

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110618\
 Data File : VD060284.D
 Acq On : 6 Nov 2018 11:07
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Quant Time: Nov 06 13:47:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:45:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.42	168	1732180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.46	114	2413091	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1927255	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	946212	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.80	65	61658	5.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.06%	
35) Dibromofluoromethane	6.34	113	85930	4.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.68%	
50) Toluene-d8	9.47	98	253705	4.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.86%	
62) 4-Bromofluorobenzene	12.44	95	96637	5.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.60	85	83772	5.553	ug/l	97
3) Chloromethane	1.77	50	92867	5.921	ug/l	94
4) Vinyl Chloride	1.87	62	70797	5.369	ug/l	98
5) Bromomethane	2.17	94	18811	5.195	ug/l	97
6) Chloroethane	2.28	64	23650	4.986	ug/l	99
7) Trichlorofluoromethane	2.53	101	81910	4.990	ug/l	98
8) Diethyl Ether	2.84	74	14517	4.673	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.11	101	53266	5.045	ug/l	99
10) Methyl Iodide	3.26	142	68484	6.692	ug/l	94
11) Tert butyl alcohol	3.97	59	12882	24.315	ug/l	98
12) 1,1-Dichloroethene	3.09	96	46425	5.321	ug/l	86
13) Acrolein	3.00	56	16274	24.770	ug/l	89
14) Allyl chloride	3.55	41	79306	4.783	ug/l	94
15) Acrylonitrile	4.10	53	72853	25.081	ug/l	95
16) Acetone	3.17	43	56298	25.056	ug/l	98
17) Carbon Disulfide	3.33	76	140079	4.947	ug/l	99
18) Methyl Acetate	3.57	43	26312	5.723	ug/l	100
19) Methyl tert-butyl Ether	4.14	73	122015	4.969	ug/l	100
20) Methylene Chloride	3.74	84	111691	5.228	ug/l	96
21) trans-1,2-Dichloroethene	4.12	96	91011	4.894	ug/l	98
22) Diisopropyl ether	4.87	45	298515	4.946	ug/l	93
23) Vinyl Acetate	4.82	43	733194	24.388	ug/l	100
24) 1,1-Dichloroethane	4.78	63	150605	4.943	ug/l	99
25) 2-Butanone	5.64	43	106522	24.956	ug/l	100
26) 2,2-Dichloropropane	5.61	77	121528	5.081	ug/l	94
27) cis-1,2-Dichloroethene	5.62	96	93875	4.858	ug/l	97
28) Bromochloromethane	5.94	49	70066	5.170	ug/l	93
29) Tetrahydrofuran	5.97	42	60295	26.870	ug/l	94
30) Chloroform	6.12	83	150886	4.907	ug/l	93
31) Cyclohexane	6.38	56	167372	5.823	ug/l	98
32) 1,1,1-Trichloroethane	6.30	97	126767	5.000	ug/l	98
36) 1,1-Dichloropropene	6.54	75	120486	5.165	ug/l	95
37) Ethyl Acetate	5.71	43	52741	5.066	ug/l	99
38) Carbon Tetrachloride	6.51	117	112869	5.309	ug/l	97

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 Data File : VD060284.D
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 Sample : VSTDIC005
 Misc : 5.00G/5ML/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Quant Time: Nov 06 13:47:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 06 13:45:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.06	83	134775	5.138	ug/l	98
40) Benzene	6.81	78	306347	5.089	ug/l	100
41) Methacrylonitrile	5.97	41	61416	8.928	ug/l #	85
42) 1,2-Dichloroethane	6.91	62	77497	4.967	ug/l	96
43) Isopropyl Acetate	8.36	43	65360	4.863	ug/l #	95
44) Trichloroethene	7.75	130	87889	4.778	ug/l	99
45) 1,2-Dichloropropane	8.12	63	73627	4.904	ug/l	92
46) Dibromomethane	8.23	93	42590	4.947	ug/l	98
47) Bromodichloromethane	8.51	83	96848	4.674	ug/l	99
48) Methyl methacrylate	8.26	41	38968	4.839	ug/l	99
49) 1,4-Dioxane	8.24	88	6636	92.054	ug/l	85
51) 4-Methyl-2-Pentanone	9.36	43	227323	26.800	ug/l	97
52) Toluene	9.56	92	191233	5.021	ug/l	98
53) t-1,3-Dichloropropene	9.94	75	82896	4.822	ug/l	99
54) cis-1,3-Dichloropropene	9.12	75	105635	4.709	ug/l	96
55) 1,1,2-Trichloroethane	10.19	97	63083	5.920	ug/l	93
56) Ethyl methacrylate	10.04	69	43792	4.323	ug/l	92
57) 1,3-Dichloropropane	10.40	76	83859	5.150	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.94	63	155937	26.039	ug/l	99
59) 2-Hexanone	10.50	43	143578	22.983	ug/l	95
60) Dibromochloromethane	10.65	129	60743	4.497	ug/l	97
61) 1,2-Dibromoethane	10.77	107	52785	4.882	ug/l	100
64) Tetrachloroethene	10.27	164	83424	4.940	ug/l	97
65) Chlorobenzene	11.32	112	207743	5.030	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.43	131	65264	4.790	ug/l	99
67) Ethyl Benzene	11.44	91	370074	5.248	ug/l	97
68) m/p-Xylenes	11.58	106	267252	10.268	ug/l	97
69) o-Xylene	11.94	106	123934	4.900	ug/l	100
70) Styrene	11.96	104	200242	4.917	ug/l	95
71) Bromoform	12.13	173	39260	4.495	ug/l #	96
73) Isopropylbenzene	12.29	105	356204	5.338	ug/l	99
74) N-amyl acetate	12.14	43	79875	4.716	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.57	83	57279	5.319	ug/l	99
76) 1,2,3-Trichloropropane	12.60	75	53738	5.002	ug/l	93
77) Bromobenzene	12.55	156	93813	5.264	ug/l	92
78) n-propylbenzene	12.64	91	447273	5.331	ug/l	94
79) 2-Chlorotoluene	12.71	91	241424	5.215	ug/l	94
80) 1,3,5-Trimethylbenzene	12.80	105	279762	5.395	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.35	75	14660	5.056	ug/l	86
82) 4-Chlorotoluene	12.82	91	284720	5.512	ug/l	95
83) tert-Butylbenzene	13.06	119	301521	5.231	ug/l	93
84) 1,2,4-Trimethylbenzene	13.10	105	276374	5.252	ug/l	95
85) sec-Butylbenzene	13.23	105	379653	5.399	ug/l	97
86) p-Isopropyltoluene	13.35	119	290069	5.190	ug/l	97
87) 1,3-Dichlorobenzene	13.32	146	160837	5.055	ug/l	97
88) 1,4-Dichlorobenzene	13.40	146	160879	5.185	ug/l	95
89) n-Butylbenzene	13.66	91	318921	5.572	ug/l	97
90) Hexachloroethane	13.86	117	61882	4.548	ug/l	85
91) 1,2-Dichlorobenzene	13.67	146	139510	5.376	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	5717	4.327	ug/l	94

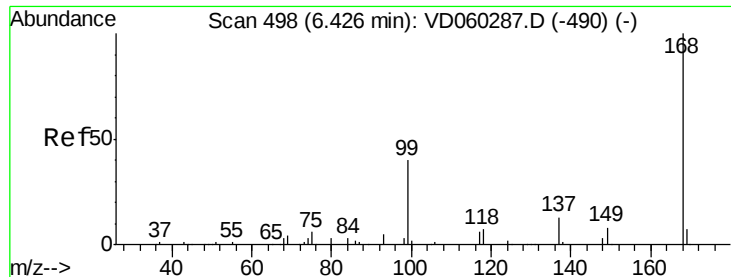
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD110618\
Data File : VD060284.D
Acq On : 6 Nov 2018 11:07
Operator : VA/AP
Sample : VSTDICC005
Misc : 5.00G/5ML/MSVOA_D/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
BFB

Quant Time: Nov 06 13:47:29 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D110618S.M
Quant Title : SW846 8260
QLast Update : Tue Nov 06 13:45:11 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	104447	5.189	ug/l	99
94) Hexachlorobutadiene	14.89	225	75529	5.080	ug/l	97
95) Naphthalene	14.97	128	118884	4.747	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	79854	4.913	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.42 min Scan# 498

Delta R.T. -0.00 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

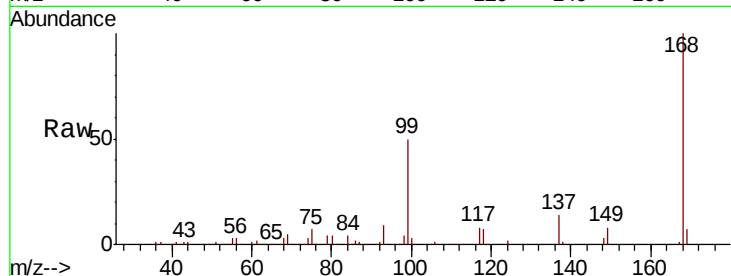
BFB

Tgt Ion:168 Resp: 1732180

Ion Ratio Lower Upper

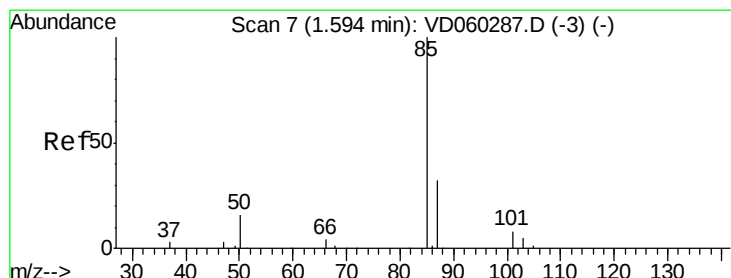
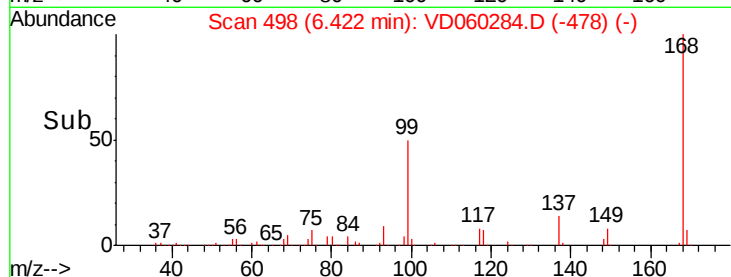
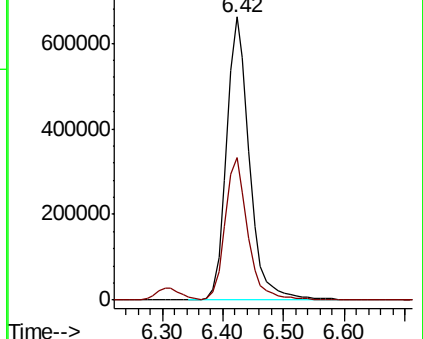
168 100

99 50.2 39.8 59.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 5.553 ug/l

RT: 1.60 min Scan# 8

Delta R.T. 0.01 min

Lab File: VD060284.D

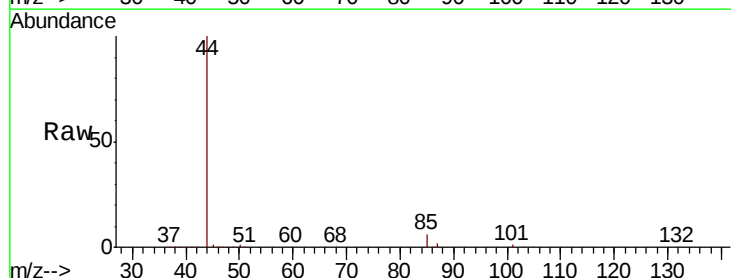
Acq: 6 Nov 2018 11:07

Tgt Ion: 85 Resp: 83772

Ion Ratio Lower Upper

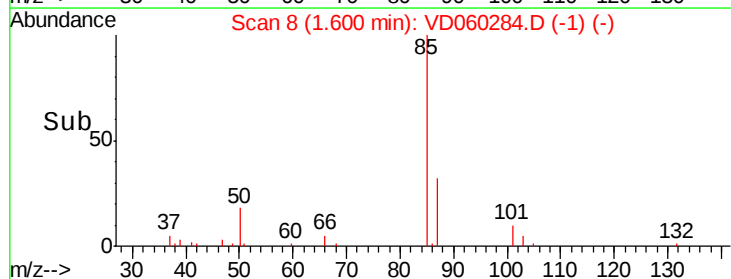
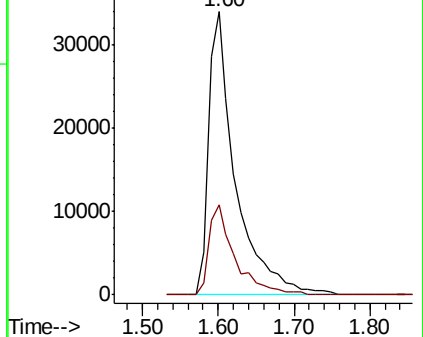
85 100

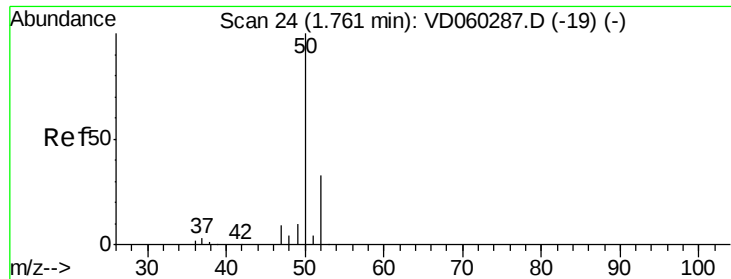
87 32.0 16.8 50.4



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.921 ug/l

RT: 1.77 min Scan# 25

Delta R.T. 0.01 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

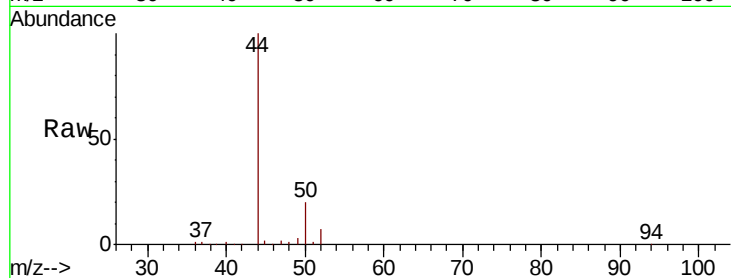
BFB

Tgt Ion: 50 Resp: 92867

Ion Ratio Lower Upper

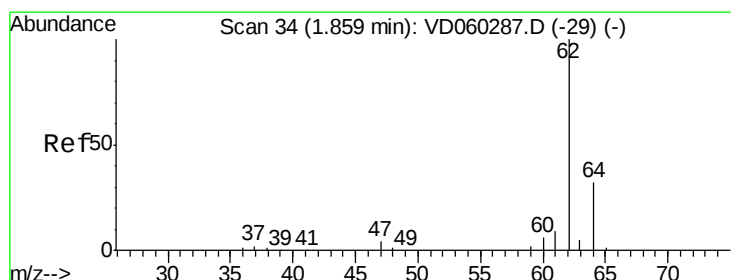
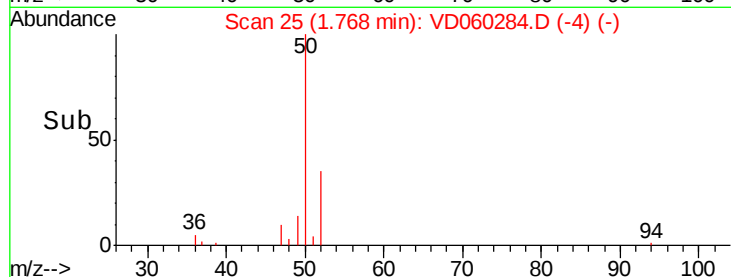
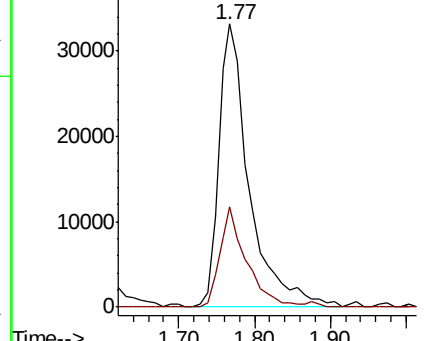
50 100

52 35.4 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.369 ug/l

RT: 1.87 min Scan# 35

Delta R.T. 0.01 min

Lab File: VD060284.D

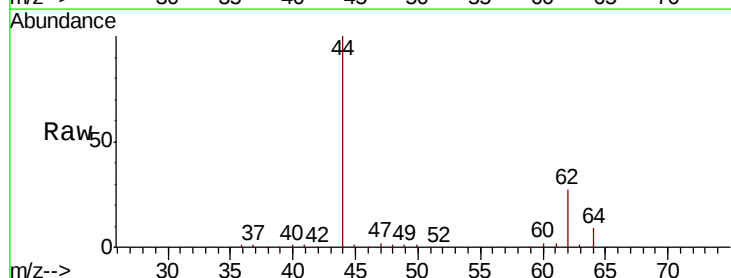
Acq: 6 Nov 2018 11:07

Tgt Ion: 62 Resp: 70797

Ion Ratio Lower Upper

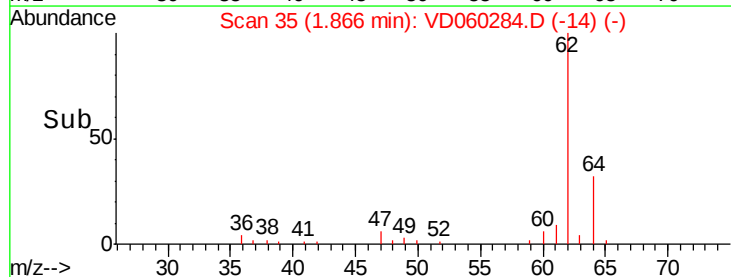
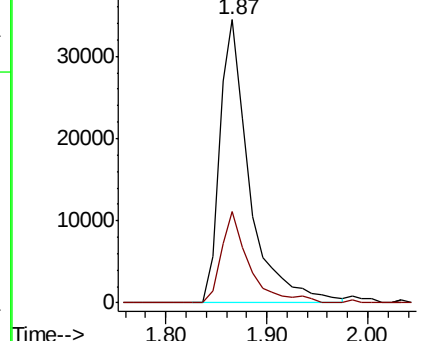
62 100

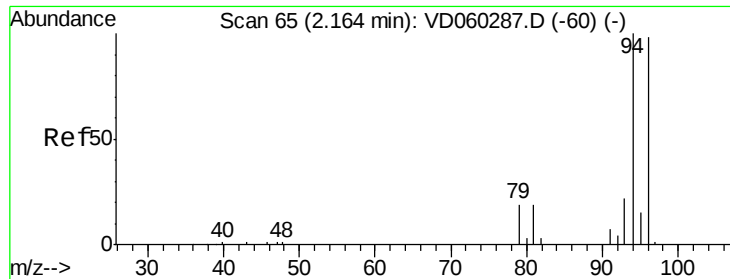
64 32.1 24.9 37.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 5.195 ug/l

RT: 2.17 min Scan# 66

Delta R.T. 0.01 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

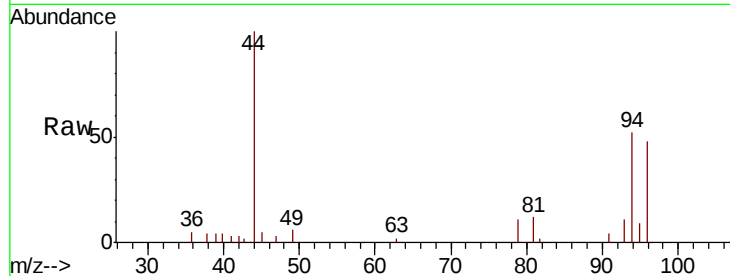
BFB

Tgt Ion: 94 Resp: 18811

Ion Ratio Lower Upper

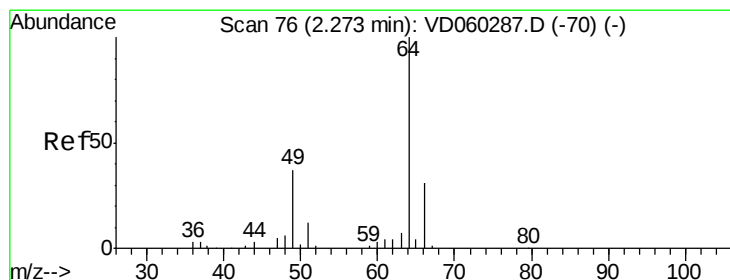
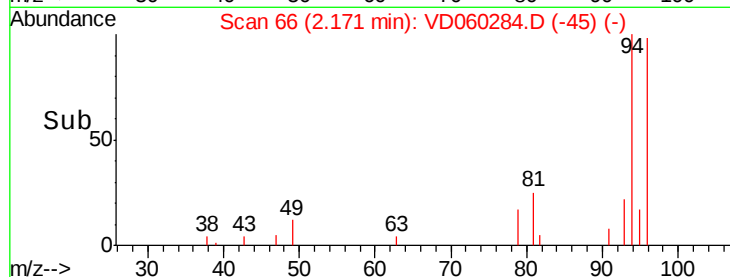
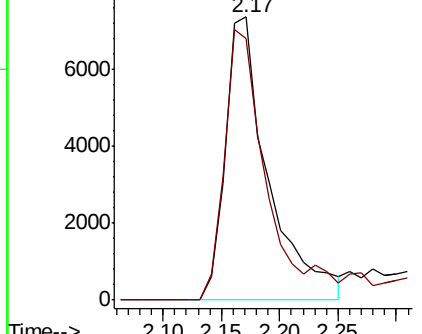
94 100

96 92.6 76.6 114.8



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 4.986 ug/l

RT: 2.28 min Scan# 77

Delta R.T. 0.01 min

Lab File: VD060284.D

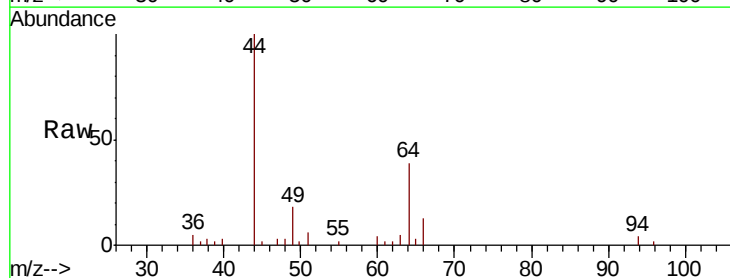
Acq: 6 Nov 2018 11:07

Tgt Ion: 64 Resp: 23650

Ion Ratio Lower Upper

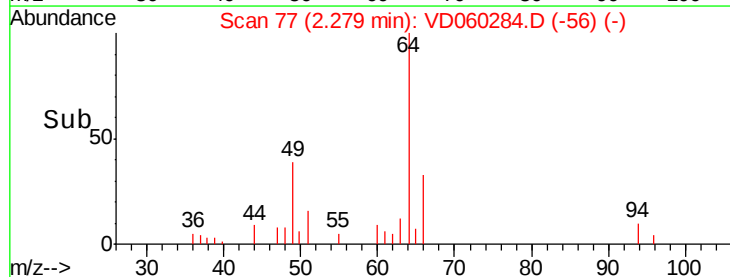
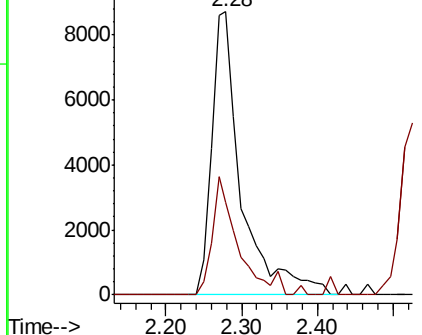
64 100

66 32.8 26.6 40.0



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



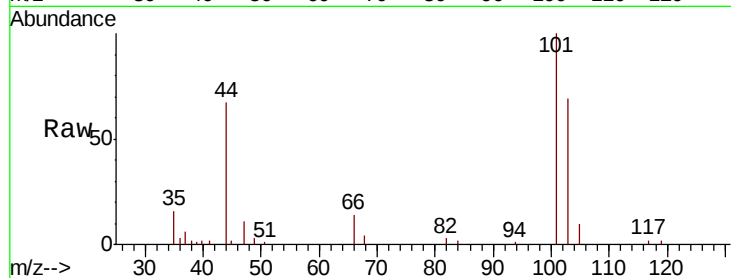


#7

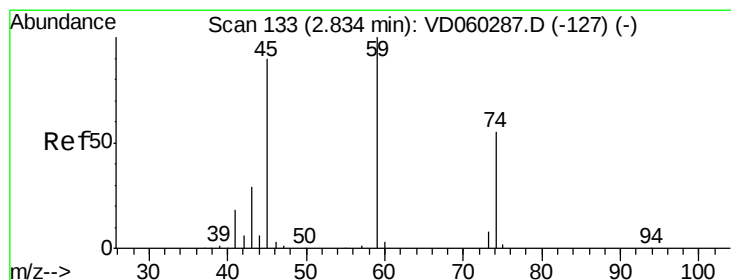
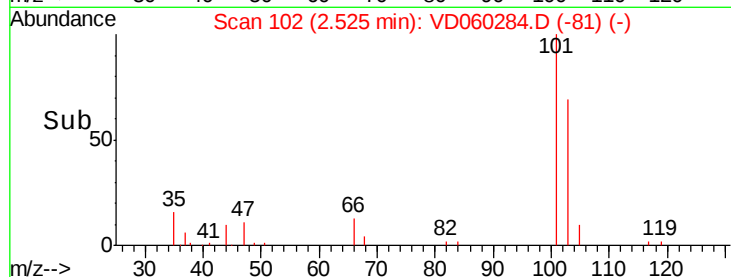
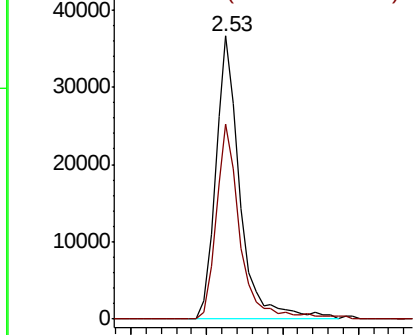
Trichlorofluoromethane
 Concen: 4.990 ug/l
 RT: 2.53 min Scan# 102
 Delta R.T. 0.01 min
 Lab File: VD060284.D
 Acq: 6 Nov 2018 11:07

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Tgt Ion: 101 Resp: 81910
 Ion Ratio Lower Upper
 101 100
 103 68.8 53.6 80.4



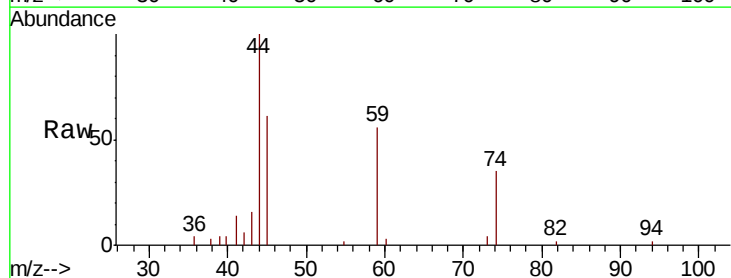
Abundance Ion 100.85 (100.55 to 101.55): V
 Ion 102.85 (102.55 to 103.55): V



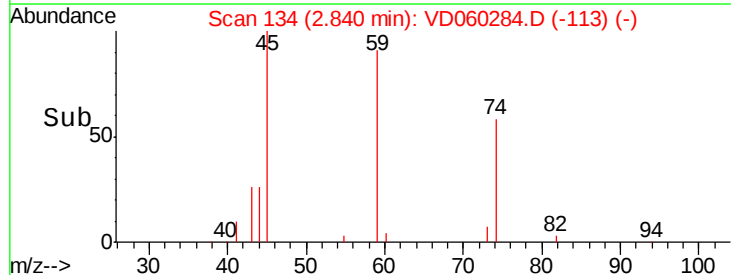
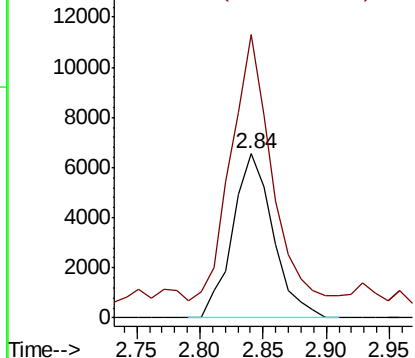
#8

Diethyl Ether
 Concen: 4.673 ug/l
 RT: 2.84 min Scan# 134
 Delta R.T. 0.01 min
 Lab File: VD060284.D
 Acq: 6 Nov 2018 11:07

Tgt Ion: 74 Resp: 14517
 Ion Ratio Lower Upper
 74 100
 45 172.4 84.8 254.4



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: 5.045 ug/l

RT: 3.11 min Scan# 161

Delta R.T. 0.01 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampled :

BFB

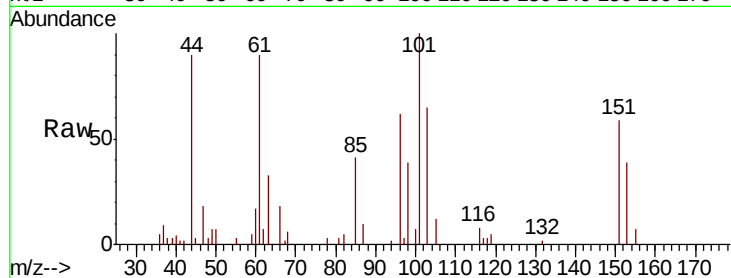
Tgt Ion:101 Resp: 53266

Ion Ratio Lower Upper

101 100

85 40.8 31.4 47.0

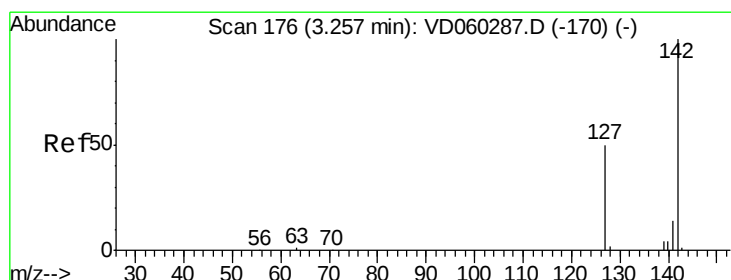
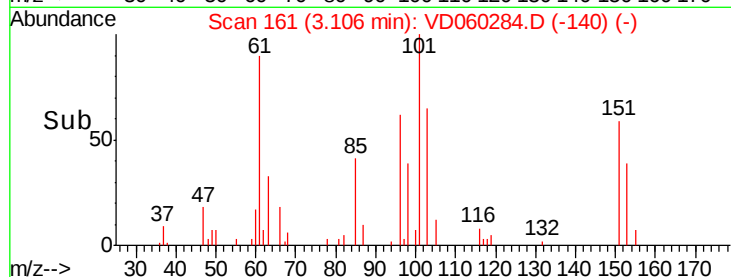
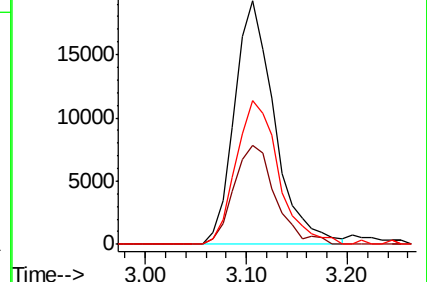
151 59.3 47.4 71.0



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: 6.692 ug/l

RT: 3.26 min Scan# 177

Delta R.T. 0.01 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

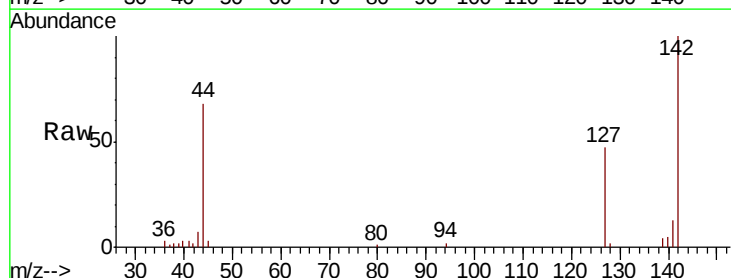
Tgt Ion:142 Resp: 68484

Ion Ratio Lower Upper

142 100

127 47.0 41.0 61.6

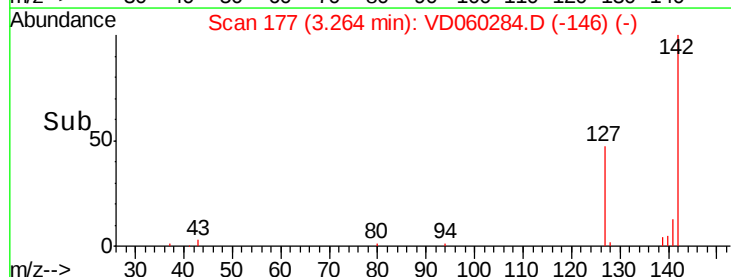
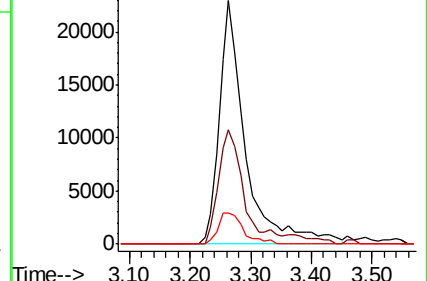
141 12.7 11.9 17.9

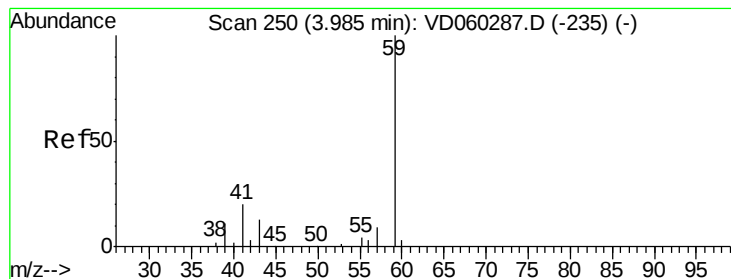


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 24.315 ug/l

RT: 3.97 min Scan# 249

Delta R.T. -0.01 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

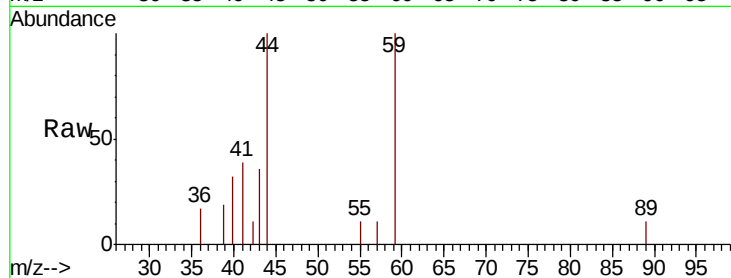
BFB

Tgt Ion: 59 Resp: 12882

Ion Ratio Lower Upper

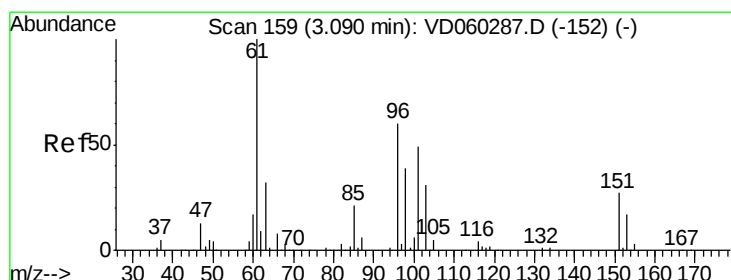
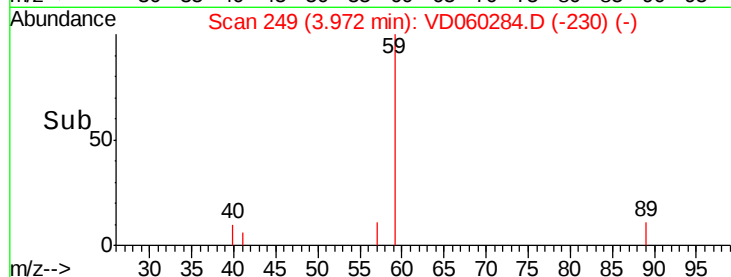
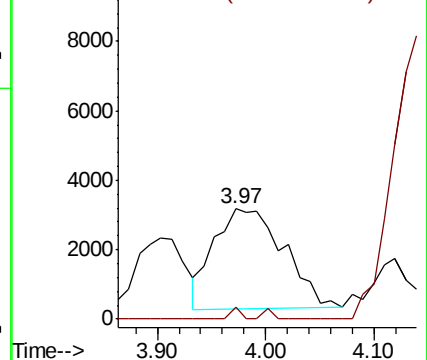
59 100

57 10.7 9.3 13.9



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC



#12

1,1-Dichloroethene

Concen: 5.321 ug/l

RT: 3.09 min Scan# 159

Delta R.T. -0.00 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

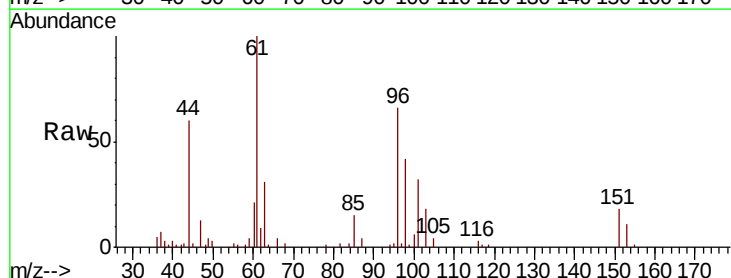
Tgt Ion: 96 Resp: 46425

Ion Ratio Lower Upper

96 100

61 151.8 142.2 213.4

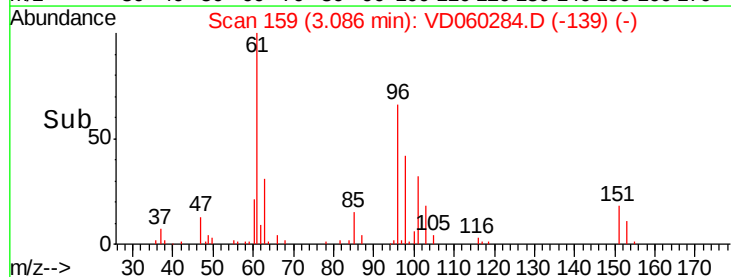
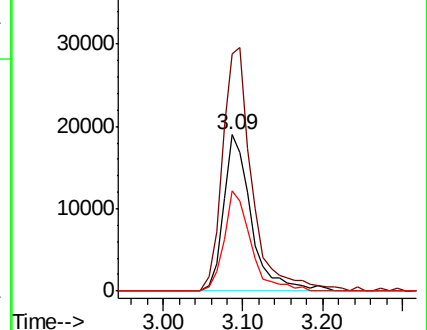
98 64.1 52.6 79.0

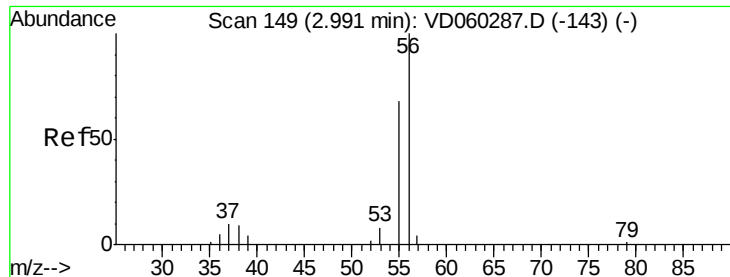


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#13

Acrolein

Concen: 24.770 ug/l

RT: 3.00 min Scan# 150

Delta R.T. 0.01 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

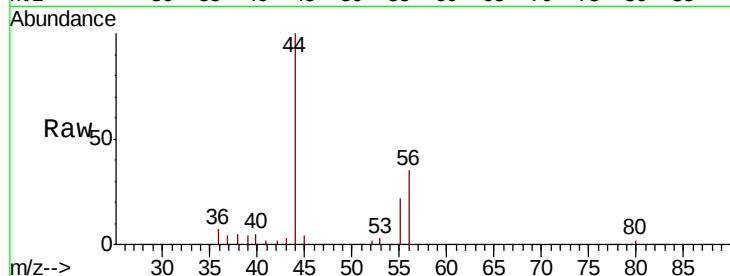
BFB

Tgt Ion: 56 Resp: 16274

Ion Ratio Lower Upper

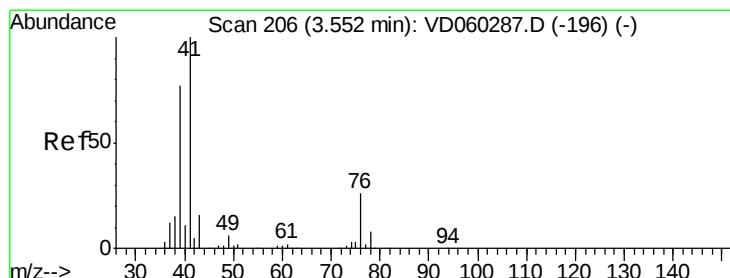
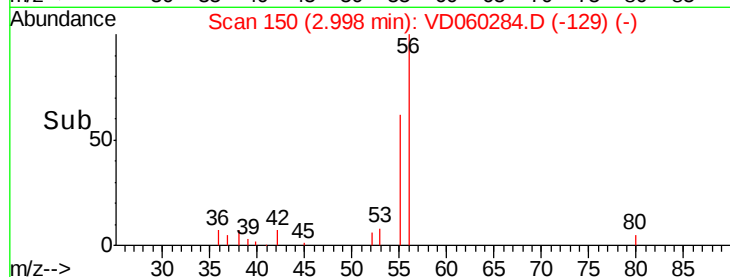
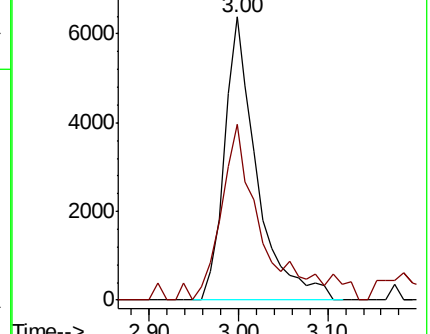
56 100

55 62.3 57.0 85.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 4.783 ug/l

RT: 3.55 min Scan# 206

Delta R.T. -0.00 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

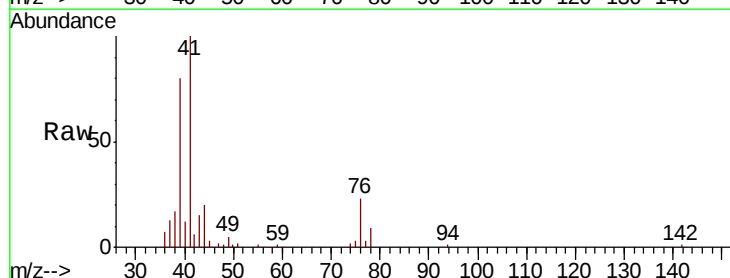
Tgt Ion: 41 Resp: 79306

Ion Ratio Lower Upper

41 100

39 80.4 60.4 90.6

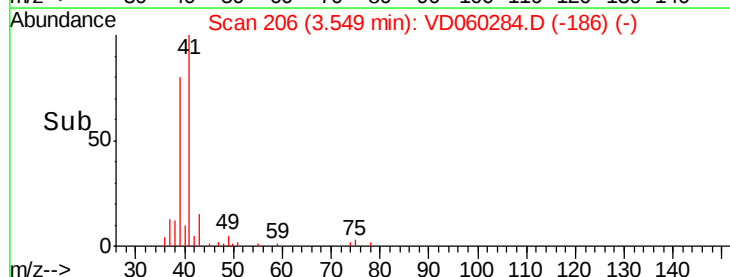
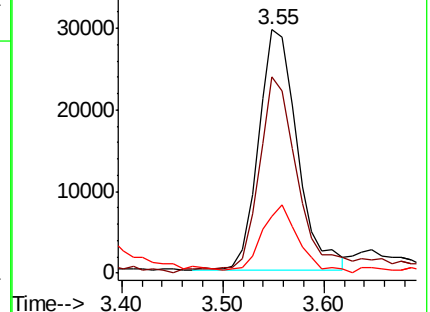
76 23.5 21.8 32.8



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





#15

Acrylonitrile

Concen: 25.081 ug/l

RT: 4.10 min Scan# 262

Delta R.T. 0.01 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

BFB

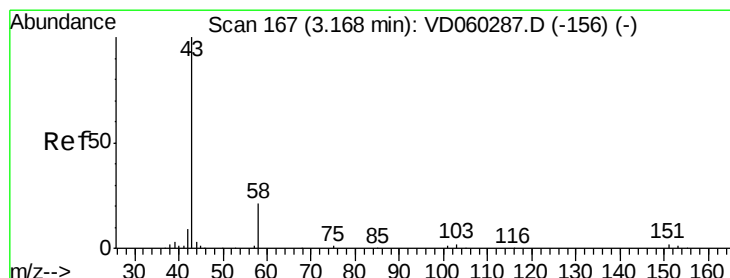
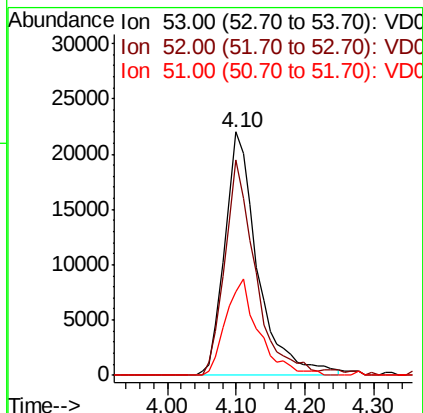
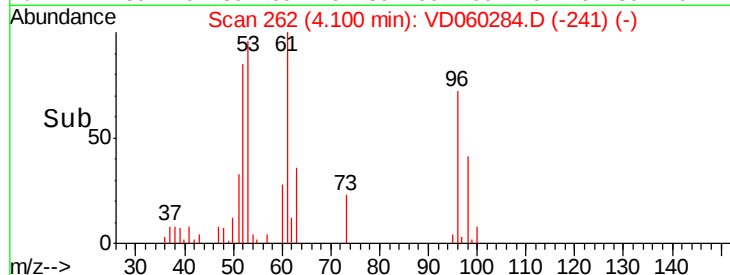
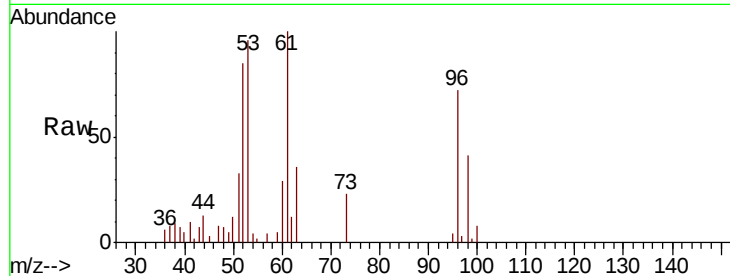
Tgt Ion: 53 Resp: 72853

Ion Ratio Lower Upper

53 100

52 88.5 67.0 100.4

51 34.5 29.9 44.9



#16

Acetone

Concen: 25.056 ug/l

RT: 3.17 min Scan# 168

Delta R.T. 0.01 min

Lab File: VD060284.D

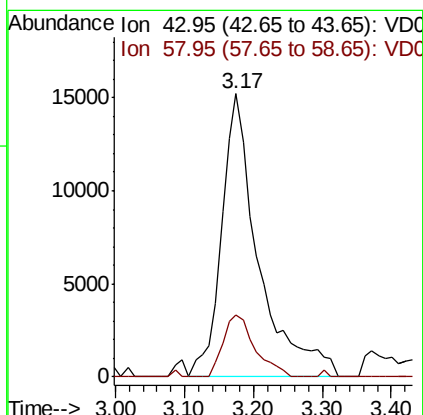
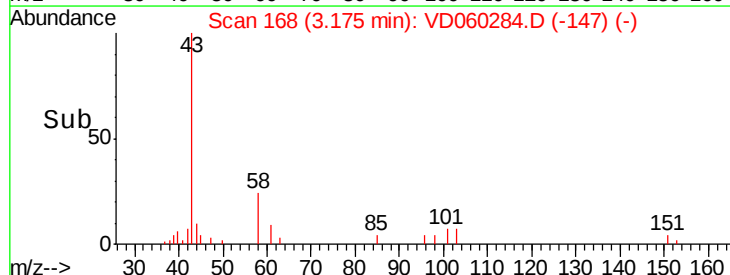
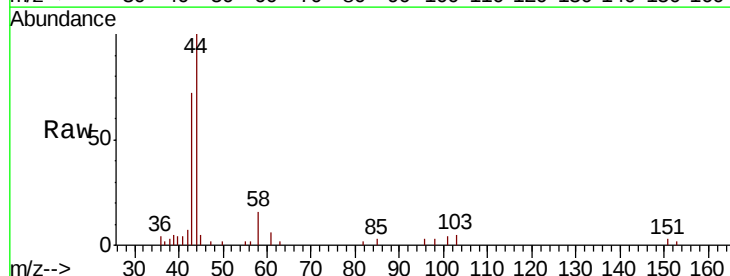
Acq: 6 Nov 2018 11:07

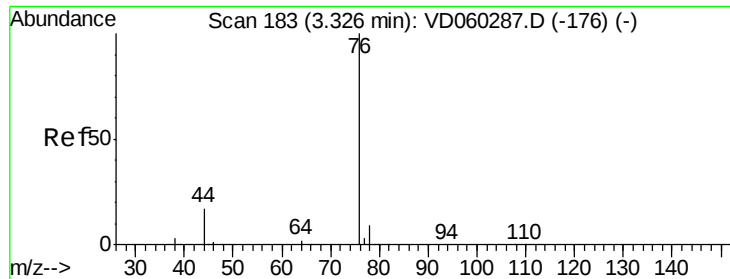
Tgt Ion: 43 Resp: 56298

Ion Ratio Lower Upper

43 100

58 22.1 16.9 25.3

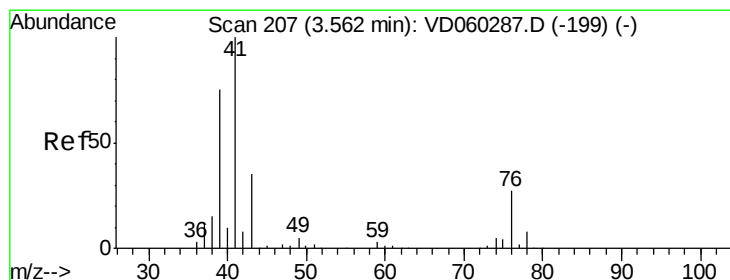
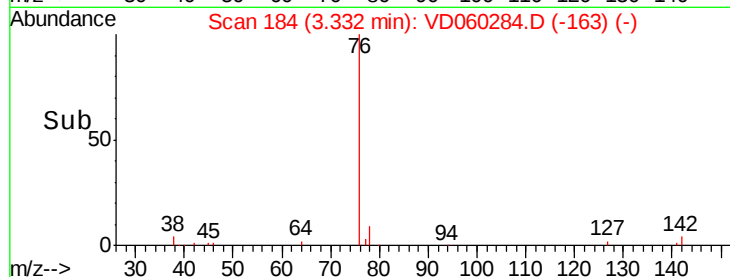
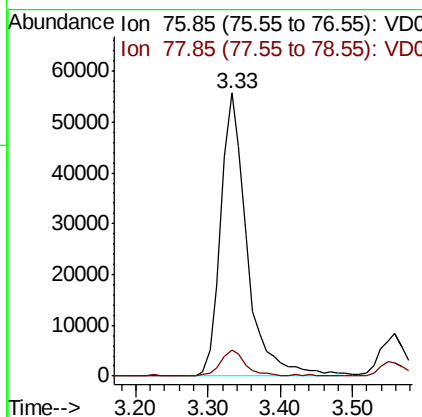
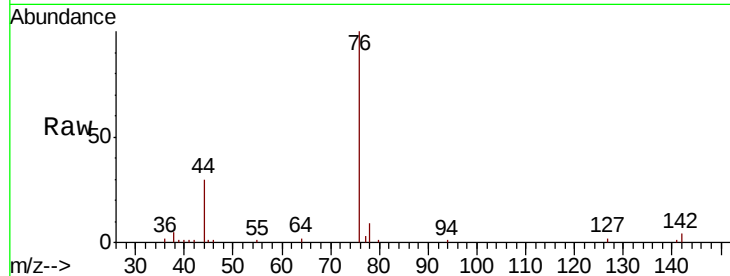




#17
Carbon Disulfide
Concen: 4.947 ug/l
RT: 3.33 min Scan# 184
Delta R.T. 0.01 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

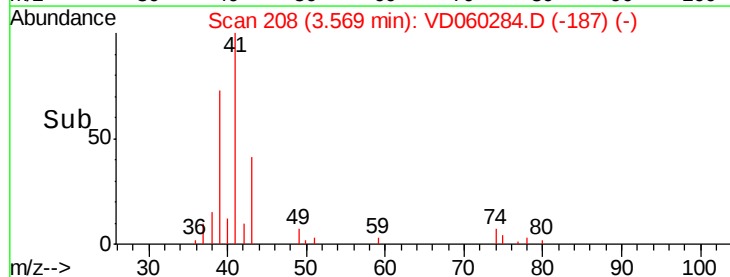
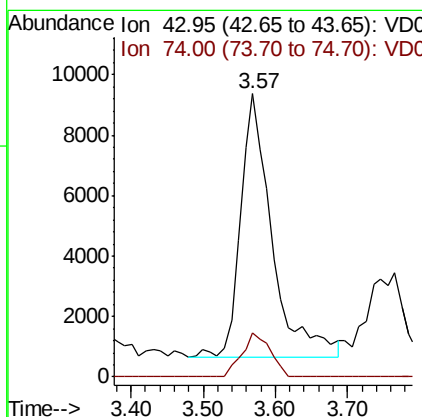
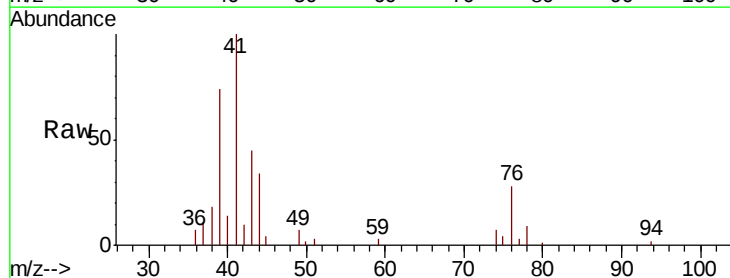
Instrument :
MSVOA_D
ClientSampleId :
BFB

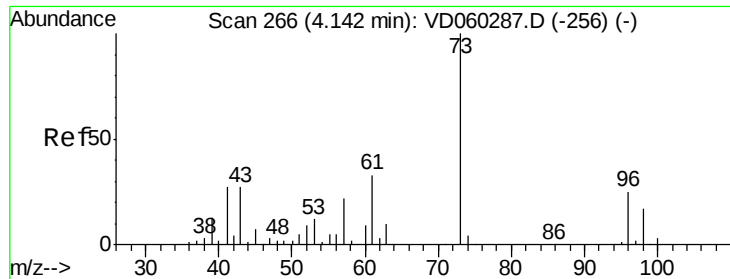
Tgt Ion: 76 Resp: 140079
Ion Ratio Lower Upper
76 100
78 9.0 7.0 10.4



#18
Methyl Acetate
Concen: 5.723 ug/l
RT: 3.57 min Scan# 208
Delta R.T. 0.01 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

Tgt Ion: 43 Resp: 26312
Ion Ratio Lower Upper
43 100
74 15.4 12.4 18.6

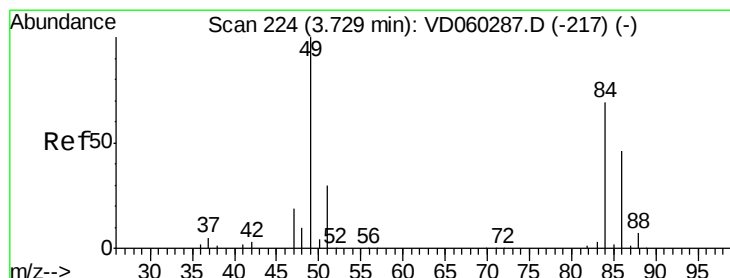
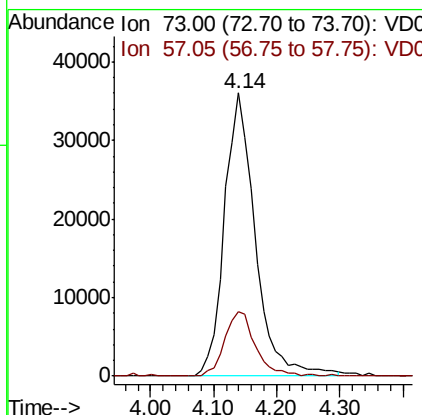
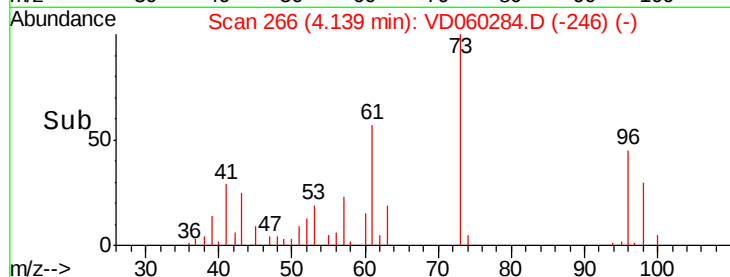
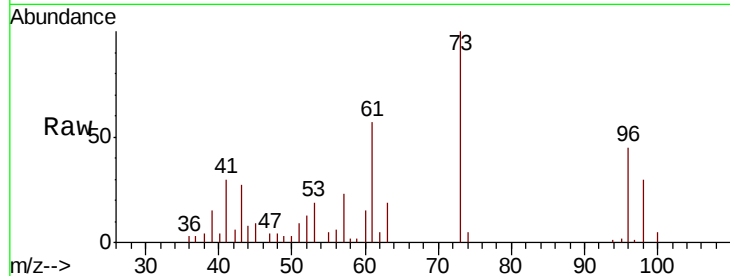




#19
Methyl tert-butyl Ether
Concen: 4.969 ug/l
RT: 4.14 min Scan# 266
Delta R.T. -0.00 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

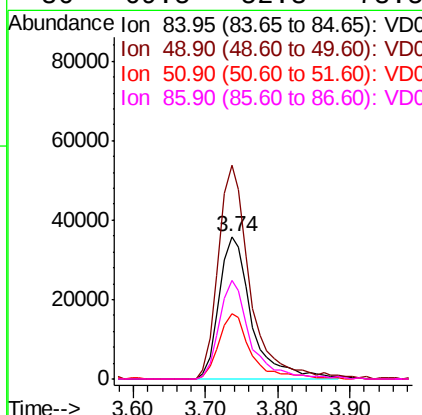
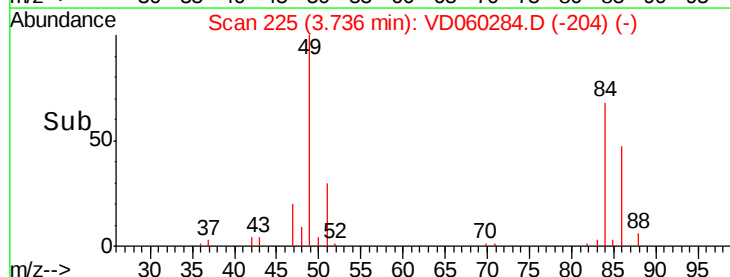
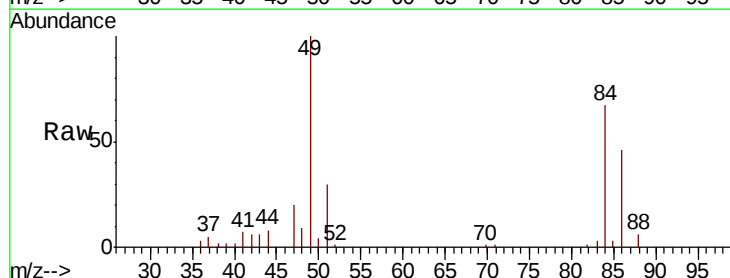
Instrument :
MSVOA_D
ClientSampleId :
BFB

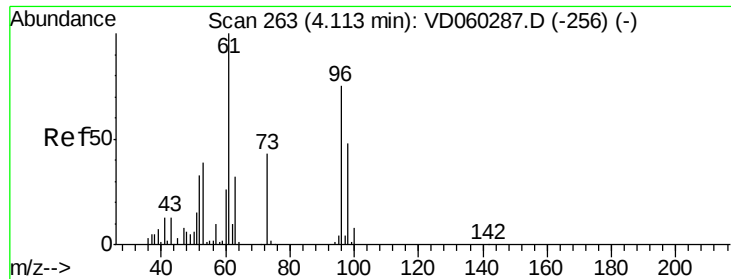
Tgt Ion: 73 Resp: 122015
Ion Ratio Lower Upper
73 100
57 22.6 18.1 27.1



#20
Methylene Chloride
Concen: 5.228 ug/l
RT: 3.74 min Scan# 225
Delta R.T. 0.01 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

Tgt Ion: 84 Resp: 111691
Ion Ratio Lower Upper
84 100
49 149.8 115.6 173.4
51 45.6 35.6 53.4
86 69.5 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 4.894 ug/l

RT: 4.12 min Scan# 264

Delta R.T. 0.01 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampled :

BFB

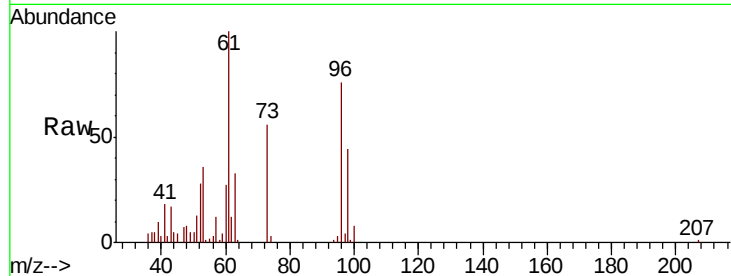
Tgt Ion: 96 Resp: 91011

Ion Ratio Lower Upper

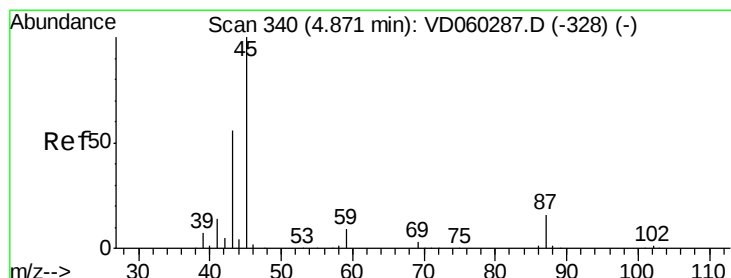
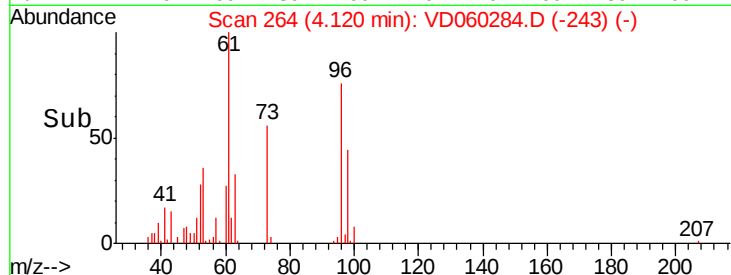
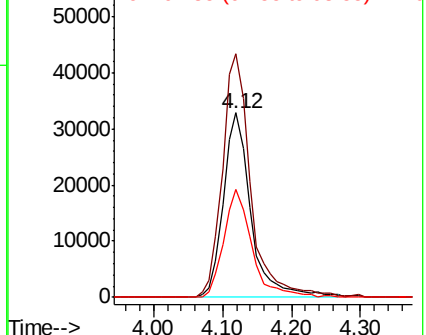
96 100

61 131.9 105.8 158.6

98 58.4 50.8 76.2



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: 4.946 ug/l

RT: 4.87 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Tgt Ion: 45 Resp: 298515

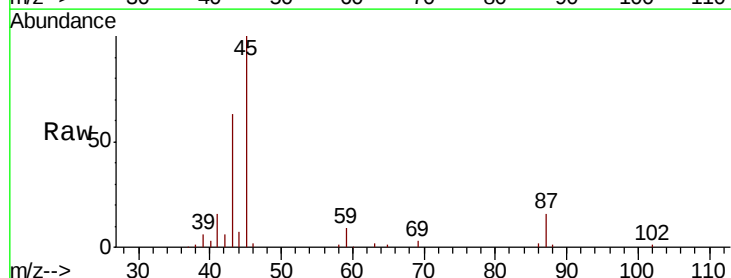
Ion Ratio Lower Upper

45 100

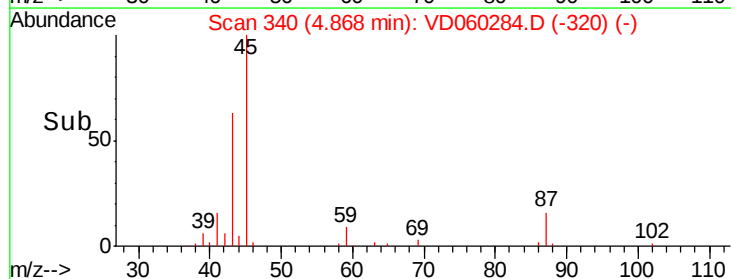
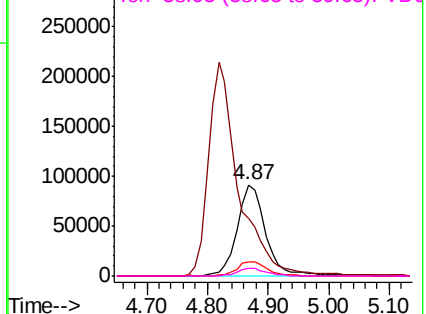
43 62.6 44.9 67.3

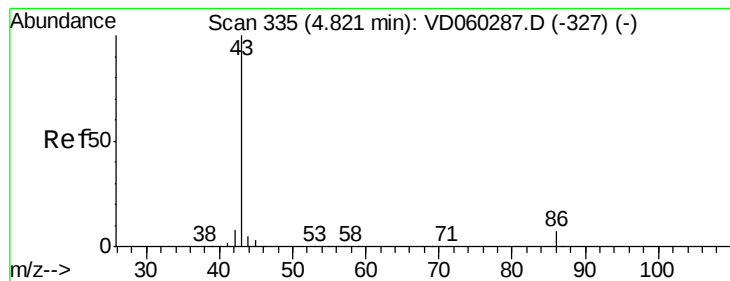
87 15.9 13.9 20.9

59 8.7 7.0 10.6



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: 24.388 ug/l

RT: 4.82 min Scan# 335

Delta R.T. -0.00 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

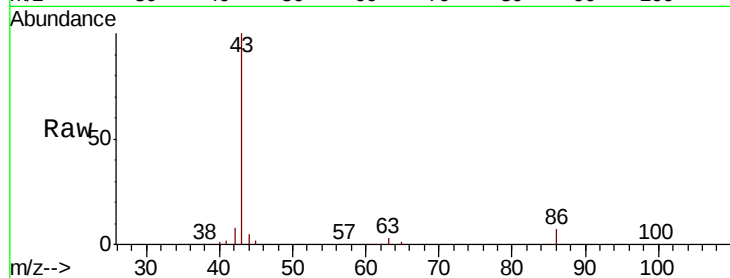
BFB

Tgt Ion: 43 Resp: 733194

Ion Ratio Lower Upper

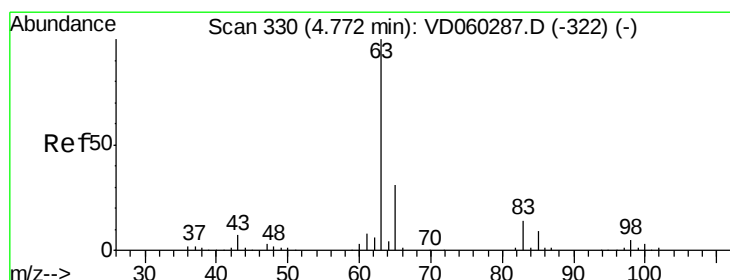
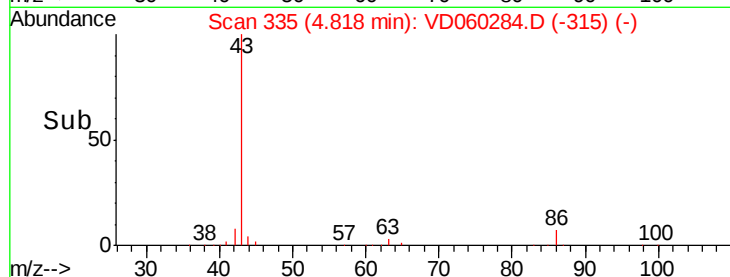
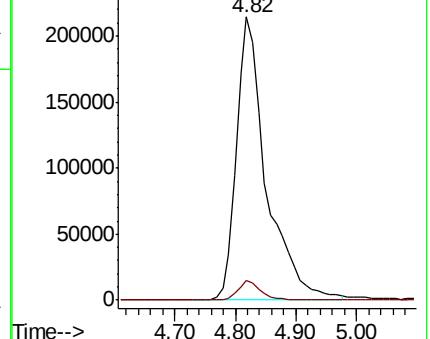
43 100

86 7.0 5.7 8.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 4.943 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.01 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

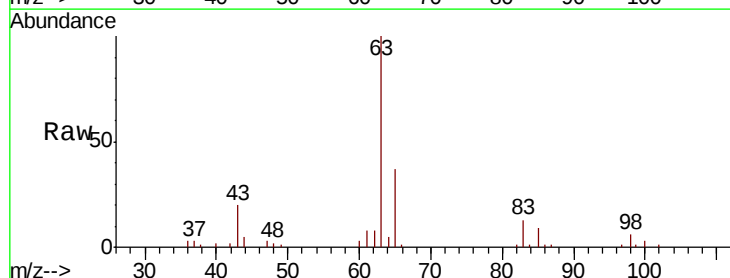
Tgt Ion: 63 Resp: 150605

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

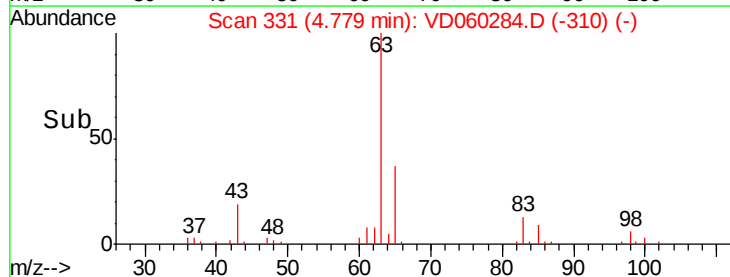
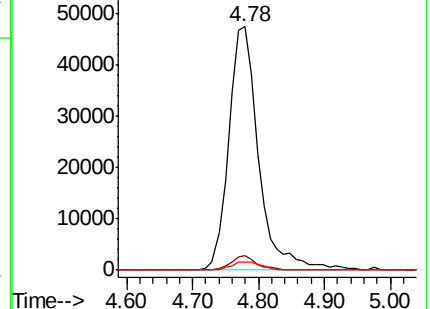
100 3.1 1.8 5.5



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 24.956 ug/l

RT: 5.64 min Scan# 418

Delta R.T. -0.00 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

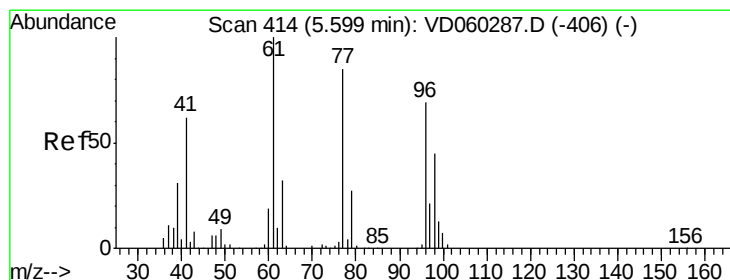
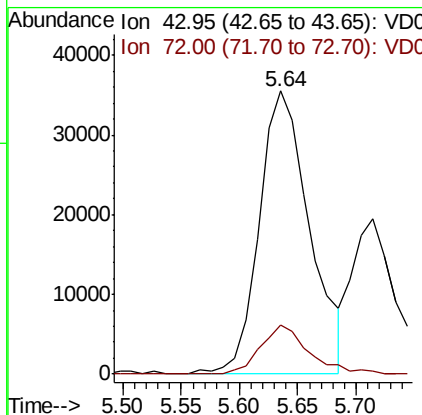
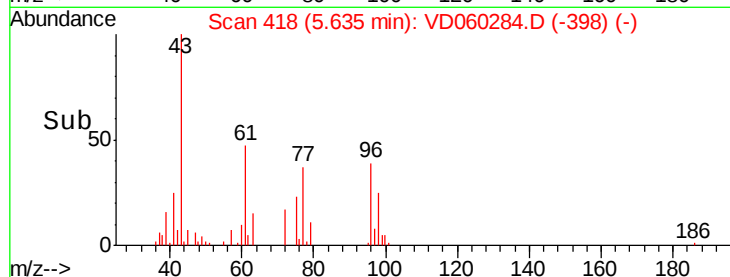
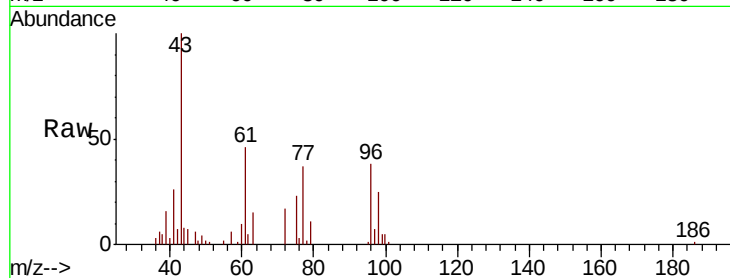
BFB

Tgt Ion: 43 Resp: 106522

Ion Ratio Lower Upper

43 100

72 17.1 13.8 20.8



#26

2,2-Dichloropropane

Concen: 5.081 ug/l

RT: 5.61 min Scan# 415

Delta R.T. 0.01 min

Lab File: VD060284.D

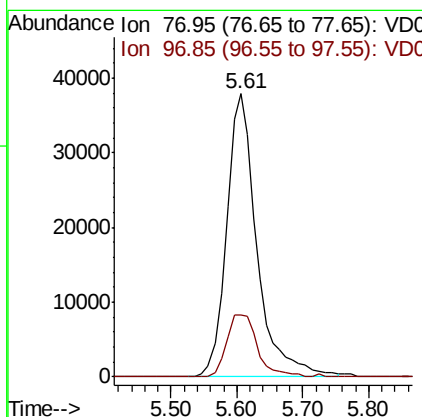
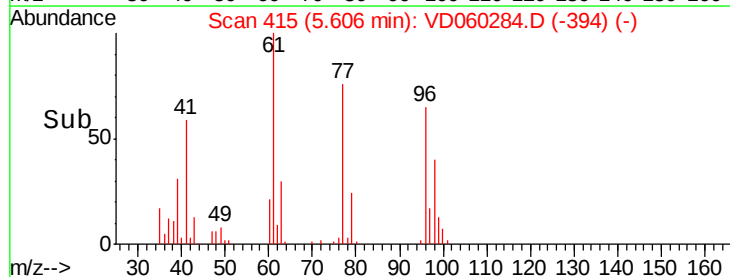
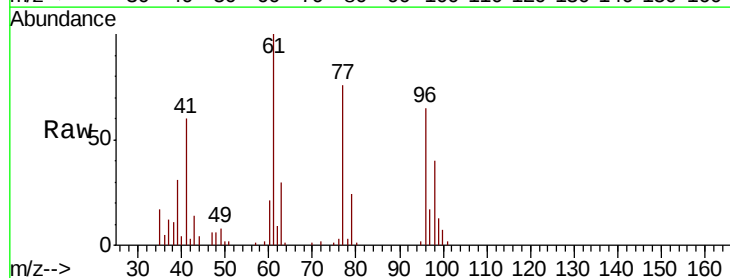
Acq: 6 Nov 2018 11:07

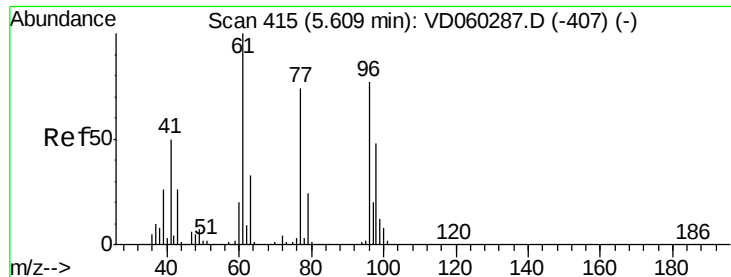
Tgt Ion: 77 Resp: 121528

Ion Ratio Lower Upper

77 100

97 22.0 12.6 37.8



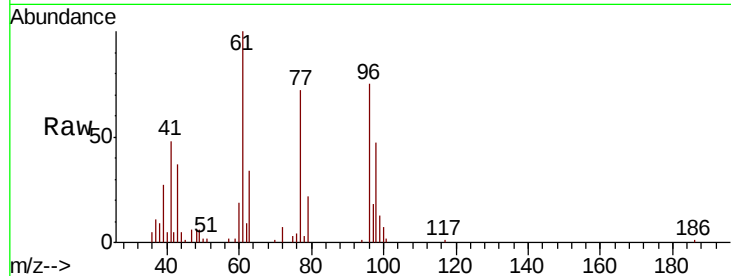


#27

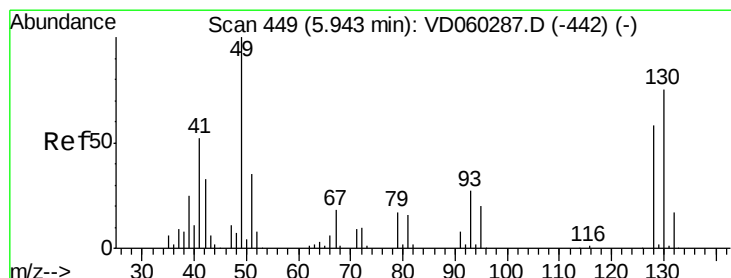
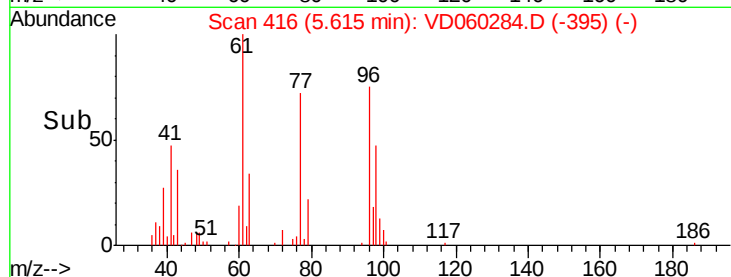
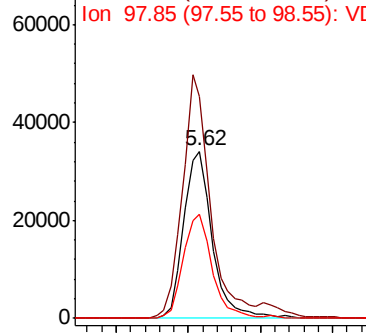
cis-1,2-Dichloroethene
Concen: 4.858 ug/l
RT: 5.62 min Scan# 416
Delta R.T. 0.01 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion: 96 Resp: 93875
Ion Ratio Lower Upper
96 100
61 132.9 0.0 259.0
98 62.0 0.0 128.8



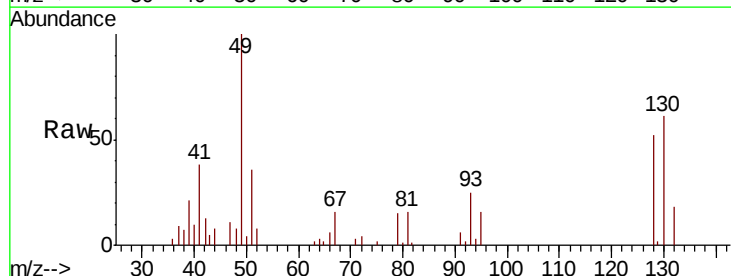
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



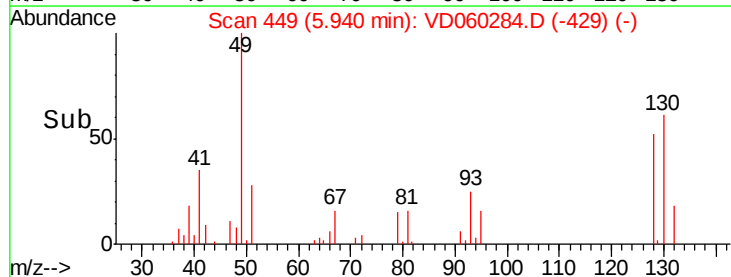
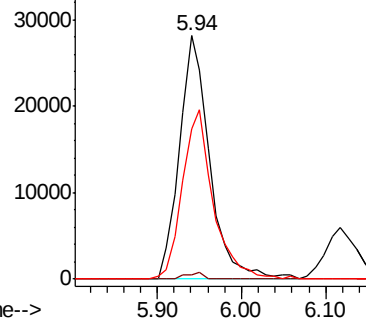
#28

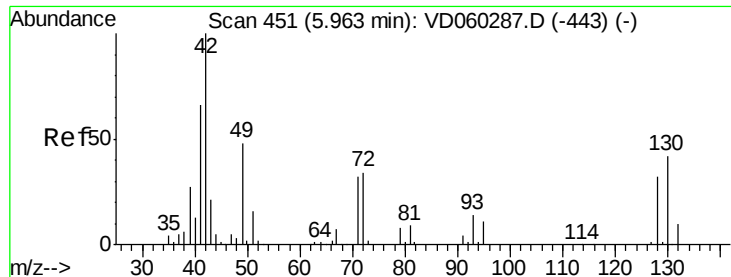
Bromochloromethane
Concen: 5.170 ug/l
RT: 5.94 min Scan# 449
Delta R.T. -0.00 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

Tgt Ion: 49 Resp: 70066
Ion Ratio Lower Upper
49 100
129 1.8 0.0 2.8
130 61.5 53.6 80.4



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

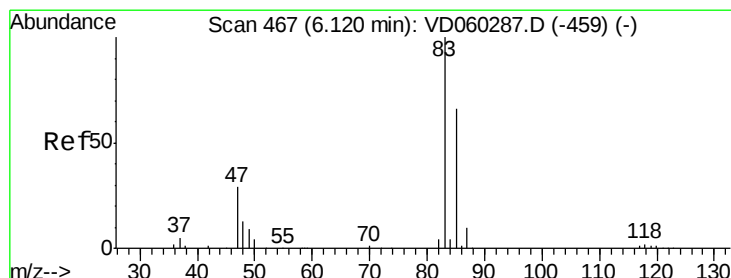
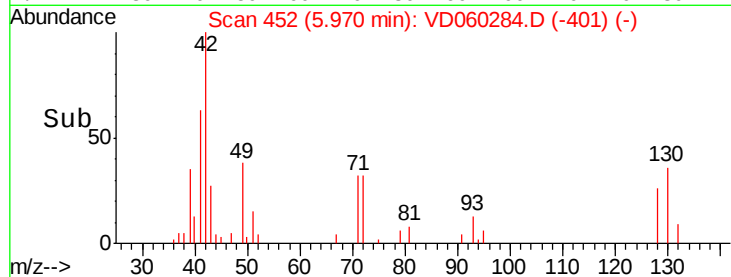
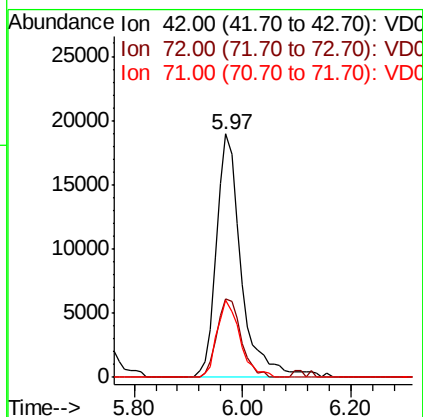
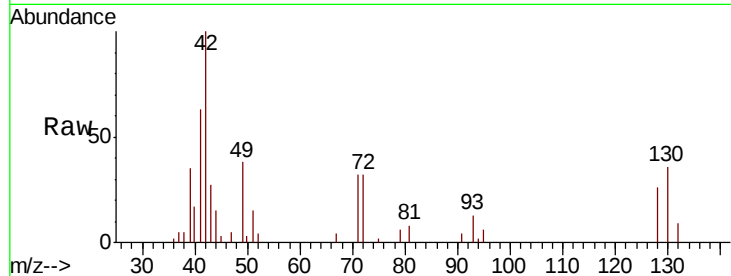




#29
Tetrahydrofuran
Concen: 26.870 ug/l
RT: 5.97 min Scan# 452
Delta R.T. 0.01 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

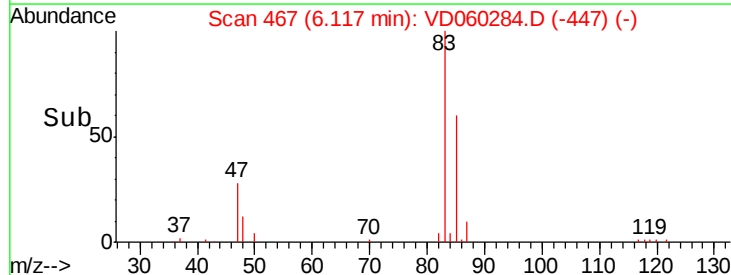
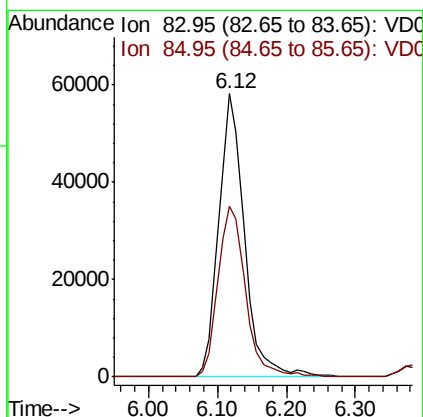
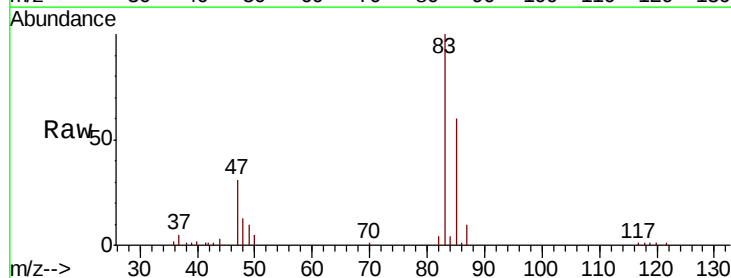
Instrument :
MSVOA_D
ClientSampleId :
BFB

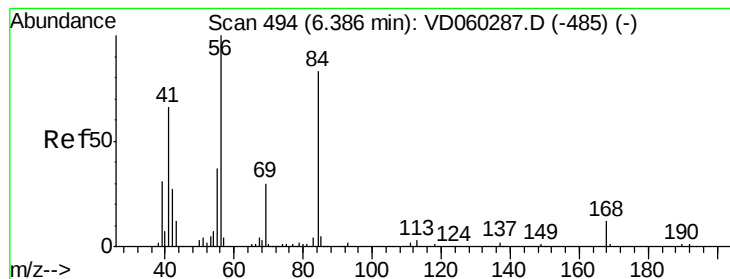
Tgt Ion: 42 Resp: 60295
Ion Ratio Lower Upper
42 100
72 30.9 27.6 41.4
71 29.3 26.5 39.7



#30
Chloroform
Concen: 4.907 ug/l
RT: 6.12 min Scan# 467
Delta R.T. -0.00 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

Tgt Ion: 83 Resp: 150886
Ion Ratio Lower Upper
83 100
85 60.1 52.5 78.7





#31

Cyclohexane

Concen: 5.823 ug/l

RT: 6.38 min Scan# 494

Delta R.T. -0.00 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

BFB

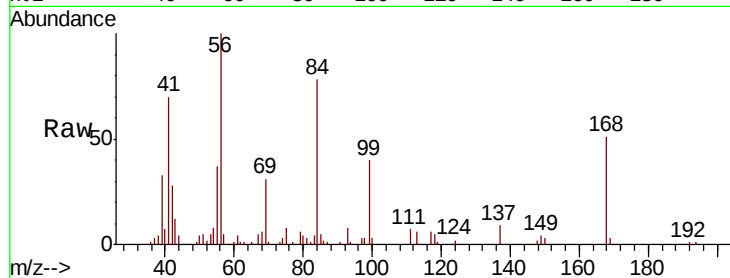
Tgt Ion: 56 Resp: 167372

Ion Ratio Lower Upper

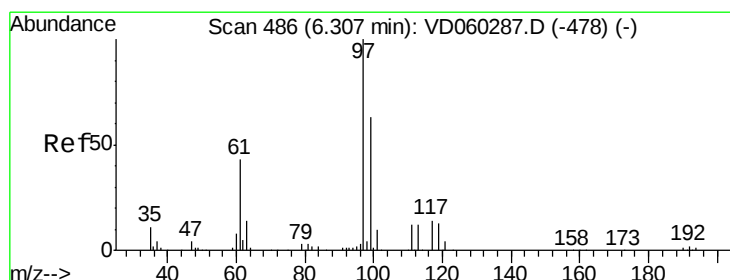
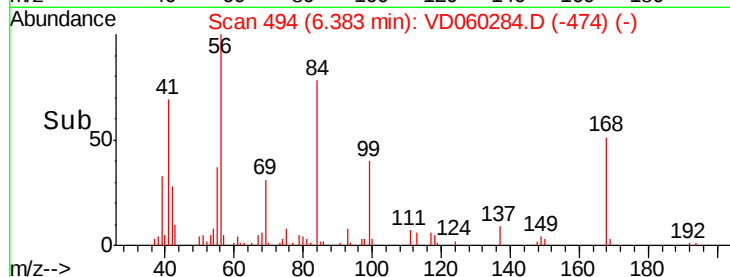
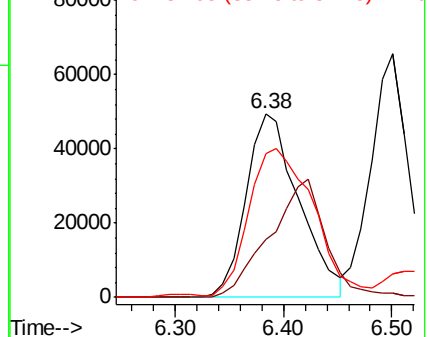
56 100

69 31.3 22.2 33.2

84 78.2 63.0 94.4



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: 5.000 ug/l

RT: 6.30 min Scan# 486

Delta R.T. -0.00 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

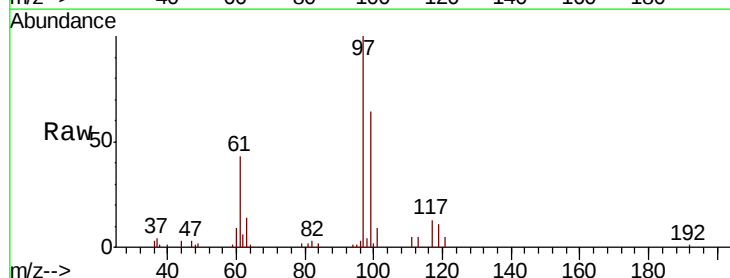
Tgt Ion: 97 Resp: 126767

Ion Ratio Lower Upper

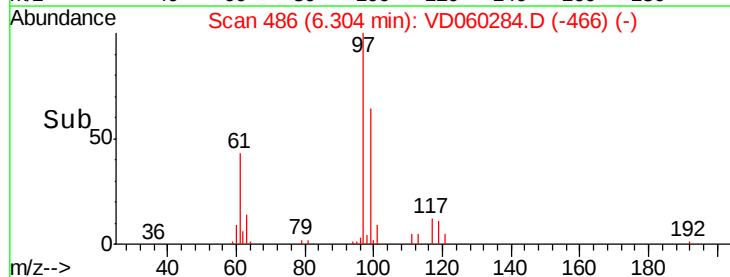
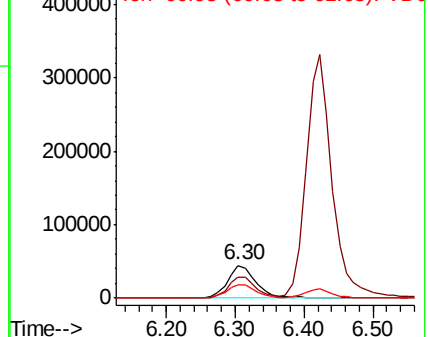
97 100

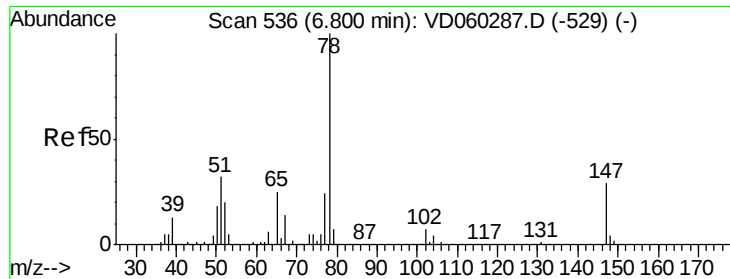
99 63.9 51.5 77.3

61 42.5 35.8 53.8



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





#33

1,2-Dichloroethane-d4

Concen: 5.000 ug/l

RT: 6.80 min Scan# 536

Delta R.T. -0.00 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampled :

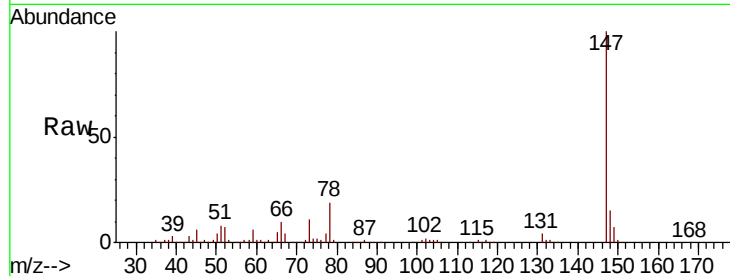
BFB

Tgt Ion: 65 Resp: 61658

Ion Ratio Lower Upper

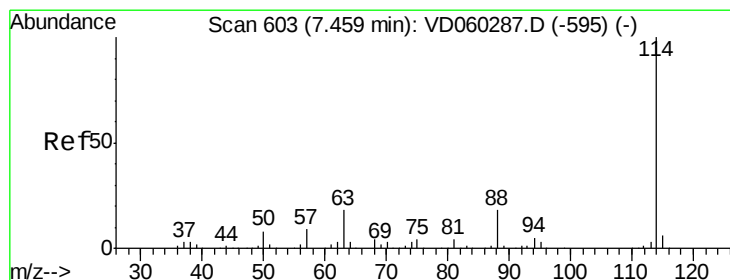
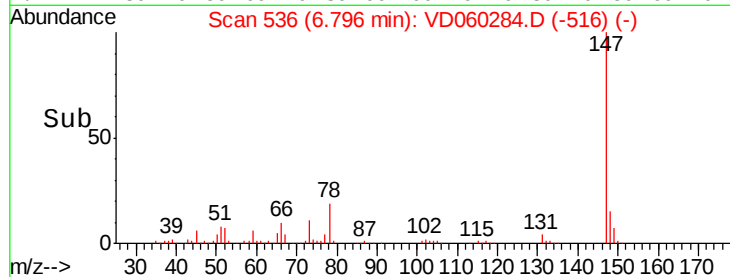
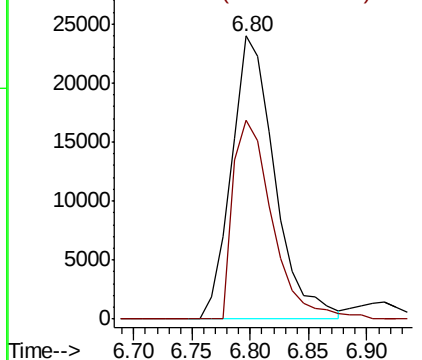
65 100

67 70.2 0.0 109.8



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.46 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

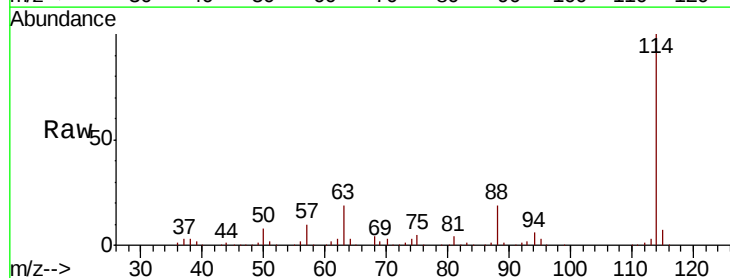
Tgt Ion: 114 Resp: 2413091

Ion Ratio Lower Upper

114 100

63 18.9 0.0 34.0

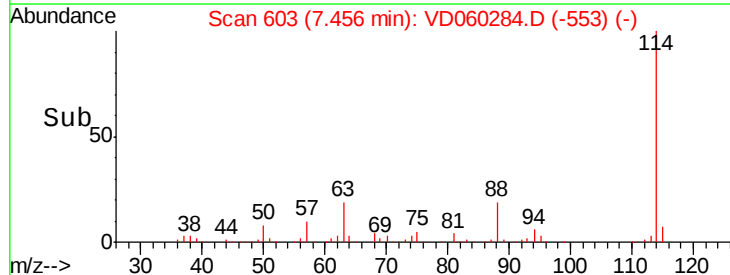
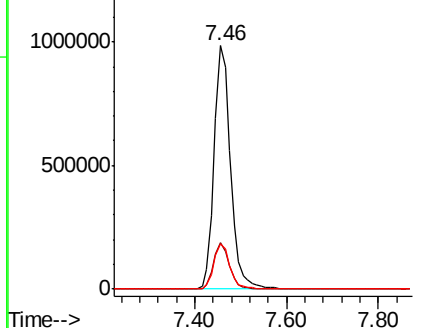
88 18.7 0.0 35.4

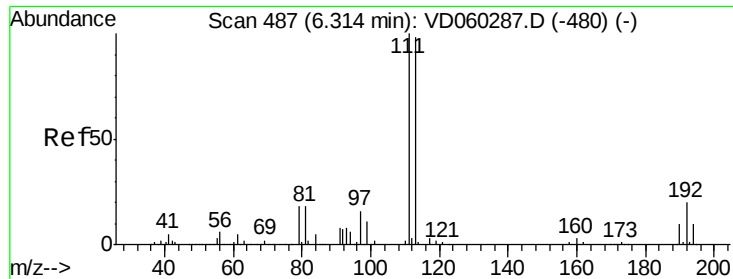


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

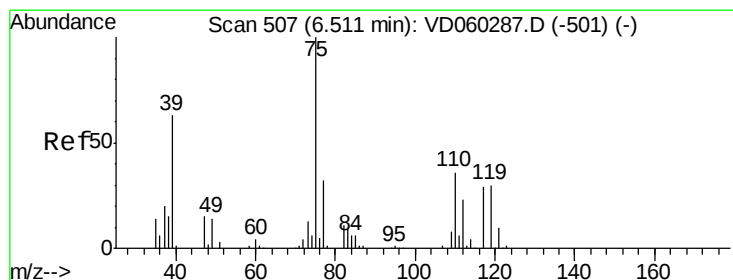
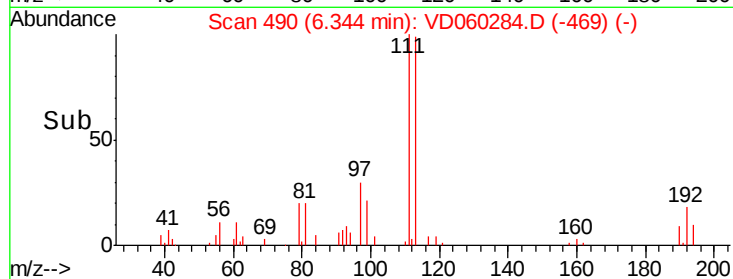
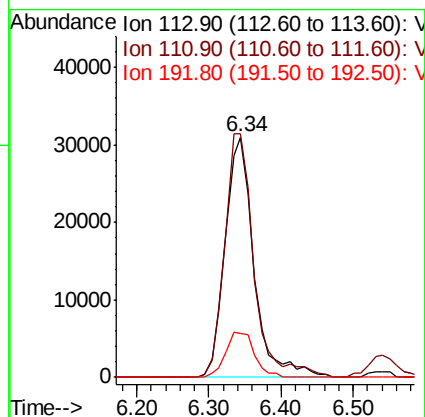
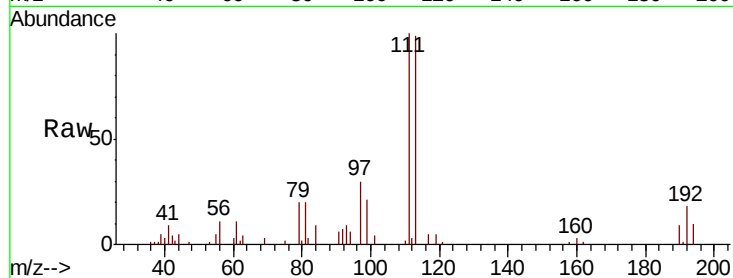




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.34 min Scan# 490
 Delta R.T. 0.01 min
 Lab File: VD060284.D
 Acq: 6 Nov 2018 11:07

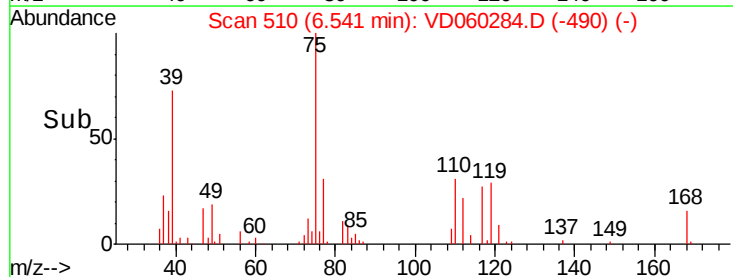
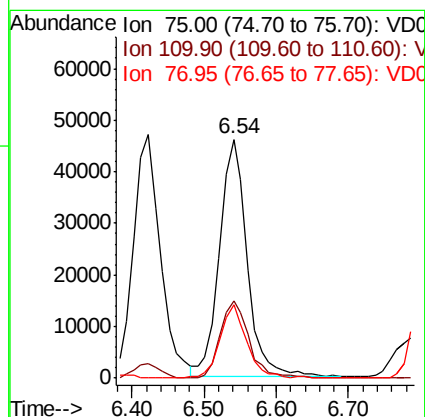
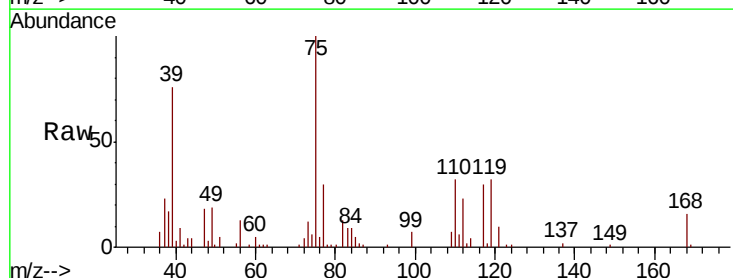
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

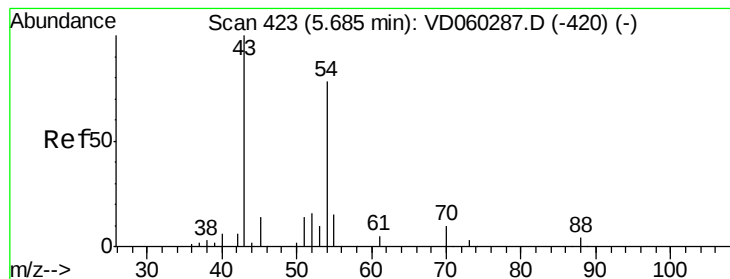
Tgt Ion:113 Resp: 85930
 Ion Ratio Lower Upper
 113 100
 111 101.4 81.6 122.4
 192 18.3 16.5 24.7



#36
 1,1-Dichloropropene
 Concen: 5.165 ug/l
 RT: 6.54 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: VD060284.D
 Acq: 6 Nov 2018 11:07

Tgt Ion: 75 Resp: 120486
 Ion Ratio Lower Upper
 75 100
 110 32.2 18.0 54.0
 77 30.5 25.6 38.4





#37

Ethyl Acetate

Concen: 5.066 ug/l

RT: 5.71 min Scan# 426

Delta R.T. 0.01 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampled :

BFB

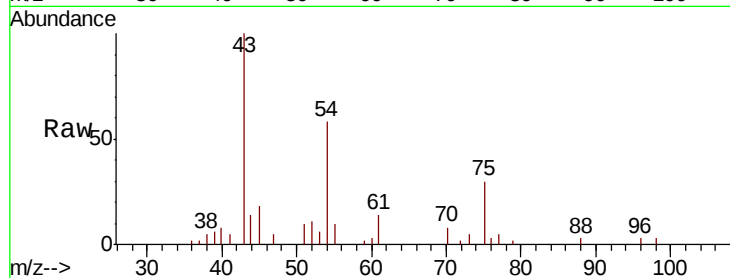
Tgt Ion: 43 Resp: 52741

Ion Ratio Lower Upper

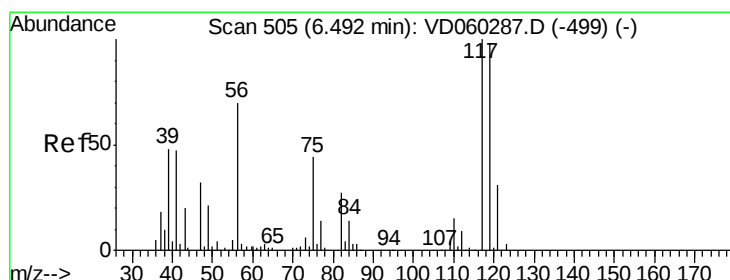
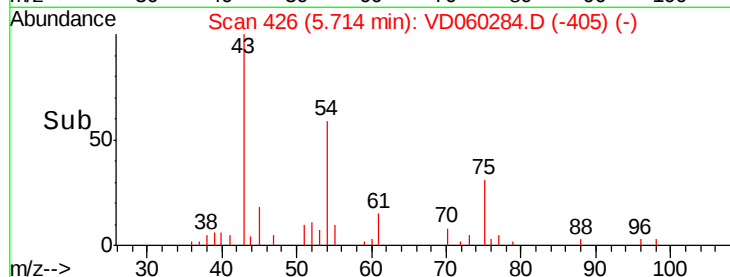
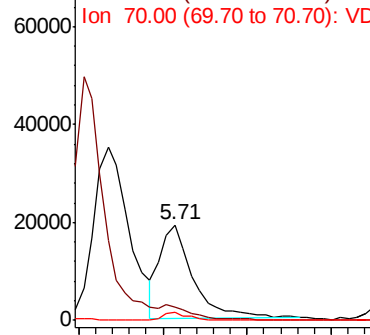
43 100

61 14.3 11.8 17.6

70 7.8 6.2 9.4



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



#38

Carbon Tetrachloride

Concen: 5.309 ug/l

RT: 6.51 min Scan# 507

Delta R.T. -0.00 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

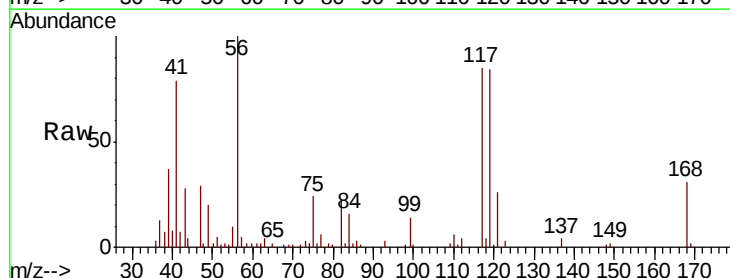
Tgt Ion: 117 Resp: 112869

Ion Ratio Lower Upper

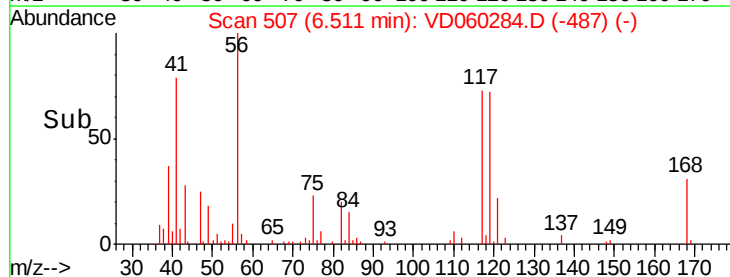
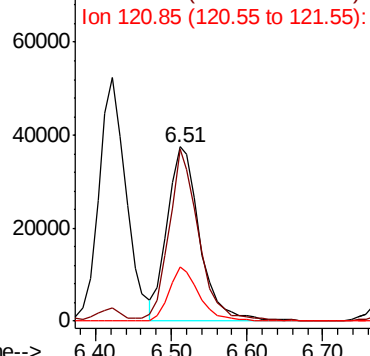
117 100

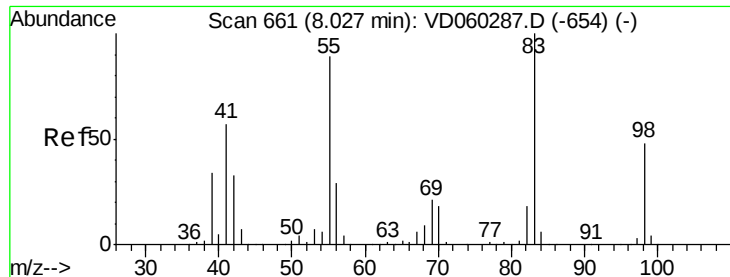
119 99.1 76.6 115.0

121 31.0 24.3 36.5



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

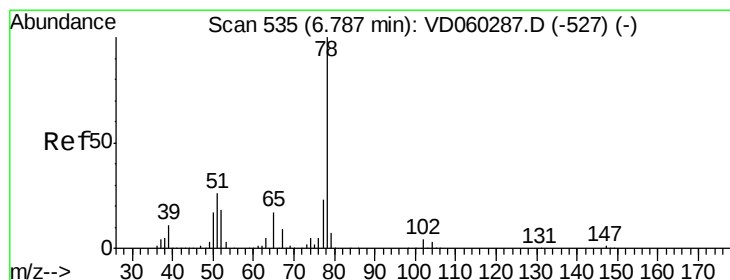
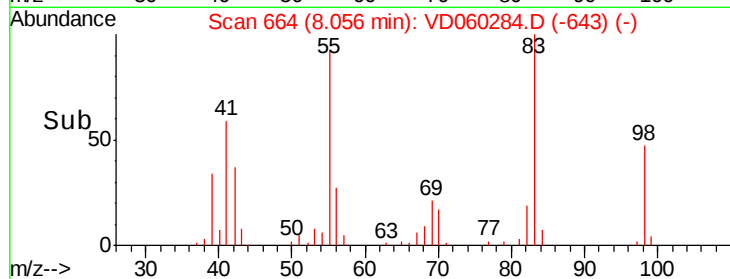
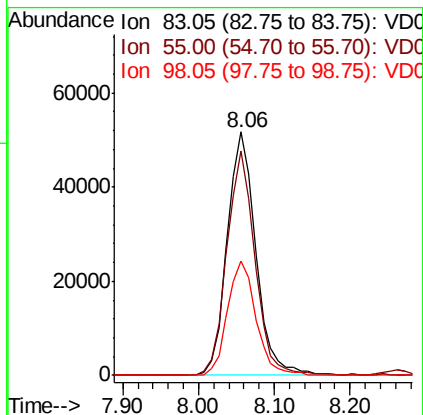
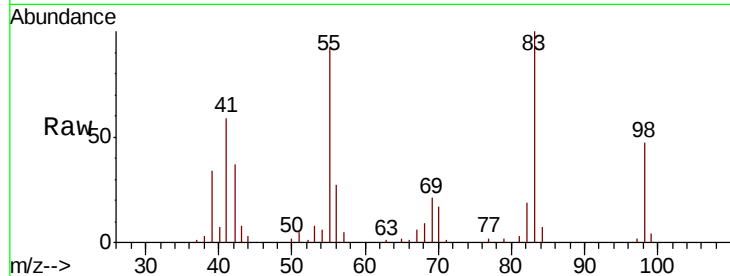




#39
Methylcyclohexane
Concen: 5.138 ug/l
RT: 8.06 min Scan# 664
Delta R.T. 0.01 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

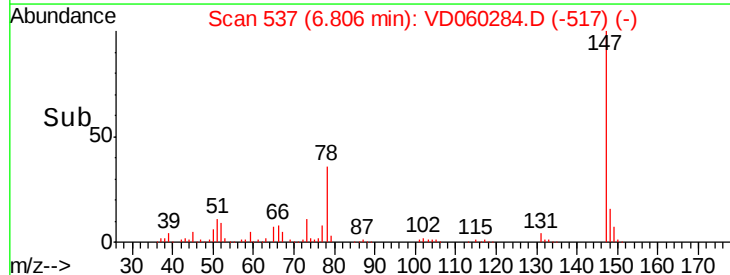
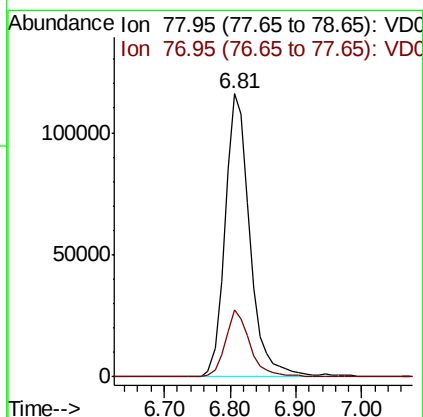
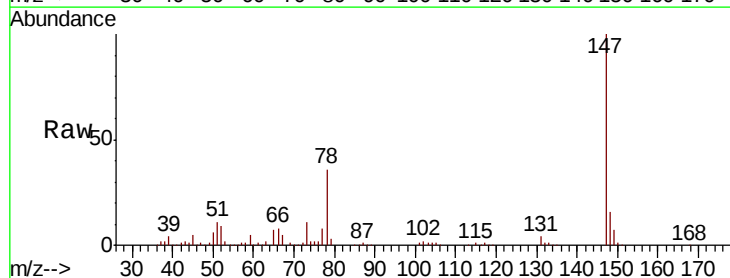
Instrument :
MSVOA_D
ClientSampleId :
BFB

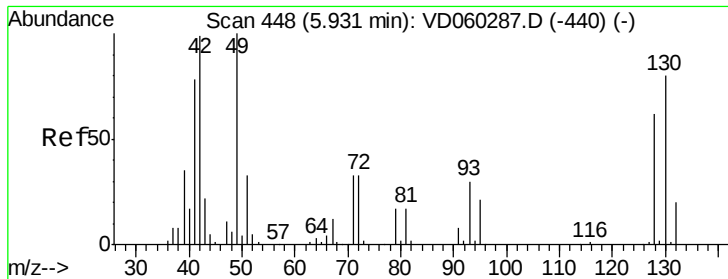
Tgt Ion: 83 Resp: 134775
Ion Ratio Lower Upper
83 100
55 91.9 71.2 106.8
98 47.2 38.4 57.6



#40
Benzene
Concen: 5.089 ug/l
RT: 6.81 min Scan# 537
Delta R.T. -0.00 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

Tgt Ion: 78 Resp: 306347
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2





#41

Methacrylonitrile

Concen: 8.928 ug/l

RT: 5.97 min Scan# 452

Delta R.T. 0.01 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

BFB

Tgt Ion: 41 Resp: 61416

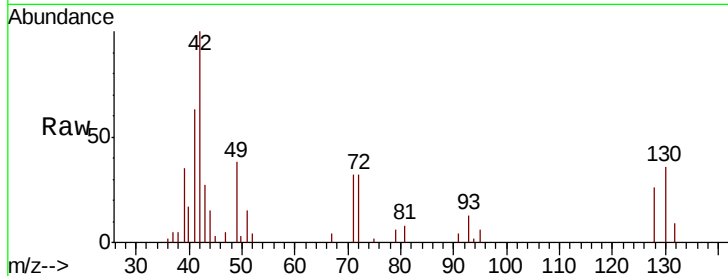
Ion Ratio Lower Upper

41 100

39 55.4 36.2 54.2#

67 7.0 11.9 17.9#

52 5.6 5.2 7.8

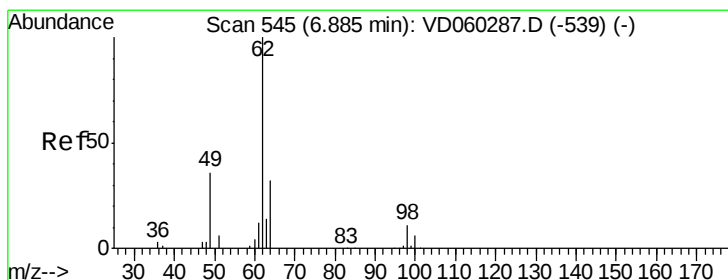
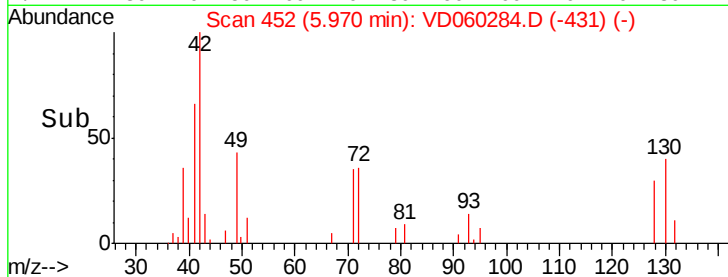
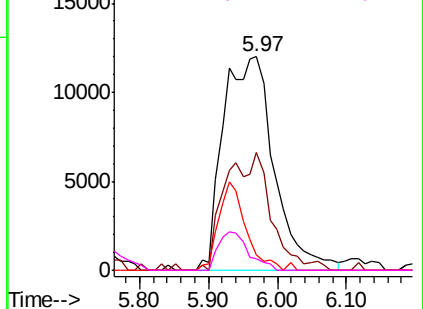


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 4.967 ug/l

RT: 6.91 min Scan# 548

Delta R.T. 0.01 min

Lab File: VD060284.D

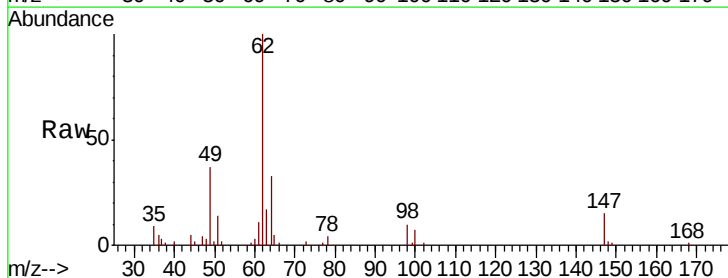
Acq: 6 Nov 2018 11:07

Tgt Ion: 62 Resp: 77497

Ion Ratio Lower Upper

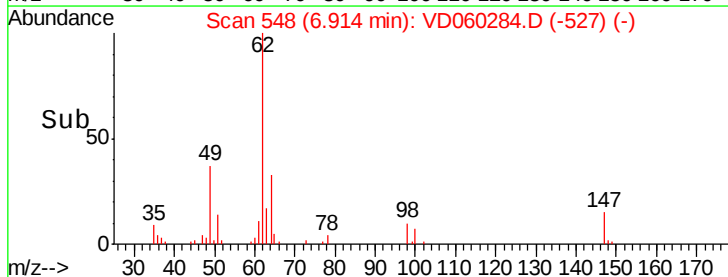
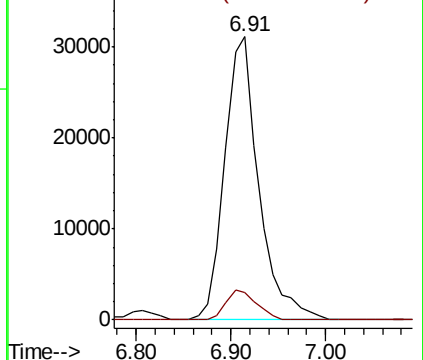
62 100

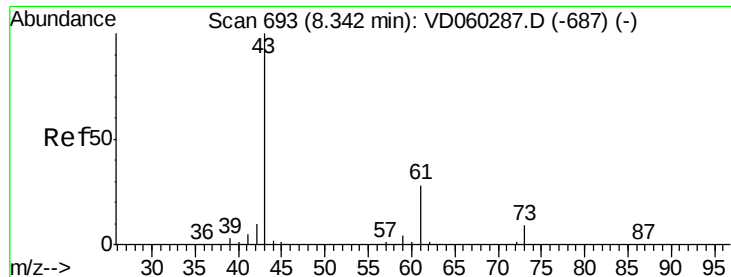
98 9.7 0.0 22.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 4.863 ug/l

RT: 8.36 min Scan# 695

Delta R.T. -0.00 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

BFB

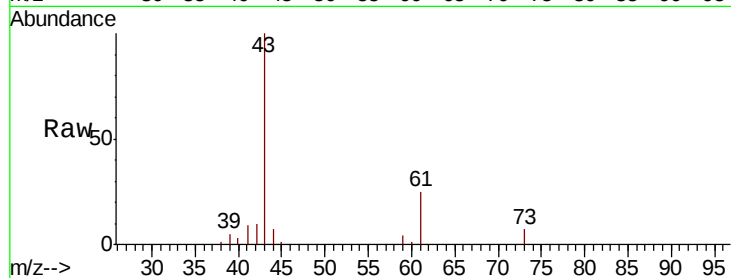
Tgt Ion: 43 Resp: 65360

Ion Ratio Lower Upper

43 100

61 25.5 22.3 33.5

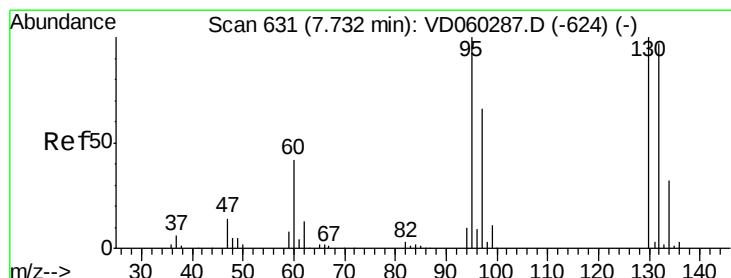
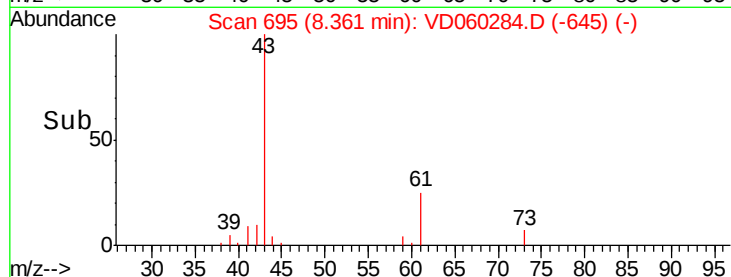
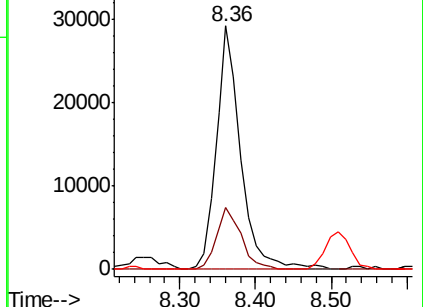
87 0.0 0.2 0.2#



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: 4.778 ug/l

RT: 7.75 min Scan# 633

Delta R.T. -0.00 min

Lab File: VD060284.D

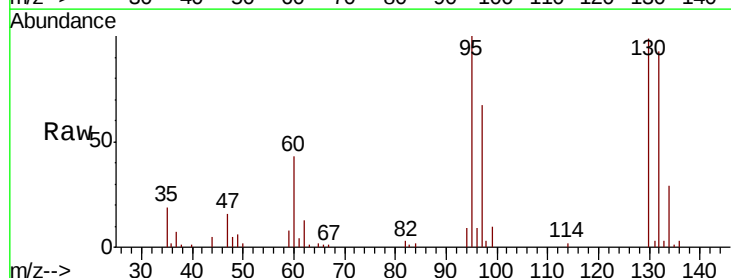
Acq: 6 Nov 2018 11:07

Tgt Ion:130 Resp: 87889

Ion Ratio Lower Upper

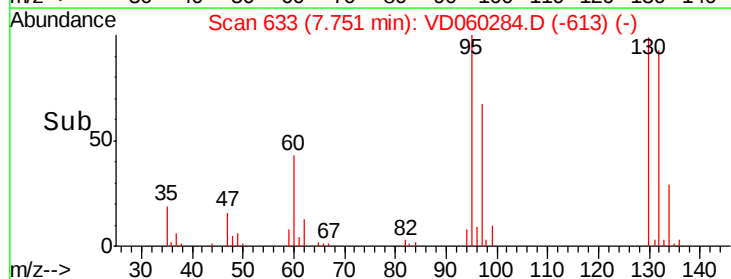
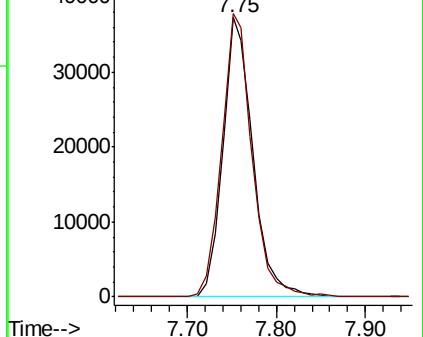
130 100

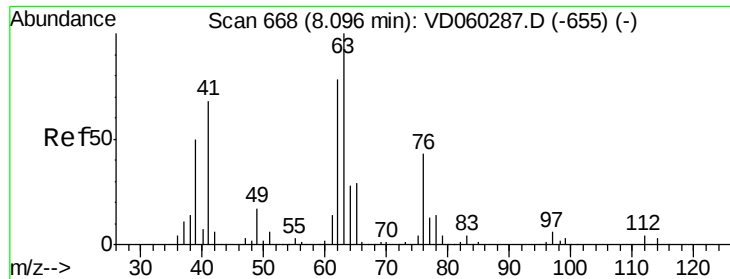
95 101.5 0.0 200.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 4.904 ug/l

RT: 8.12 min Scan# 670

Delta R.T. -0.00 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

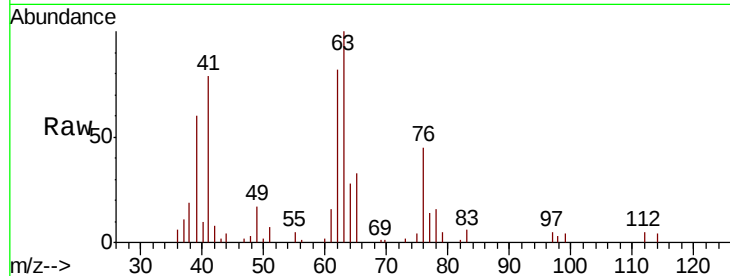
BFB

Tgt Ion: 63 Resp: 73627

Ion Ratio Lower Upper

63 100

65 33.3 23.4 35.2



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.12

30000

25000

20000

15000

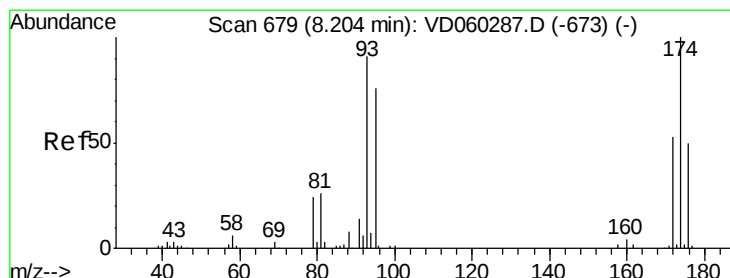
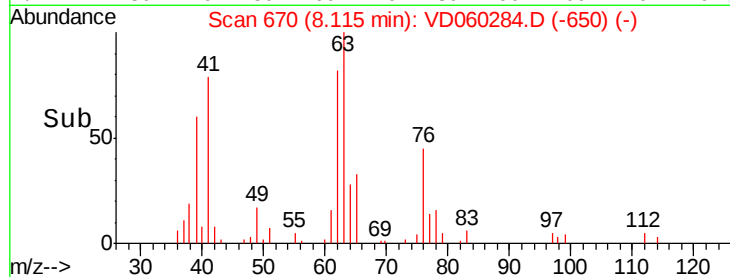
10000

5000

0

8.00 8.10 8.20

Time-->



#46

Dibromomethane

Concen: 4.947 ug/l

RT: 8.23 min Scan# 682

Delta R.T. 0.01 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

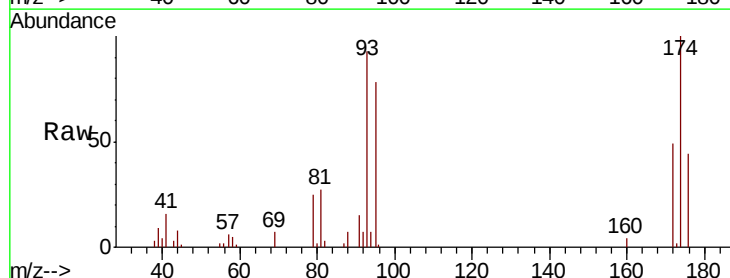
Tgt Ion: 93 Resp: 42590

Ion Ratio Lower Upper

93 100

95 84.6 66.4 99.6

174 107.8 87.8 131.8



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

25000

20000

15000

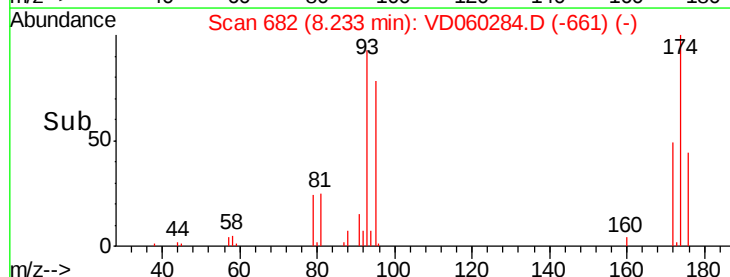
10000

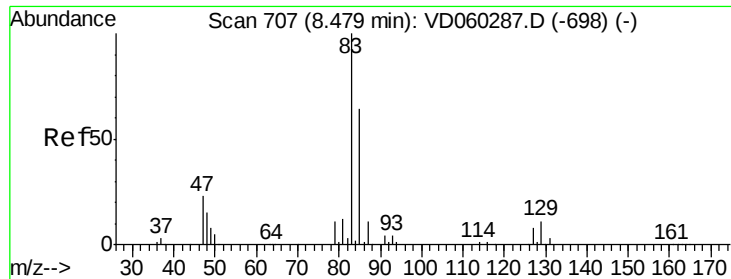
5000

0

8.20 8.30

Time-->





#47

Bromodichloromethane

Concen: 4.674 ug/l

RT: 8.51 min Scan# 710

Delta R.T. 0.01 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampled :

BFB

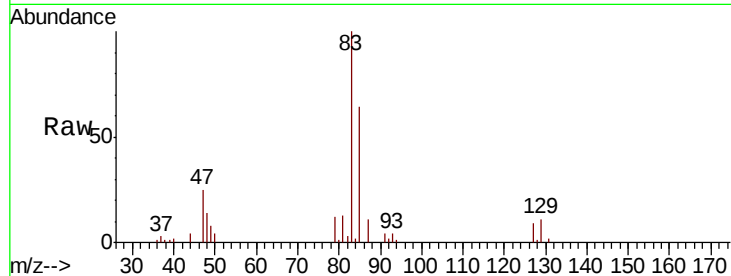
Tgt Ion: 83 Resp: 96848

Ion Ratio Lower Upper

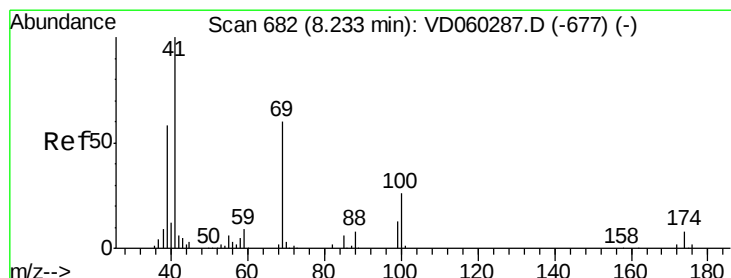
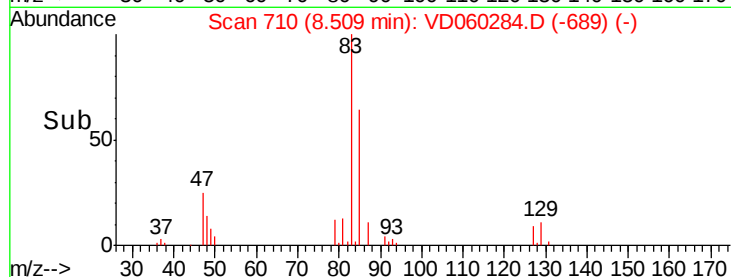
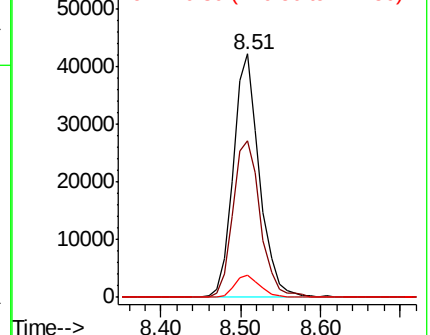
83 100

85 64.1 51.0 76.6

127 8.8 6.2 9.4



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: 4.839 ug/l

RT: 8.26 min Scan# 685

Delta R.T. 0.01 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

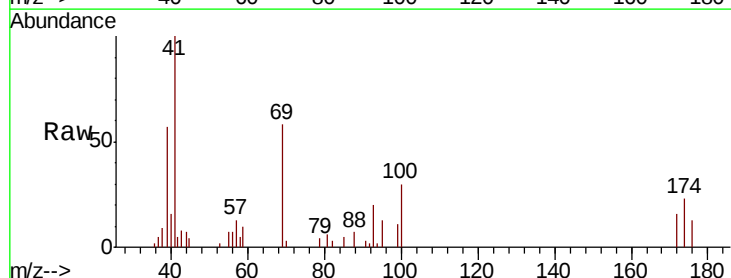
Tgt Ion: 41 Resp: 38968

Ion Ratio Lower Upper

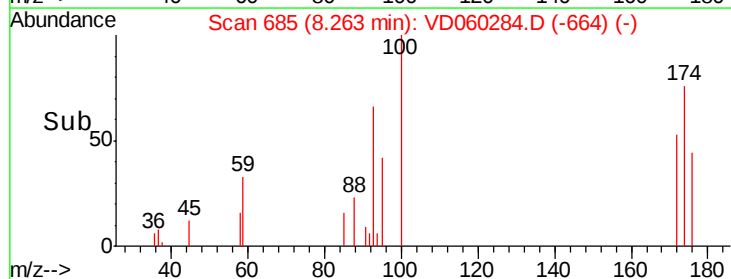
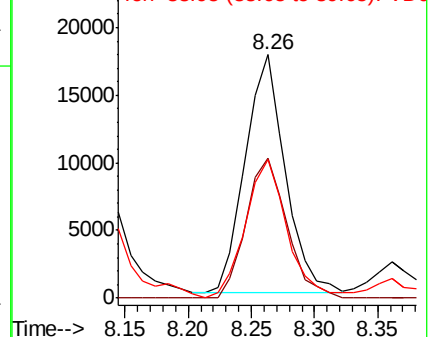
41 100

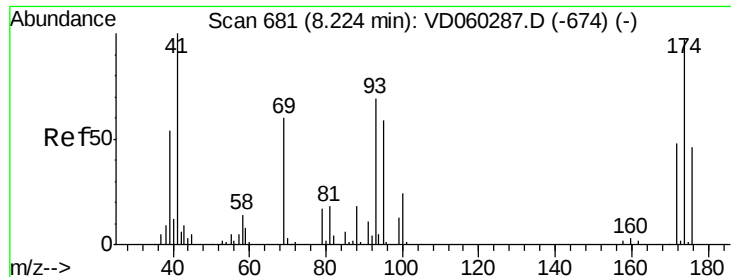
69 57.5 47.0 70.4

39 57.1 46.2 69.4



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

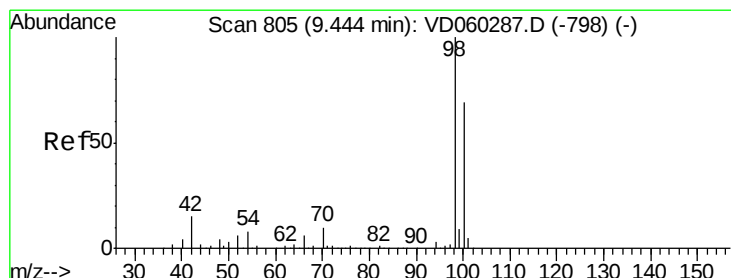
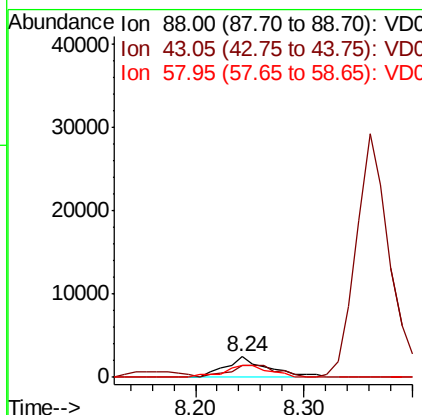
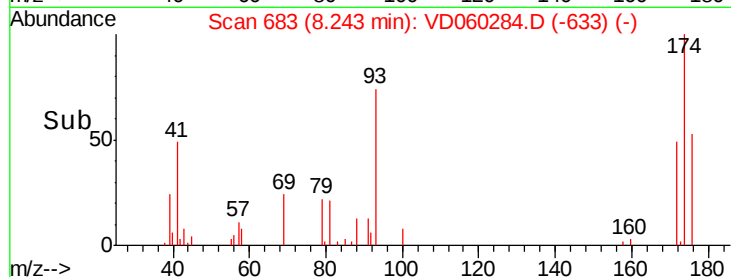
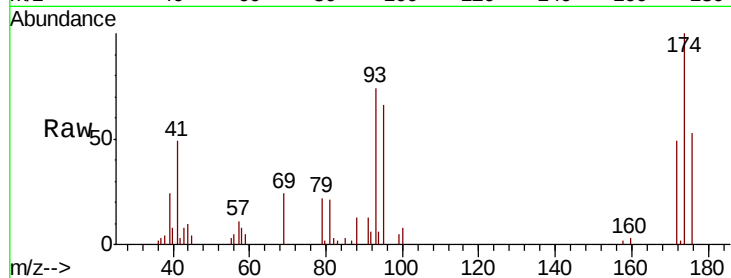




#49
1,4-Dioxane
Concen: 92.054 ug/l
RT: 8.24 min Scan# 683
Delta R.T. -0.00 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

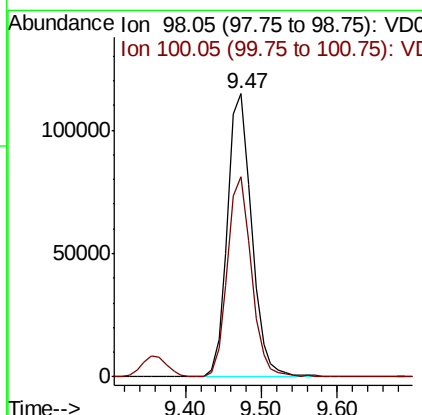
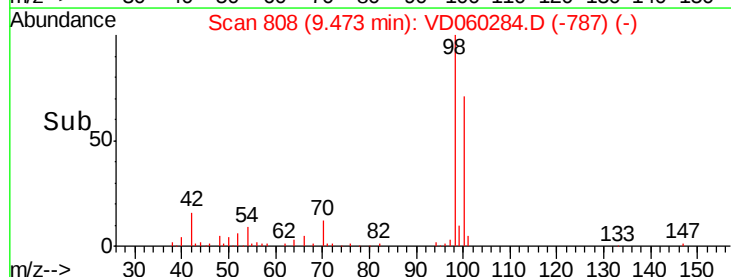
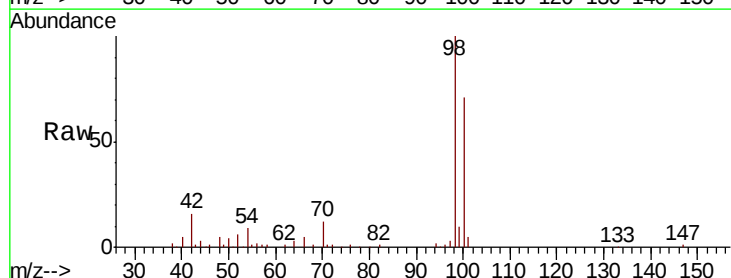
Instrument :
MSVOA_D
ClientSampleId :
BFB

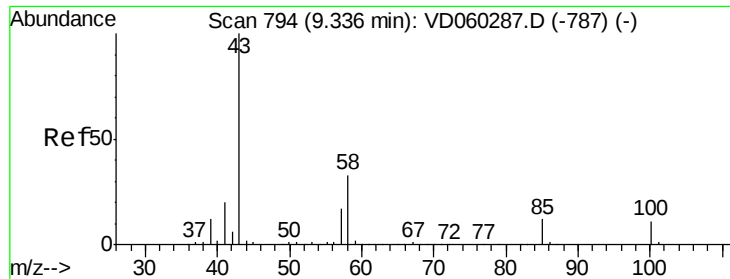
Tgt Ion: 88 Resp: 6636
Ion Ratio Lower Upper
88 100
43 58.5 39.7 59.5
58 61.2 60.2 90.2



#50
Toluene-d8
Concen: 92.054 ug/l
RT: 9.47 min Scan# 808
Delta R.T. 0.01 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

Tgt Ion: 98 Resp: 253705
Ion Ratio Lower Upper
98 100
100 70.8 55.2 82.8





#51

4-Methyl-2-Pentanone

Concen: 26.800 ug/l

RT: 9.36 min Scan# 796

Delta R.T. -0.00 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

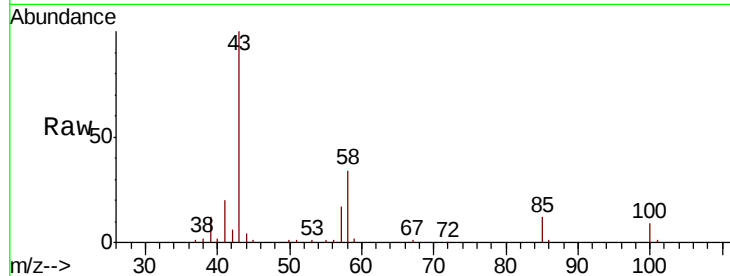
BFB

Tgt Ion: 43 Resp: 227323

Ion Ratio Lower Upper

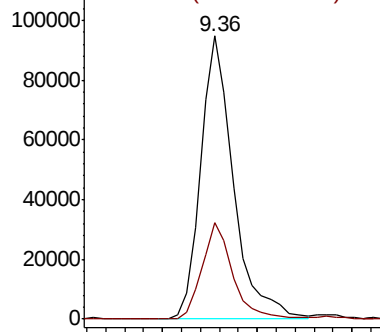
43 100

58 34.3 26.1 39.1

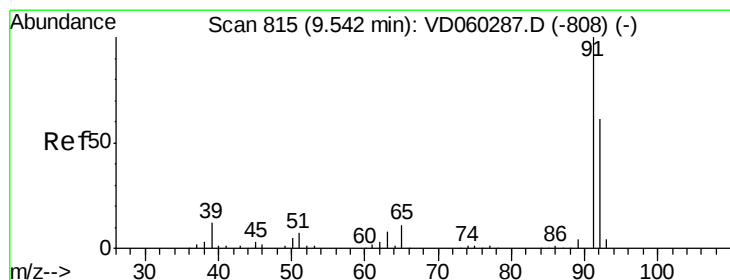
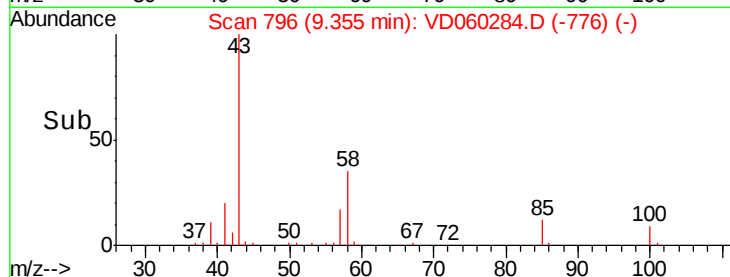


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



Time-->



#52

Toluene

Concen: 5.021 ug/l

RT: 9.56 min Scan# 817

Delta R.T. -0.00 min

Lab File: VD060284.D

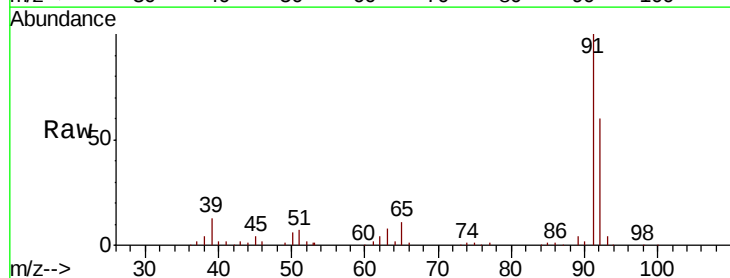
Acq: 6 Nov 2018 11:07

Tgt Ion: 92 Resp: 191233

Ion Ratio Lower Upper

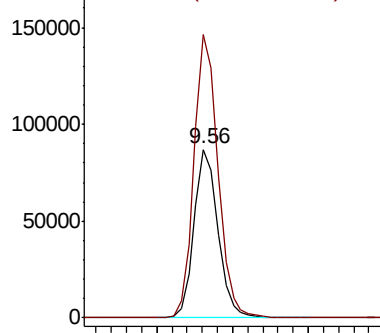
92 100

91 168.0 131.9 197.9

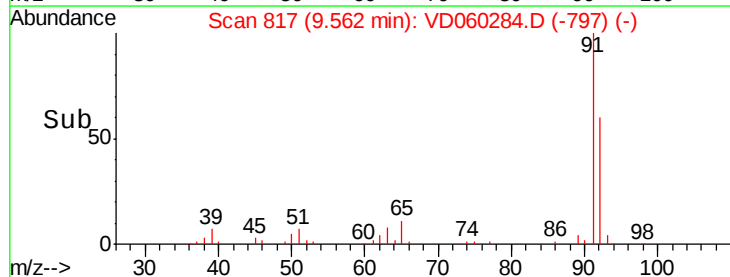


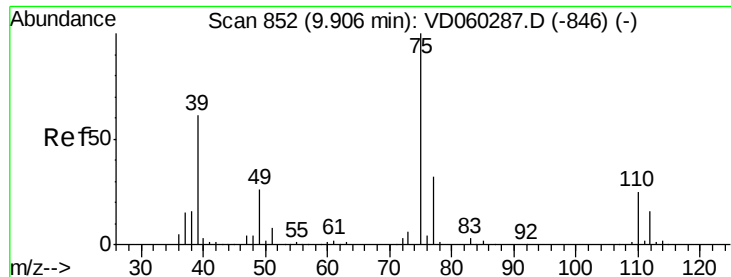
Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->





#53

t-1,3-Dichloropropene

Concen: 4.822 ug/l

RT: 9.94 min Scan# 855

Delta R.T. 0.01 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

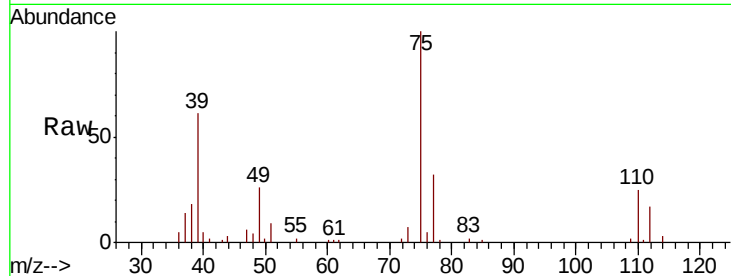
BFB

Tgt Ion: 75 Resp: 82896

Ion Ratio Lower Upper

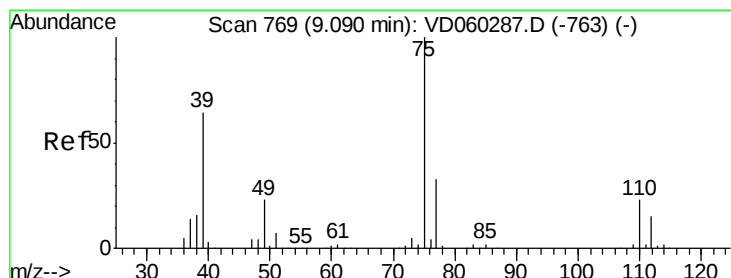
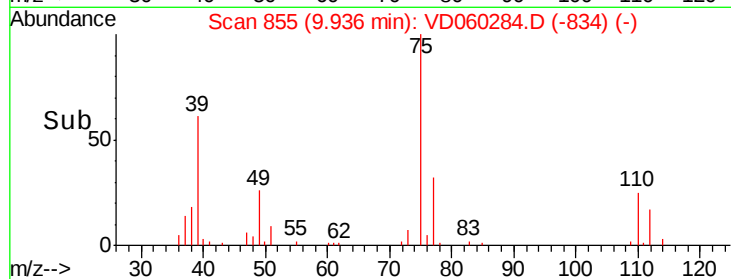
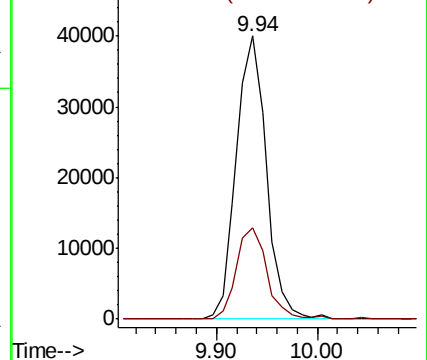
75 100

77 32.3 25.2 37.8



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 4.709 ug/l

RT: 9.12 min Scan# 772

Delta R.T. 0.01 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

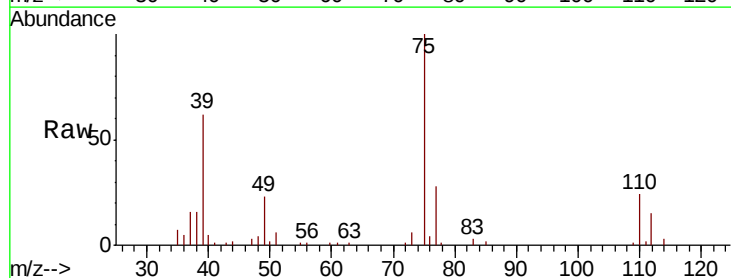
Tgt Ion: 75 Resp: 105635

Ion Ratio Lower Upper

75 100

77 28.5 26.3 39.5

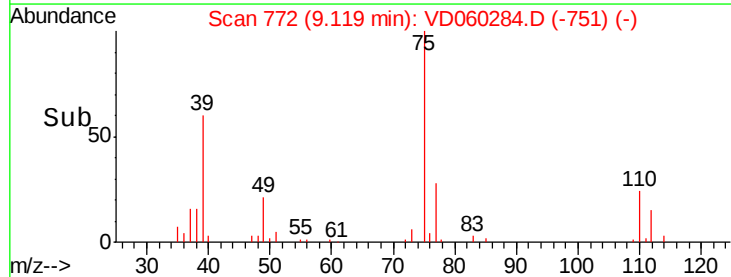
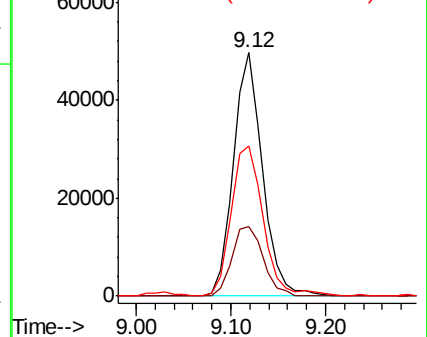
39 61.6 50.8 76.2

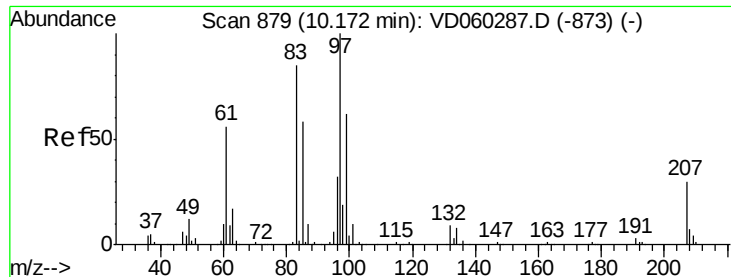


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

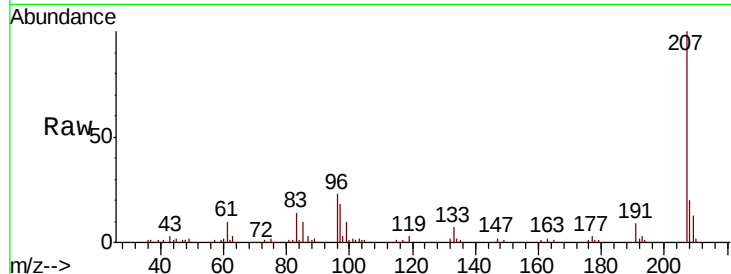




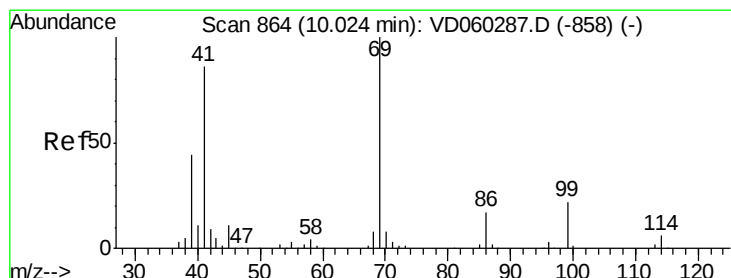
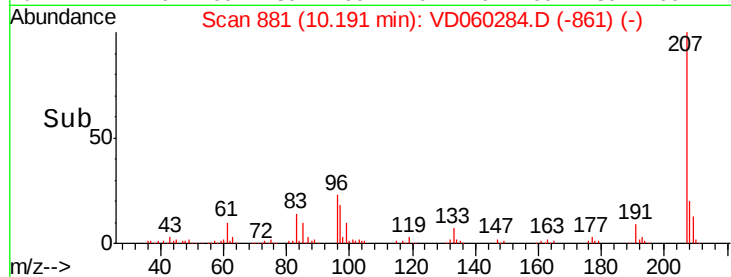
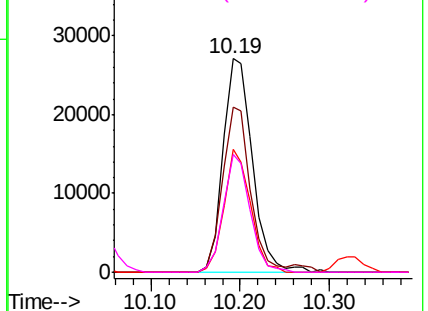
#55
 1,1,2-Trichloroethane
 Concen: 5.920 ug/l
 RT: 10.19 min Scan# 881
 Delta R.T. -0.00 min
 Lab File: VD060284.D
 Acq: 6 Nov 2018 11:07

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Tgt Ion:	97	Resp:	63083
Ion	Ratio	Lower	Upper
97	100		
83	77.4	68.4	102.6
85	57.7	46.8	70.2
99	55.4	49.5	74.3

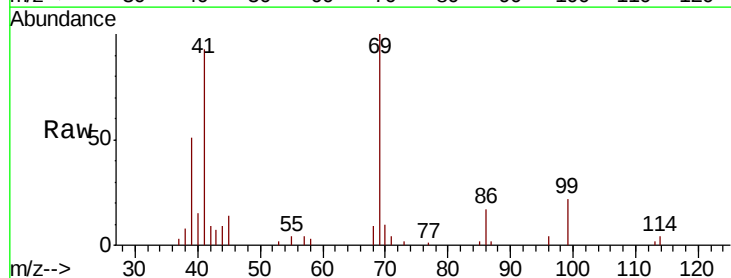


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

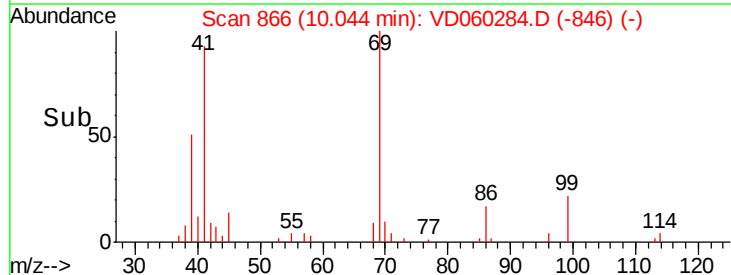
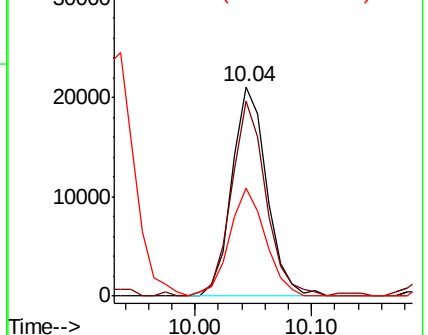


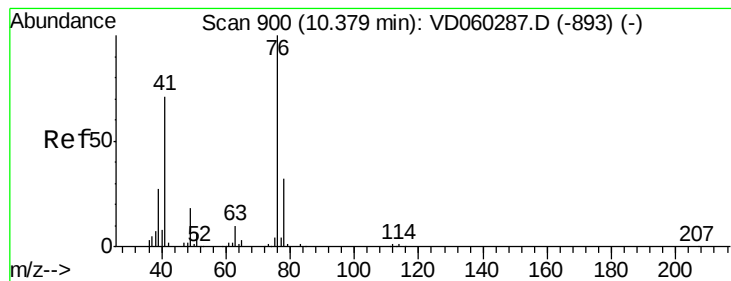
#56
 Ethyl methacrylate
 Concen: 4.323 ug/l
 RT: 10.04 min Scan# 866
 Delta R.T. -0.00 min
 Lab File: VD060284.D
 Acq: 6 Nov 2018 11:07

Tgt Ion:	69	Resp:	43792
Ion	Ratio	Lower	Upper
69	100		
41	92.7	69.0	103.4
39	51.2	36.6	54.8



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: 5.150 ug/l

RT: 10.40 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

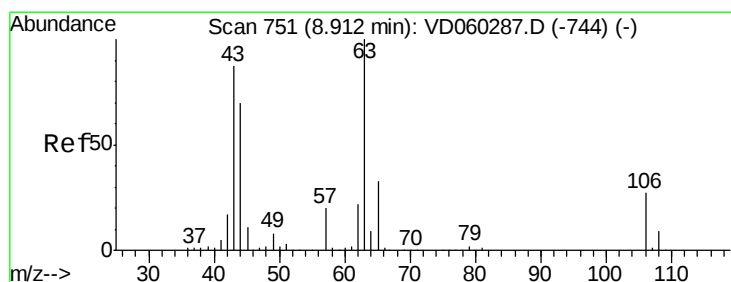
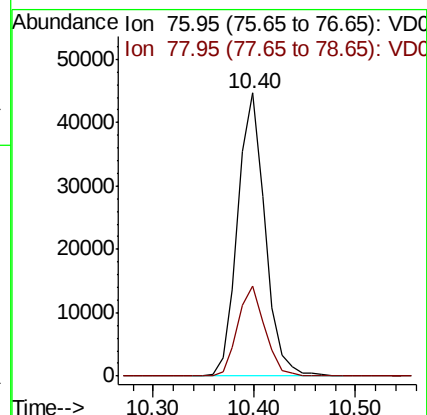
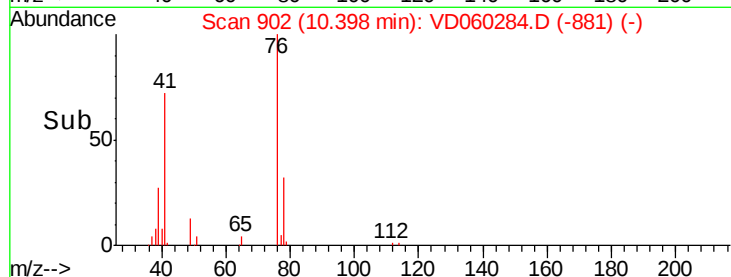
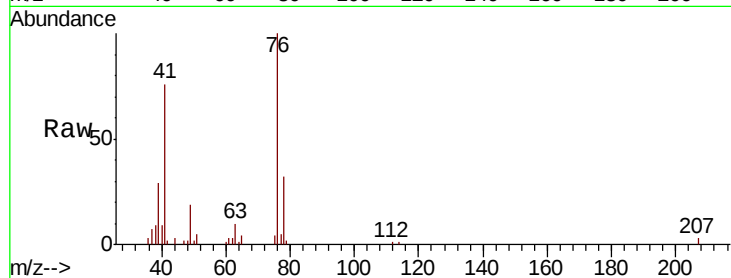
BFB

Tgt Ion: 76 Resp: 83859

Ion Ratio Lower Upper

76 100

78 32.0 25.9 38.9



#58

2-Chloroethyl Vinyl ether

Concen: 26.039 ug/l

RT: 8.94 min Scan# 754

Delta R.T. 0.01 min

Lab File: VD060284.D

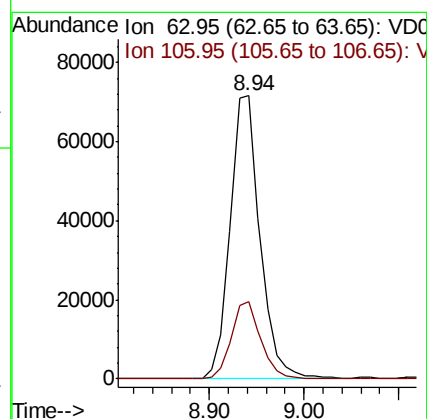
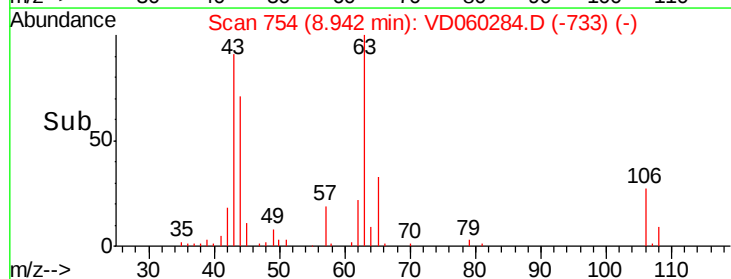
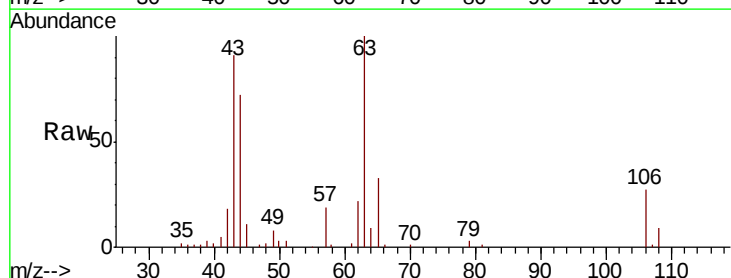
Acq: 6 Nov 2018 11:07

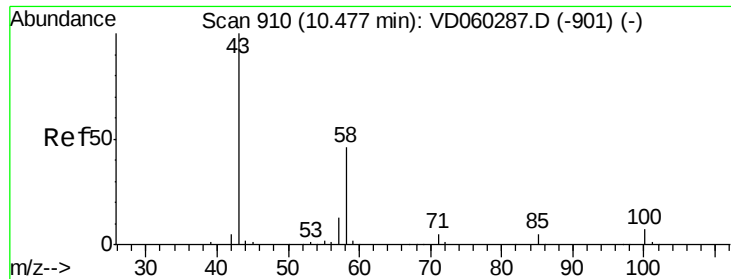
Tgt Ion: 63 Resp: 155937

Ion Ratio Lower Upper

63 100

106 27.3 21.5 32.3





#59

2-Hexanone

Concen: 22.983 ug/l

RT: 10.50 min Scan# 912

Delta R.T. -0.00 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

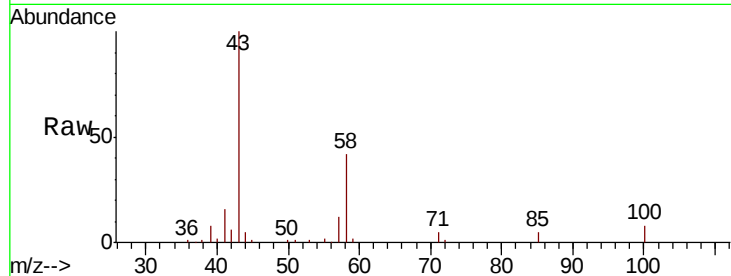
BFB

Tgt Ion: 43 Resp: 143578

Ion Ratio Lower Upper

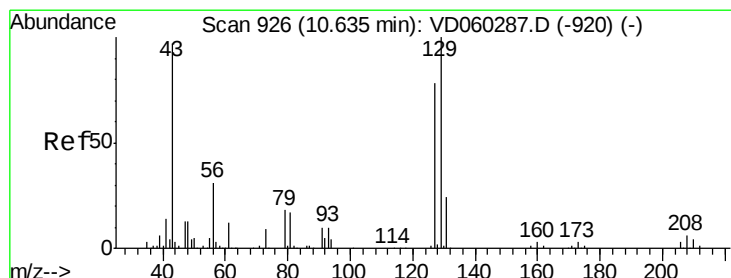
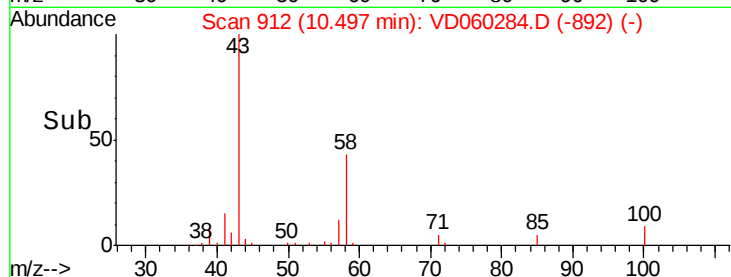
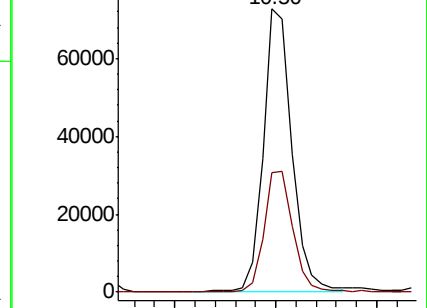
43 100

58 42.1 22.9 68.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#60

Dibromochloromethane

Concen: 4.497 ug/l

RT: 10.65 min Scan# 928

Delta R.T. 0.01 min

Lab File: VD060284.D

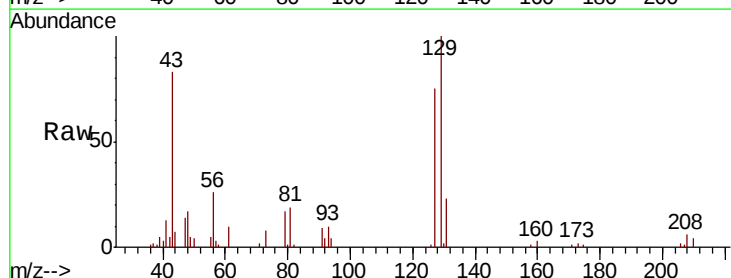
Acq: 6 Nov 2018 11:07

Tgt Ion: 129 Resp: 60743

Ion Ratio Lower Upper

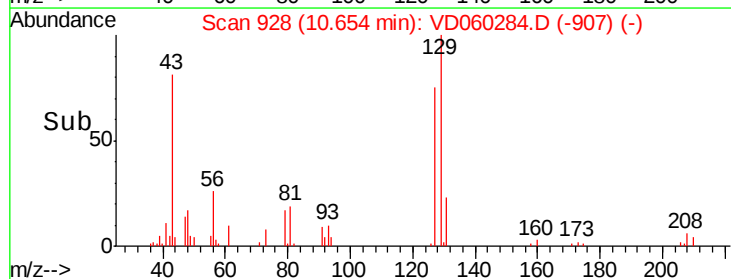
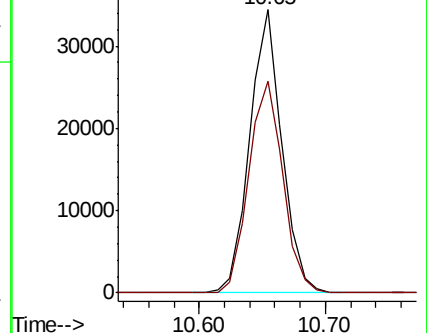
129 100

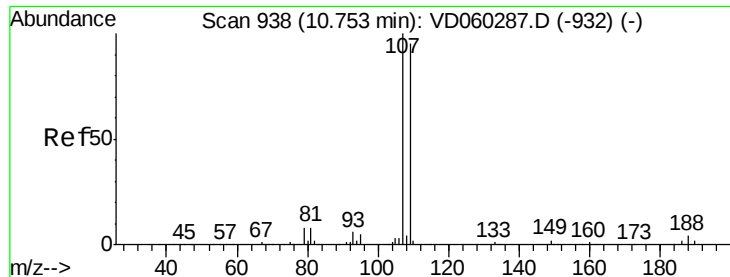
127 74.9 38.9 116.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#61

1,2-Dibromoethane

Concen: 4.882 ug/l

RT: 10.77 min Scan# 940

Delta R.T. 0.01 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

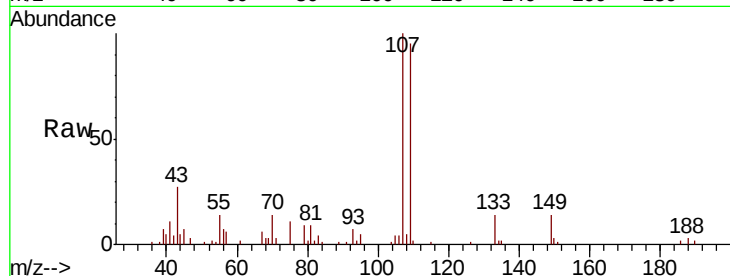
Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion: 107 Resp: 52785

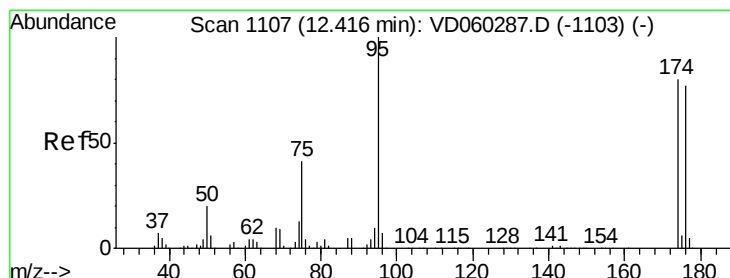
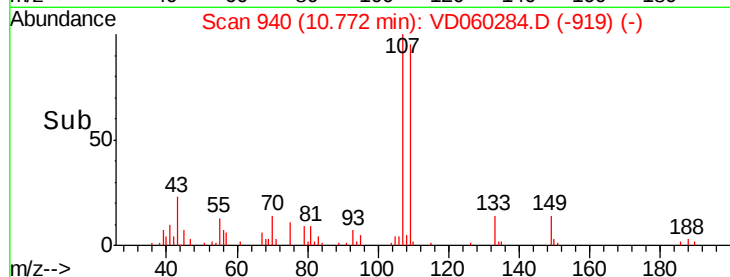
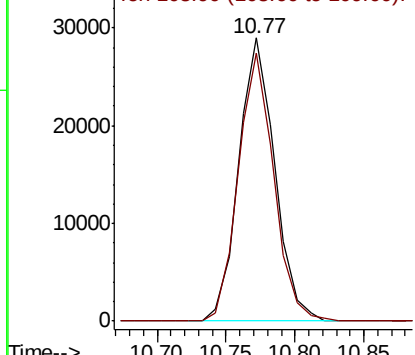
Ion Ratio Lower Upper

107 100

109 94.7 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V
Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 4.882 ug/l

RT: 12.44 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

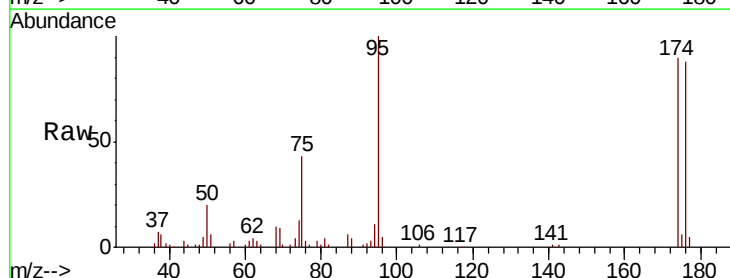
Tgt Ion: 95 Resp: 96637

Ion Ratio Lower Upper

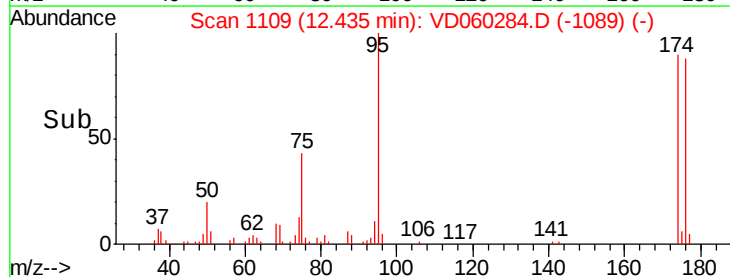
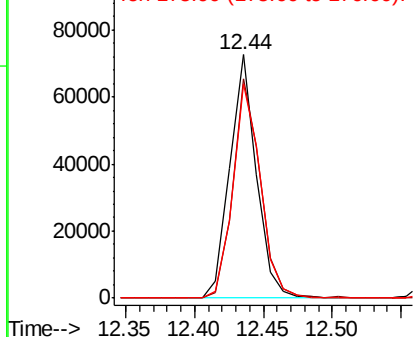
95 100

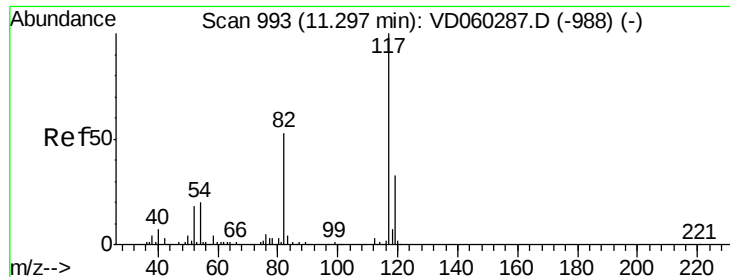
174 90.3 0.0 160.8

176 88.0 0.0 154.6



Abundance Ion 95.00 (94.70 to 95.70): V
Ion 173.90 (173.60 to 174.60): V
Ion 175.90 (175.60 to 176.60): V

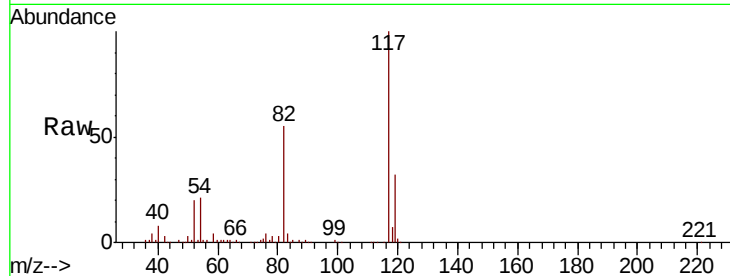




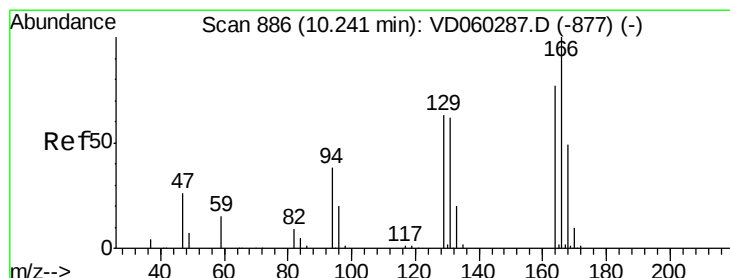
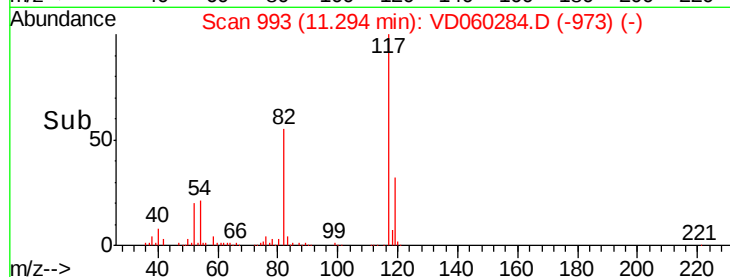
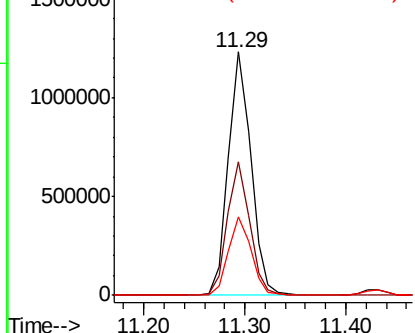
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 993
Delta R.T. -0.00 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion:117 Resp: 1927255
Ion Ratio Lower Upper
117 100
82 54.7 43.7 65.5
119 32.0 26.1 39.1

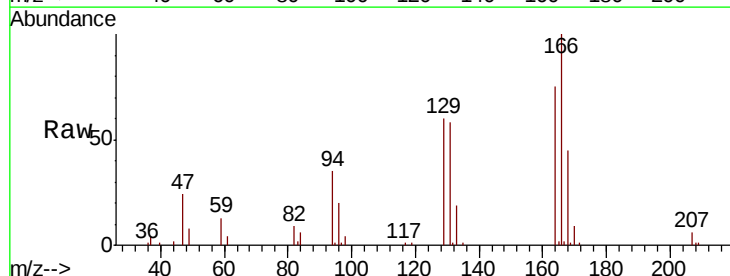


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

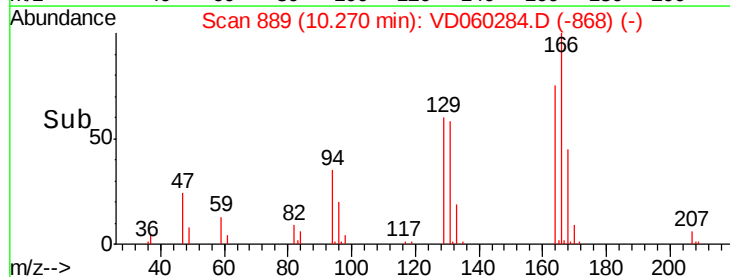
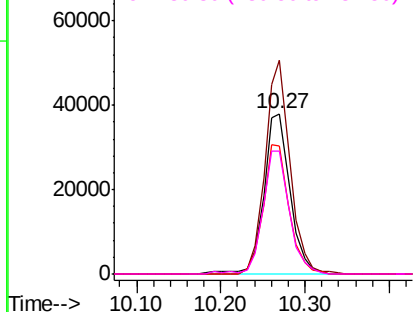


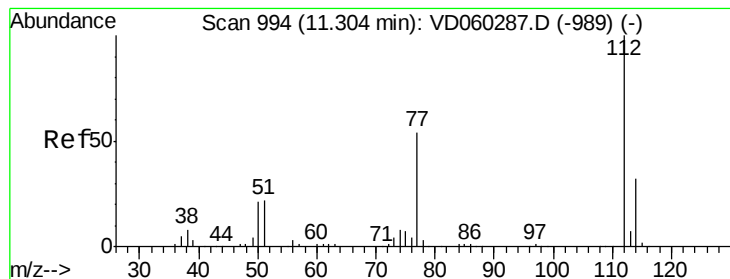
#64
Tetrachloroethene
Concen: 4.940 ug/l
RT: 10.27 min Scan# 889
Delta R.T. 0.01 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

Tgt Ion:164 Resp: 83424
Ion Ratio Lower Upper
164 100
166 133.3 103.7 155.5
129 80.3 65.6 98.4
131 77.1 64.4 96.6



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





#65

Chlorobenzene

Concen: 5.030 ug/l

RT: 11.32 min Scan# 996

Delta R.T. -0.00 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

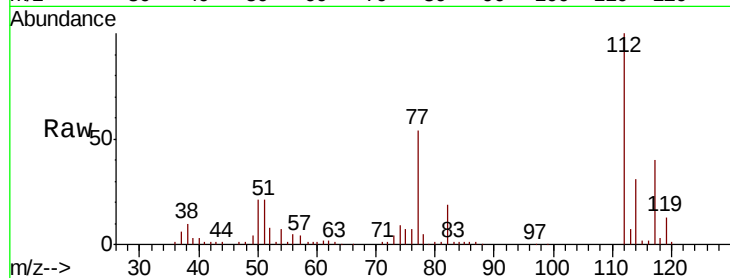
BFB

Tgt Ion:112 Resp: 207743

Ion Ratio Lower Upper

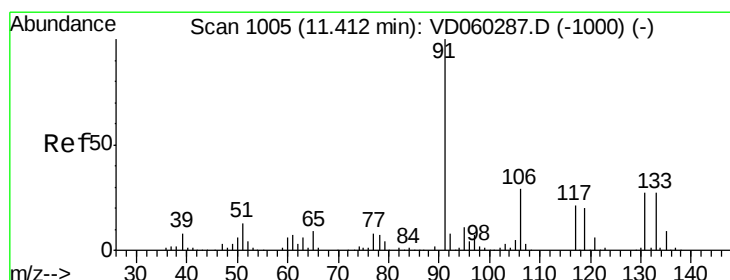
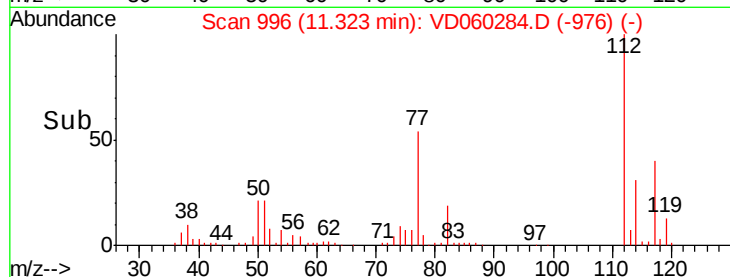
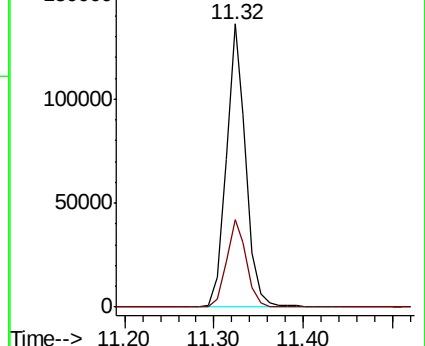
112 100

114 31.1 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 4.790 ug/l

RT: 11.43 min Scan# 1007

Delta R.T. 0.01 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

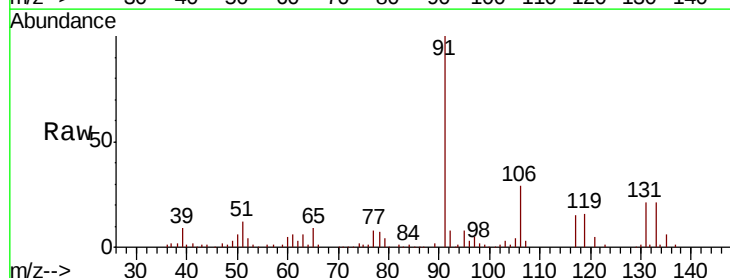
Tgt Ion:131 Resp: 65264

Ion Ratio Lower Upper

131 100

133 97.7 50.0 150.0

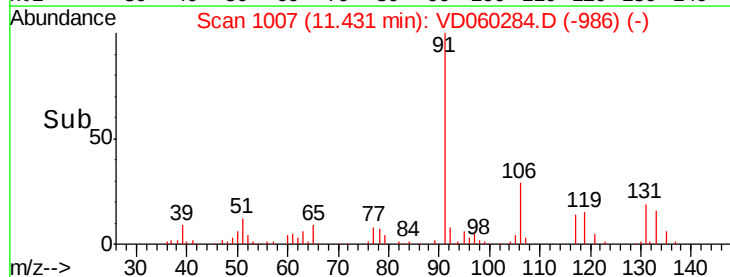
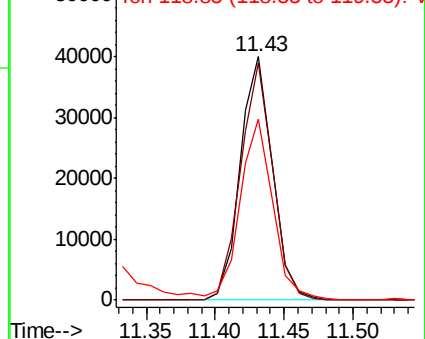
119 74.1 37.0 111.1

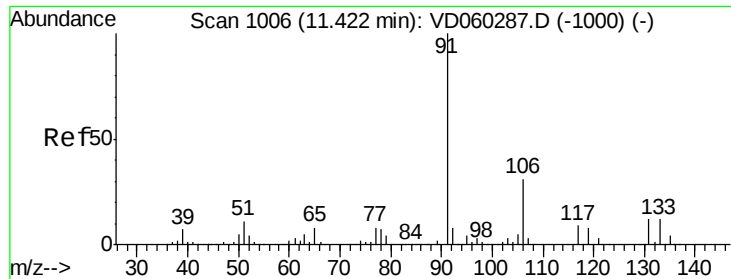


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

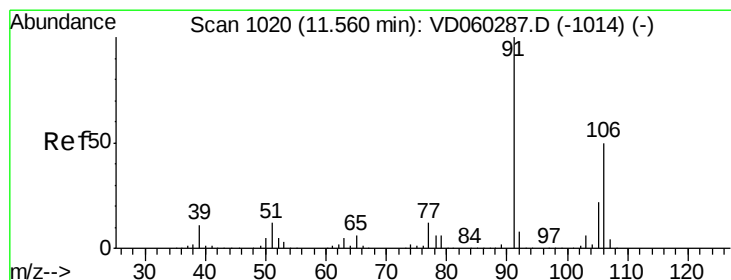
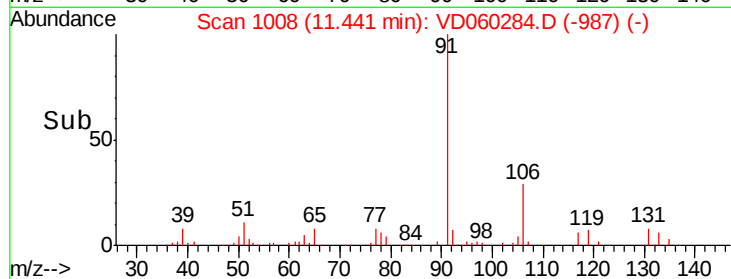
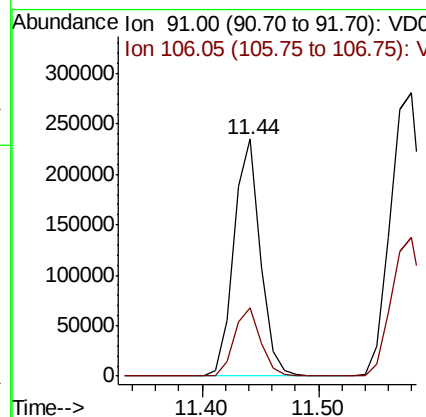
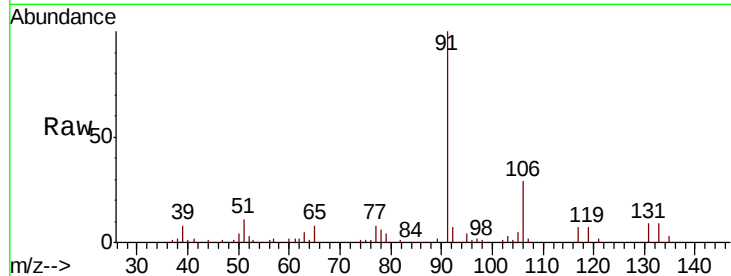




#67
Ethyl Benzene
Concen: 5.248 ug/l
RT: 11.44 min Scan# 1008
Delta R.T. 0.01 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

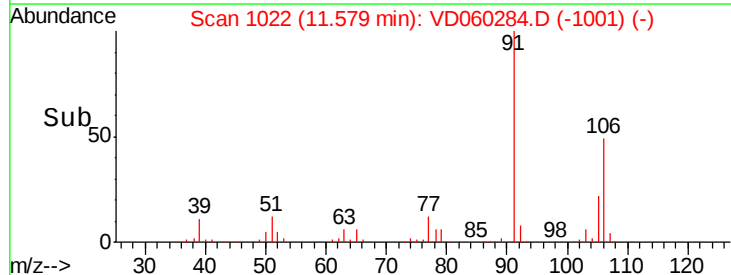
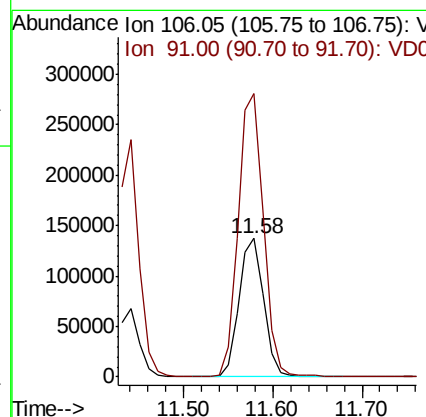
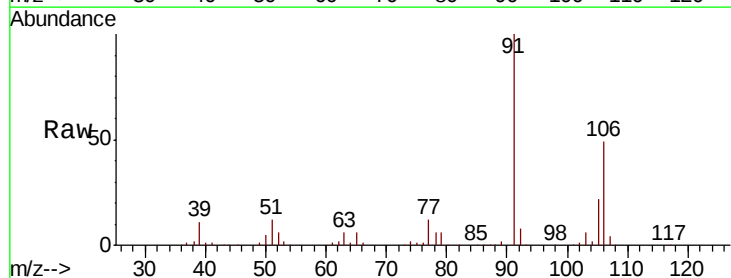
Instrument :
MSVOA_D
ClientSampleId :
BFB

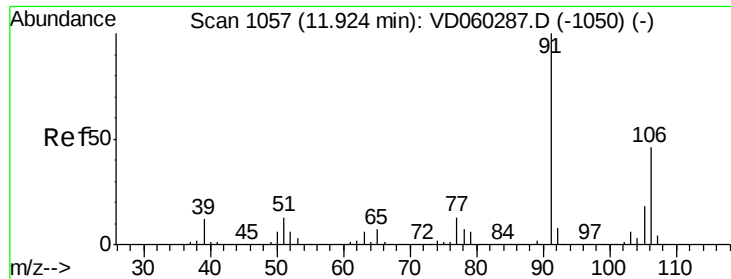
Tgt Ion: 91 Resp: 370074
Ion Ratio Lower Upper
91 100
106 28.9 24.6 36.8



#68
m/p-Xylenes
Concen: 10.268 ug/l
RT: 11.58 min Scan# 1022
Delta R.T. 0.01 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

Tgt Ion: 106 Resp: 267252
Ion Ratio Lower Upper
106 100
91 204.2 159.4 239.2

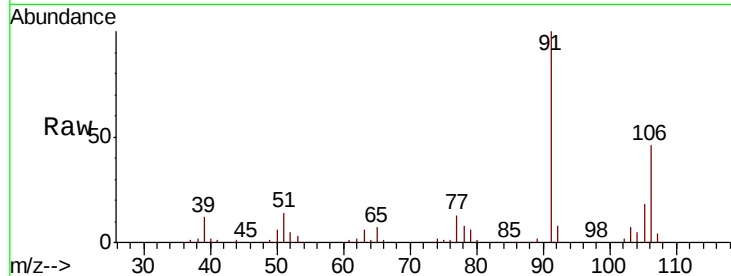




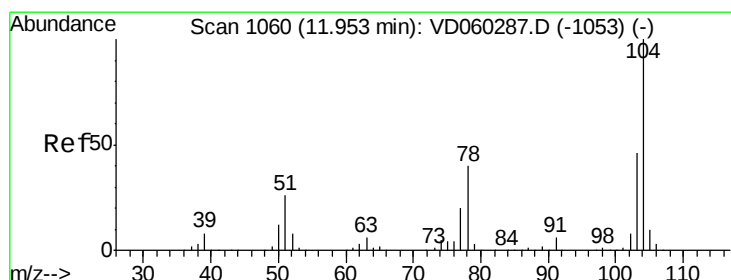
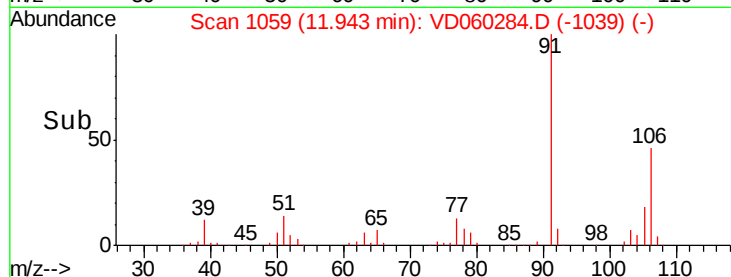
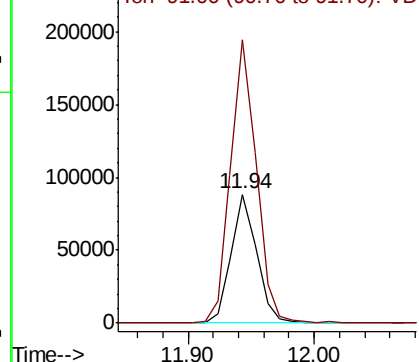
#69
o-Xylene
Concen: 4.900 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

Instrument :
MSVOA_D
ClientSampled :
BFB

Tgt Ion:106 Resp: 123934
Ion Ratio Lower Upper
106 100
91 219.2 109.2 327.6

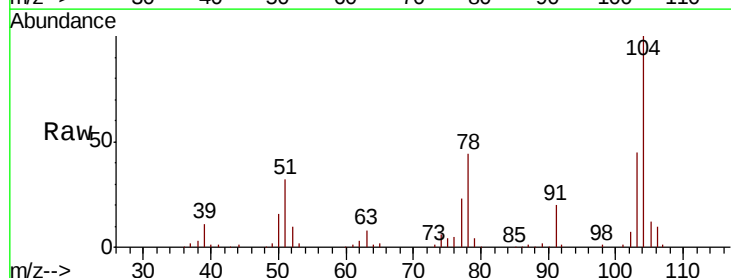


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

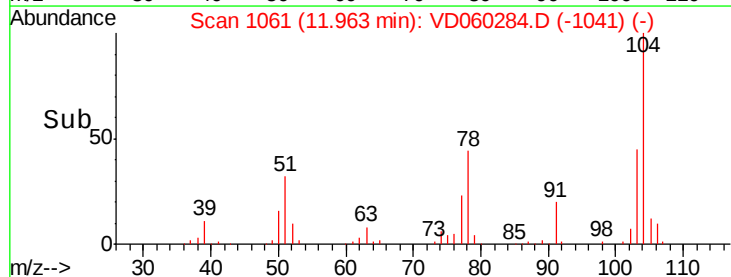
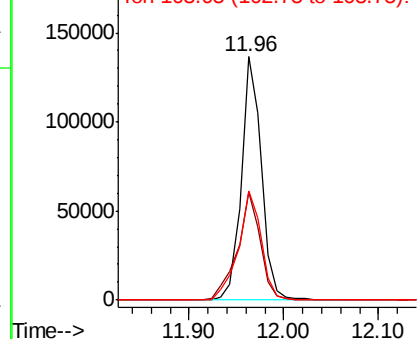


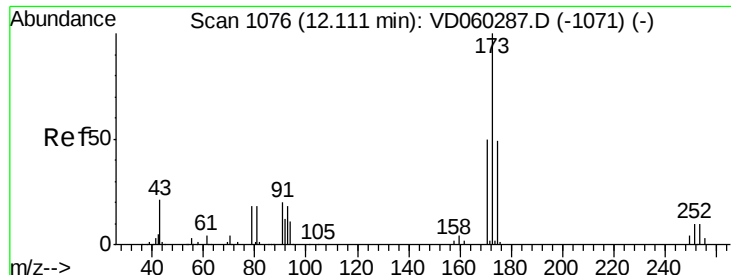
#70
Styrene
Concen: 4.917 ug/l
RT: 11.96 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

Tgt Ion:104 Resp: 200242
Ion Ratio Lower Upper
104 100
78 44.3 31.6 47.4
103 44.8 37.0 55.6



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





#71

Bromoform

Concen: 4.495 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

BFB

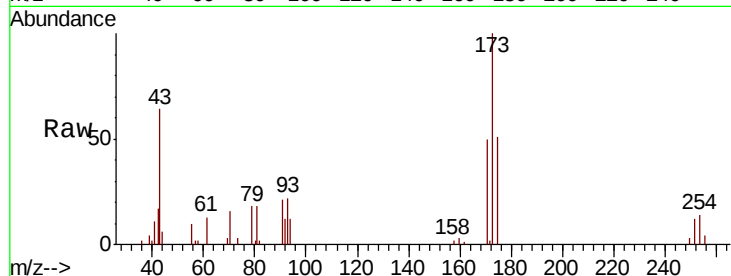
Tgt Ion:173 Resp: 39260

Ion Ratio Lower Upper

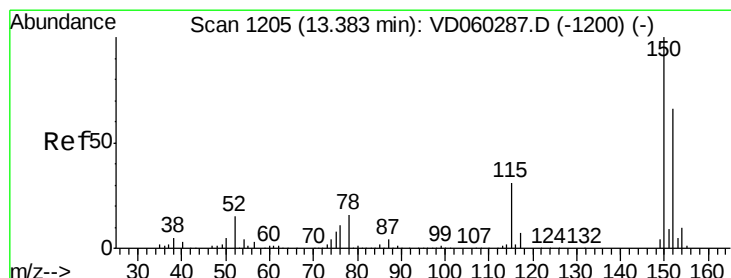
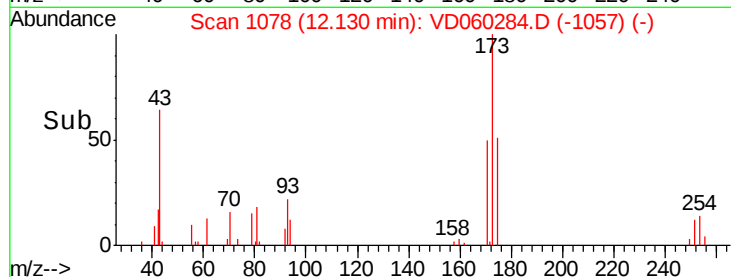
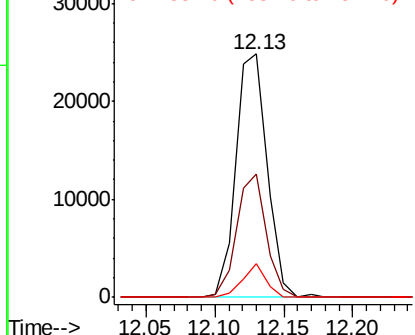
173 100

175 50.9 24.3 73.0

254 13.8 8.3 12.5#



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: 13.38 min Scan# 1205

Delta R.T. -0.00 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

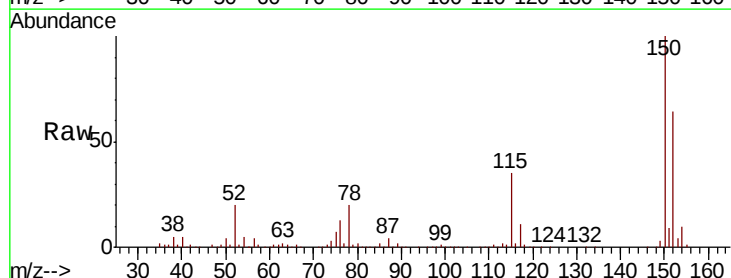
Tgt Ion:152 Resp: 946212

Ion Ratio Lower Upper

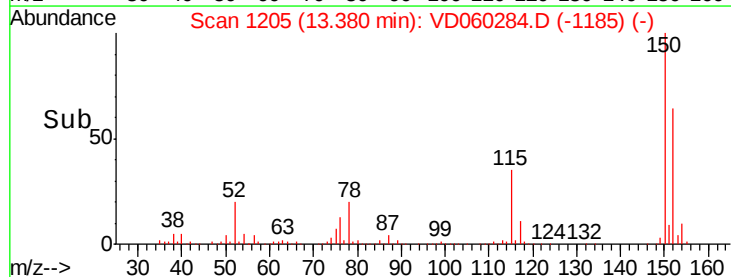
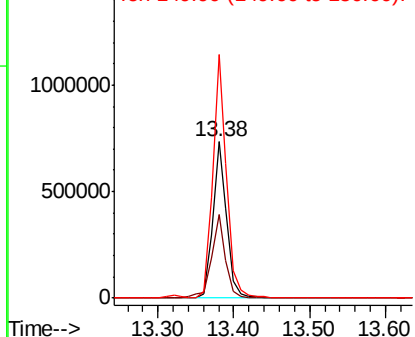
152 100

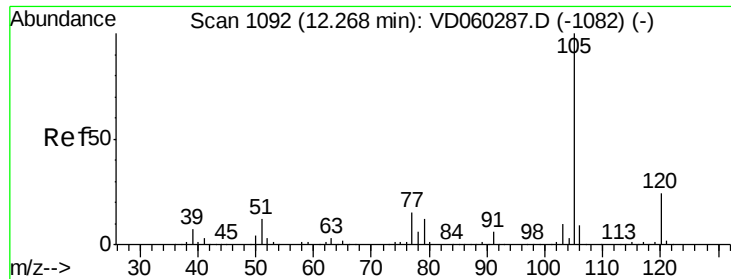
115 53.8 24.1 72.3

150 155.7 0.0 310.6



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





#73

Isopropylbenzene

Concen: 5.338 ug/l

RT: 12.29 min Scan# 1094

Delta R.T. 0.01 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

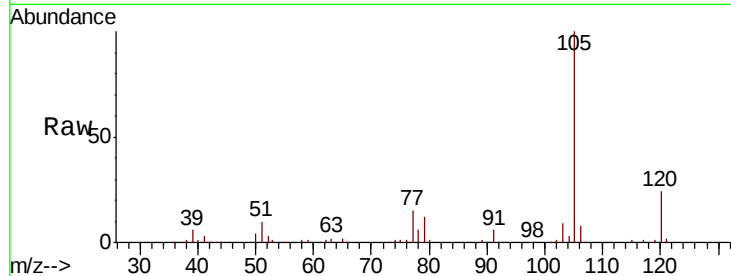
BFB

Tgt Ion:105 Resp: 356204

Ion Ratio Lower Upper

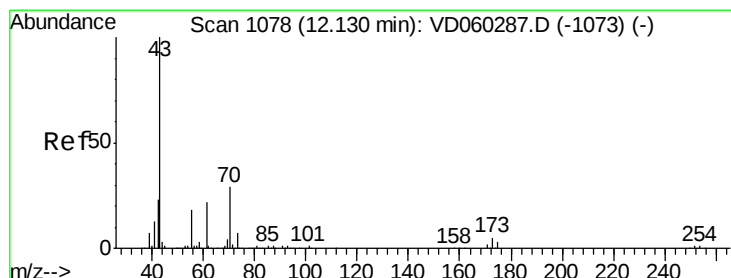
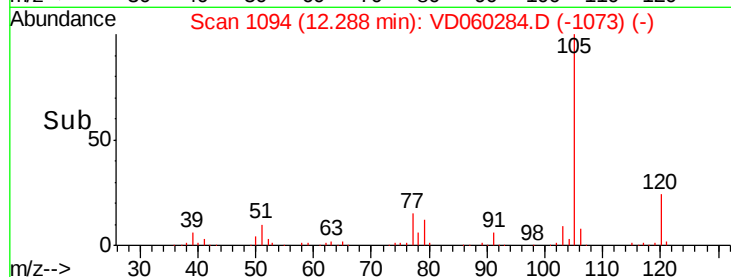
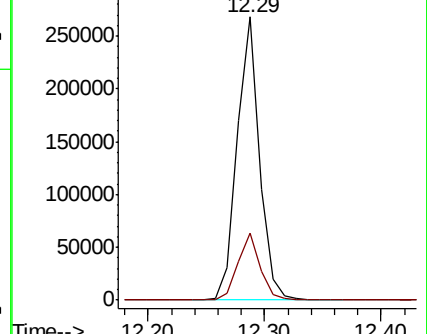
105 100

120 23.9 12.1 36.3



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 4.716 ug/l

RT: 12.14 min Scan# 1079

Delta R.T. -0.00 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Tgt Ion: 43 Resp: 79875

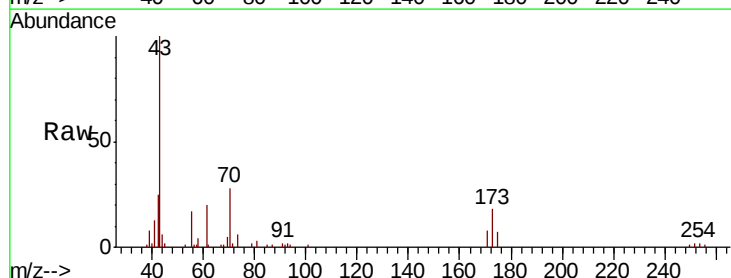
Ion Ratio Lower Upper

43 100

70 28.2 23.0 34.4

55 17.0 14.2 21.4

61 19.6 17.8 26.8

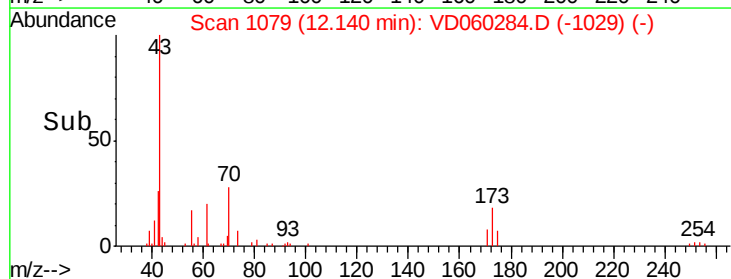
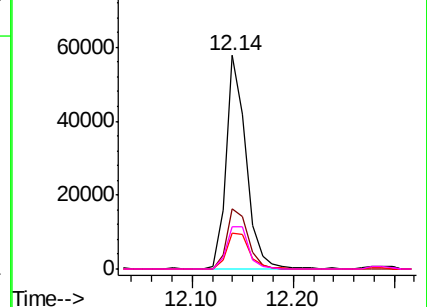


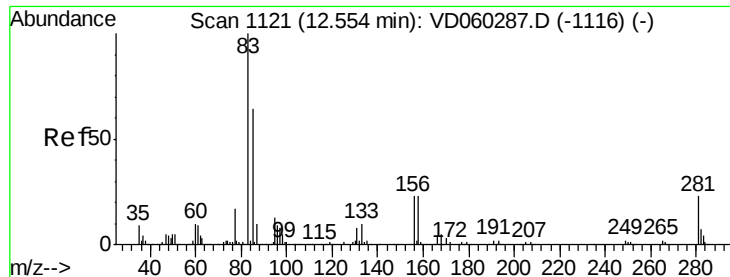
Abundance Ion 42.95 (42.65 to 43.65): V

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

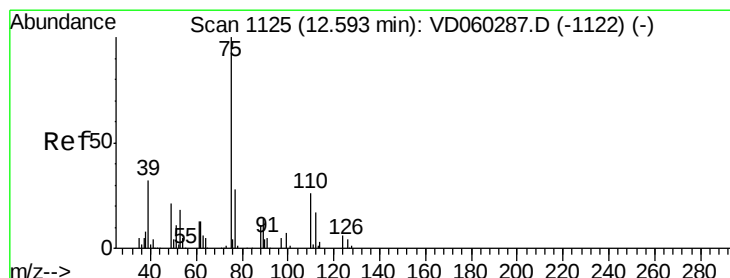
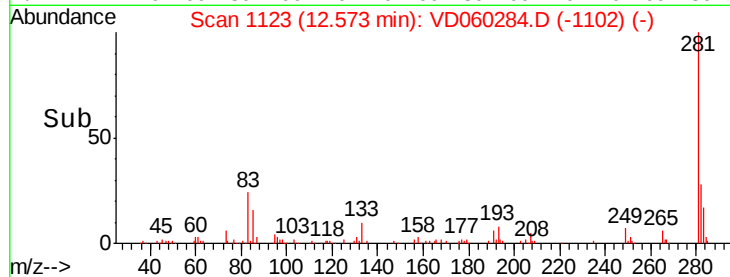
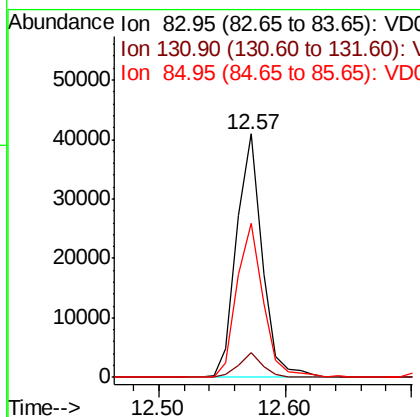
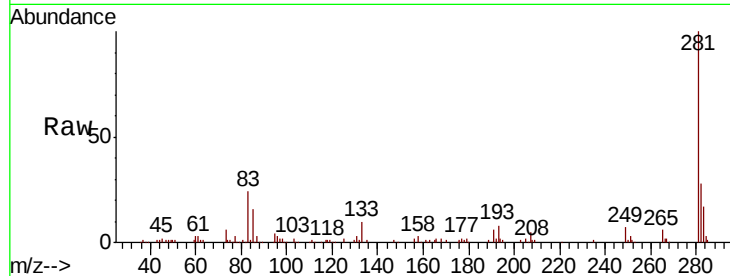




#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.319 ug/l
 RT: 12.57 min Scan# 1123
 Delta R.T. 0.01 min
 Lab File: VD060284.D
 Acq: 6 Nov 2018 11:07

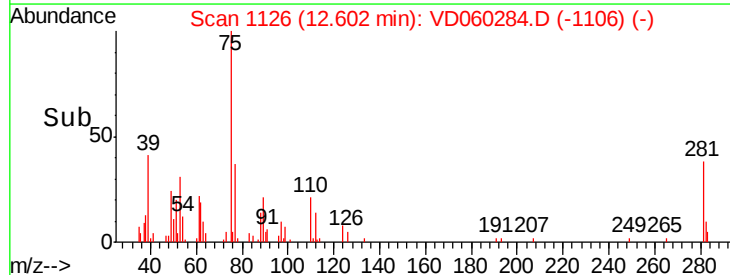
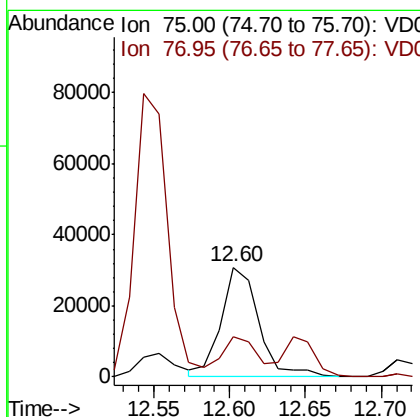
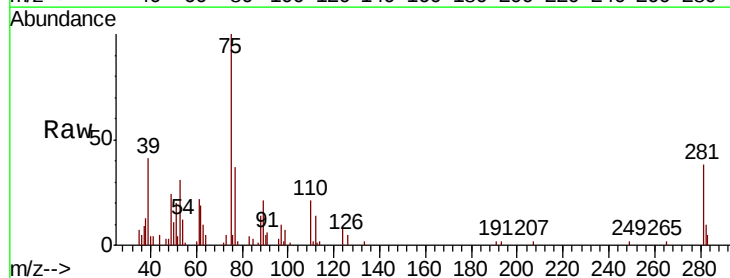
Instrument :
 MSVOA_D
 ClientSampleID :
 BFB

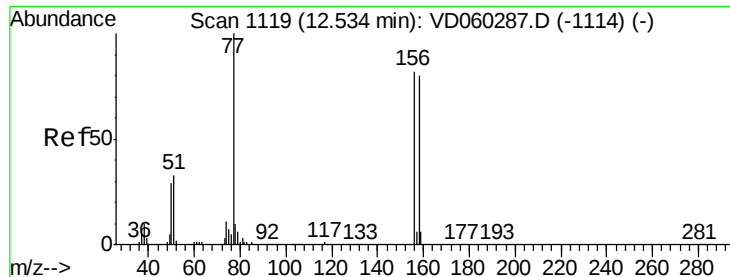
Tgt Ion: 83 Resp: 57279
 Ion Ratio Lower Upper
 83 100
 131 10.3 3.9 11.5
 85 63.4 32.0 96.0



#76
 1,2,3-Trichloropropane
 Concen: 5.002 ug/l
 RT: 12.60 min Scan# 1126
 Delta R.T. -0.00 min
 Lab File: VD060284.D
 Acq: 6 Nov 2018 11:07

Tgt Ion: 75 Resp: 53738
 Ion Ratio Lower Upper
 75 100
 77 36.9 16.4 49.1

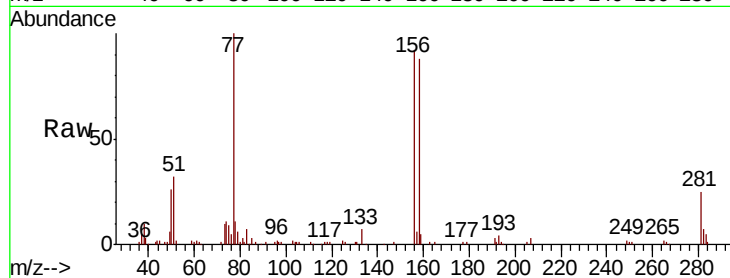




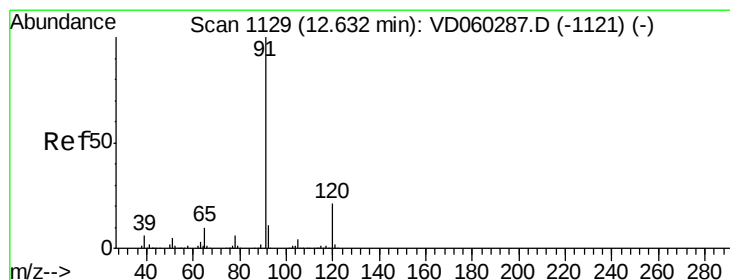
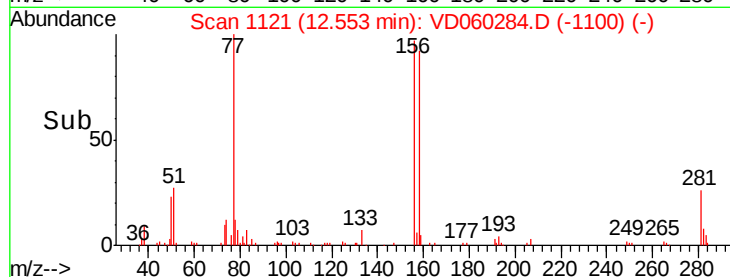
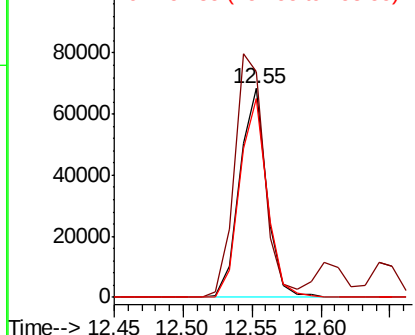
#77
Bromobenzene
Concen: 5.264 ug/l
RT: 12.55 min Scan# 1121
Delta R.T. 0.01 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

Instrument :
MSVOA_D
ClientSampled :
BFB

Tgt Ion: 156 Resp: 93813
Ion Ratio Lower Upper
156 100
77 108.2 61.2 183.6
158 95.1 49.2 147.6

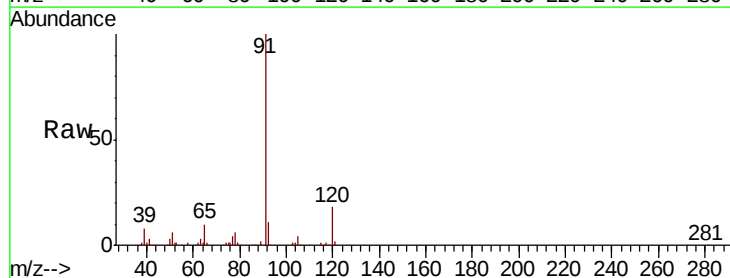


Abundance Ion 155.90 (155.60 to 156.60): V
Ion 76.95 (76.65 to 77.65): V
Ion 157.85 (157.55 to 158.55): V

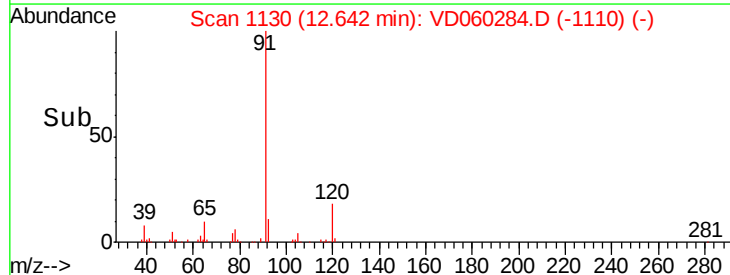
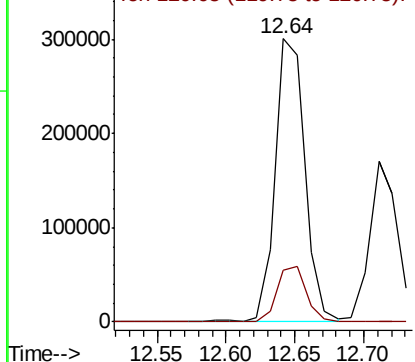


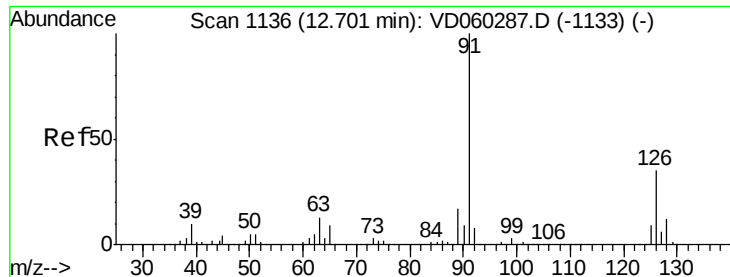
#78
n-propylbenzene
Concen: 5.331 ug/l
RT: 12.64 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

Tgt Ion: 91 Resp: 447273
Ion Ratio Lower Upper
91 100
120 18.3 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 120.05 (119.75 to 120.75): V

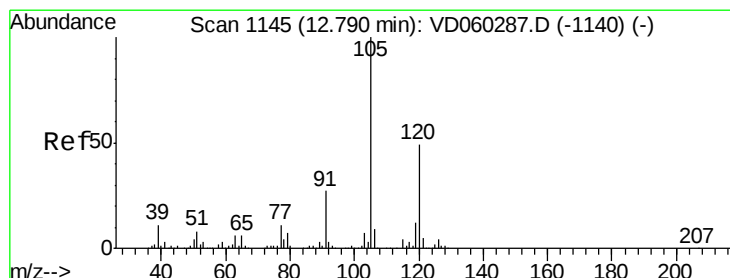
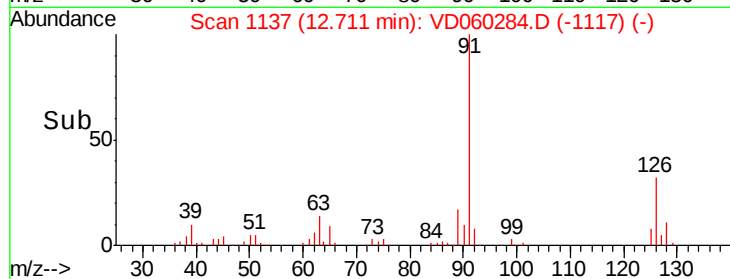
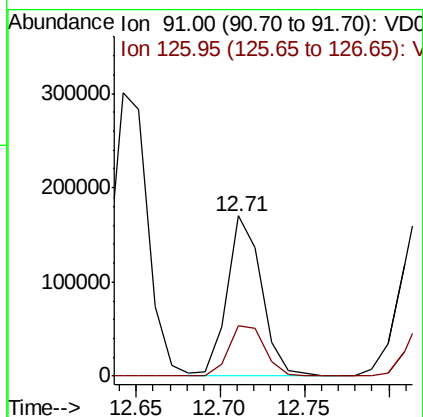
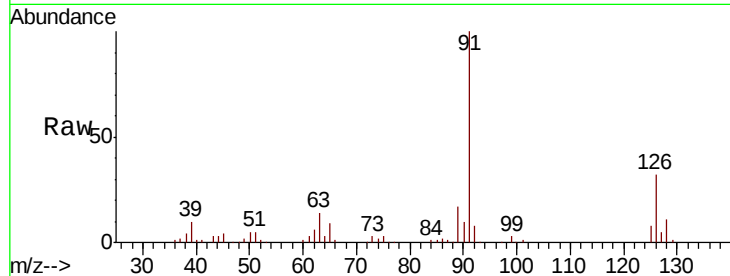




#79
 2-Chlorotoluene
 Concen: 5.215 ug/l
 RT: 12.71 min Scan# 1137
 Delta R.T. -0.00 min
 Lab File: VD060284.D
 Acq: 6 Nov 2018 11:07

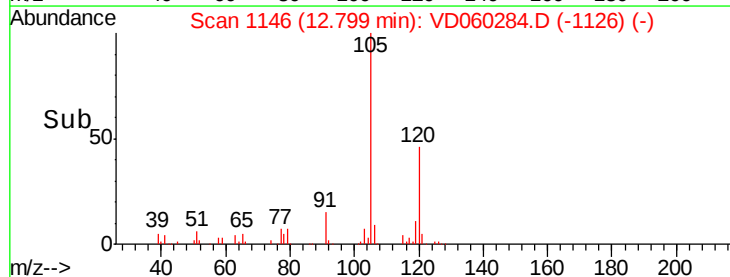
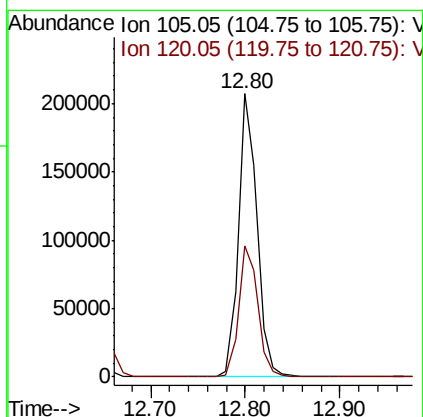
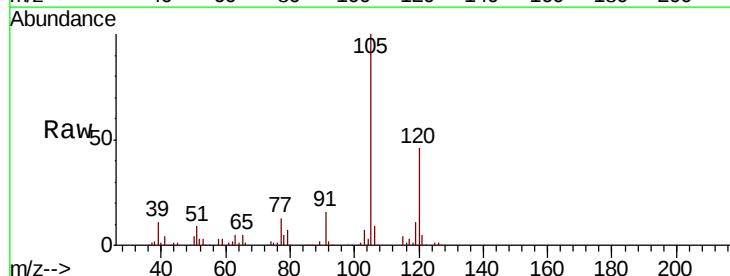
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

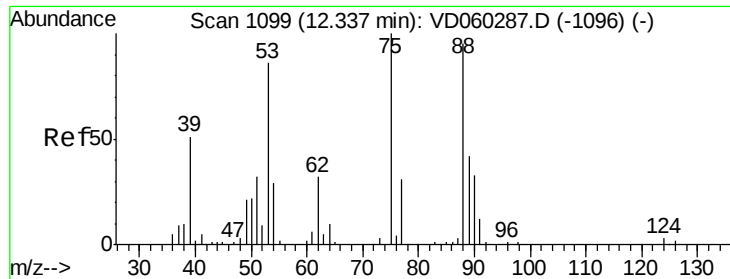
Tgt Ion: 91 Resp: 241424
 Ion Ratio Lower Upper
 91 100
 126 31.6 17.4 52.2



#80
 1,3,5-Trimethylbenzene
 Concen: 5.395 ug/l
 RT: 12.80 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: VD060284.D
 Acq: 6 Nov 2018 11:07

Tgt Ion: 105 Resp: 279762
 Ion Ratio Lower Upper
 105 100
 120 46.5 24.4 73.4

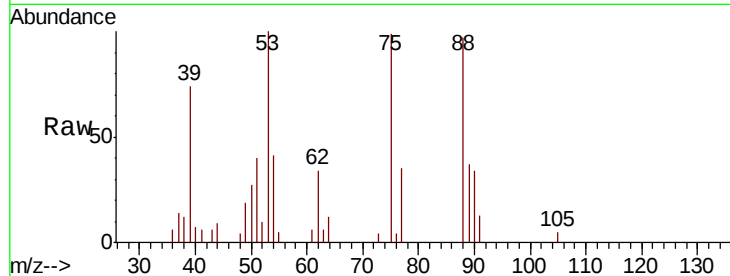




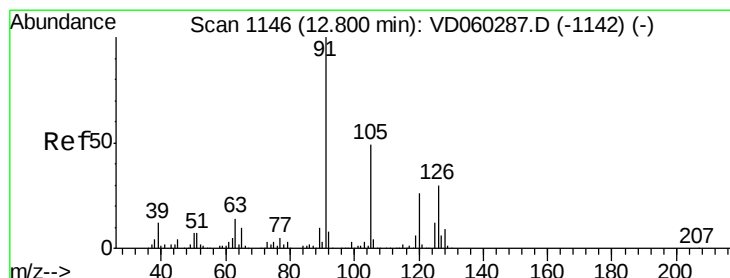
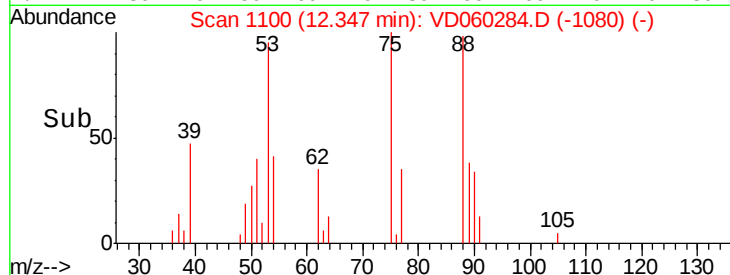
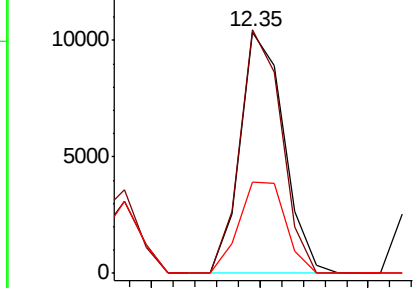
#81
trans-1,4-Dichloro-2-butene
Concen: 5.056 ug/l
RT: 12.35 min Scan# 1100
Delta R.T. -0.00 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

Instrument :
MSVOA_D
ClientSampleId :
BFB

Tgt Ion: 75 Resp: 14660
Ion Ratio Lower Upper
75 100
53 101.0 68.6 103.0
89 37.7 34.1 51.1

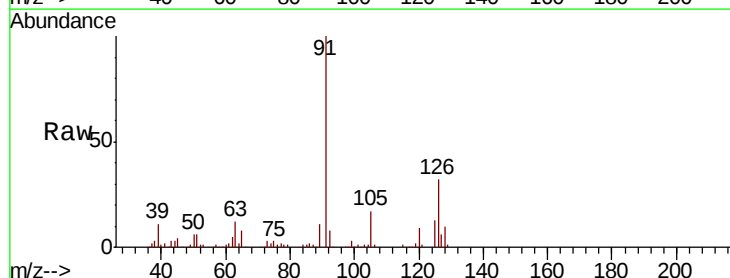


Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC

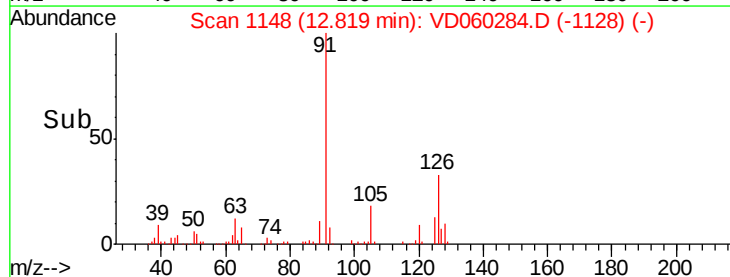
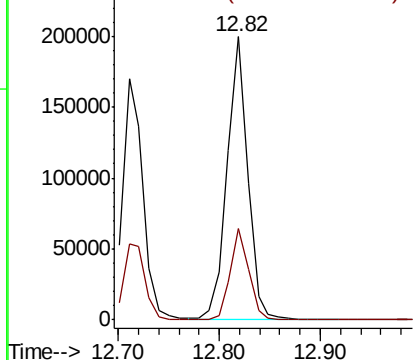


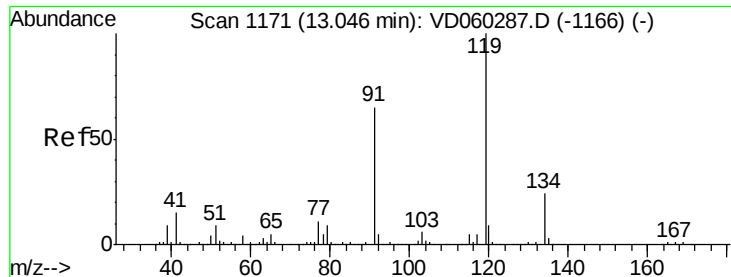
#82
4-Chlorotoluene
Concen: 5.512 ug/l
RT: 12.82 min Scan# 1148
Delta R.T. -0.00 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

Tgt Ion: 91 Resp: 284720
Ion Ratio Lower Upper
91 100
126 32.2 14.8 44.4



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

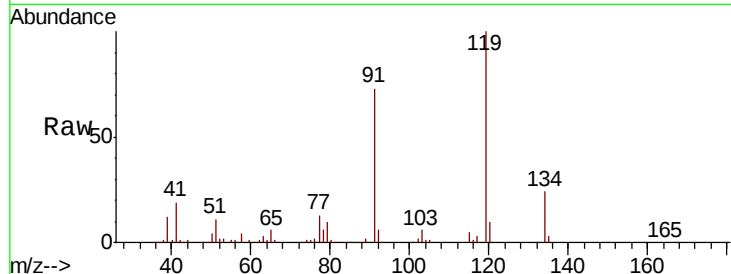




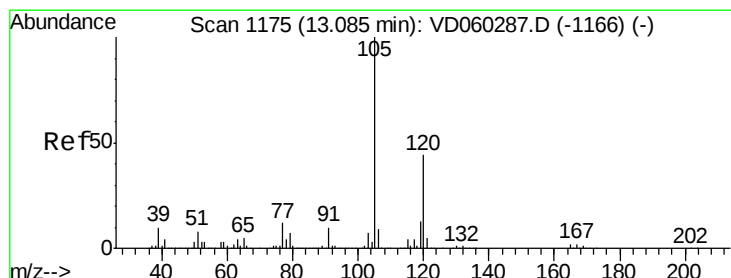
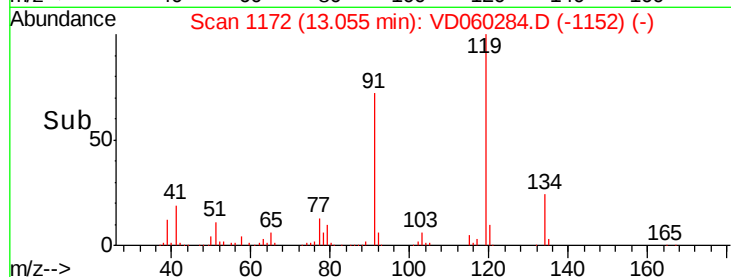
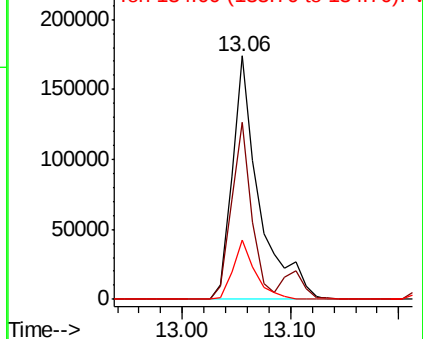
#83
 tert-Butylbenzene
 Concen: 5.231 ug/l
 RT: 13.06 min Scan# 1172
 Delta R.T. -0.00 min
 Lab File: VD060284.D
 Acq: 6 Nov 2018 11:07

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Tgt Ion:119 Resp: 301521
 Ion Ratio Lower Upper
 119 100
 91 72.6 32.7 98.1
 134 24.3 12.1 36.3

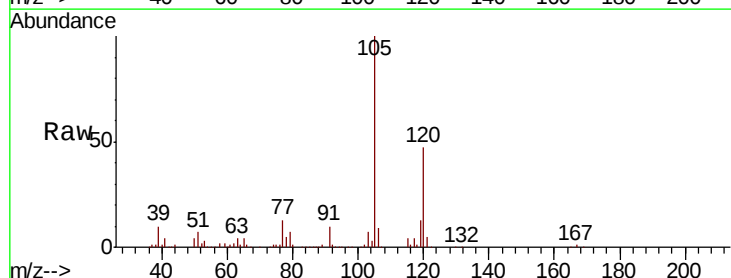


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

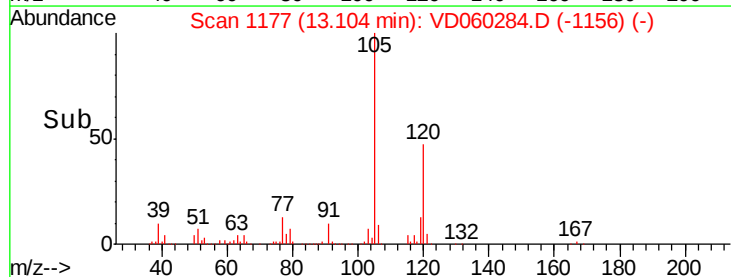
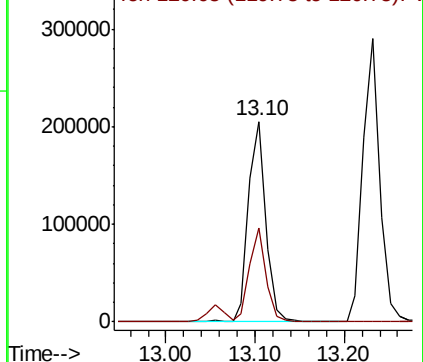


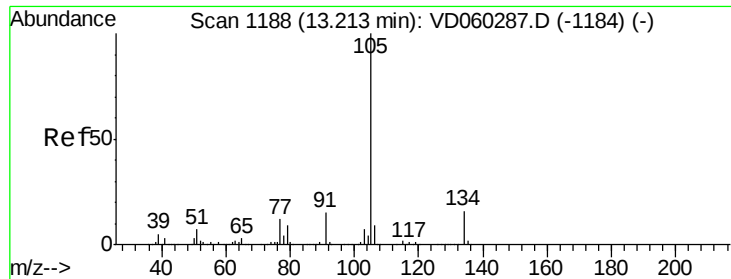
#84
 1,2,4-Trimethylbenzene
 Concen: 5.252 ug/l
 RT: 13.10 min Scan# 1177
 Delta R.T. 0.01 min
 Lab File: VD060284.D
 Acq: 6 Nov 2018 11:07

Tgt Ion:105 Resp: 276374
 Ion Ratio Lower Upper
 105 100
 120 46.9 21.9 65.8



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

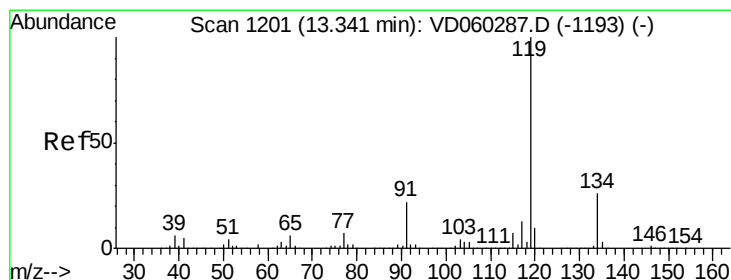
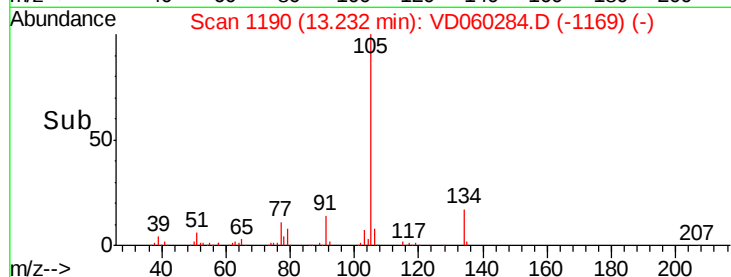
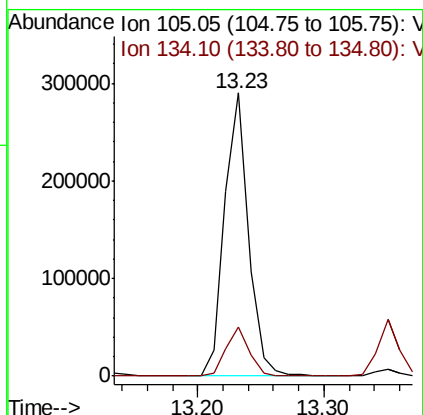
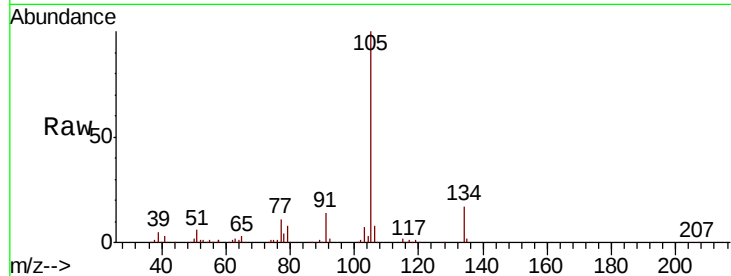




#85
 sec-Butylbenzene
 Concen: 5.399 ug/l
 RT: 13.23 min Scan# 1190
 Delta R.T. 0.01 min
 Lab File: VD060284.D
 Acq: 6 Nov 2018 11:07

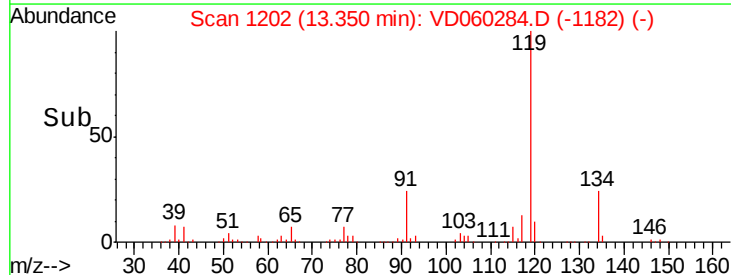
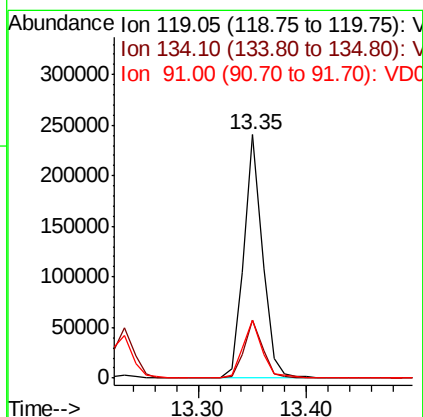
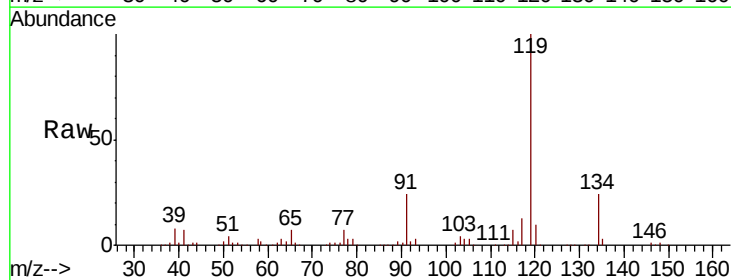
Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

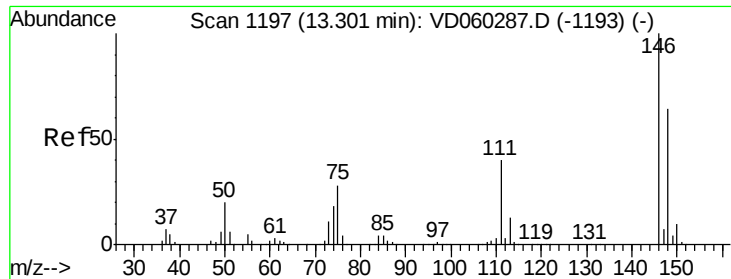
Tgt Ion:105 Resp: 379653
 Ion Ratio Lower Upper
 105 100
 134 17.3 8.0 24.0



#86
 p-Isopropyltoluene
 Concen: 5.190 ug/l
 RT: 13.35 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VD060284.D
 Acq: 6 Nov 2018 11:07

Tgt Ion:119 Resp: 290069
 Ion Ratio Lower Upper
 119 100
 134 24.0 12.9 38.6
 91 23.7 11.3 33.8





#87

1,3-Dichlorobenzene

Concen: 5.055 ug/l

RT: 13.32 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

Instrument :

MSVOA_D

ClientSampleId :

BFB

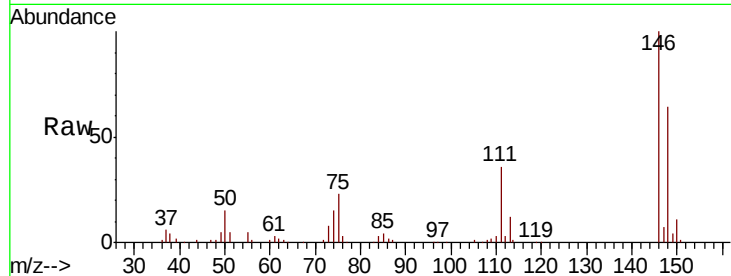
Tgt Ion:146 Resp: 160837

Ion Ratio Lower Upper

146 100

111 35.9 20.2 60.5

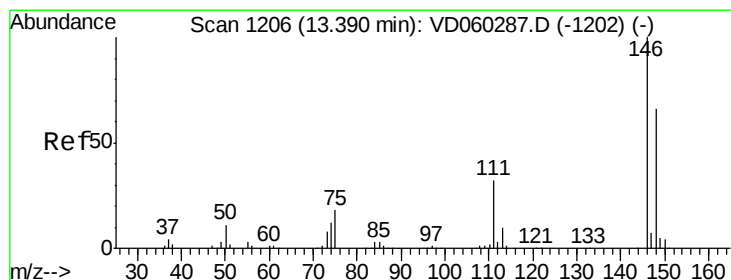
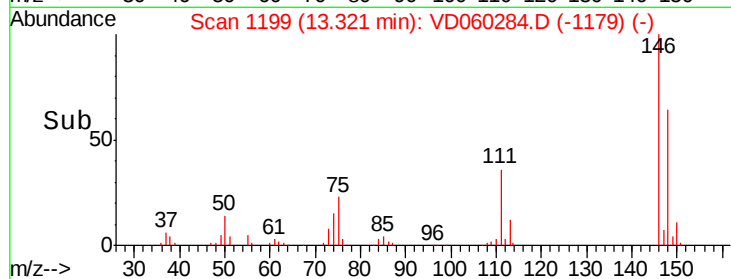
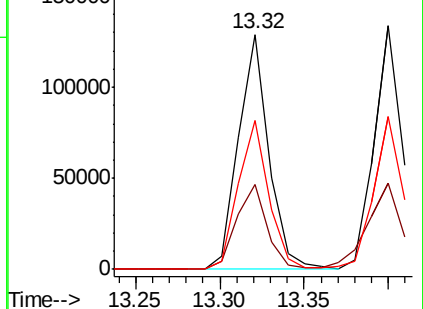
148 63.5 32.0 96.0



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



#88

1,4-Dichlorobenzene

Concen: 5.185 ug/l

RT: 13.40 min Scan# 1207

Delta R.T. -0.00 min

Lab File: VD060284.D

Acq: 6 Nov 2018 11:07

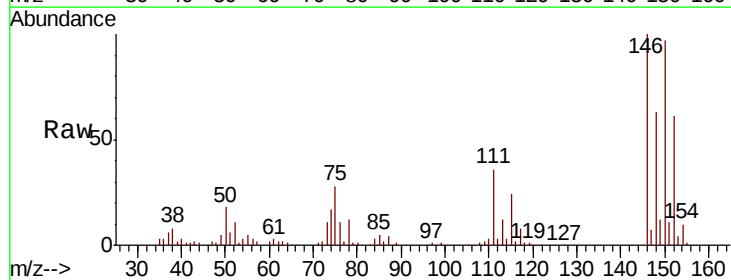
Tgt Ion:146 Resp: 160879

Ion Ratio Lower Upper

146 100

111 35.6 16.0 47.9

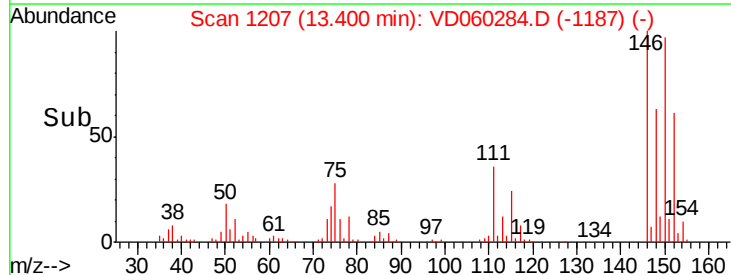
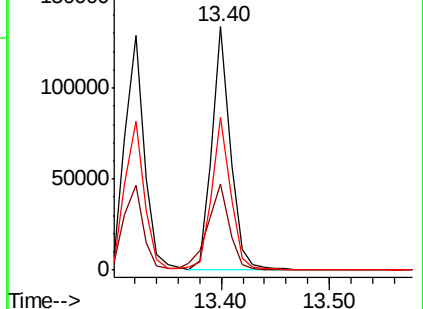
148 62.8 32.9 98.7

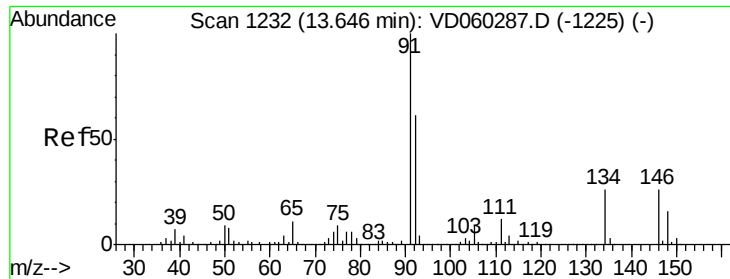


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

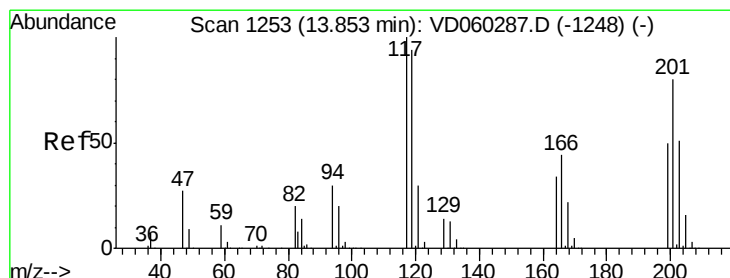
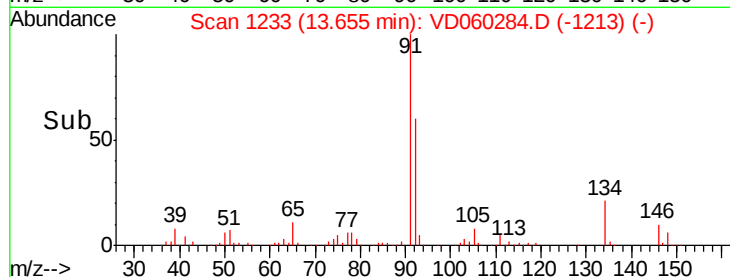
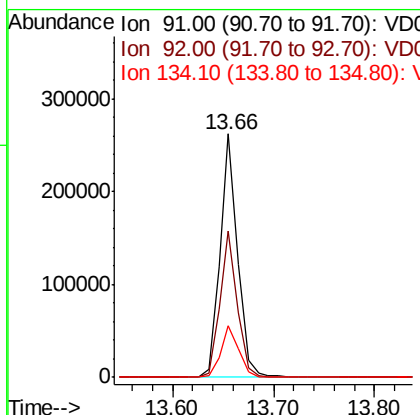
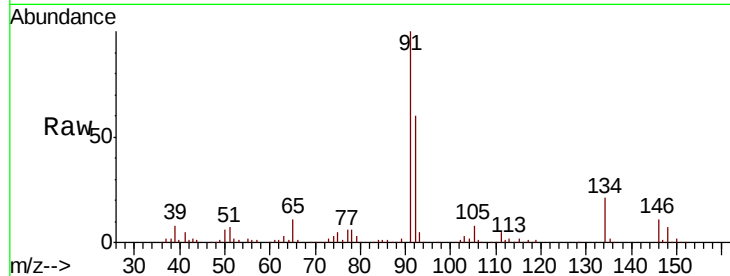




#89
n-Butylbenzene
Concen: 5.572 ug/l
RT: 13.66 min Scan# 1233
Delta R.T. -0.00 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

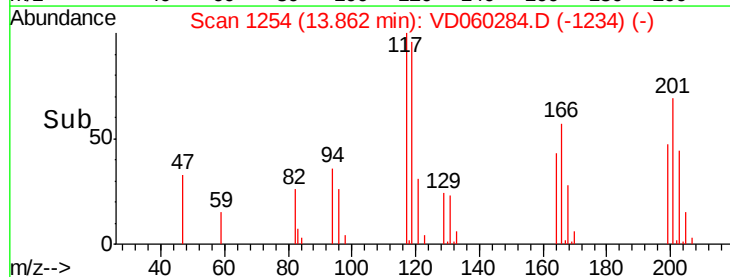
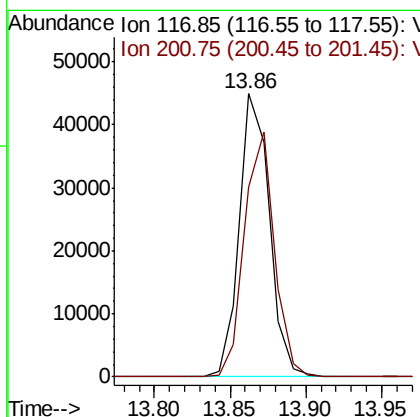
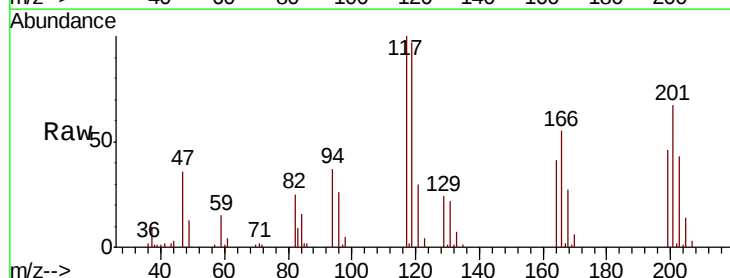
Instrument :
MSVOA_D
ClientSampleId :
BFB

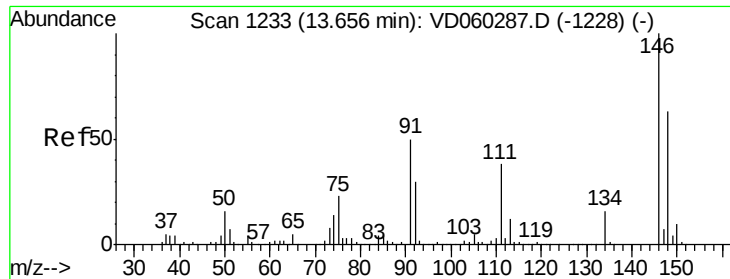
Tgt Ion: 91 Resp: 318921
Ion Ratio Lower Upper
91 100
92 60.3 30.3 90.9
134 21.1 13.0 38.9



#90
Hexachloroethane
Concen: 4.548 ug/l
RT: 13.86 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

Tgt Ion: 117 Resp: 61882
Ion Ratio Lower Upper
117 100
201 66.9 40.1 120.3

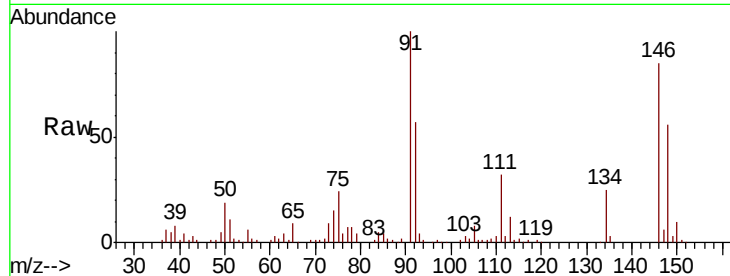




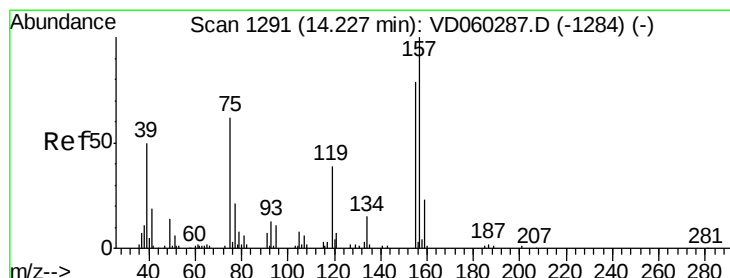
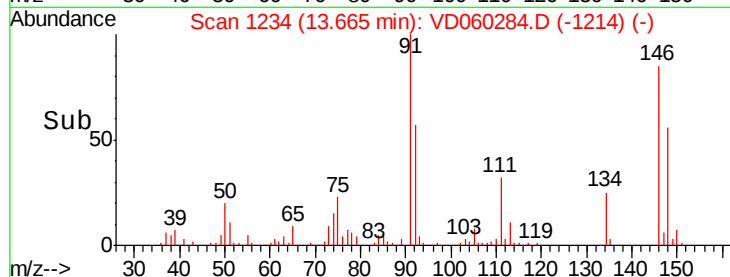
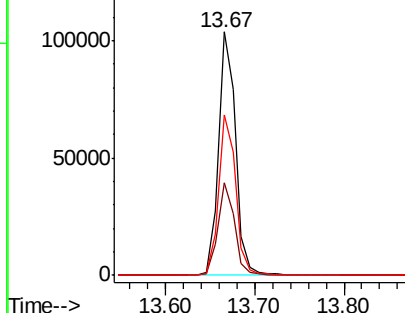
#91
 1,2-Dichlorobenzene
 Concen: 5.376 ug/l
 RT: 13.67 min Scan# 1234
 Delta R.T. -0.00 min
 Lab File: VD060284.D
 Acq: 6 Nov 2018 11:07

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Tgt Ion: 146 Resp: 139510
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.9 56.9
 148 66.0 31.6 94.8

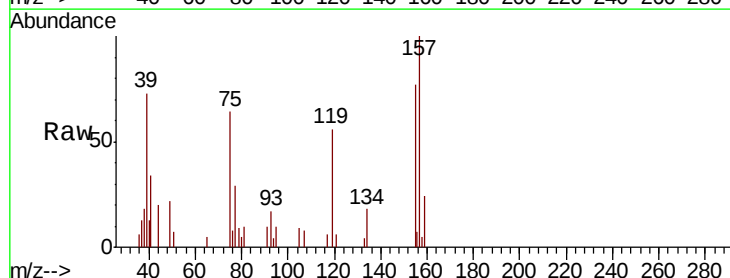


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

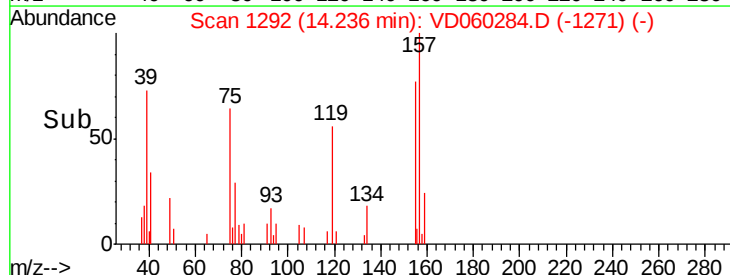
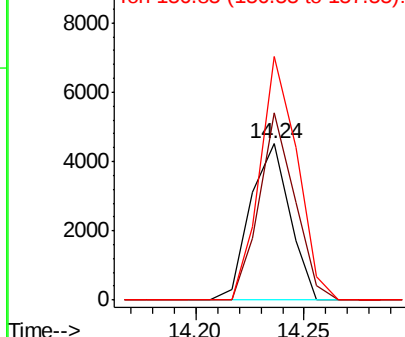


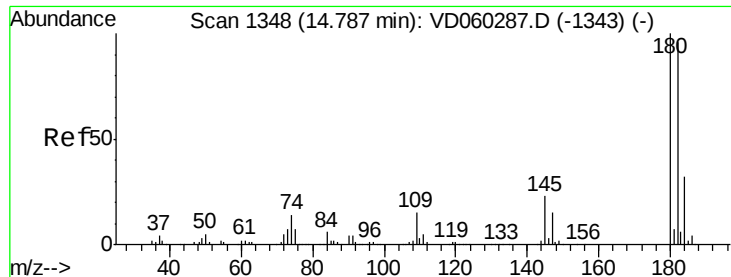
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.327 ug/l
 RT: 14.24 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VD060284.D
 Acq: 6 Nov 2018 11:07

Tgt Ion: 75 Resp: 5717
 Ion Ratio Lower Upper
 75 100
 155 119.6 64.3 192.9
 157 155.7 81.0 243.1



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

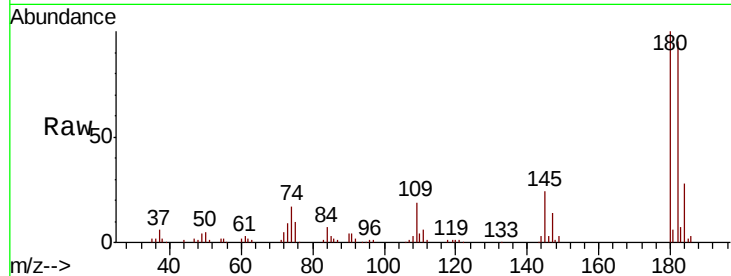




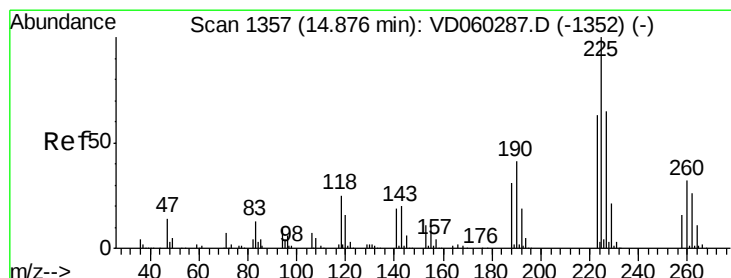
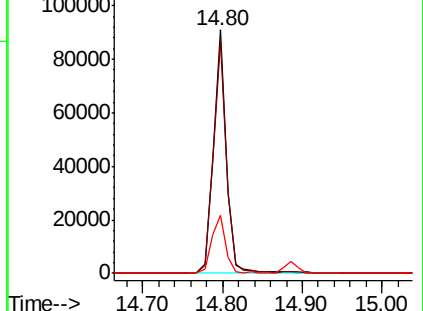
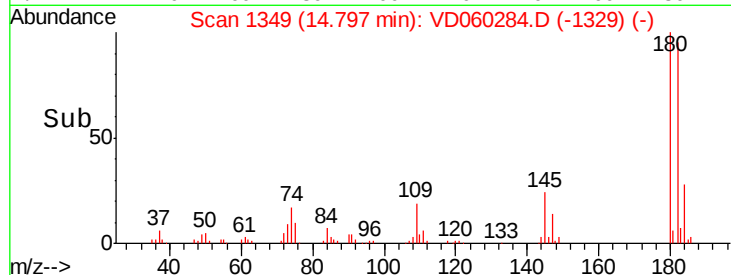
#93
 1,2,4-Trichlorobenzene
 Concen: 5.189 ug/l
 RT: 14.80 min Scan# 1349
 Delta R.T. -0.00 min
 Lab File: VD060284.D
 Acq: 6 Nov 2018 11:07

Instrument :
 MSVOA_D
 ClientSampleId :
 BFB

Tgt Ion:180 Resp: 104447
 Ion Ratio Lower Upper
 180 100
 182 95.3 48.1 144.4
 145 23.8 11.5 34.4

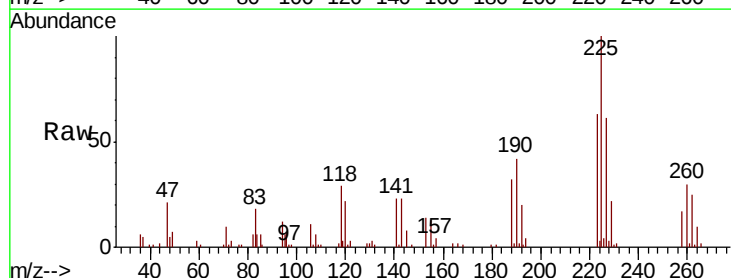


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

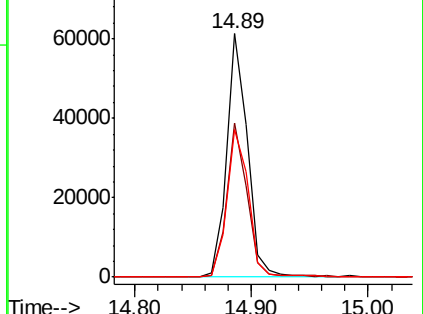
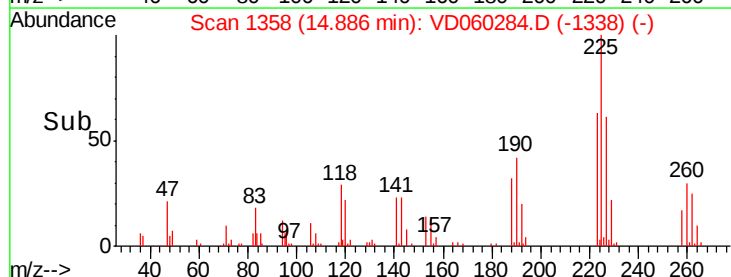


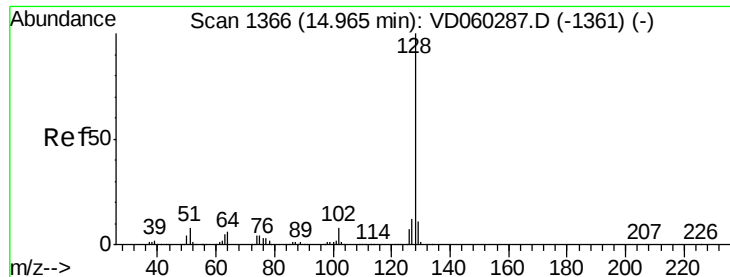
#94
 Hexachlorobutadiene
 Concen: 5.080 ug/l
 RT: 14.89 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VD060284.D
 Acq: 6 Nov 2018 11:07

Tgt Ion:225 Resp: 75529
 Ion Ratio Lower Upper
 225 100
 223 63.0 31.6 94.8
 227 60.5 32.3 96.9



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

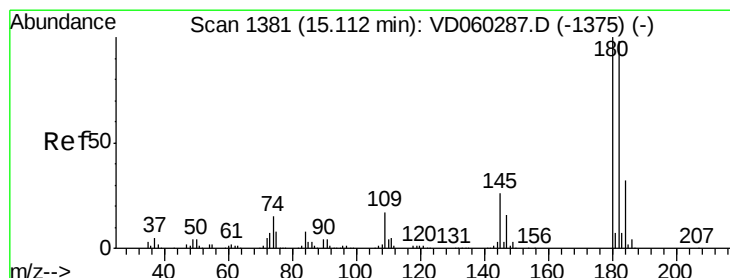
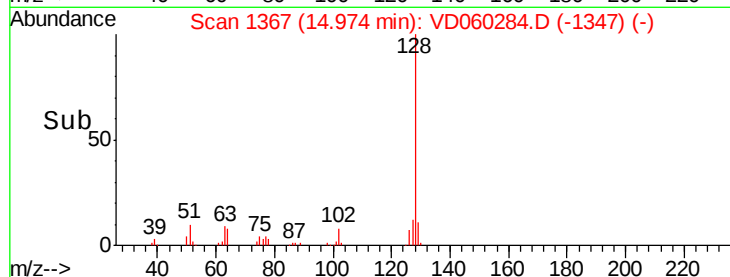
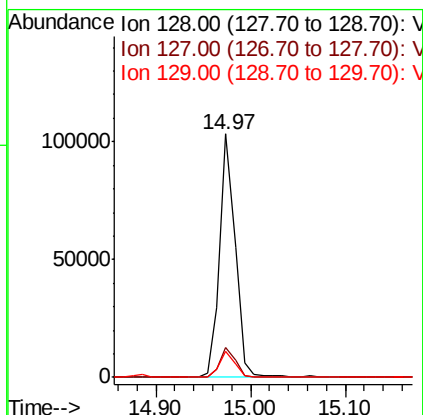
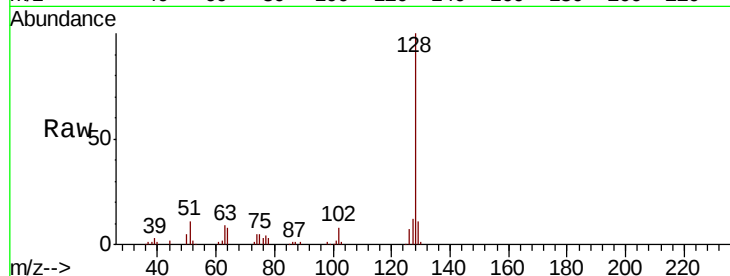




#95
Naphthalene
Concen: 4.747 ug/l
RT: 14.97 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

Instrument :
MSVOA_D
ClientSampled :
BFB

Tgt Ion:128 Resp: 118884
Ion Ratio Lower Upper
128 100
127 12.4 9.6 14.4
129 10.7 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 4.913 ug/l
RT: 15.12 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VD060284.D
Acq: 6 Nov 2018 11:07

Tgt Ion:180 Resp: 79854
Ion Ratio Lower Upper
180 100
182 102.4 48.9 146.7
145 31.3 12.9 38.6

