrile	6.46	41	318208	84.557	ug/l #	94
42) 1,2-Dichloroethane	7.59	62	426302	50.771	ug/l	99
43) Isopropyl Acetate	9.25	43	397605	47.340	ug/l	98
44) Trichloroethene	8.55	130	528630	51.725	ug/l	98
45) 1,2-Dichloropropane	8.95	63	396379	50.171	ug/l	97
46) Dibromomethane	9.07	93	254410	49.924	ug/l	98
47) Bromodichloromethane	9.38	83	550777	49.548	ug/l	100
48) Methyl methacrylate	9.13	41	225723	47.836	ug/l	99
49) 1,4-Dioxane	9.09	88	48081	973.335	ug/l	97
51) 4-Methyl-2-Pentanone	10.31	43	1298633	253.963	ug/l	100
52) Toluene	10.52	92	921305	48.053	ug/l	99
53) t-1,3-Dichloropropene	10.92	75	529474	51.761	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	660521	52.074	ug/l	100
55) 1,1,2-Trichloroethane	11.20	97	320135	50.491	ug/l	100
56) Ethyl methacrylate	11.05	69	337952	50.279	ug/l	96
57) 1,3-Dichloropropane	11.41	76	466238	50.577	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.87	63	872150	242.953	ug/l	100
59) 2-Hexanone	11.54	43	885384	247.002	ug/l	99
60) Dibromochloromethane	11.69	129	476241	52.080	ug/l	99
61) 1,2-Dibromoethane	11.81	107	353153	47.412	ug/l	95
64) Tetrachloroethene	11.26	164	406395	52.129	ug/l	98
65) Chlorobenzene	12.41	112	1061364	46.810	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.51	131	437200	53.733	ug/l	98
67) Ethyl Benzene	12.52	91	1829454	55.414	ug/l	99
68) m/p-Xylenes	12.67	106	1257920	95.367	ug/l	95
69) o-Xylene	13.06	106	641080	51.740	ug/l	94
70) Styrene	13.08	104	1006021	48.665	ug/l	98
71) Bromoform	13.23	173	261800	50.836	ug/l	99
73) Isopropylbenzene	13.41	105	1615005	46.825	ug/l	99
74) N-amyl acetate	13.27	43	503206	48.842	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.71	83	362999	50.747	ug/l	99
76) 1,2,3-Trichloropropane	13.74	75	382225	52.845	ug/l	99
77) Bromobenzene	13.68	156	459488	50.969	ug/l	99
78) n-propylbenzene	13.77	91	2077459	52.354	ug/l	98
79) 2-Chlorotoluene	13.84	91	1101680	48.613	ug/l	99
80) 1,3,5-Trimethylbenzene	14.24	105	1446019	55.284	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.48	75	115674	54.038	ug/l	97
82) 4-Chlorotoluene	13.95	91	1279159	51.462	ug/l	100
83) tert-Butylbenzene	14.20	119	1613191	53.868	ug/l	99
84) 1,2,4-Trimethylbenzene	14.24	105	1446019	55.284	ug/l	99
85) sec-Butylbenzene	14.37	105	1848935	53.256	ug/l	94
86) p-Isopropyltoluene	14.49	119	1367334	48.353	ug/l	98
87) 1,3-Dichlorobenzene	14.45	146	828699	54.107	ug/l	95
88) 1,4-Dichlorobenzene	14.54	146	835808	54.951	ug/l	99
89) n-Butylbenzene	14.80	91	1332442	55.316	ug/l	100
90) Hexachloroethane	15.02	117	440605	54.027	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	652952	49.205	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	46282	55.294	ug/l	62

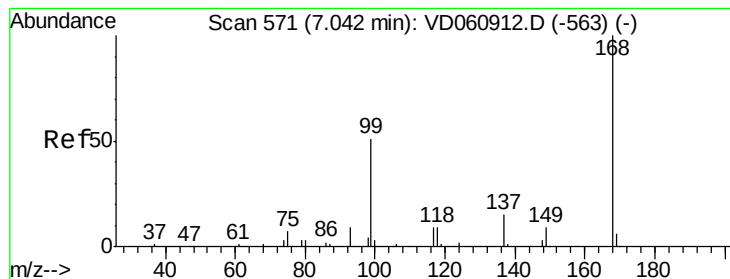
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.95	180	376682	48.886	ug/l	99
94) Hexachlorobutadiene	16.04	225	269099	54.411	ug/l	98
95) Naphthalene	16.13	128	511263	42.609	ug/l	99
96) 1,2,3-Trichlorobenzene	16.28	180	204550	47.271	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.06 min Scan# 573

Delta R.T. 0.02 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

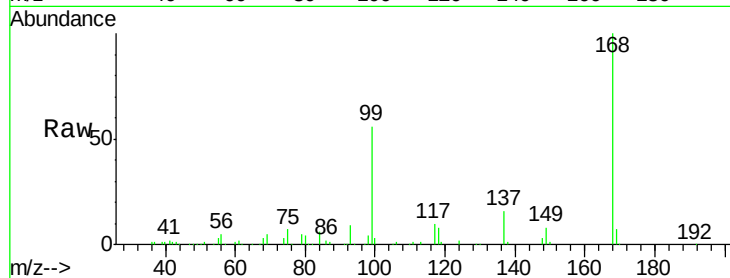
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Tot Ion:168 Resp: 717571

Ion Ratio Lower Upper

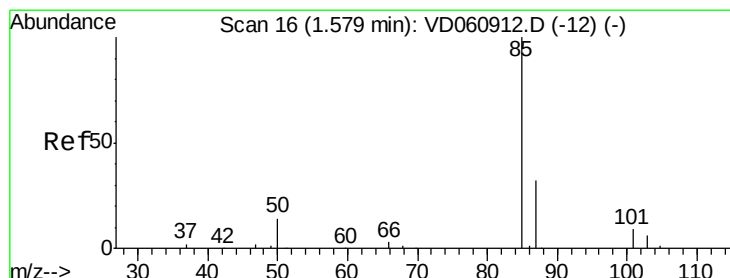
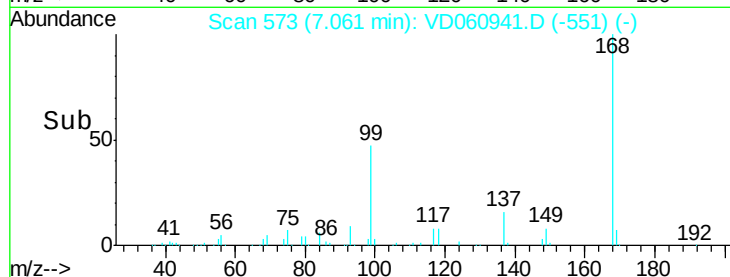
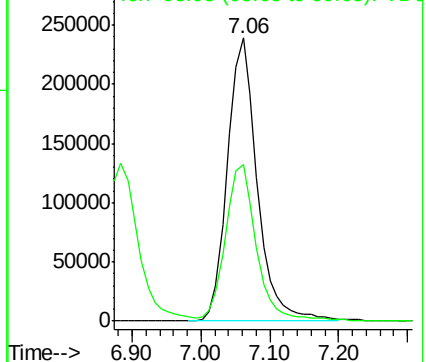
168 100

99 55.6 41.5 62.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 51.763 ug/l

RT: 1.59 min Scan# 17

Delta R.T. 0.01 min

Lab File: VD060941.D

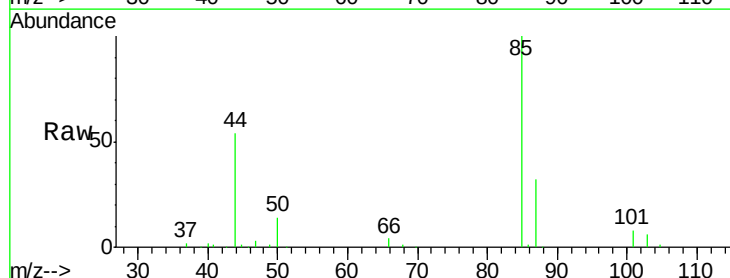
Acq: 5 Mar 2019 11:19

Tgt Ion: 85 Resp: 411567

Ion Ratio Lower Upper

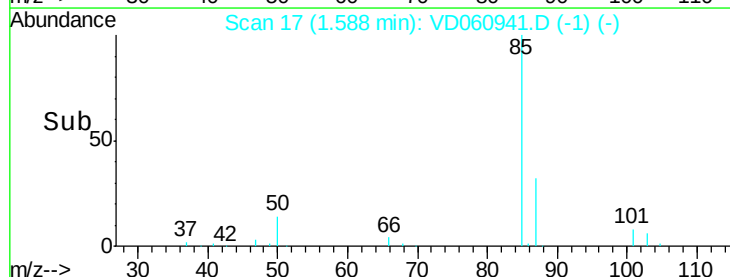
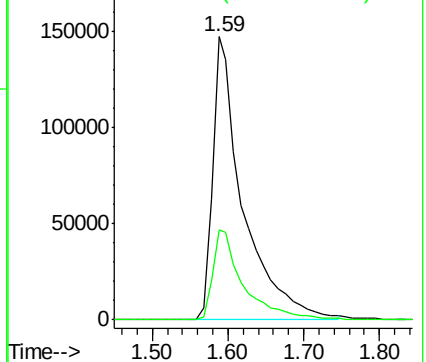
85 100

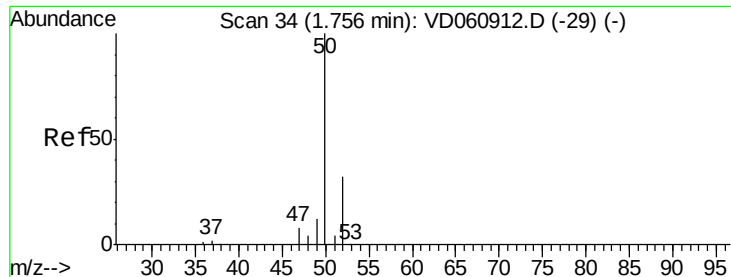
87 31.7 16.3 48.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.104 ug/l

RT: 1.76 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

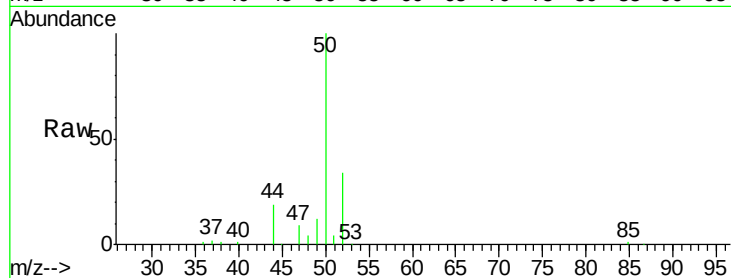
BFB

Tot Ion: 50 Resp: 310794

Ion Ratio Lower Upper

50 100

52 33.9 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.76

80000

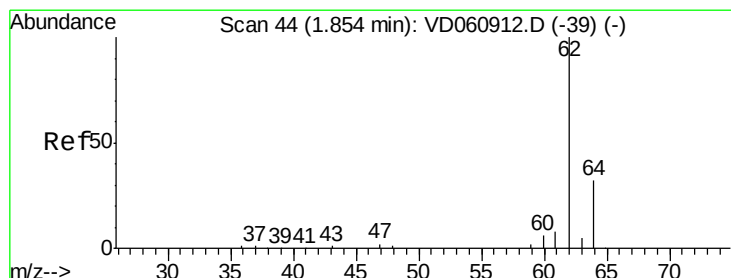
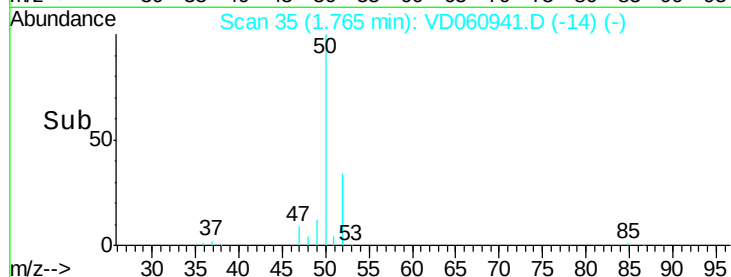
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 50.331 ug/l

RT: 1.86 min Scan# 45

Delta R.T. 0.01 min

Lab File: VD060941.D

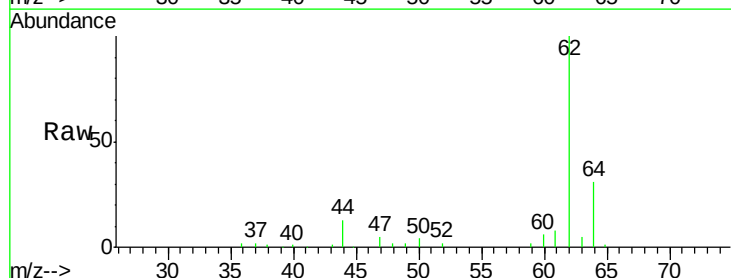
Acq: 5 Mar 2019 11:19

Tgt Ion: 62 Resp: 300028

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

1.86

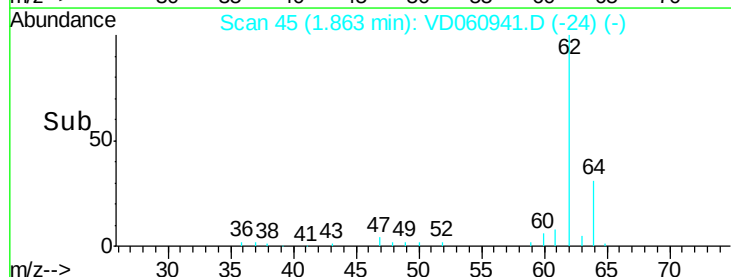
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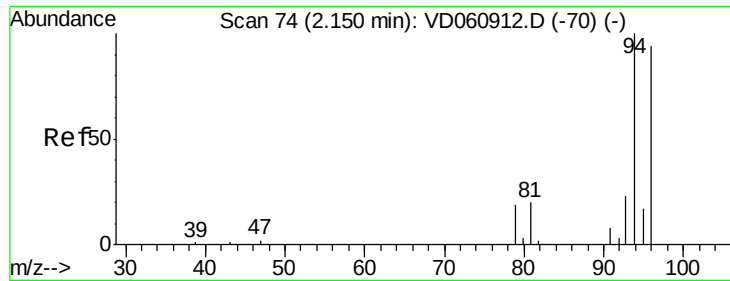
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50000

0

Time-->

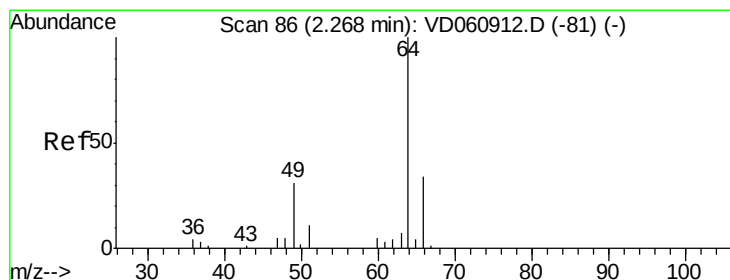
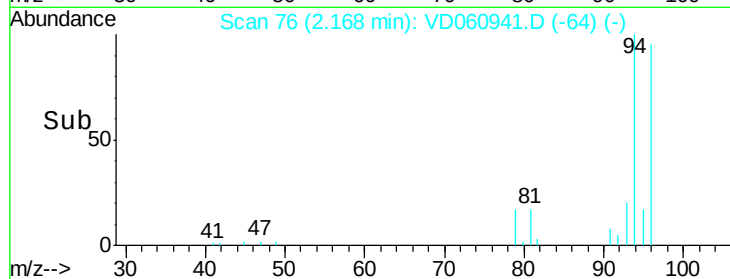
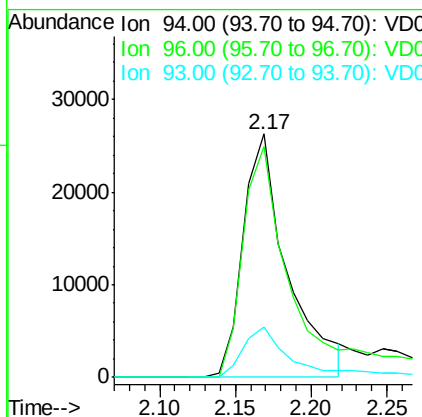
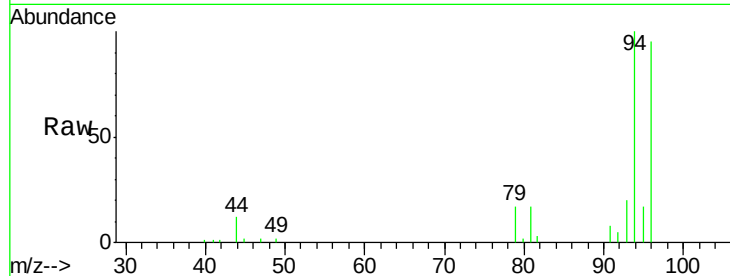




#5
Bromomethane
Concen: 50.877 ug/l
RT: 2.17 min Scan# 76
Delta R.T. 0.02 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

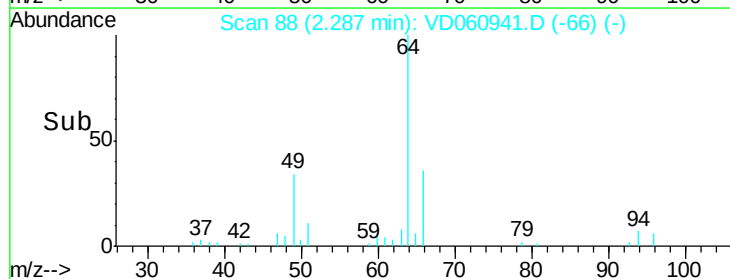
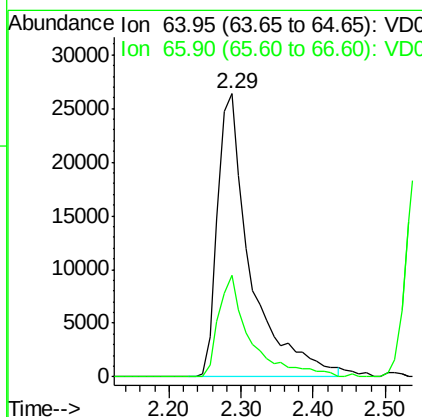
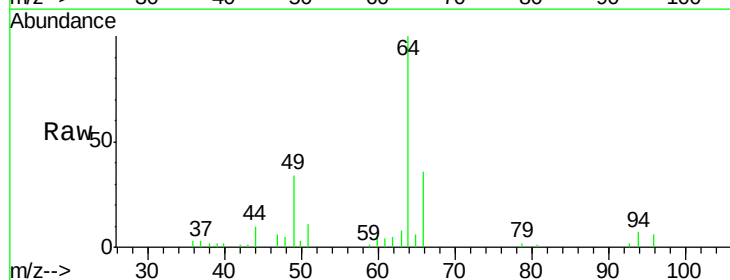
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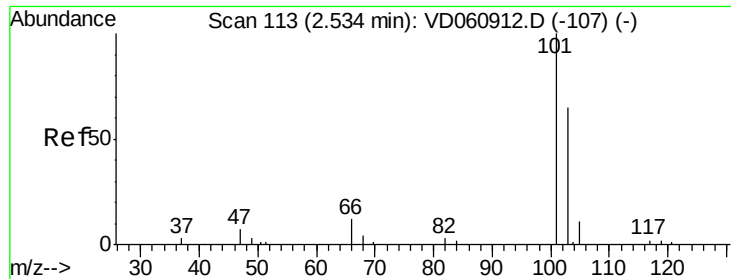
Tot Ion: 94 Resp: 53571
Ion Ratio Lower Upper
94 100
96 94.6 75.1 112.7
93 20.4 18.6 28.0



#6
Chloroethane
Concen: 58.021 ug/l
RT: 2.29 min Scan# 88
Delta R.T. 0.02 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Tgt Ion: 64 Resp: 83329
Ion Ratio Lower Upper
64 100
66 36.0 27.0 40.6



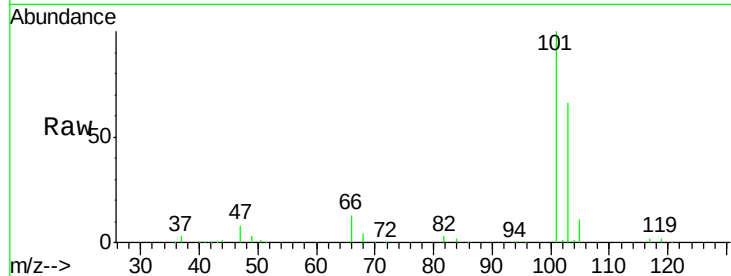


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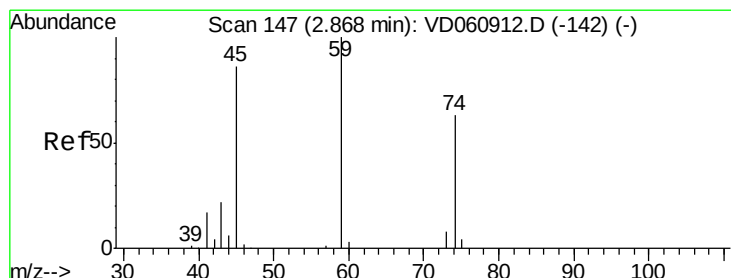
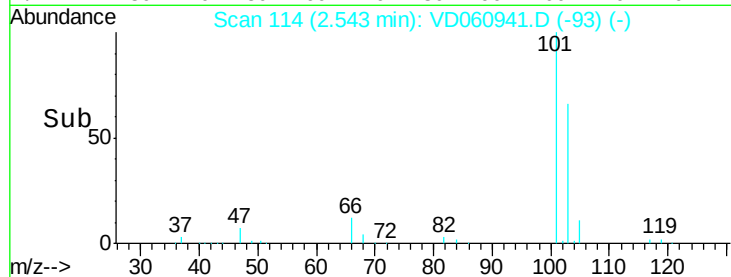
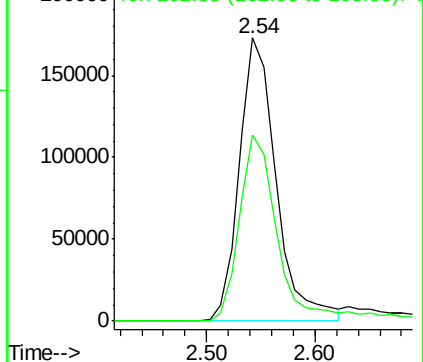
Trichlorofluoromethane
Concen: 57.492 ug/l
RT: 2.54 min Scan# 114
Delta R.T. 0.01 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Instrument :
MSVOA_D
ClientSampled :
BFB

Tot Ion:101 Resp: 411353
Ion Ratio Lower Upper
101 100
103 65.7 52.4 78.6



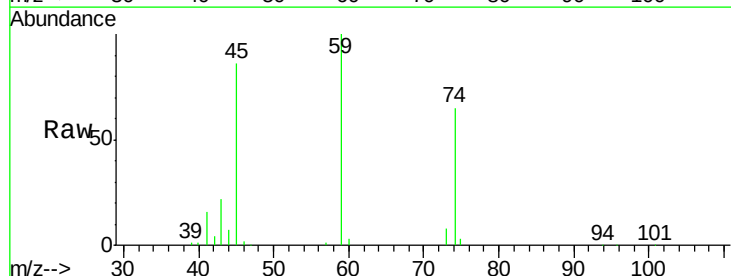
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



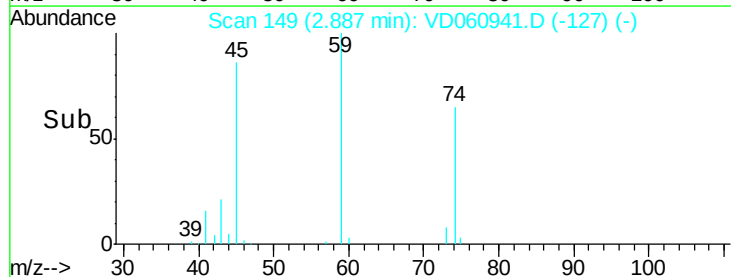
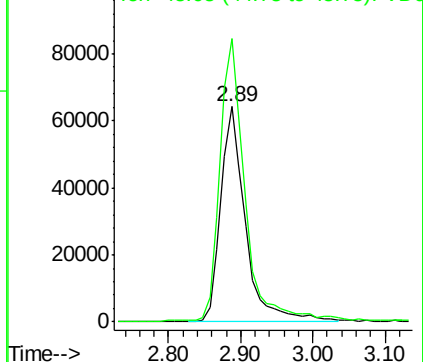
#8

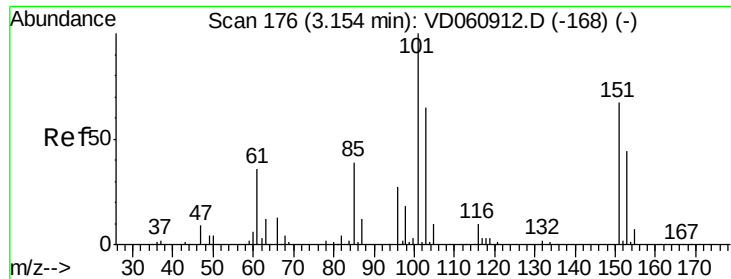
Diethyl Ether
Concen: 48.489 ug/l
RT: 2.89 min Scan# 149
Delta R.T. 0.02 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Tgt Ion: 74 Resp: 153025
Ion Ratio Lower Upper
74 100
45 131.6 68.8 206.4



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

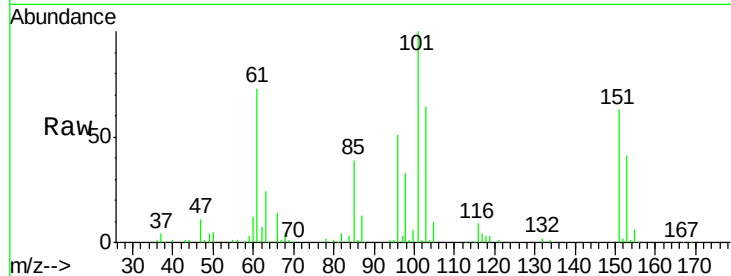




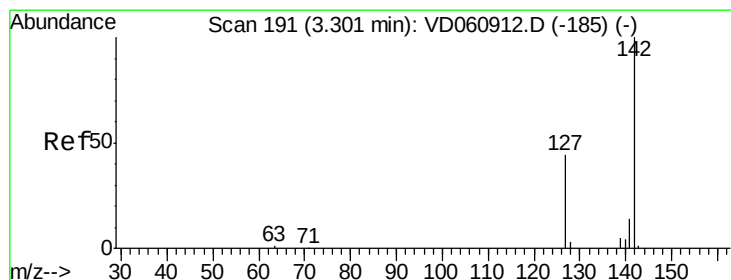
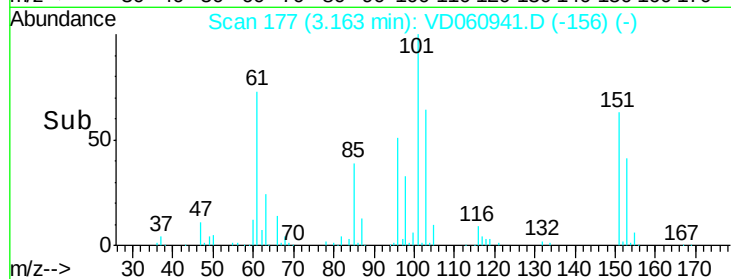
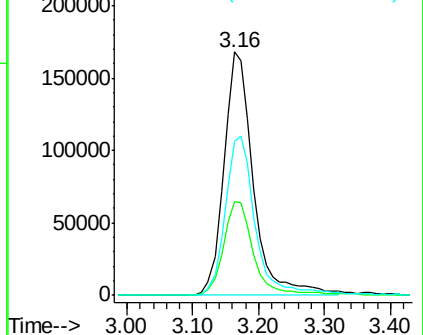
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 54.198 ug/l
 RT: 3.16 min Scan# 177
 Delta R.T. 0.01 min
 Lab File: VD060941.D
 Acq: 5 Mar 2019 11:19

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Tot Ion:101 Resp: 525987
 Ion Ratio Lower Upper
 101 100
 85 38.7 31.0 46.6
 151 63.4 53.8 80.6

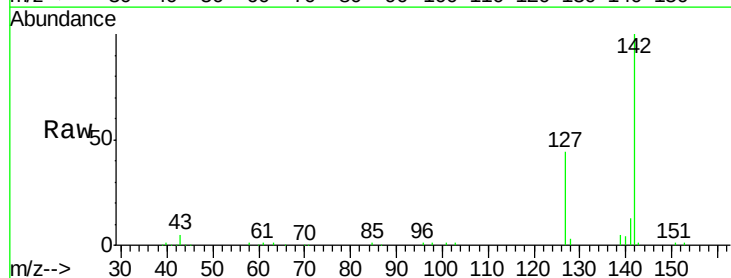


Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 84.95 (84.65 to 85.65): V
 Ion 150.90 (150.60 to 151.60): V

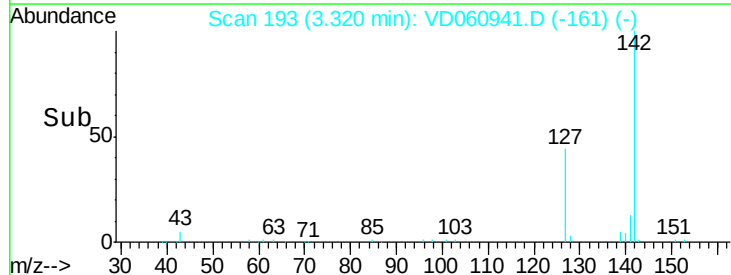
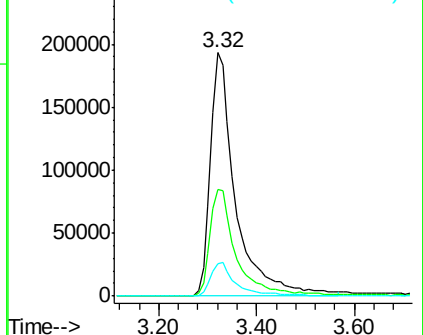


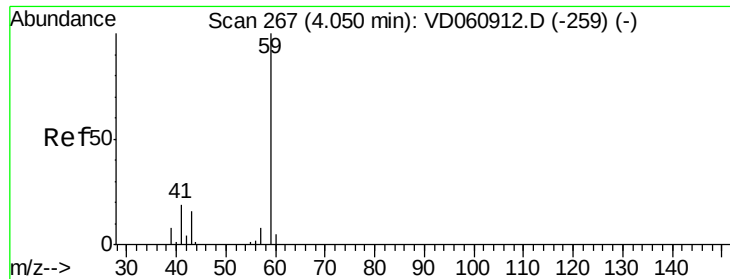
#10
 Methyl Iodide
 Concen: 50.077 ug/l
 RT: 3.32 min Scan# 193
 Delta R.T. 0.02 min
 Lab File: VD060941.D
 Acq: 5 Mar 2019 11:19

Tgt Ion:142 Resp: 699798
 Ion Ratio Lower Upper
 142 100
 127 43.7 35.0 52.6
 141 13.2 11.0 16.4



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



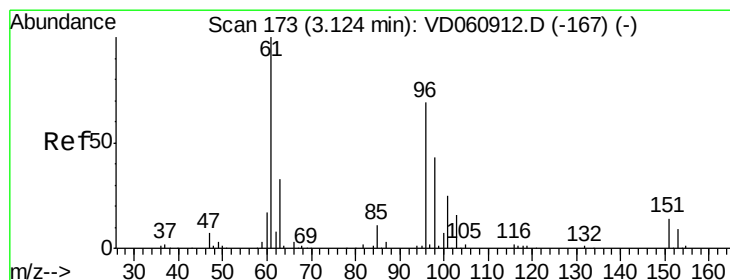
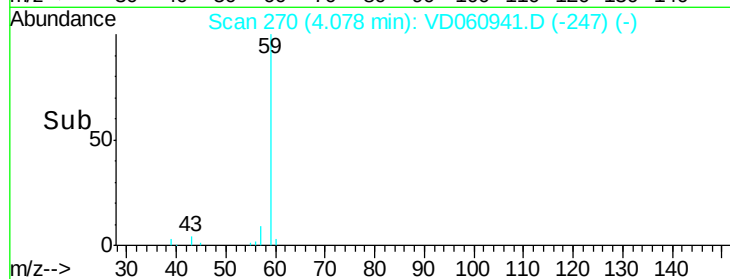
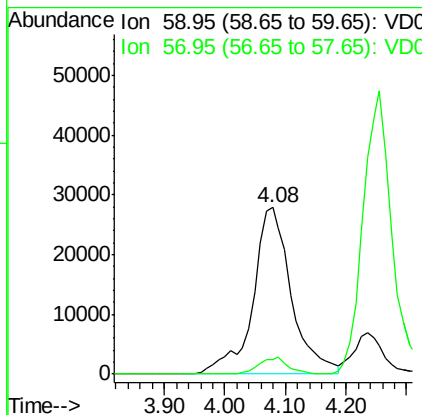
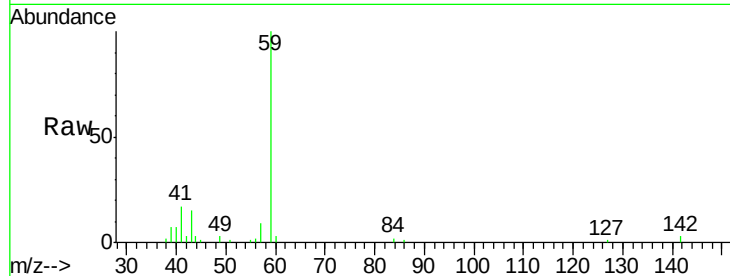


#11

Tert butyl alcohol
Concen: 278.202 ug/l
RT: 4.08 min Scan# 270
Delta R.T. 0.03 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Instrument :
MSVOA_D
ClientSampleId :
BFB

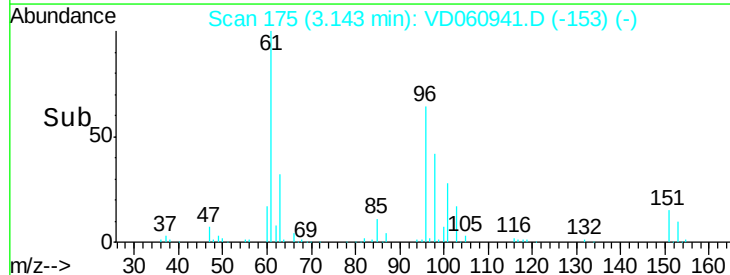
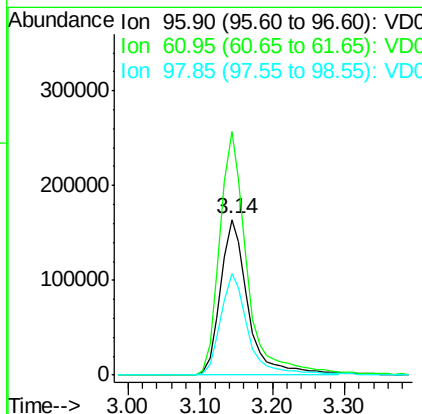
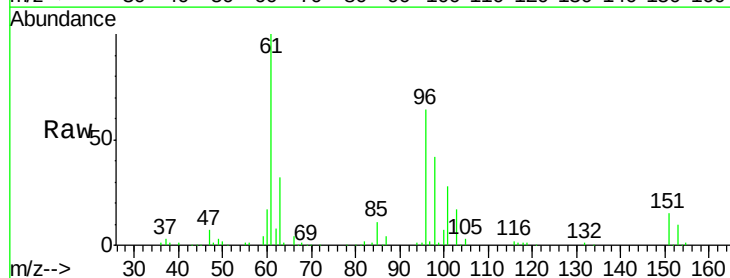
Tot Ion: 59 Resp: 123000
Ion Ratio Lower Upper
59 100
57 9.0 6.5 9.7

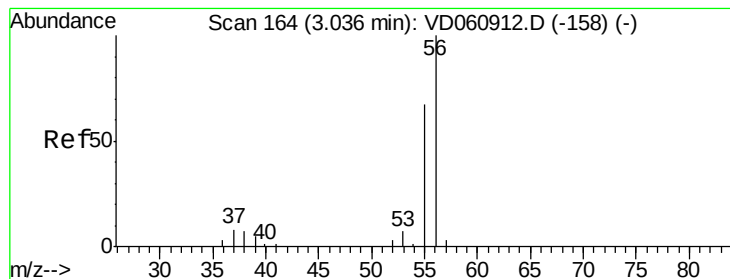


#12

1,1-Dichloroethene
Concen: 52.719 ug/l
RT: 3.14 min Scan# 175
Delta R.T. 0.02 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Tgt Ion: 96 Resp: 433985
Ion Ratio Lower Upper
96 100
61 156.5 116.4 174.6
98 65.6 50.5 75.7





#13

Acrolein

Concen: 199.777 ug/l

RT: 3.04 min Scan# 165

Delta R.T. 0.01 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

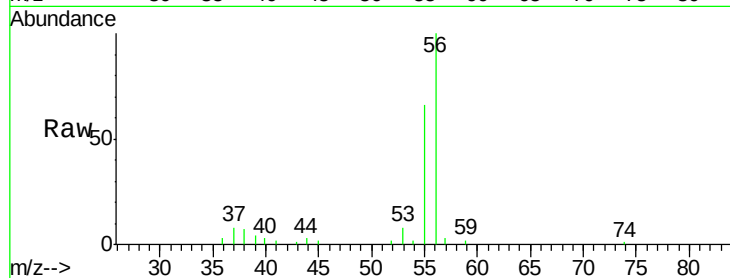
BFB

Tot Ion: 56 Resp: 122316

Ion Ratio Lower Upper

56 100

55 66.2 53.5 80.3



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.04

50000

40000

30000

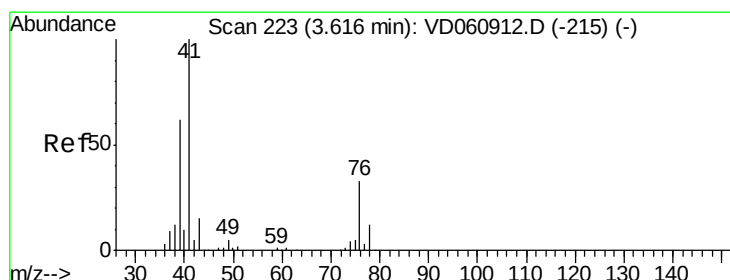
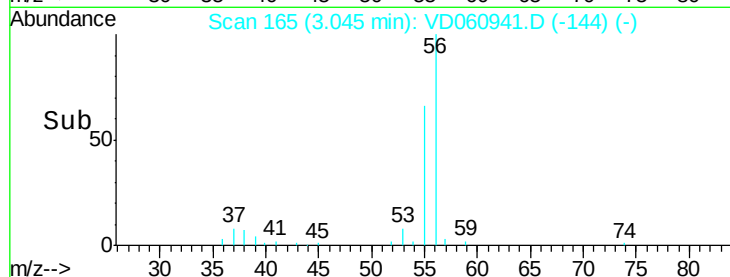
20000

10000

0

Time-->

2.90 3.00 3.10 3.20



#14

Allyl chloride

Concen: 51.743 ug/l

RT: 3.64 min Scan# 225

Delta R.T. 0.02 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

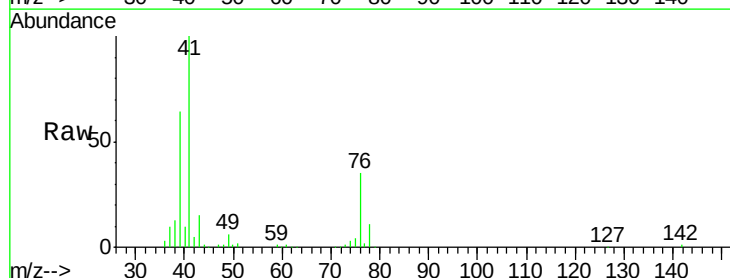
Tgt Ion: 41 Resp: 694759

Ion Ratio Lower Upper

41 100

39 64.2 49.9 74.9

76 34.5 28.6 42.8



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

3.64

250000

200000

150000

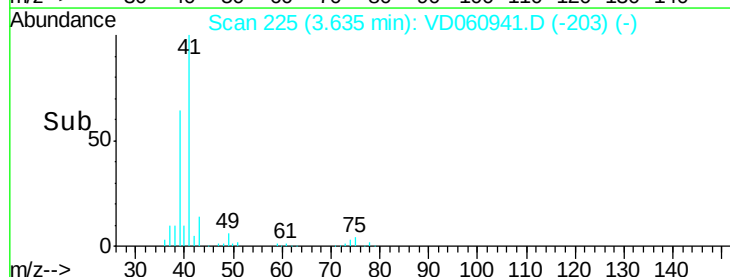
100000

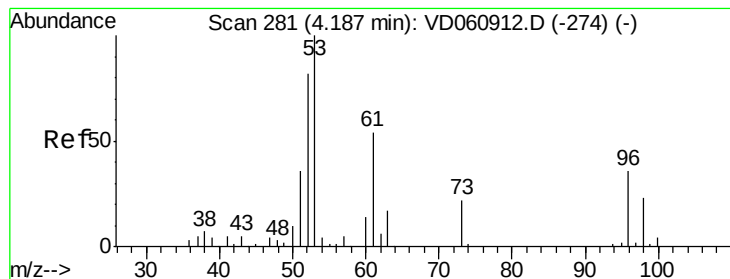
50000

0

Time-->

3.50 3.60 3.70 3.80





#15

Acrylonitrile

Concen: 240.639 ug/l

RT: 4.21 min Scan# 283

Delta R.T. 0.02 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

BFB

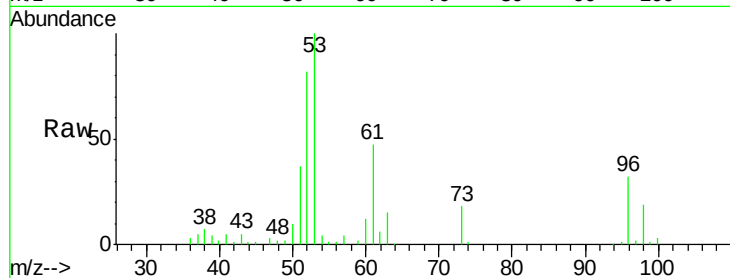
Tot Ion: 53 Resp: 407372

Ion Ratio Lower Upper

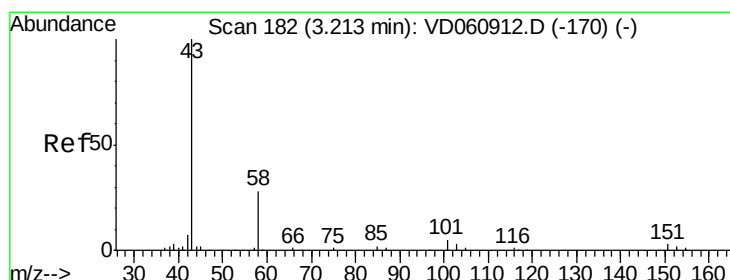
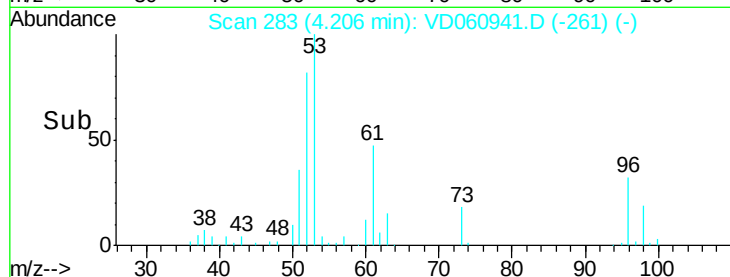
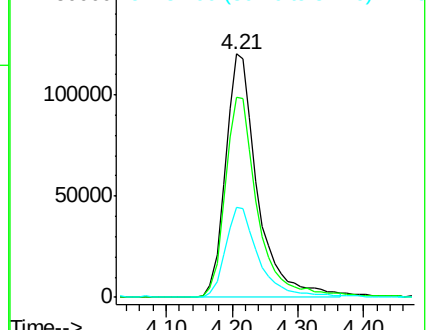
53 100

52 82.0 65.8 98.6

51 36.8 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 302.772 ug/l

RT: 3.23 min Scan# 184

Delta R.T. 0.02 min

Lab File: VD060941.D

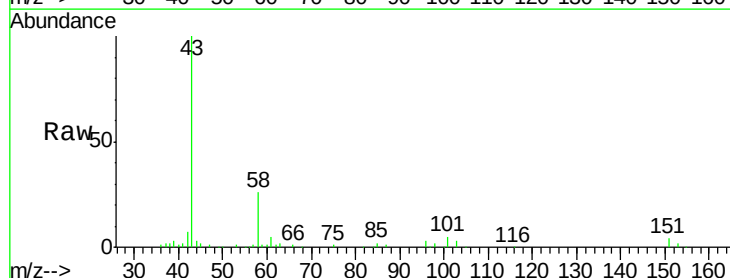
Acq: 5 Mar 2019 11:19

Tgt Ion: 43 Resp: 599685

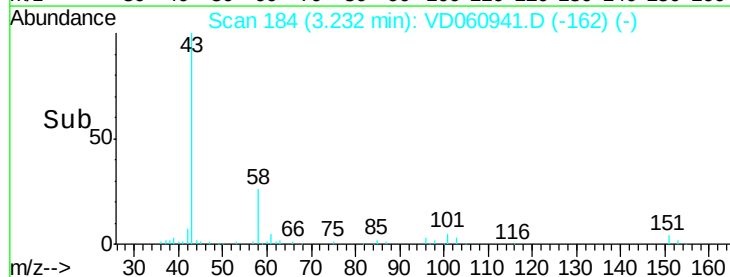
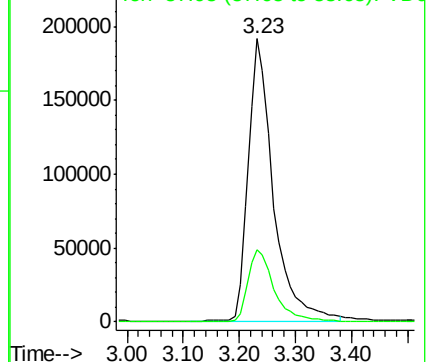
Ion Ratio Lower Upper

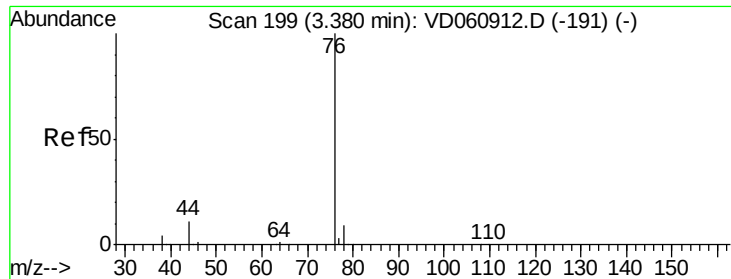
43 100

58 25.7 22.8 34.2



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





#17

Carbon Disulfide

Concen: 50.585 ug/l

RT: 3.39 min Scan# 200

Delta R.T. 0.01 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

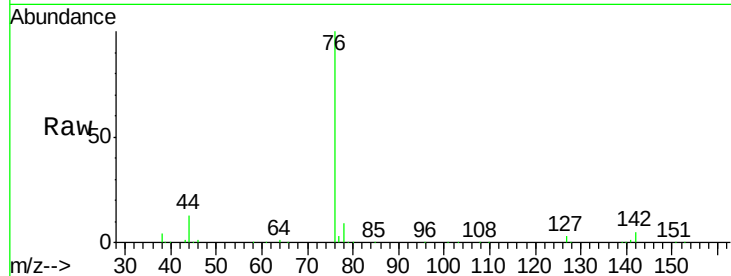
BFB

Tot Ion: 76 Resp: 1476098

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.39

500000

400000

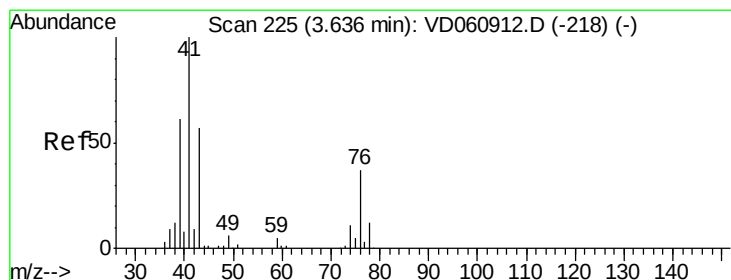
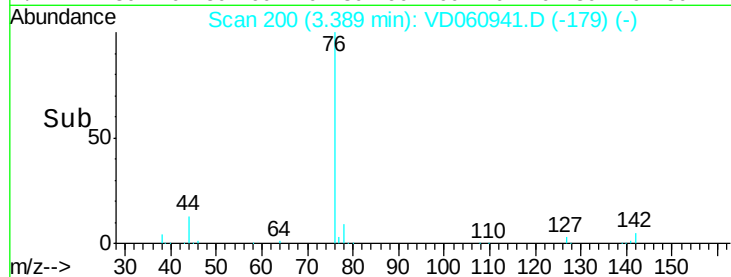
300000

200000

100000

0

Time-->



#18

Methyl Acetate

Concen: 50.195 ug/l

RT: 3.65 min Scan# 227

Delta R.T. 0.02 min

Lab File: VD060941.D

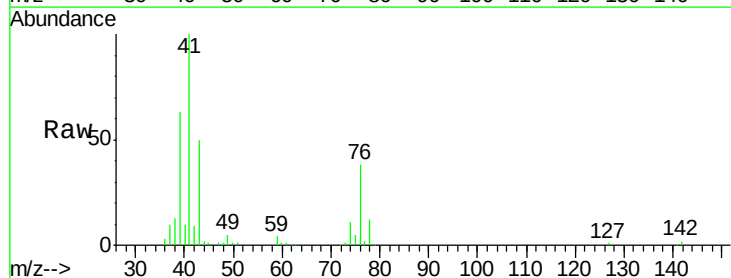
Acq: 5 Mar 2019 11:19

Tgt Ion: 43 Resp: 203570

Ion Ratio Lower Upper

43 100

74 21.3 16.1 24.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.65

80000

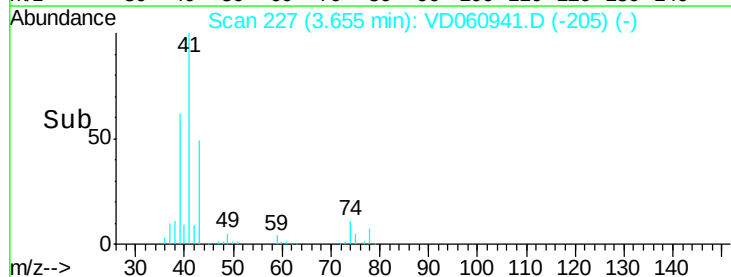
60000

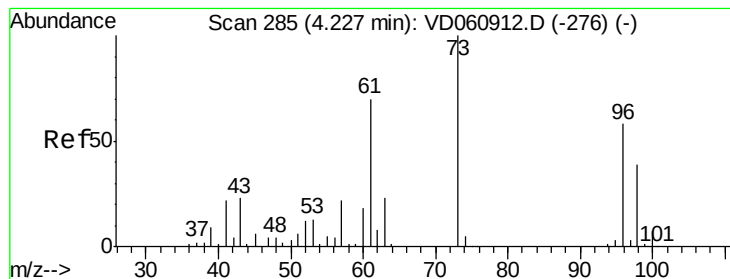
40000

20000

0

Time-->



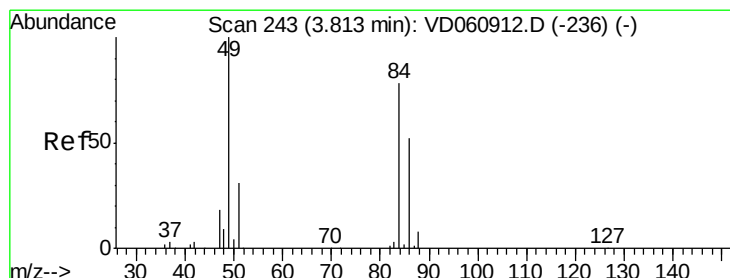
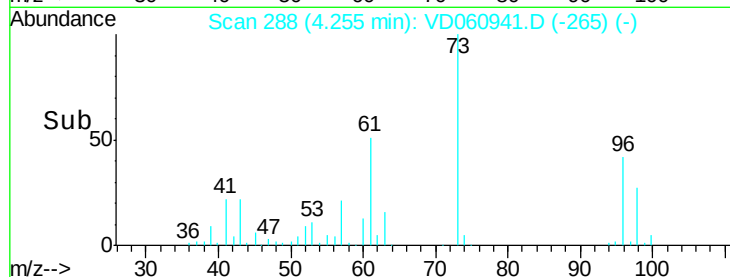
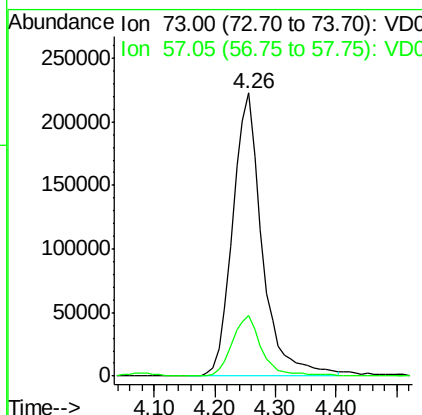
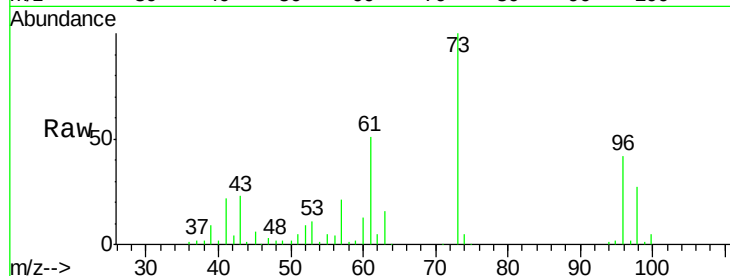


#19

Methyl tert-butyl Ether
 Concen: 52.124 ug/l
 RT: 4.26 min Scan# 288
 Delta R.T. 0.03 min
 Lab File: VD060941.D
 Acq: 5 Mar 2019 11:19

Instrument :
 MSVOA_D
 ClientSampleID :
 BFB

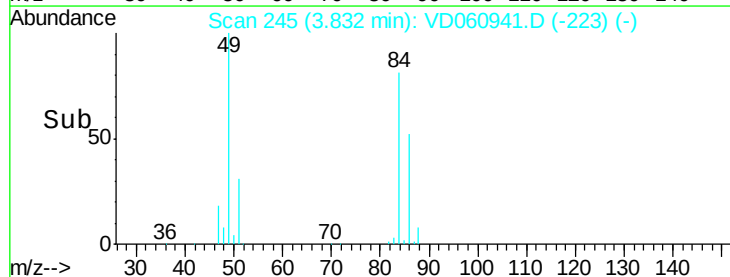
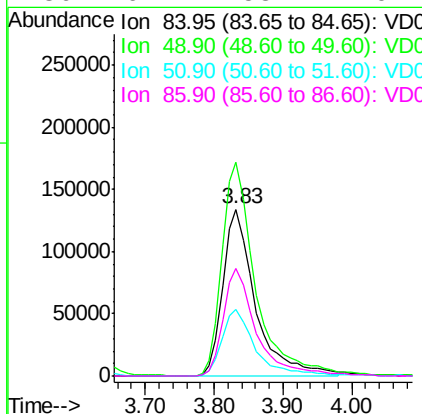
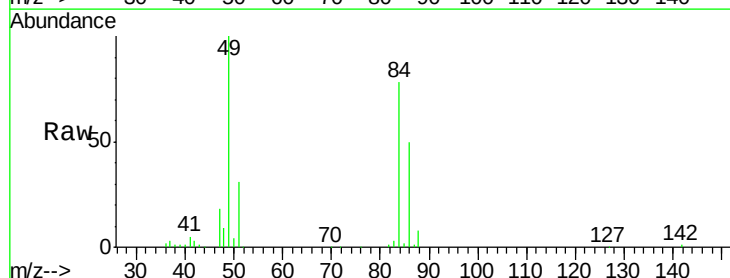
Tot Ion: 73 Resp: 754727
 Ion Ratio Lower Upper
 73 100
 57 21.3 17.8 26.6

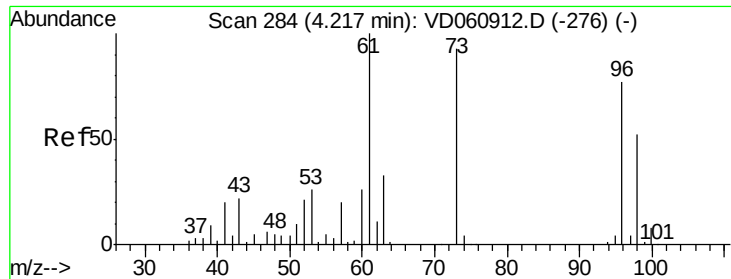


#20

Methylene Chloride
 Concen: 46.602 ug/l
 RT: 3.83 min Scan# 245
 Delta R.T. 0.02 min
 Lab File: VD060941.D
 Acq: 5 Mar 2019 11:19

Tgt Ion: 84 Resp: 440439
 Ion Ratio Lower Upper
 84 100
 49 128.1 102.4 153.6
 51 39.6 31.9 47.9
 86 64.4 53.1 79.7





#21

trans-1,2-Dichloroethene

Concen: 52.791 ug/l

RT: 4.24 min Scan# 286

Delta R.T. 0.02 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

BFB

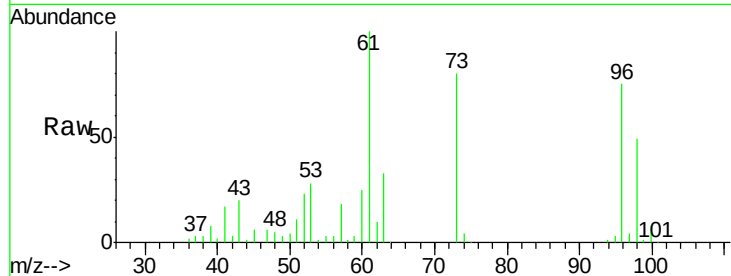
Tot Ion: 96 Resp: 473104

Ion Ratio Lower Upper

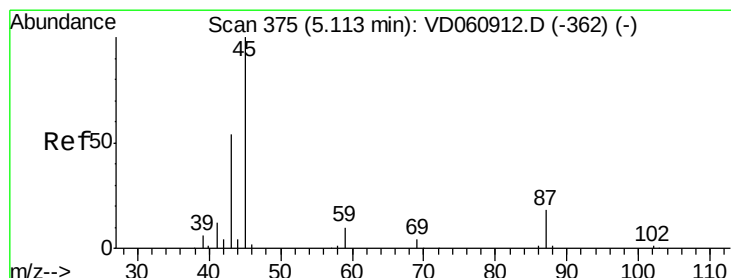
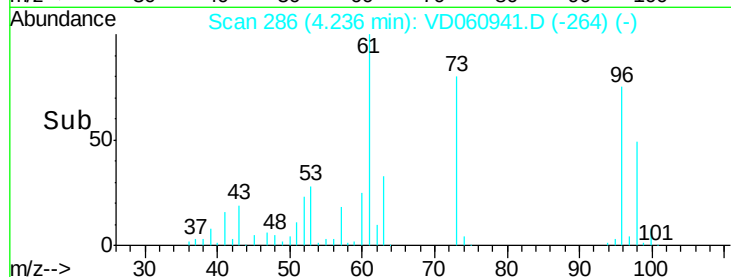
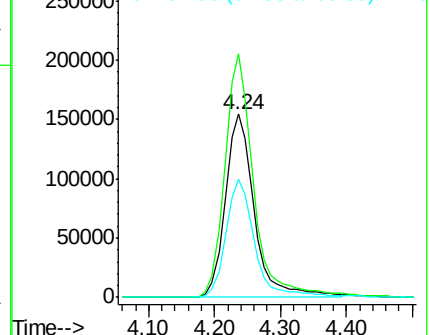
96 100

61 133.0 103.4 155.2

98 64.8 53.6 80.4



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: 48.784 ug/l

RT: 5.14 min Scan# 378

Delta R.T. 0.03 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

Tgt Ion: 45 Resp: 1390865

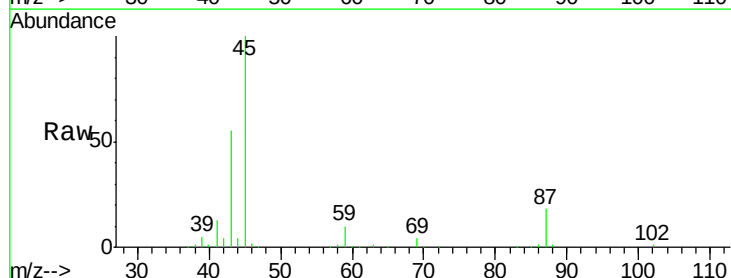
Ion Ratio Lower Upper

45 100

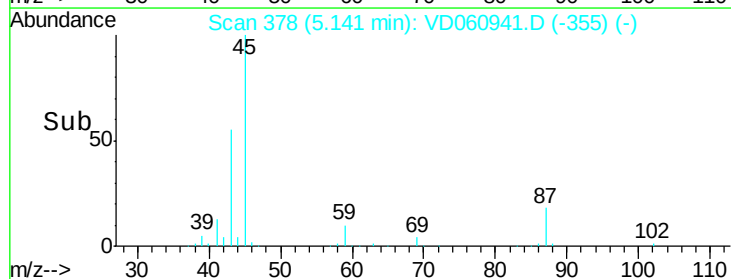
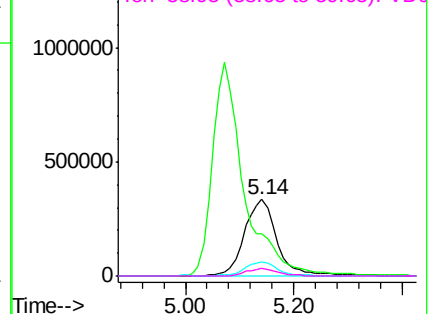
43 54.6 44.4 66.6

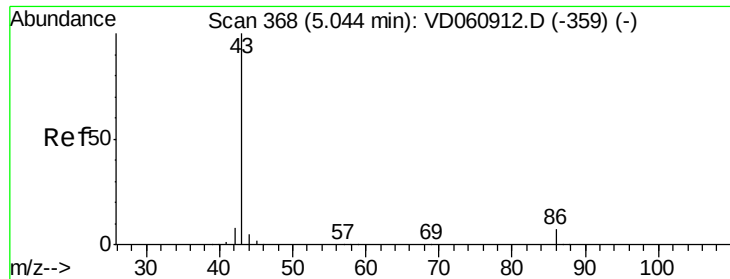
87 18.4 14.7 22.1

59 10.0 7.9 11.9



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

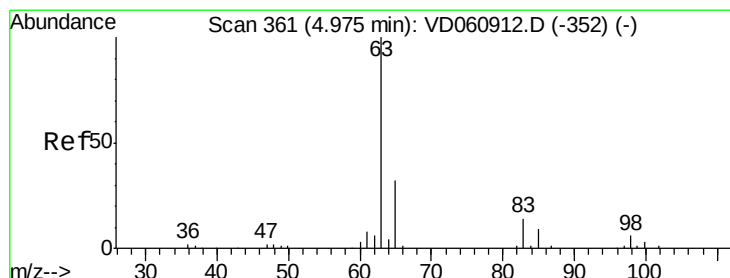
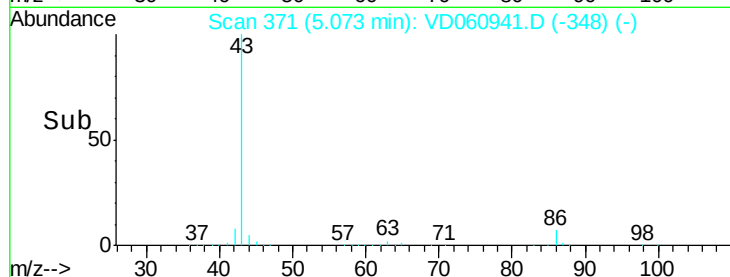
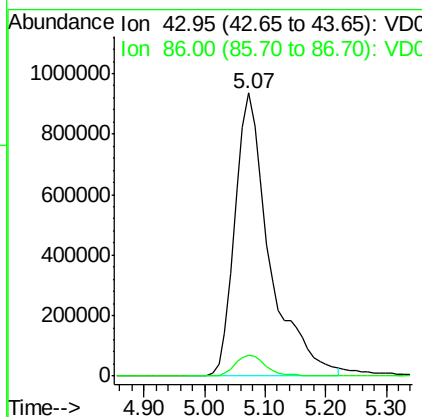
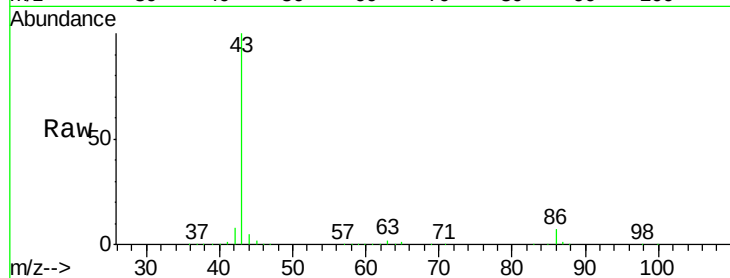




#23
 Vinyl Acetate
 Concen: 248.630 ug/l
 RT: 5.07 min Scan# 371
 Delta R.T. 0.03 min
 Lab File: VD060941.D
 Acq: 5 Mar 2019 11:19

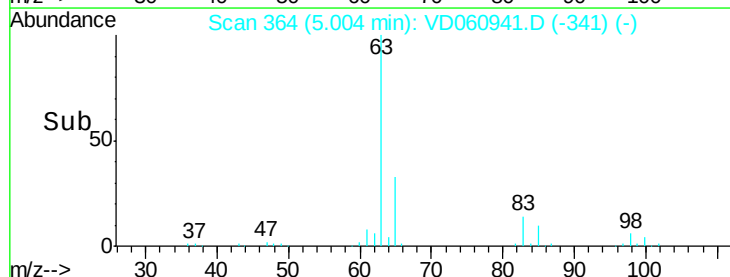
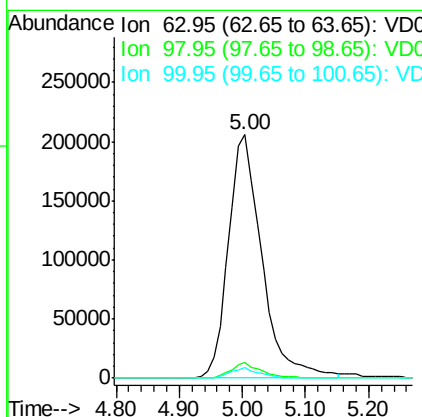
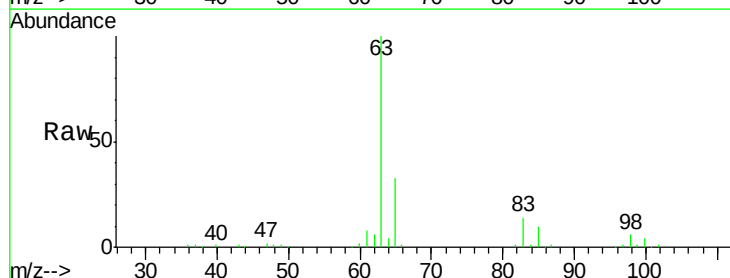
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

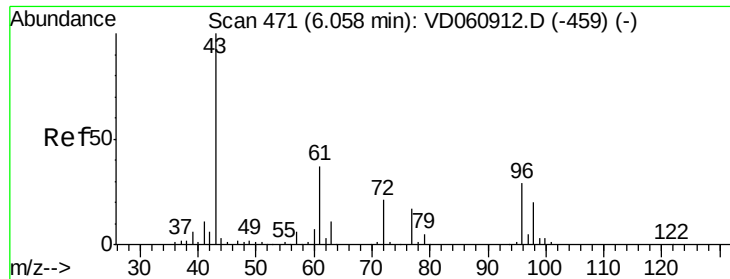
Tot Ion: 43 Resp: 3722555
 Ion Ratio Lower Upper
 43 100
 86 7.5 5.8 8.8



#24
 1,1-Dichloroethane
 Concen: 49.737 ug/l
 RT: 5.00 min Scan# 364
 Delta R.T. 0.03 min
 Lab File: VD060941.D
 Acq: 5 Mar 2019 11:19

Tgt Ion: 63 Resp: 756285
 Ion Ratio Lower Upper
 63 100
 98 6.2 2.9 8.8
 100 4.2 1.7 5.1

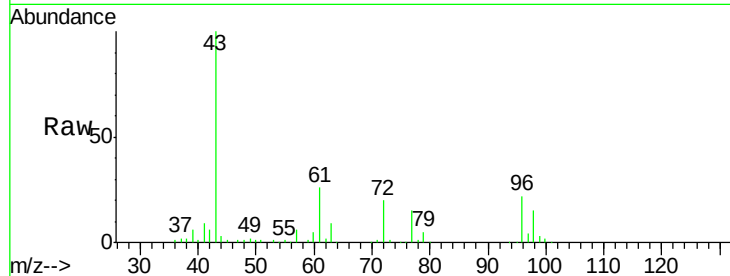




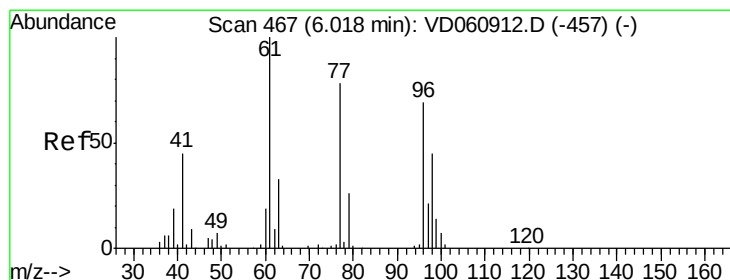
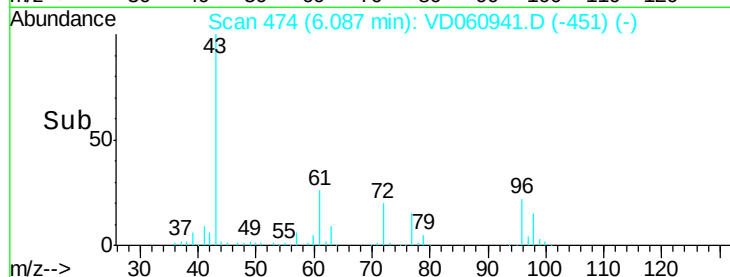
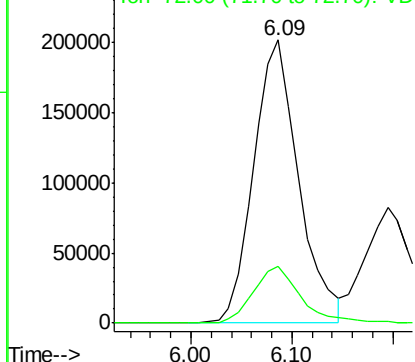
#25
2-Butanone
Concen: 253.987 ug/l
RT: 6.09 min Scan# 474
Delta R.T. 0.03 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tot Ion: 43 Resp: 624051
Ion Ratio Lower Upper
43 100
72 20.2 17.0 25.4

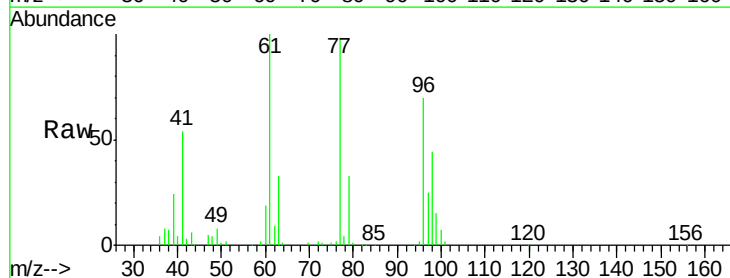


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 72.00 (71.70 to 72.70): VDC

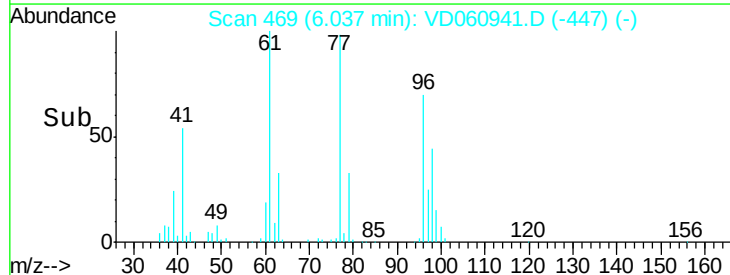
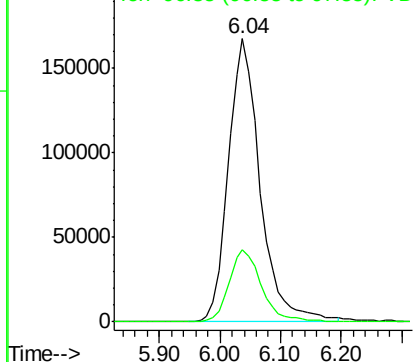


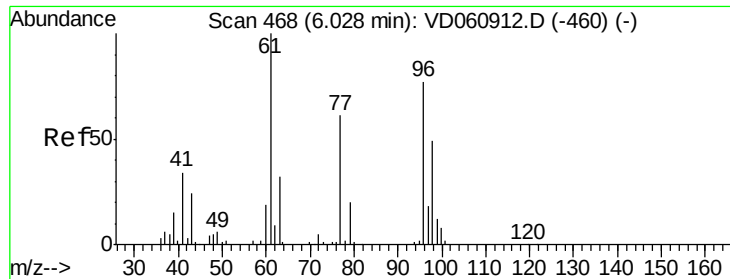
#26
2,2-Dichloropropane
Concen: 53.996 ug/l
RT: 6.04 min Scan# 469
Delta R.T. 0.02 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Tgt Ion: 77 Resp: 609923
Ion Ratio Lower Upper
77 100
97 25.6 13.5 40.4



Abundance Ion 76.95 (76.65 to 77.65): VDC
Ion 96.85 (96.55 to 97.55): VDC



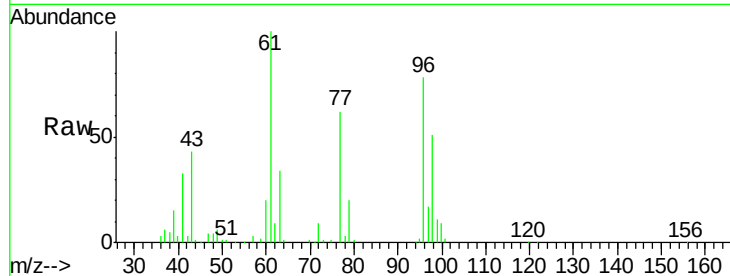


#27

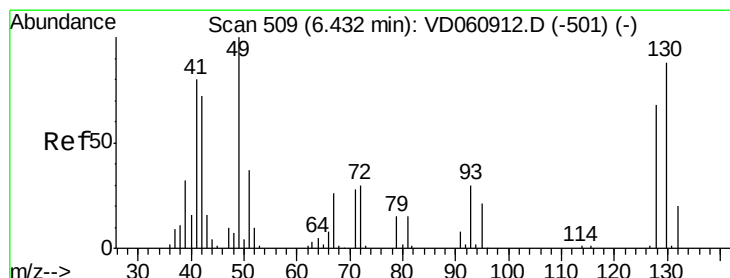
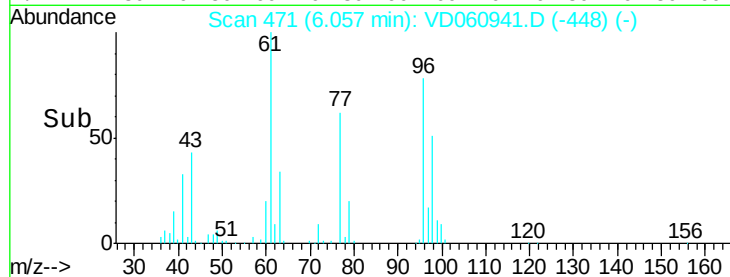
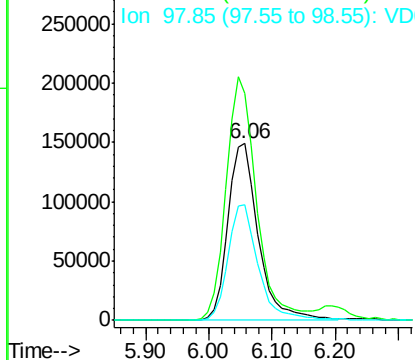
cis-1,2-Dichloroethene
Concen: 48.799 ug/l
RT: 6.06 min Scan# 471
Delta R.T. 0.03 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Instrument :
MSVOA_D
ClientSampled :
BFB

Tot Ion: 96 Resp: 495857
Ion Ratio Lower Upper
96 100
61 128.7 0.0 258.8
98 65.2 0.0 126.4



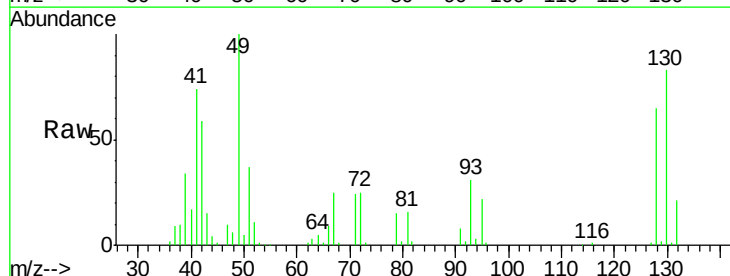
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



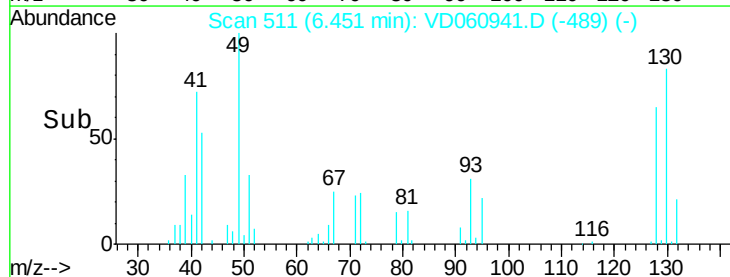
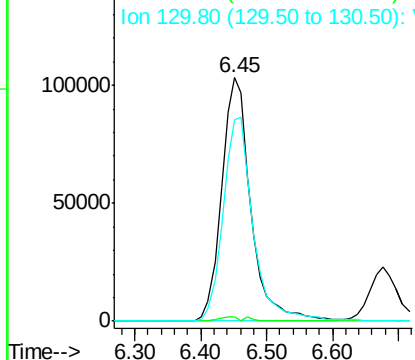
#28

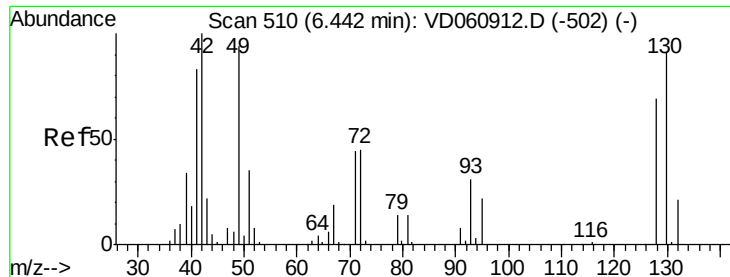
Bromochloromethane
Concen: 50.159 ug/l
RT: 6.45 min Scan# 511
Delta R.T. 0.02 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Tgt Ion: 49 Resp: 320360
Ion Ratio Lower Upper
49 100
129 2.0 0.0 0.0#
130 82.8 70.4 105.6



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

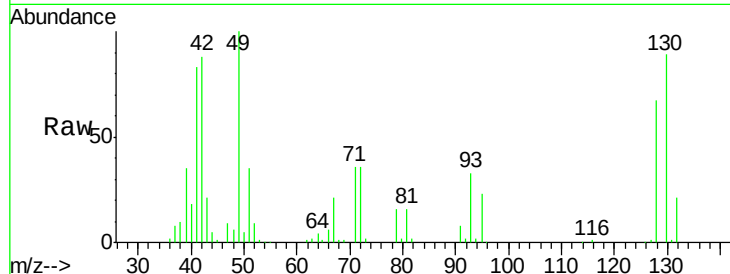




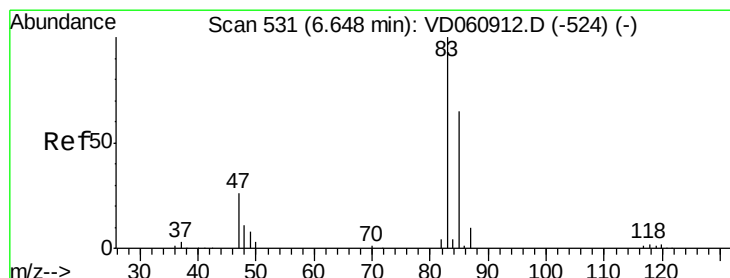
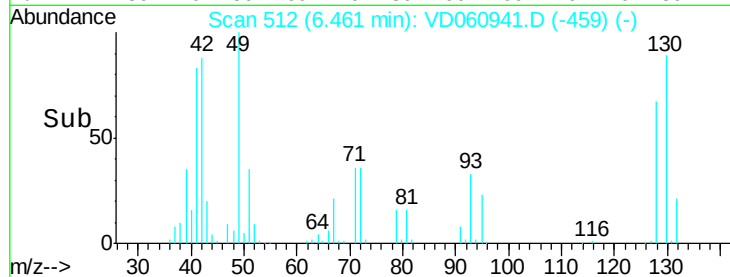
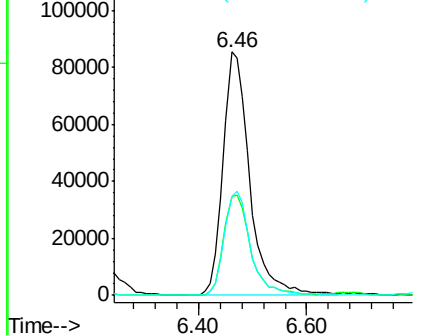
#29
Tetrahydrofuran
Concen: 232.311 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.02 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tot Ion: 42 Resp: 293804
Ion Ratio Lower Upper
42 100
72 41.4 33.8 50.6
71 42.1 33.5 50.3

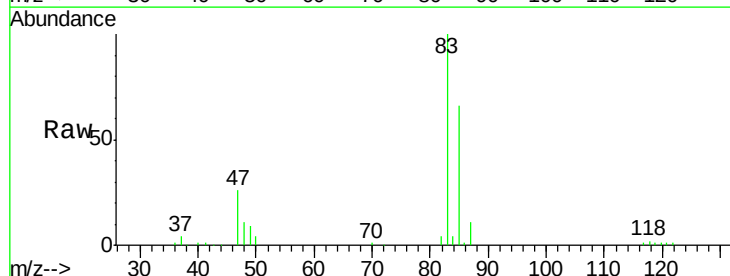


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

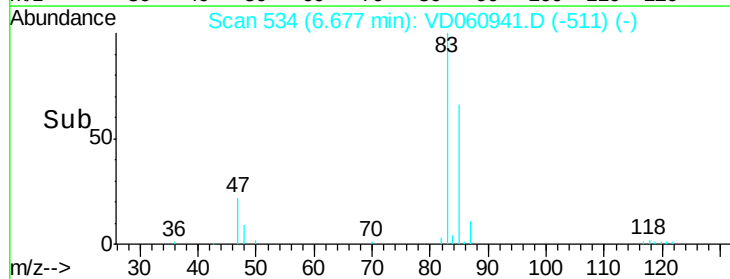
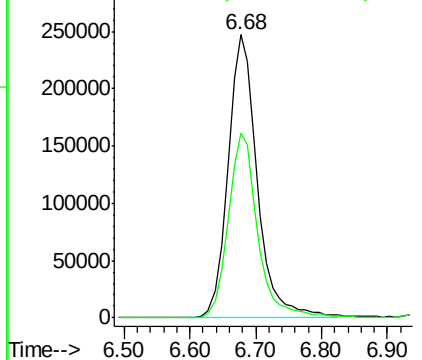


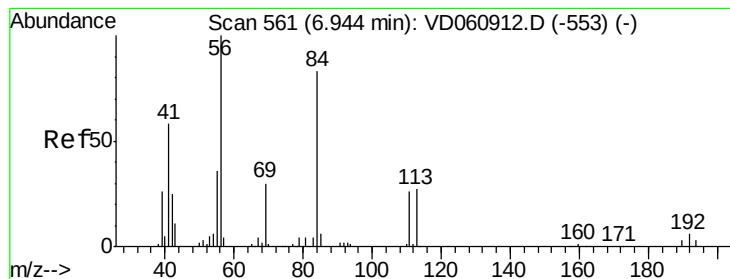
#30
Chloroform
Concen: 51.997 ug/l
RT: 6.68 min Scan# 534
Delta R.T. 0.03 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Tgt Ion: 83 Resp: 766832
Ion Ratio Lower Upper
83 100
85 65.5 51.7 77.5



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





#31

Cyclohexane

Concen: 51.699 ug/l

RT: 6.96 min Scan# 563

Delta R.T. 0.02 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

BFB

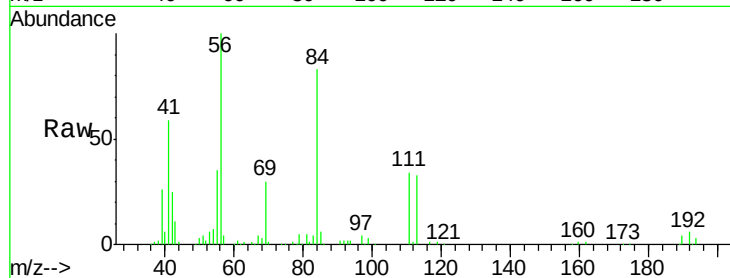
Tot Ion: 56 Resp: 677058

Ion Ratio Lower Upper

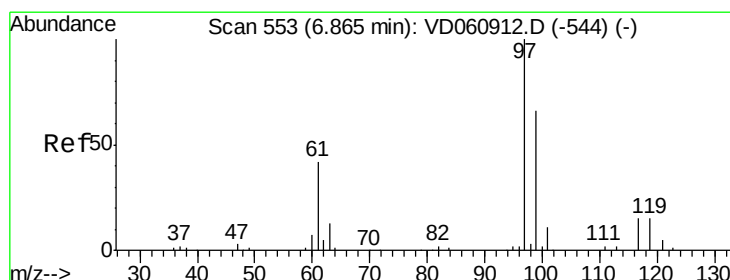
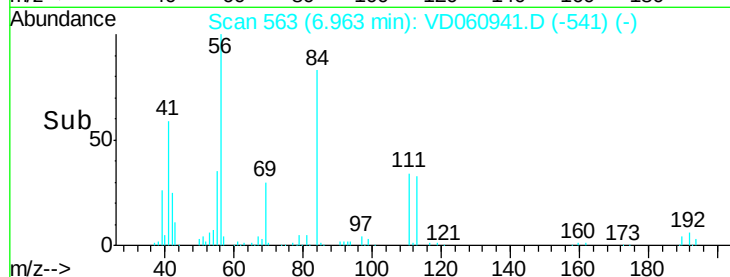
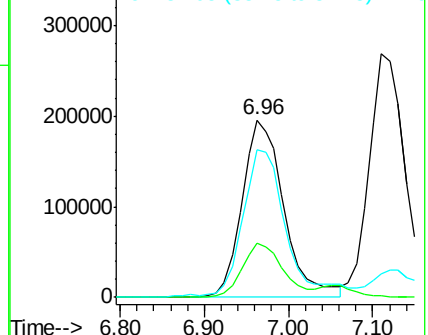
56 100

69 30.3 23.6 35.4

84 83.4 66.5 99.7



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



#32

1,1,1-Trichloroethane

Concen: 52.824 ug/l

RT: 6.88 min Scan# 555

Delta R.T. 0.02 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

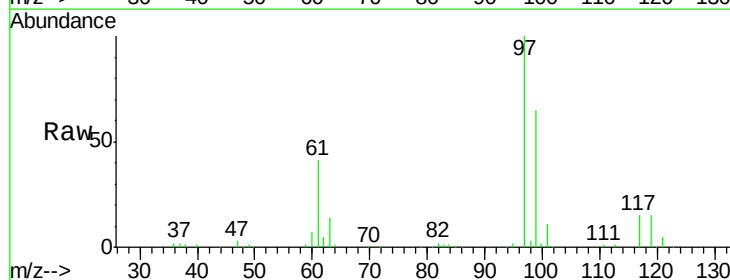
Tgt Ion: 97 Resp: 667076

Ion Ratio Lower Upper

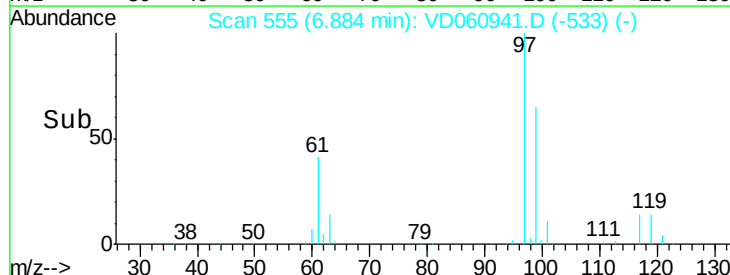
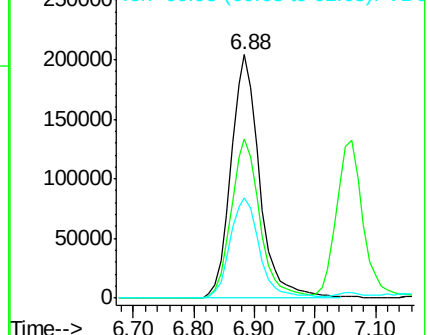
97 100

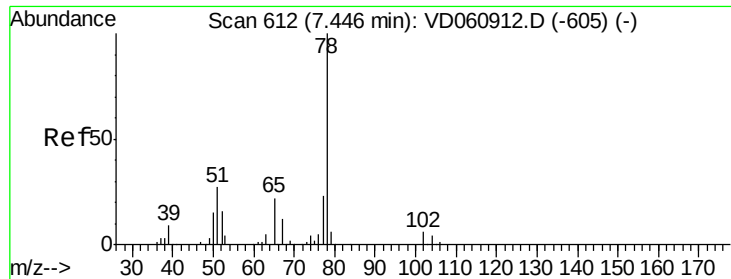
99 65.3 52.8 79.2

61 41.0 33.3 49.9



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

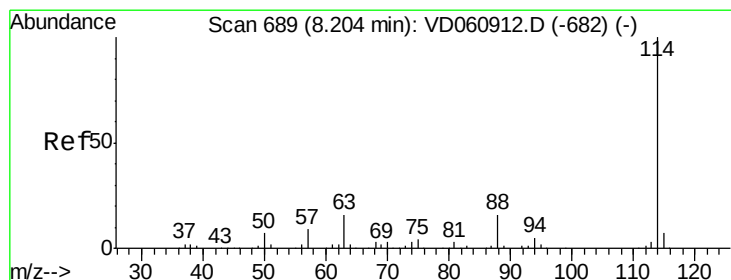
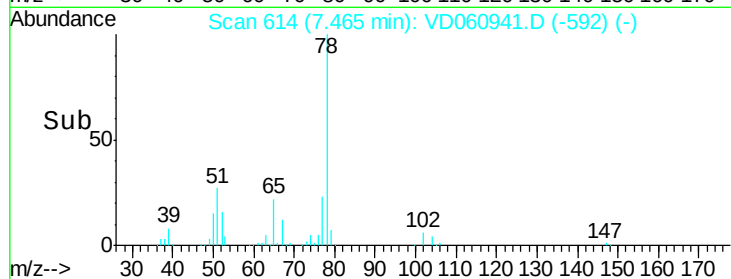
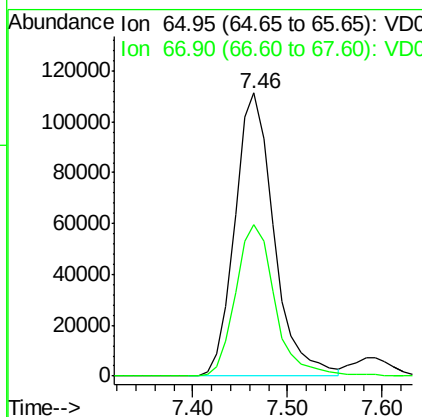
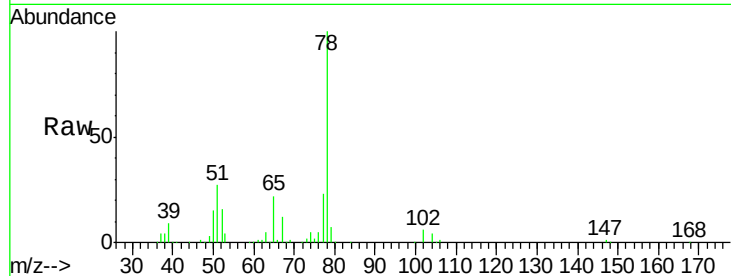




#33
 1,2-Dichloroethane-d4
 Concen: 52.824 ug/l
 RT: 7.46 min Scan# 614
 Delta R.T. 0.02 min
 Lab File: VD060941.D
 Acq: 5 Mar 2019 11:19

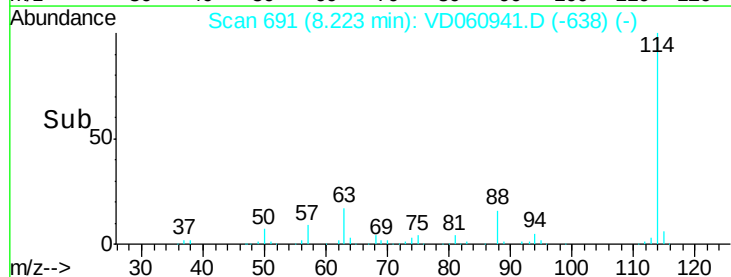
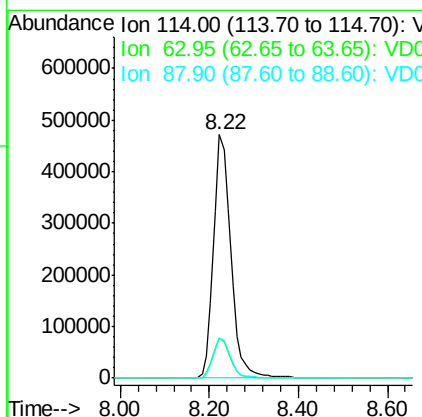
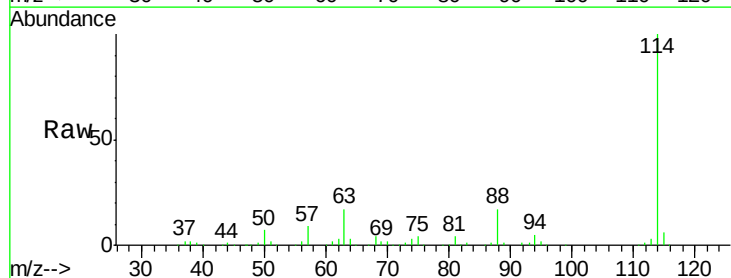
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

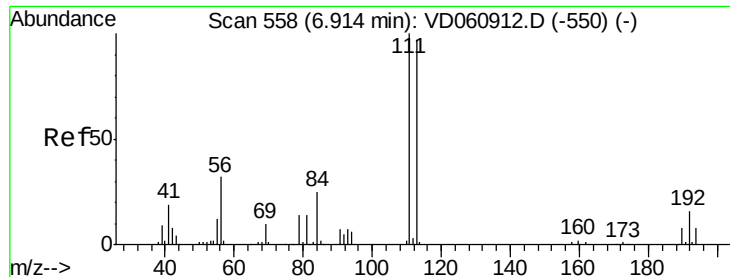
Tot Ion: 65 Resp: 318806
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 109.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 691
 Delta R.T. 0.02 min
 Lab File: VD060941.D
 Acq: 5 Mar 2019 11:19

Tgt Ion: 114 Resp: 1274482
 Ion Ratio Lower Upper
 114 100
 63 16.6 0.0 32.0
 88 16.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.93 min Scan# 560

Delta R.T. 0.02 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

BFB

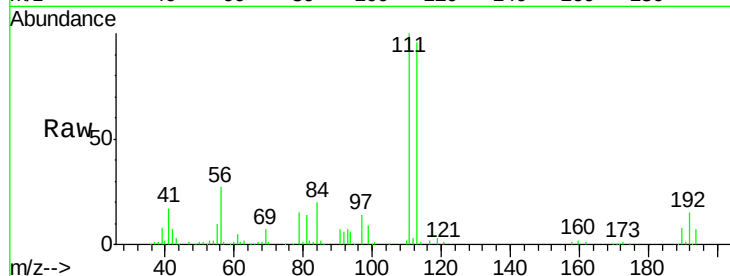
Tot Ion:113 Resp: 502399

Ion Ratio Lower Upper

113 100

111 104.3 82.6 124.0

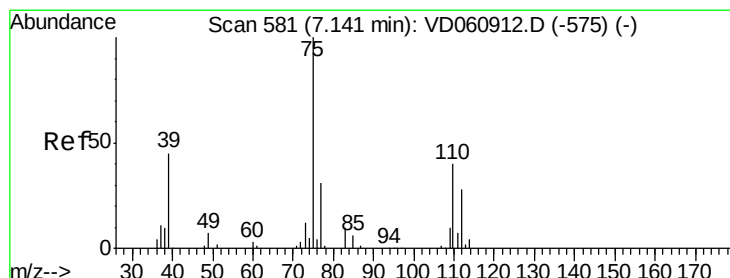
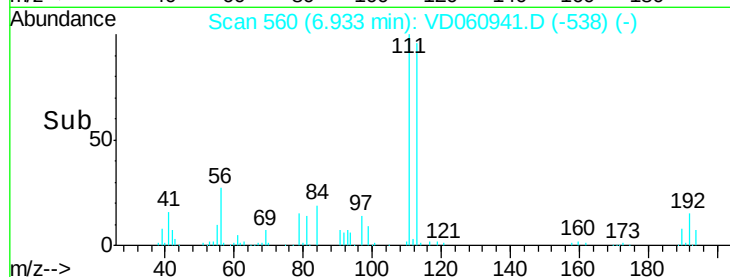
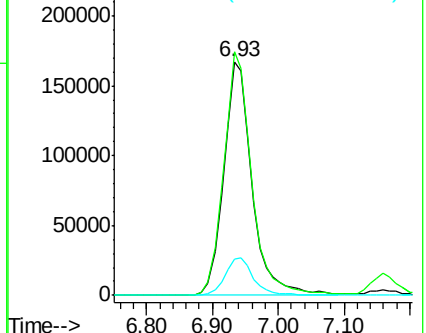
192 15.3 13.4 20.2



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: 52.088 ug/l

RT: 7.16 min Scan# 583

Delta R.T. 0.02 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

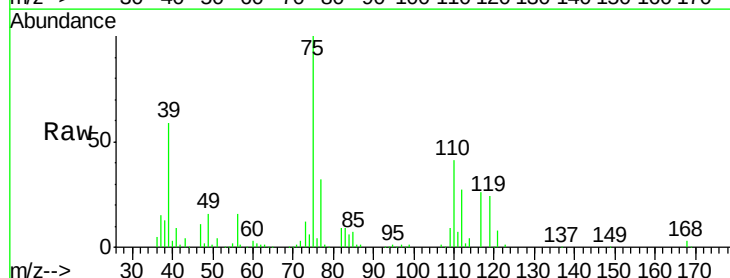
Tgt Ion: 75 Resp: 610369

Ion Ratio Lower Upper

75 100

110 40.5 19.9 59.7

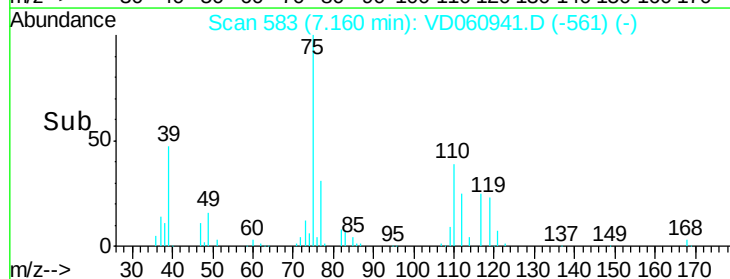
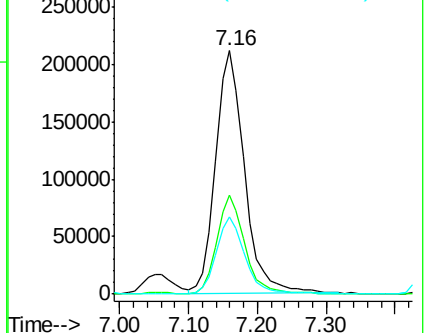
77 31.5 25.0 37.6

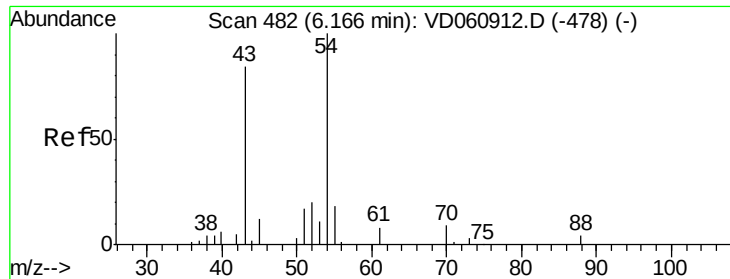


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

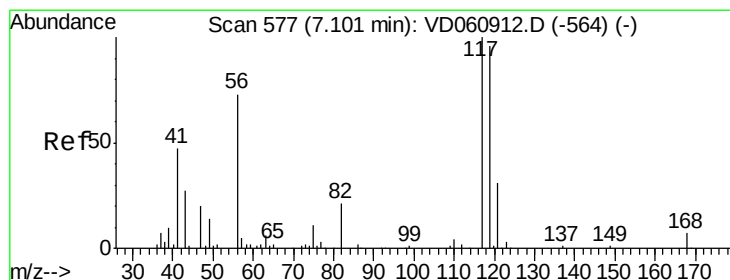
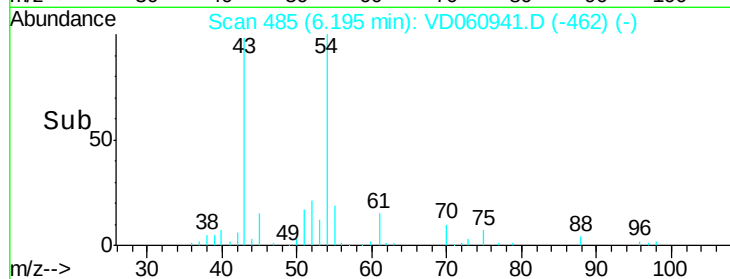
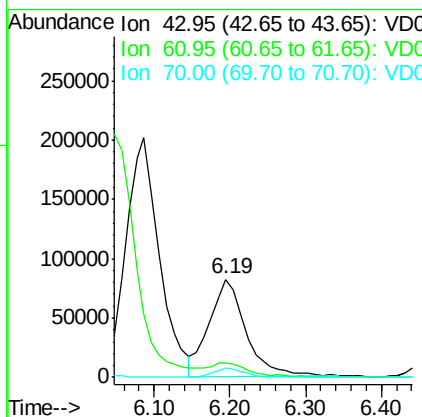
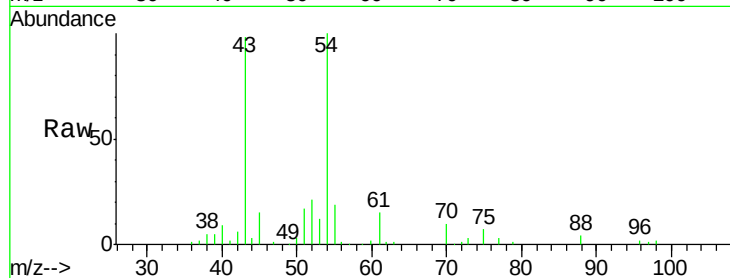




#37
Ethyl Acetate
Concen: 45.237 ug/l
RT: 6.19 min Scan# 485
Delta R.T. 0.03 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

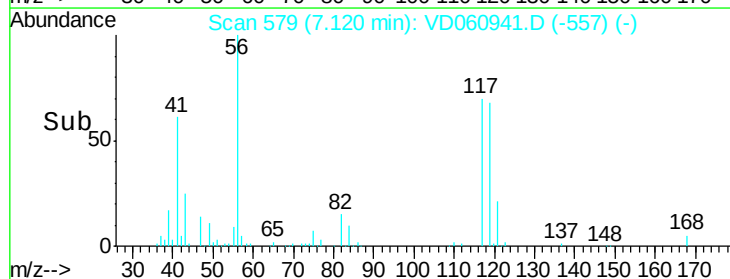
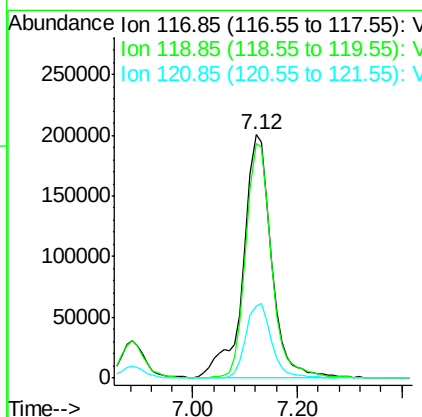
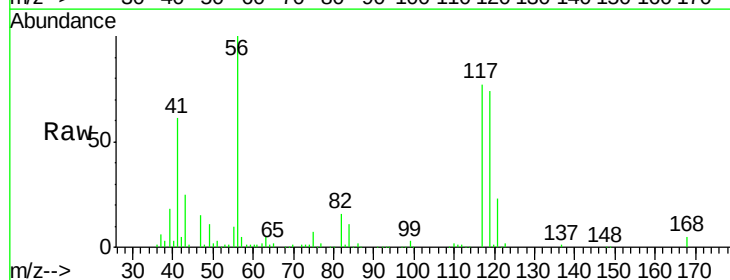
Instrument :
MSVOA_D
ClientSampled :
BFB

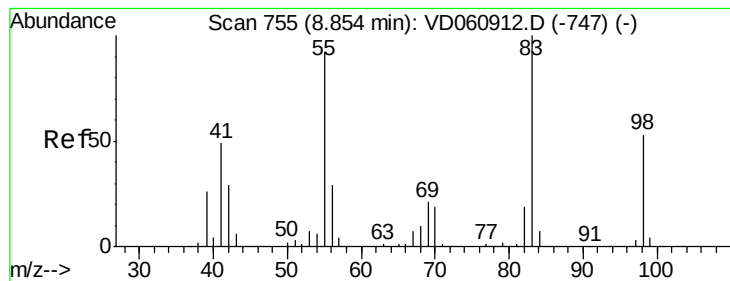
Tot Ion: 43 Resp: 272497
Ion Ratio Lower Upper
43 100
61 15.2 12.1 18.1
70 9.8 7.3 10.9



#38
Carbon Tetrachloride
Concen: 57.192 ug/l
RT: 7.12 min Scan# 579
Delta R.T. 0.02 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Tgt Ion: 117 Resp: 719997
Ion Ratio Lower Upper
117 100
119 96.6 76.9 115.3
121 29.7 24.5 36.7





#39

Methylvlcyclohexane

Concen: 53.368 ug/l

RT: 8.87 min Scan# 757

Delta R.T. 0.02 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

BFB

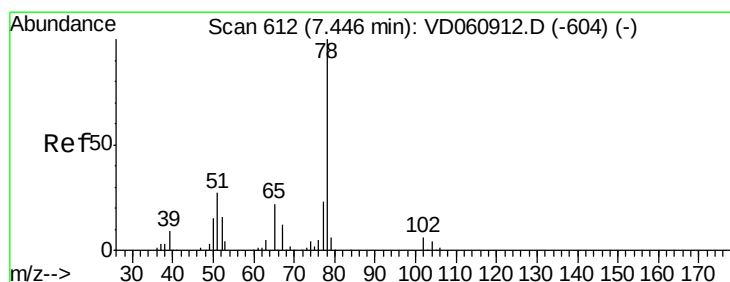
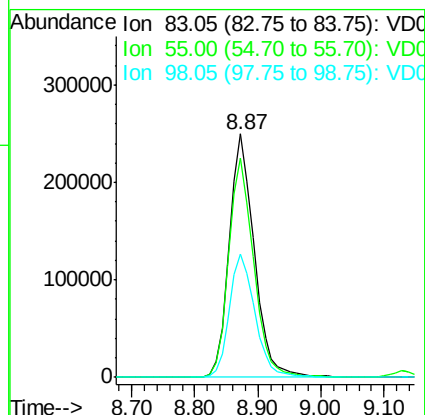
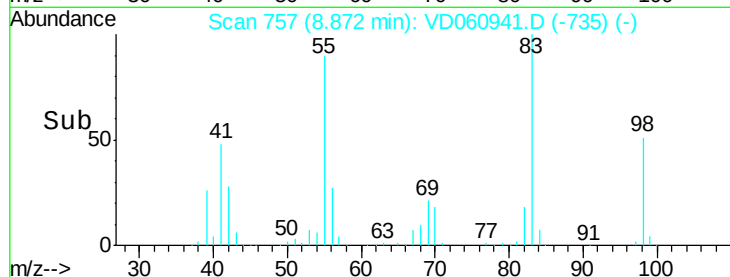
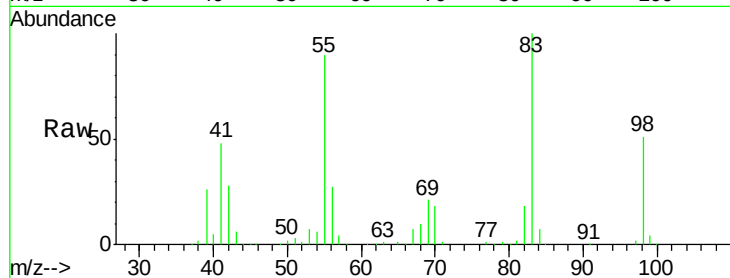
Tot Ion: 83 Resp: 683590

Ion Ratio Lower Upper

83 100

55 90.2 73.8 110.8

98 50.7 42.4 63.6



#40

Benzene

Concen: 50.609 ug/l

RT: 7.46 min Scan# 614

Delta R.T. 0.02 min

Lab File: VD060941.D

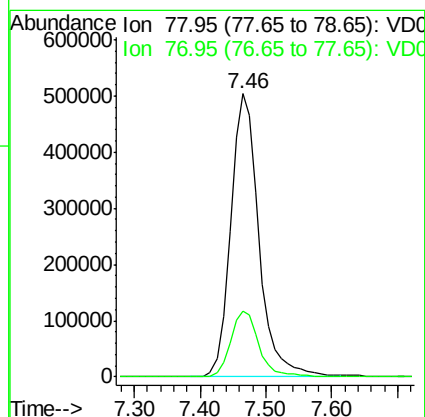
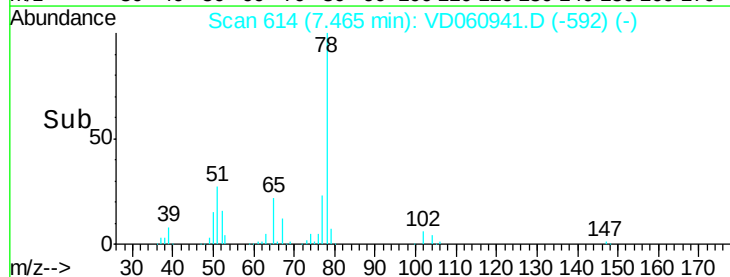
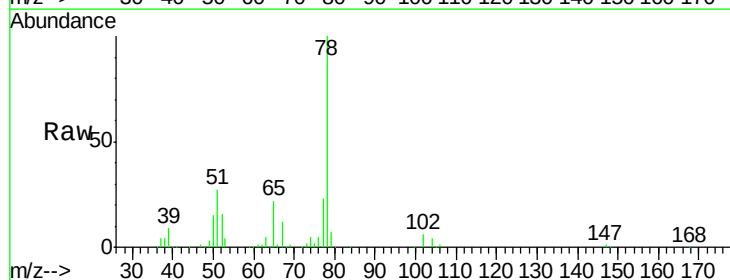
Acq: 5 Mar 2019 11:19

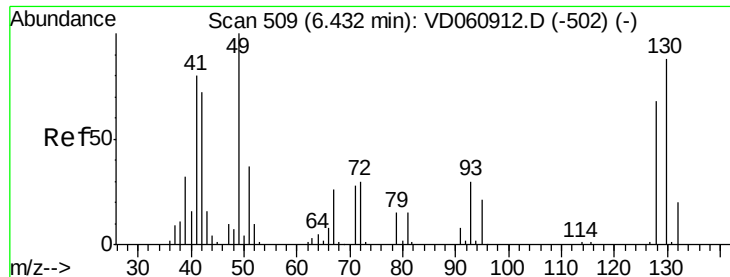
Tgt Ion: 78 Resp: 1510296

Ion Ratio Lower Upper

78 100

77 23.0 18.4 27.6

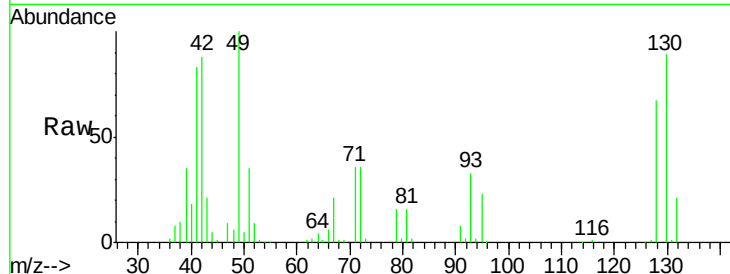




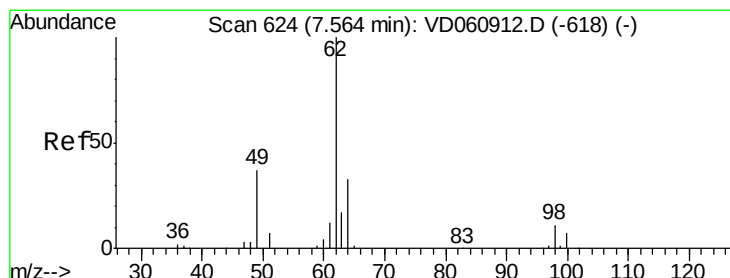
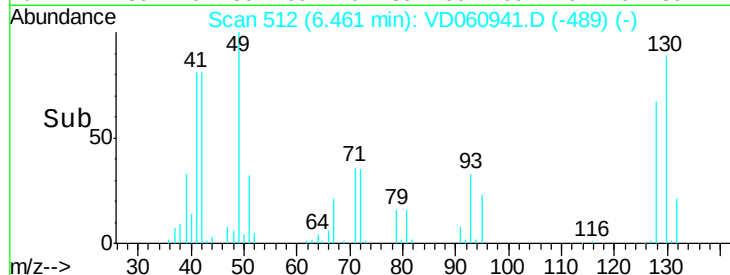
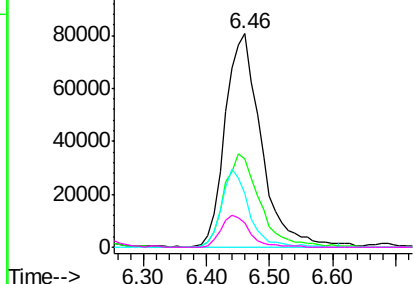
#41
Methacrylonitrile
Concen: 84.557 ug/l
RT: 6.46 min Scan# 512
Delta R.T. 0.03 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tot Ion: 41 Resp: 318208
Ion Ratio Lower Upper
41 100
39 41.7 32.1 48.1
67 25.2 25.6 38.4#
52 11.1 9.7 14.5

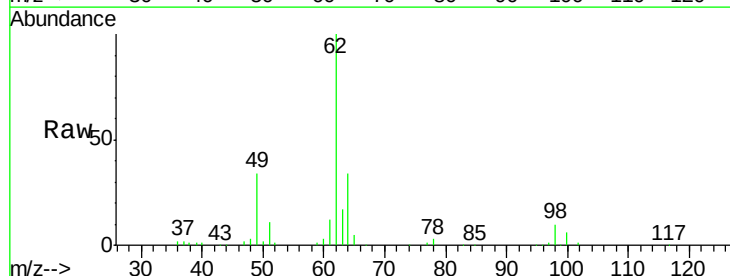


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

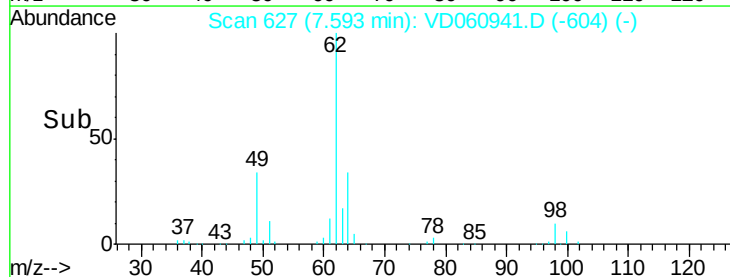
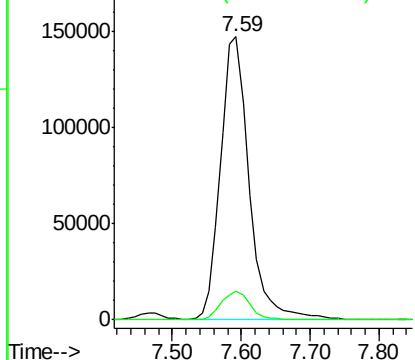


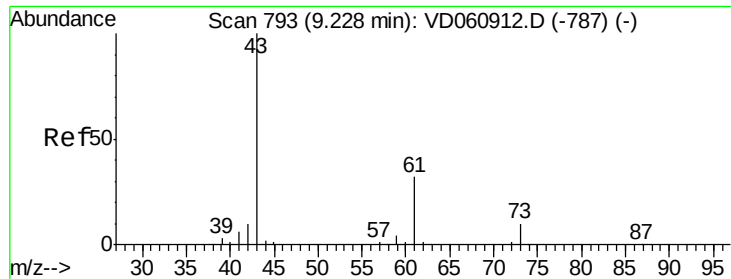
#42
1,2-Dichloroethane
Concen: 50.771 ug/l
RT: 7.59 min Scan# 627
Delta R.T. 0.03 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Tgt Ion: 62 Resp: 426302
Ion Ratio Lower Upper
62 100
98 10.3 0.0 21.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 47.340 ug/l

RT: 9.25 min Scan# 795

Delta R.T. 0.02 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

BFB

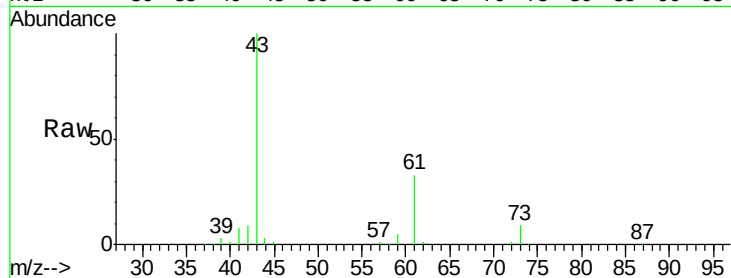
Tot Ion: 43 Resp: 397605

Ion Ratio Lower Upper

43 100

61 33.3 25.6 38.4

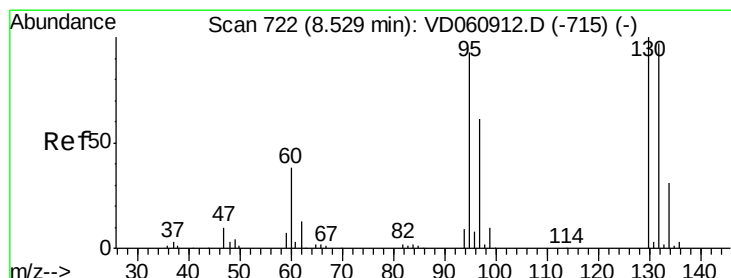
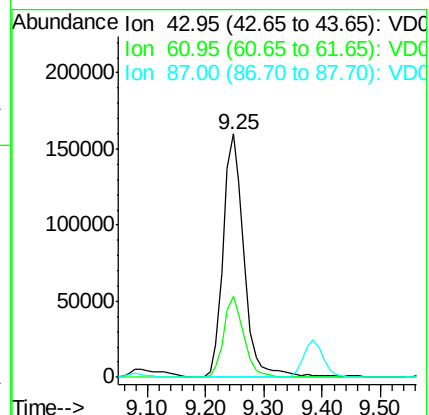
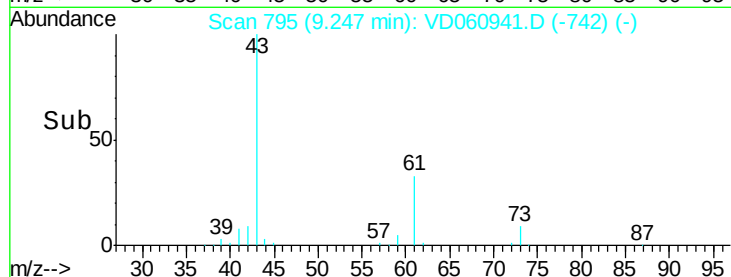
87 0.3 0.2 0.4



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: 51.725 ug/l

RT: 8.55 min Scan# 724

Delta R.T. 0.02 min

Lab File: VD060941.D

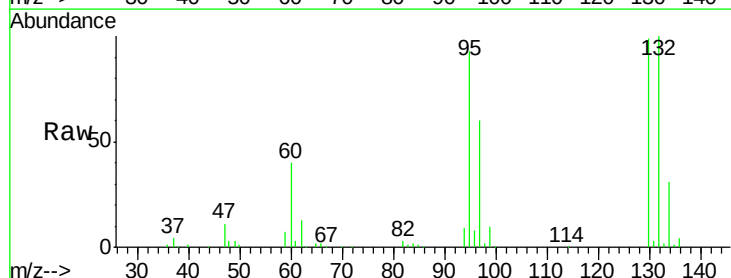
Acq: 5 Mar 2019 11:19

Tgt Ion:130 Resp: 528630

Ion Ratio Lower Upper

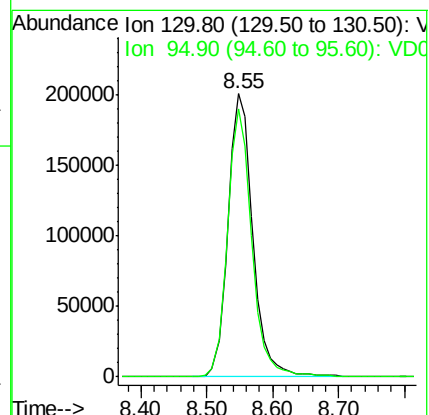
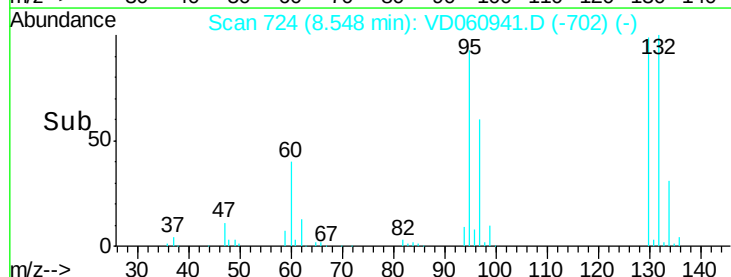
130 100

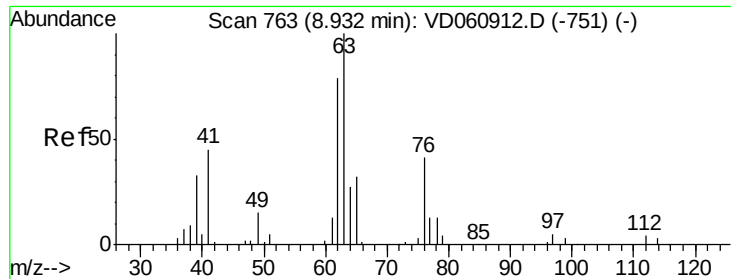
95 94.5 0.0 185.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

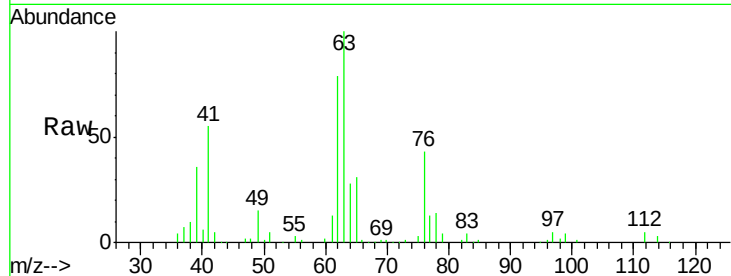




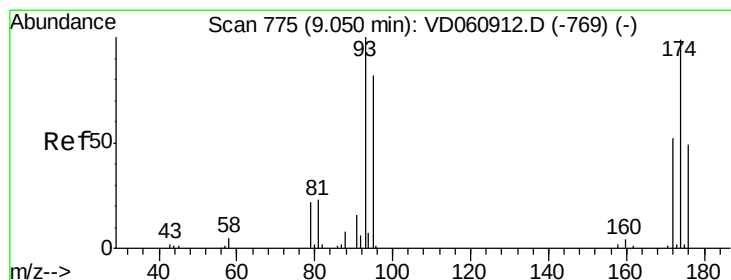
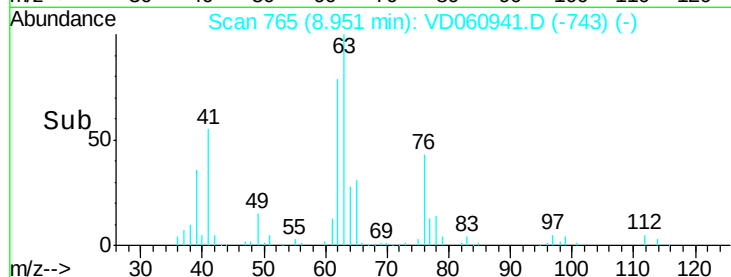
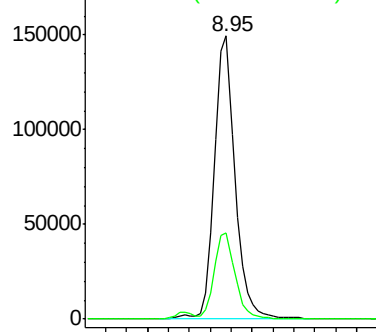
#45
 1,2-Dichloropropane
 Concen: 50.171 ug/l
 RT: 8.95 min Scan# 765
 Delta R.T. 0.02 min
 Lab File: VD060941.D
 Acq: 5 Mar 2019 11:19

Instrument :
 MSVOA_D
 ClientSampled :
 BFB

Tot Ion: 63 Resp: 396379
 Ion Ratio Lower Upper
 63 100
 65 30.5 25.8 38.6

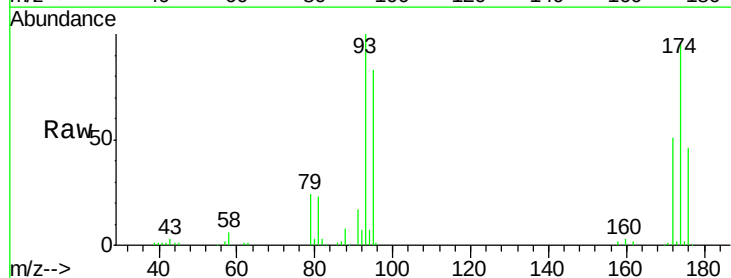


Abundance Ion 62.95 (62.65 to 63.65): VDC
 Ion 64.95 (64.65 to 65.65): VDC

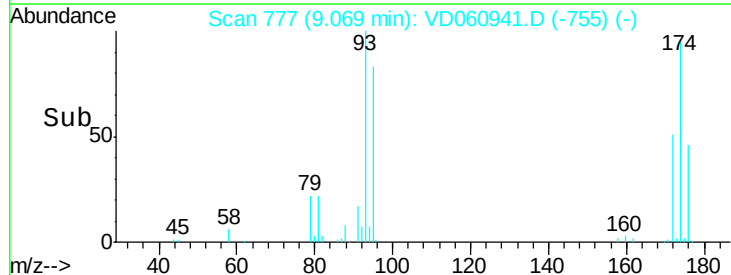
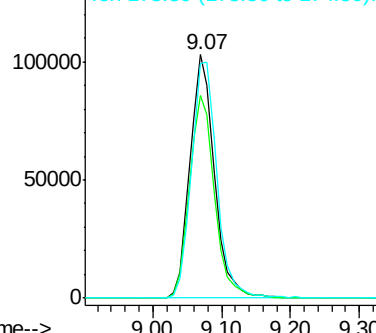


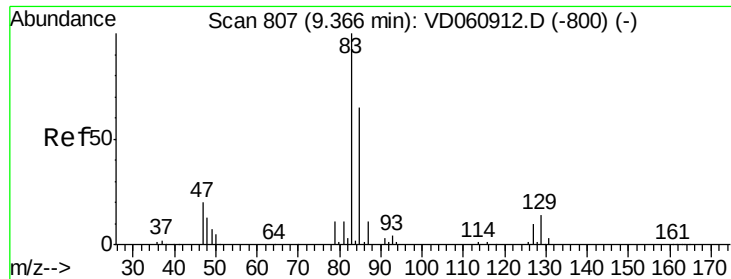
#46
 Dibromomethane
 Concen: 49.924 ug/l
 RT: 9.07 min Scan# 777
 Delta R.T. 0.02 min
 Lab File: VD060941.D
 Acq: 5 Mar 2019 11:19

Tgt Ion: 93 Resp: 254410
 Ion Ratio Lower Upper
 93 100
 95 83.3 65.8 98.6
 174 96.2 79.5 119.3



Abundance Ion 92.90 (92.60 to 93.60): VDC
 Ion 94.90 (94.60 to 95.60): VDC
 Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 49.548 ug/l

RT: 9.38 min Scan# 809

Delta R.T. 0.02 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

BFB

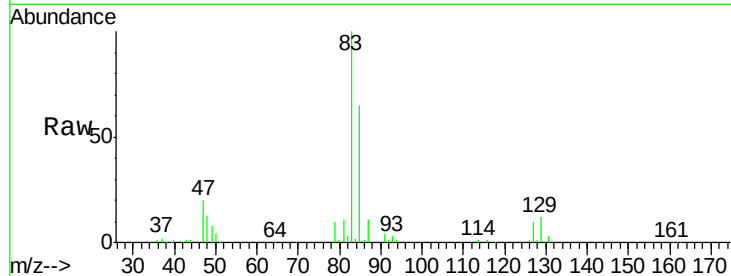
Tot Ion: 83 Resp: 550777

Ion Ratio Lower Upper

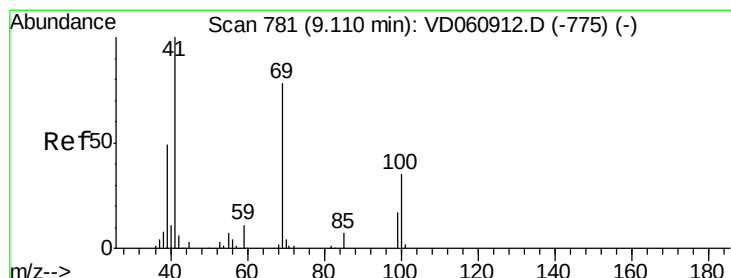
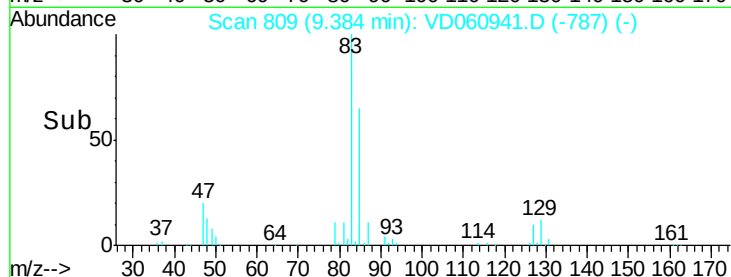
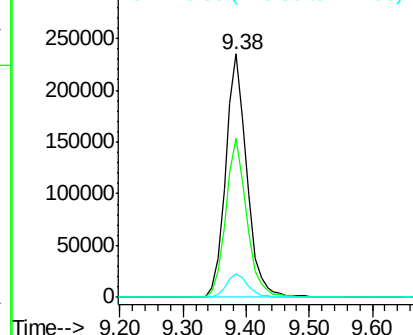
83 100

85 65.2 52.2 78.4

127 9.6 8.2 12.4



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: 47.836 ug/l

RT: 9.13 min Scan# 783

Delta R.T. 0.02 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

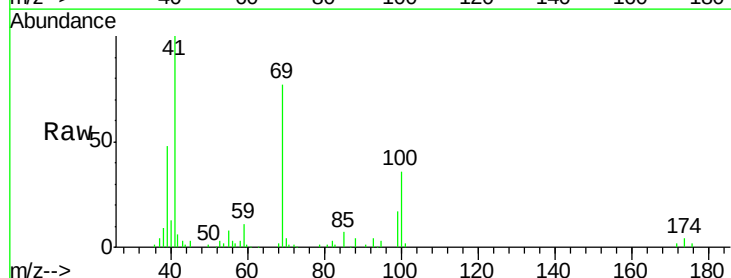
Tgt Ion: 41 Resp: 225723

Ion Ratio Lower Upper

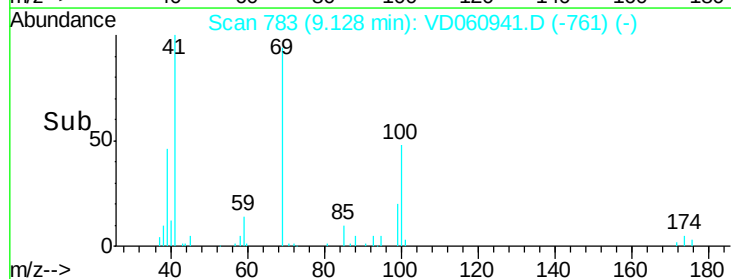
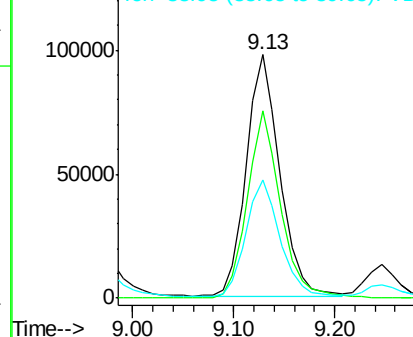
41 100

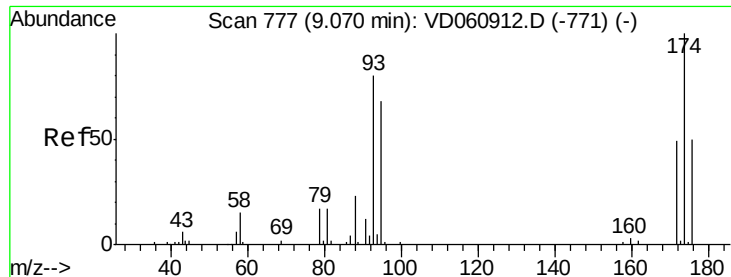
69 77.0 62.1 93.1

39 48.3 39.5 59.3



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

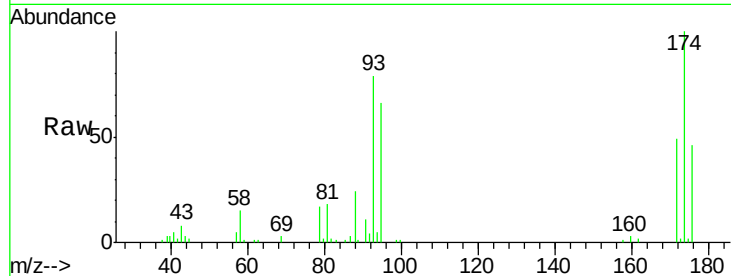




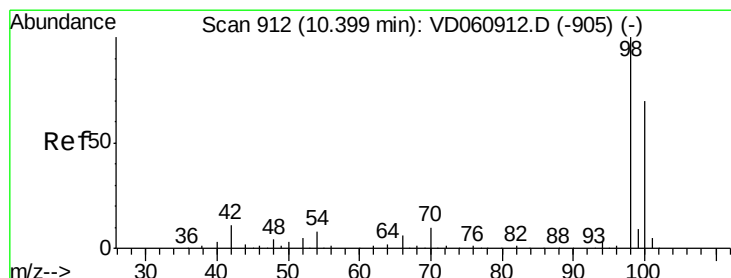
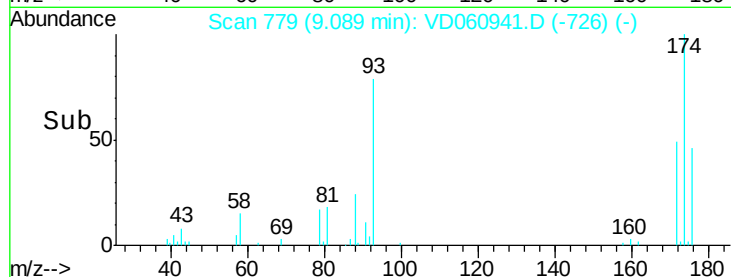
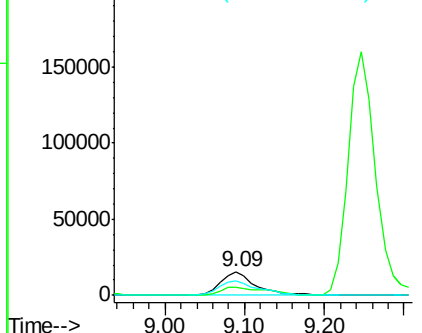
#49
1,4-Dioxane
Concen: 973.335 ug/l
RT: 9.09 min Scan# 779
Delta R.T. 0.02 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tot Ion: 88 Resp: 48081
Ion Ratio Lower Upper
88 100
43 31.6 24.2 36.4
58 61.2 51.1 76.7

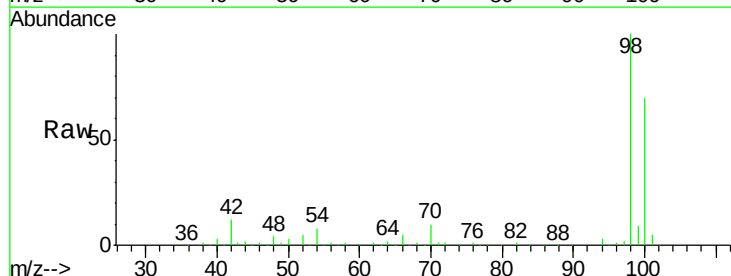


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

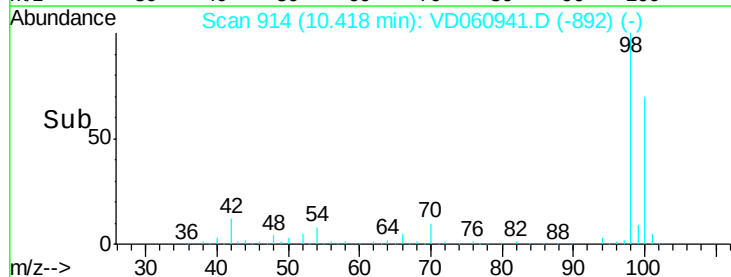
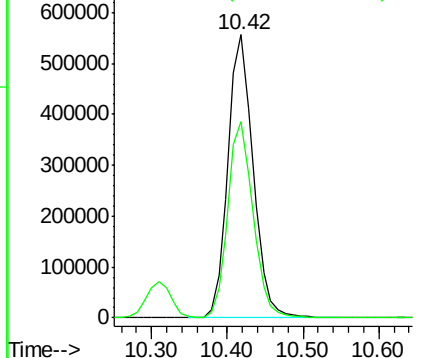


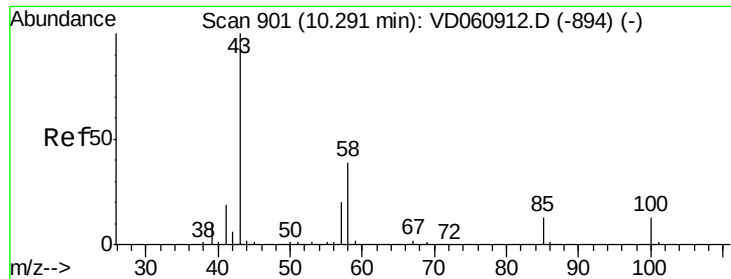
#50
Toluene-d8
Concen: 973.335 ug/l
RT: 10.42 min Scan# 914
Delta R.T. 0.02 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Tgt Ion: 98 Resp: 1282359
Ion Ratio Lower Upper
98 100
100 69.6 57.0 85.4



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: 253.963 ug/l

RT: 10.31 min Scan# 903

Delta R.T. 0.02 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampled :

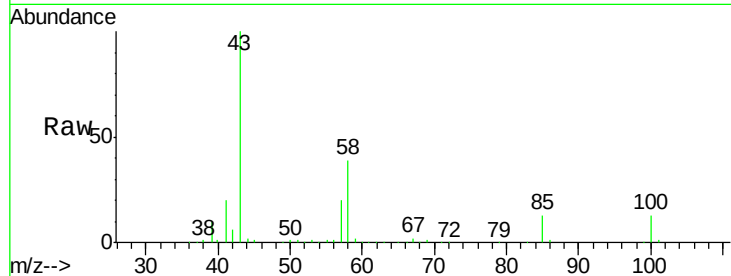
BFB

Tot Ion: 43 Resp: 1298633

Ion Ratio Lower Upper

43 100

58 38.6 31.0 46.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.31

600000

500000

400000

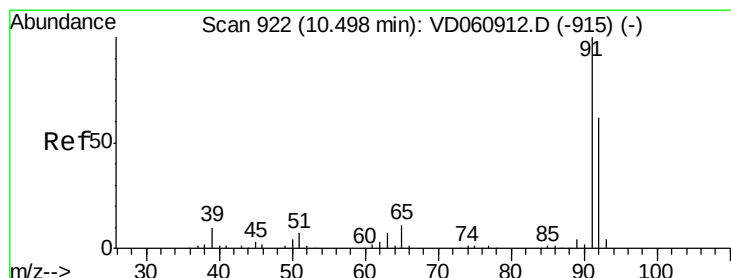
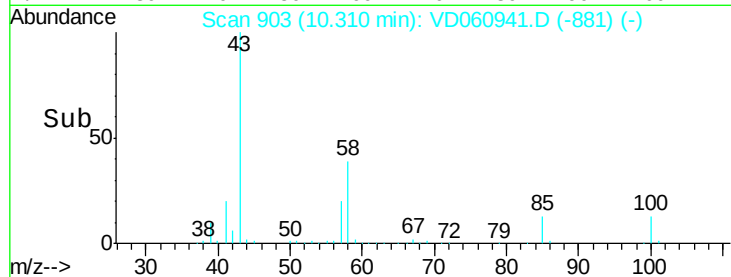
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 48.053 ug/l

RT: 10.52 min Scan# 924

Delta R.T. 0.02 min

Lab File: VD060941.D

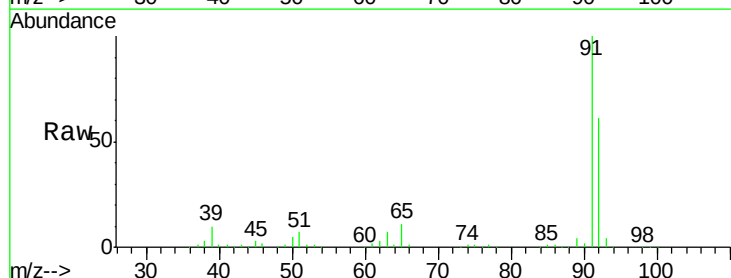
Acq: 5 Mar 2019 11:19

Tgt Ion: 92 Resp: 921305

Ion Ratio Lower Upper

92 100

91 164.2 129.9 194.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.52

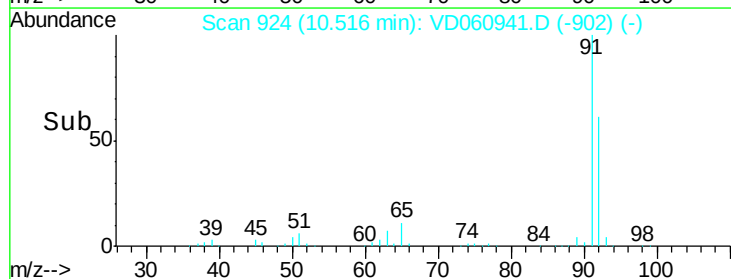
600000

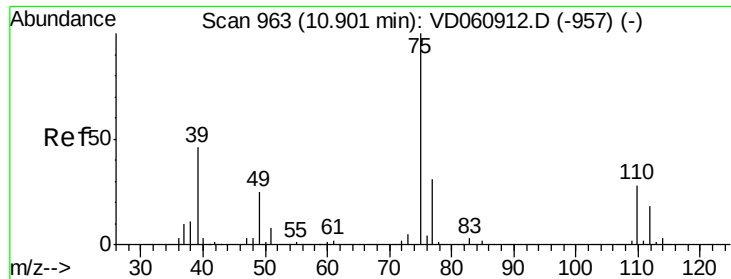
400000

200000

0

Time-->

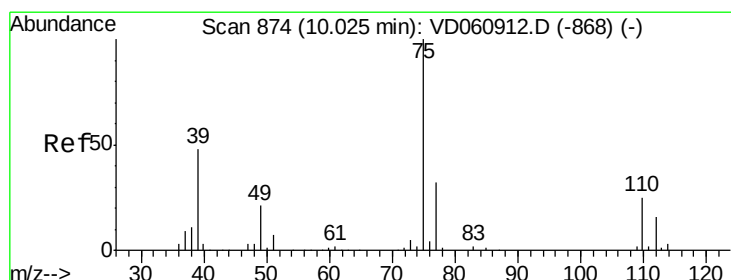
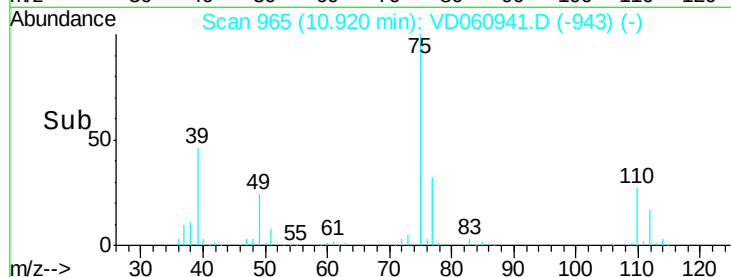
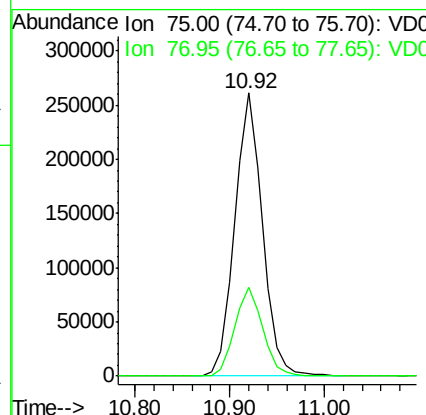
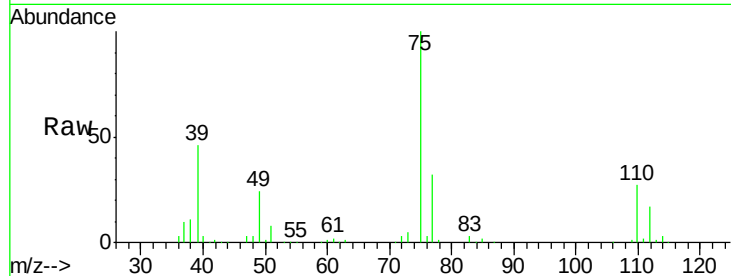




#53
 t-1,3-Dichloropropene
 Concen: 51.761 ug/l
 RT: 10.92 min Scan# 965
 Delta R.T. 0.02 min
 Lab File: VD060941.D
 Acq: 5 Mar 2019 11:19

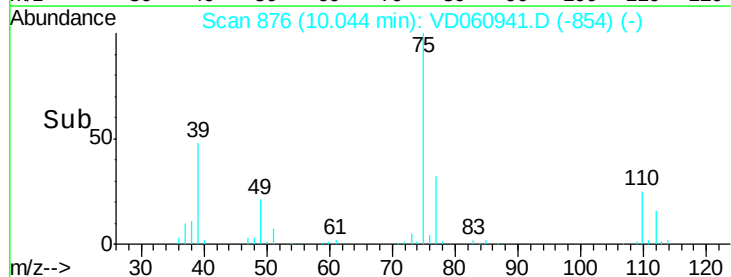
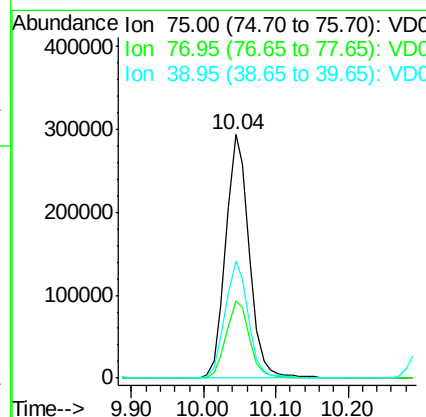
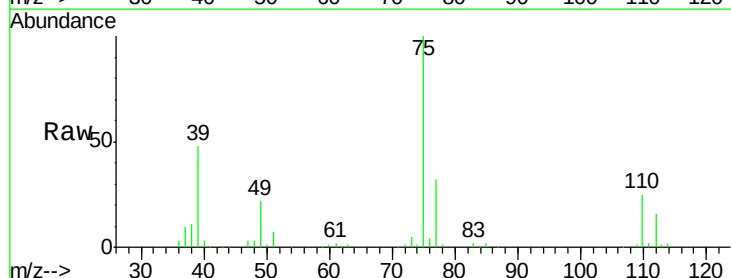
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

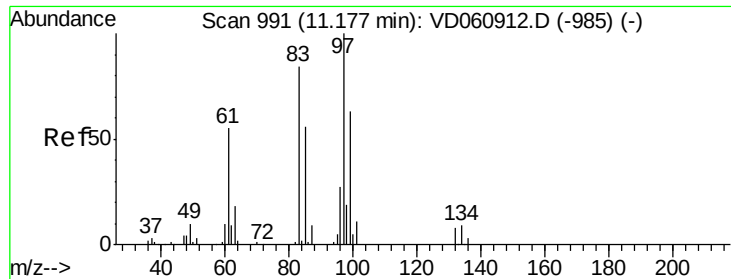
Tot Ion: 75 Resp: 529474
 Ion Ratio Lower Upper
 75 100
 77 31.6 24.9 37.3



#54
 cis-1,3-Dichloropropene
 Concen: 52.074 ug/l
 RT: 10.04 min Scan# 876
 Delta R.T. 0.02 min
 Lab File: VD060941.D
 Acq: 5 Mar 2019 11:19

Tgt Ion: 75 Resp: 660521
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.3 37.9
 39 48.1 38.2 57.4

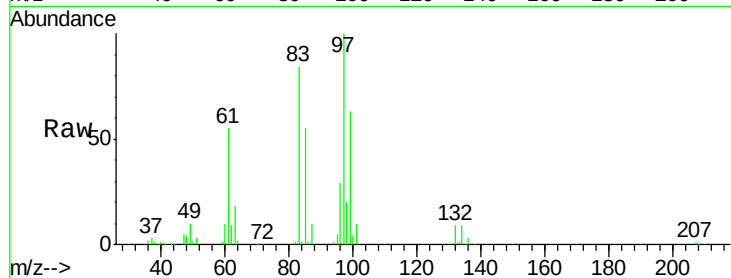




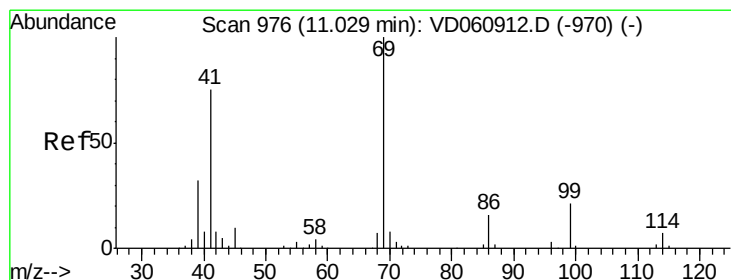
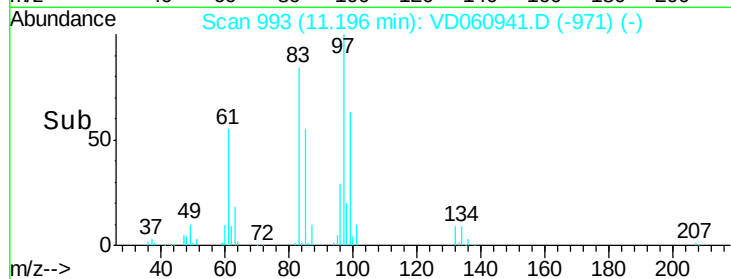
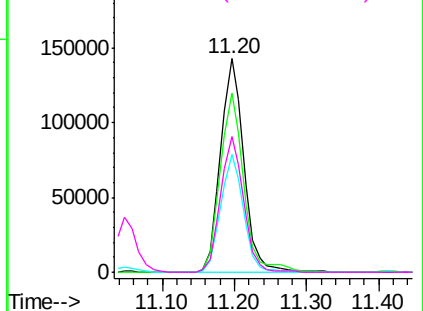
#55
 1,1,2-Trichloroethane
 Concen: 50.491 ug/l
 RT: 11.20 min Scan# 993
 Delta R.T. 0.02 min
 Lab File: VD060941.D
 Acq: 5 Mar 2019 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Tot Ion: 97 Resp: 320135
 Ion Ratio Lower Upper
 97 100
 83 84.2 67.5 101.3
 85 55.1 44.9 67.3
 99 63.3 50.6 76.0

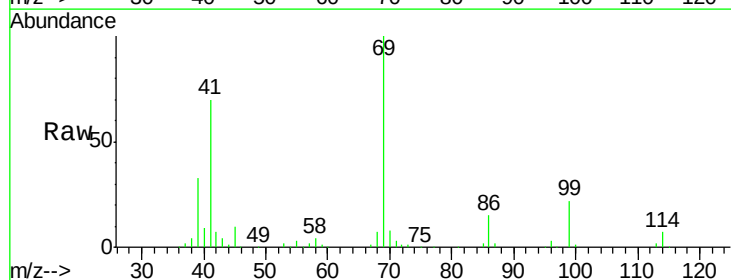


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

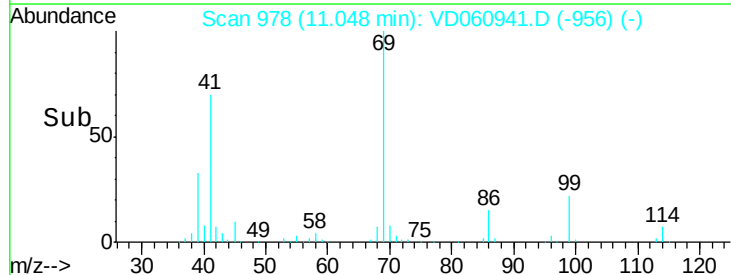
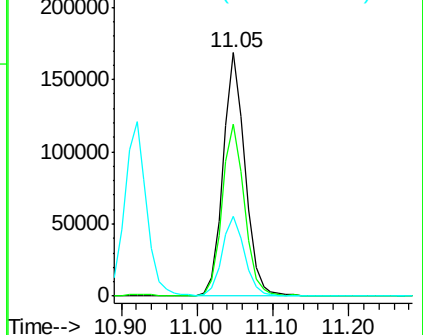


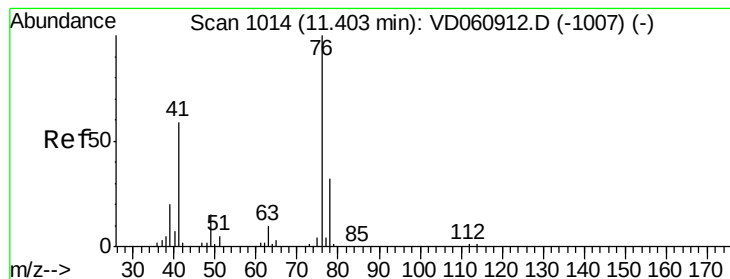
#56
 Ethyl methacrylate
 Concen: 50.279 ug/l
 RT: 11.05 min Scan# 978
 Delta R.T. 0.02 min
 Lab File: VD060941.D
 Acq: 5 Mar 2019 11:19

Tgt Ion: 69 Resp: 337952
 Ion Ratio Lower Upper
 69 100
 41 70.4 59.9 89.9
 39 32.8 25.7 38.5



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: 50.577 ug/l

RT: 11.41 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampled :

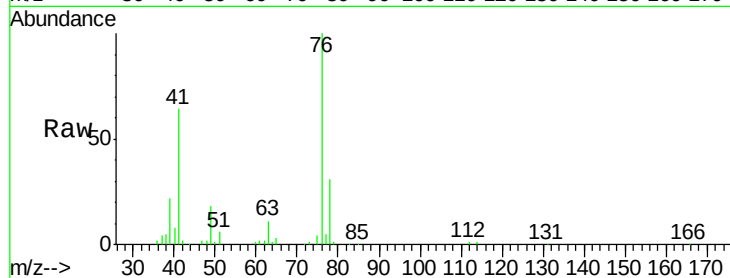
BFB

Tot Ion: 76 Resp: 466238

Ion Ratio Lower Upper

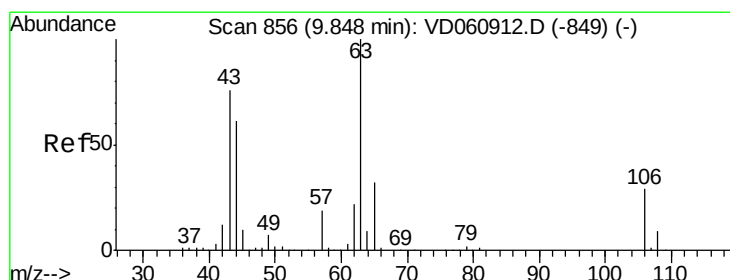
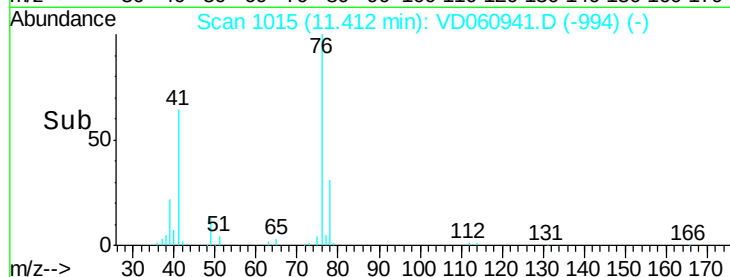
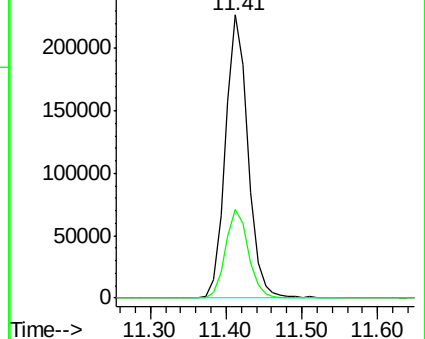
76 100

78 31.2 25.6 38.4



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 242.953 ug/l

RT: 9.87 min Scan# 858

Delta R.T. 0.02 min

Lab File: VD060941.D

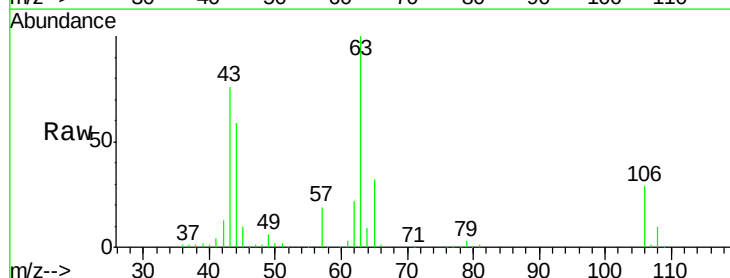
Acq: 5 Mar 2019 11:19

Tgt Ion: 63 Resp: 872150

Ion Ratio Lower Upper

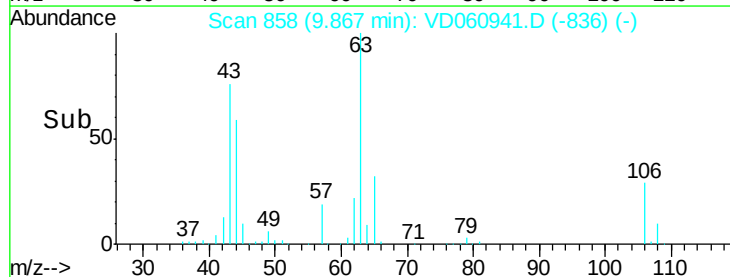
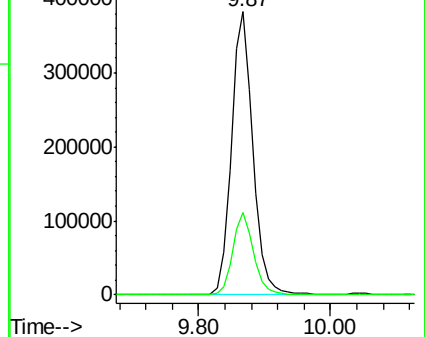
63 100

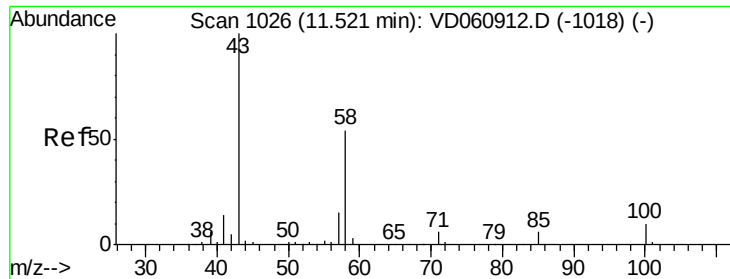
106 29.0 23.0 34.6



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): V

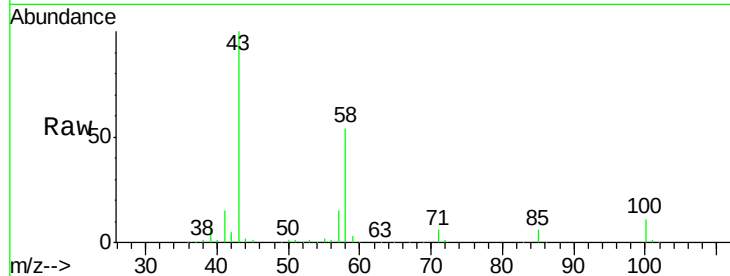




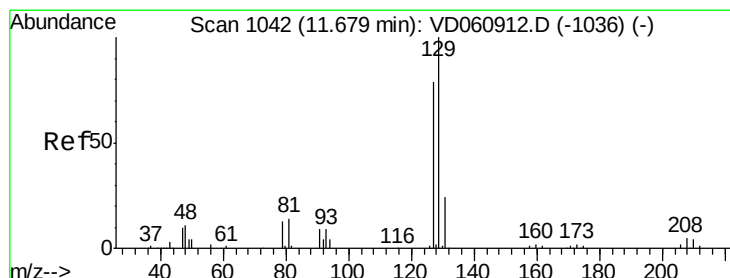
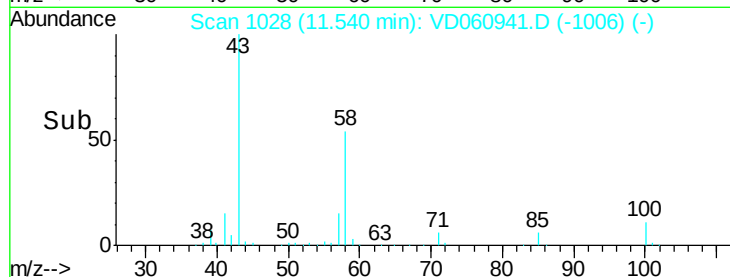
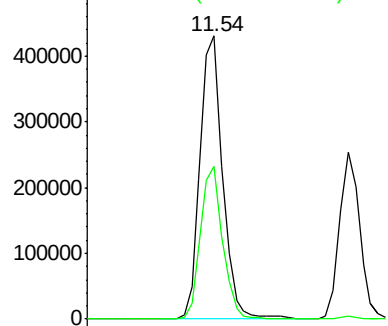
#59
2-Hexanone
Concen: 247.002 ug/l
RT: 11.54 min Scan# 1028
Delta R.T. 0.02 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tot Ion: 43 Resp: 885384
Ion Ratio Lower Upper
43 100
58 53.9 27.2 81.5

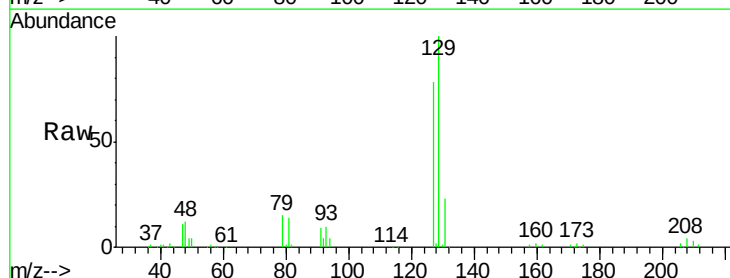


Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

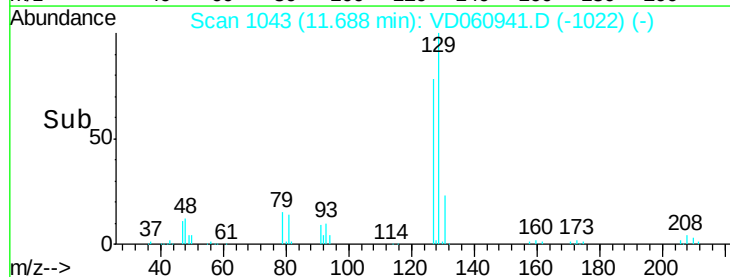
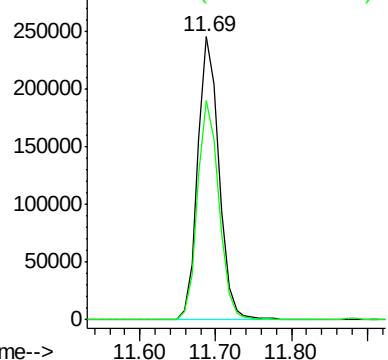


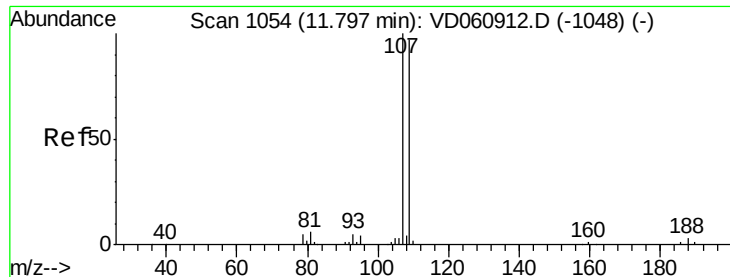
#60
Dibromochloromethane
Concen: 52.080 ug/l
RT: 11.69 min Scan# 1043
Delta R.T. 0.01 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Tgt Ion: 129 Resp: 476241
Ion Ratio Lower Upper
129 100
127 77.5 39.4 118.1



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

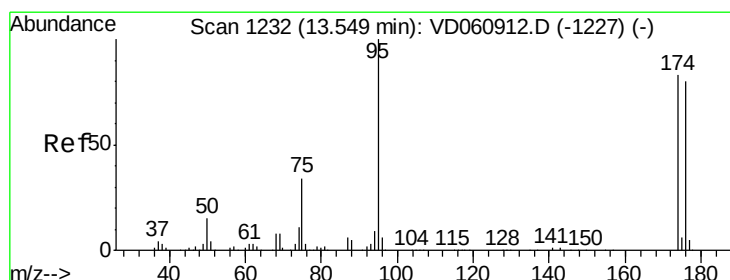
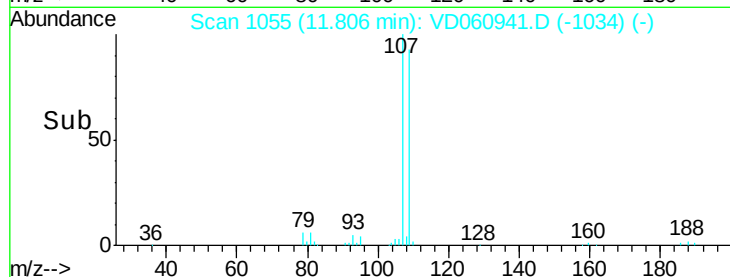
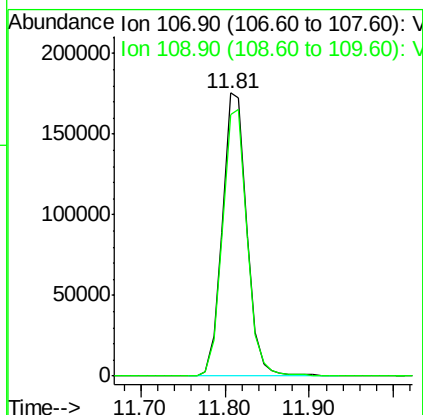
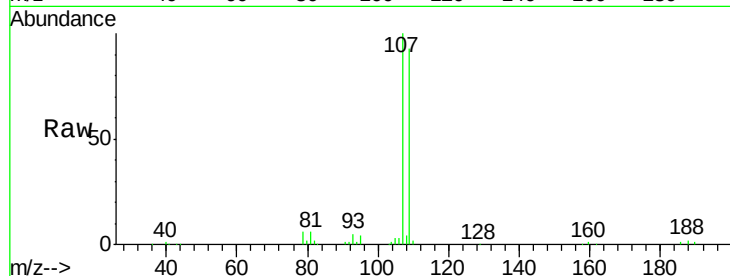




#61
 1,2-Dibromoethane
 Concen: 47.412 ug/l
 RT: 11.81 min Scan# 1055
 Delta R.T. 0.01 min
 Lab File: VD060941.D
 Acq: 5 Mar 2019 11:19

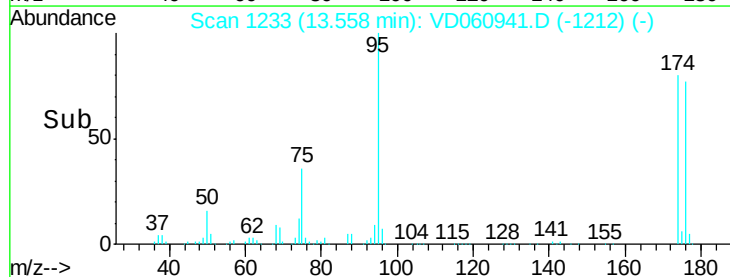
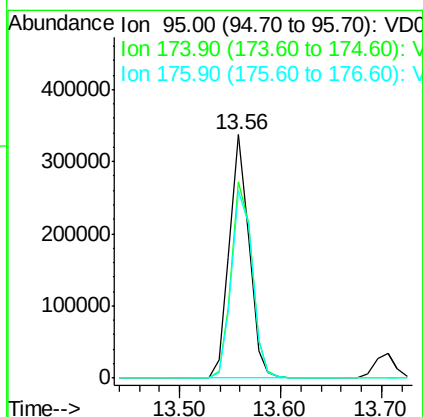
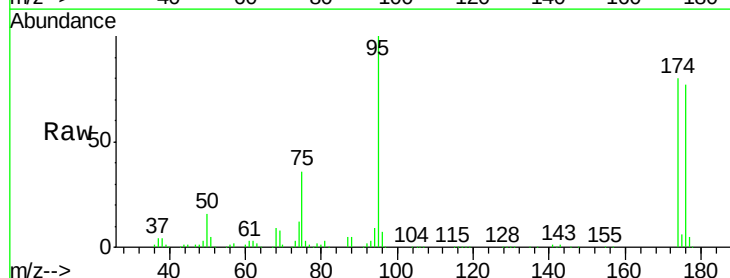
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

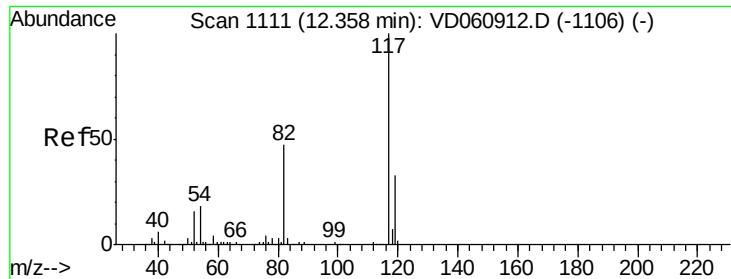
Tot Ion: 107 Resp: 353153
 Ion Ratio Lower Upper
 107 100
 109 92.5 78.0 117.0



#62
 4-Bromofluorobenzene
 Concen: 47.412 ug/l
 RT: 13.56 min Scan# 1233
 Delta R.T. 0.01 min
 Lab File: VD060941.D
 Acq: 5 Mar 2019 11:19

Tgt Ion: 95 Resp: 459220
 Ion Ratio Lower Upper
 95 100
 174 80.4 0.0 165.6
 176 76.8 0.0 160.6

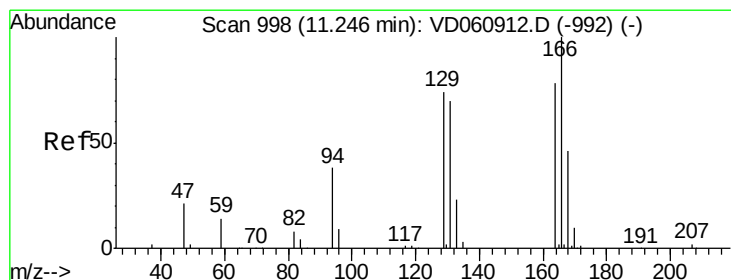
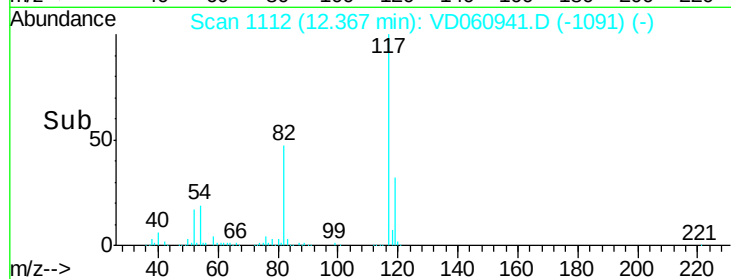
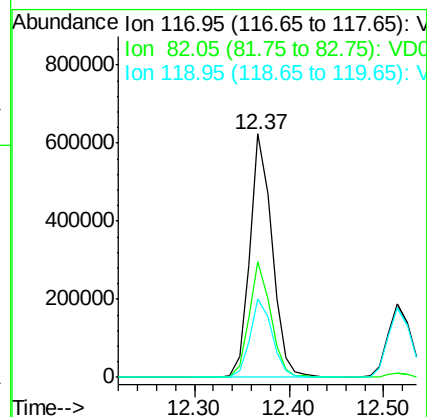
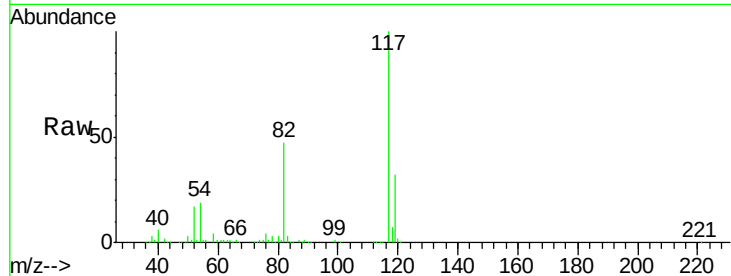




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

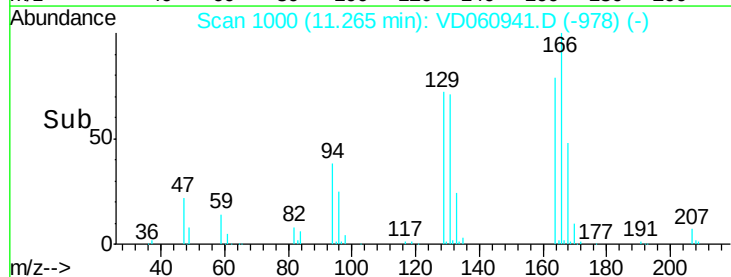
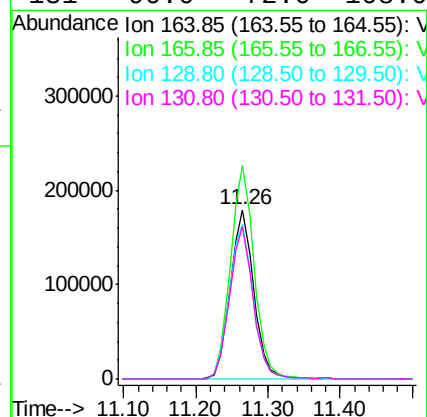
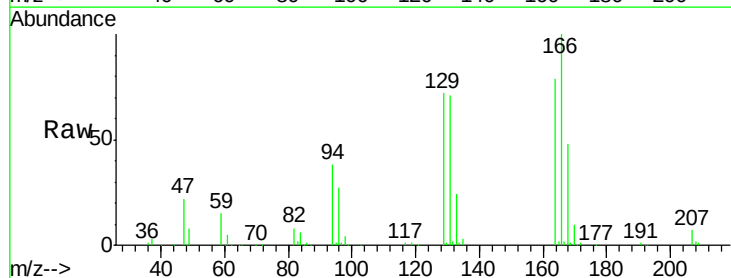
Instrument :
MSVOA_D
ClientSampled :
BFB

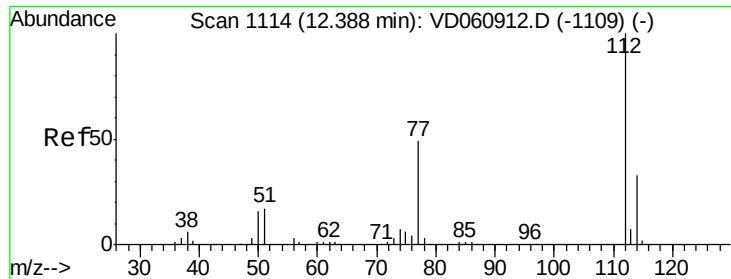
Tot Ion:117 Resp: 1018414
Ion Ratio Lower Upper
117 100
82 47.5 37.5 56.3
119 32.4 26.2 39.2



#64
Tetrachloroethene
Concen: 52.129 ug/l
RT: 11.26 min Scan# 1000
Delta R.T. 0.02 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Tgt Ion:164 Resp: 406395
Ion Ratio Lower Upper
164 100
166 126.2 102.3 153.5
129 91.4 75.6 113.4
131 90.0 72.0 108.0

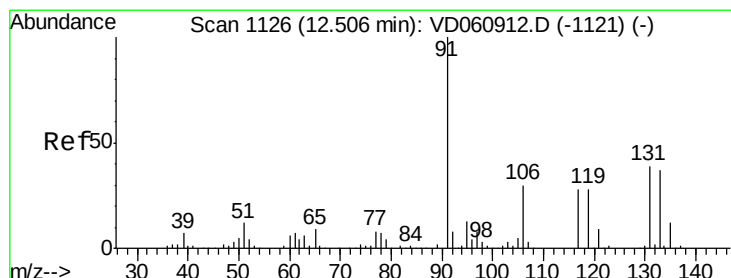
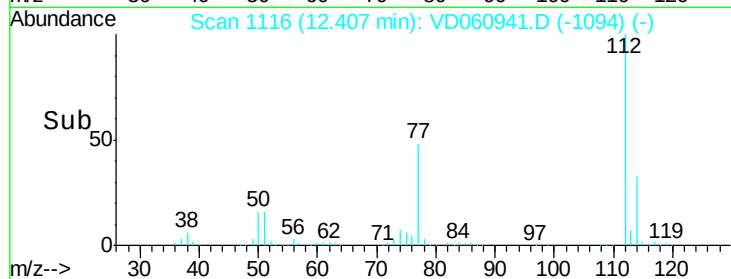
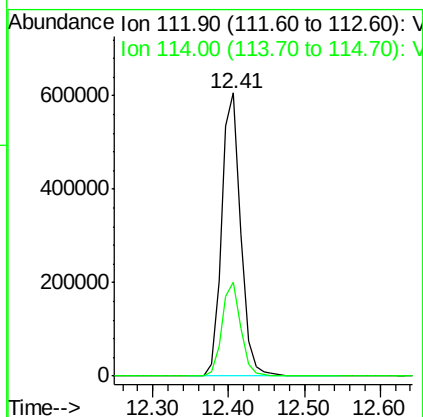
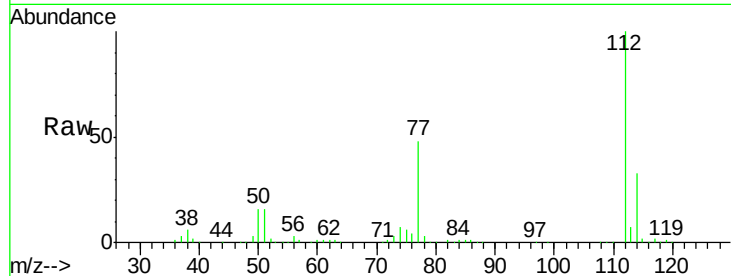




#65
Chlorobenzene
Concen: 46.810 ug/l
RT: 12.41 min Scan# 1116
Delta R.T. 0.02 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

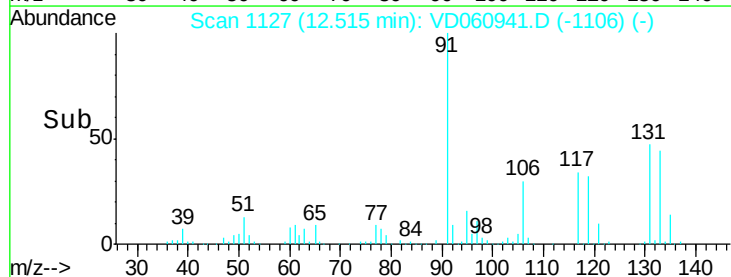
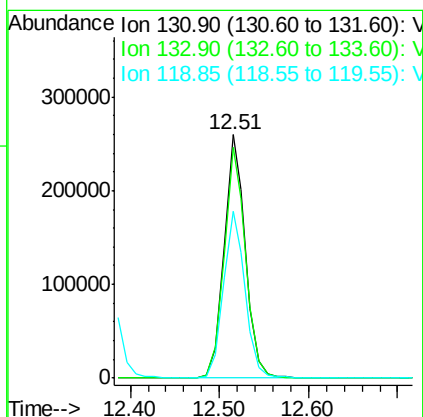
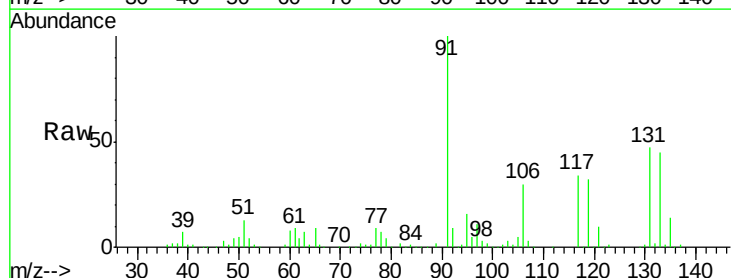
Instrument :
MSVOA_D
ClientSampled :
BFB

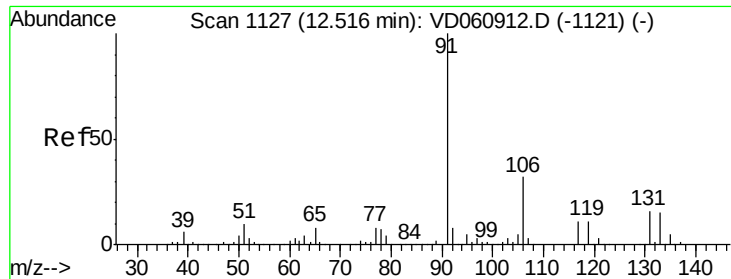
Tot Ion:112 Resp: 1061364
Ion Ratio Lower Upper
112 100
114 33.3 26.0 39.0



#66
1,1,1,2-Tetrachloroethane
Concen: 53.733 ug/l
RT: 12.51 min Scan# 1127
Delta R.T. 0.01 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Tgt Ion:131 Resp: 437200
Ion Ratio Lower Upper
131 100
133 94.8 47.4 142.3
119 68.5 36.0 108.1

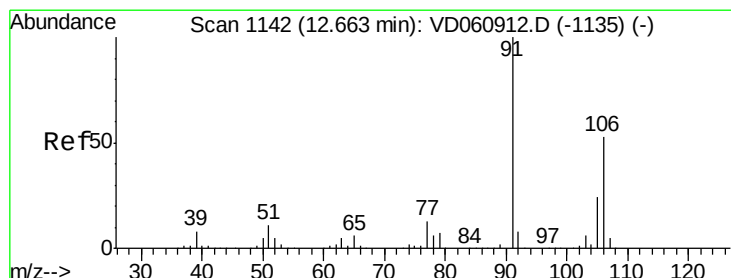
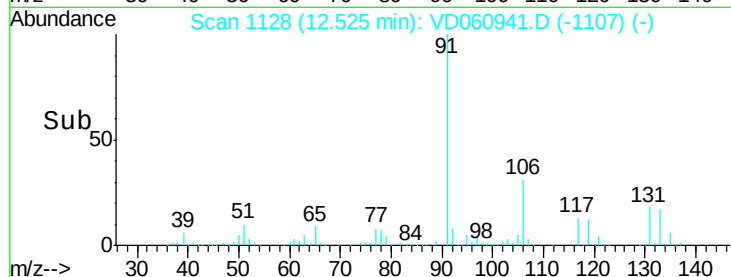
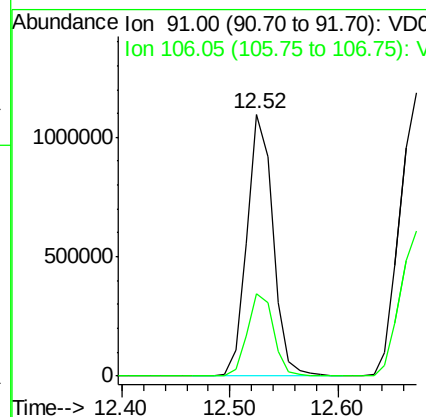
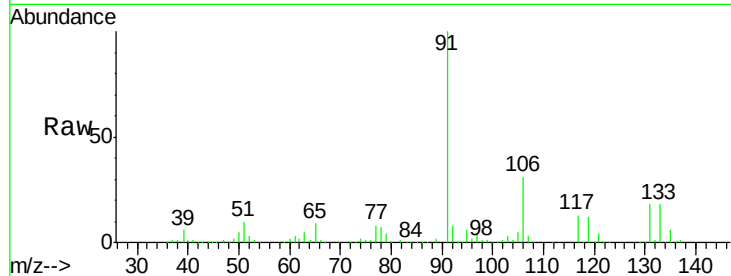




#67
Ethyl Benzene
Concen: 55.414 ug/l
RT: 12.52 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

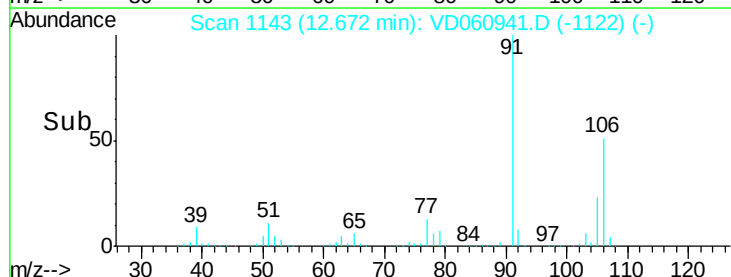
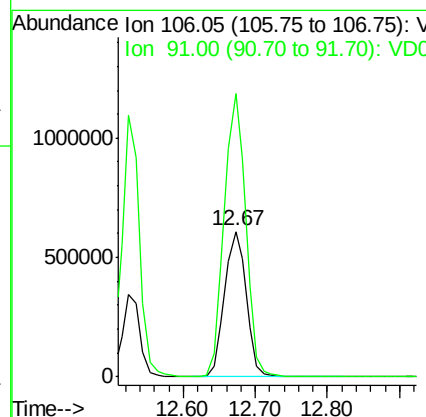
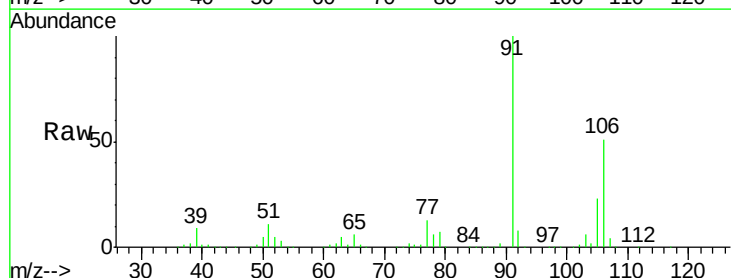
Instrument :
MSVOA_D
ClientSampled :
BFB

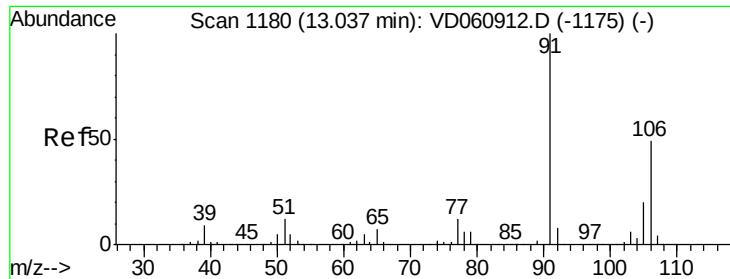
Tot Ion: 91 Resp: 1829454
Ion Ratio Lower Upper
91 100
106 31.4 25.8 38.6



#68
m/p-Xylenes
Concen: 95.367 ug/l
RT: 12.67 min Scan# 1143
Delta R.T. 0.01 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Tgt Ion: 106 Resp: 1257920
Ion Ratio Lower Upper
106 100
91 194.6 150.2 225.4

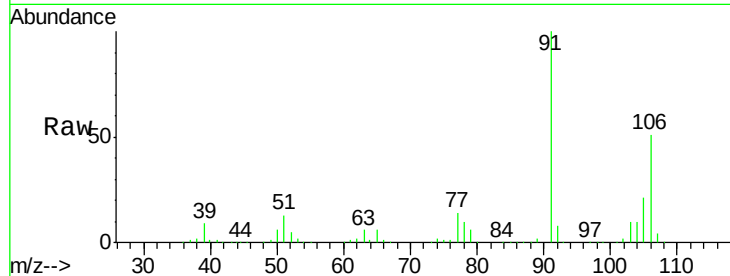




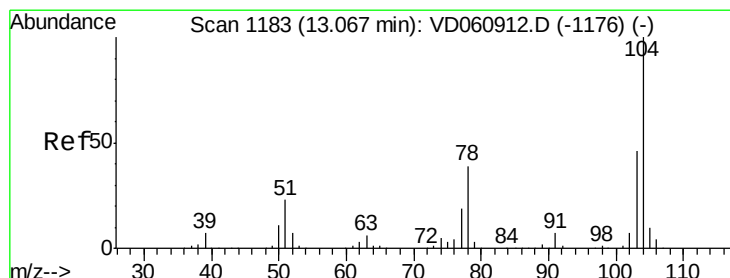
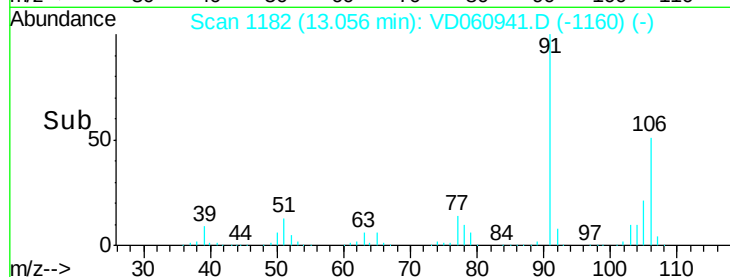
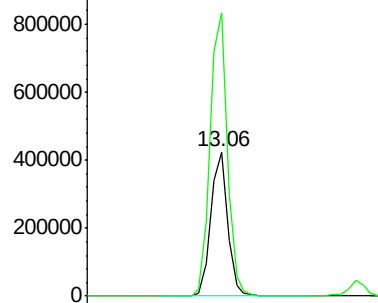
#69
o-Xylene
Concen: 51.740 ug/l
RT: 13.06 min Scan# 1182
Delta R.T. 0.02 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Instrument :
MSVOA_D
ClientSampled :
BFB

Tot Ion:106 Resp: 641080
Ion Ratio Lower Upper
106 100
91 196.8 102.9 308.7

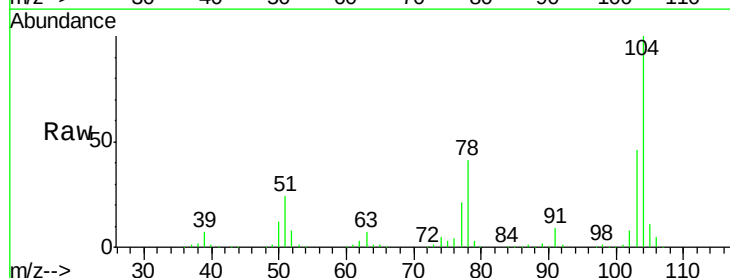


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

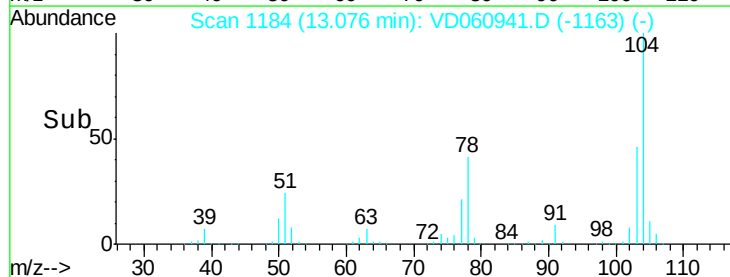
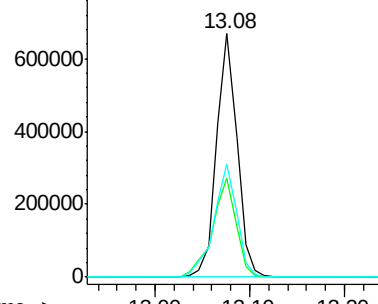


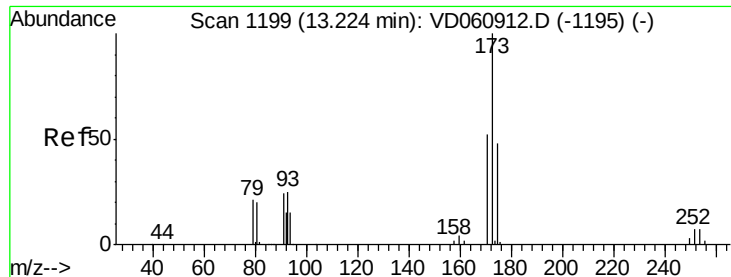
#70
Styrene
Concen: 48.665 ug/l
RT: 13.08 min Scan# 1184
Delta R.T. 0.01 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Tgt Ion:104 Resp: 1006021
Ion Ratio Lower Upper
104 100
78 40.6 31.0 46.4
103 46.2 36.5 54.7



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





#71

Bromoform

Concen: 50.836 ug/l

RT: 13.23 min Scan# 1200

Delta R.T. 0.01 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampled :

BFB

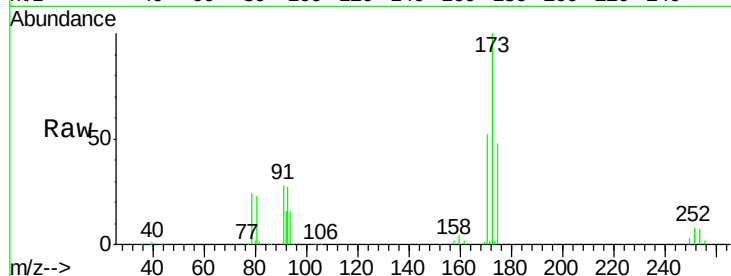
Tot Ion:173 Resp: 261800

Ion Ratio Lower Upper

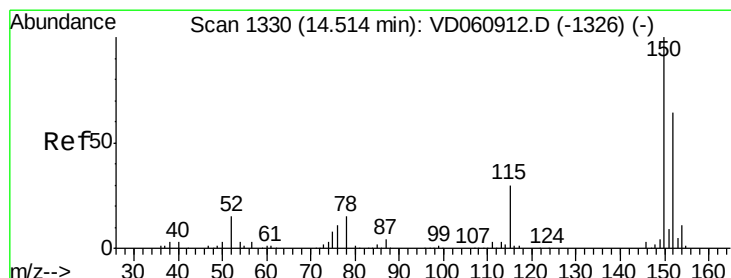
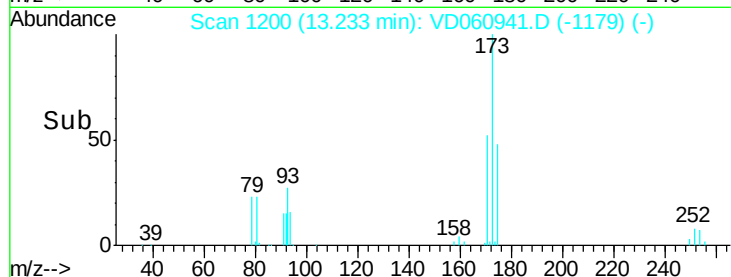
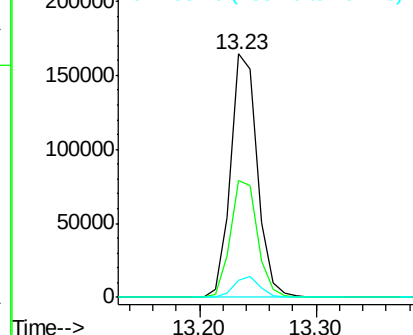
173 100

175 47.8 24.1 72.3

254 6.8 5.6 8.4



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 14.52 min Scan# 1331

Delta R.T. 0.01 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

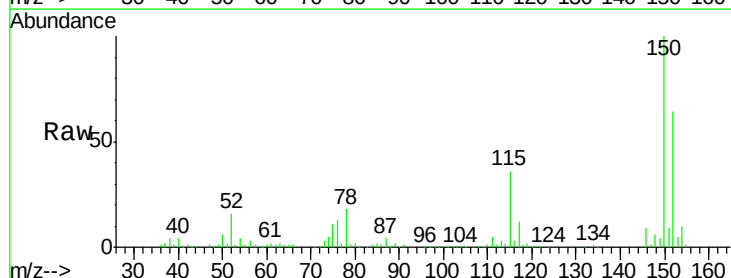
Tgt Ion:152 Resp: 446402

Ion Ratio Lower Upper

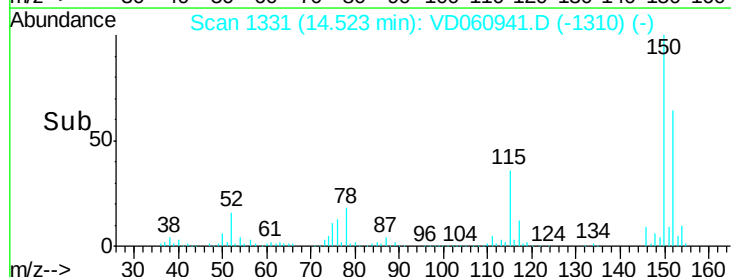
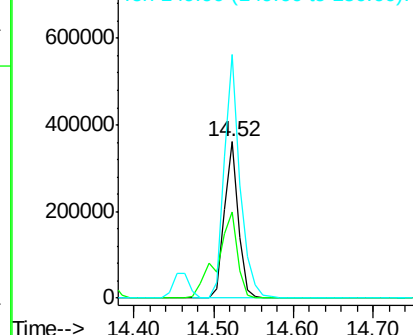
152 100

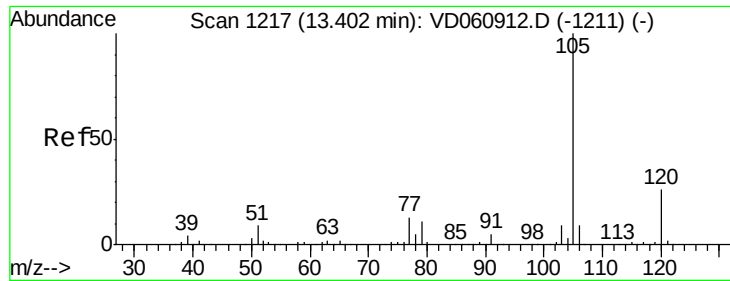
115 55.4 27.6 82.8

150 155.8 0.0 312.8



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: 46.825 ug/l

RT: 13.41 min Scan# 1218

Delta R.T. 0.01 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampled :

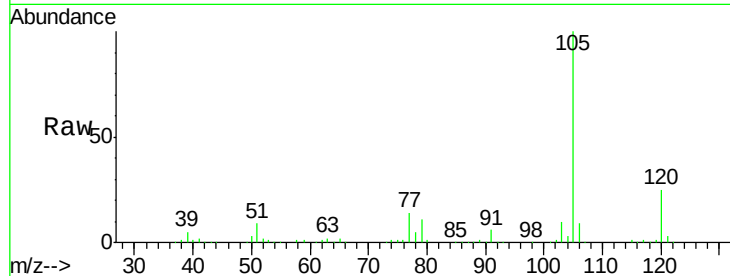
BFB

Tot Ion:105 Resp: 1615005

Ion Ratio Lower Upper

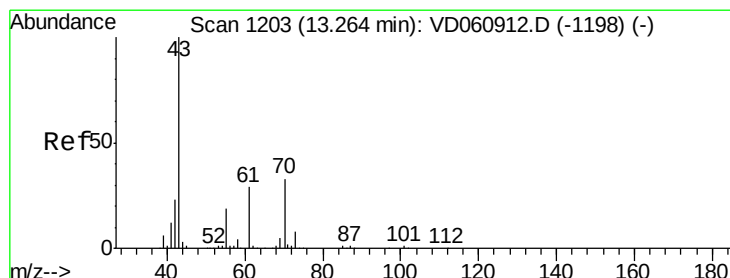
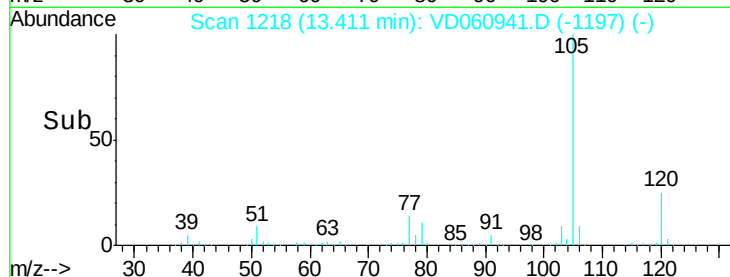
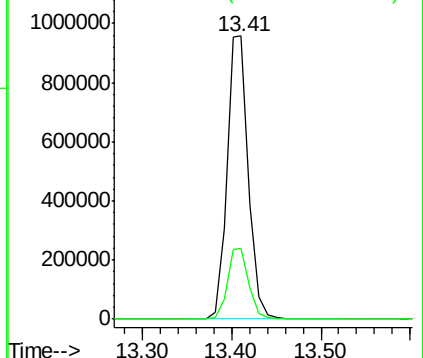
105 100

120 25.2 12.9 38.7



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 48.842 ug/l

RT: 13.27 min Scan# 1204

Delta R.T. 0.01 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

Tgt Ion: 43 Resp: 503206

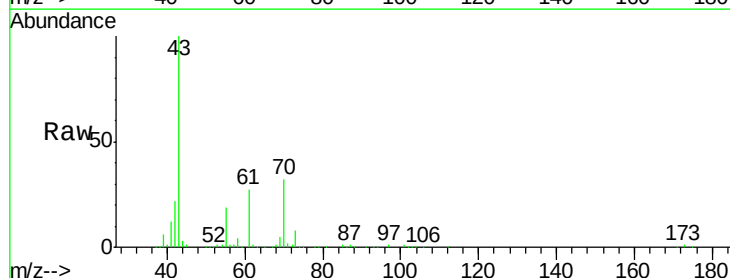
Ion Ratio Lower Upper

43 100

70 32.2 26.3 39.5

55 19.5 15.4 23.2

61 27.3 23.4 35.0

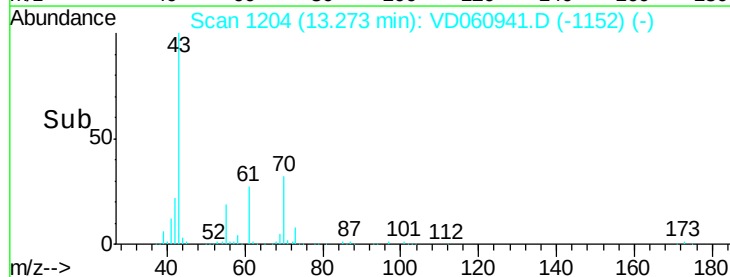
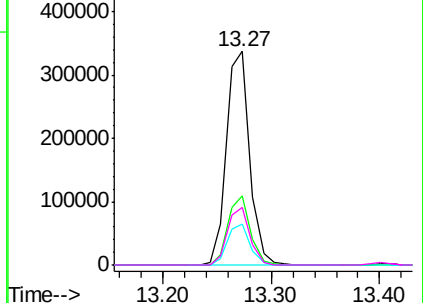


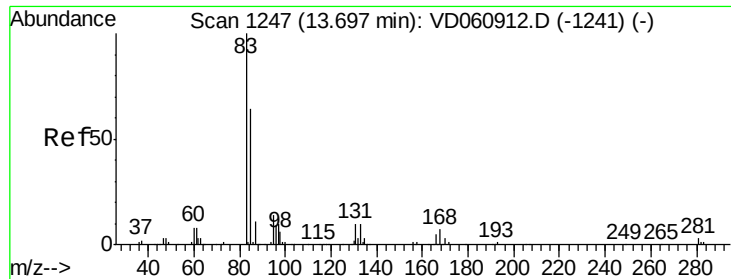
Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V





#75

1,1,2,2-Tetrachloroethane

Concen: 50.747 ug/l

RT: 13.71 min Scan# 1248

Delta R.T. 0.01 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

BFB

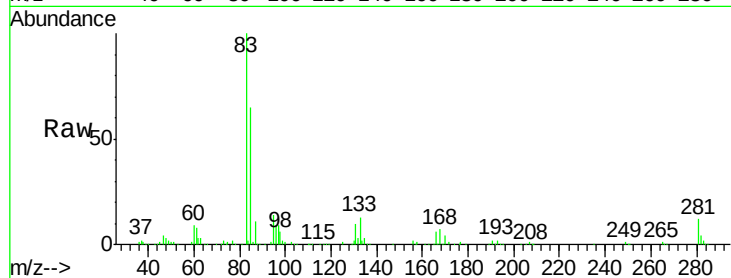
Tot Ion: 83 Resp: 362999

Ion Ratio Lower Upper

83 100

131 10.4 5.1 15.2

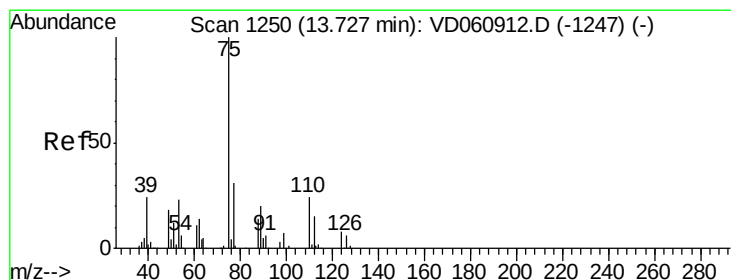
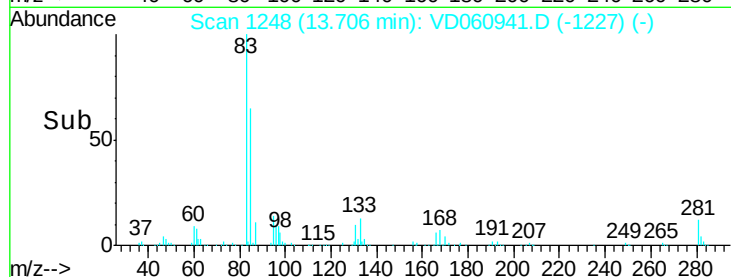
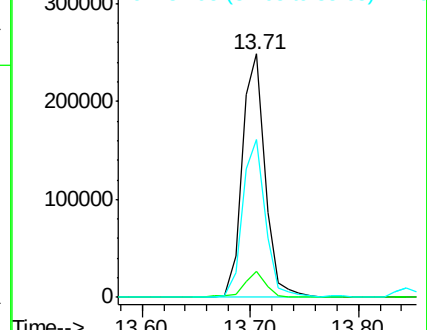
85 65.1 32.3 96.8



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: 52.845 ug/l

RT: 13.74 min Scan# 1251

Delta R.T. 0.01 min

Lab File: VD060941.D

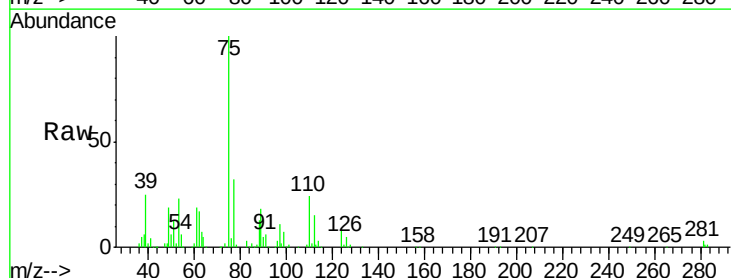
Acq: 5 Mar 2019 11:19

Tgt Ion: 75 Resp: 382225

Ion Ratio Lower Upper

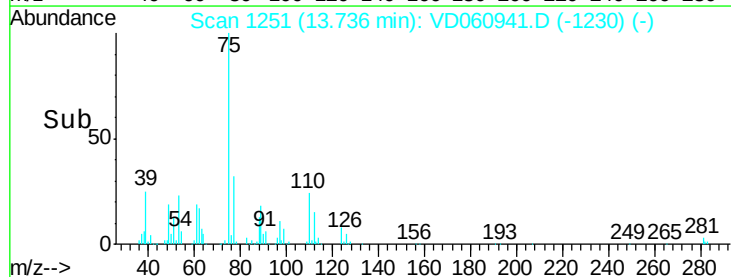
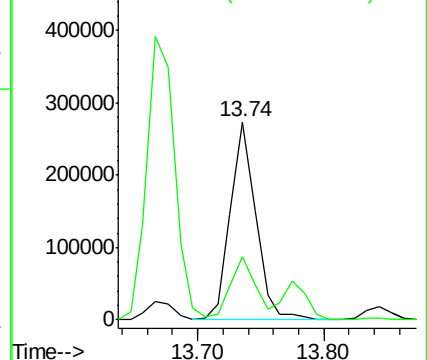
75 100

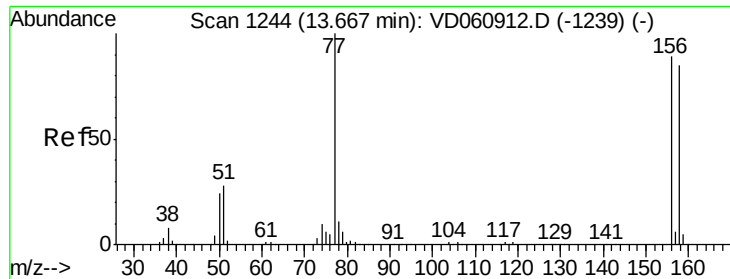
77 31.7 16.2 48.6



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 50.969 ug/l

RT: 13.68 min Scan# 1245

Delta R.T. 0.01 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

BFB

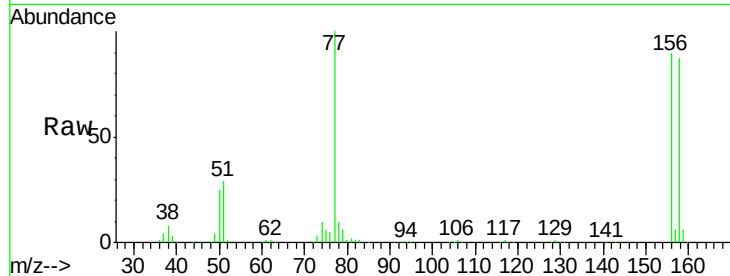
Tot Ion:156 Resp: 459488

Ion Ratio Lower Upper

156 100

77 111.4 56.4 169.2

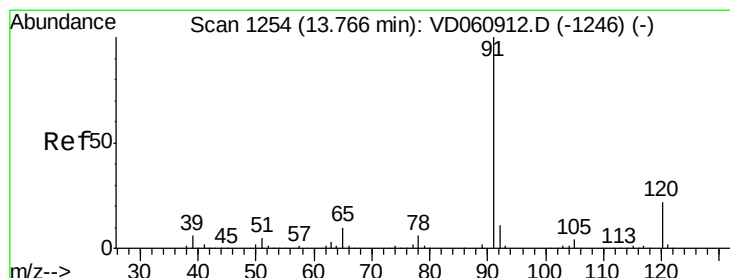
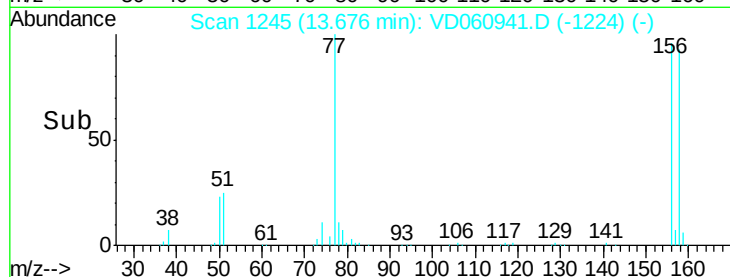
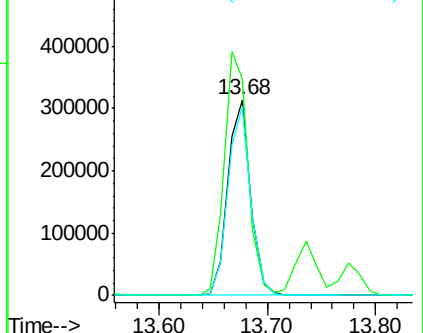
158 96.7 48.0 144.2



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: 52.354 ug/l

RT: 13.77 min Scan# 1255

Delta R.T. 0.01 min

Lab File: VD060941.D

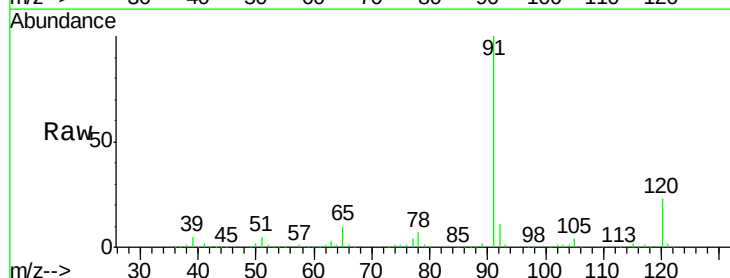
Acq: 5 Mar 2019 11:19

Tgt Ion: 91 Resp: 2077459

Ion Ratio Lower Upper

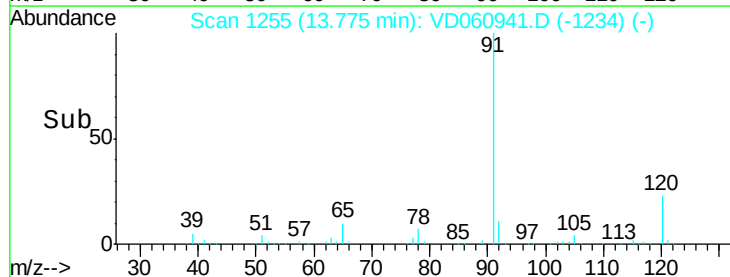
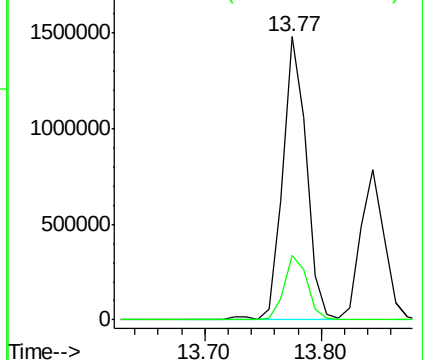
91 100

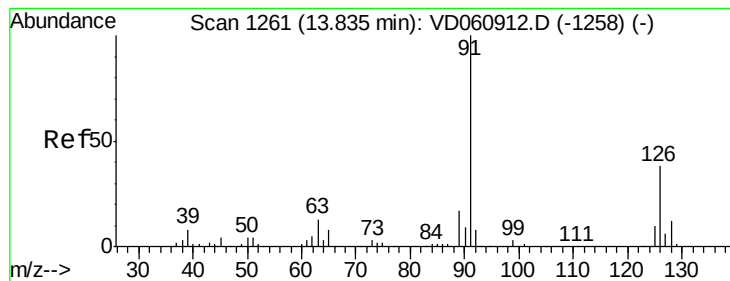
120 23.0 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 48.613 ug/l

RT: 13.84 min Scan# 1262

Delta R.T. 0.01 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

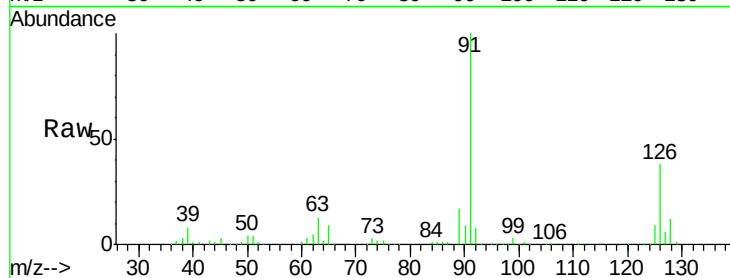
BFB

Tot Ion: 91 Resp: 1101680

Ion Ratio Lower Upper

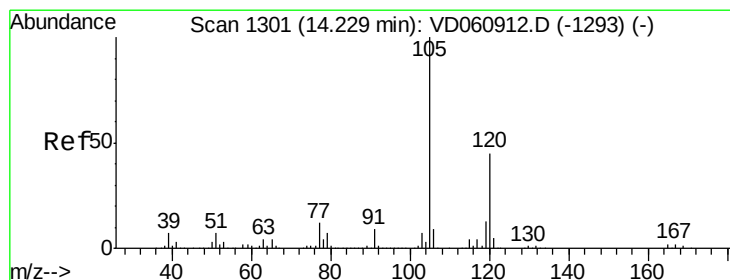
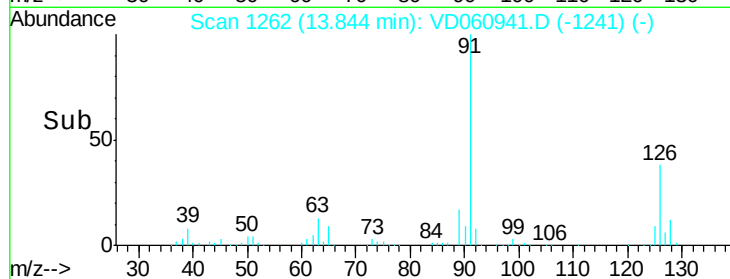
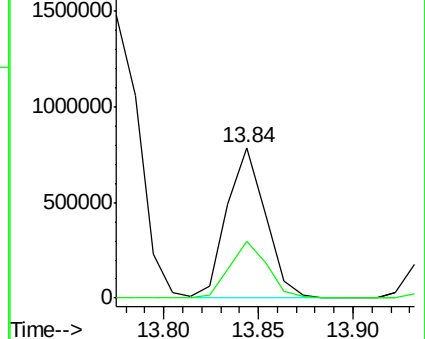
91 100

126 38.1 18.8 56.3



Abundance Ion 91.00 (90.70 to 91.70): VD060912.D (-1258) (-)

Ion 125.95 (125.65 to 126.65): VD060912.D (-1258) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.284 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD060941.D

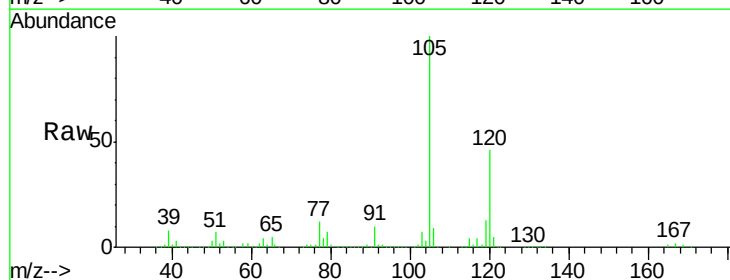
Acq: 5 Mar 2019 11:19

Tgt Ion:105 Resp: 1446019

Ion Ratio Lower Upper

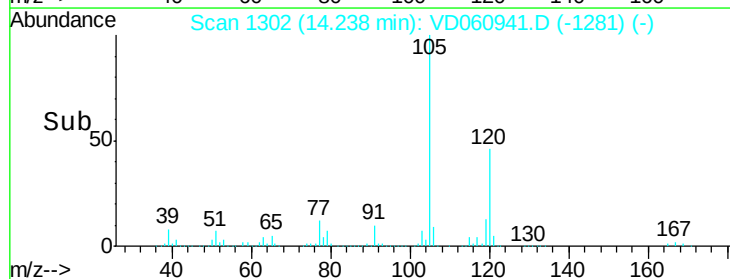
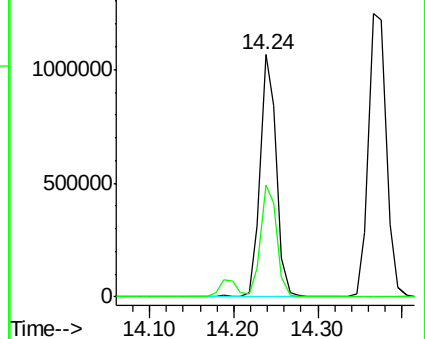
105 100

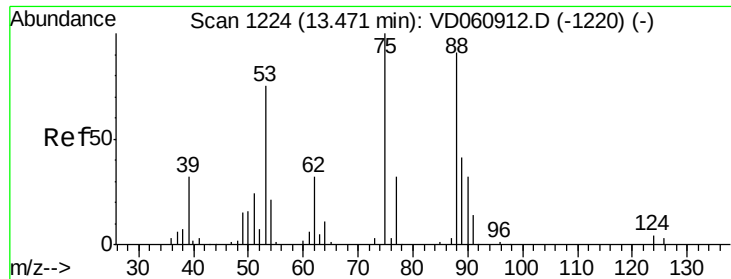
120 46.2 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): VD060912.D (-1293) (-)

Ion 120.05 (119.75 to 120.75): VD060912.D (-1293) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 54.038 ug/l

RT: 13.48 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampled :

BFB

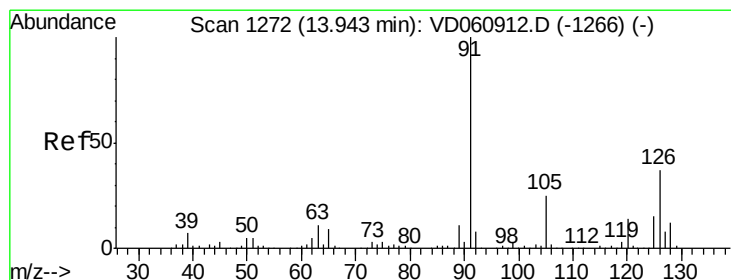
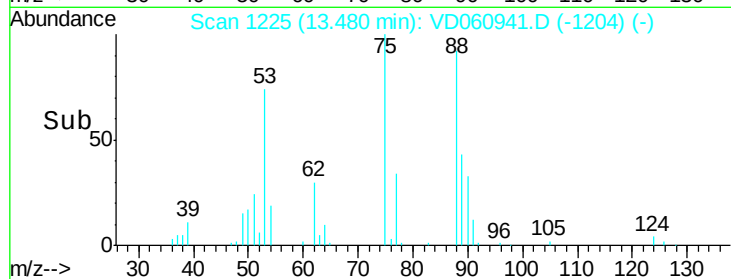
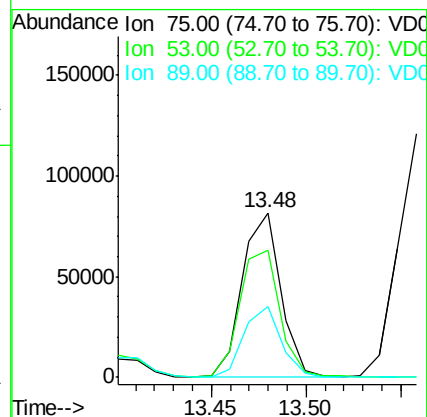
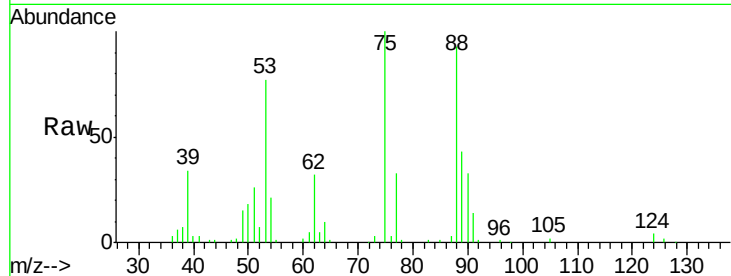
Tot Ion: 75 Resp: 115674

Ion Ratio Lower Upper

75 100

53 77.3 59.8 89.6

89 43.1 33.0 49.6



#82

4-Chlorotoluene

Concen: 51.462 ug/l

RT: 13.95 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VD060941.D

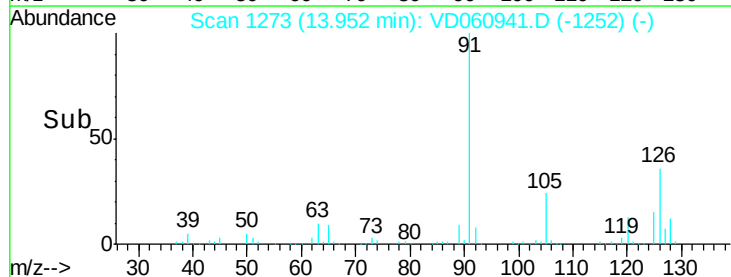
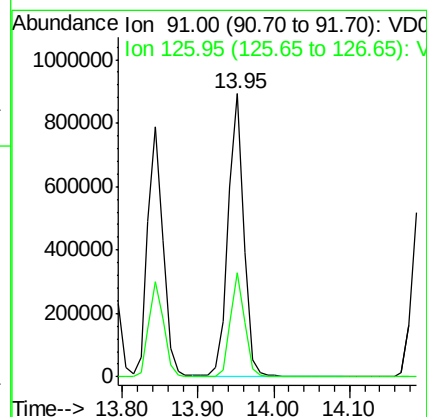
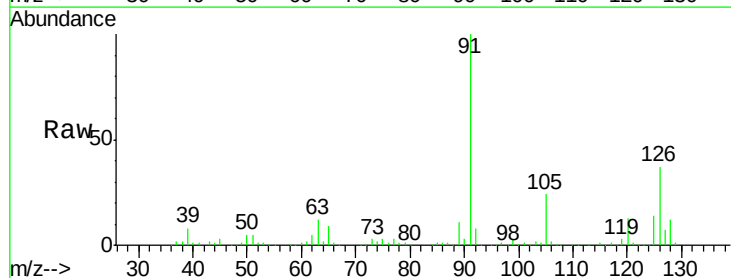
Acq: 5 Mar 2019 11:19

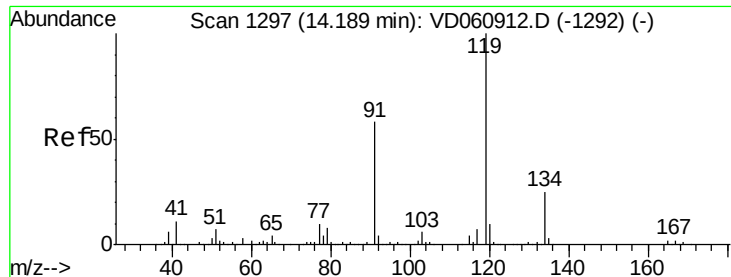
Tgt Ion: 91 Resp: 1279159

Ion Ratio Lower Upper

91 100

126 36.8 18.4 55.2





#83

tert-Butylbenzene

Concen: 53.868 ug/l

RT: 14.20 min Scan# 1298

Delta R.T. 0.01 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampleId :

BFB

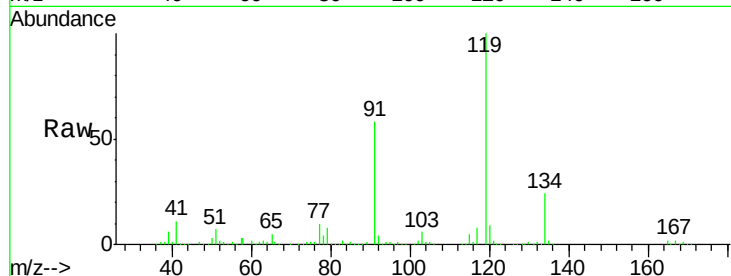
Tot Ion:119 Resp: 1613191

Ion Ratio Lower Upper

119 100

91 58.0 28.8 86.5

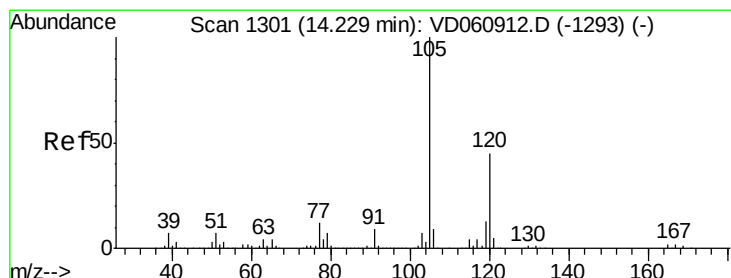
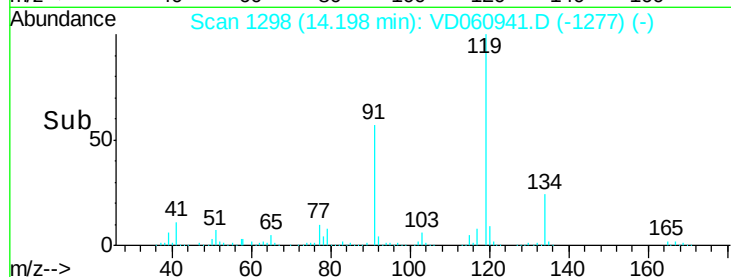
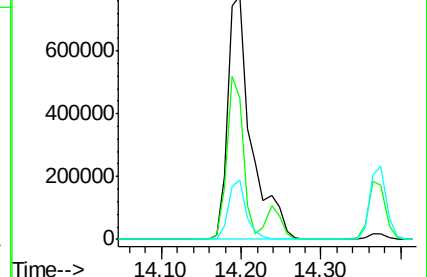
134 24.1 12.6 37.6



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: 55.284 ug/l

RT: 14.24 min Scan# 1302

Delta R.T. 0.01 min

Lab File: VD060941.D

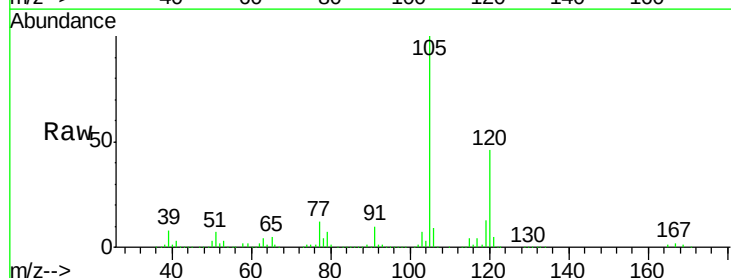
Acq: 5 Mar 2019 11:19

Tgt Ion:105 Resp: 1446019

Ion Ratio Lower Upper

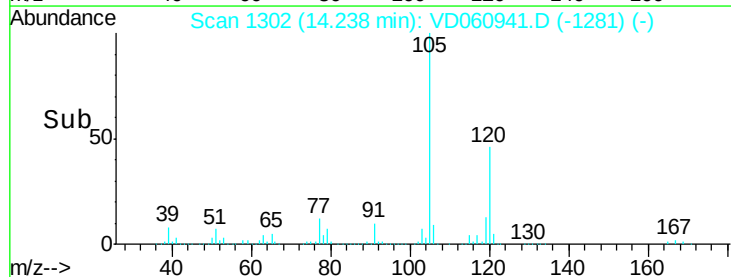
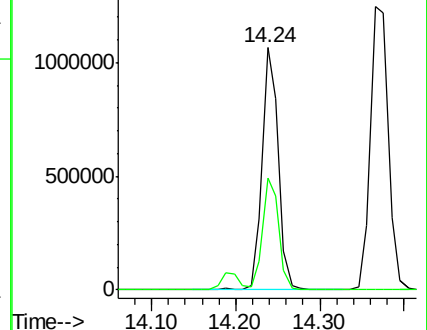
105 100

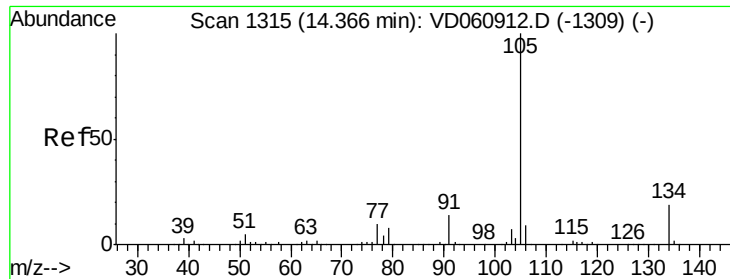
120 46.2 22.7 68.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

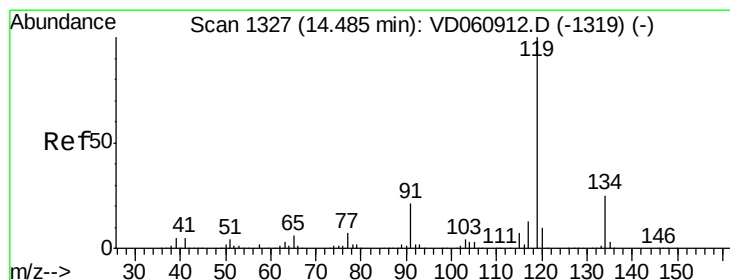
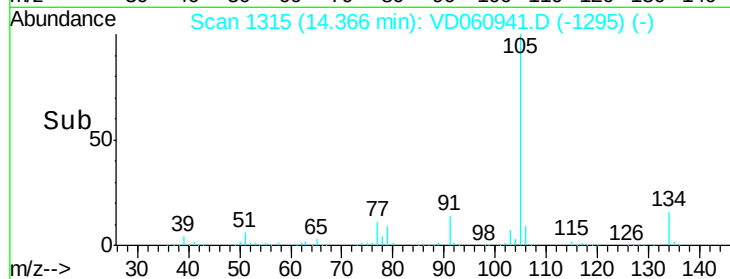
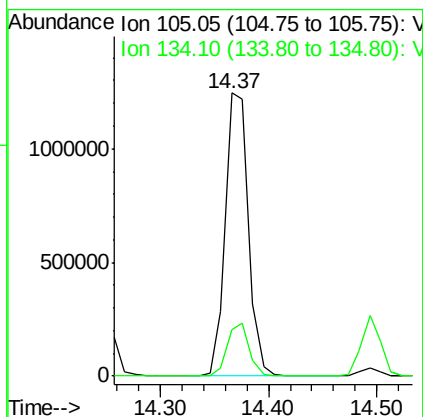
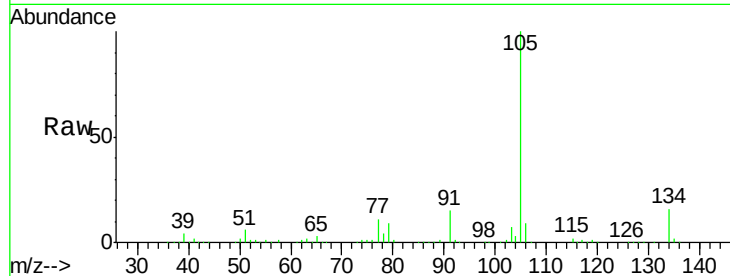




#85
 sec-Butylbenzene
 Concen: 53.256 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD060941.D
 Acq: 5 Mar 2019 11:19

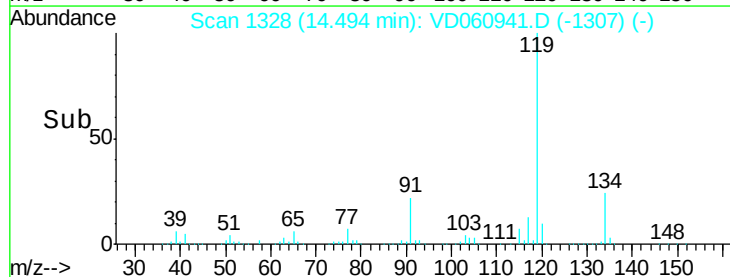
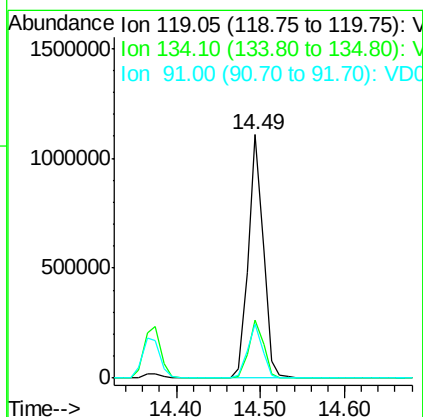
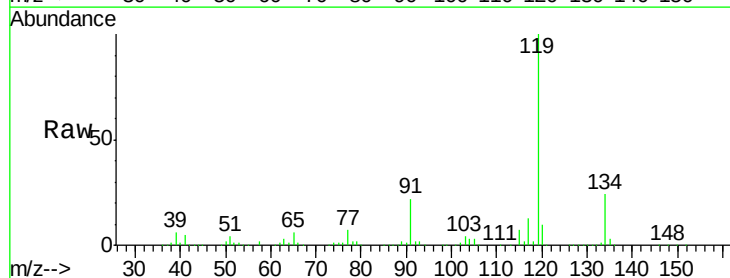
Instrument :
 MSVOA_D
 ClientSampled :
 BFB

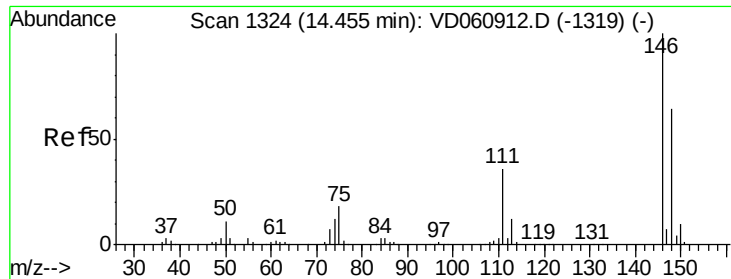
Tot Ion:105 Resp: 1848935
 Ion Ratio Lower Upper
 105 100
 134 16.4 9.7 28.9



#86
 p-Isopropyltoluene
 Concen: 48.353 ug/l
 RT: 14.49 min Scan# 1328
 Delta R.T. 0.01 min
 Lab File: VD060941.D
 Acq: 5 Mar 2019 11:19

Tgt Ion:119 Resp: 1367334
 Ion Ratio Lower Upper
 119 100
 134 23.9 12.4 37.0
 91 22.3 10.8 32.3

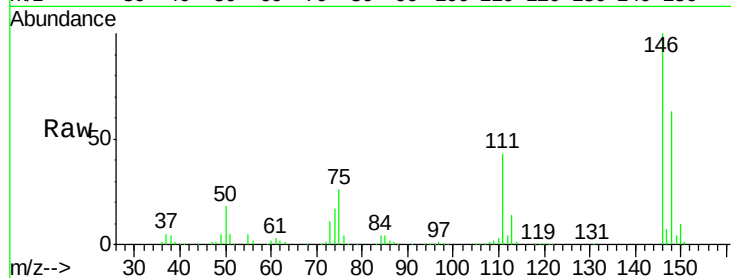




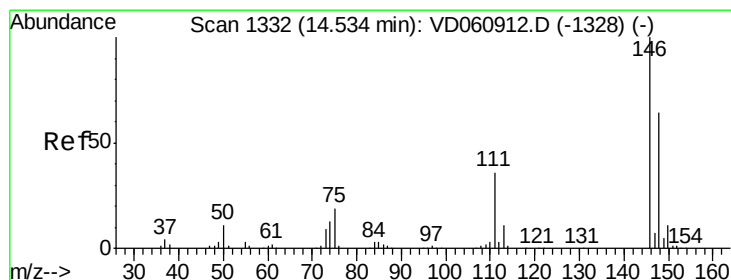
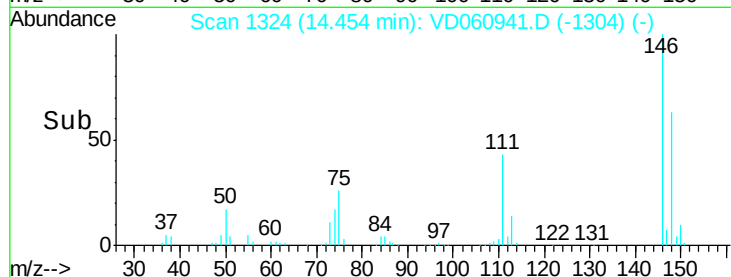
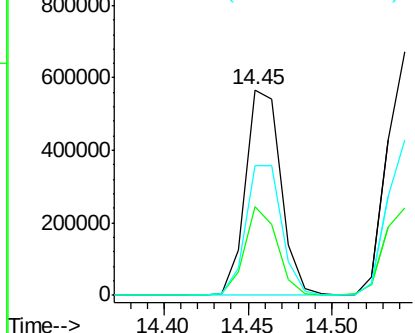
#87
 1,3-Dichlorobenzene
 Concen: 54.107 ug/l
 RT: 14.45 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD060941.D
 Acq: 5 Mar 2019 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Tot Ion:146 Resp: 828699
 Ion Ratio Lower Upper
 146 100
 111 42.9 18.1 54.1
 148 62.9 32.1 96.3

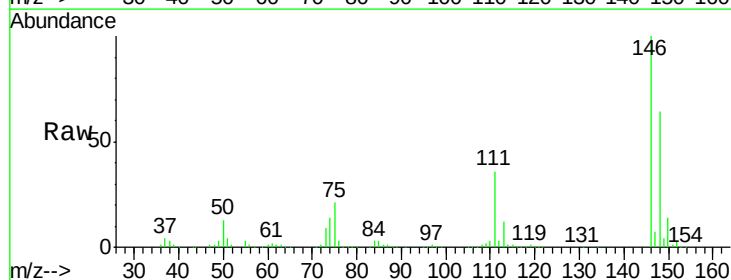


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

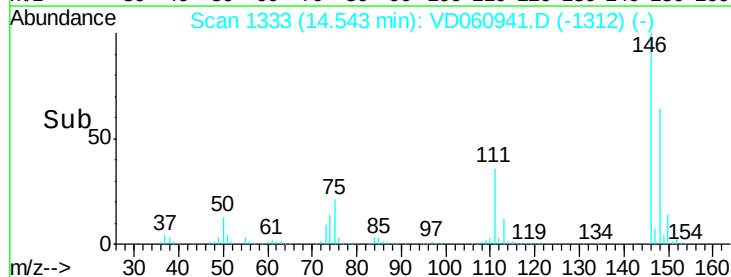
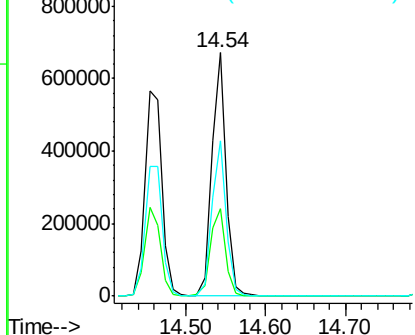


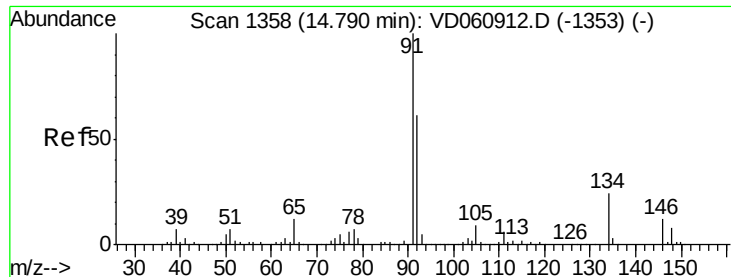
#88
 1,4-Dichlorobenzene
 Concen: 54.951 ug/l
 RT: 14.54 min Scan# 1333
 Delta R.T. 0.01 min
 Lab File: VD060941.D
 Acq: 5 Mar 2019 11:19

Tgt Ion:146 Resp: 835808
 Ion Ratio Lower Upper
 146 100
 111 36.1 17.9 53.8
 148 63.5 32.0 96.0



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

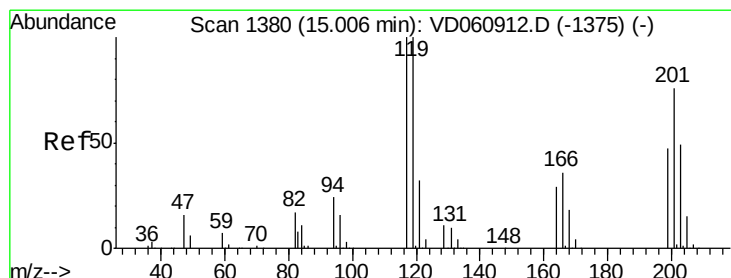
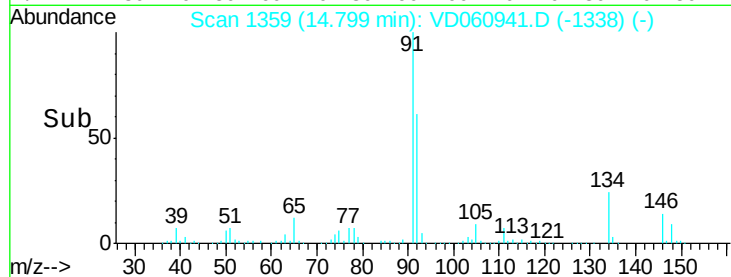
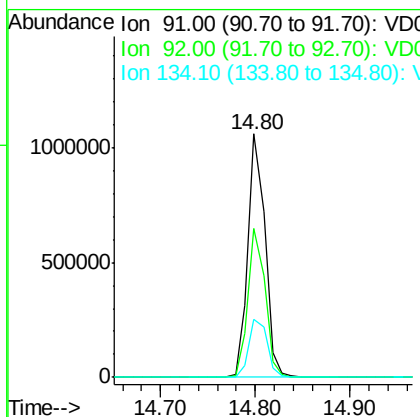
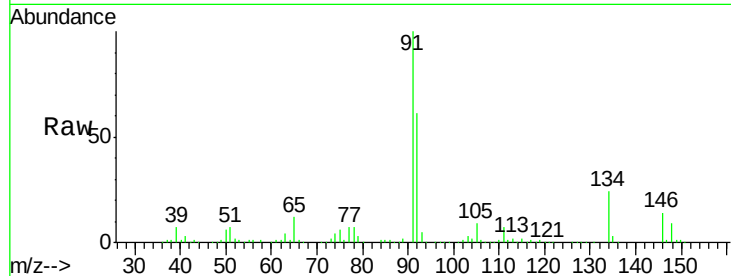




#89
n-Butylbenzene
Concen: 55.316 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

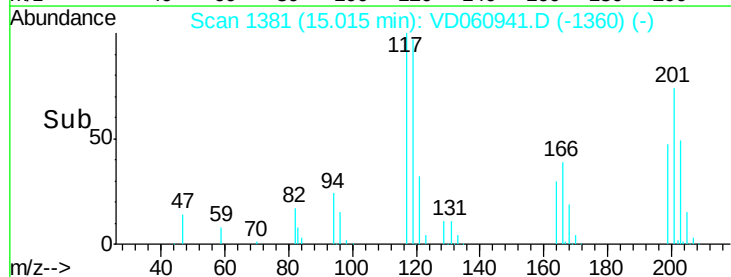
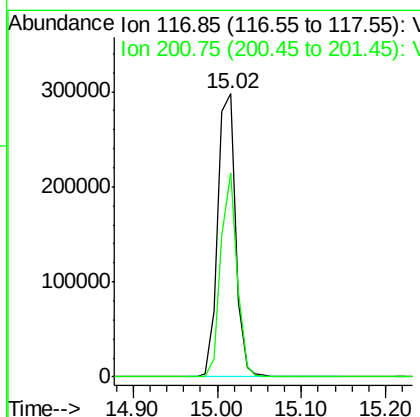
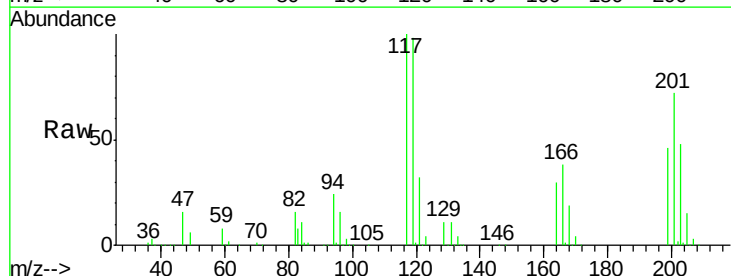
Instrument :
MSVOA_D
ClientSampleId :
BFB

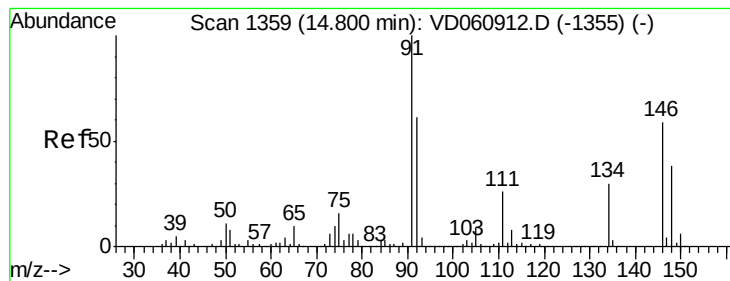
Tot Ion: 91 Resp: 1332442
Ion Ratio Lower Upper
91 100
92 61.0 30.6 91.6
134 23.6 12.0 36.0



#90
Hexachloroethane
Concen: 54.027 ug/l
RT: 15.02 min Scan# 1381
Delta R.T. 0.01 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Tgt Ion: 117 Resp: 440605
Ion Ratio Lower Upper
117 100
201 72.3 37.8 113.4





#91

1,2-Dichlorobenzene

Concen: 49.205 ug/l

RT: 14.81 min Scan# 1360

Delta R.T. 0.01 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

Instrument :

MSVOA_D

ClientSampled :

BFB

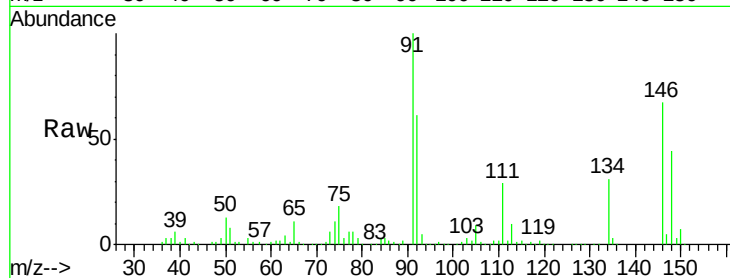
Tot Ion:146 Resp: 652952

Ion Ratio Lower Upper

146 100

111 44.0 22.1 66.3

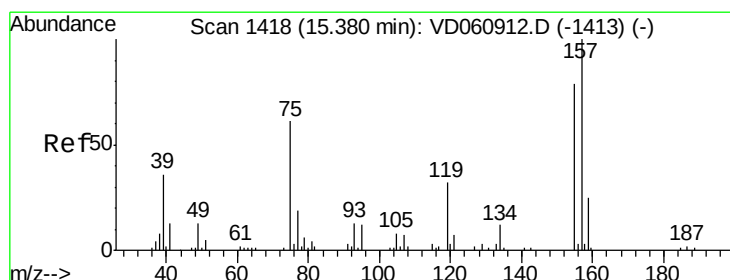
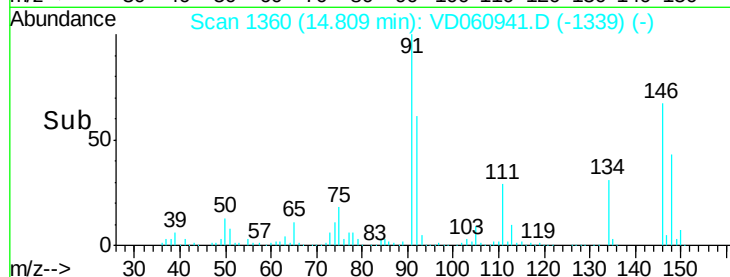
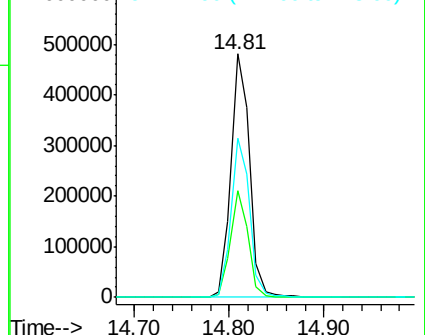
148 65.2 32.1 96.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 55.294 ug/l

RT: 15.38 min Scan# 1418

Delta R.T. -0.00 min

Lab File: VD060941.D

Acq: 5 Mar 2019 11:19

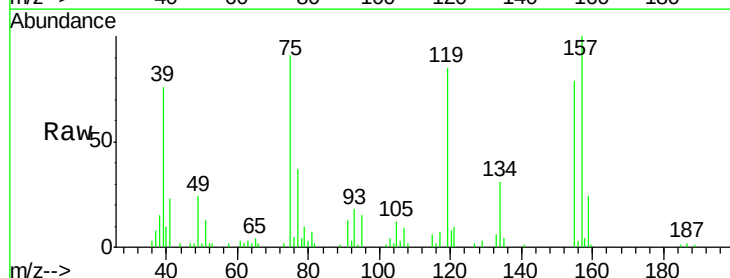
Tgt Ion: 75 Resp: 46282

Ion Ratio Lower Upper

75 100

155 87.4 65.0 195.0

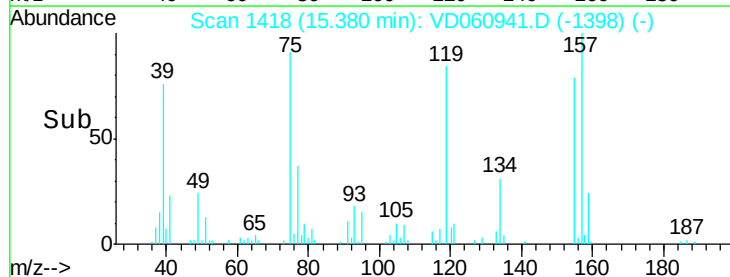
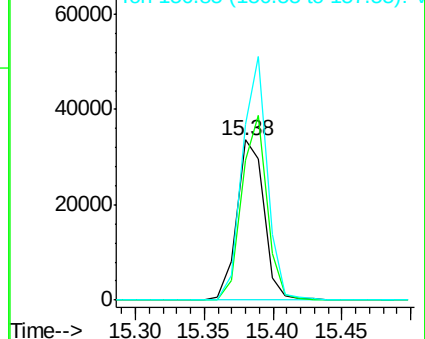
157 110.0 81.8 245.3

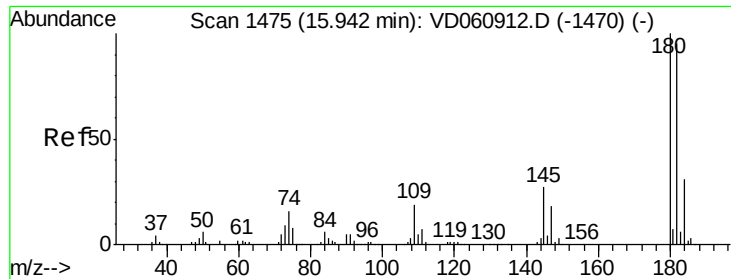


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

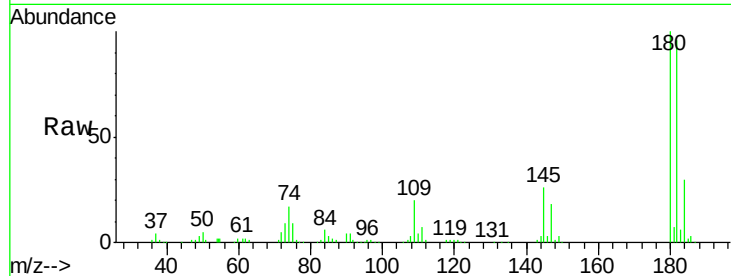




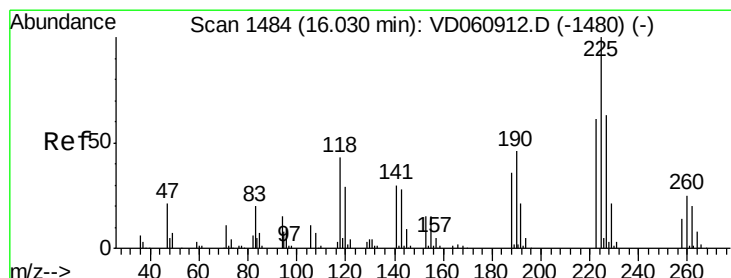
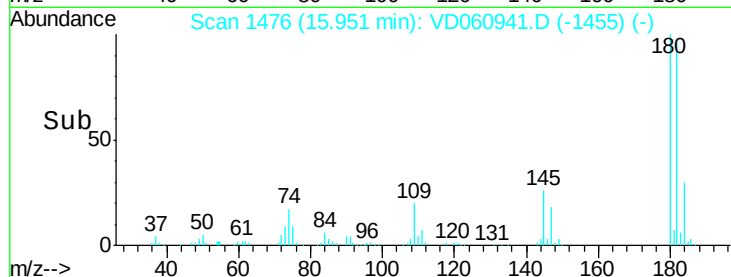
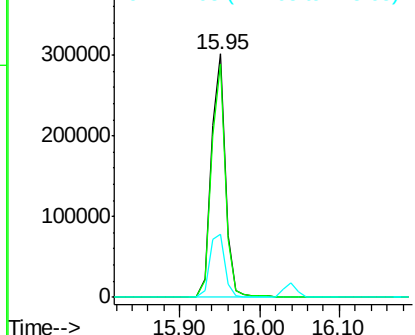
#93
 1,2,4-Trichlorobenzene
 Concen: 48.886 ug/l
 RT: 15.95 min Scan# 1476
 Delta R.T. 0.01 min
 Lab File: VD060941.D
 Acq: 5 Mar 2019 11:19

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Tot Ion:180 Resp: 376682
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.5 142.6
 145 26.2 13.5 40.5

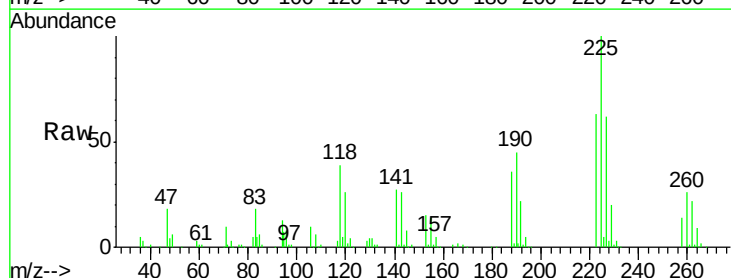


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

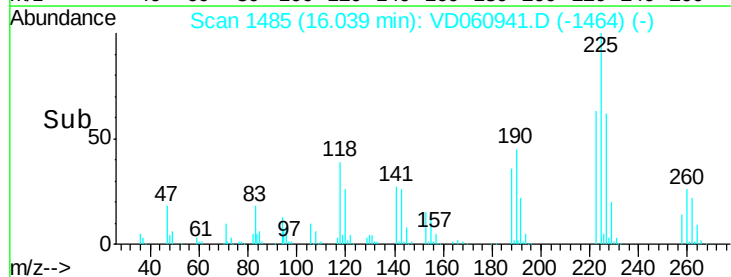
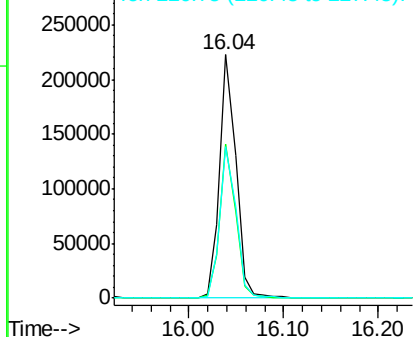


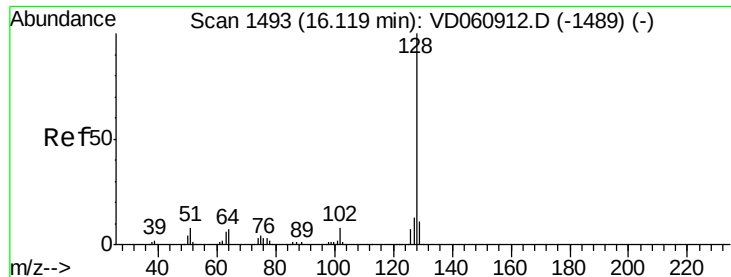
#94
 Hexachlorobutadiene
 Concen: 54.411 ug/l
 RT: 16.04 min Scan# 1485
 Delta R.T. 0.01 min
 Lab File: VD060941.D
 Acq: 5 Mar 2019 11:19

Tgt Ion:225 Resp: 269099
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.4 91.3
 227 62.2 31.4 94.2



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

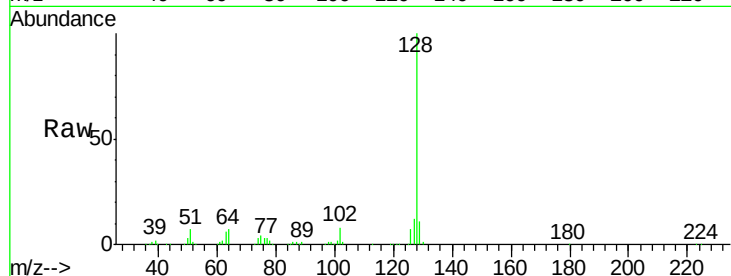




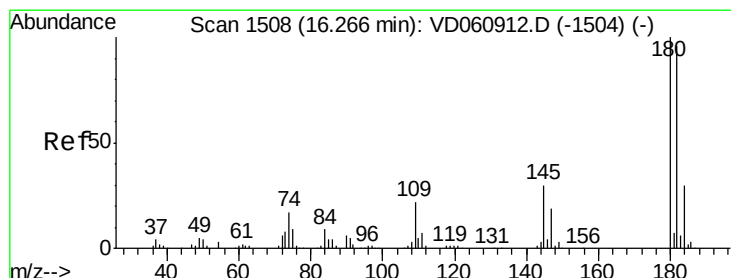
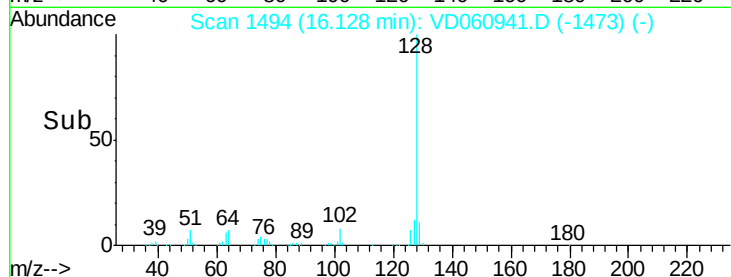
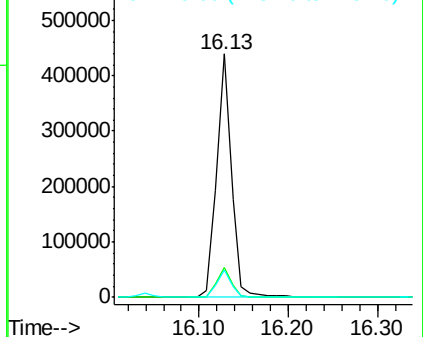
#95
Naphthalene
Concen: 42.609 ug/l
RT: 16.13 min Scan# 1494
Delta R.T. 0.01 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Instrument :
MSVOA_D
ClientSampled :
BFB

Tot Ion:128 Resp: 511263
Ion Ratio Lower Upper
128 100
127 12.2 10.1 15.1
129 11.0 8.7 13.1

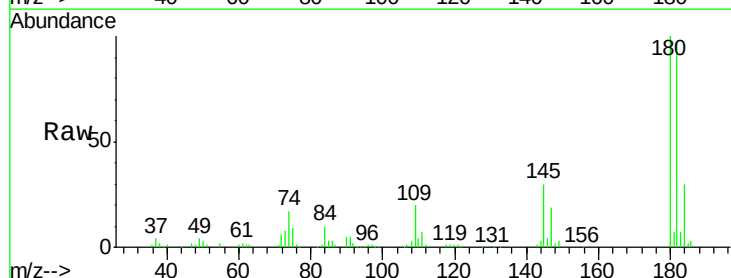


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 47.271 ug/l
RT: 16.28 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VD060941.D
Acq: 5 Mar 2019 11:19

Tgt Ion:180 Resp: 204550
Ion Ratio Lower Upper
180 100
182 96.8 48.1 144.4
145 29.8 14.8 44.4



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

