

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF090618\
 Data File : VF060201.D
 Acq On : 6 Sep 2018 13:38
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: Sep 07 02:00:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 01:56:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	161536	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	224774	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.92	117	240113	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	148277	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.02	65	203742	72.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	145.18%	
35) Dibromofluoromethane	4.29	113	156392	71.29	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	142.58%	
50) Toluene-d8	7.71	98	384151	70.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	140.72%	
62) 4-Bromofluorobenzene	11.50	95	209300	67.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	135.42%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	201711	68.175	ug/l	97
3) Chloromethane	1.07	50	101927	62.708	ug/l	100
4) Vinyl Chloride	1.12	62	84584	68.467	ug/l	95
5) Bromomethane	1.32	94	72893	65.502	ug/l	97
6) Chloroethane	1.40	64	56835	70.605	ug/l	98
7) Trichlorofluoromethane	1.49	101	239365	68.849	ug/l	96
8) Diethyl Ether	1.70	74	36315	70.102	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	1.86	101	119650	70.018	ug/l	92
10) Methyl Iodide	1.92	142	91479	61.154	ug/l #	98
11) Tert butyl alcohol	2.69	59	42102	337.945	ug/l #	88
12) 1,1-Dichloroethene	1.82	96	78238	67.929	ug/l	99
13) Acrolein	2.09	56	18783	284.274	ug/l #	81
14) Allyl chloride	2.19	41	115648	66.923	ug/l	96
15) Acrylonitrile	3.07	53	73086	344.351	ug/l #	92
16) Acetone	2.35	43	193854	317.448	ug/l	99
17) Carbon Disulfide	1.84	76	248646	73.833	ug/l	98
18) Methyl Acetate	2.45	43	73735	74.648	ug/l	95
19) Methyl tert-butyl Ether	2.53	73	269099	70.768	ug/l	100
20) Methylene Chloride	2.28	84	86104	46.768	ug/l	88
21) trans-1,2-Dichloroethene	2.40	96	86200	73.493	ug/l	99
22) Diisopropyl ether	2.93	45	311700	71.803	ug/l #	97
23) Vinyl Acetate	3.33	43	677671	446.135	ug/l	99
24) 1,1-Dichloroethane	3.00	63	197256	69.893	ug/l	99
25) 2-Butanone	4.51	43	256411	329.784	ug/l	95
26) 2,2-Dichloropropane	3.75	77	224367	65.658	ug/l	96
27) cis-1,2-Dichloroethene	3.63	96	106591	70.094	ug/l	98
28) Bromochloromethane	3.88	49	61454	64.593	ug/l	92
29) Tetrahydrofuran	4.26	42	92241	356.348	ug/l	98
30) Chloroform	4.03	83	302378	72.555	ug/l	100
31) Cyclohexane	3.85	56	128374	67.342	ug/l	97
32) 1,1,1-Trichloroethane	4.27	97	289682	70.040	ug/l	98
36) 1,1-Dichloropropene	4.45	75	183554	70.362	ug/l	96
37) Ethyl Acetate	4.29	43	96478	67.206	ug/l #	66
38) Carbon Tetrachloride	4.16	117	264915	72.620	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF090618\
 Data File : VF060201.D
 Acq On : 6 Sep 2018 13:38
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA_F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: Sep 07 02:00:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 07 01:56:36 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	158354	71.848	ug/l	96
40) Benzene	4.80	78	329706	71.052	ug/l	99
41) Methacrylonitrile	4.92	41	47939	70.382	ug/l	95
42) 1,2-Dichloroethane	5.11	62	253717	74.455	ug/l	100
43) Isopropyl Acetate	7.11	43	118099	76.768	ug/l	94
44) Trichloroethene	5.67	130	129671	67.804	ug/l	94
45) 1,2-Dichloropropane	6.40	63	92566	69.748	ug/l	92
46) Dibromomethane	6.25	93	89128	75.152	ug/l	93
47) Bromodichloromethane	6.54	83	244528	76.332	ug/l	95
48) Methyl methacrylate	6.87	41	91668	75.263	ug/l	95
49) 1,4-Dioxane	6.87	88	10870	395.258	ug/l #	88
51) 4-Methyl-2-Pentanone	8.40	43	509993	373.109	ug/l	98
52) Toluene	7.78	92	238534	66.276	ug/l	98
53) t-1,3-Dichloropropene	8.43	75	195595	73.172	ug/l	97
54) cis-1,3-Dichloropropene	7.45	75	196195	71.529	ug/l	95
55) 1,1,2-Trichloroethane	8.63	97	99283	73.384	ug/l	98
56) Ethyl methacrylate	8.75	69	120231	78.920	ug/l	94
57) 1,3-Dichloropropane	9.00	76	171270	71.903	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.78	63	54160	333.524	ug/l	100
59) 2-Hexanone	9.63	43	385736	374.720	ug/l	100
60) Dibromochloromethane	8.86	129	175206	78.576	ug/l	91
61) 1,2-Dibromoethane	9.13	107	123959	76.801	ug/l	91
64) Tetrachloroethene	8.30	164	172969	61.929	ug/l	99
65) Chlorobenzene	9.94	112	341462	69.003	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.06	131	150890	69.102	ug/l	99
67) Ethyl Benzene	10.03	91	625399	68.146	ug/l	98
68) m/p-Xylenes	10.26	106	419370	136.367	ug/l	98
69) o-Xylene	10.82	106	224560	68.042	ug/l	96
70) Styrene	10.90	104	345628	69.239	ug/l	96
71) Bromoform	10.88	173	100855	79.082	ug/l #	95
73) Isopropylbenzene	11.23	105	710277	69.462	ug/l	97
74) N-amyl acetate	11.46	43	153977	90.474	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.78	83	118291	77.022	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	118102	72.706	ug/l	80
77) Bromobenzene	11.59	156	177587	66.567	ug/l	87
78) n-propylbenzene	11.68	91	826248	67.707	ug/l	98
79) 2-Chlorotoluene	11.81	91	504218	68.305	ug/l	100
80) 1,3,5-Trimethylbenzene	11.91	105	628645	69.818	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	52203	99.595	ug/l	98
82) 4-Chlorotoluene	11.99	91	561974	68.669	ug/l	99
83) tert-Butylbenzene	12.21	119	558723	68.490	ug/l	97
84) 1,2,4-Trimethylbenzene	12.28	105	635770	69.281	ug/l	99
85) sec-Butylbenzene	12.38	105	733648	65.488	ug/l	99
86) p-Isopropyltoluene	12.54	119	675560	67.404	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	314762	64.779	ug/l	97
88) 1,4-Dichlorobenzene	12.65	146	326970	68.179	ug/l	98
89) n-Butylbenzene	12.91	91	674828	69.837	ug/l	98
90) Hexachloroethane	12.99	117	147249	72.219	ug/l	99
91) 1,2-Dichlorobenzene	13.02	146	315938	68.143	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.71	75	32152	82.099	ug/l	94

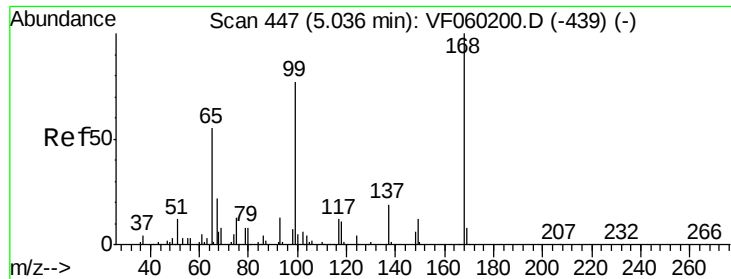
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF090618\
Data File : VF060201.D
Acq On : 6 Sep 2018 13:38
Operator : VA/AP
Sample : VSTDICC075
Misc : 5.00g/5mL/MSVOA_F/SOIL
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC075

Quant Time: Sep 07 02:00:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F090618S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 07 01:56:36 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	256877	71.850	ug/l	99
94) Hexachlorobutadiene	14.25	225	183486	71.730	ug/l	98
95) Naphthalene	14.52	128	388674	77.773	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	248337	74.193	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 447

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

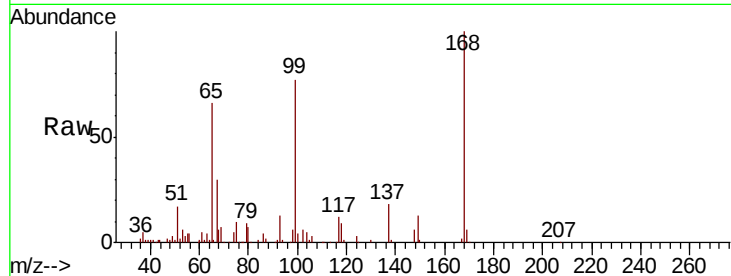
VSTDIC075

Tgt Ion:168 Resp: 161536

Ion Ratio Lower Upper

168 100

99 76.5 61.8 92.6



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

60000

50000

40000

30000

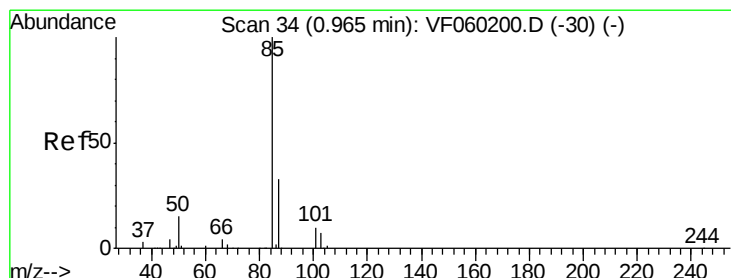
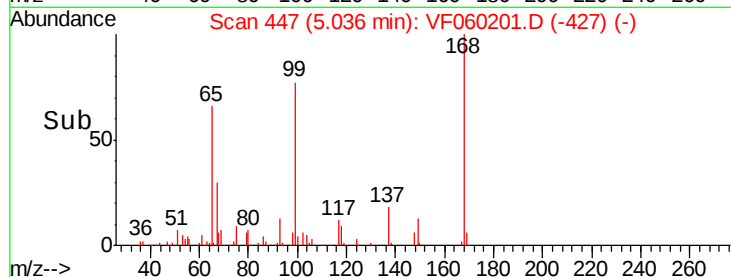
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: 68.175 ug/l

RT: 0.96 min Scan# 33

Delta R.T. -0.01 min

Lab File: VF060201.D

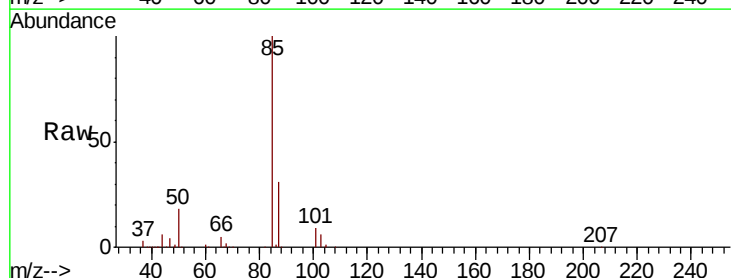
Acq: 6 Sep 2018 13:38

Tgt Ion: 85 Resp: 201711

Ion Ratio Lower Upper

85 100

87 30.9 16.3 48.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

120000

100000

80000

60000

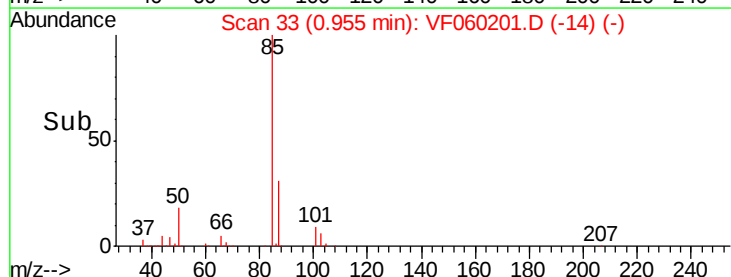
40000

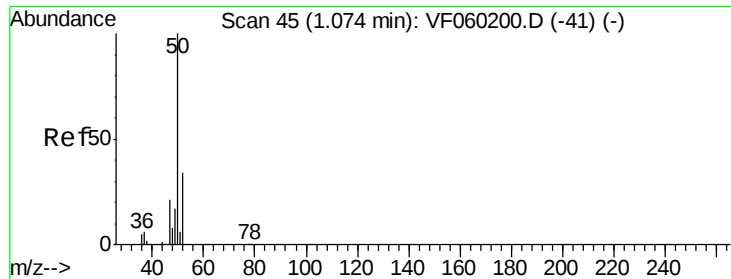
20000

0

0.90 1.00 1.10

Time-->





#3

Chloromethane

Concen: 62.708 ug/l

RT: 1.07 min Scan# 45

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

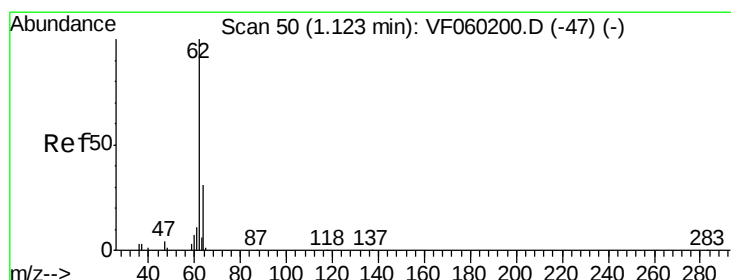
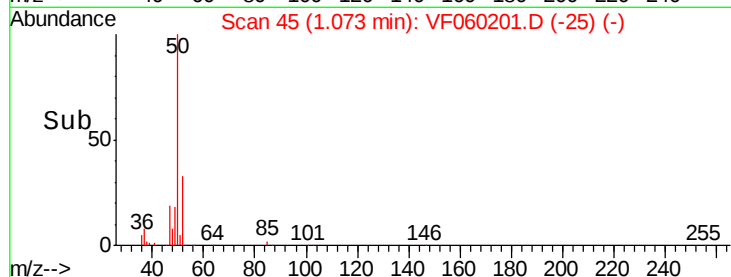
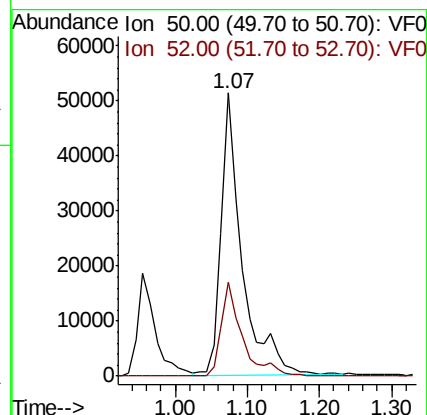
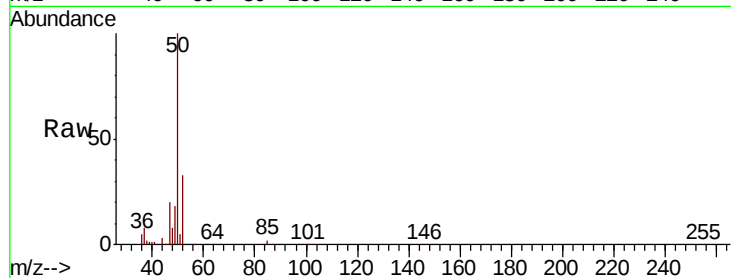
VSTDIC075

Tgt Ion: 50 Resp: 101927

Ion Ratio Lower Upper

50 100

52 33.3 26.9 40.3



#4

Vinyl Chloride

Concen: 68.467 ug/l

RT: 1.12 min Scan# 50

Delta R.T. -0.00 min

Lab File: VF060201.D

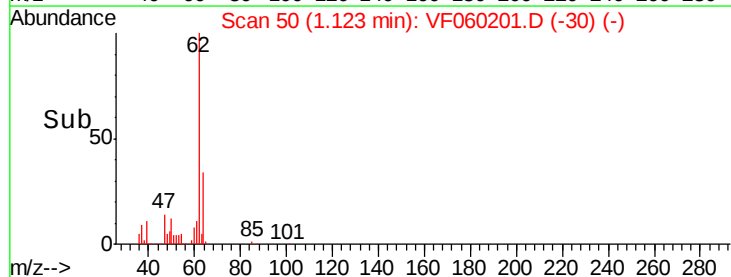
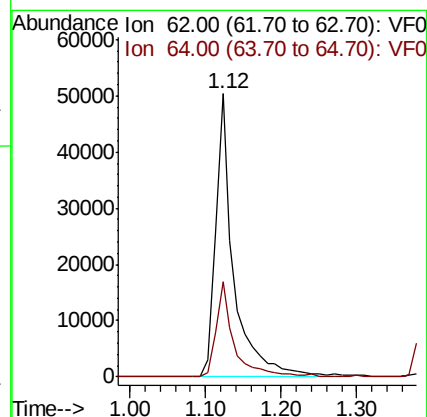
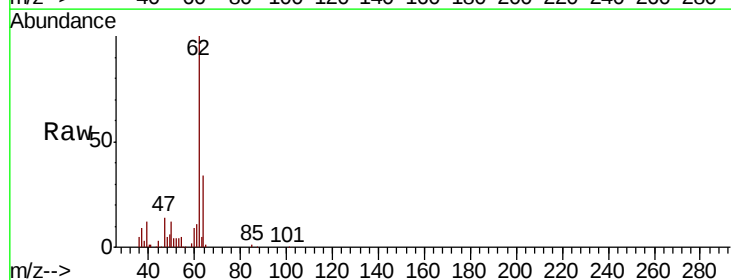
Acq: 6 Sep 2018 13:38

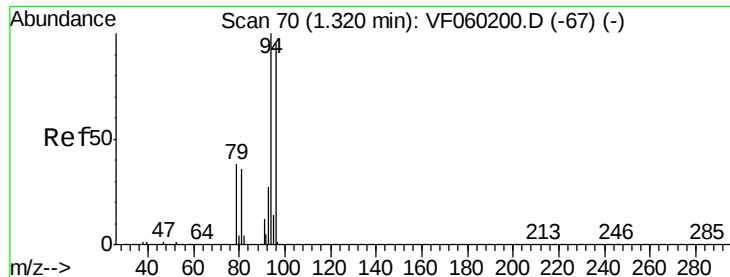
Tgt Ion: 62 Resp: 84584

Ion Ratio Lower Upper

62 100

64 33.9 24.8 37.2





#5

Bromomethane

Concen: 65.502 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

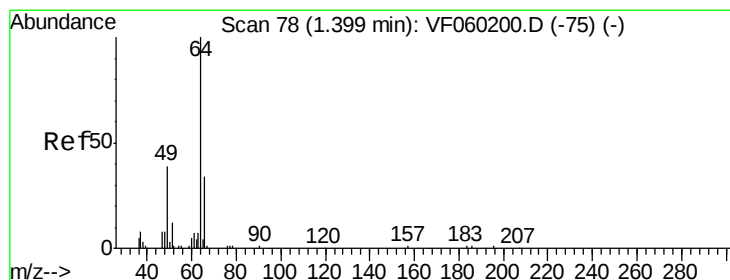
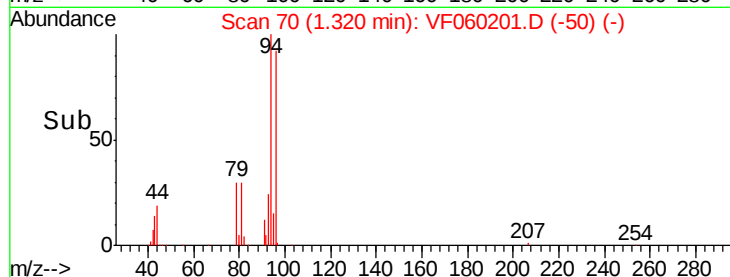
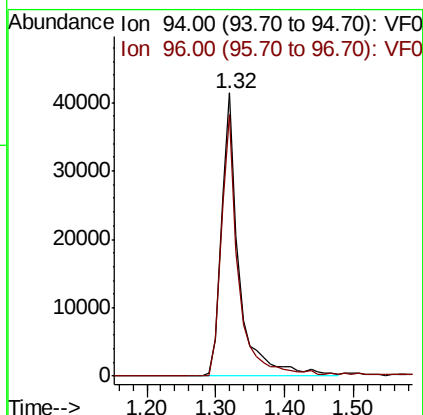
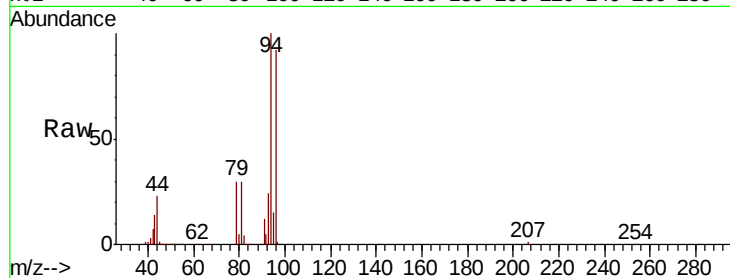
VSTDIC075

Tgt Ion: 94 Resp: 72893

Ion Ratio Lower Upper

94 100

96 92.2 75.8 113.6



#6

Chloroethane

Concen: 70.605 ug/l

RT: 1.40 min Scan# 78

Delta R.T. -0.00 min

Lab File: VF060201.D

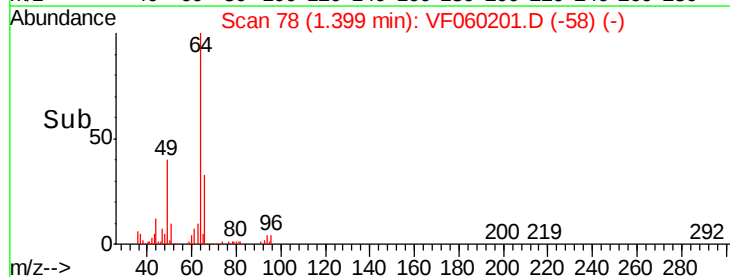
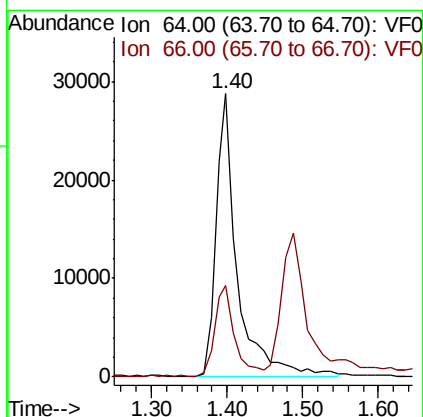
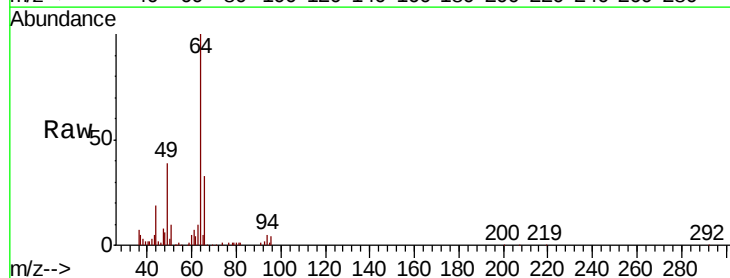
Acq: 6 Sep 2018 13:38

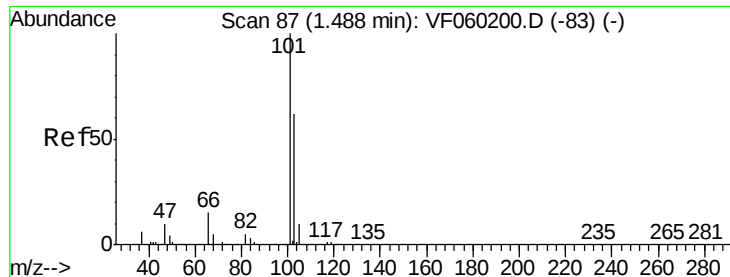
Tgt Ion: 64 Resp: 56835

Ion Ratio Lower Upper

64 100

66 32.5 27.1 40.7





#7

Trichlorofluoromethane

Concen: 68.849 ug/l

RT: 1.49 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

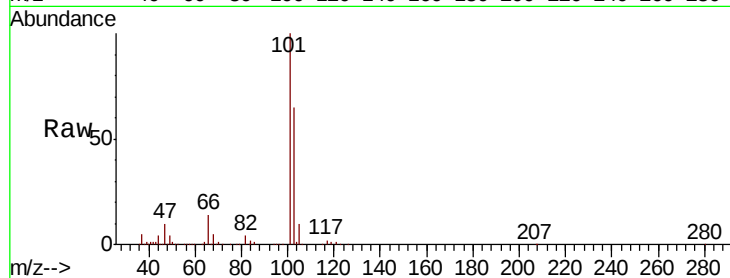
VSTDIC075

Tgt Ion: 101 Resp: 239365

Ion Ratio Lower Upper

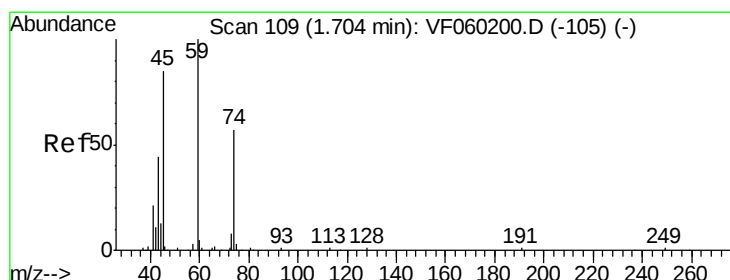
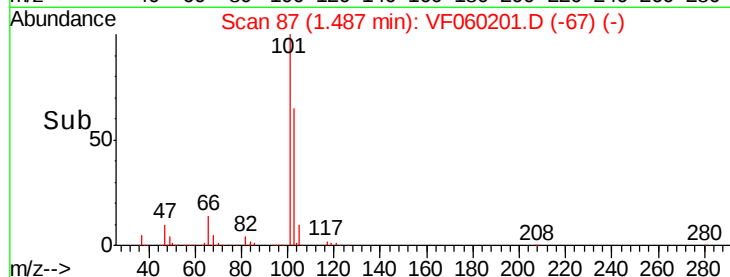
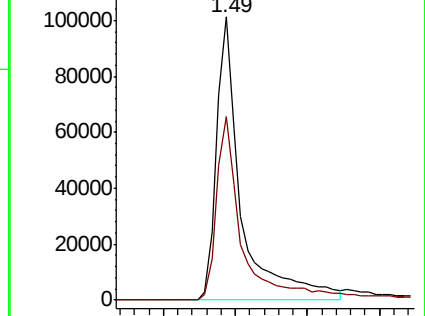
101 100

103 65.0 49.5 74.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 70.102 ug/l

RT: 1.70 min Scan# 109

Delta R.T. -0.00 min

Lab File: VF060201.D

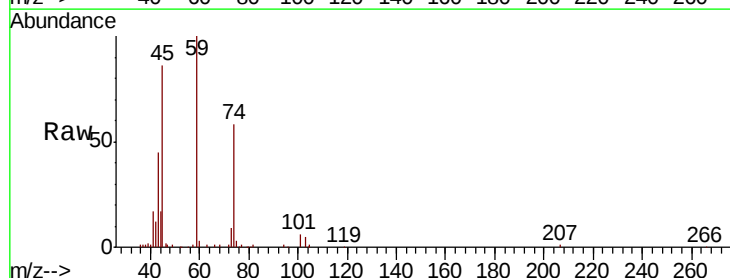
Acq: 6 Sep 2018 13:38

Tgt Ion: 74 Resp: 36315

Ion Ratio Lower Upper

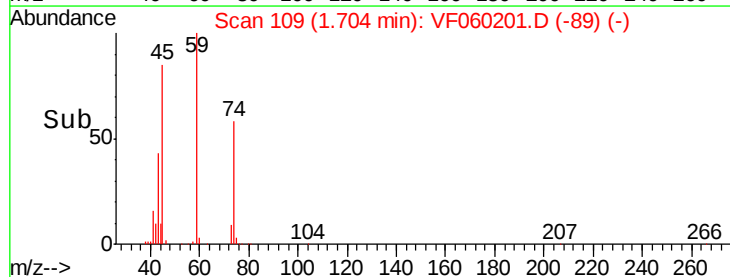
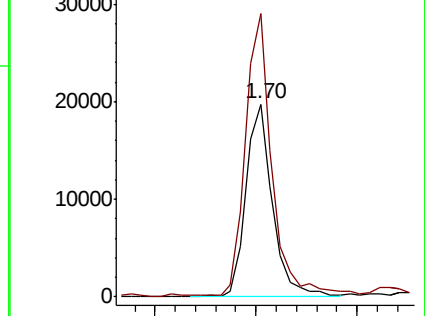
74 100

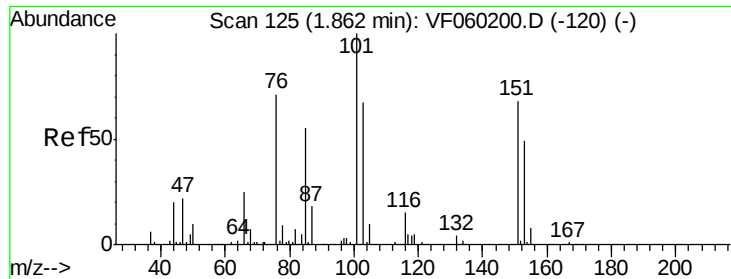
45 147.0 75.3 225.7



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 70.018 ug/l

RT: 1.86 min Scan# 125

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

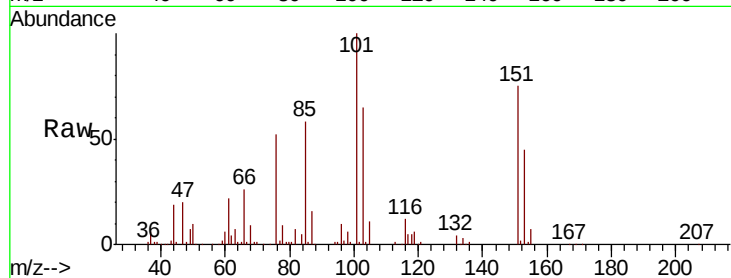
Tgt Ion:101 Resp: 119650

Ion Ratio Lower Upper

101 100

85 58.2 43.0 64.4

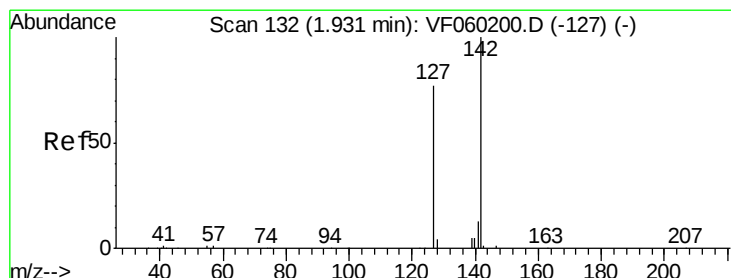
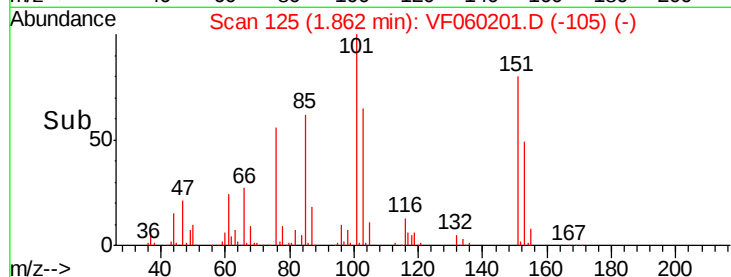
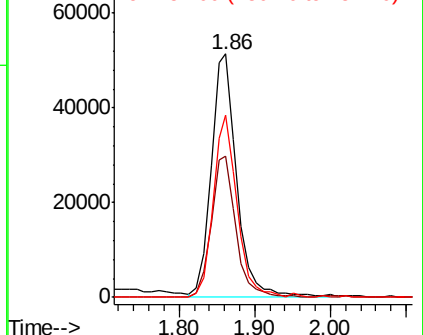
151 74.8 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 61.154 ug/l

RT: 1.92 min Scan# 131

Delta R.T. -0.01 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

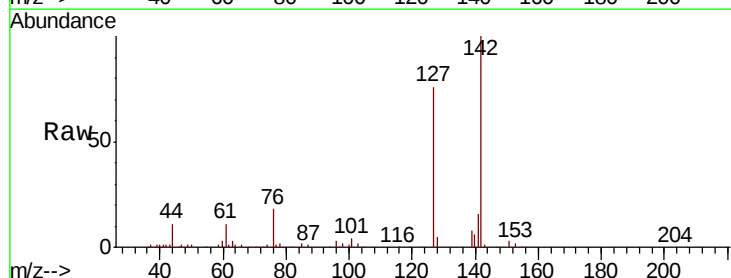
Tgt Ion:142 Resp: 91479

Ion Ratio Lower Upper

142 100

127 75.9 61.1 91.7

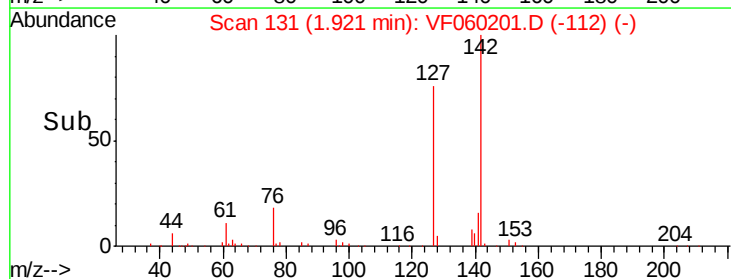
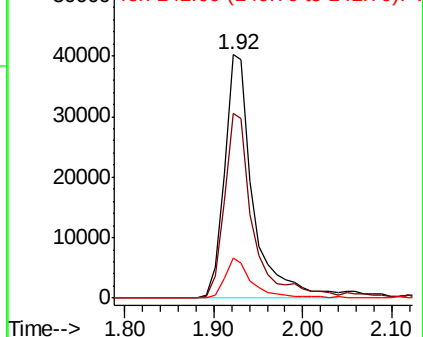
141 16.5 10.6 15.8#

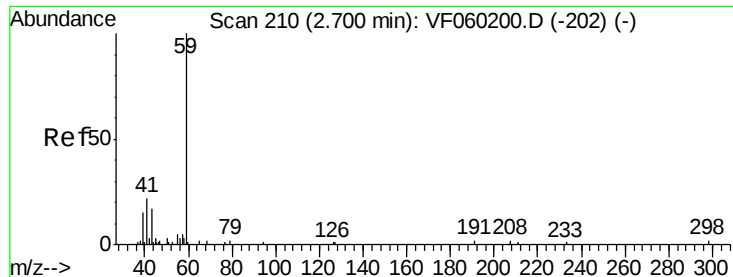


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

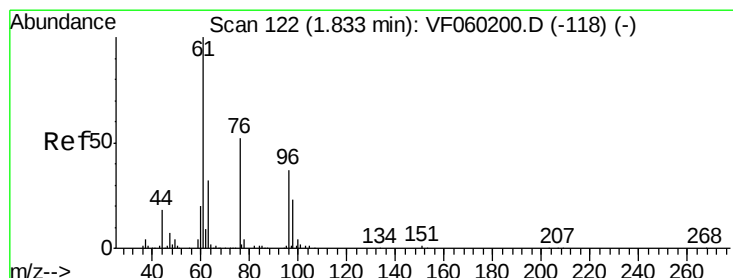
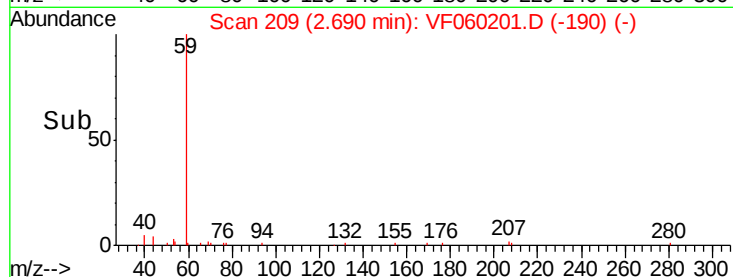
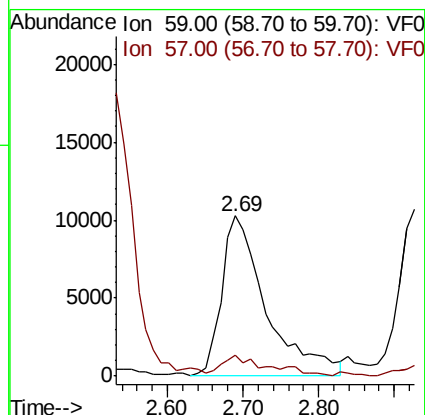
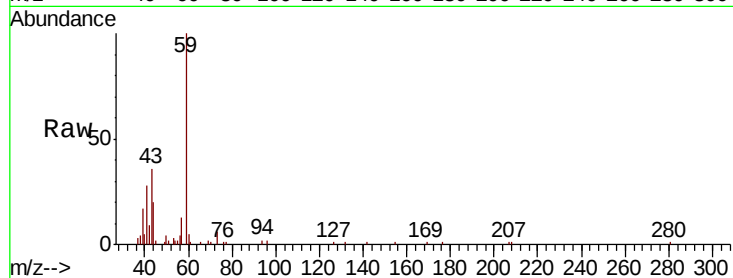




#11
Tert butyl alcohol
Concen: 337.945 ug/l
RT: 2.69 min Scan# 209
Delta R.T. -0.01 min
Lab File: VF060201.D
Acq: 6 Sep 2018 13:38

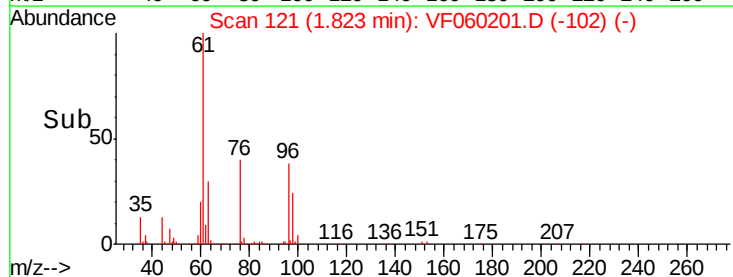
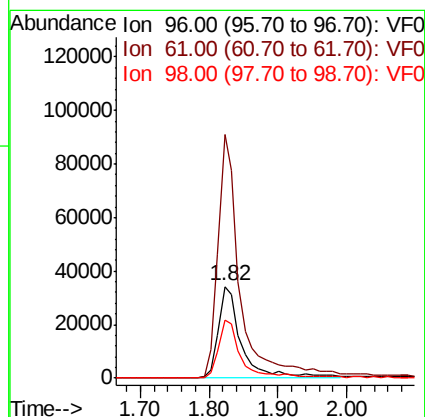
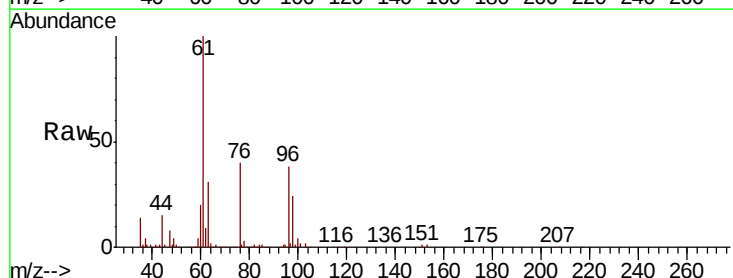
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

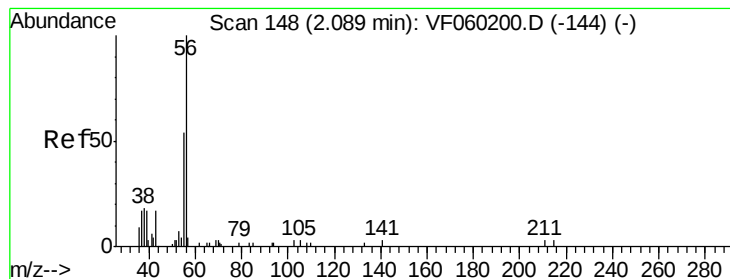
Tgt Ion: 59 Resp: 42102
Ion Ratio Lower Upper
59 100
57 13.2 7.2 10.8#



#12
1,1-Dichloroethene
Concen: 67.929 ug/l
RT: 1.82 min Scan# 121
Delta R.T. -0.01 min
Lab File: VF060201.D
Acq: 6 Sep 2018 13:38

Tgt Ion: 96 Resp: 78238
Ion Ratio Lower Upper
96 100
61 265.5 214.6 321.8
98 63.4 50.7 76.1





#13

Acrolein

Concen: 284.274 ug/l

RT: 2.09 min Scan# 148

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

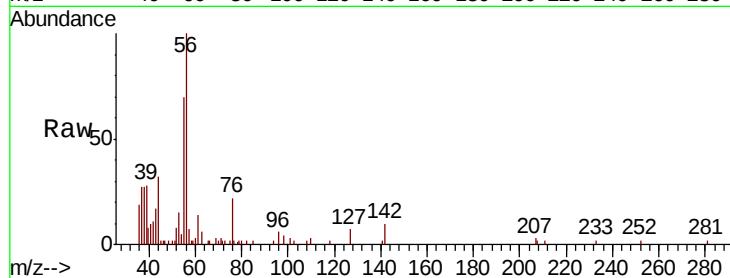
VSTDIC075

Tgt Ion: 56 Resp: 18783

Ion Ratio Lower Upper

56 100

55 70.4 45.1 67.7#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2.09

8000

6000

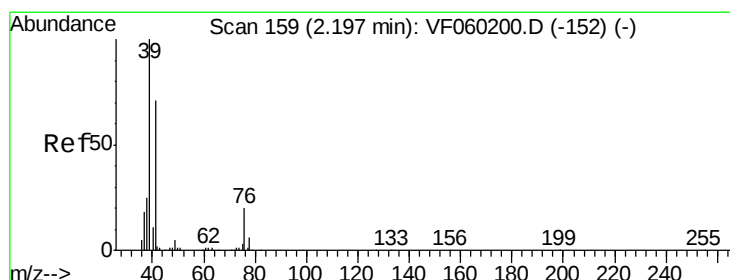
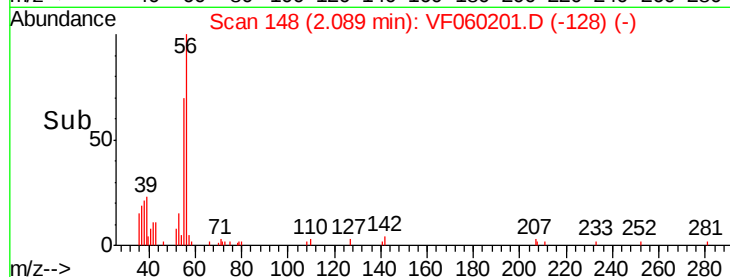
4000

2000

0

Time-->

2.00 2.05 2.10 2.15 2.20



#14

Allyl chloride

Concen: 66.923 ug/l

RT: 2.19 min Scan# 158

Delta R.T. -0.01 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

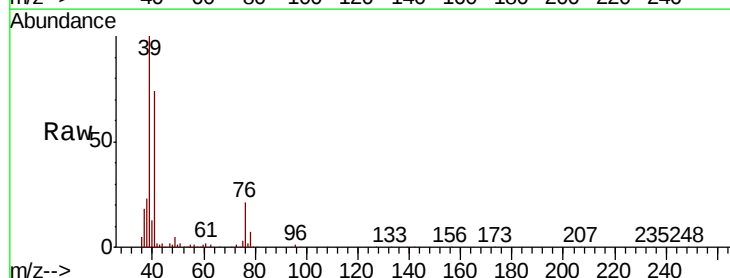
Tgt Ion: 41 Resp: 115648

Ion Ratio Lower Upper

41 100

39 135.2 112.2 168.2

76 27.9 23.2 34.8



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0

80000

60000

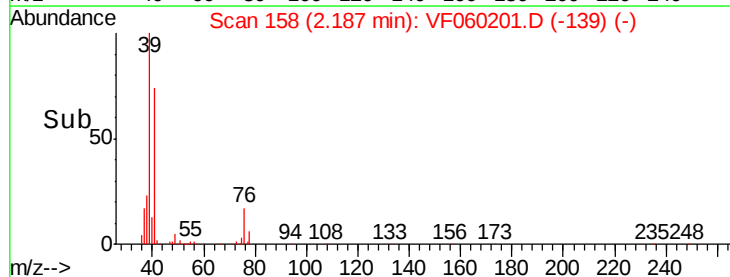
40000

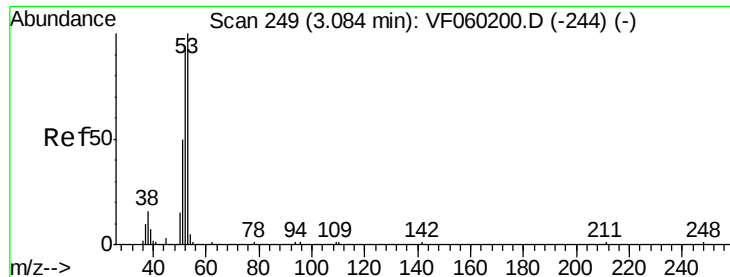
20000

0

Time-->

2.10 2.20 2.30





#15

Acrylonitrile

Concen: 344.351 ug/l

RT: 3.07 min Scan# 248

Delta R.T. -0.01 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

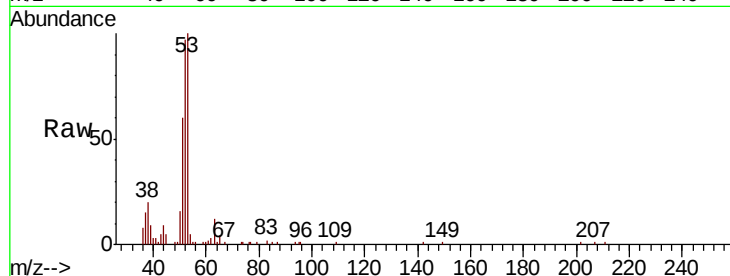
Tgt Ion: 53 Resp: 73086

Ion Ratio Lower Upper

53 100

52 97.4 75.0 112.6

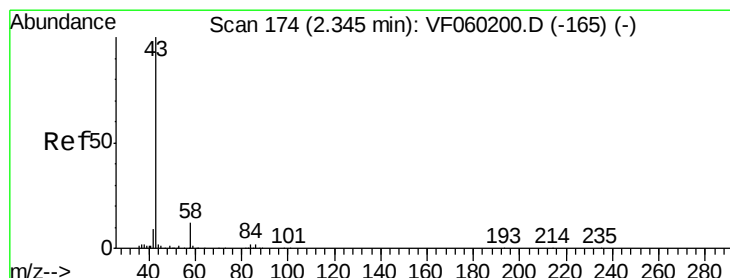
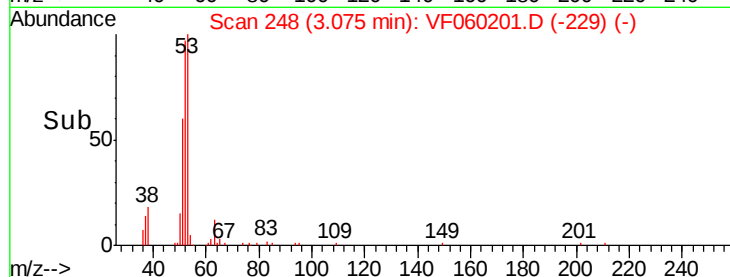
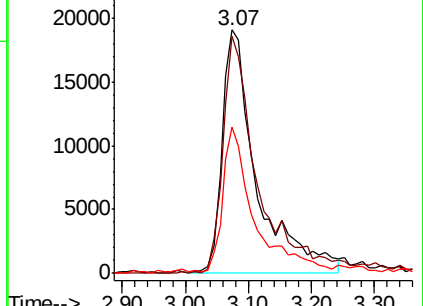
51 60.3 39.9 59.9#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 317.448 ug/l

RT: 2.35 min Scan# 174

Delta R.T. -0.00 min

Lab File: VF060201.D

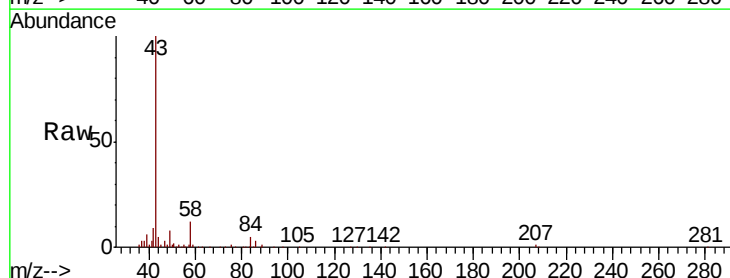
Acq: 6 Sep 2018 13:38

Tgt Ion: 43 Resp: 193854

Ion Ratio Lower Upper

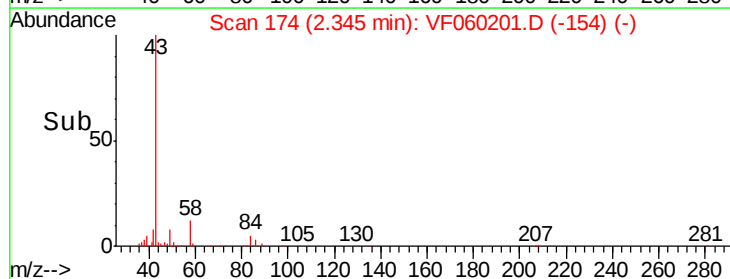
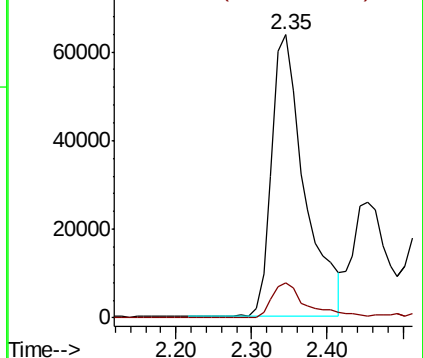
43 100

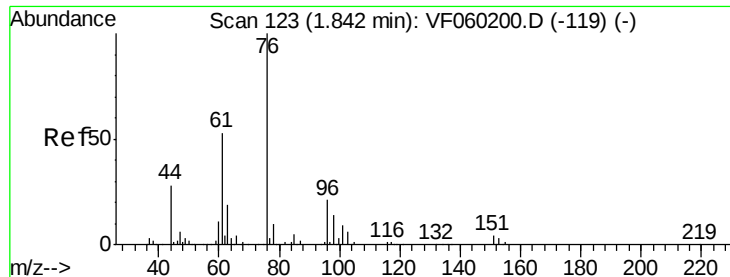
58 12.5 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

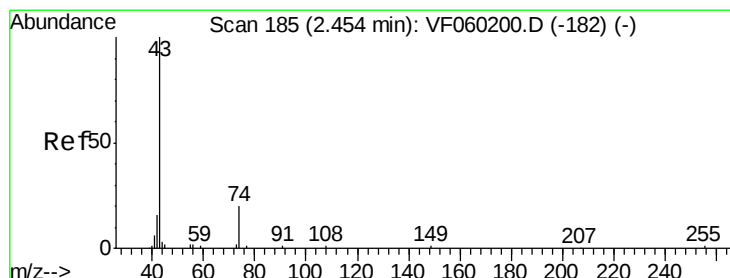
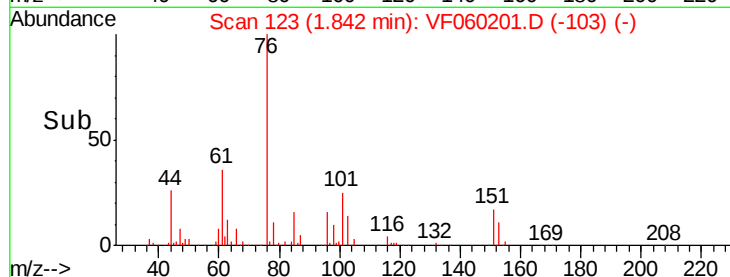
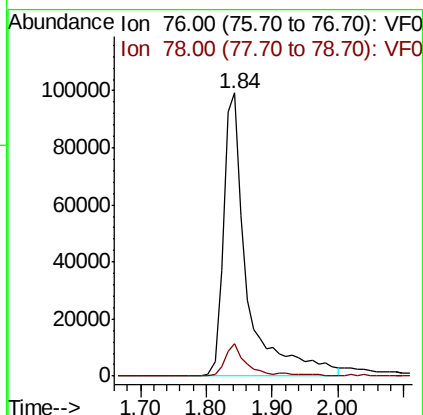
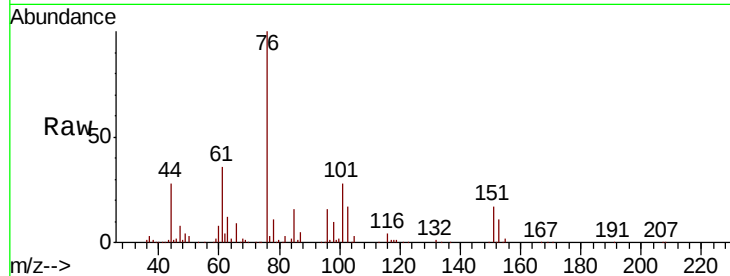




#17
Carbon Disulfide
Concen: 73.833 ug/l
RT: 1.84 min Scan# 123
Delta R.T. -0.00 min
Lab File: VF060201.D
Acq: 6 Sep 2018 13:38

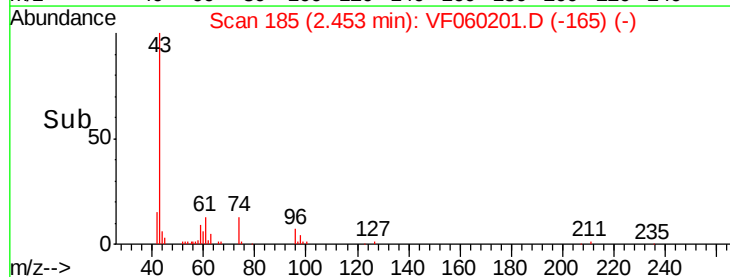
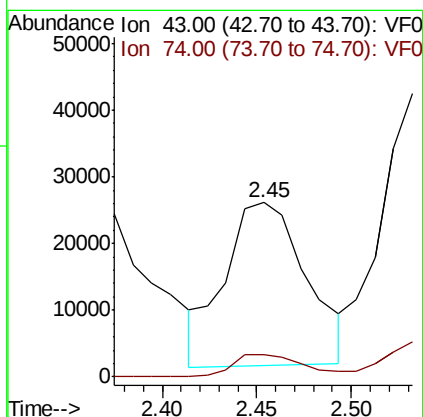
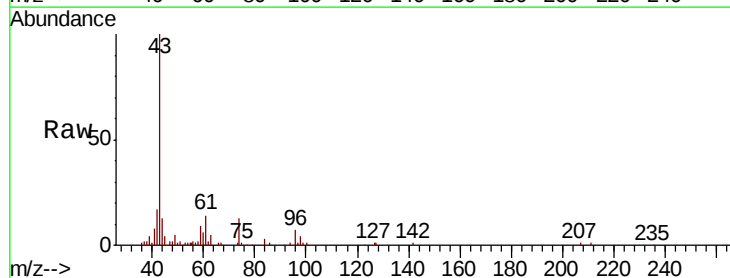
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

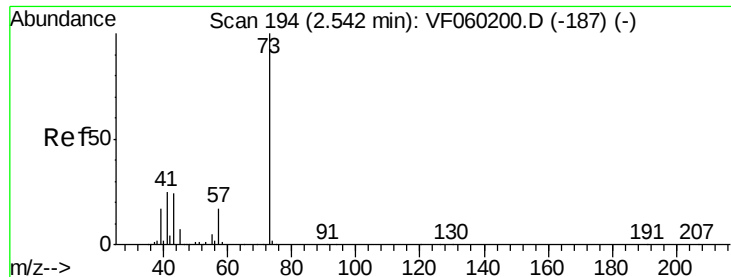
Tgt Ion: 76 Resp: 248646
Ion Ratio Lower Upper
76 100
78 11.4 8.5 12.7



#18
Methyl Acetate
Concen: 74.648 ug/l
RT: 2.45 min Scan# 185
Delta R.T. -0.00 min
Lab File: VF060201.D
Acq: 6 Sep 2018 13:38

Tgt Ion: 43 Resp: 73735
Ion Ratio Lower Upper
43 100
74 12.8 11.9 17.9





#19

Methyl tert-butyl Ether

Concen: 70.768 ug/l

RT: 2.53 min Scan# 193

Delta R.T. -0.01 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

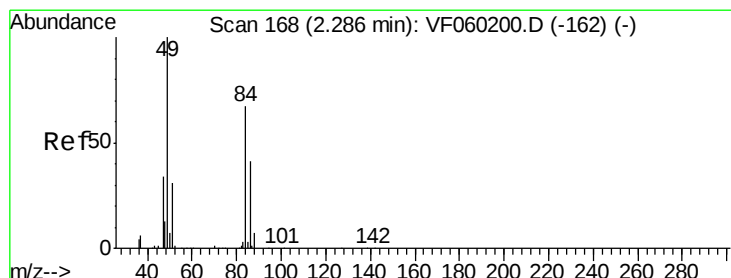
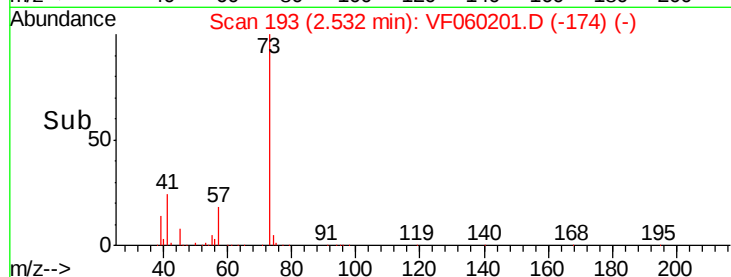
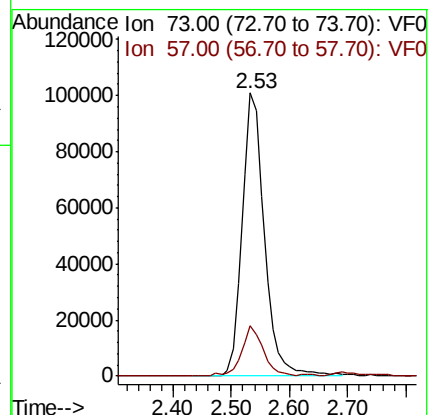
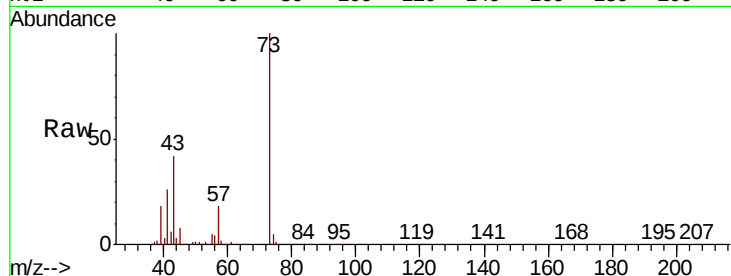
VSTDIC075

Tgt Ion: 73 Resp: 269099

Ion Ratio Lower Upper

73 100

57 18.0 14.3 21.5



#20

Methylene Chloride

Concen: 46.768 ug/l

RT: 2.28 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Tgt Ion: 84 Resp: 86104

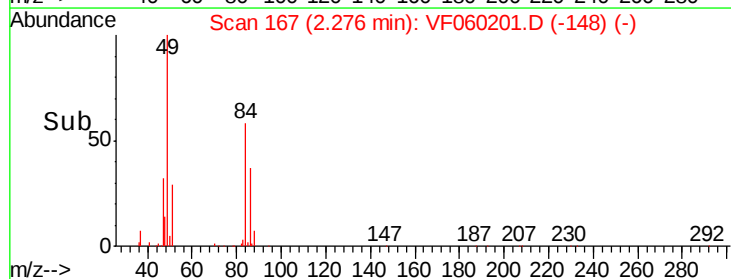
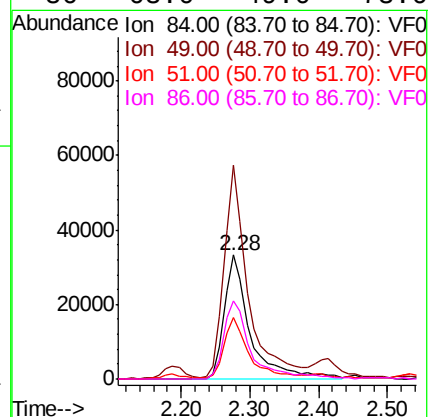
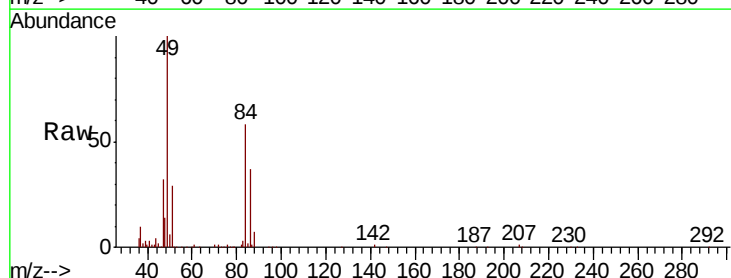
Ion Ratio Lower Upper

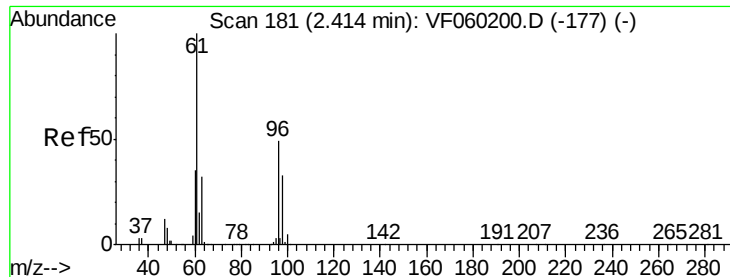
84 100

49 172.6 120.1 180.1

51 50.2 37.0 55.6

86 63.0 49.0 73.6





#21

trans-1,2-Dichloroethene

Concen: 73.493 ug/l

RT: 2.40 min Scan# 180

Delta R.T. -0.01 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

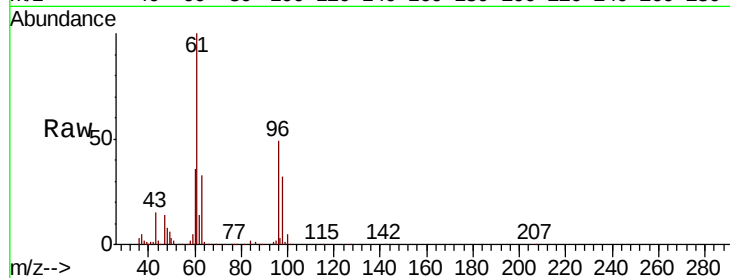
Tgt Ion: 96 Resp: 86200

Ion Ratio Lower Upper

96 100

61 204.8 163.1 244.7

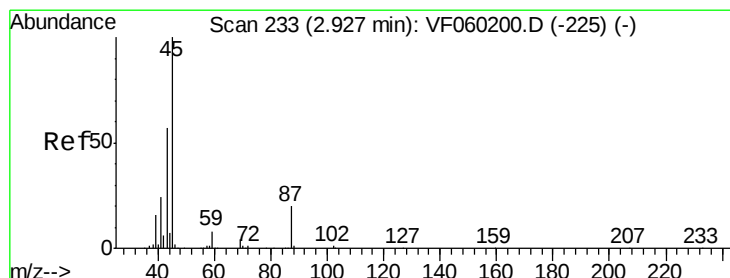
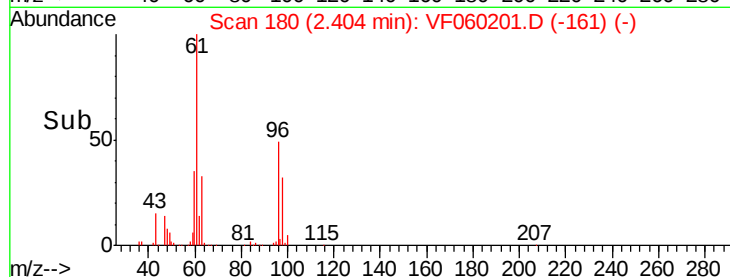
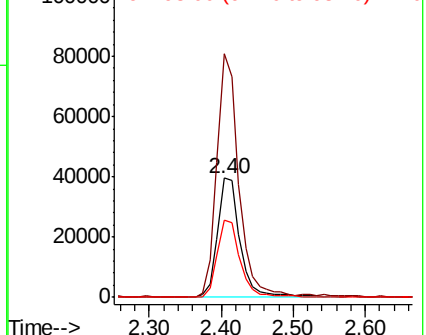
98 64.7 54.1 81.1



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#22

Diisopropyl ether

Concen: 71.803 ug/l

RT: 2.93 min Scan# 233

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Tgt Ion: 45 Resp: 311700

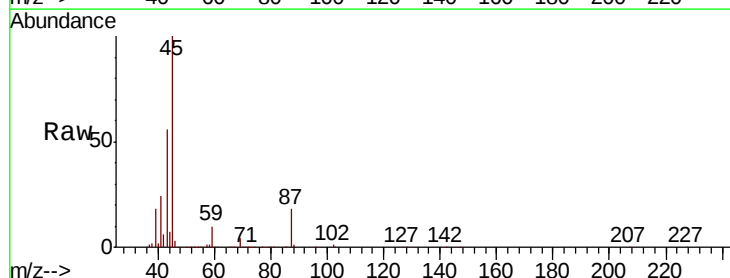
Ion Ratio Lower Upper

45 100

43 55.8 46.2 69.4

87 17.8 16.1 24.1

59 9.8 6.5 9.7#

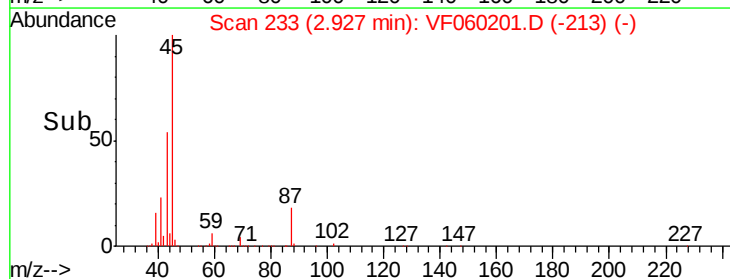
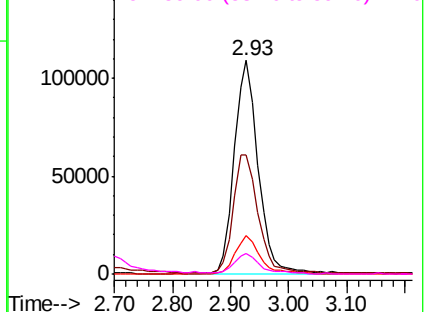


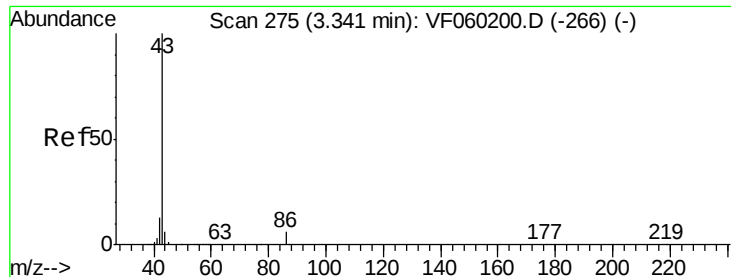
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 446.135 ug/l

RT: 3.33 min Scan# 274

Delta R.T. -0.01 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

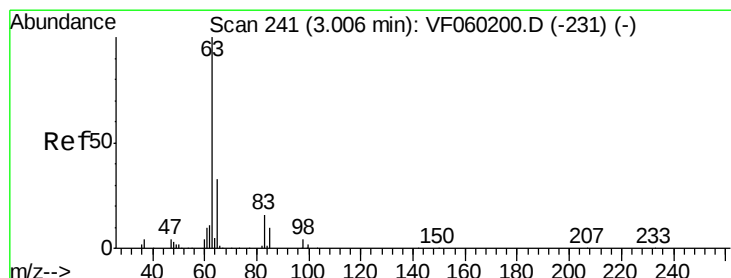
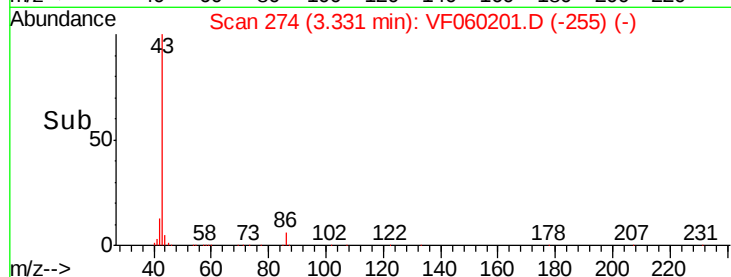
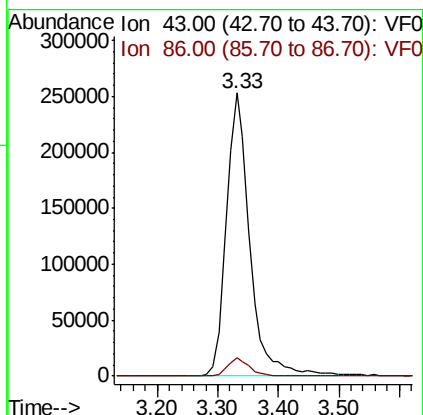
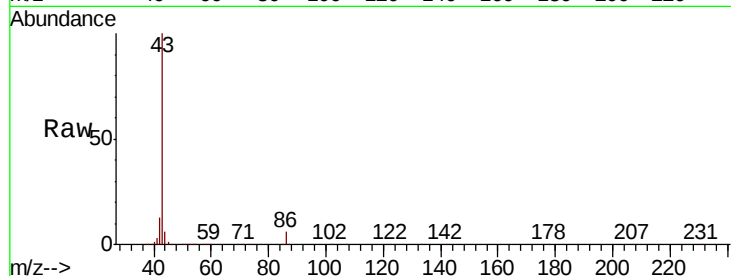
VSTDIC075

Tgt Ion: 43 Resp: 677671

Ion Ratio Lower Upper

43 100

86 6.4 4.8 7.2



#24

1,1-Dichloroethane

Concen: 69.893 ug/l

RT: 3.00 min Scan# 240

Delta R.T. -0.01 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

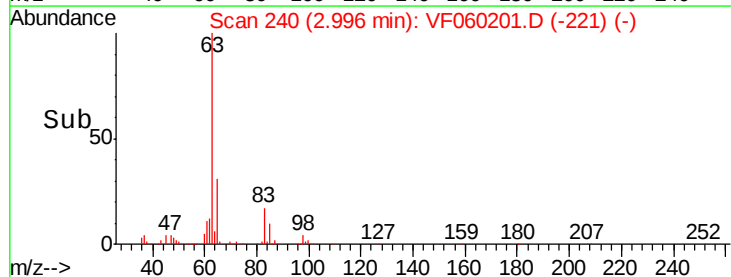
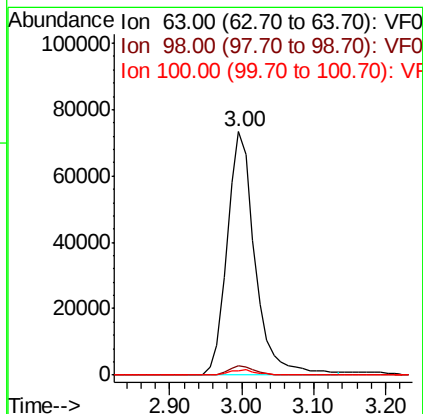
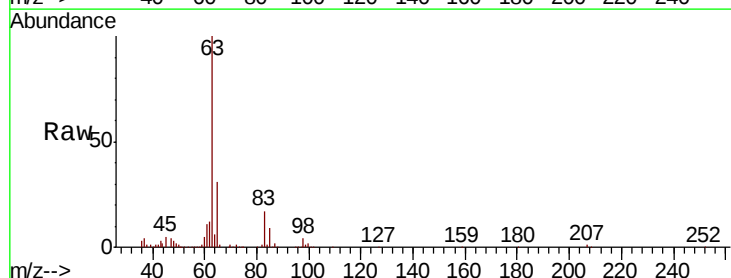
Tgt Ion: 63 Resp: 197256

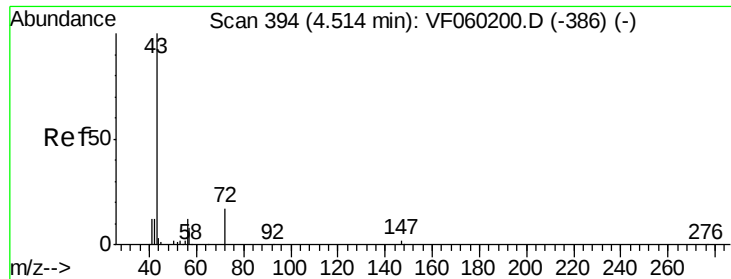
Ion Ratio Lower Upper

63 100

98 3.9 1.9 5.7

100 1.9 1.1 3.1





#25

2-Butanone

Concen: 329.784 ug/l

RT: 4.51 min Scan# 394

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

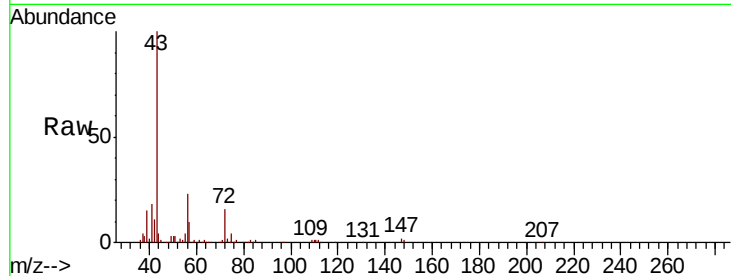
VSTDIC075

Tgt Ion: 43 Resp: 256411

Ion Ratio Lower Upper

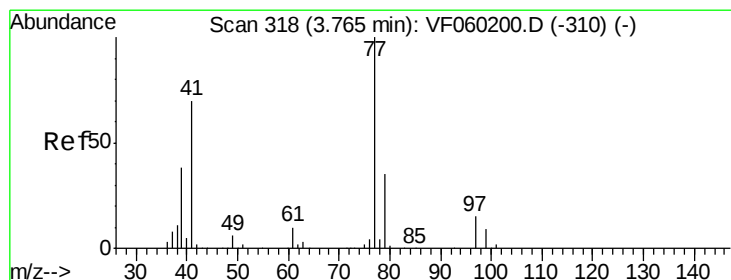
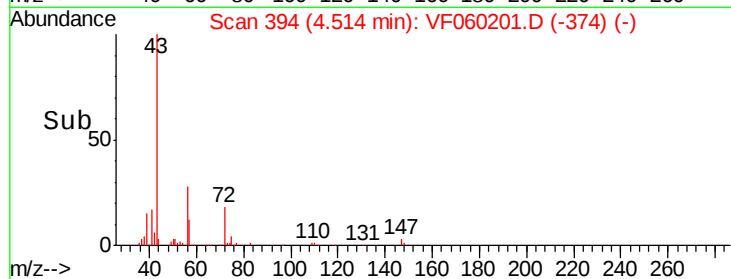
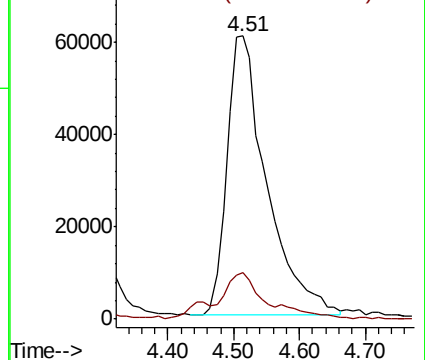
43 100

72 16.4 14.8 22.2



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 65.658 ug/l

RT: 3.75 min Scan# 317

Delta R.T. -0.01 min

Lab File: VF060201.D

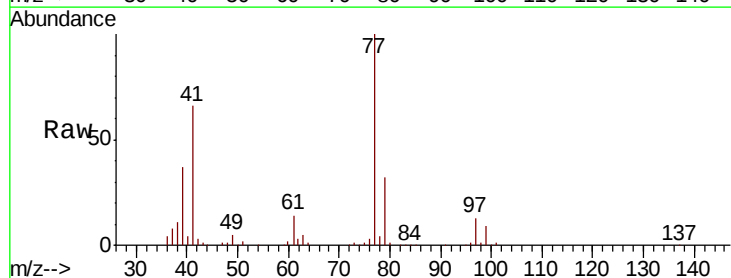
Acq: 6 Sep 2018 13:38

Tgt Ion: 77 Resp: 224367

Ion Ratio Lower Upper

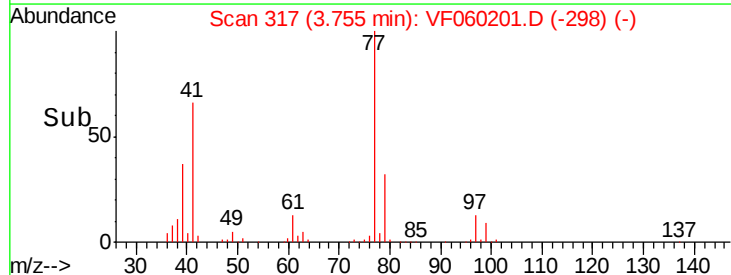
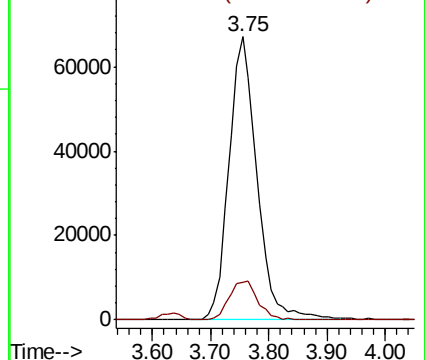
77 100

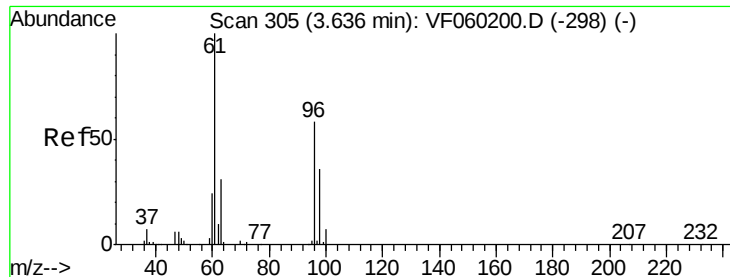
97 13.4 7.5 22.5



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



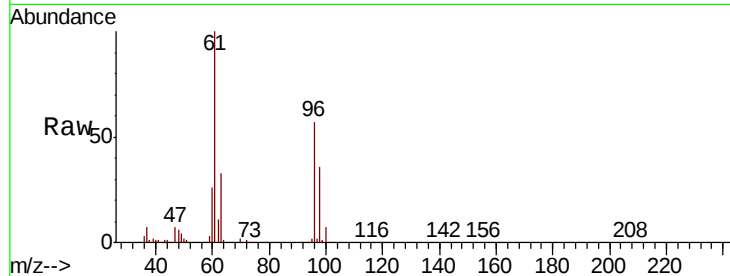


#27

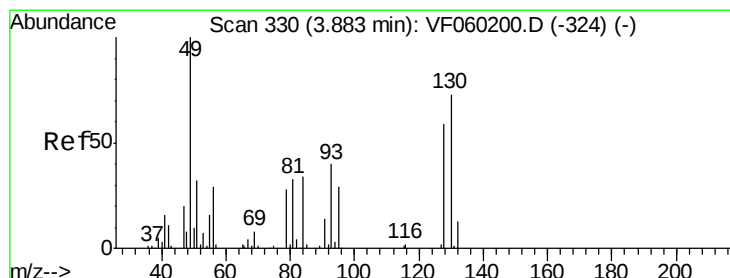
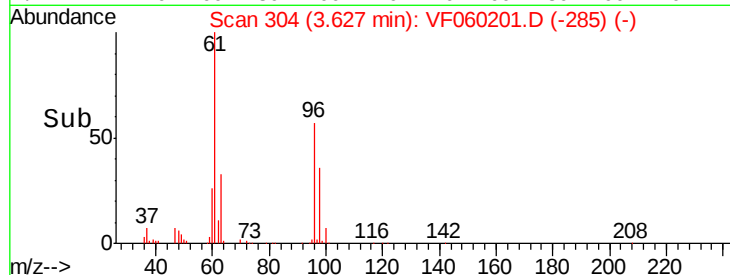
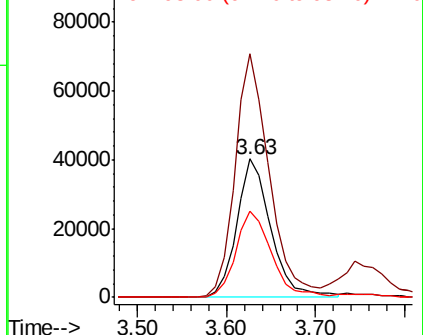
cis-1,2-Dichloroethene
 Concen: 70.094 ug/l
 RT: 3.63 min Scan# 304
 Delta R.T. -0.01 min
 Lab File: VF060201.D
 Acq: 6 Sep 2018 13:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion	Ratio	Lower	Upper
96	100		
61	176.0	0.0	345.2
98	62.6	0.0	124.6



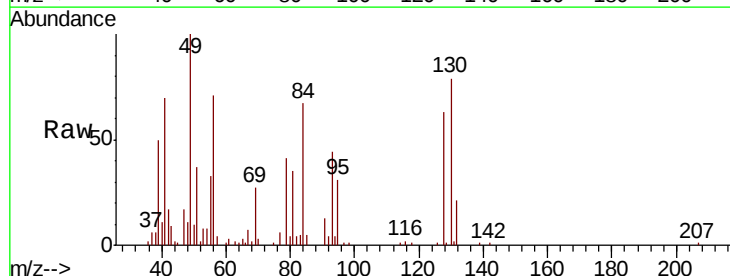
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



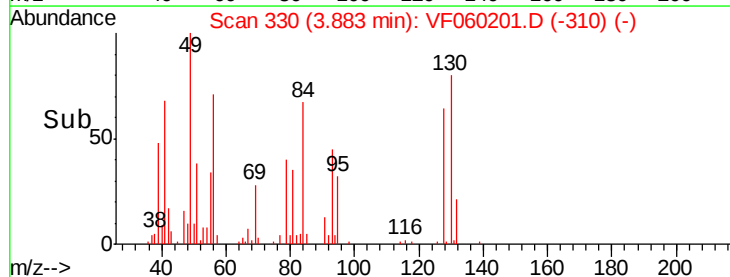
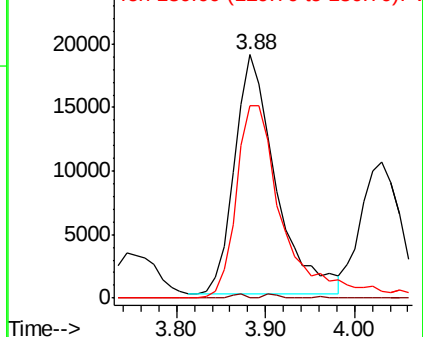
#28

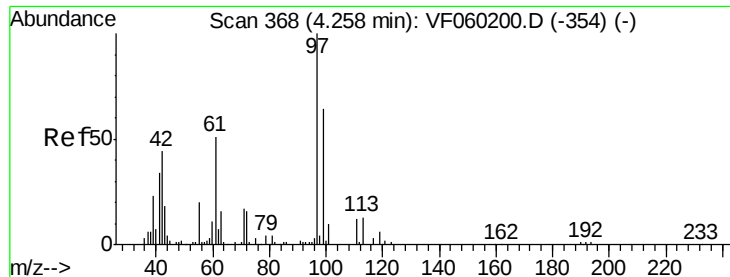
Bromochloromethane
 Concen: 64.593 ug/l
 RT: 3.88 min Scan# 330
 Delta R.T. -0.00 min
 Lab File: VF060201.D
 Acq: 6 Sep 2018 13:38

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	0.0
130	79.1	57.8	86.6



Abundance Ion 49.00 (48.70 to 49.70): VF0
 Ion 129.00 (128.70 to 129.70): V
 Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 356.348 ug/l

RT: 4.26 min Scan# 368

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

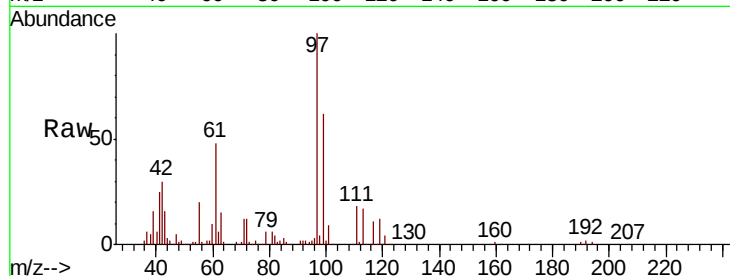
Tgt Ion: 42 Resp: 92241

Ion Ratio Lower Upper

42 100

72 33.9 27.4 41.0

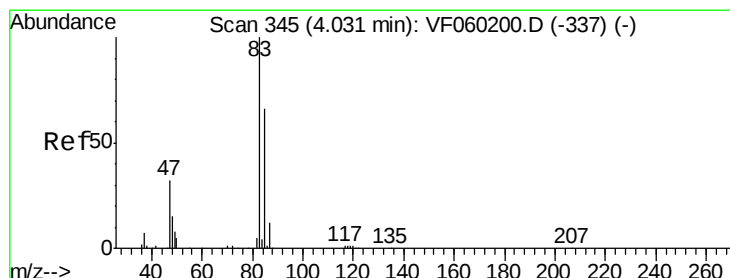
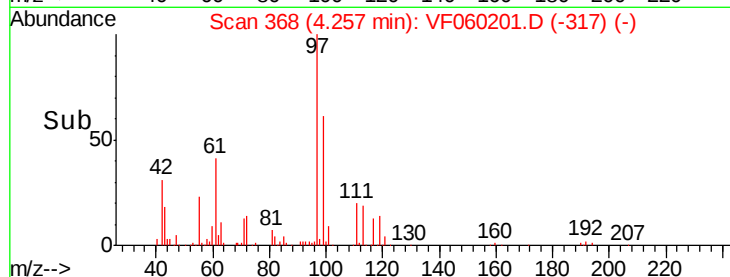
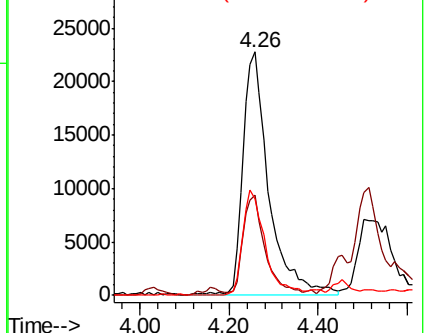
71 37.3 28.5 42.7



Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 72.555 ug/l

RT: 4.03 min Scan# 345

Delta R.T. -0.00 min

Lab File: VF060201.D

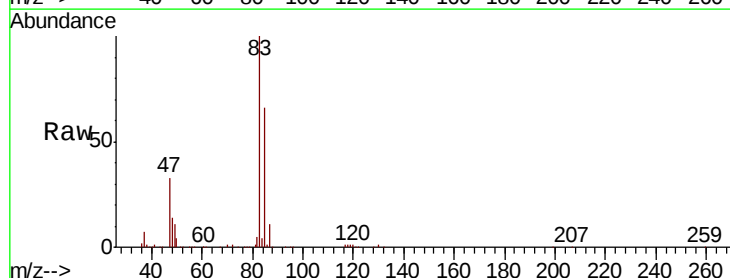
Acq: 6 Sep 2018 13:38

Tgt Ion: 83 Resp: 302378

Ion Ratio Lower Upper

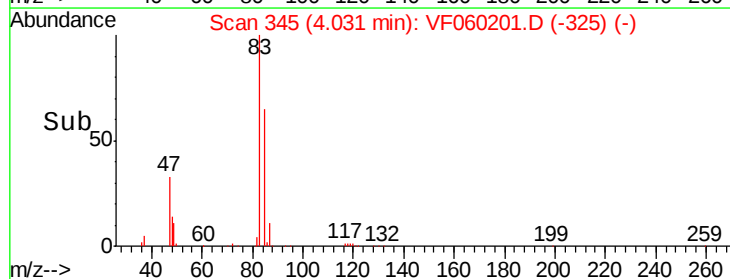
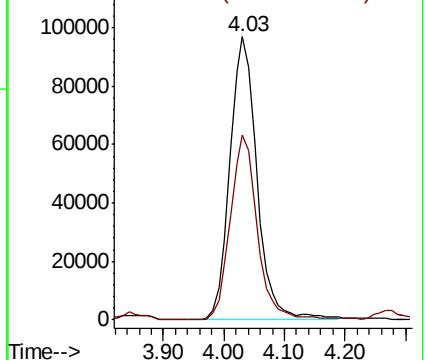
83 100

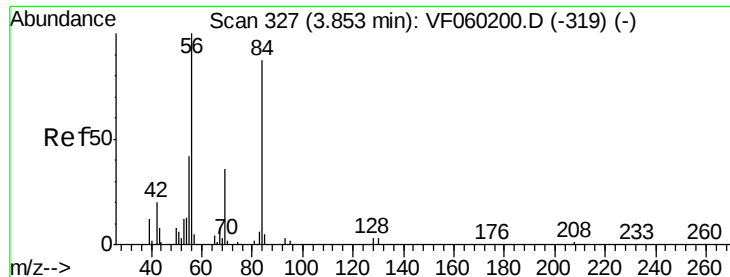
85 65.5 52.6 79.0



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

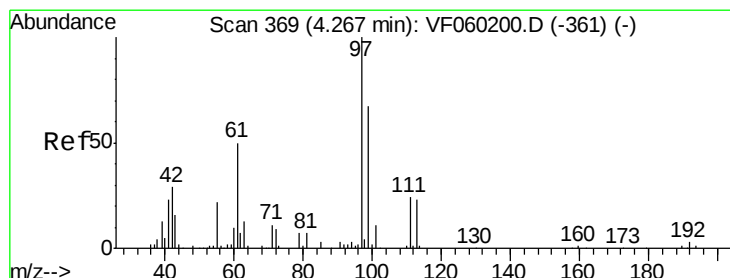
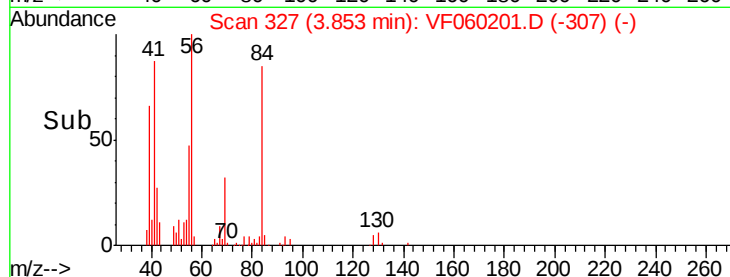
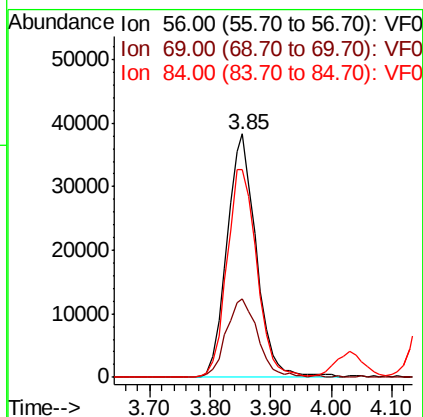
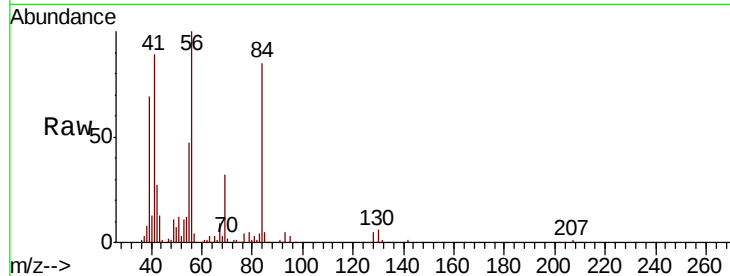




#31
Cyclohexane
Concen: 67.342 ug/l
RT: 3.85 min Scan# 327
Delta R.T. -0.00 min
Lab File: VF060201.D
Acq: 6 Sep 2018 13:38

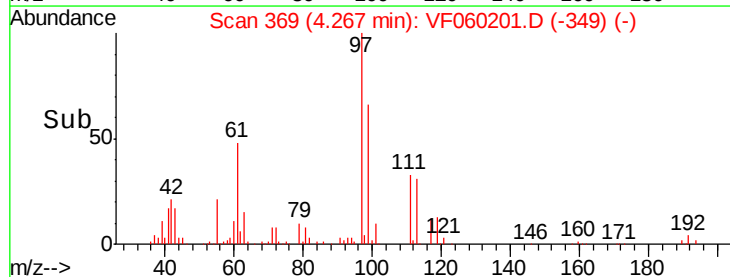
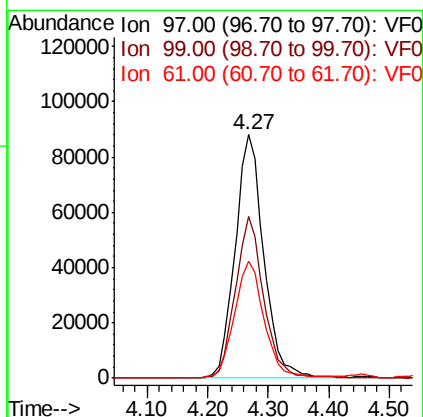
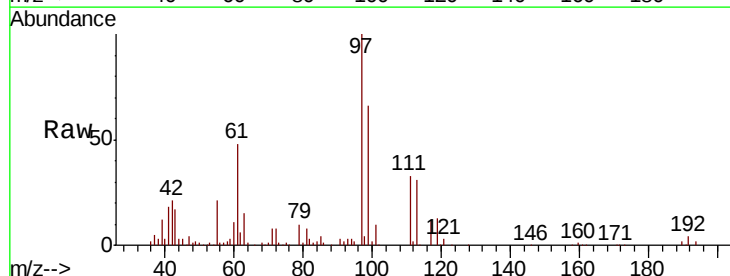
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

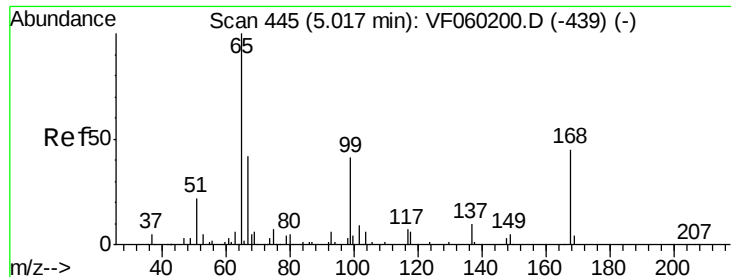
Tgt Ion: 56 Resp: 128374
Ion Ratio Lower Upper
56 100
69 32.1 28.7 43.1
84 85.4 69.7 104.5



#32
1,1,1-Trichloroethane
Concen: 70.040 ug/l
RT: 4.27 min Scan# 369
Delta R.T. -0.00 min
Lab File: VF060201.D
Acq: 6 Sep 2018 13:38

Tgt Ion: 97 Resp: 289682
Ion Ratio Lower Upper
97 100
99 66.3 53.5 80.3
61 48.2 40.4 60.6





#33

1,2-Dichloroethane-d4

Concen: 72.585 ug/l

RT: 5.02 min Scan# 445

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

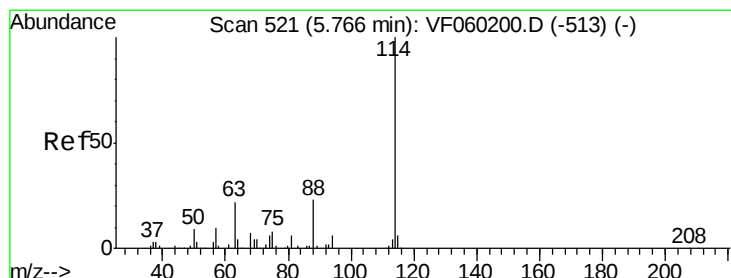
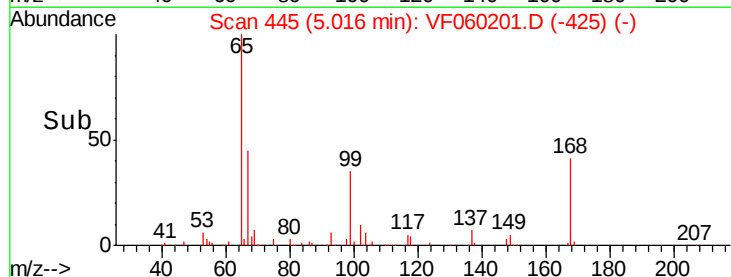
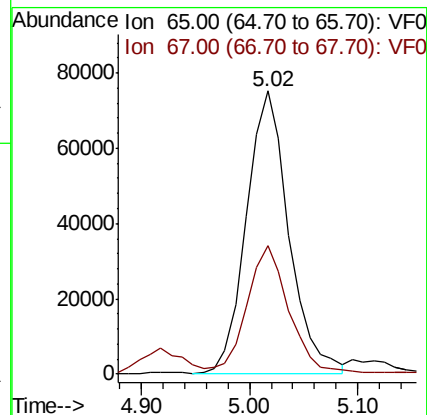
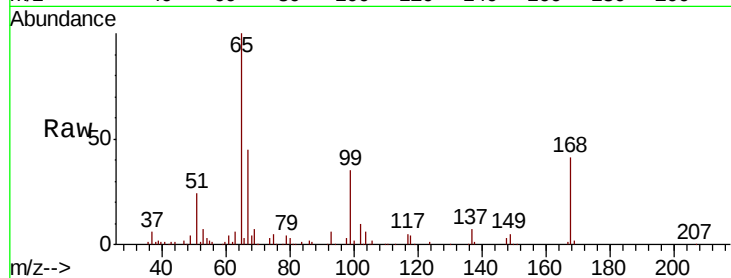
VSTDIC075

Tgt Ion: 65 Resp: 203742

Ion Ratio Lower Upper

65 100

67 45.5 0.0 87.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 521

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

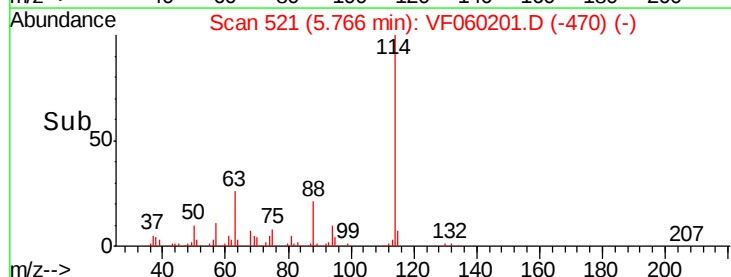
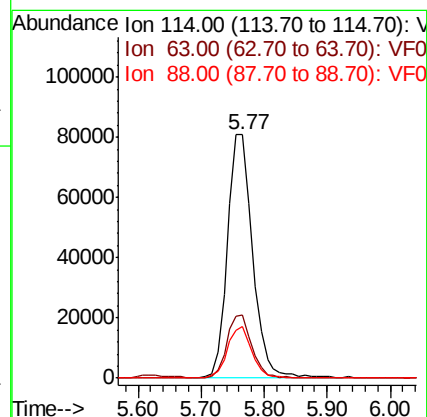
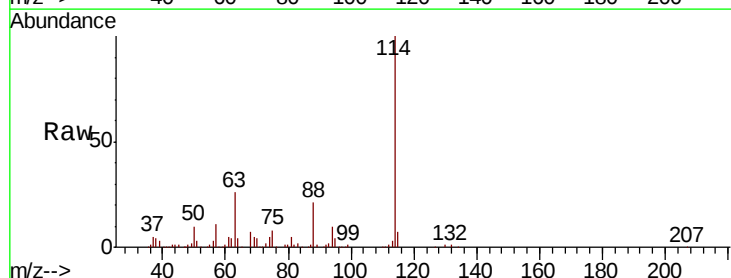
Tgt Ion: 114 Resp: 224774

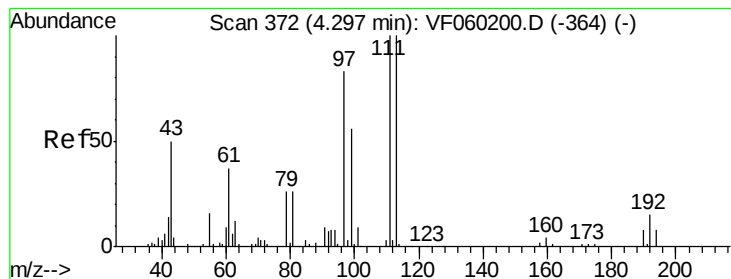
Ion Ratio Lower Upper

114 100

63 25.7 0.0 45.6

88 21.1 0.0 46.4





#35

Dibromofluoromethane

Concen: 71.291 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

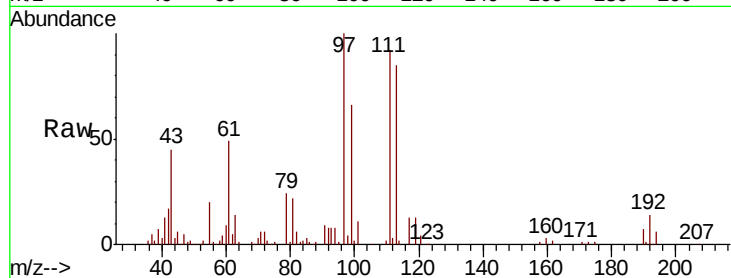
Tgt Ion: 113 Resp: 156392

Ion Ratio Lower Upper

113 100

111 108.1 80.2 120.2

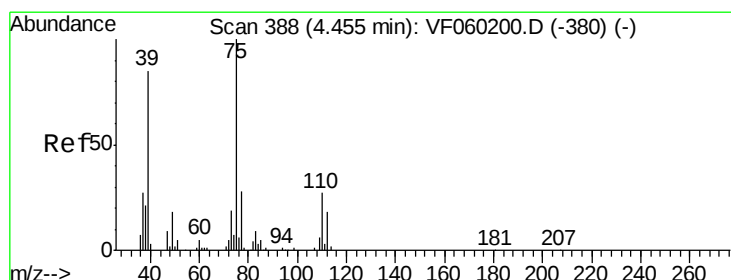
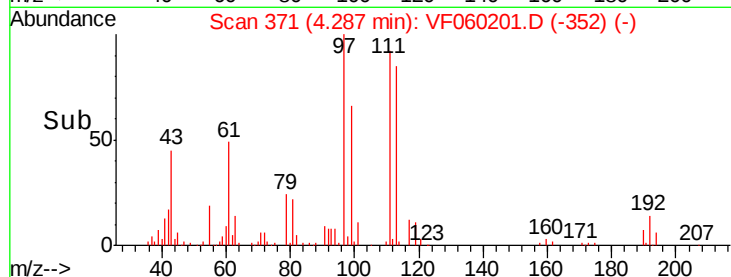
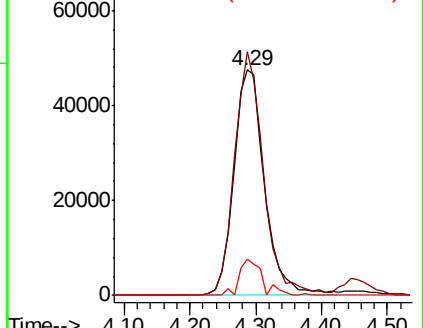
192 16.2 11.8 17.8



Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V



#36

1,1-Dichloropropene

Concen: 70.362 ug/l

RT: 4.45 min Scan# 388

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

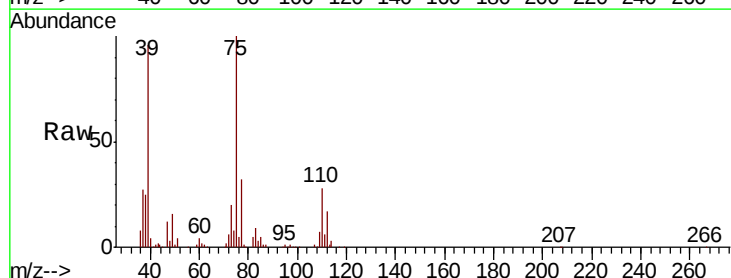
Tgt Ion: 75 Resp: 183554

Ion Ratio Lower Upper

75 100

110 27.9 13.6 40.7

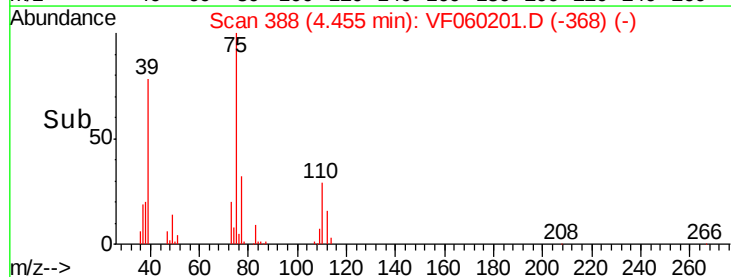
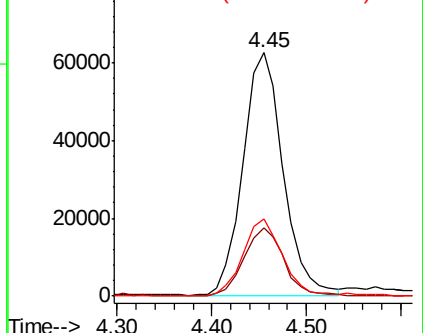
77 31.8 22.7 34.1

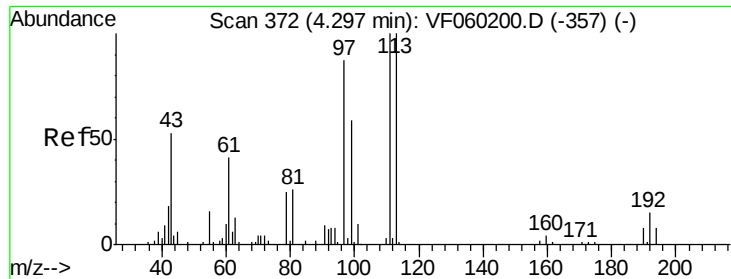


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 67.206 ug/l

RT: 4.29 min Scan# 371

Delta R.T. -0.01 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

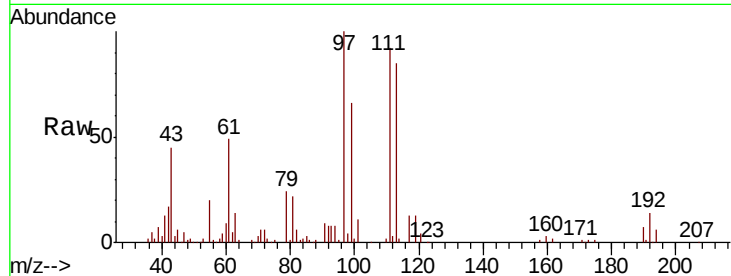
Tgt Ion: 43 Resp: 96478

Ion Ratio Lower Upper

43 100

61 109.4 61.6 92.4#

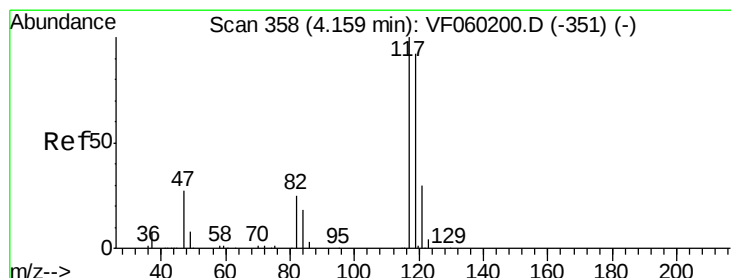
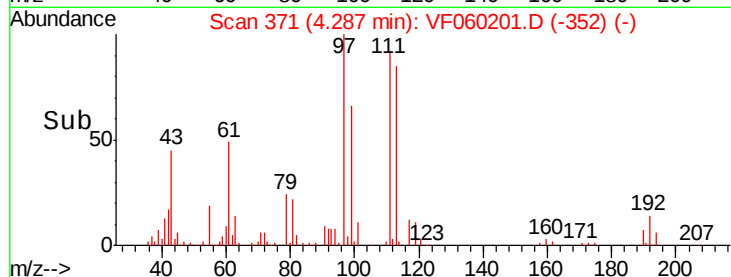
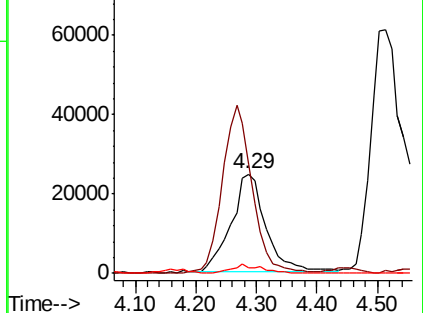
70 5.9 6.9 10.3#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 72.620 ug/l

RT: 4.16 min Scan# 358

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

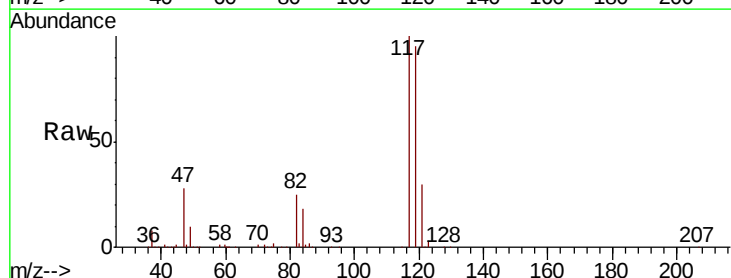
Tgt Ion: 117 Resp: 264915

Ion Ratio Lower Upper

117 100

119 94.9 73.0 109.6

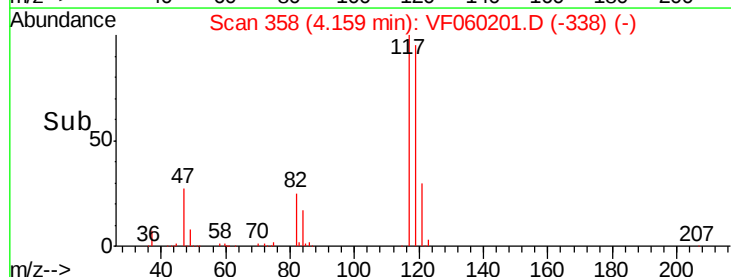
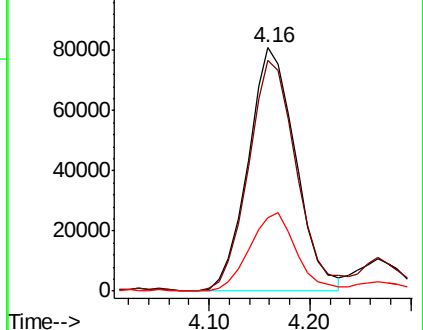
121 30.0 23.9 35.9

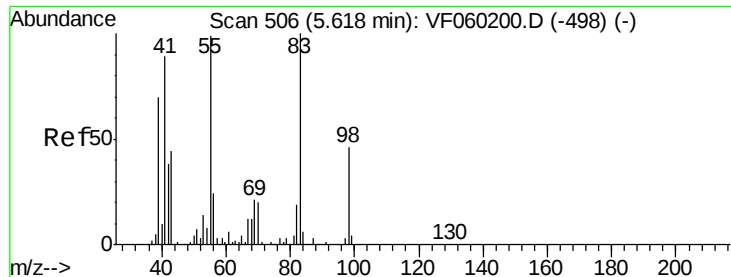


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

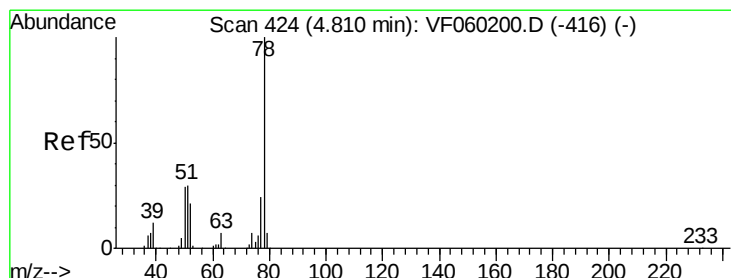
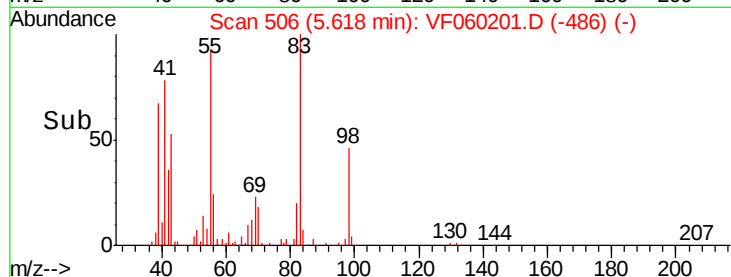
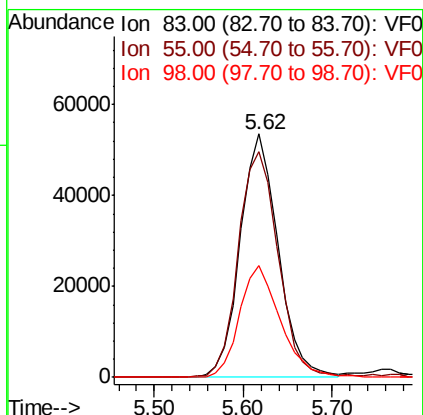
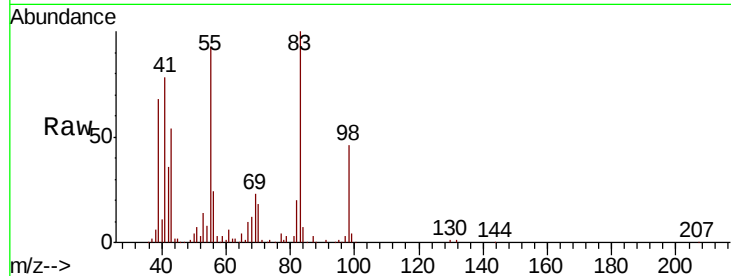




#39
Methylcyclohexane
Concen: 71.848 ug/l
RT: 5.62 min Scan# 506
Delta R.T. -0.00 min
Lab File: VF060201.D
Acq: 6 Sep 2018 13:38

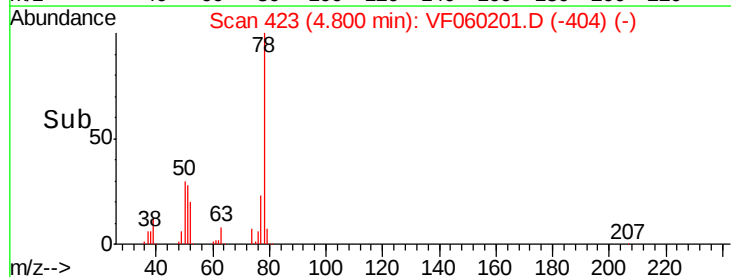
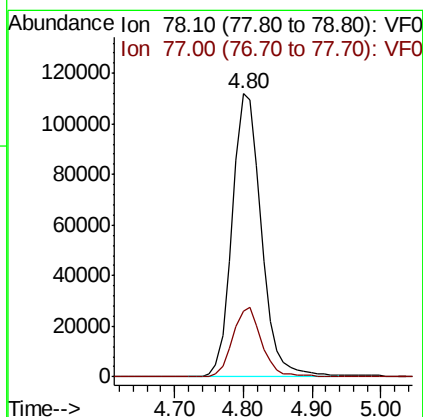
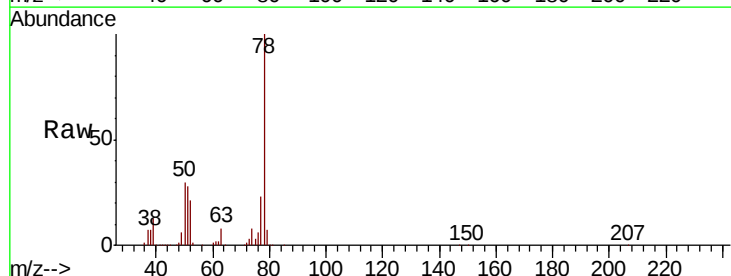
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

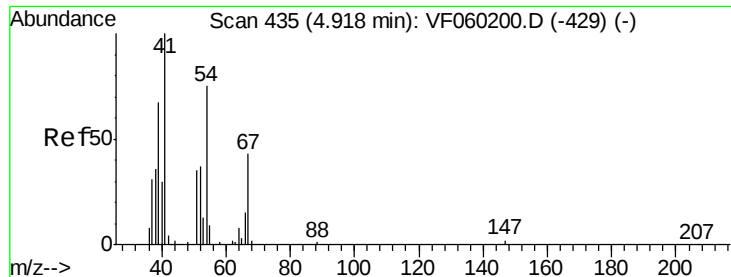
Tgt Ion: 83 Resp: 158354
Ion Ratio Lower Upper
83 100
55 92.6 79.0 118.4
98 46.0 36.7 55.1



#40
Benzene
Concen: 71.052 ug/l
RT: 4.80 min Scan# 423
Delta R.T. -0.01 min
Lab File: VF060201.D
Acq: 6 Sep 2018 13:38

Tgt Ion: 78 Resp: 329706
Ion Ratio Lower Upper
78 100
77 23.1 19.0 28.4

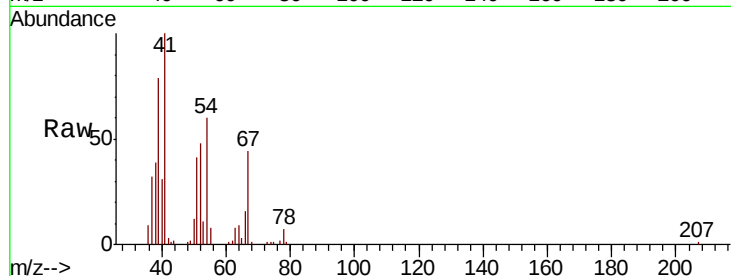




#41
Methacrylonitrile
Concen: 70.382 ug/l
RT: 4.92 min Scan# 435
Delta R.T. -0.00 min
Lab File: VF060201.D
Acq: 6 Sep 2018 13:38

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion:	41	Resp:	47939
Ion	Ratio	Lower	Upper
41	100		
39	79.1	57.4	86.2
67	43.5	34.6	52.0
52	48.4	36.2	54.4



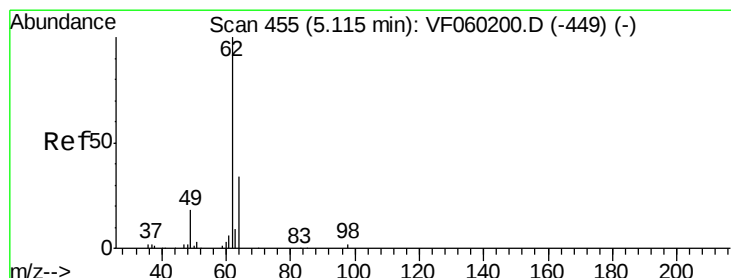
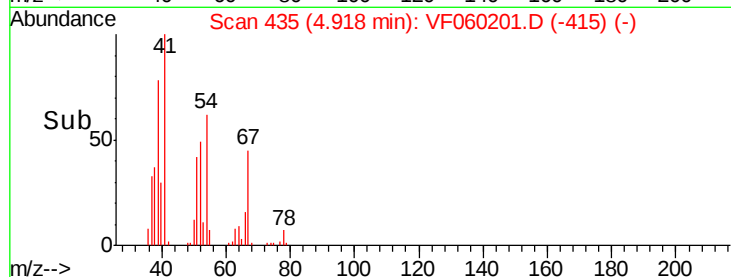
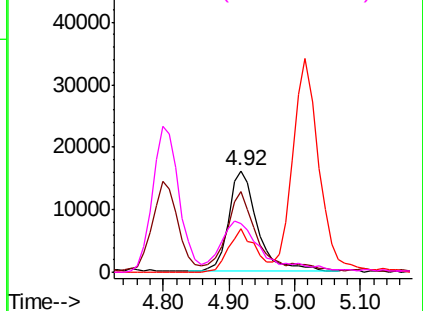
Abundance

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

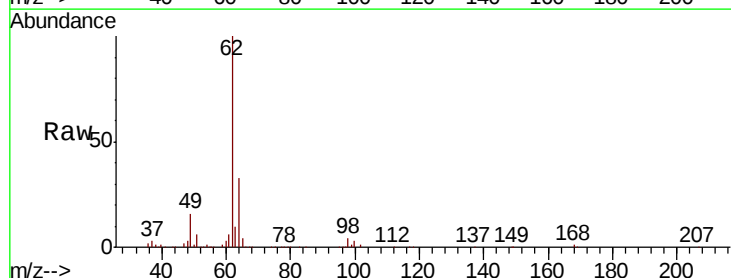
Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42
1,2-Dichloroethane
Concen: 74.455 ug/l
RT: 5.11 min Scan# 455
Delta R.T. -0.00 min
Lab File: VF060201.D
Acq: 6 Sep 2018 13:38

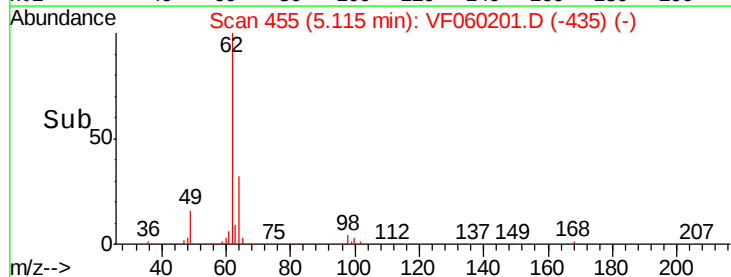
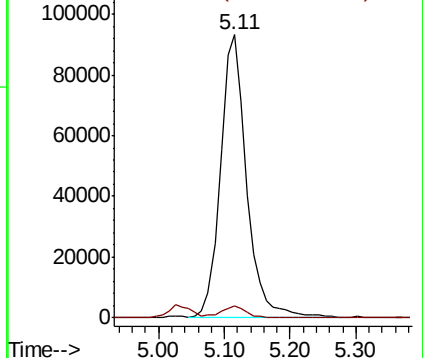
Tgt Ion:	62	Resp:	253717
Ion	Ratio	Lower	Upper
62	100		
98	4.4	0.0	8.8

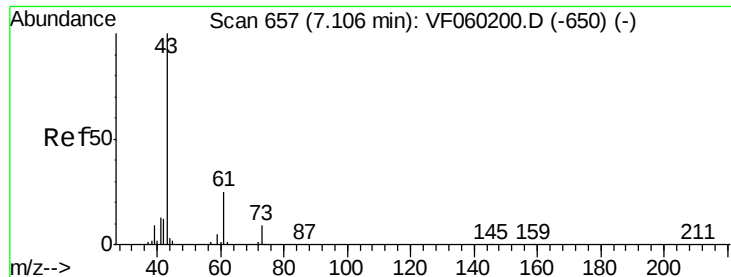


Abundance

Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



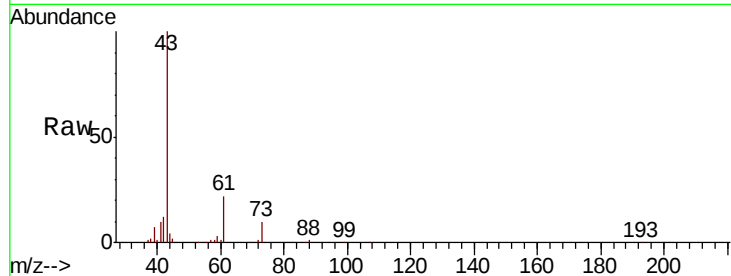


#43

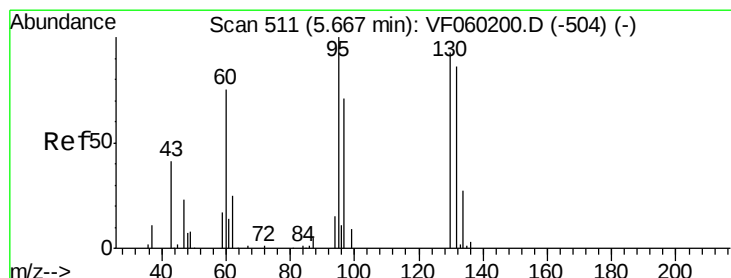
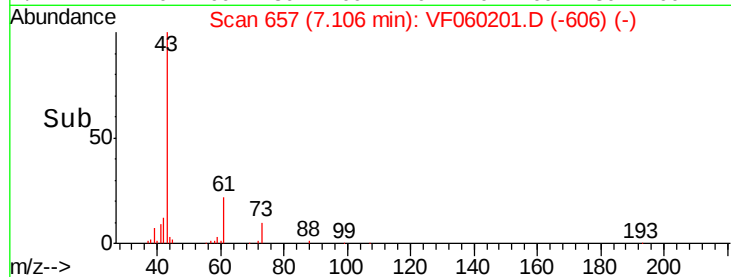
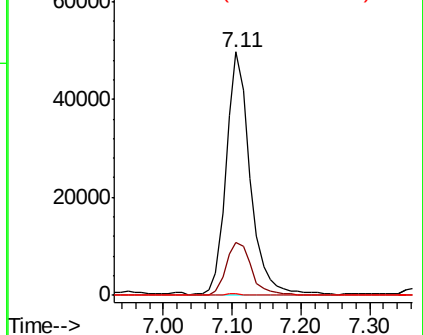
Isopropyl Acetate
 Concen: 76.768 ug/l
 RT: 7.11 min Scan# 657
 Delta R.T. -0.00 min
 Lab File: VF060201.D
 Acq: 6 Sep 2018 13:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion: 43 Resp: 118099
 Ion Ratio Lower Upper
 43 100
 61 21.7 19.9 29.9
 87 0.5 0.4 0.6



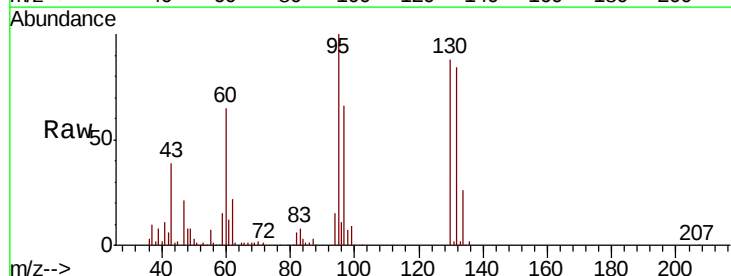
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



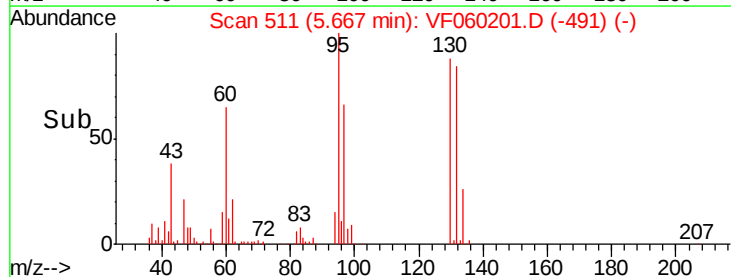
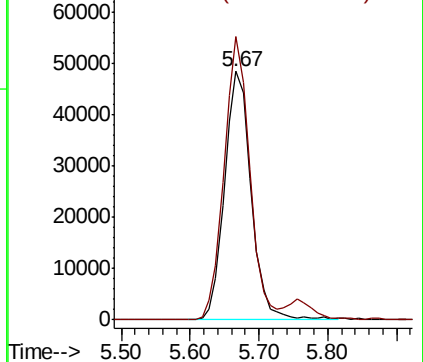
#44

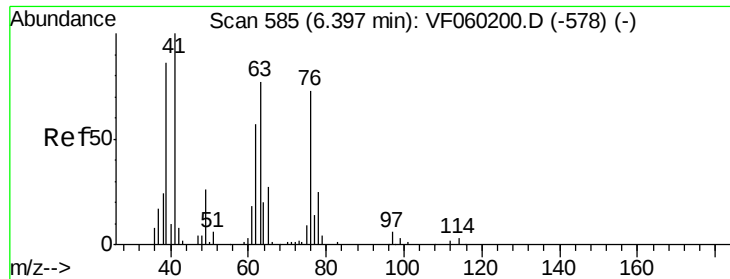
Trichloroethene
 Concen: 67.804 ug/l
 RT: 5.67 min Scan# 511
 Delta R.T. -0.00 min
 Lab File: VF060201.D
 Acq: 6 Sep 2018 13:38

Tgt Ion: 130 Resp: 129671
 Ion Ratio Lower Upper
 130 100
 95 113.9 0.0 215.4



Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VF0





#45

1,2-Dichloropropane

Concen: 69.748 ug/l

RT: 6.40 min Scan# 585

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

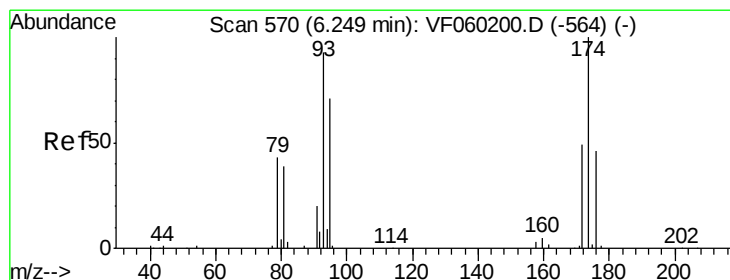
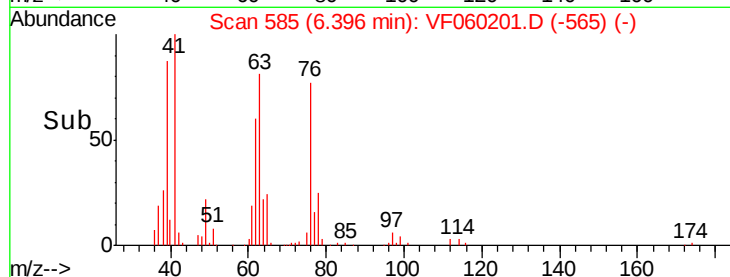
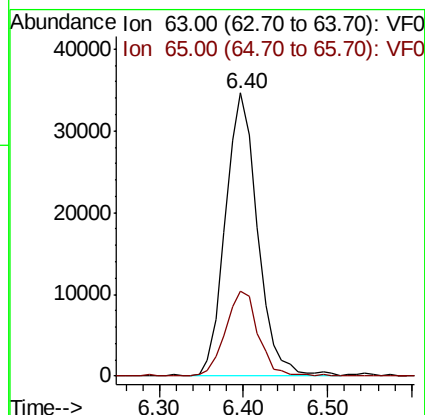
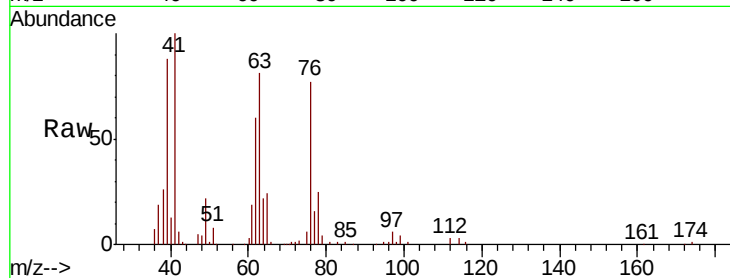
VSTDIC075

Tgt Ion: 63 Resp: 92566

Ion Ratio Lower Upper

63 100

65 30.1 27.9 41.9



#46

Dibromomethane

Concen: 75.152 ug/l

RT: 6.25 min Scan# 570

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

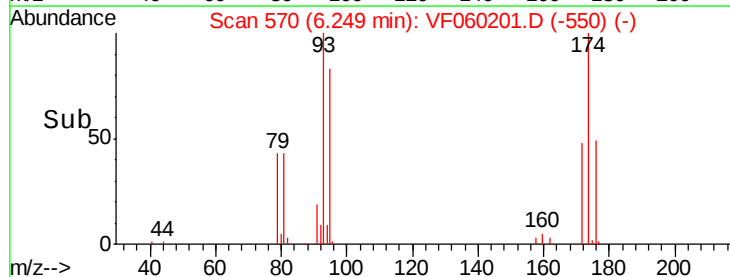
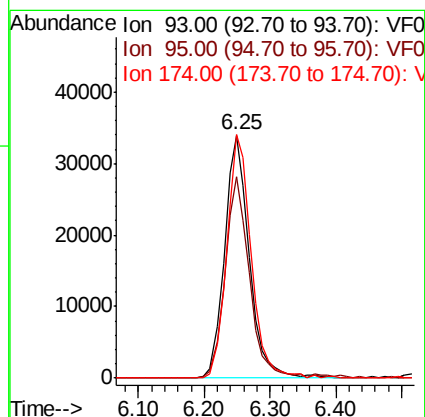
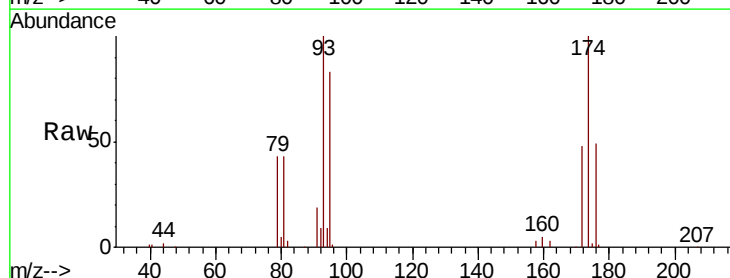
Tgt Ion: 93 Resp: 89128

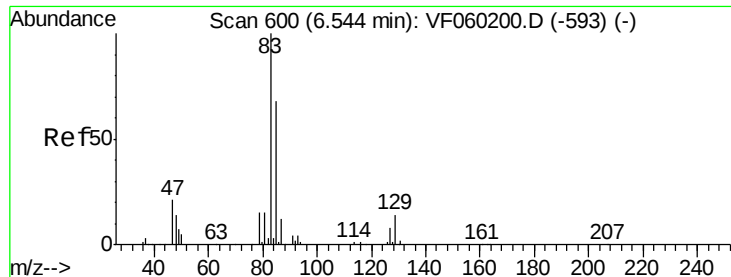
Ion Ratio Lower Upper

93 100

95 84.1 61.4 92.2

174 100.4 85.9 128.9





#47

Bromodichloromethane

Concen: 76.332 ug/l

RT: 6.54 min Scan# 600

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

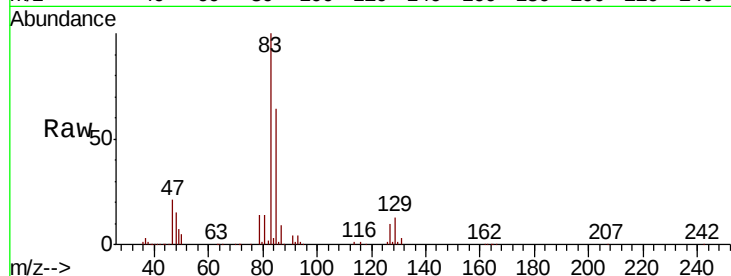
Tgt Ion: 83 Resp: 244528

Ion Ratio Lower Upper

83 100

85 63.7 54.0 81.0

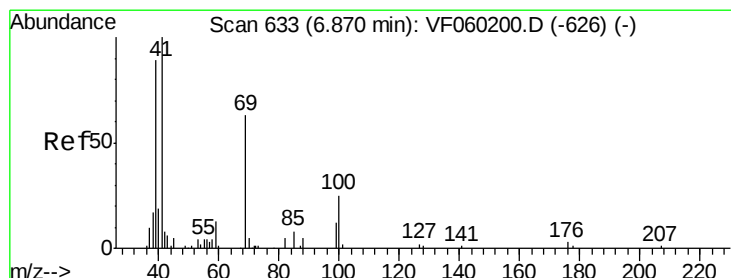
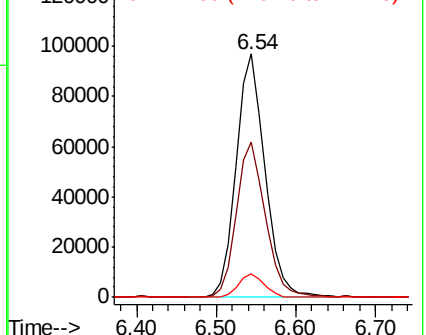
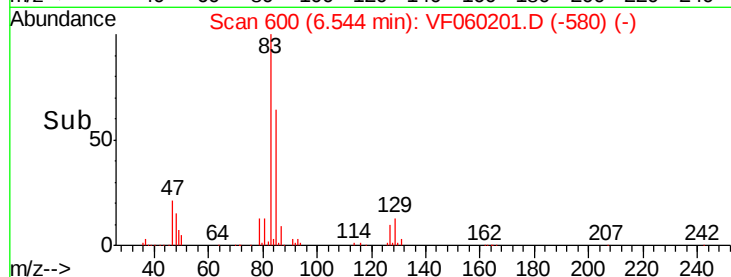
127 9.6 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 75.263 ug/l

RT: 6.87 min Scan# 633

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

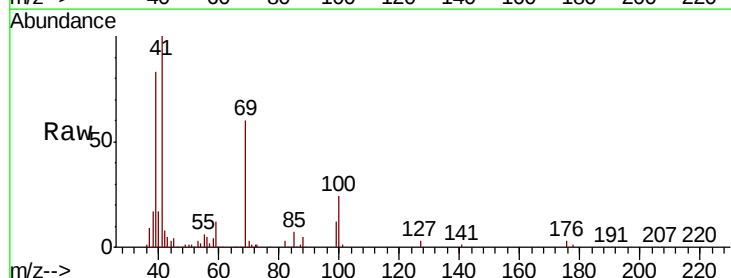
Tgt Ion: 41 Resp: 91668

Ion Ratio Lower Upper

41 100

69 60.1 50.4 75.6

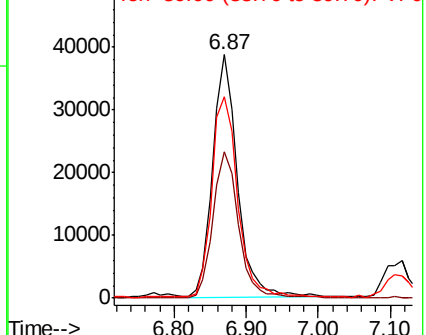
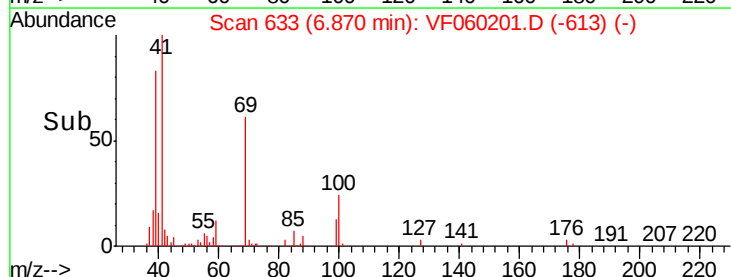
39 82.9 70.6 106.0

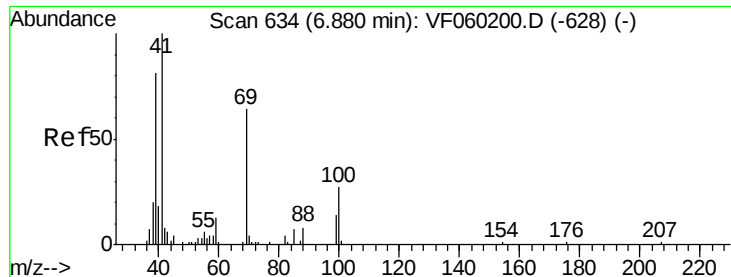


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 395.258 ug/l

RT: 6.87 min Scan# 633

Delta R.T. -0.01 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

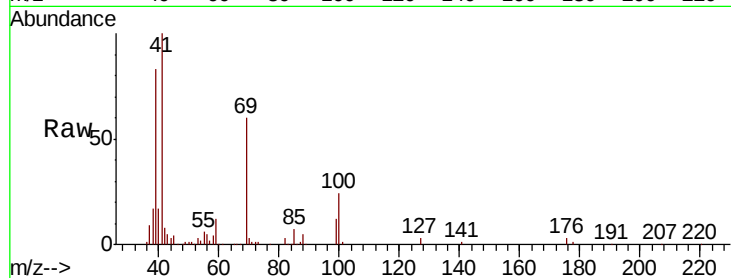
Tgt Ion: 88 Resp: 10870

Ion Ratio Lower Upper

88 100

43 83.9 68.1 102.1

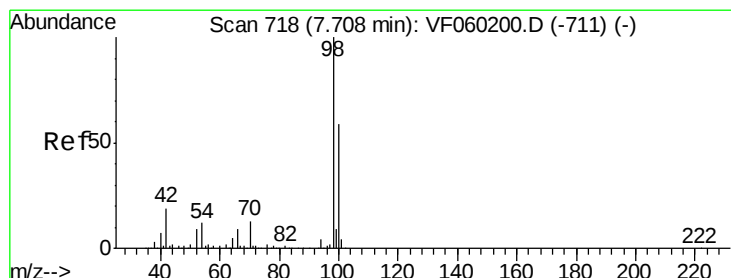
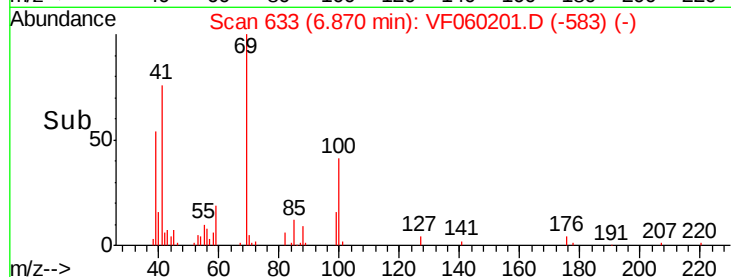
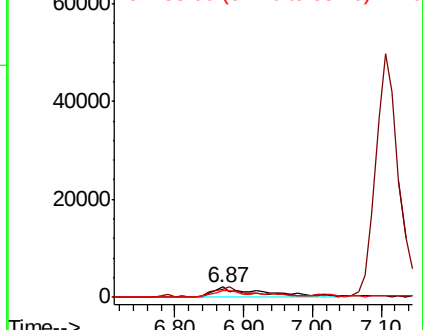
58 68.2 38.1 57.1#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 70.363 ug/l

RT: 7.71 min Scan# 718

Delta R.T. -0.00 min

Lab File: VF060201.D

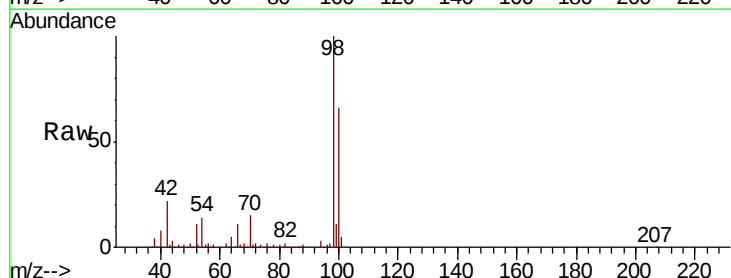
Acq: 6 Sep 2018 13:38

Tgt Ion: 98 Resp: 384151

Ion Ratio Lower Upper

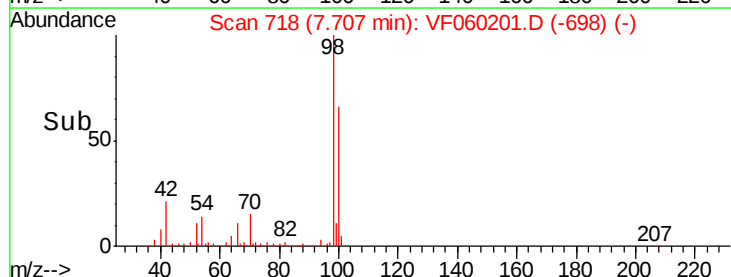
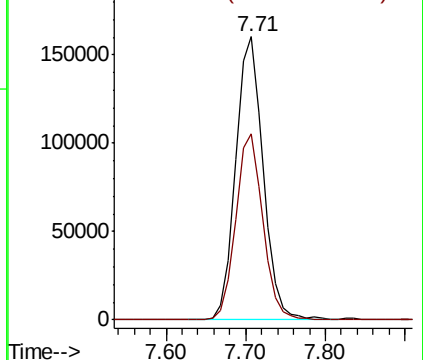
98 100

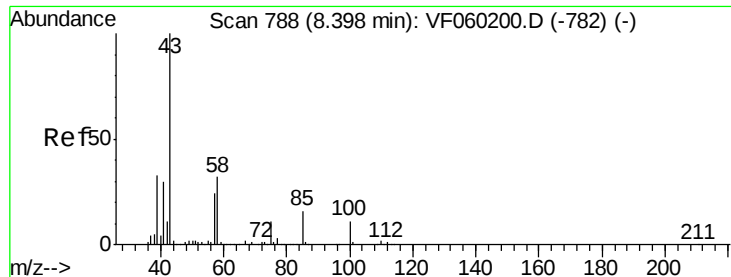
100 65.7 47.4 71.0



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 373.109 ug/l

RT: 8.40 min Scan# 788

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

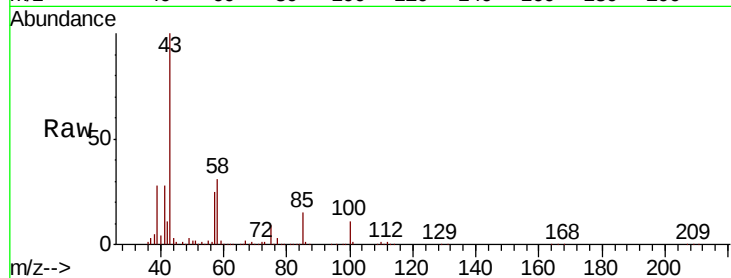
VSTDIC075

Tgt Ion: 43 Resp: 509993

Ion Ratio Lower Upper

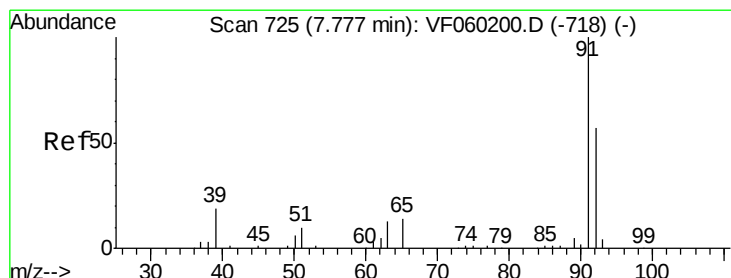
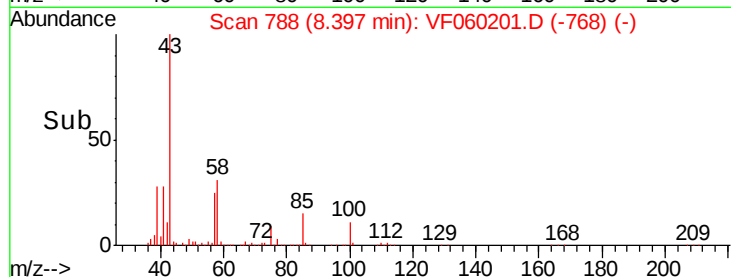
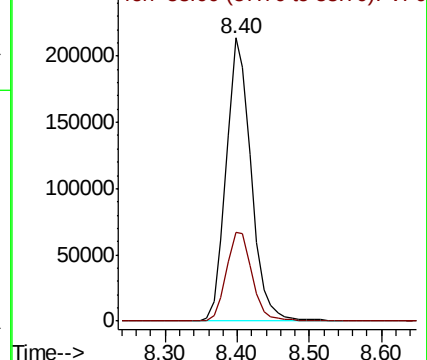
43 100

58 31.3 25.8 38.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 66.276 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.00 min

Lab File: VF060201.D

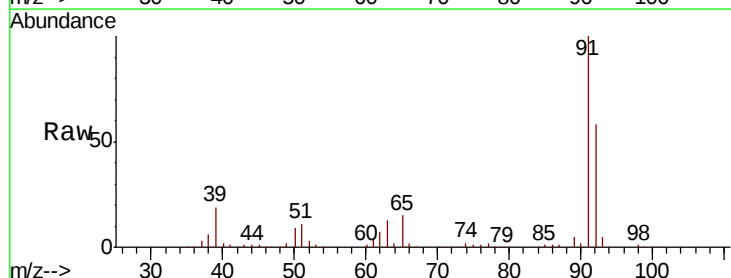
Acq: 6 Sep 2018 13:38

Tgt Ion: 92 Resp: 238534

Ion Ratio Lower Upper

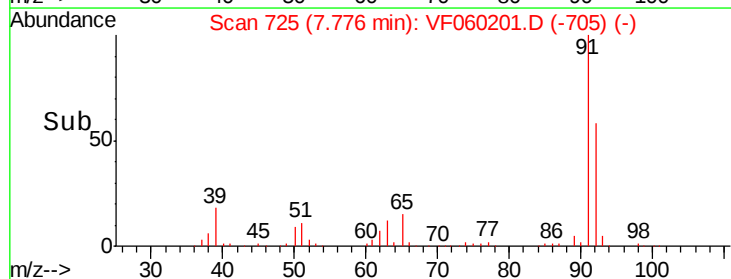
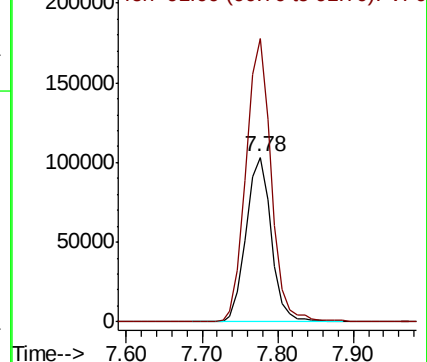
92 100

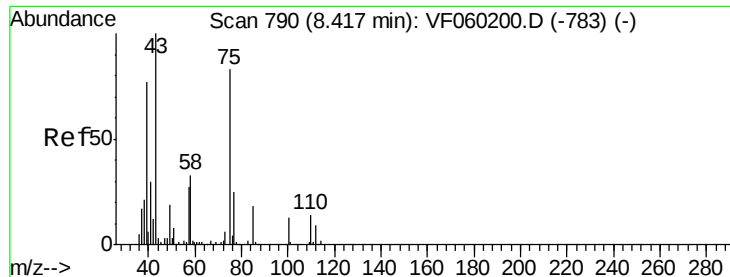
91 172.1 140.0 210.0



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

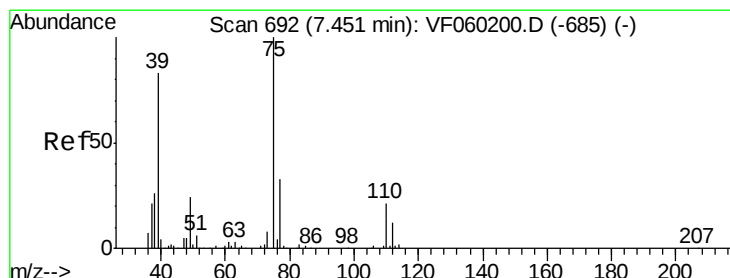
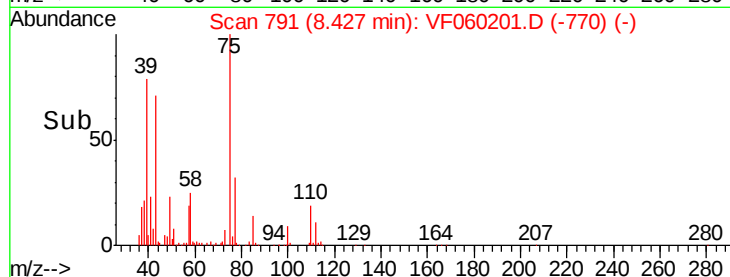
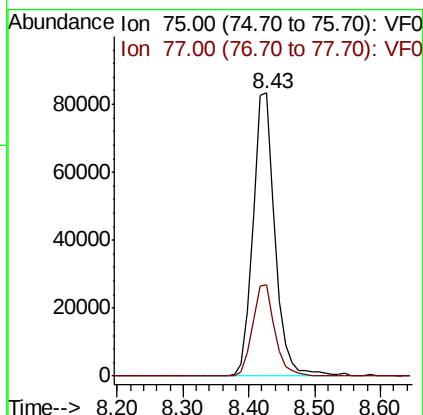
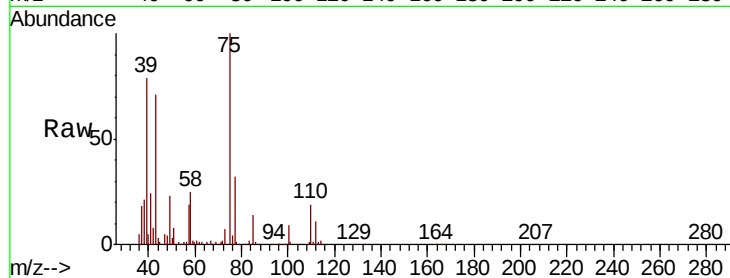




#53
 t-1,3-Dichloropropene
 Concen: 73.172 ug/l
 RT: 8.43 min Scan# 791
 Delta R.T. 0.01 min
 Lab File: VF060201.D
 Acq: 6 Sep 2018 13:38

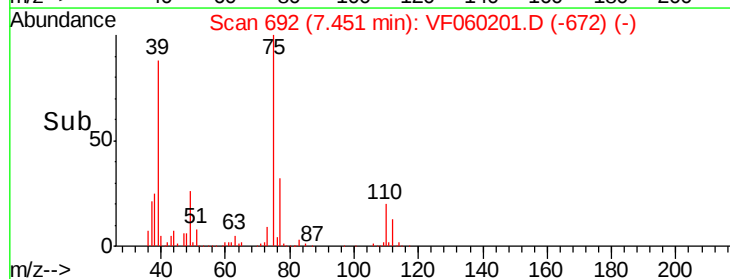
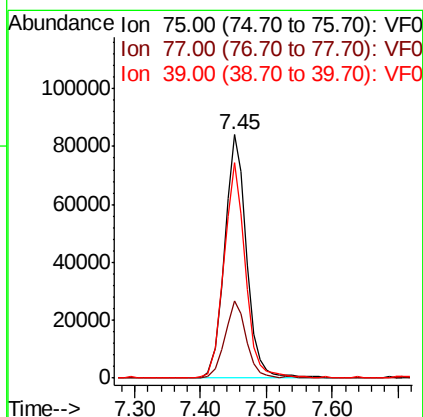
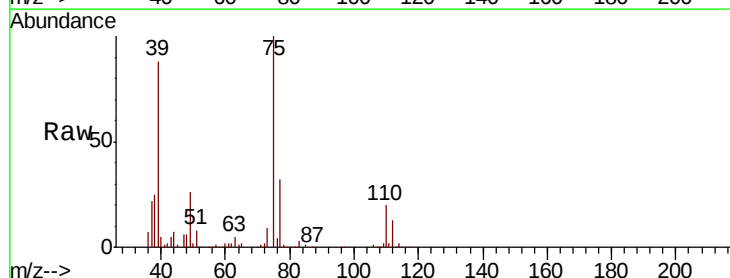
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

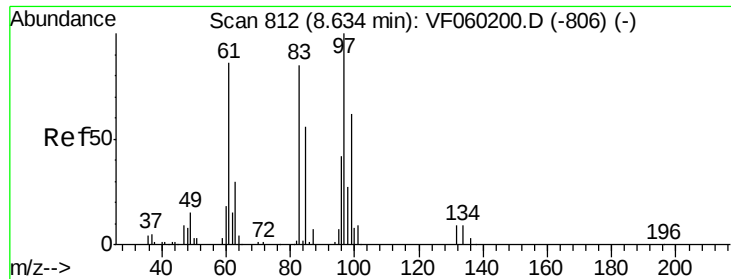
Tgt Ion: 75 Resp: 195595
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.3 36.5



#54
 cis-1,3-Dichloropropene
 Concen: 71.529 ug/l
 RT: 7.45 min Scan# 692
 Delta R.T. -0.00 min
 Lab File: VF060201.D
 Acq: 6 Sep 2018 13:38

Tgt Ion: 75 Resp: 196195
 Ion Ratio Lower Upper
 75 100
 77 31.7 26.6 39.8
 39 88.4 66.6 100.0





#55

1,1,2-Trichloroethane

Concen: 73.384 ug/l

RT: 8.63 min Scan# 812

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 97 Resp: 99283

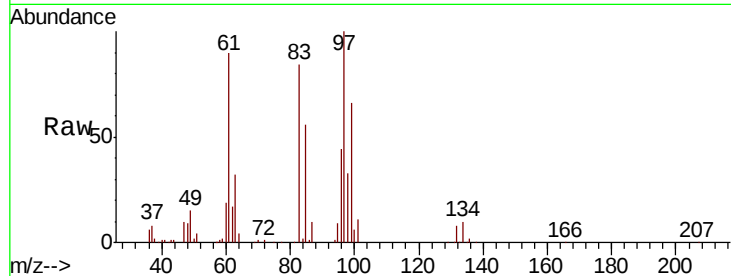
Ion Ratio Lower Upper

97 100

83 84.3 68.1 102.1

85 56.4 44.6 66.8

99 65.6 49.8 74.8

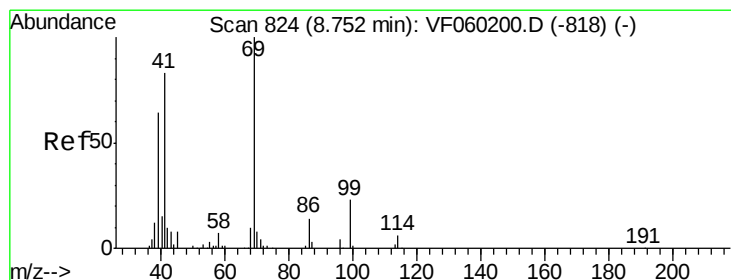
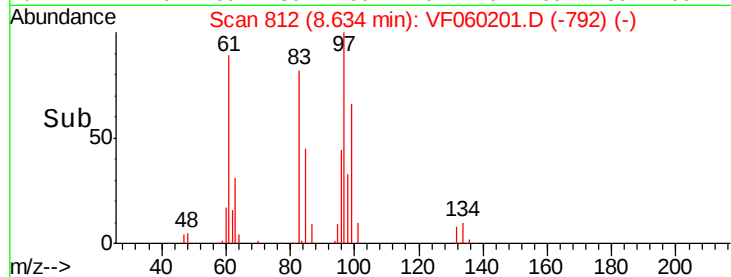
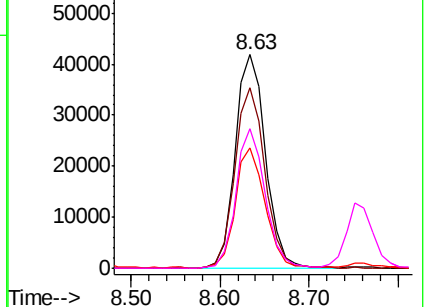


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 78.920 ug/l

RT: 8.75 min Scan# 824

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

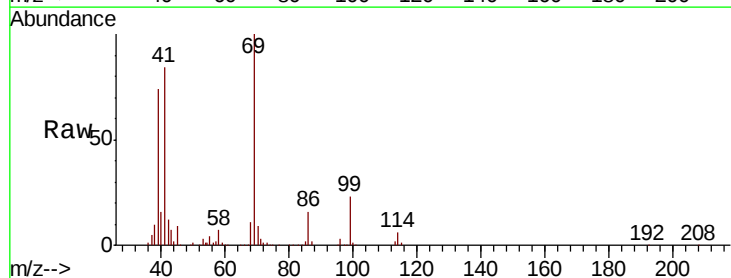
Tgt Ion: 69 Resp: 120231

Ion Ratio Lower Upper

69 100

41 84.4 66.6 100.0

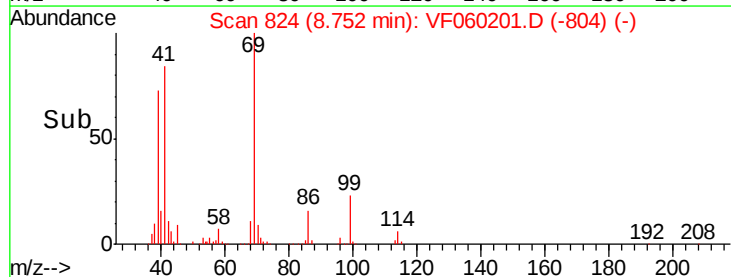
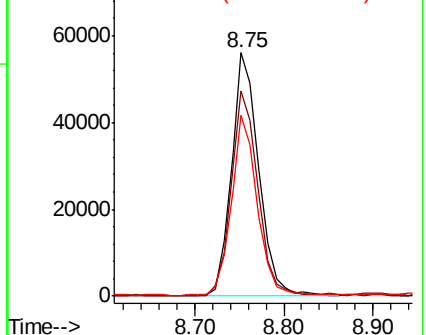
39 74.2 51.5 77.3

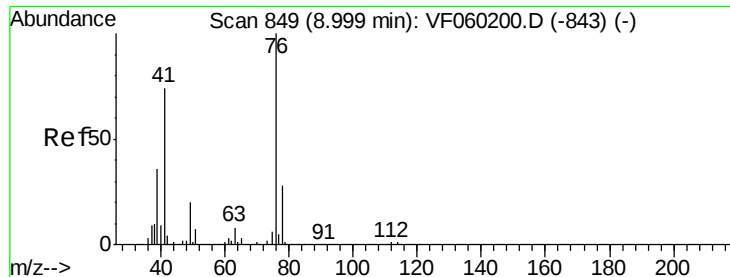


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 71.903 ug/l

RT: 9.00 min Scan# 849

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

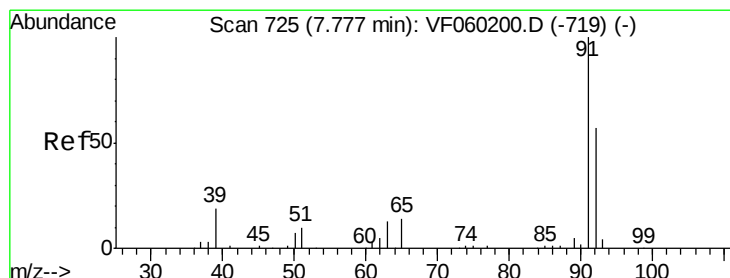
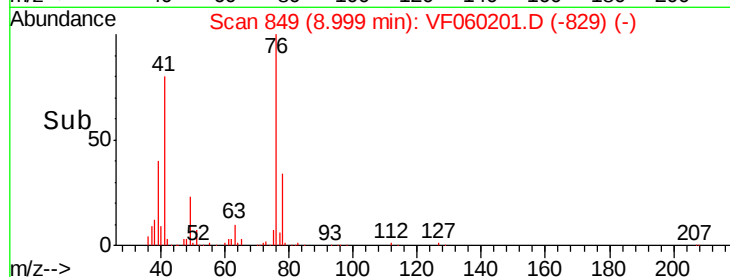
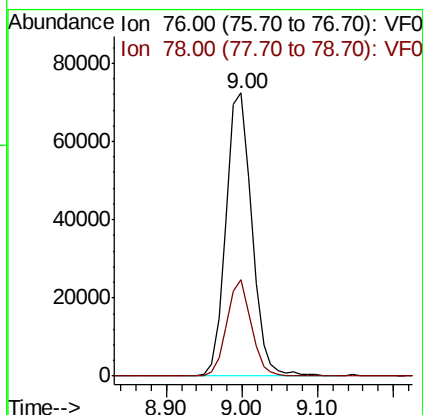
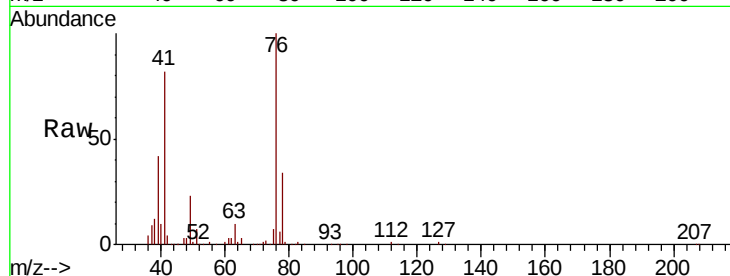
VSTDIC075

Tgt Ion: 76 Resp: 171270

Ion Ratio Lower Upper

76 100

78 34.0 22.8 34.2



#58

2-Chloroethyl Vinyl ether

Concen: 333.524 ug/l

RT: 7.78 min Scan# 725

Delta R.T. -0.00 min

Lab File: VF060201.D

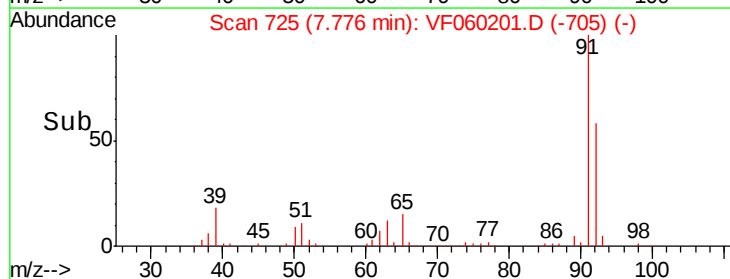
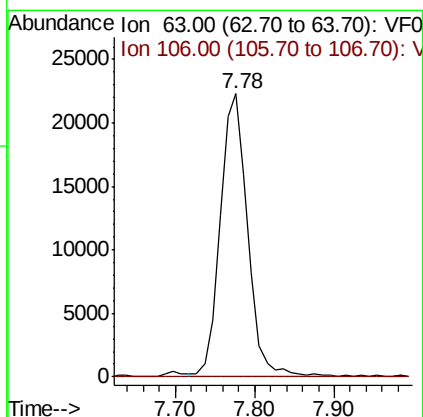
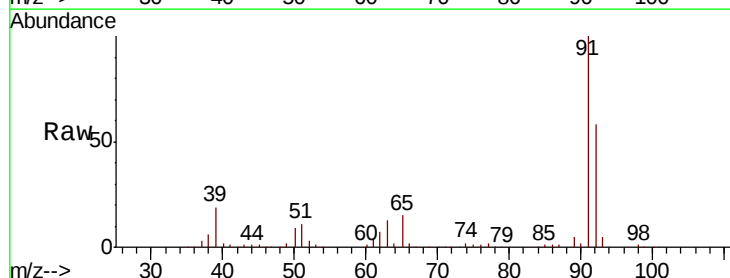
Acq: 6 Sep 2018 13:38

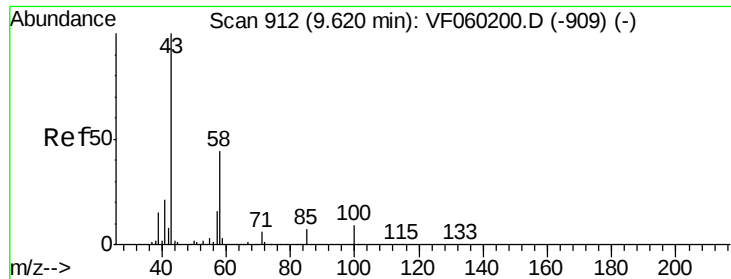
Tgt Ion: 63 Resp: 54160

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

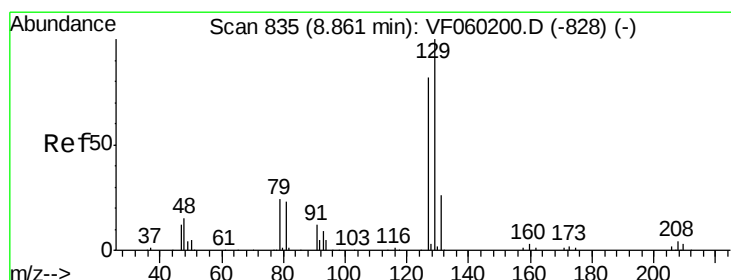
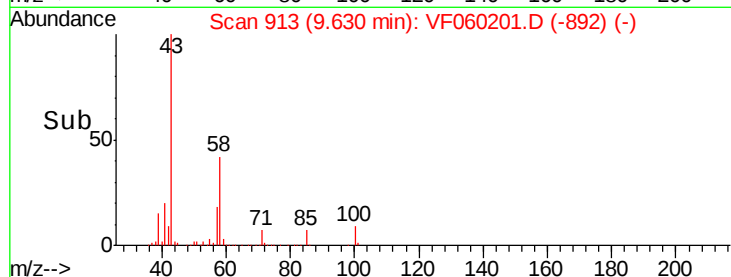
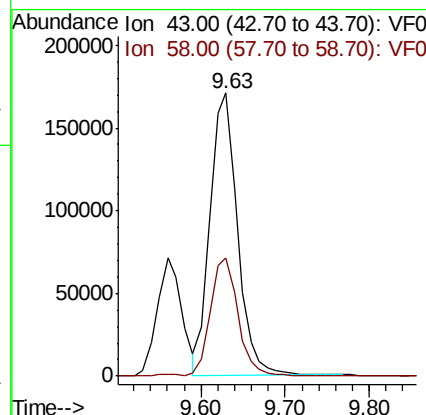
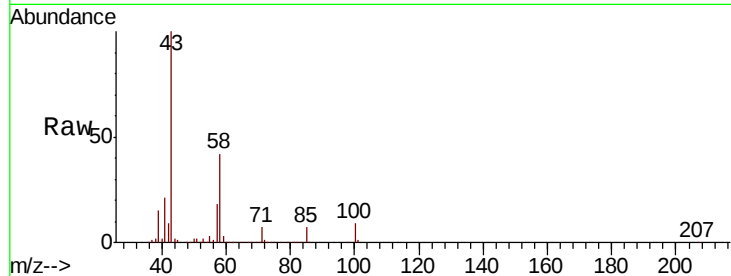




#59
2-Hexanone
Concen: 374.720 ug/l
RT: 9.63 min Scan# 913
Delta R.T. 0.01 min
Lab File: VF060201.D
Acq: 6 Sep 2018 13:38

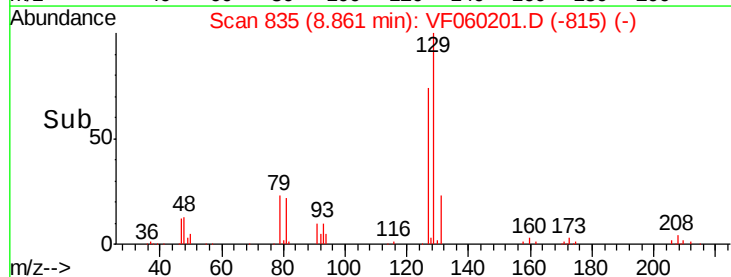
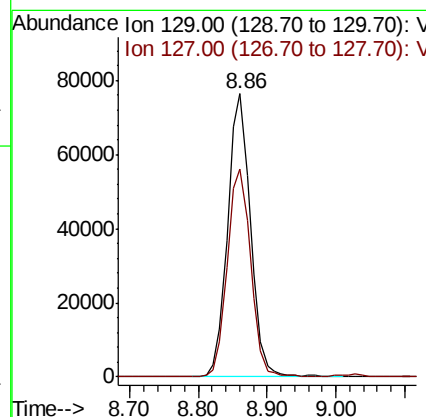
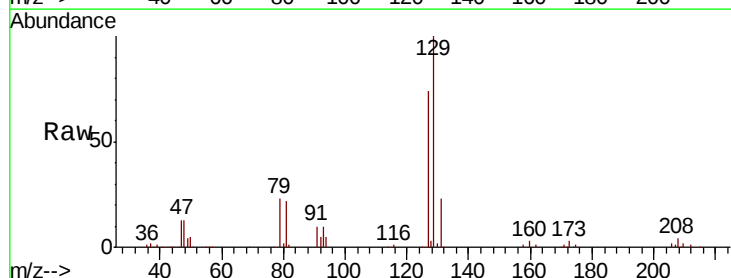
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

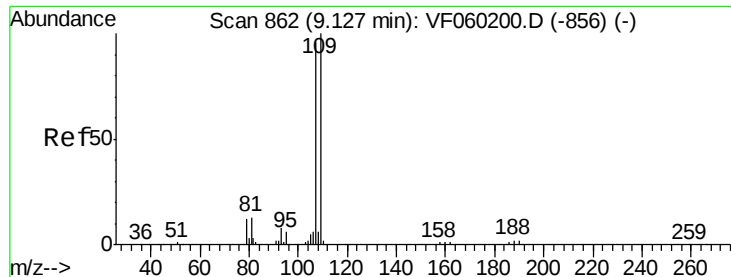
Tgt Ion: 43 Resp: 385736
Ion Ratio Lower Upper
43 100
58 41.9 20.8 62.5



#60
Dibromochloromethane
Concen: 78.576 ug/l
RT: 8.86 min Scan# 835
Delta R.T. -0.00 min
Lab File: VF060201.D
Acq: 6 Sep 2018 13:38

Tgt Ion: 129 Resp: 175206
Ion Ratio Lower Upper
129 100
127 73.5 40.9 122.8





#61

1,2-Dibromoethane

Concen: 76.801 ug/l

RT: 9.13 min Scan# 862

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

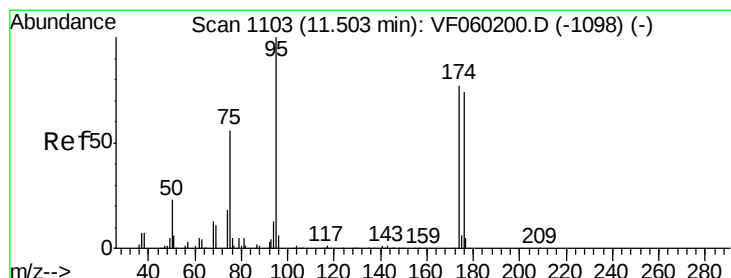
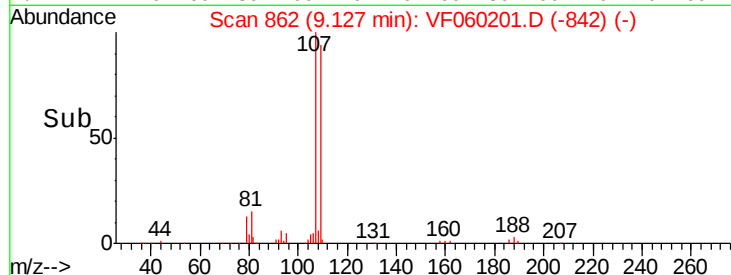
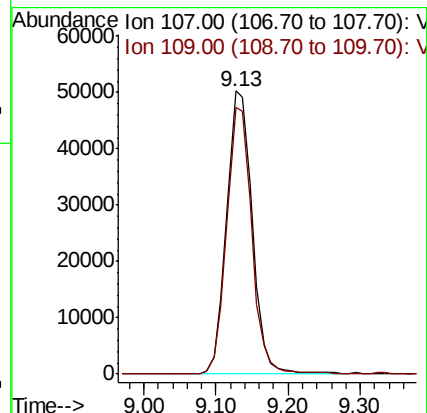
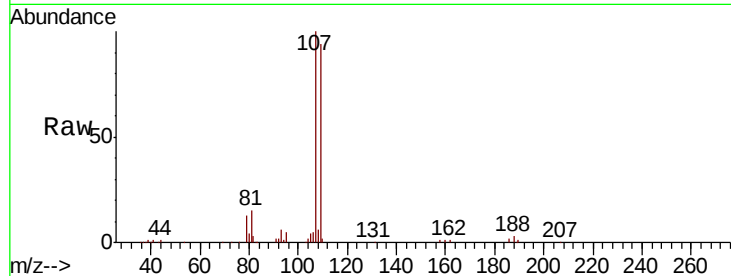
VSTDIC075

Tgt Ion: 107 Resp: 123959

Ion Ratio Lower Upper

107 100

109 94.0 83.0 124.4



#62

4-Bromofluorobenzene

Concen: 67.707 ug/l

RT: 11.50 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

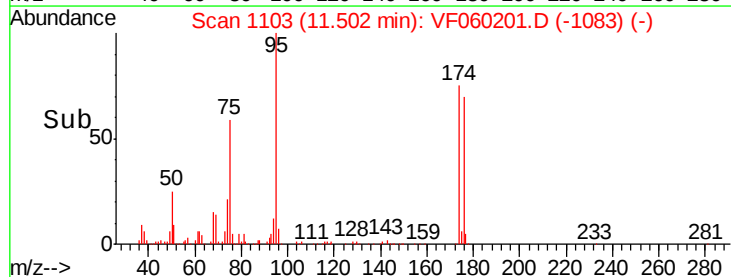
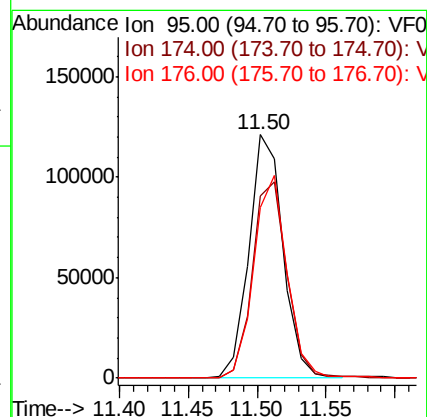
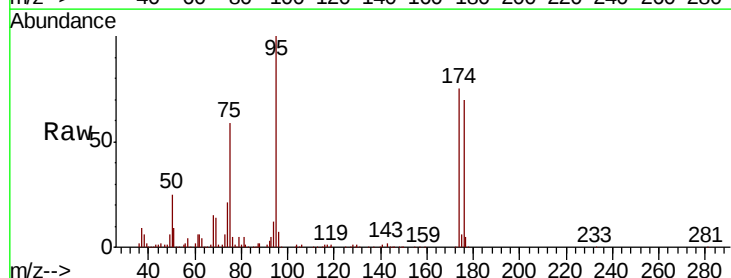
Tgt Ion: 95 Resp: 209300

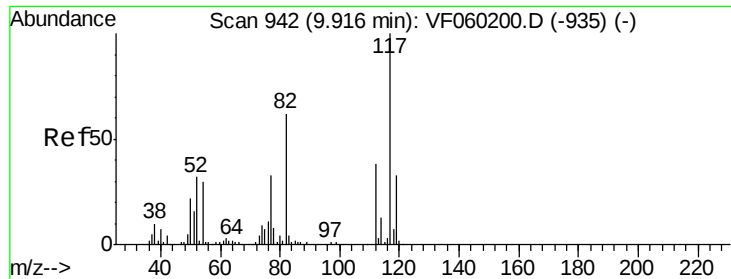
Ion Ratio Lower Upper

95 100

174 74.8 0.0 153.2

176 70.2 0.0 147.2

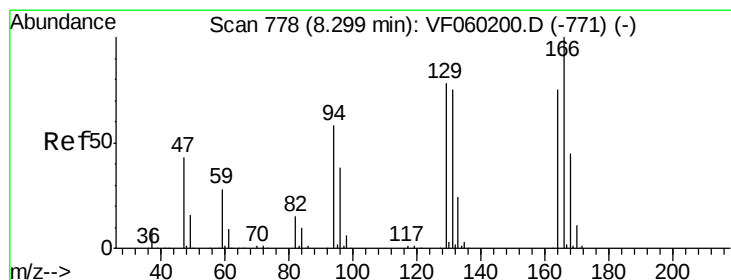
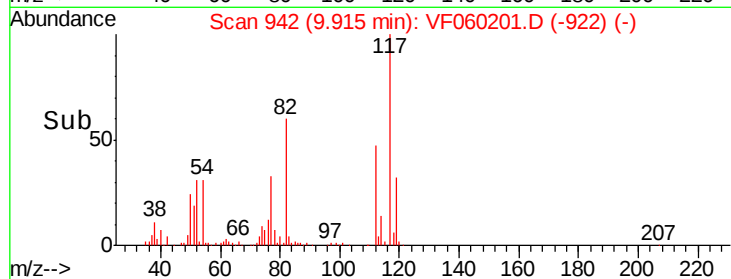
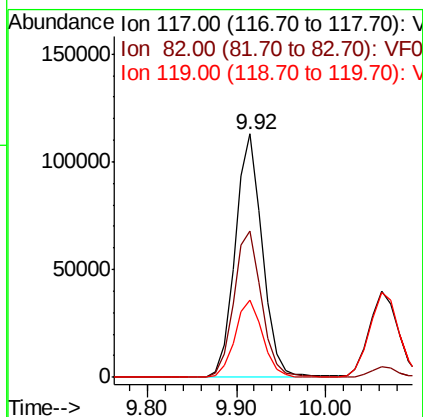
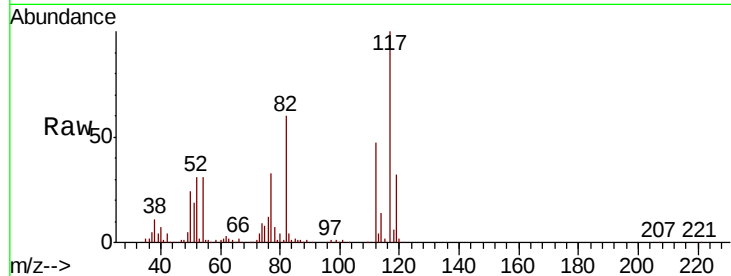




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 942
Delta R.T. -0.00 min
Lab File: VF060201.D
Acq: 6 Sep 2018 13:38

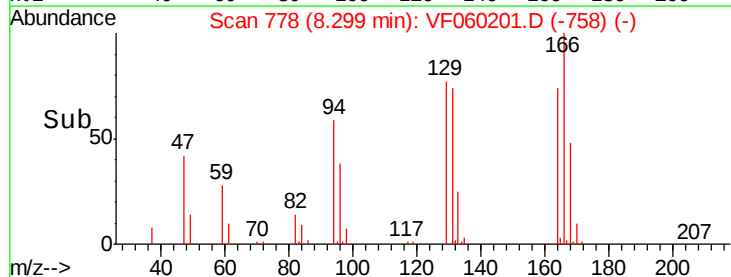
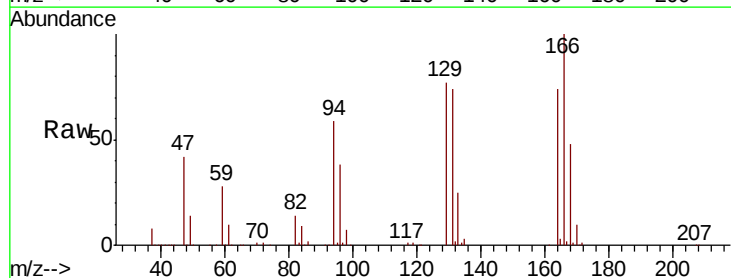
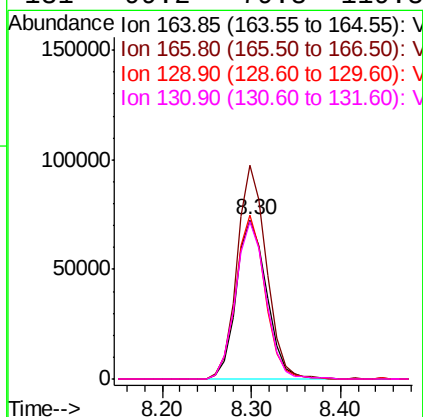
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

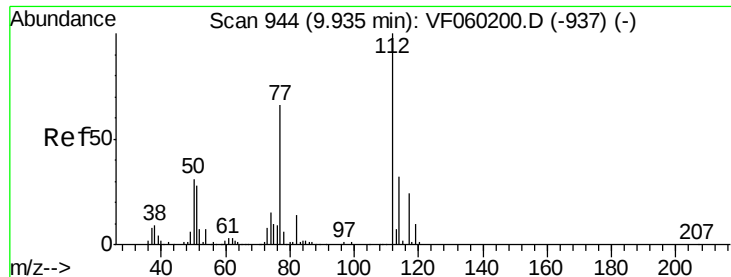
Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.9	49.3	73.9
119	31.7	26.5	39.7



#64
Tetrachloroethene
Concen: 61.929 ug/l
RT: 8.30 min Scan# 778
Delta R.T. -0.00 min
Lab File: VF060201.D
Acq: 6 Sep 2018 13:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.2	107.0	160.4
129	103.2	83.0	124.6
131	99.2	79.8	119.8





#65

Chlorobenzene

Concen: 69.003 ug/l

RT: 9.94 min Scan# 944

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

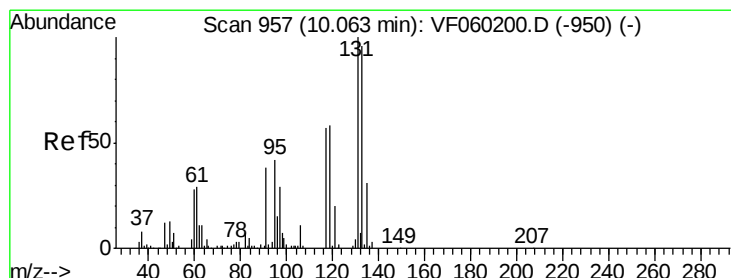
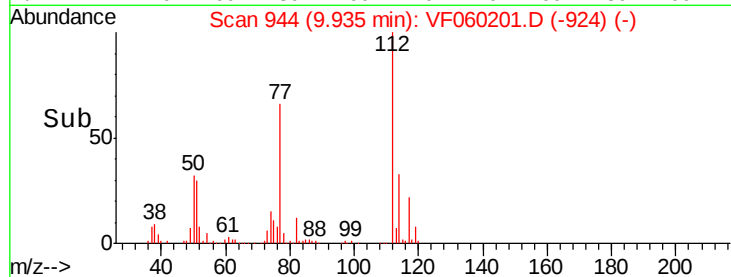
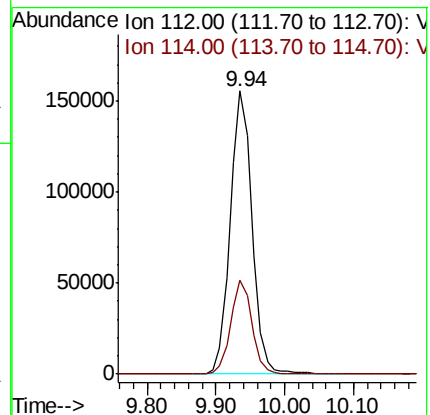
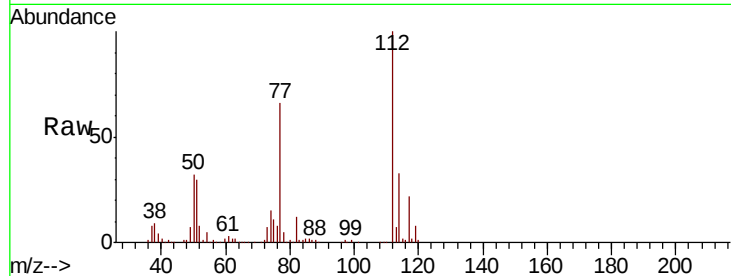
VSTDIC075

Tgt Ion:112 Resp: 341462

Ion Ratio Lower Upper

112 100

114 33.1 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 69.102 ug/l

RT: 10.06 min Scan# 957

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

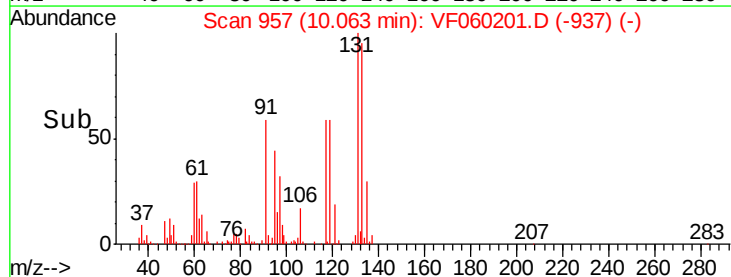
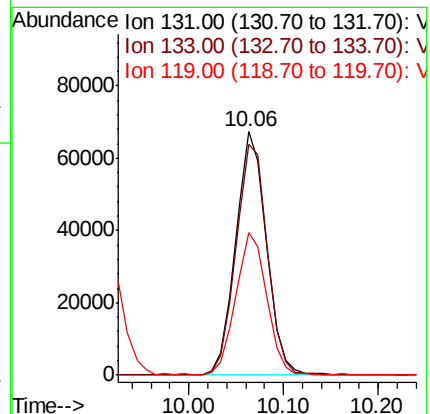
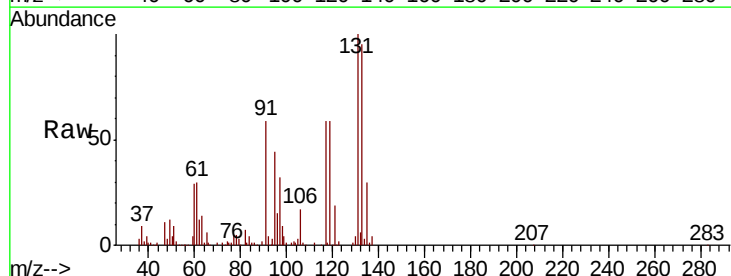
Tgt Ion:131 Resp: 150890

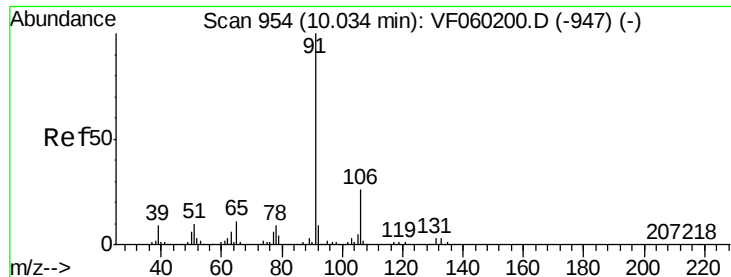
Ion Ratio Lower Upper

131 100

133 94.6 47.9 143.8

119 58.6 29.0 87.0





#67

Ethyl Benzene

Concen: 68.146 ug/l

RT: 10.03 min Scan# 954

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

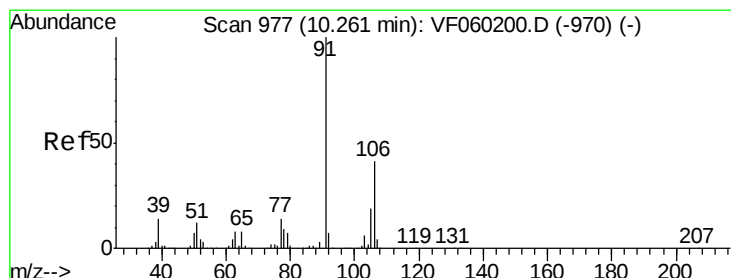
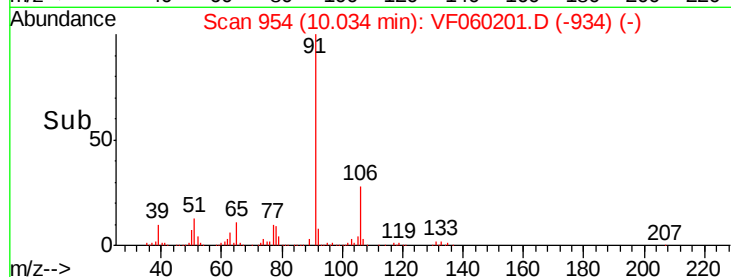
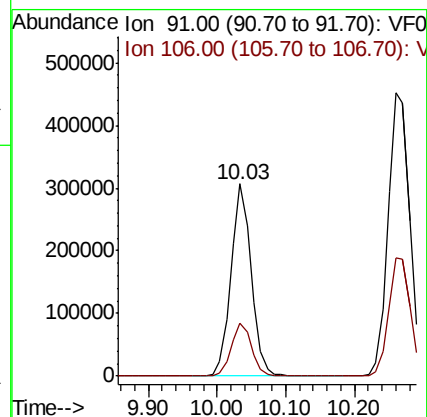
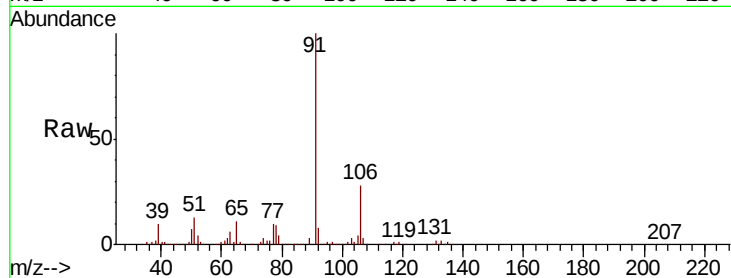
VSTDIC075

Tgt Ion: 91 Resp: 625399

Ion Ratio Lower Upper

91 100

106 27.6 21.1 31.7



#68

m/p-Xylenes

Concen: 136.367 ug/l

RT: 10.26 min Scan# 977

Delta R.T. -0.00 min

Lab File: VF060201.D

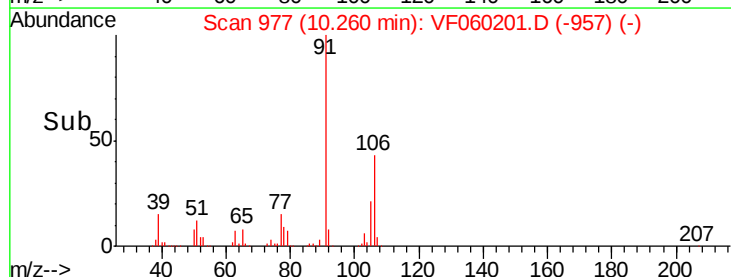
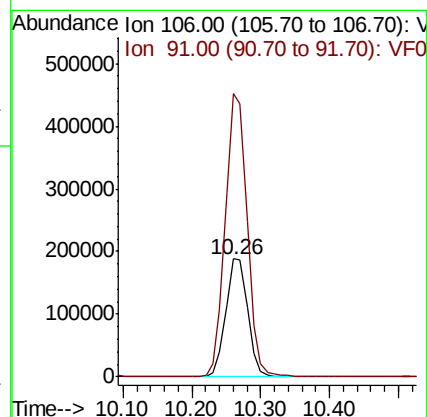
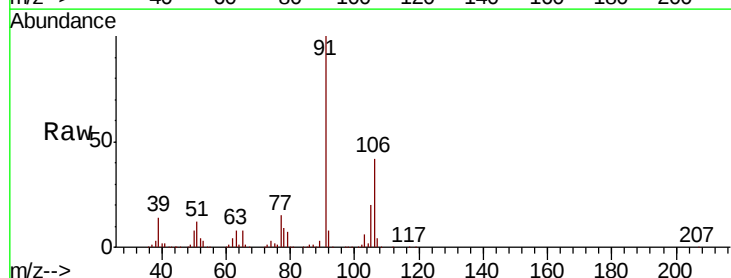
Acq: 6 Sep 2018 13:38

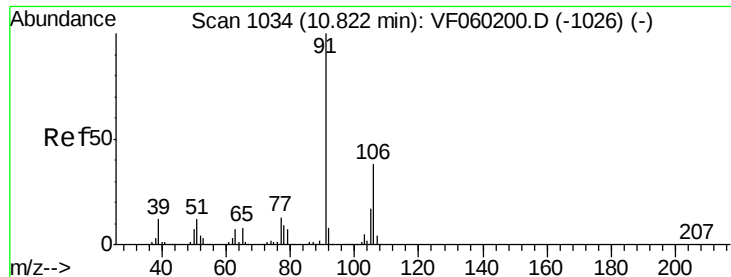
Tgt Ion: 106 Resp: 419370

Ion Ratio Lower Upper

106 100

91 240.1 194.6 291.8

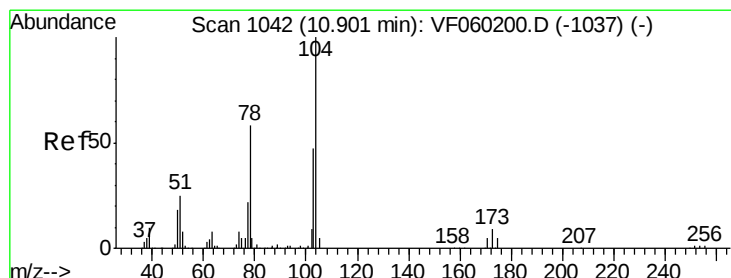
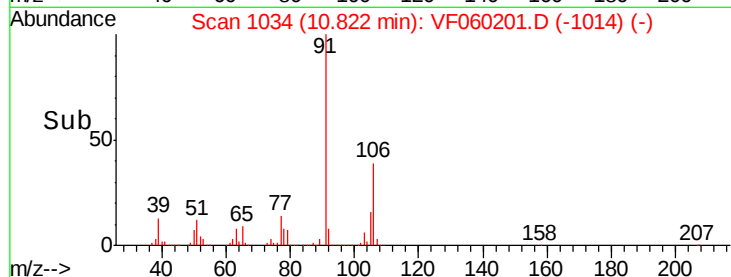
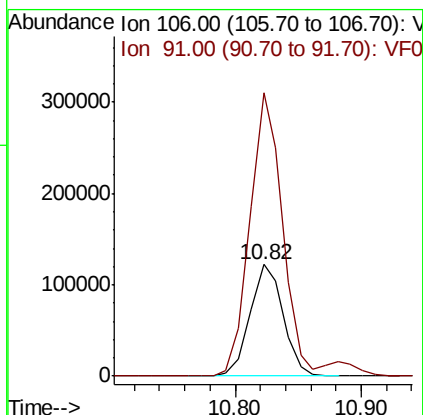
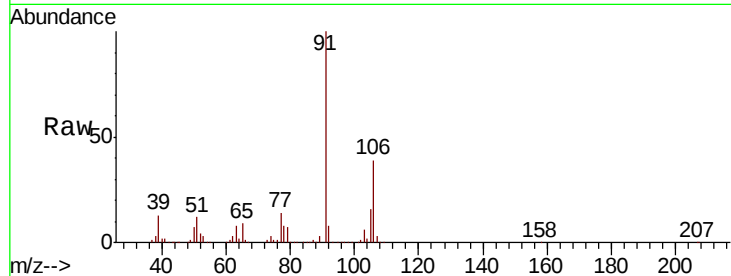




#69
o-Xylene
Concen: 68.042 ug/l
RT: 10.82 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VF060201.D
Acq: 6 Sep 2018 13:38

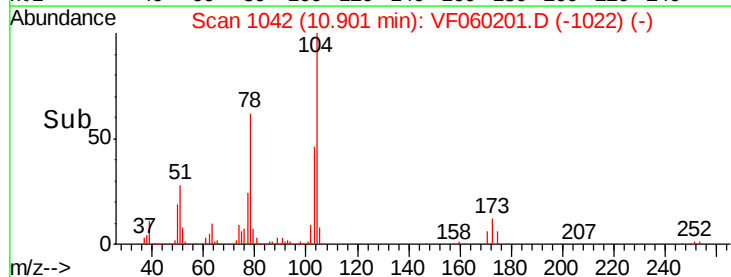
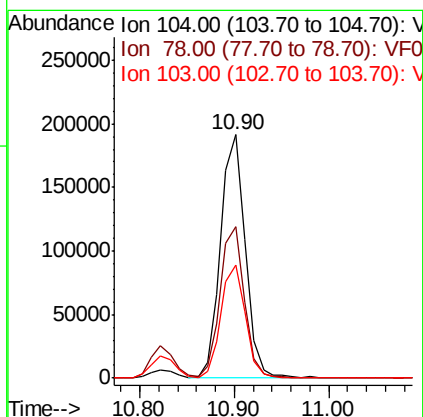
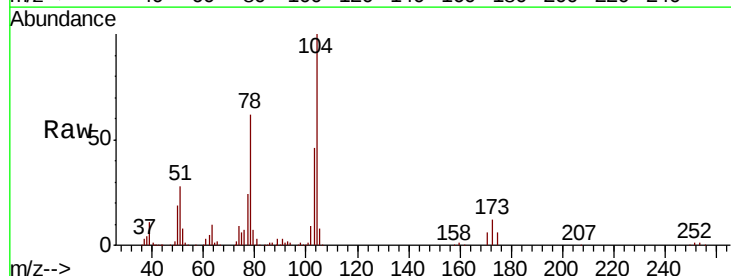
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

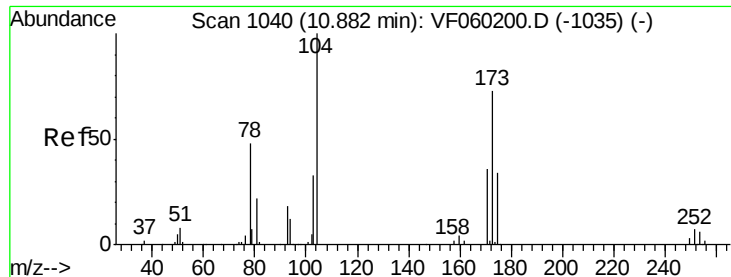
Tgt Ion:106 Resp: 224560
Ion Ratio Lower Upper
106 100
91 254.2 130.5 391.5



#70
Styrene
Concen: 69.239 ug/l
RT: 10.90 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VF060201.D
Acq: 6 Sep 2018 13:38

Tgt Ion:104 Resp: 345628
Ion Ratio Lower Upper
104 100
78 62.3 47.1 70.7
103 46.3 38.6 57.8





#71

Bromoform

Concen: 79.082 ug/l

RT: 10.88 min Scan# 1040

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

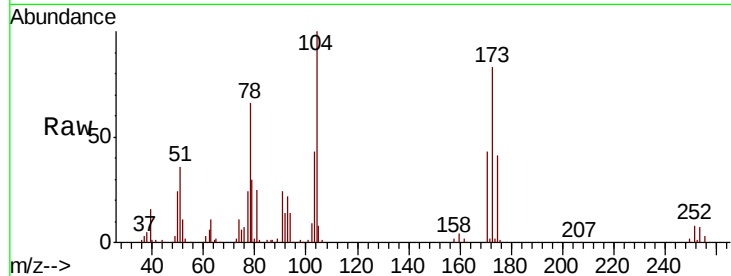
Tgt Ion:173 Resp: 100855

Ion Ratio Lower Upper

173 100

175 49.6 23.1 69.3

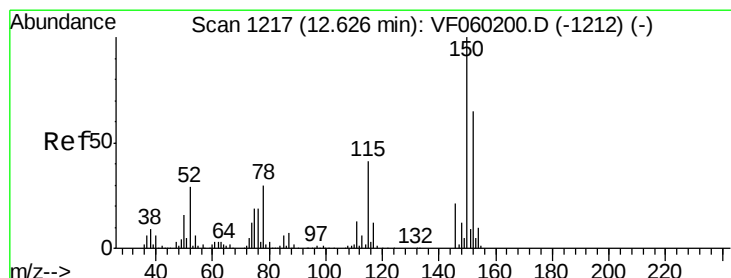
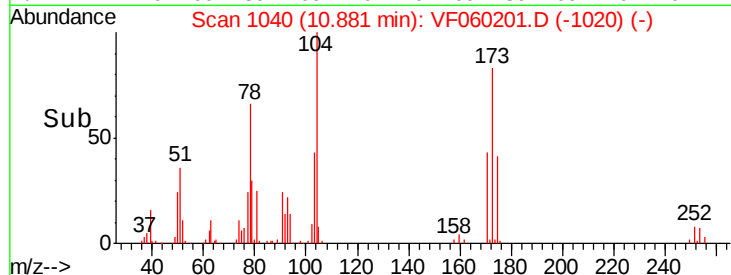
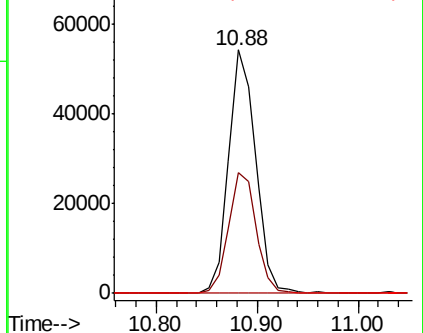
254 0.0 0.2 0.4#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

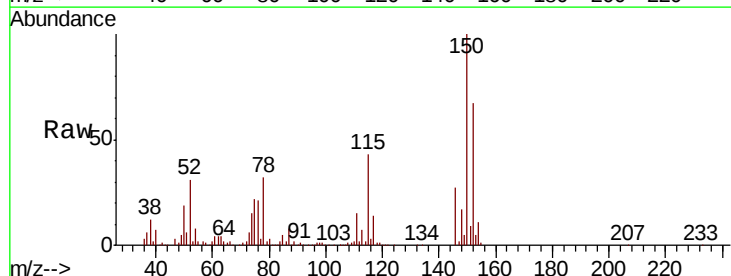
Tgt Ion:152 Resp: 148277

Ion Ratio Lower Upper

152 100

115 64.6 31.5 94.5

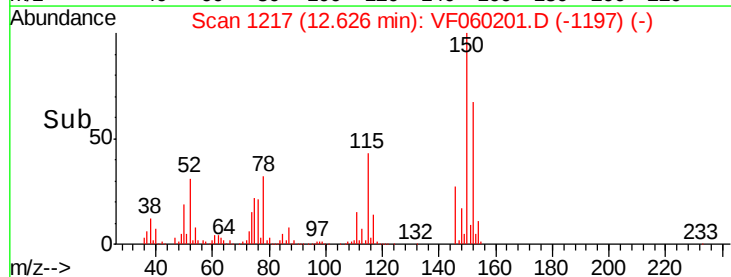
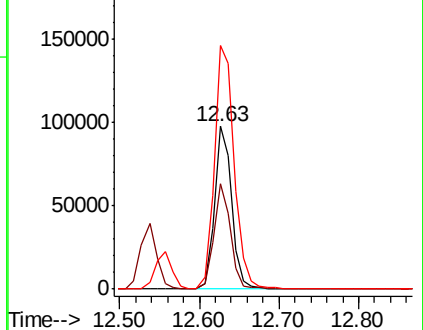
150 149.6 0.0 310.4

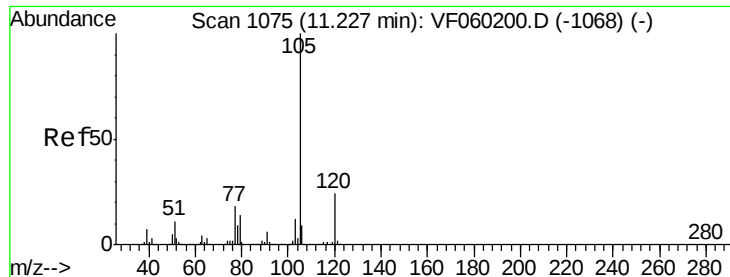


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 69.462 ug/l

RT: 11.23 min Scan# 1075

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

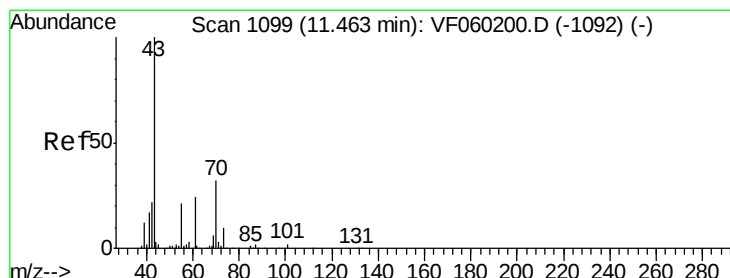
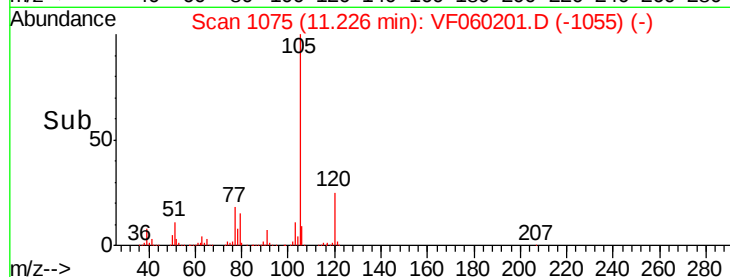
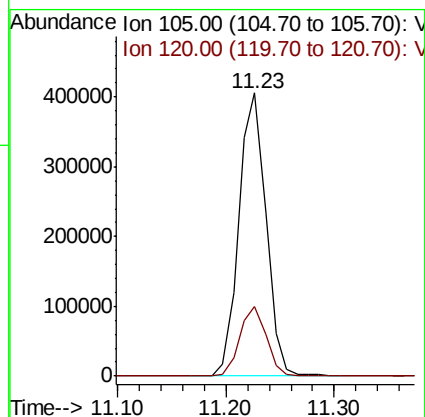
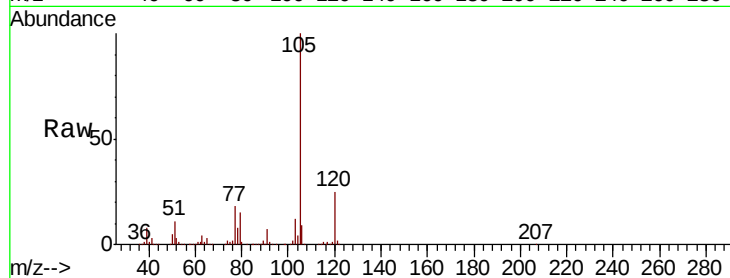
VSTDIC075

Tgt Ion: 105 Resp: 710277

Ion Ratio Lower Upper

105 100

120 24.8 11.8 35.3



#74

N-ethyl acetate

Concen: 90.474 ug/l

RT: 11.46 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Tgt Ion: 43 Resp: 153977

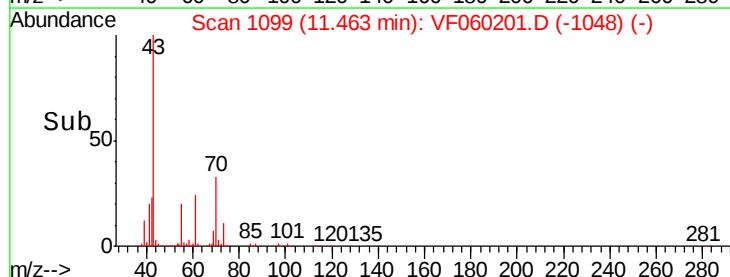
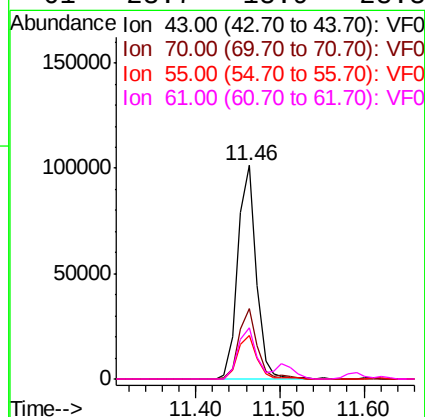
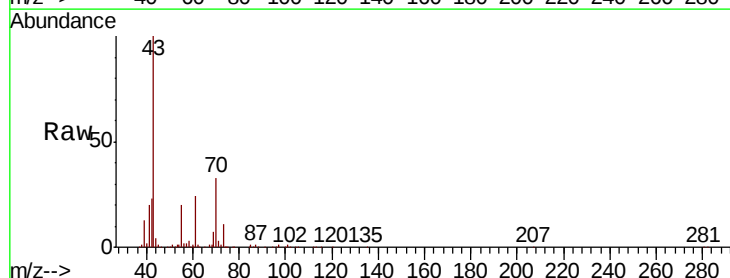
Ion Ratio Lower Upper

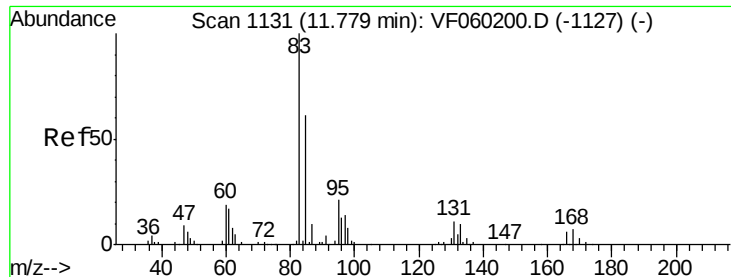
43 100

70 33.1 25.8 38.6

55 20.5 16.8 25.2

61 23.7 18.9 28.3





#75

1,1,2,2-Tetrachloroethane

Concen: 77.022 ug/l

RT: 11.78 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

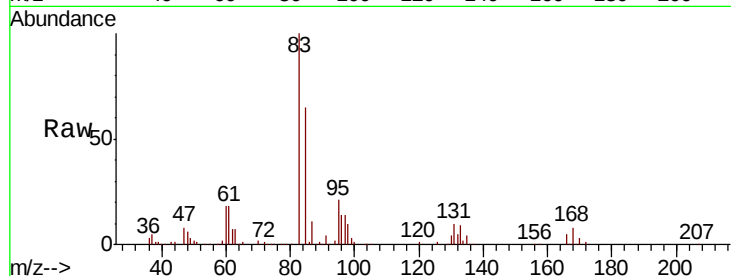
Tgt Ion: 83 Resp: 118291

Ion Ratio Lower Upper

83 100

131 10.2 5.5 16.4

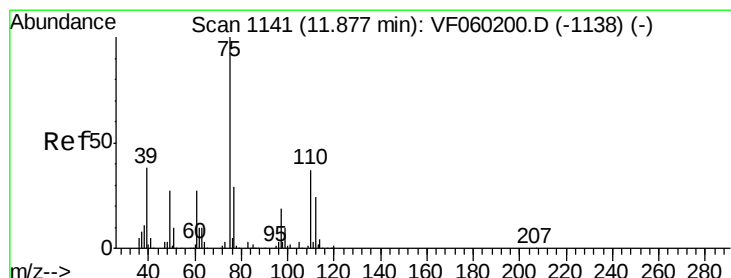
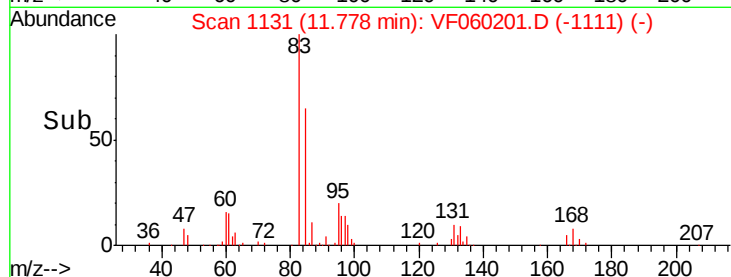
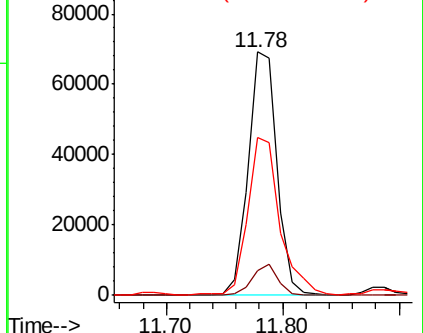
85 65.0 31.1 93.5



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): VF0

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 72.706 ug/l

RT: 11.89 min Scan# 1142

Delta R.T. 0.01 min

Lab File: VF060201.D

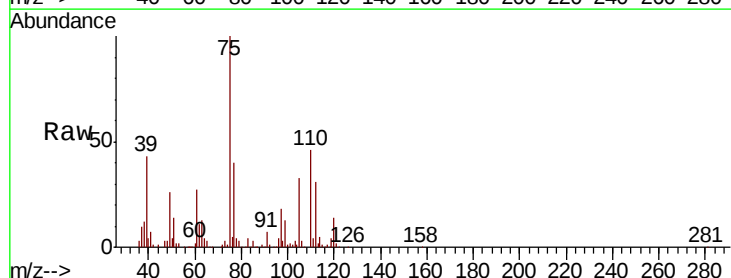
Acq: 6 Sep 2018 13:38

Tgt Ion: 75 Resp: 118102

Ion Ratio Lower Upper

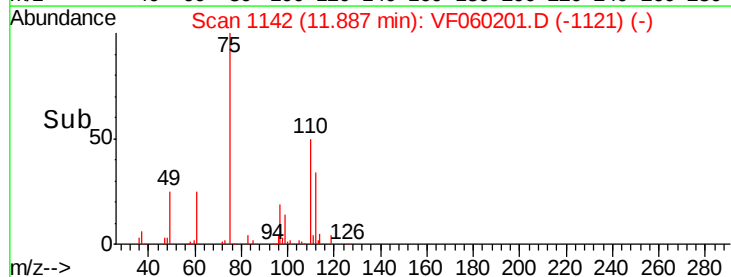
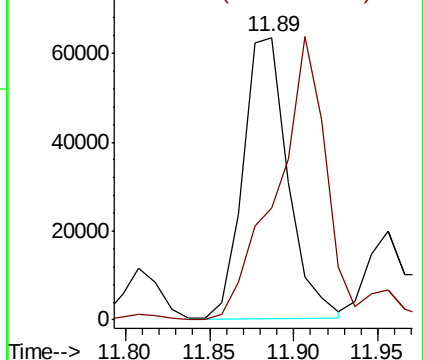
75 100

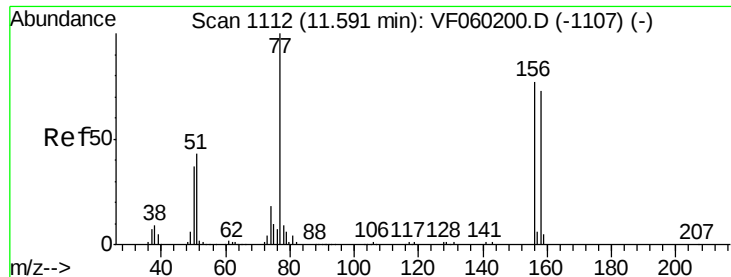
77 39.7 14.6 43.8



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 66.567 ug/l

RT: 11.59 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

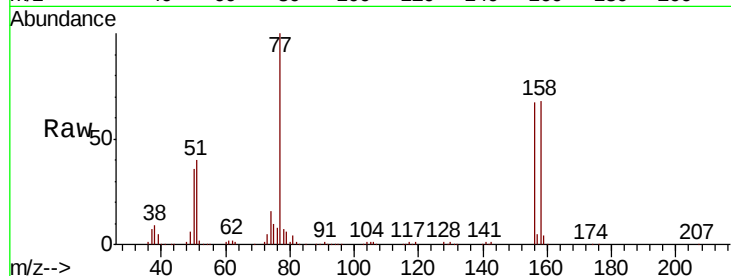
Tgt Ion: 156 Resp: 177587

Ion Ratio Lower Upper

156 100

77 149.6 64.8 194.3

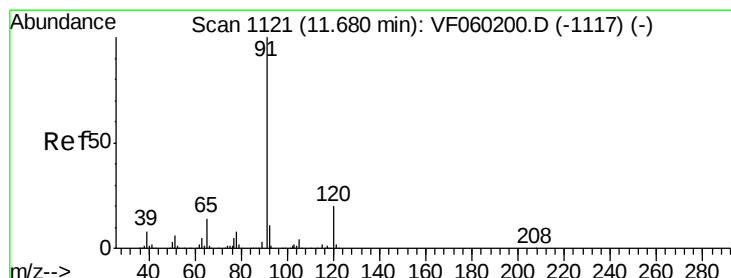
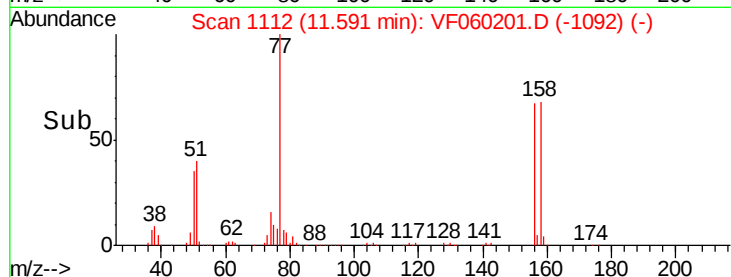
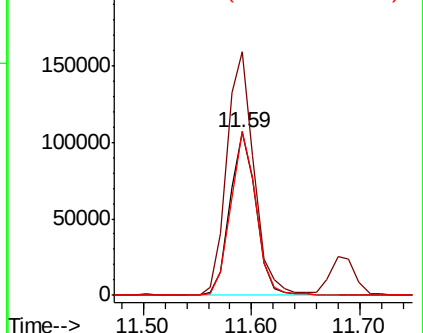
158 101.3 47.3 141.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 67.707 ug/l

RT: 11.68 min Scan# 1121

Delta R.T. -0.00 min

Lab File: VF060201.D

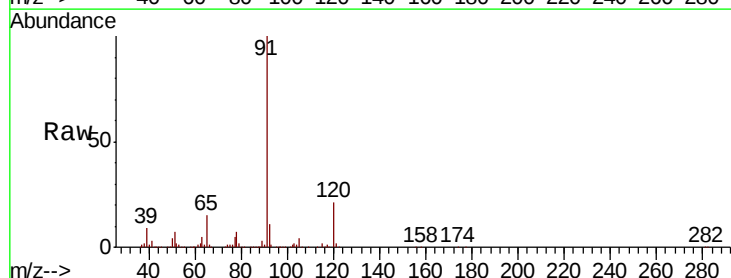
Acq: 6 Sep 2018 13:38

Tgt Ion: 91 Resp: 826248

Ion Ratio Lower Upper

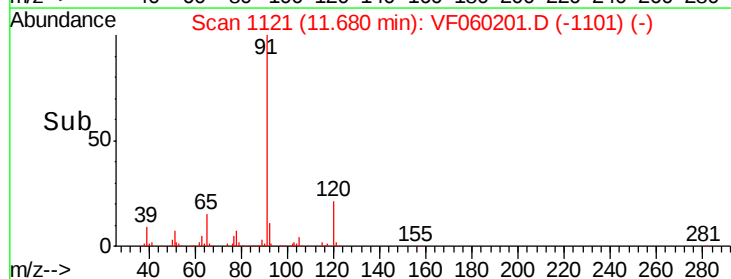
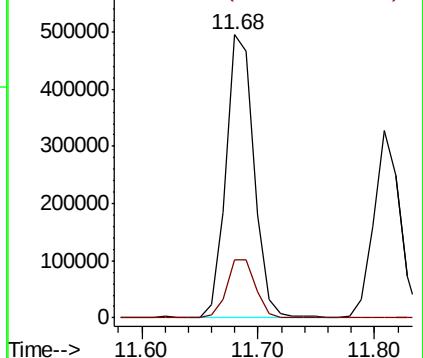
91 100

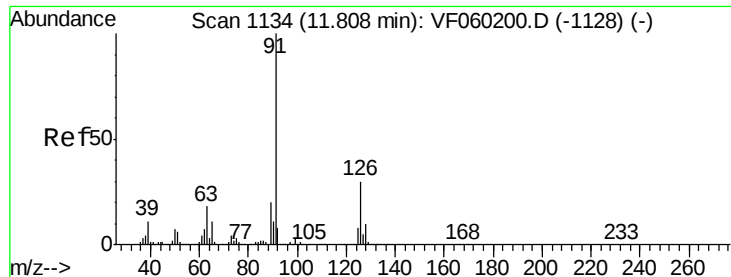
120 20.5 9.8 29.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 68.305 ug/l

RT: 11.81 min Scan# 1134

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

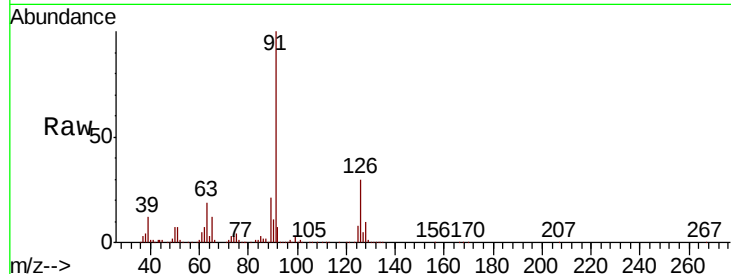
VSTDIC075

Tgt Ion: 91 Resp: 504218

Ion Ratio Lower Upper

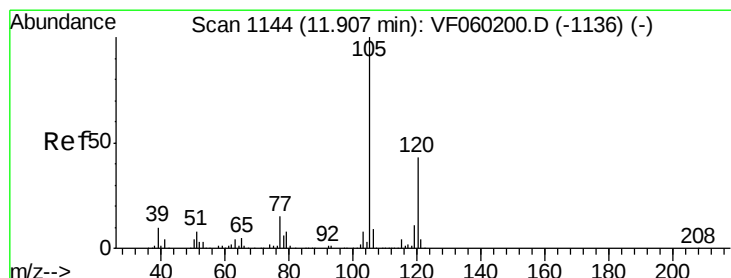
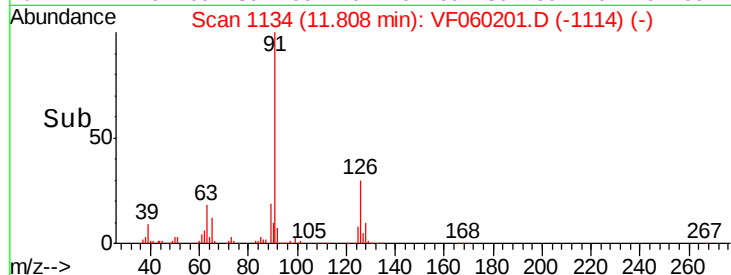
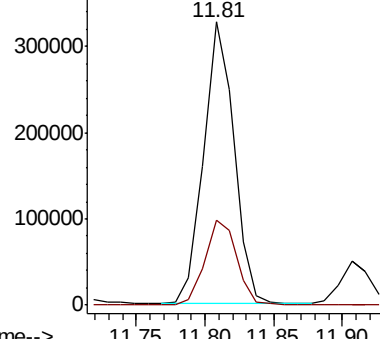
91 100

126 30.2 15.2 45.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



#80

1,3,5-Trimethylbenzene

Concen: 69.818 ug/l

RT: 11.91 min Scan# 1144

Delta R.T. -0.00 min

Lab File: VF060201.D

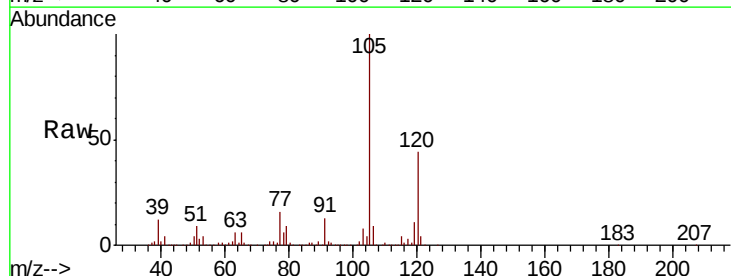
Acq: 6 Sep 2018 13:38

Tgt Ion: 105 Resp: 628645

Ion Ratio Lower Upper

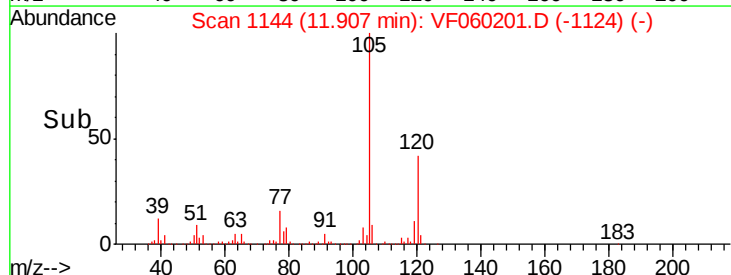
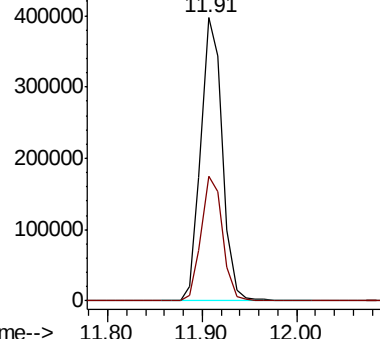
105 100

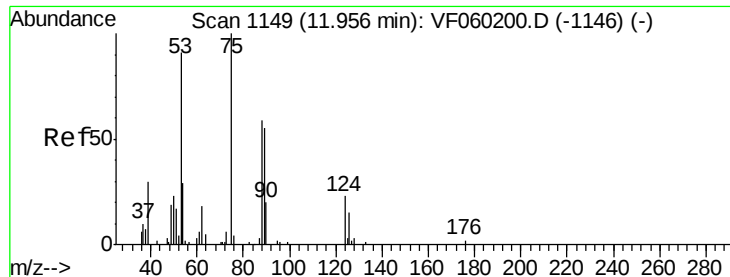
120 44.0 21.6 64.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 99.595 ug/l

RT: 11.96 min Scan# 1149

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

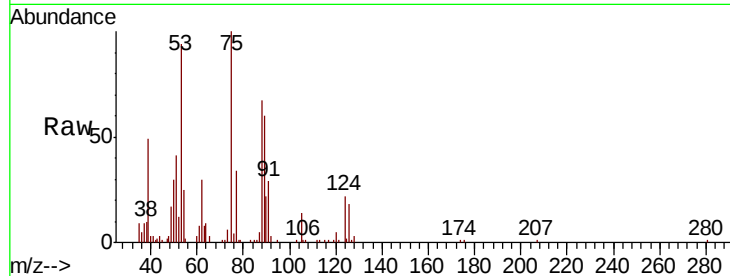
Tgt Ion: 75 Resp: 52203

Ion Ratio Lower Upper

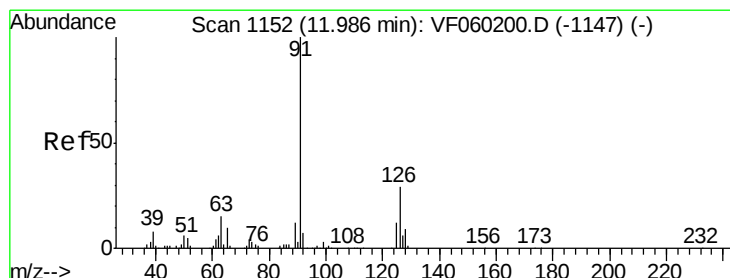
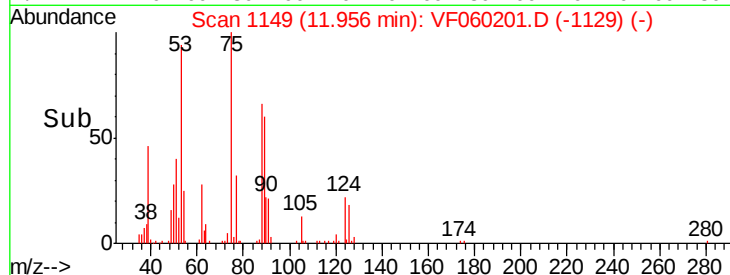
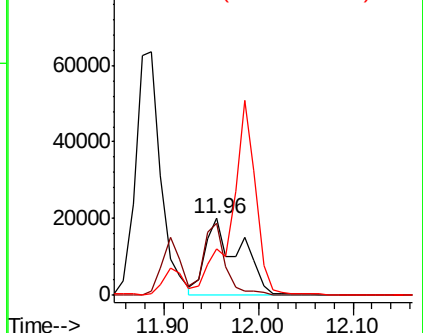
75 100

53 93.5 76.5 114.7

89 59.9 46.5 69.7



Abundance Ion 75.00 (74.70 to 75.70): VF0
Ion 53.00 (52.70 to 53.70): VF0
Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 68.669 ug/l

RT: 11.99 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF060201.D

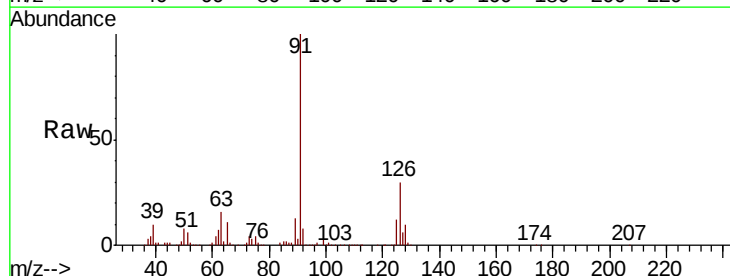
Acq: 6 Sep 2018 13:38

Tgt Ion: 91 Resp: 561974

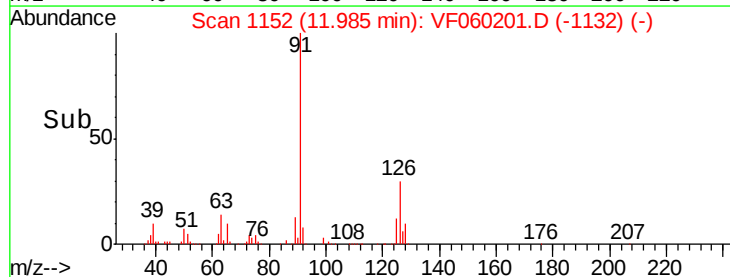
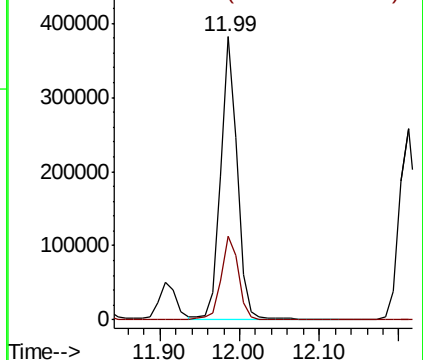
Ion Ratio Lower Upper

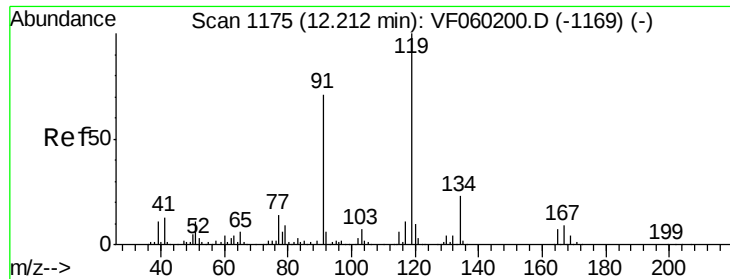
91 100

126 29.6 14.4 43.4



Abundance Ion 91.00 (90.70 to 91.70): VF0
Ion 126.00 (125.70 to 126.70): V

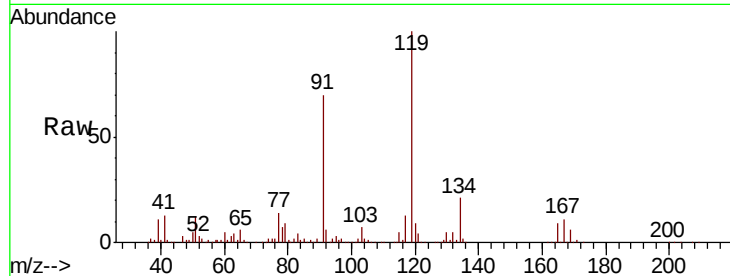




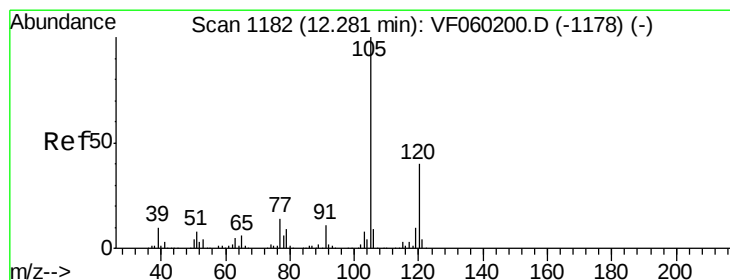
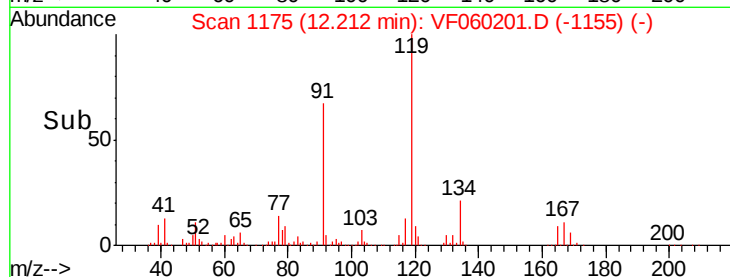
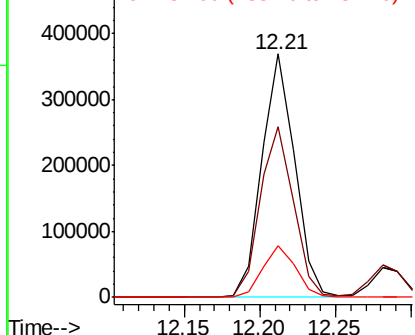
#83
 tert-Butylbenzene
 Concen: 68.490 ug/l
 RT: 12.21 min Scan# 1175
 Delta R.T. -0.00 min
 Lab File: VF060201.D
 Acq: 6 Sep 2018 13:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion:119 Resp: 558723
 Ion Ratio Lower Upper
 119 100
 91 69.9 35.8 107.4
 134 21.0 11.6 34.7

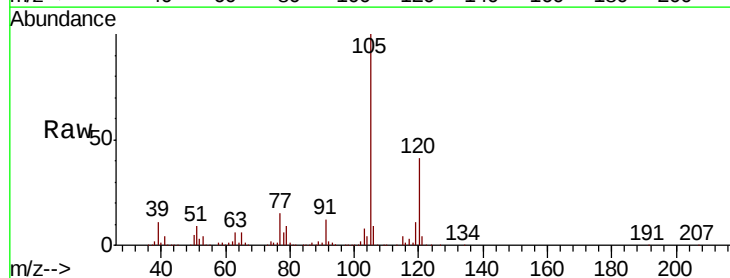


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): VF0
 Ion 134.00 (133.70 to 134.70): V

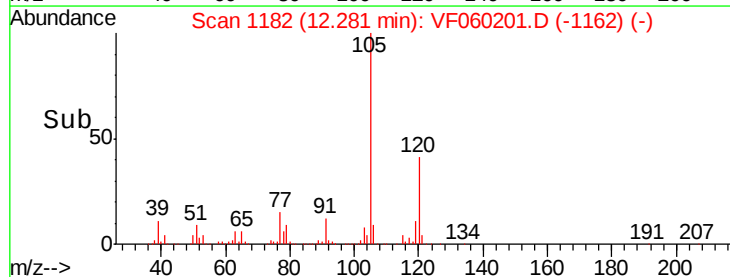
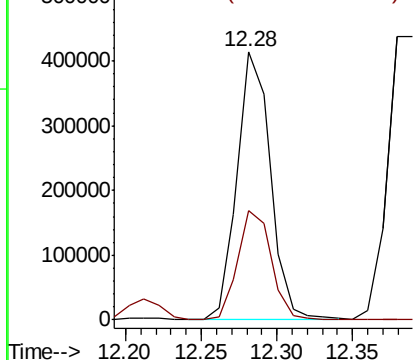


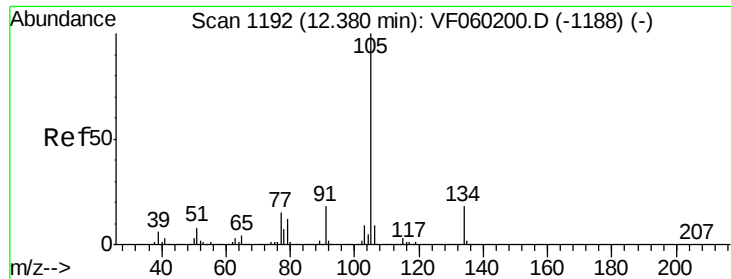
#84
 1,2,4-Trimethylbenzene
 Concen: 69.281 ug/l
 RT: 12.28 min Scan# 1182
 Delta R.T. -0.00 min
 Lab File: VF060201.D
 Acq: 6 Sep 2018 13:38

Tgt Ion:105 Resp: 635770
 Ion Ratio Lower Upper
 105 100
 120 40.9 20.2 60.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

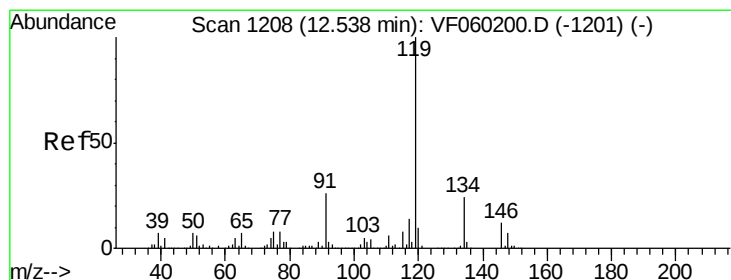
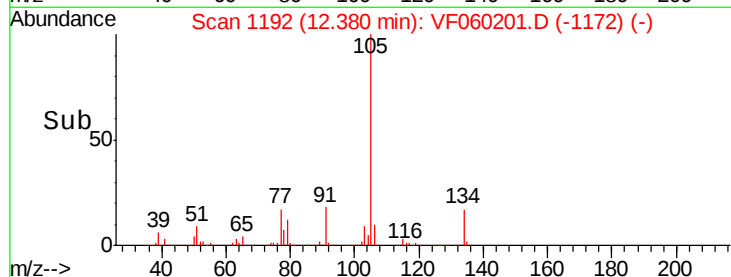
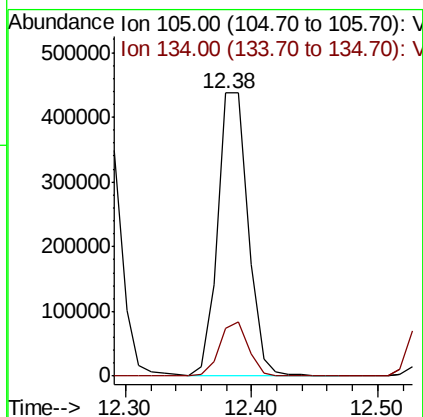
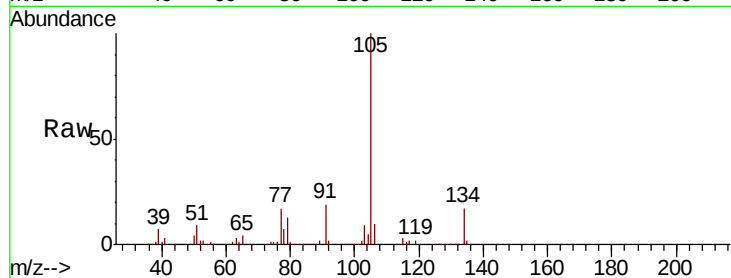




#85
 sec-Butylbenzene
 Concen: 65.488 ug/l
 RT: 12.38 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VF060201.D
 Acq: 6 Sep 2018 13:38

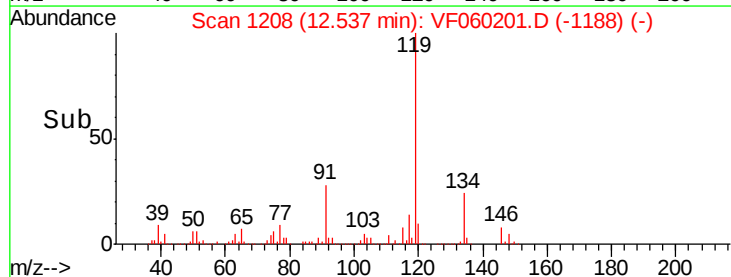
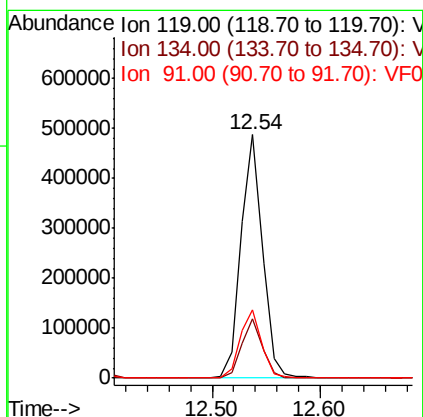
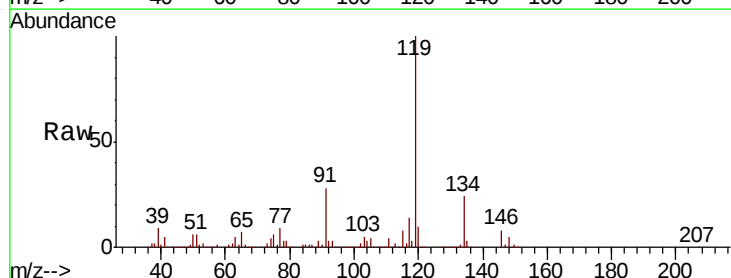
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

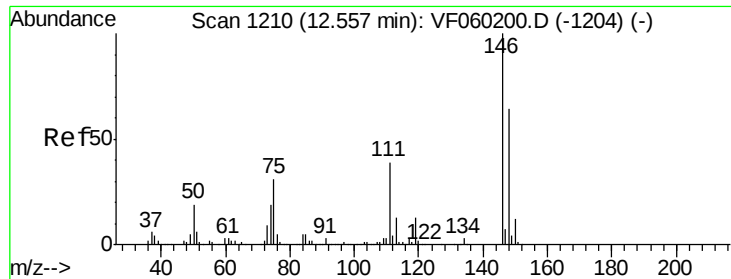
Tgt Ion:105 Resp: 733648
 Ion Ratio Lower Upper
 105 100
 134 17.1 8.8 26.5



#86
 p-Isopropyltoluene
 Concen: 67.404 ug/l
 RT: 12.54 min Scan# 1208
 Delta R.T. -0.00 min
 Lab File: VF060201.D
 Acq: 6 Sep 2018 13:38

Tgt Ion:119 Resp: 675560
 Ion Ratio Lower Upper
 119 100
 134 24.1 12.0 36.0
 91 27.9 12.9 38.7





#87

1,3-Dichlorobenzene

Concen: 64.779 ug/l

RT: 12.56 min Scan# 1210

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

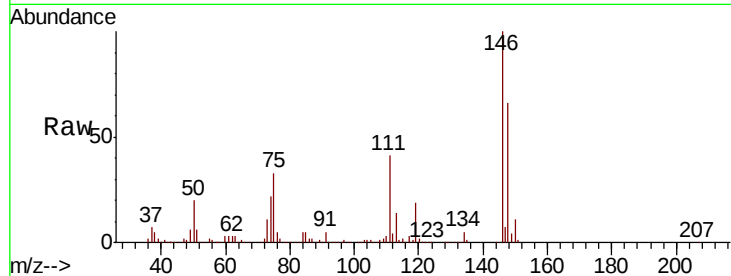
Tgt Ion:146 Resp: 314762

Ion Ratio Lower Upper

146 100

111 41.5 19.7 59.1

148 66.2 32.0 96.0

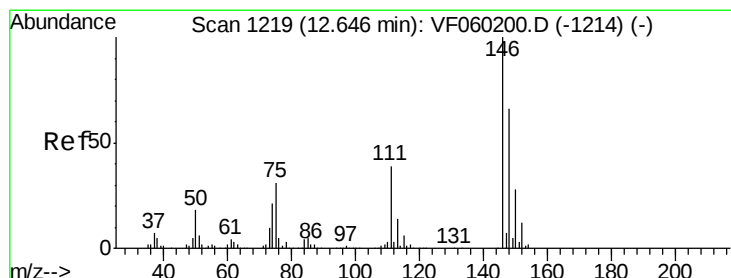
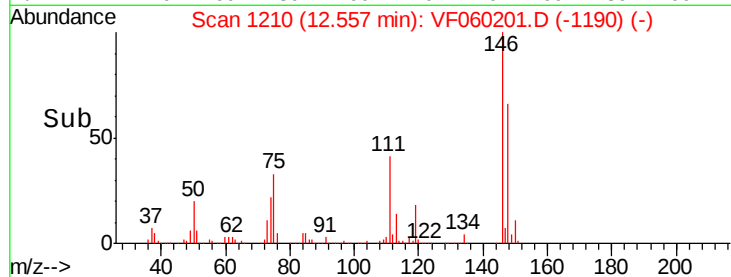
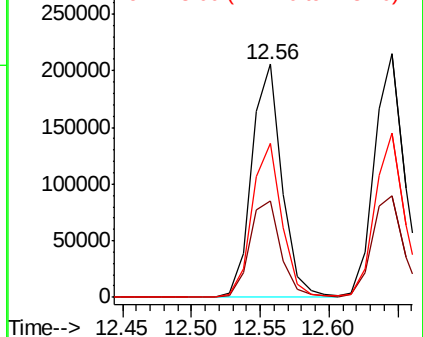


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: 68.179 ug/l

RT: 12.65 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

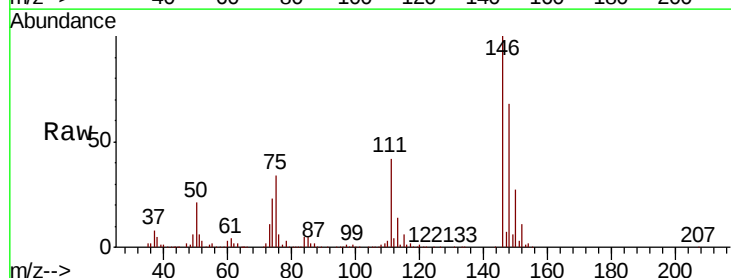
Tgt Ion:146 Resp: 326970

Ion Ratio Lower Upper

146 100

111 41.5 19.7 59.1

148 67.5 33.1 99.5

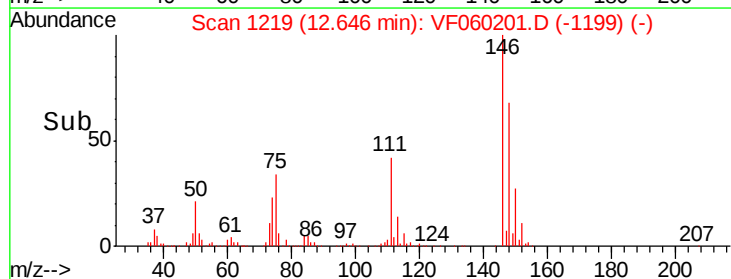
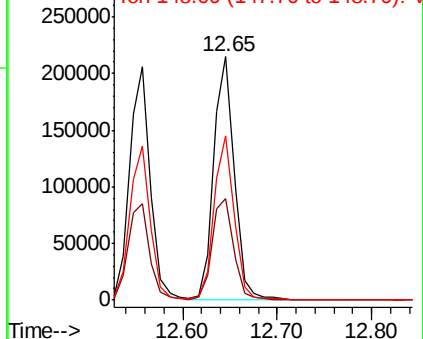


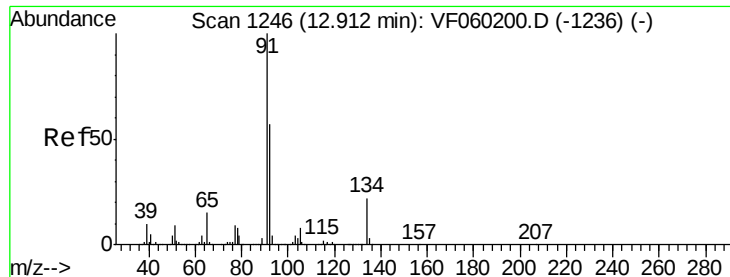
Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

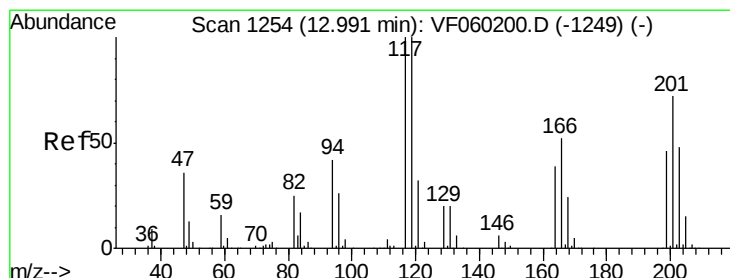
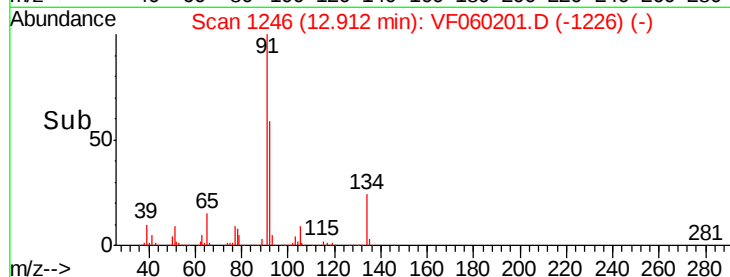
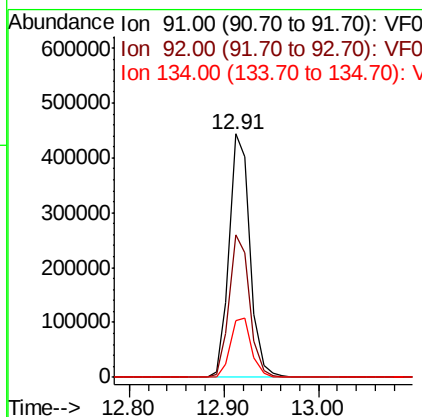
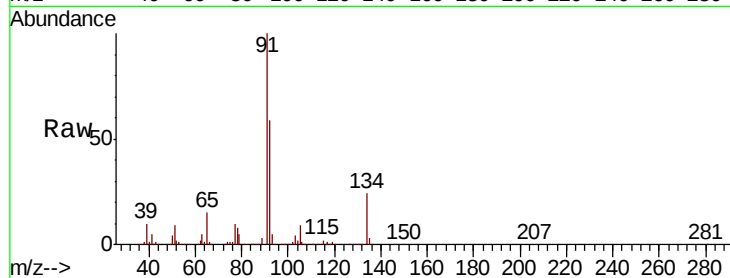




#89
n-Butylbenzene
Concen: 69.837 ug/l
RT: 12.91 min Scan# 1246
Delta R.T. -0.00 min
Lab File: VF060201.D
Acq: 6 Sep 2018 13:38

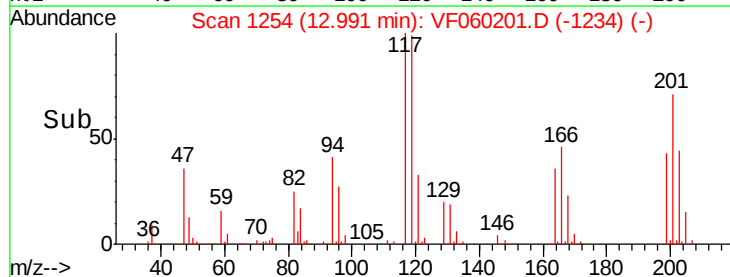
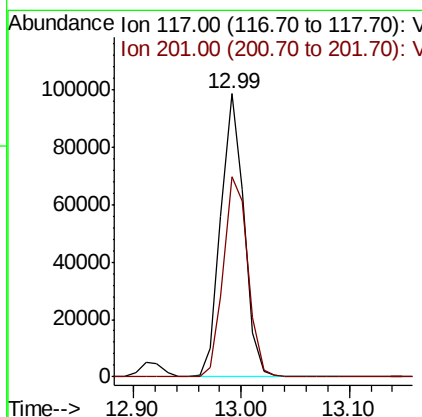
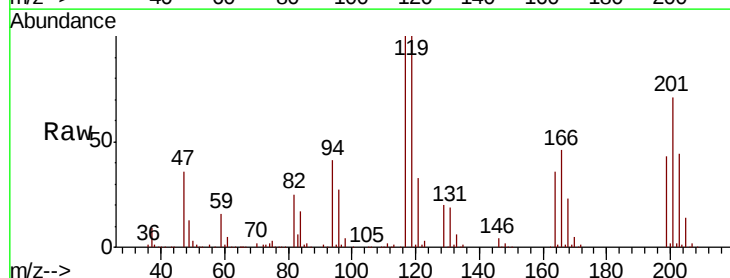
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

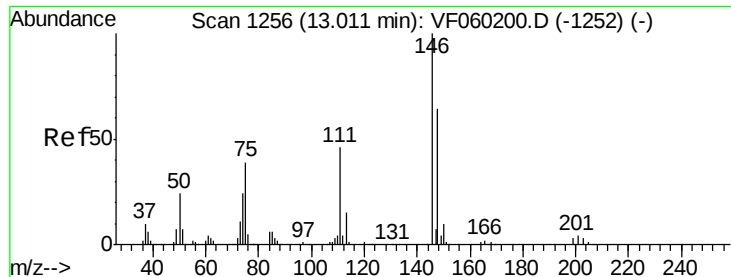
Tgt Ion: 91 Resp: 674828
Ion Ratio Lower Upper
91 100
92 58.5 28.4 85.3
134 23.5 11.1 33.3



#90
Hexachloroethane
Concen: 72.219 ug/l
RT: 12.99 min Scan# 1254
Delta R.T. -0.00 min
Lab File: VF060201.D
Acq: 6 Sep 2018 13:38

Tgt Ion: 117 Resp: 147249
Ion Ratio Lower Upper
117 100
201 70.7 35.7 107.1





#91

1,2-Dichlorobenzene

Concen: 68.143 ug/l

RT: 13.02 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

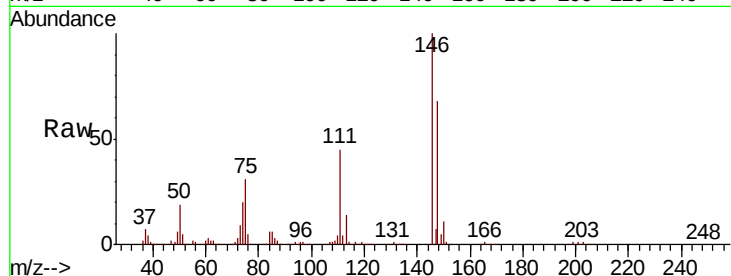
Tgt Ion:146 Resp: 315938

Ion Ratio Lower Upper

146 100

111 44.7 23.0 69.0

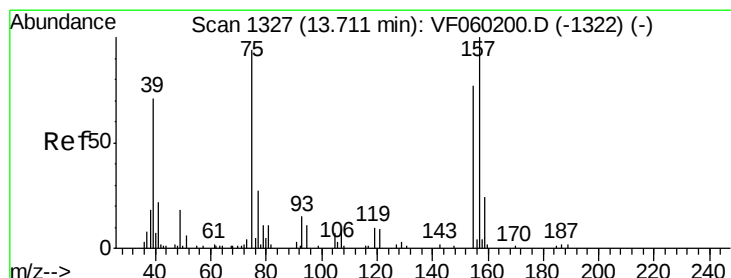
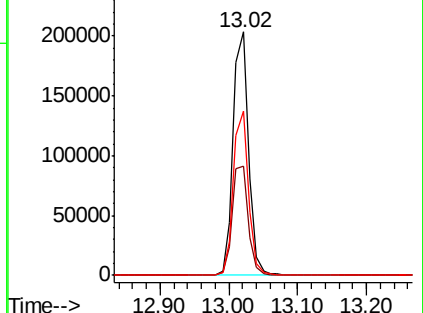
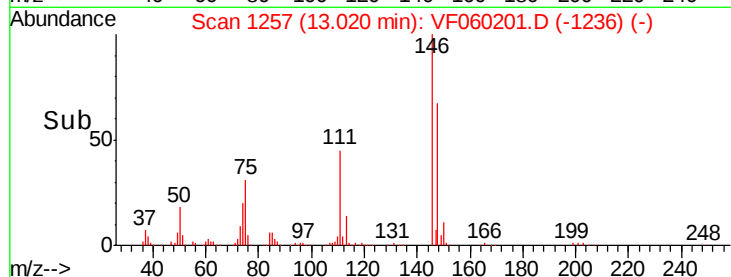
148 67.5 32.2 96.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 82.099 ug/l

RT: 13.71 min Scan# 1327

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

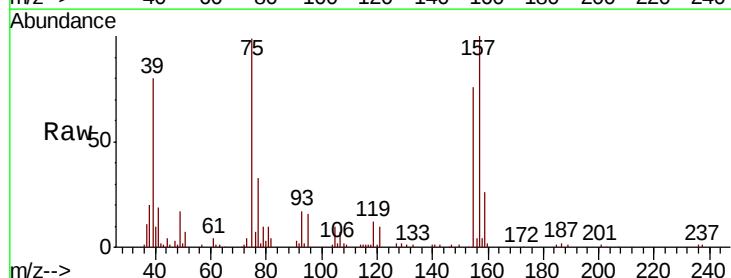
Tgt Ion: 75 Resp: 32152

Ion Ratio Lower Upper

75 100

155 76.3 40.8 122.5

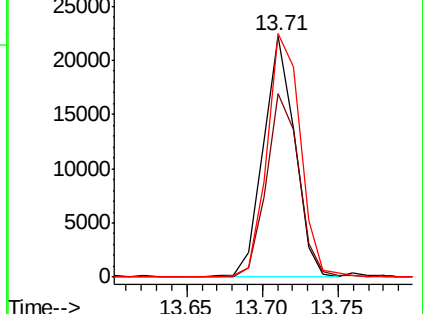
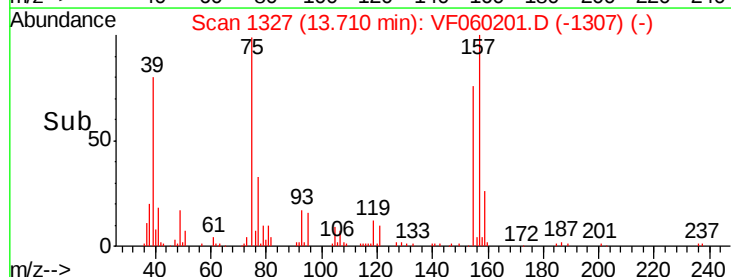
157 101.0 53.3 159.9

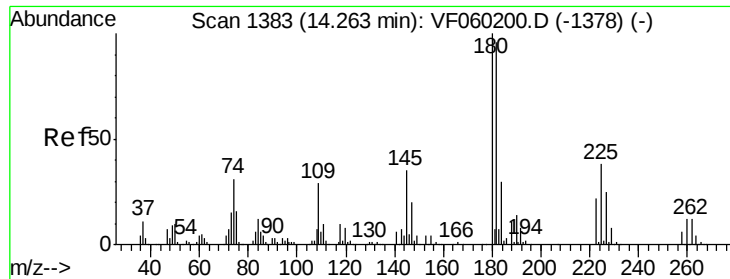


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

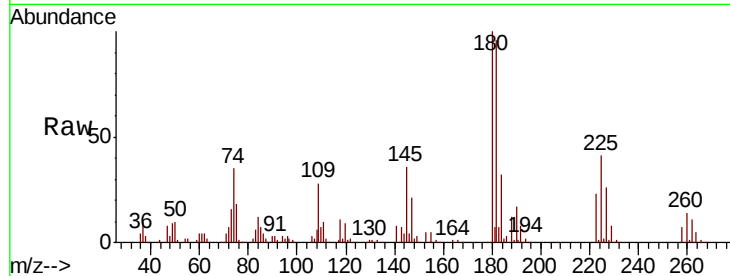




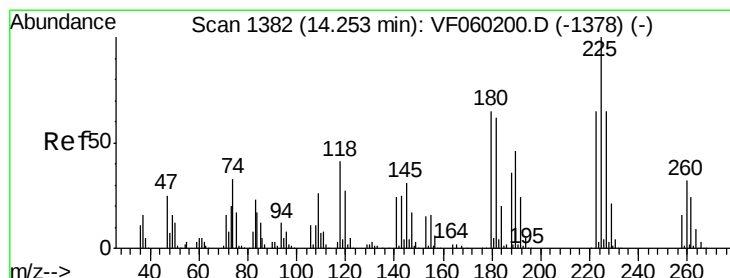
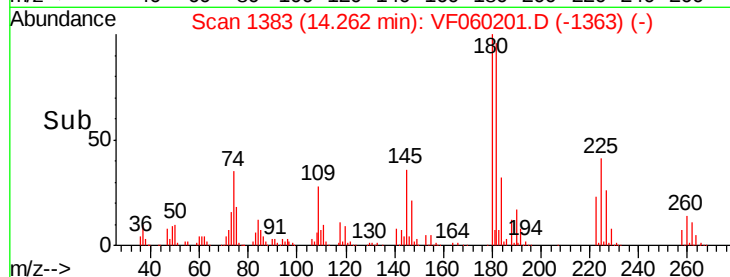
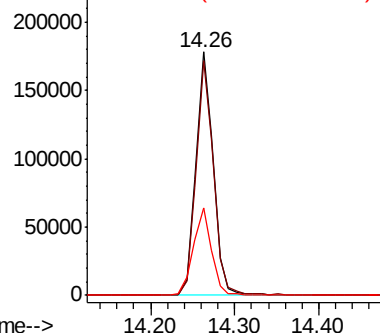
#93
 1,2,4-Trichlorobenzene
 Concen: 71.850 ug/l
 RT: 14.26 min Scan# 1383
 Delta R.T. -0.00 min
 Lab File: VF060201.D
 Acq: 6 Sep 2018 13:38

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion:180 Resp: 256877
 Ion Ratio Lower Upper
 180 100
 182 96.1 48.2 144.6
 145 35.9 17.4 52.2

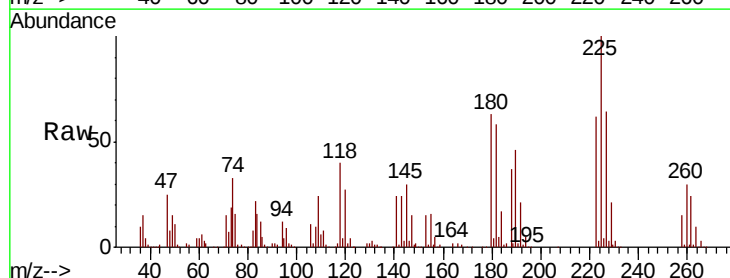


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

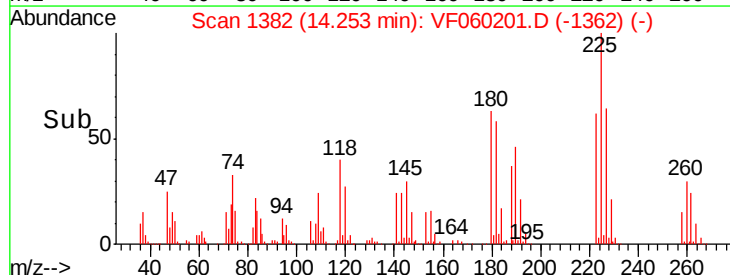
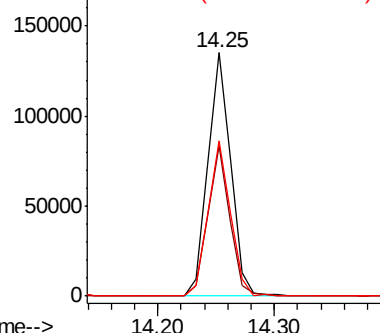


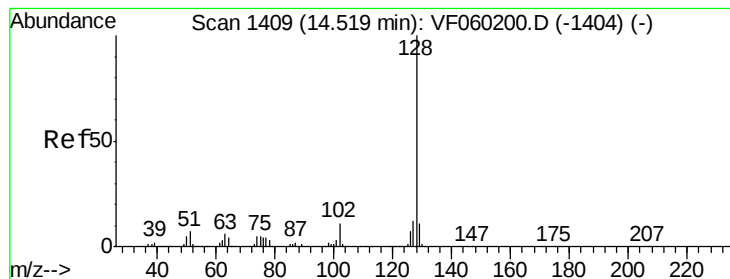
#94
 Hexachlorobutadiene
 Concen: 71.730 ug/l
 RT: 14.25 min Scan# 1382
 Delta R.T. -0.00 min
 Lab File: VF060201.D
 Acq: 6 Sep 2018 13:38

Tgt Ion:225 Resp: 183486
 Ion Ratio Lower Upper
 225 100
 223 61.6 32.3 96.8
 227 63.8 32.4 97.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#95

Naphthalene

Concen: 77.773 ug/l

RT: 14.52 min Scan# 1409

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

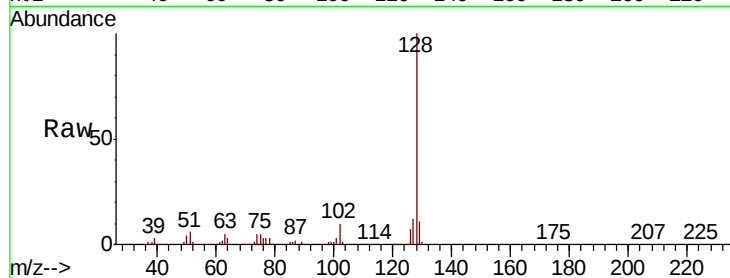
Tgt Ion:128 Resp: 388674

Ion Ratio Lower Upper

128 100

127 12.3 9.9 14.9

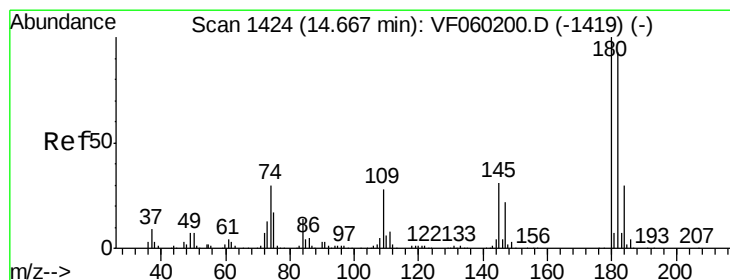
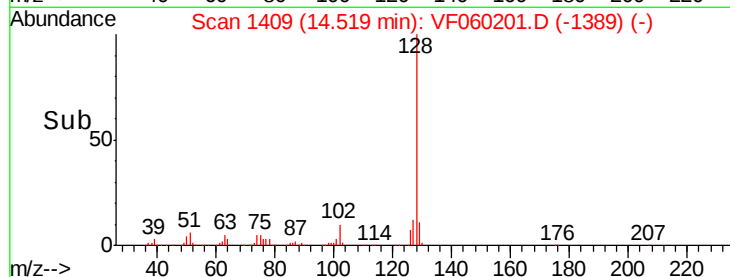
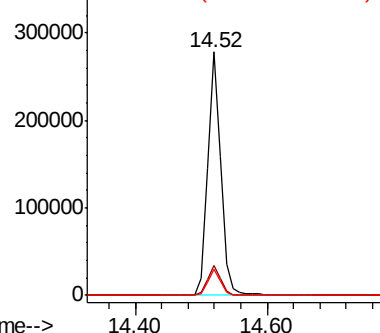
129 10.8 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 74.193 ug/l

RT: 14.67 min Scan# 1424

Delta R.T. -0.00 min

Lab File: VF060201.D

Acq: 6 Sep 2018 13:38

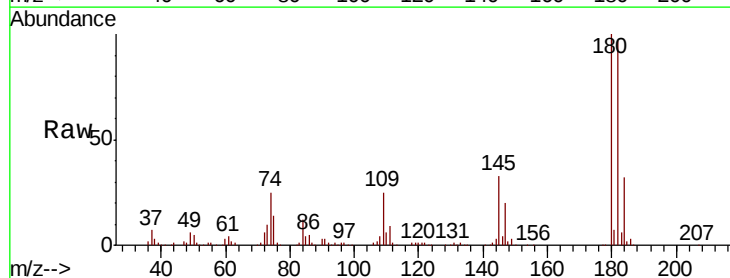
Tgt Ion:180 Resp: 248337

Ion Ratio Lower Upper

180 100

182 97.5 46.6 139.7

145 33.2 15.7 47.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

