

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060050.D
 Acq On : 23 Aug 2018 13:50
 Operator : VA/AP
 Sample : VF0823SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 23 15:21:48 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	204952	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	314914	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	344603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	207336	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.03	65	136854	48.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.58%	
35) Dibromofluoromethane	4.30	113	128101	51.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.60%	
50) Toluene-d8	7.72	98	343068	48.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.70%	
62) 4-Bromofluorobenzene	11.51	95	194802	52.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.95	85	55661	20.628	ug/l	95
3) Chloromethane	1.07	50	42288	22.079	ug/l	95
4) Vinyl Chloride	1.12	62	34632	20.672	ug/l	92
5) Bromomethane	1.32	94	25642	20.142	ug/l	96
6) Chloroethane	1.39	64	13690	20.730	ug/l	93
7) Trichlorofluoromethane	1.48	101	71745	21.296	ug/l	96
8) Diethyl Ether	1.70	74	12070	20.040	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	1.86	101	39120	22.122	ug/l	91
10) Methyl Iodide	1.93	142	48267	20.644	ug/l	92
11) Tert butyl alcohol	2.69	59	14612	97.919	ug/l #	73
12) 1,1-Dichloroethene	1.83	96	26256	20.153	ug/l	98
13) Acrolein	2.09	56	5377	79.093	ug/l	86
14) Allyl chloride	2.19	41	47699	20.614	ug/l	93
15) Acrylonitrile	3.07	53	30089	102.176	ug/l	95
16) Acetone	2.34	43	87852	119.168	ug/l	100
17) Carbon Disulfide	1.84	76	87448	21.438	ug/l	100
18) Methyl Acetate	2.45	43	30551	21.955	ug/l	92
19) Methyl tert-butyl Ether	2.54	73	84095	20.146	ug/l #	92
20) Methylene Chloride	2.27	84	33017	19.627	ug/l	95
21) trans-1,2-Dichloroethene	2.41	96	28519	19.563	ug/l	94
22) Diisopropyl ether	2.93	45	99525	19.208	ug/l	99
23) Vinyl Acetate	3.34	43	323685	117.924	ug/l	99
24) 1,1-Dichloroethane	3.00	63	66242	20.696	ug/l	99
25) 2-Butanone	4.51	43	107229	111.978	ug/l	100
26) 2,2-Dichloropropane	3.76	77	72877	22.007	ug/l	96
27) cis-1,2-Dichloroethene	3.64	96	46214	22.371	ug/l	88
28) Bromochloromethane	3.89	49	29253	21.647	ug/l #	76
29) Tetrahydrofuran	4.26	42	37795	104.538	ug/l	96
30) Chloroform	4.04	83	94804	21.101	ug/l	96
31) Cyclohexane	3.86	56	54675	22.418	ug/l	91
32) 1,1,1-Trichloroethane	4.28	97	83930	21.814	ug/l	99
36) 1,1-Dichloropropene	4.46	75	64512	21.799	ug/l	97
37) Ethyl Acetate	4.30	43	39558	22.351	ug/l #	88
38) Carbon Tetrachloride	4.18	117	73082	21.326	ug/l	96

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 22 04:43:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.63	83	61392	22.125	ug/l	86
40) Benzene	4.81	78	136146	21.060	ug/l	92
41) Methacrylonitrile	4.93	41	18589	20.765	ug/l	94
42) 1,2-Dichloroethane	5.12	62	70613	20.371	ug/l	97
43) Isopropyl Acetate	7.11	43	47737	21.430	ug/l #	93
44) Trichloroethene	5.68	130	49985	23.389	ug/l	94
45) 1,2-Dichloropropane	6.41	63	39510	21.606	ug/l	98
46) Dibromomethane	6.26	93	31554	22.052	ug/l	99
47) Bromodichloromethane	6.55	83	73886	21.378	ug/l	96
48) Methyl methacrylate	6.88	41	29807	20.221	ug/l	87
49) 1,4-Dioxane	6.87	88	6611	467.192	ug/l	91
51) 4-Methyl-2-Pentanone	8.41	43	224748	116.834	ug/l	98
52) Toluene	7.79	92	104195	22.340	ug/l	92
53) t-1,3-Dichloropropene	8.44	75	69118	22.053	ug/l	94
54) cis-1,3-Dichloropropene	7.46	75	78412	22.417	ug/l	93
55) 1,1,2-Trichloroethane	8.64	97	37071	21.252	ug/l	96
56) Ethyl methacrylate	8.76	69	44753	21.196	ug/l	98
57) 1,3-Dichloropropane	9.01	76	68153	22.229	ug/l	98
58) 2-Chloroethyl Vinyl ether	7.79	63	16771	100.069	ug/l	100
59) 2-Hexanone	9.64	43	191398	122.934	ug/l	100
60) Dibromochloromethane	8.87	129	54792	21.279	ug/l	95
61) 1,2-Dibromoethane	9.15	107	43767	21.365	ug/l	95
64) Tetrachloroethene	8.31	164	46147	19.879	ug/l	96
65) Chlorobenzene	9.94	112	136660	21.002	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.07	131	50291	20.377	ug/l	97
67) Ethyl Benzene	10.04	91	241801	21.536	ug/l	100
68) m/p-Xylenes	10.27	106	179343	43.472	ug/l	98
69) o-Xylene	10.83	106	99472	22.613	ug/l	96
70) Styrene	10.91	104	148765	22.043	ug/l	97
71) Bromoform	10.89	173	35657	20.708	ug/l	97
73) Isopropylbenzene	11.24	105	284980	22.834	ug/l	99
74) N-amyl acetate	11.47	43	84436	21.766	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	57099	20.949	ug/l	96
76) 1,2,3-Trichloropropane	11.89	75	43633	20.643	ug/l	92
77) Bromobenzene	11.60	156	74391	21.918	ug/l	99
78) n-propylbenzene	11.69	91	340102	22.079	ug/l	98
79) 2-Chlorotoluene	11.82	91	194225	21.443	ug/l	99
80) 1,3,5-Trimethylbenzene	11.92	105	240838	22.150	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.96	75	25540	26.408	ug/l	96
82) 4-Chlorotoluene	11.99	91	214293	21.791	ug/l	99
83) tert-Butylbenzene	12.22	119	235726	22.228	ug/l	98
84) 1,2,4-Trimethylbenzene	12.29	105	250434	21.665	ug/l	97
85) sec-Butylbenzene	12.39	105	326612	22.123	ug/l	97
86) p-Isopropyltoluene	12.55	119	270618	22.094	ug/l	97
87) 1,3-Dichlorobenzene	12.57	146	136328	21.723	ug/l	96
88) 1,4-Dichlorobenzene	12.64	146	131660	21.110	ug/l	98
89) n-Butylbenzene	12.92	91	282767	23.762	ug/l	99
90) Hexachloroethane	13.00	117	59707	21.693	ug/l	89
91) 1,2-Dichlorobenzene	13.02	146	129493	21.455	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.72	75	10785	19.363	ug/l	96

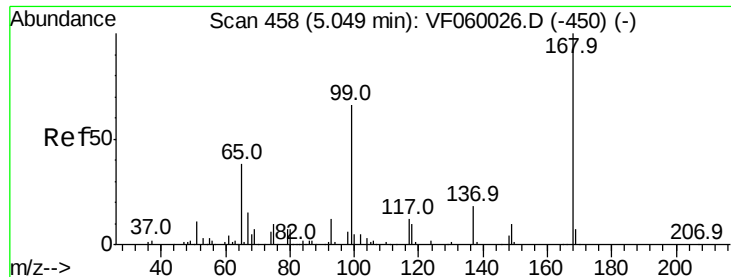
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082318\
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MSVOA_F
ClientSampleId :

Quant Time: Aug 23 15:21:48 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F082118S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.27	180	98042	22.060	ug/l	98
94) Hexachlorobutadiene	14.26	225	62014	22.418	ug/l	98
95) Naphthalene	14.53	128	139240	19.517	ug/l	100
96) 1,2,3-Trichlorobenzene	14.68	180	93703	22.098	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

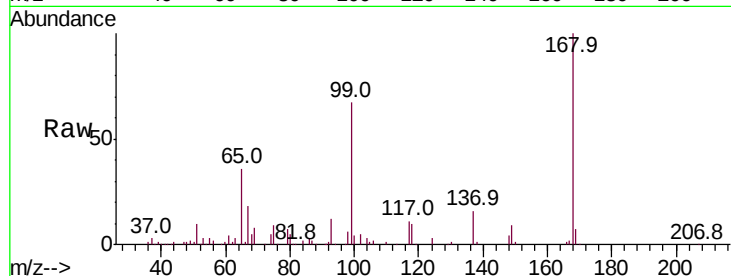
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 204952

Ion Ratio Lower Upper

168 100

99 66.7 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

80000

60000

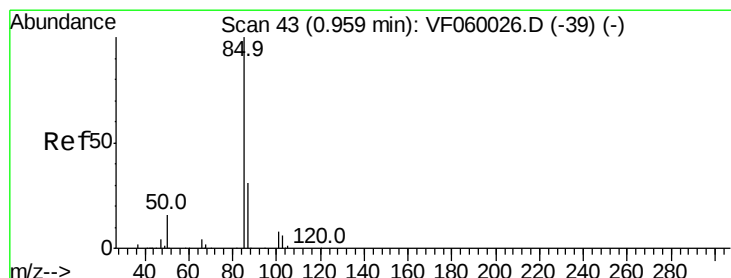
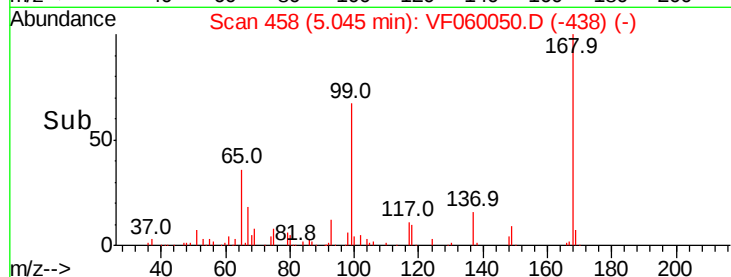
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 20.628 ug/l

RT: 0.95 min Scan# 43

Delta R.T. -0.00 min

Lab File: VF060050.D

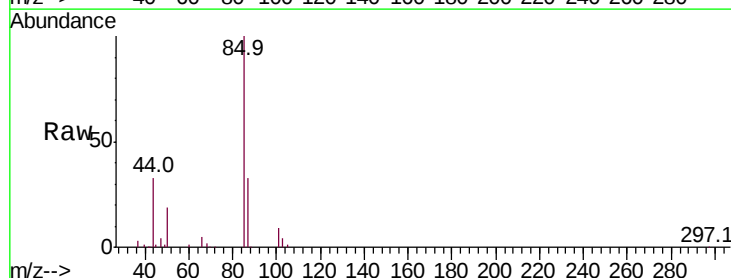
Acq: 23 Aug 2018 13:50

Tgt Ion: 85 Resp: 55661

Ion Ratio Lower Upper

85 100

87 33.3 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.95

40000

30000

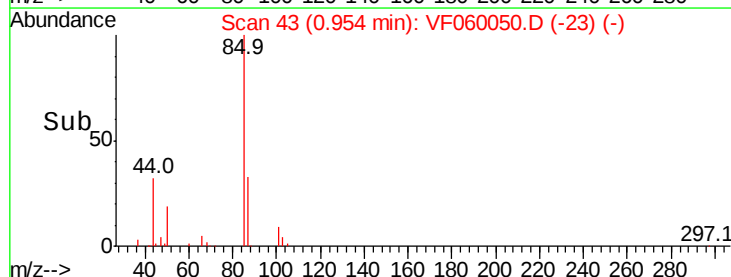
20000

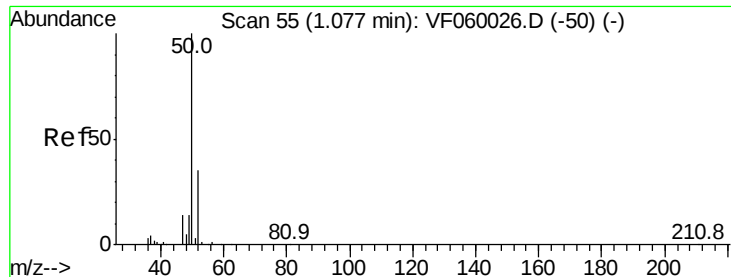
10000

0

Time-->

0.90 0.95 1.00 1.05





#3

Chloromethane

Concen: 22.079 ug/l

RT: 1.07 min Scan# 55

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

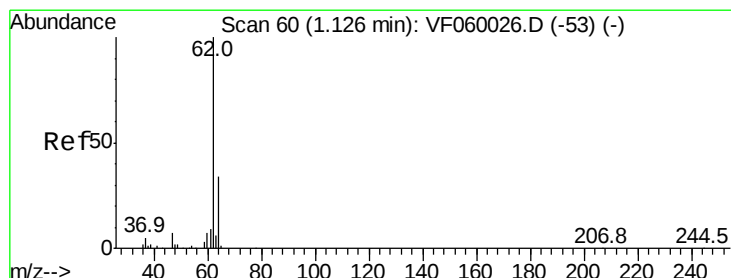
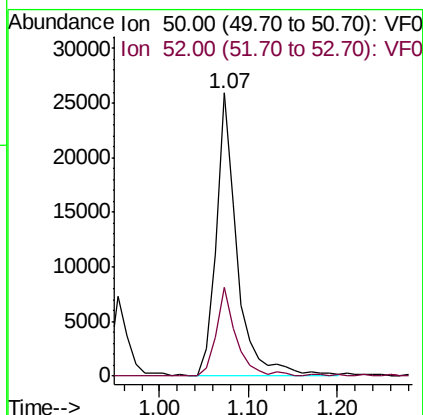
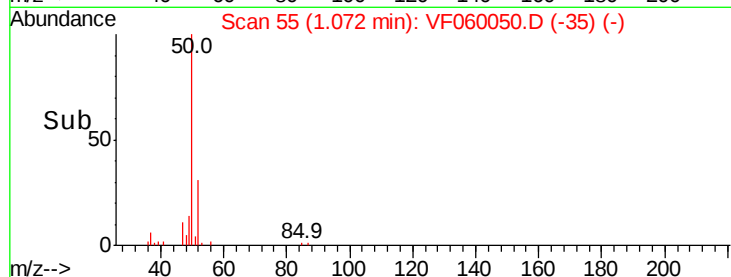
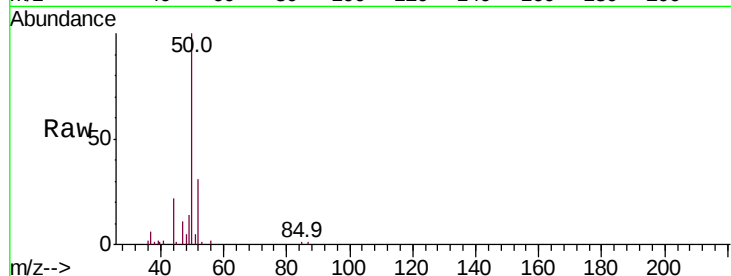
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 50 Resp: 42288

Ion Ratio Lower Upper

50 100

52 31.4 27.6 41.4



#4

Vinyl Chloride

Concen: 20.672 ug/l

RT: 1.12 min Scan# 60

Delta R.T. -0.00 min

Lab File: VF060050.D

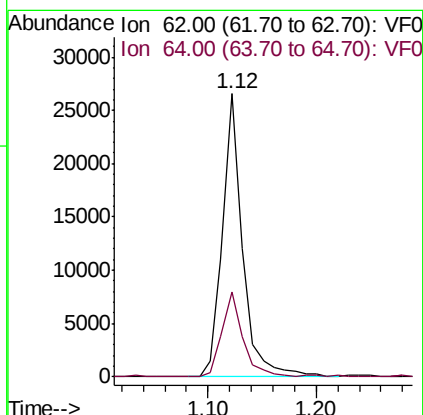
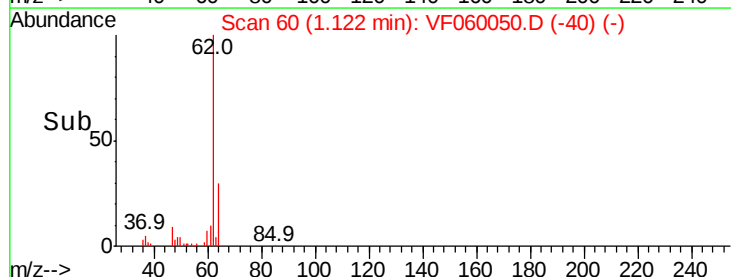
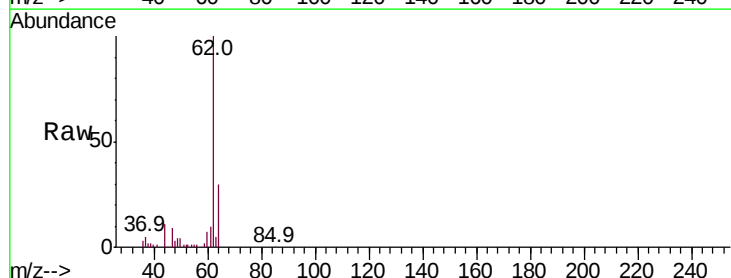
Acq: 23 Aug 2018 13:50

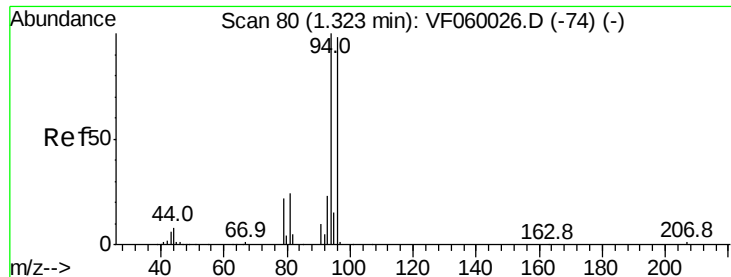
Tgt Ion: 62 Resp: 34632

Ion Ratio Lower Upper

62 100

64 29.8 27.4 41.2





#5

Bromomethane

Concen: 20.142 ug/l

RT: 1.32 min Scan# 80

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

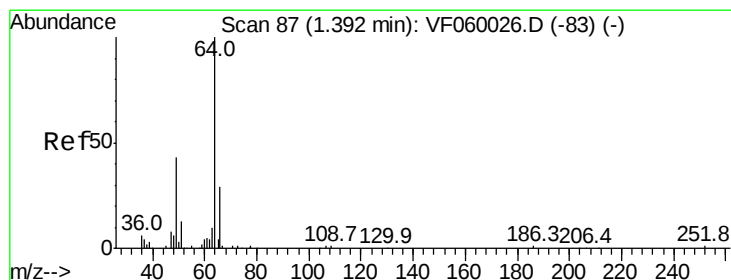
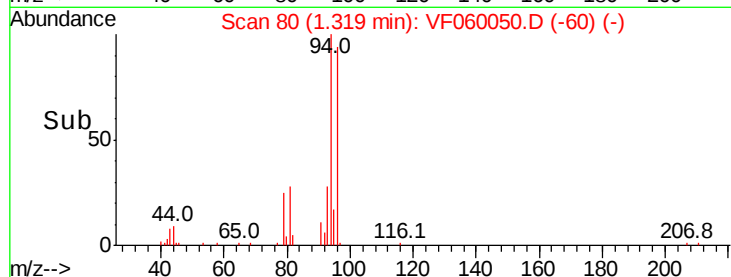
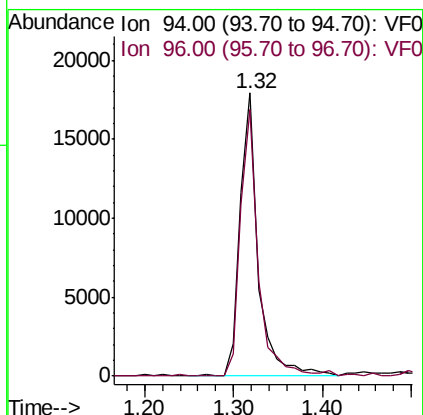
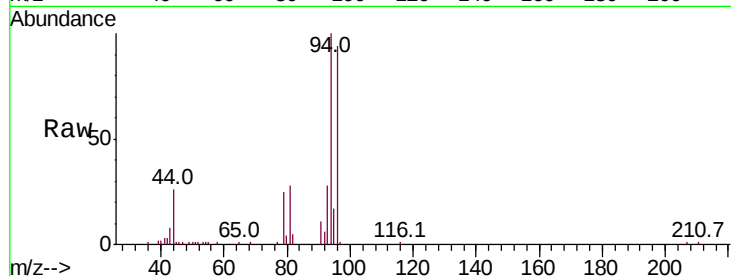
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 25642

Ion Ratio Lower Upper

94 100

96 94.2 78.6 118.0



#6

Chloroethane

Concen: 20.730 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF060050.D

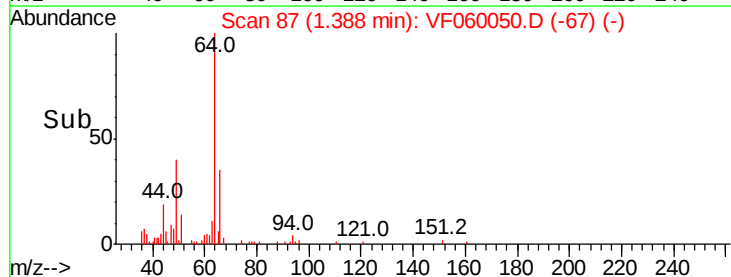
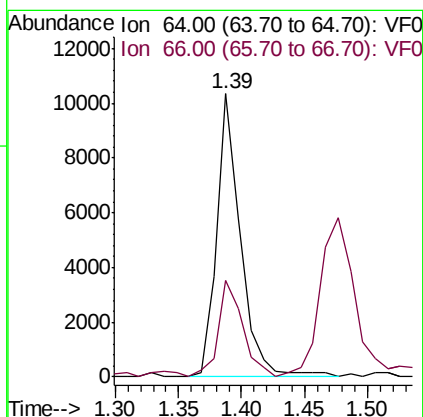
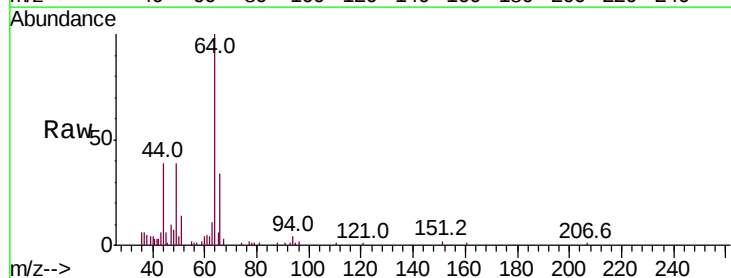
Acq: 23 Aug 2018 13:50

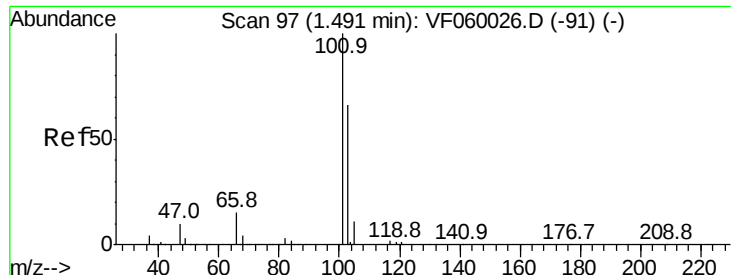
Tgt Ion: 64 Resp: 13690

Ion Ratio Lower Upper

64 100

66 34.1 24.1 36.1





#7

Trichlorofluoromethane

Concen: 21.296 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.01 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

Instrument :

MSVOA_F

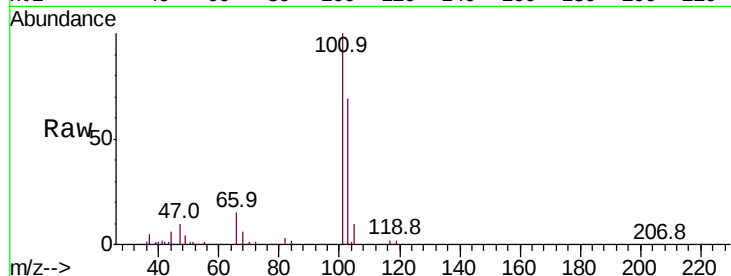
ClientSampleId :

Tot Ion:101 Resp: 71745

Ion Ratio Lower Upper

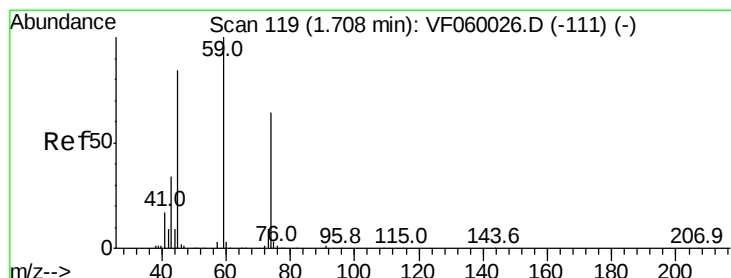
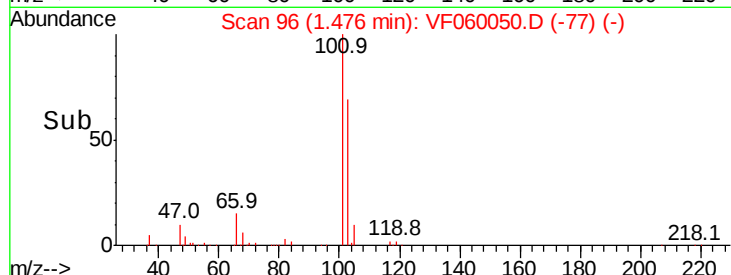
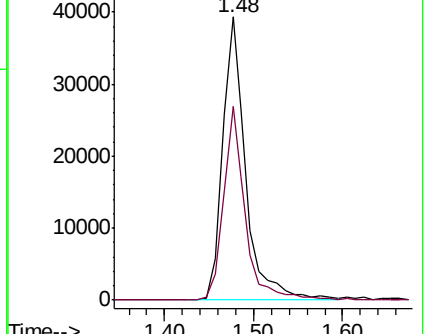
101 100

103 68.7 52.5 78.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 20.040 ug/l

RT: 1.70 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF060050.D

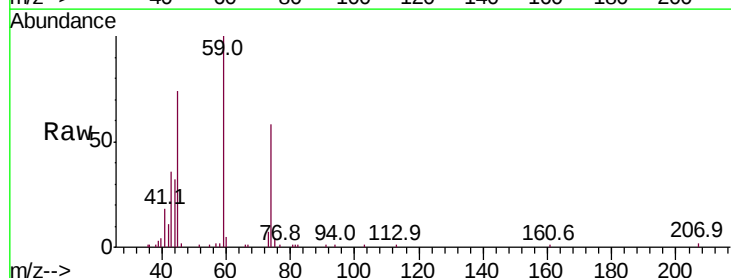
Acq: 23 Aug 2018 13:50

Tgt Ion: 74 Resp: 12070

Ion Ratio Lower Upper

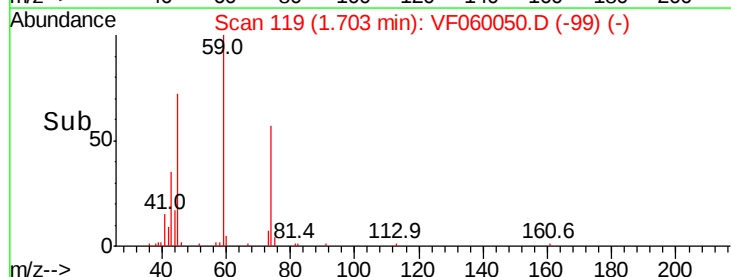
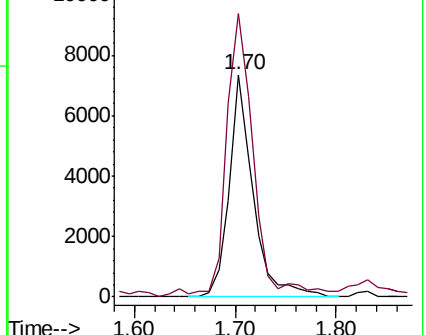
74 100

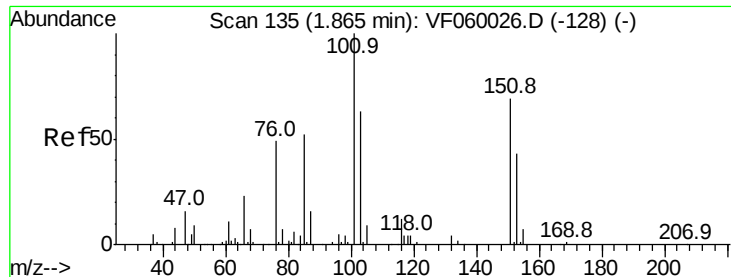
45 127.3 66.0 198.0



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: 22.122 ug/l

RT: 1.86 min Scan# 135

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

Instrument :

MSVOA_F

ClientSampleId :

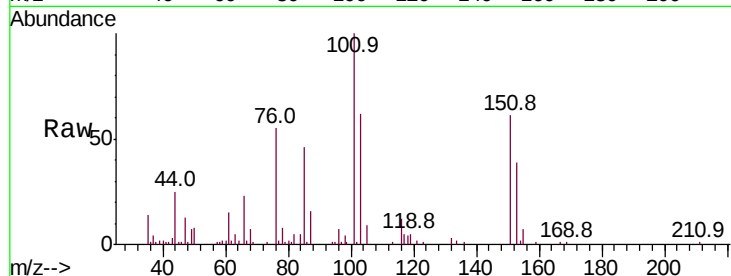
Tot Ion:101 Resp: 39120

Ion Ratio Lower Upper

101 100

85 46.0 41.5 62.3

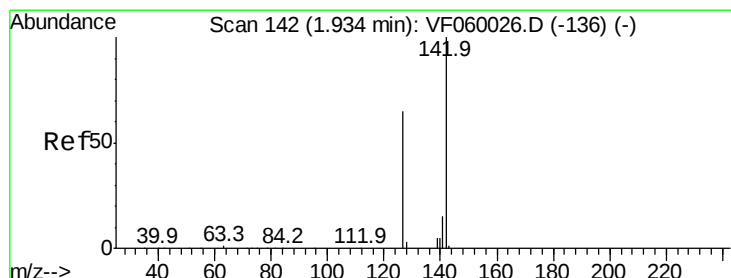
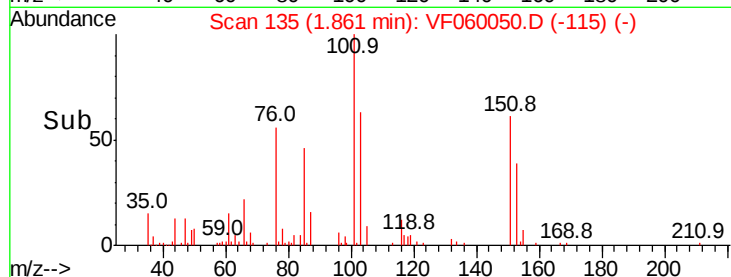
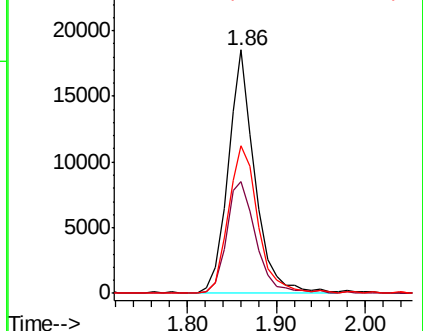
151 60.7 55.2 82.8



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: 20.644 ug/l

RT: 1.93 min Scan# 142

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

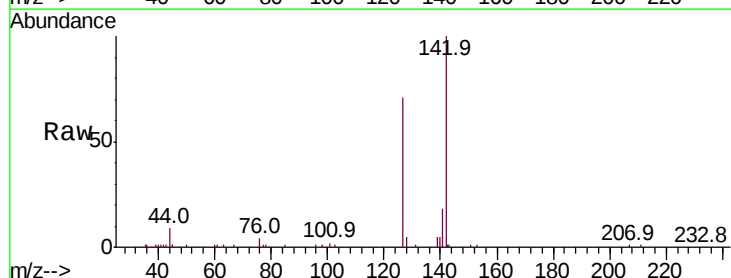
Tgt Ion:142 Resp: 48267

Ion Ratio Lower Upper

142 100

127 70.9 51.8 77.6

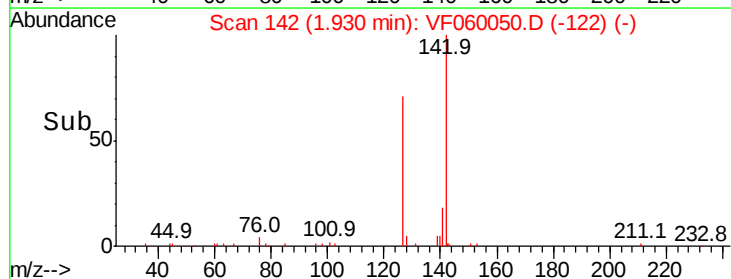
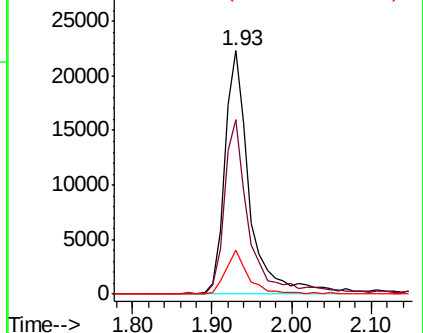
141 17.9 11.9 17.9

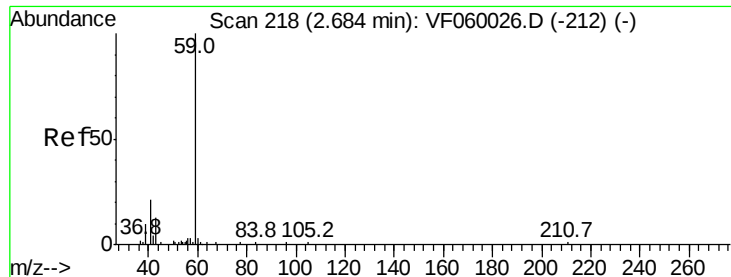


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



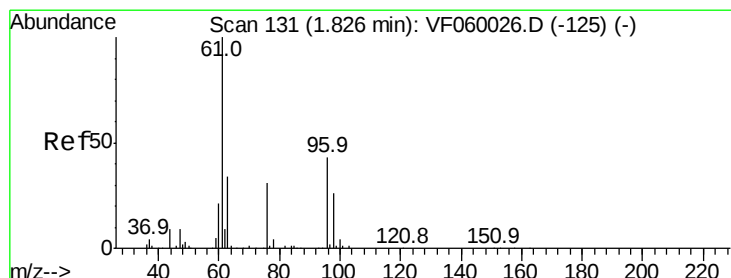
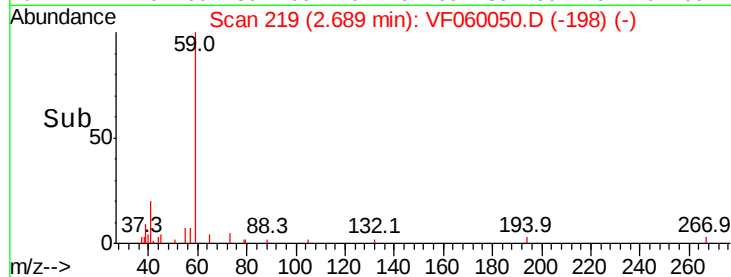
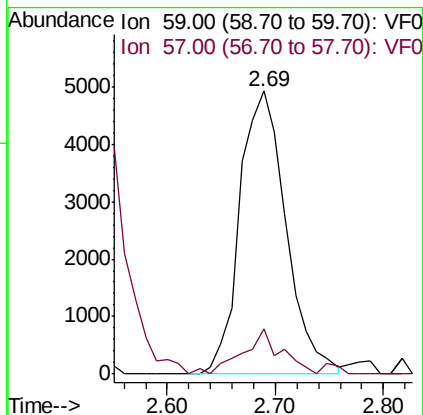
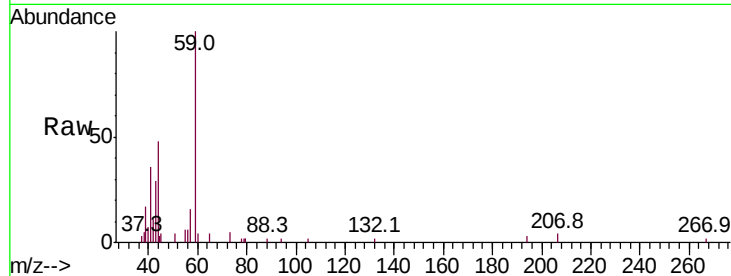


#11

Tert butyl alcohol
 Concen: 97.919 ug/l
 RT: 2.69 min Scan# 219
 Delta R.T. 0.01 min
 Lab File: VF060050.D
 Acq: 23 Aug 2018 13:50

Instrument :
 MSVOA_F
 ClientSampleId :

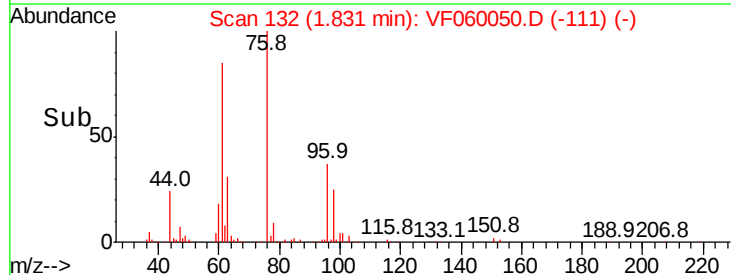
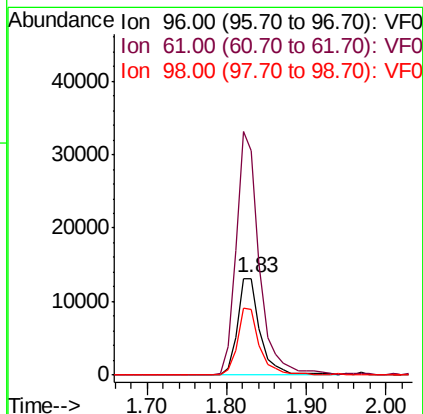
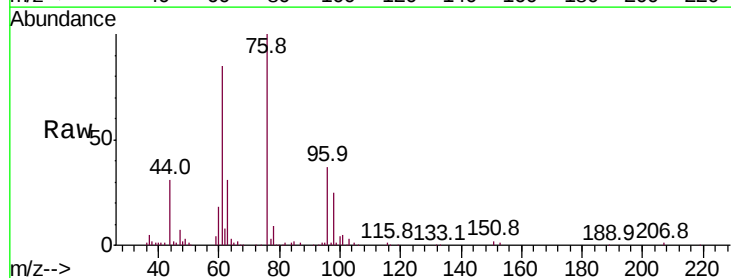
Tot Ion: 59 Resp: 14612
 Ion Ratio Lower Upper
 59 100
 57 16.1 5.4 8.2#

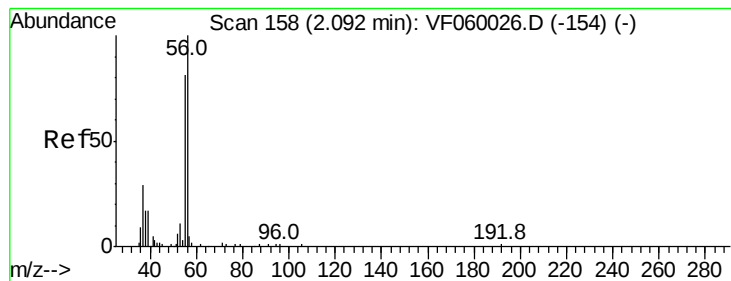


#12

1,1-Dichloroethene
 Concen: 20.153 ug/l
 RT: 1.83 min Scan# 132
 Delta R.T. 0.01 min
 Lab File: VF060050.D
 Acq: 23 Aug 2018 13:50

Tgt Ion: 96 Resp: 26256
 Ion Ratio Lower Upper
 96 100
 61 231.4 185.0 277.6
 98 67.9 47.8 71.8





#13

Acrolein

Concen: 79.093 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

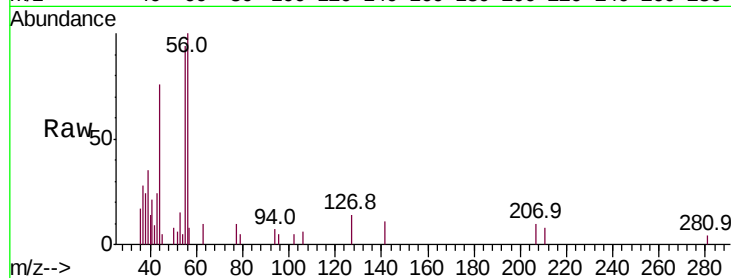
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 56 Resp: 5377

Ion Ratio Lower Upper

56 100

55 94.3 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

2500

2000

1500

1000

500

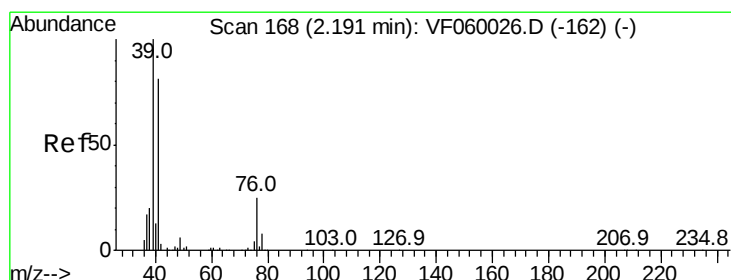
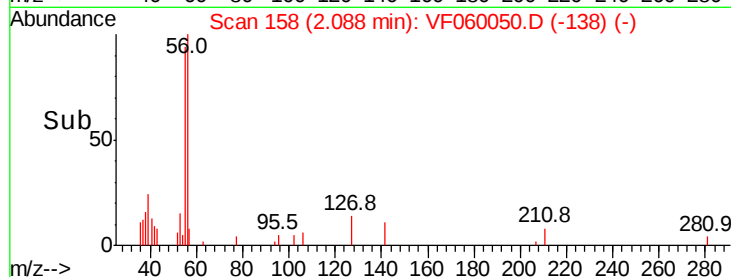
0

2.00

2.10

2.20

Time-->



#14

Allyl chloride

Concen: 20.614 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

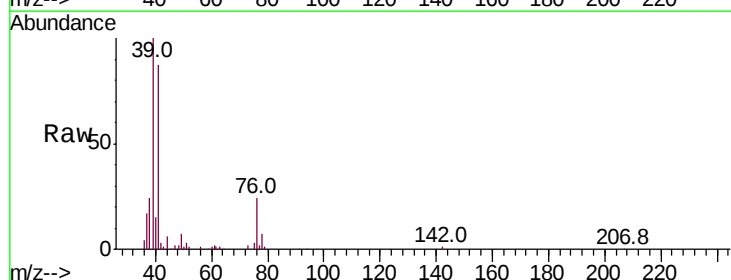
Tgt Ion: 41 Resp: 47699

Ion Ratio Lower Upper

41 100

39 115.3 99.3 148.9

76 28.0 24.3 36.5



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

40000

30000

20000

10000

0

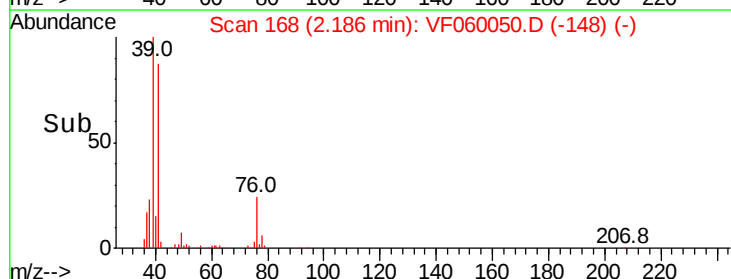
2.10

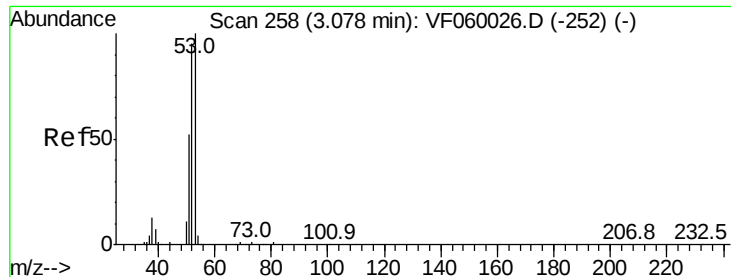
2.15

2.20

2.25

Time-->





#15

Acrylonitrile

Concen: 102.176 ug/l

RT: 3.07 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

Instrument :
MSVOA_F
ClientSampleId :

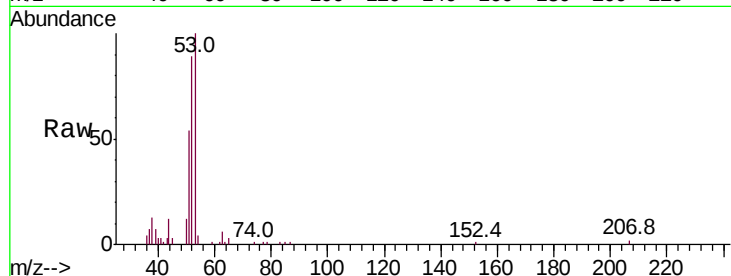
Tot Ion: 53 Resp: 30089

Ion Ratio Lower Upper

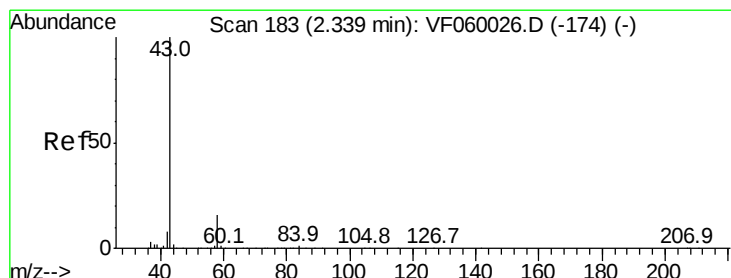
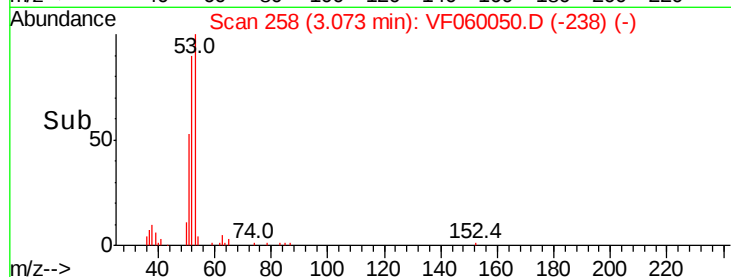
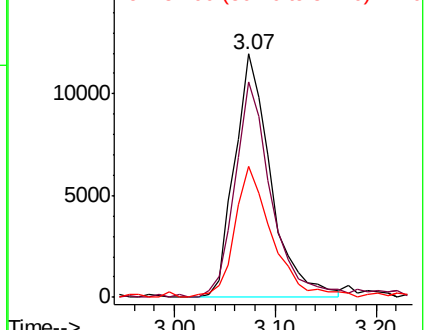
53 100

52 88.7 75.8 113.8

51 53.9 42.1 63.1



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: 119.168 ug/l

RT: 2.34 min Scan# 184

Delta R.T. 0.01 min

Lab File: VF060050.D

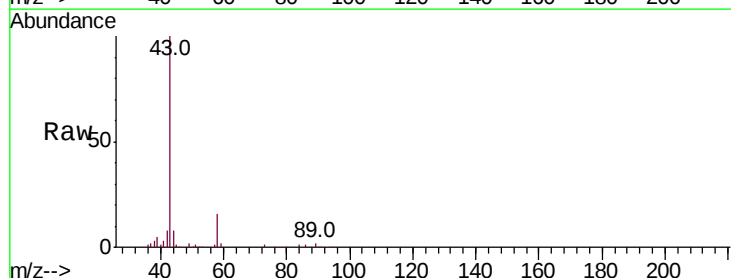
Acq: 23 Aug 2018 13:50

Tgt Ion: 43 Resp: 87852

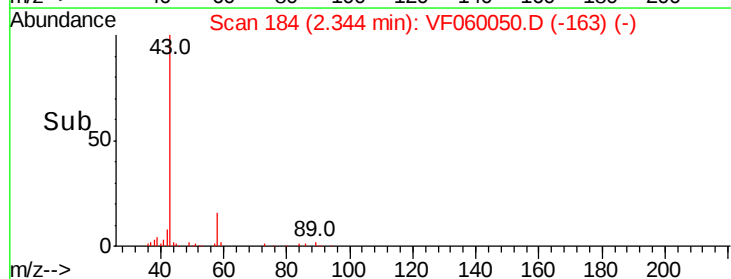
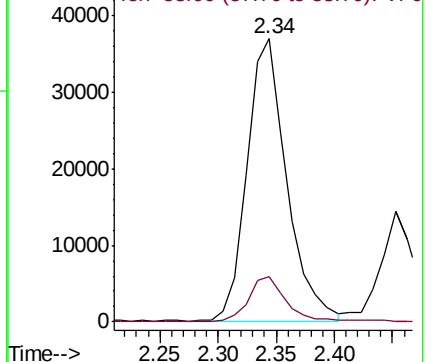
Ion Ratio Lower Upper

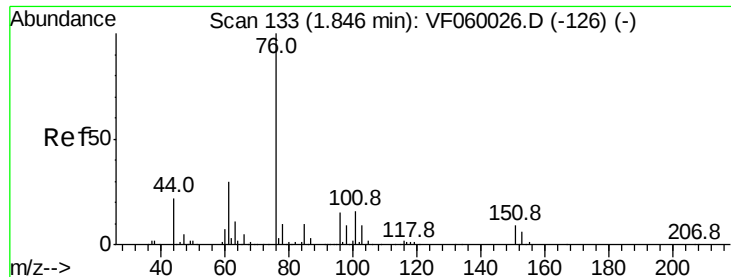
43 100

58 15.9 12.6 19.0



Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0

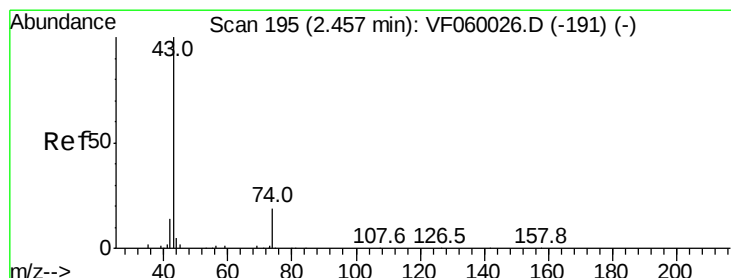
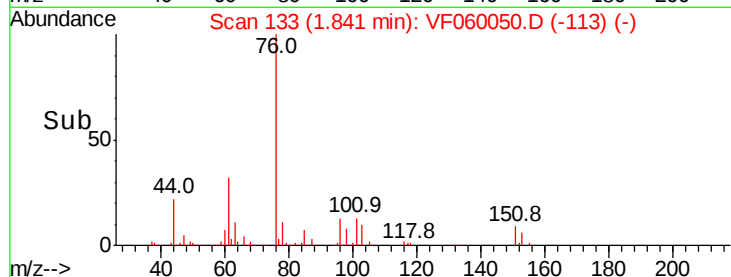
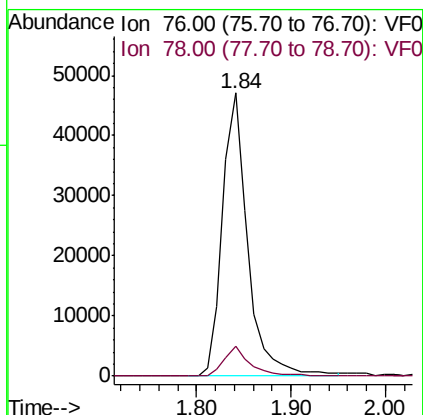
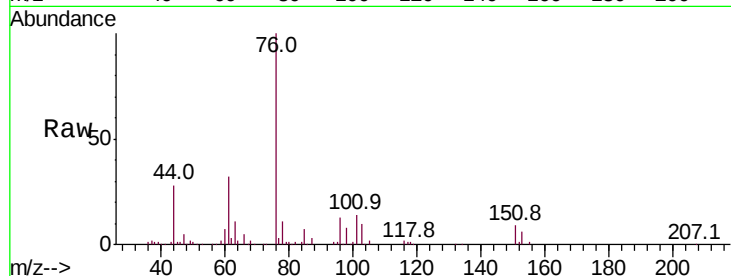




#17
Carbon Disulfide
Concen: 21.438 ug/l
RT: 1.84 min Scan# 133
Delta R.T. -0.00 min
Lab File: VF060050.D
Acq: 23 Aug 2018 13:50

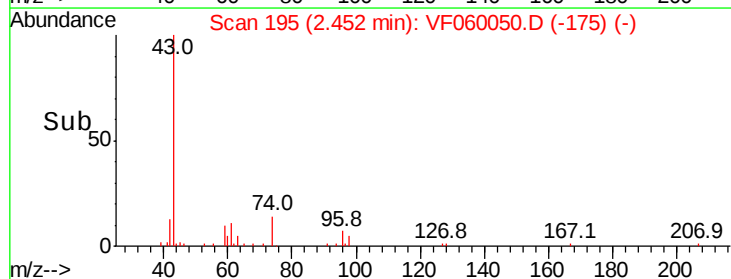
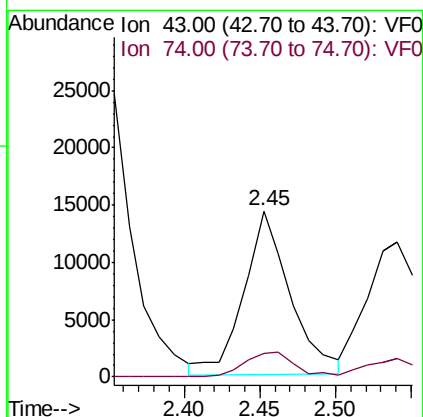
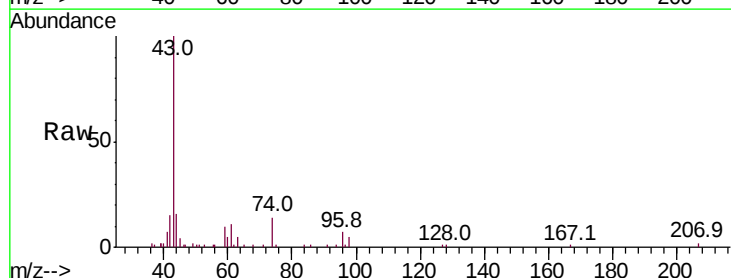
Instrument :
MSVOA_F
ClientSampleId :

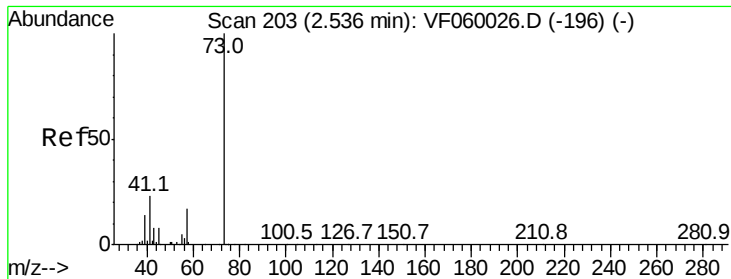
Tot Ion: 76 Resp: 87448
Ion Ratio Lower Upper
76 100
78 10.5 8.4 12.6



#18
Methyl Acetate
Concen: 21.955 ug/l
RT: 2.45 min Scan# 195
Delta R.T. -0.00 min
Lab File: VF060050.D
Acq: 23 Aug 2018 13:50

Tgt Ion: 43 Resp: 30551
Ion Ratio Lower Upper
43 100
74 13.8 13.8 20.6



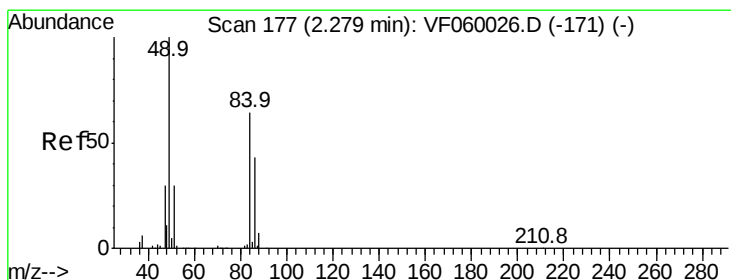
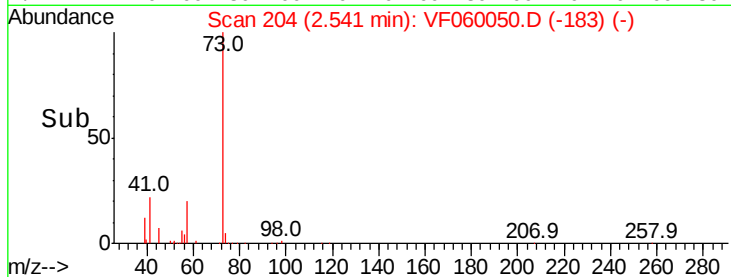
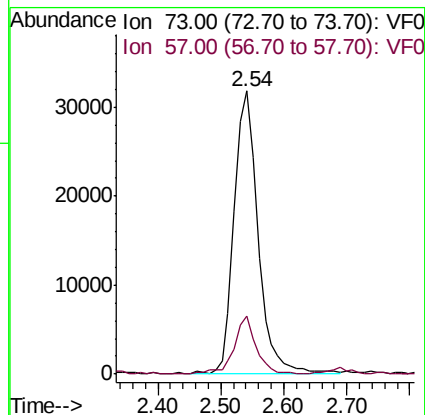
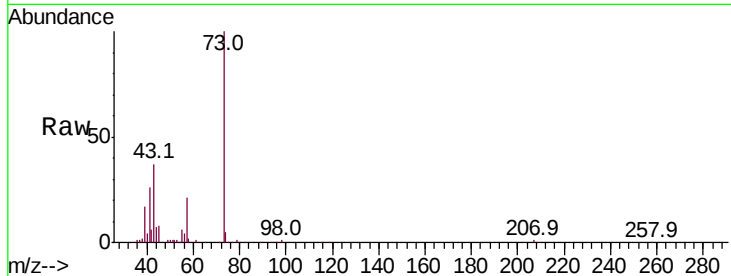


#19

Methyl tert-butyl Ether
 Concen: 20.146 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.01 min
 Lab File: VF060050.D
 Acq: 23 Aug 2018 13:50

Instrument :
 MSVOA_F
 ClientSampleId :

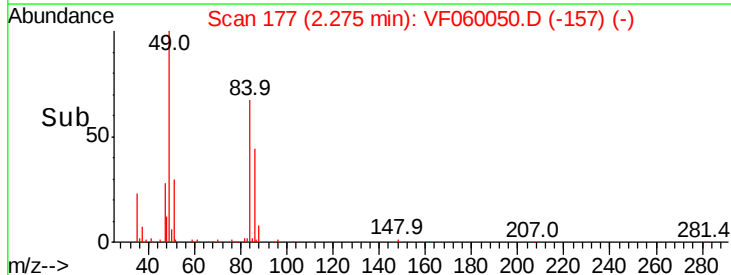
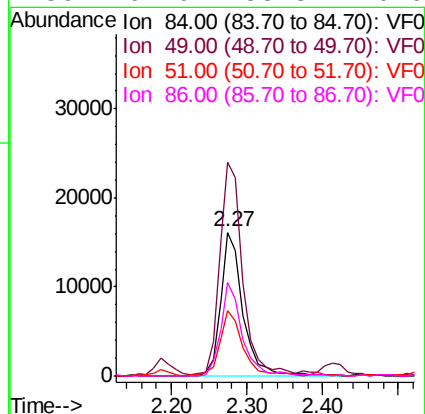
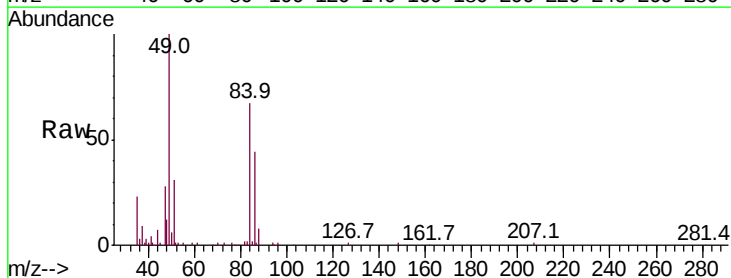
Tot Ion: 73 Resp: 84095
 Ion Ratio Lower Upper
 73 100
 57 20.7 13.7 20.5#

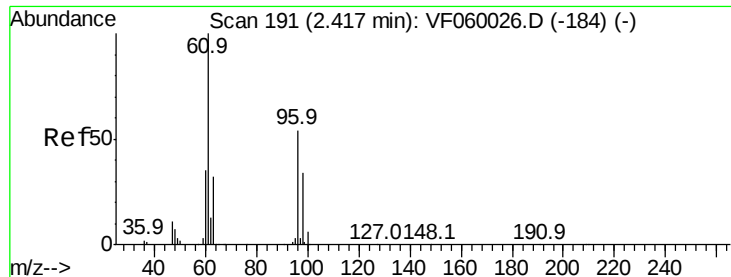


#20

Methylene Chloride
 Concen: 19.627 ug/l
 RT: 2.27 min Scan# 177
 Delta R.T. -0.00 min
 Lab File: VF060050.D
 Acq: 23 Aug 2018 13:50

Tgt Ion: 84 Resp: 33017
 Ion Ratio Lower Upper
 84 100
 49 148.9 125.4 188.0
 51 45.6 38.3 57.5
 86 64.9 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 19.563 ug/l

RT: 2.41 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

Instrument :
MSVOA_F
ClientSampled :

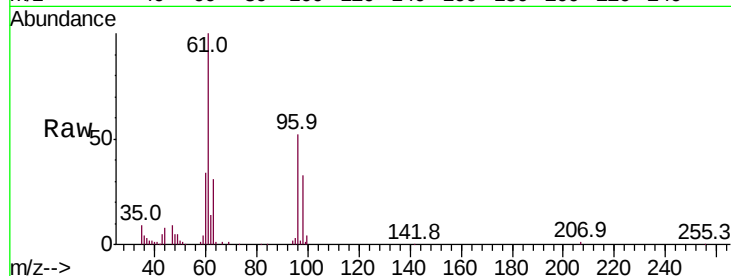
Tot Ion: 96 Resp: 28519

Ion Ratio Lower Upper

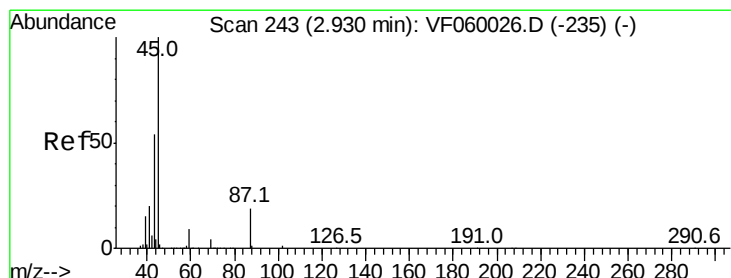
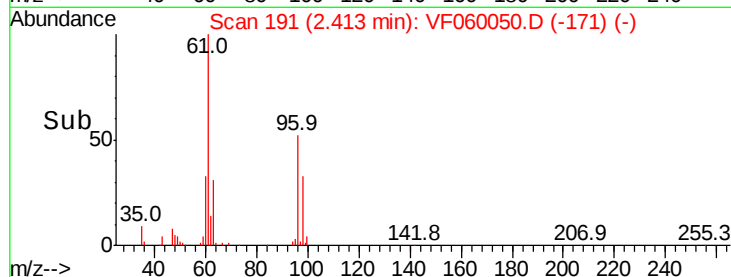
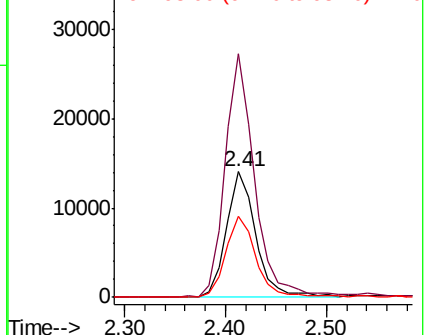
96 100

61 193.8 147.4 221.0

98 64.2 49.8 74.6



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



#22

Diisopropyl ether

Concen: 19.208 ug/l

RT: 2.93 min Scan# 243

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

Tgt Ion: 45 Resp: 99525

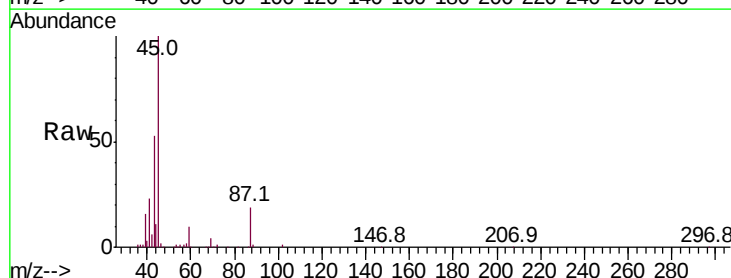
Ion Ratio Lower Upper

45 100

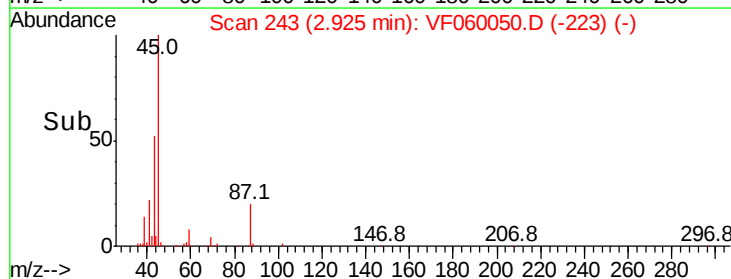
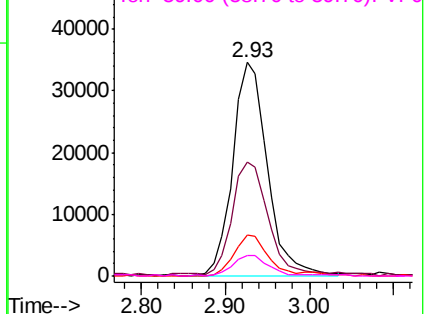
43 53.1 43.4 65.2

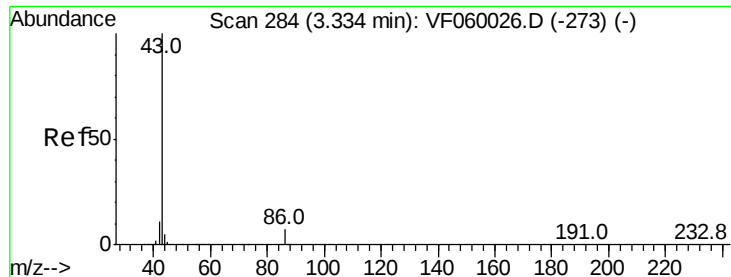
87 19.5 15.4 23.2

59 9.7 7.5 11.3



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: 117.924 ug/l

RT: 3.34 min Scan# 285

Delta R.T. 0.01 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

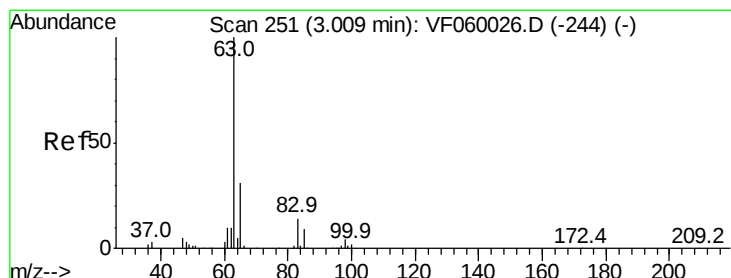
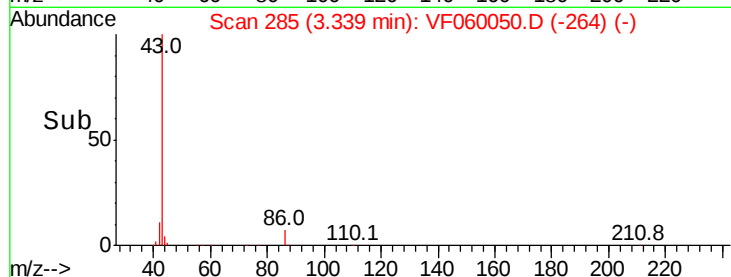
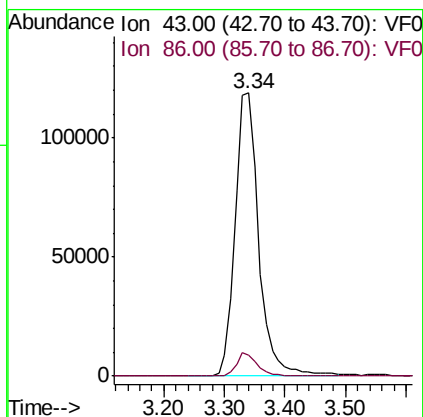
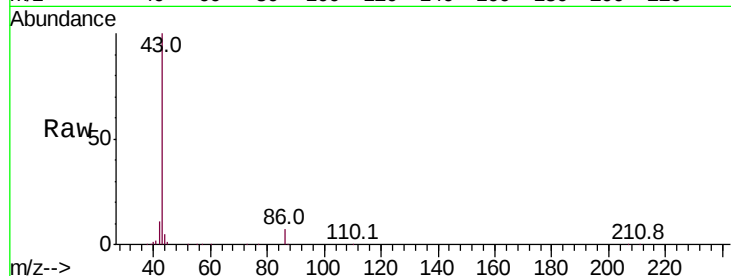
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 323685

Ion Ratio Lower Upper

43 100

86 7.3 5.6 8.4



#24

1,1-Dichloroethane

Concen: 20.696 ug/l

RT: 3.00 min Scan# 251

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

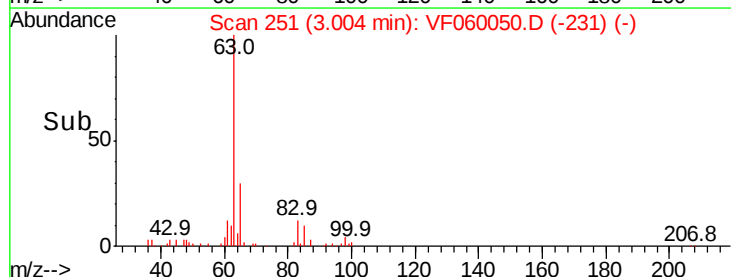
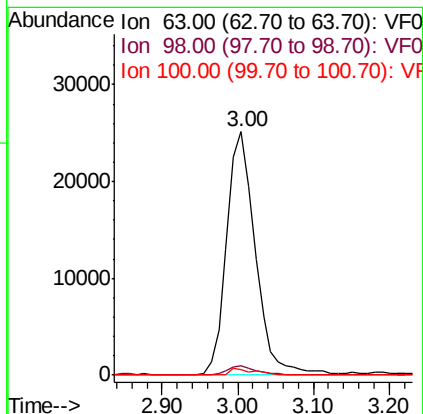
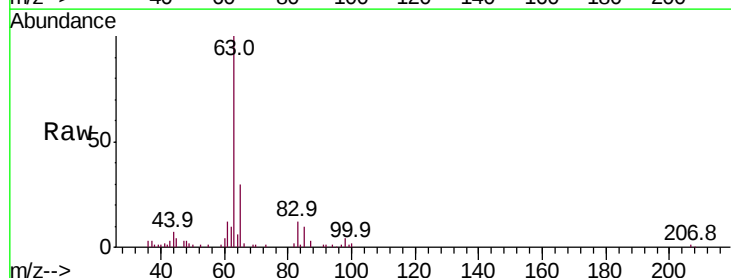
Tgt Ion: 63 Resp: 66242

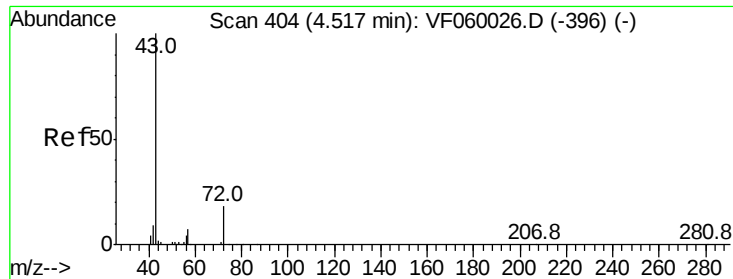
Ion Ratio Lower Upper

63 100

98 3.7 2.1 6.5

100 2.2 1.1 3.3





#25

2-Butanone

Concen: 111.978 ug/l

RT: 4.51 min Scan# 404

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

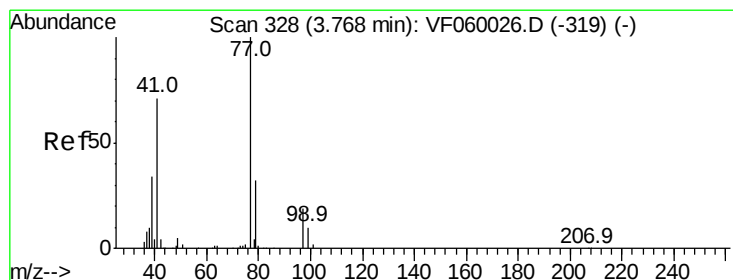
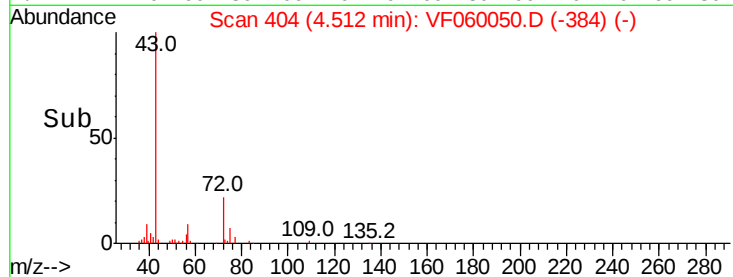
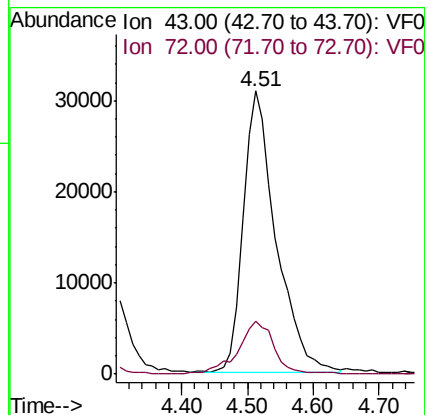
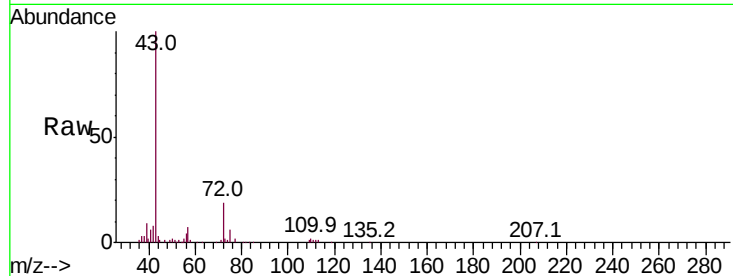
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 107229

Ion Ratio Lower Upper

43 100

72 18.9 15.0 22.6



#26

2,2-Dichloropropane

Concen: 22.007 ug/l

RT: 3.76 min Scan# 328

Delta R.T. -0.00 min

Lab File: VF060050.D

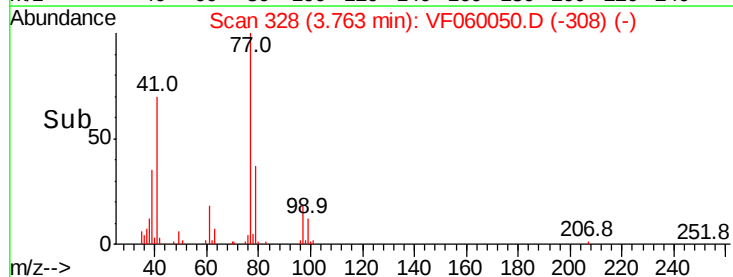
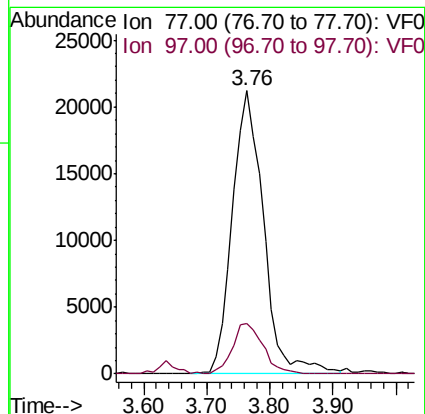
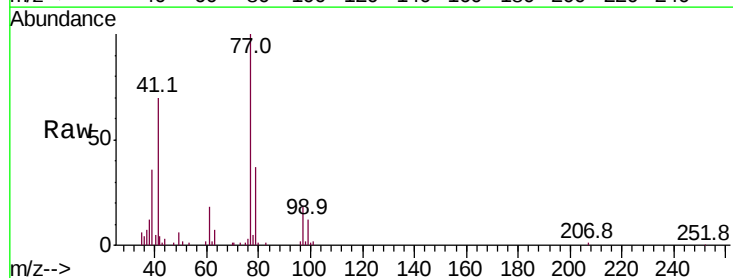
Acq: 23 Aug 2018 13:50

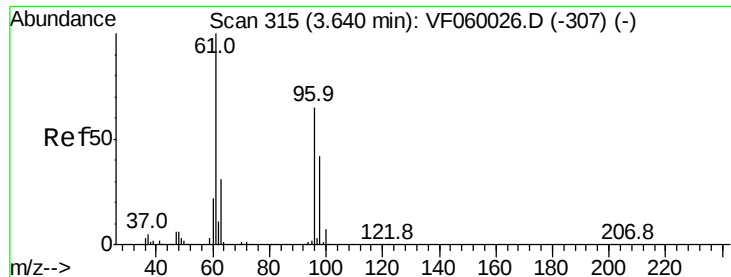
Tgt Ion: 77 Resp: 72877

Ion Ratio Lower Upper

77 100

97 17.6 9.7 29.1



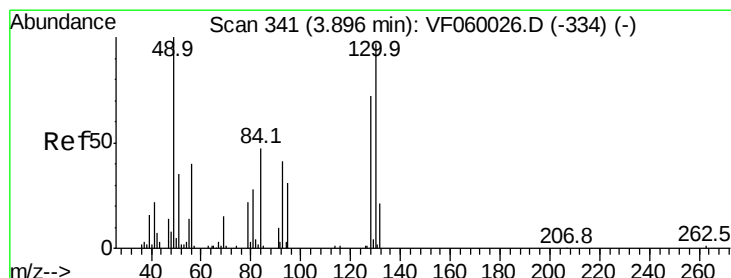
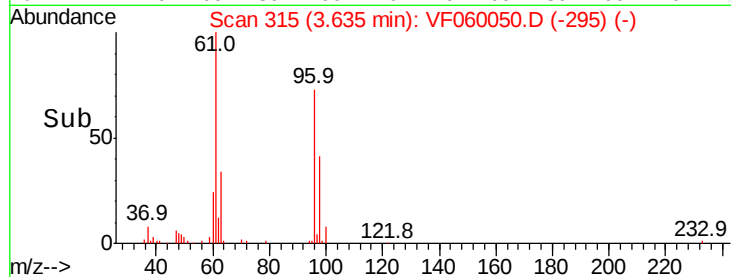
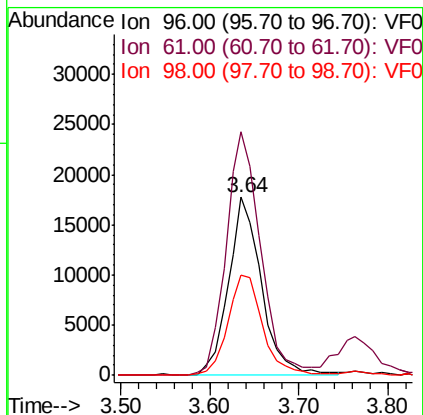
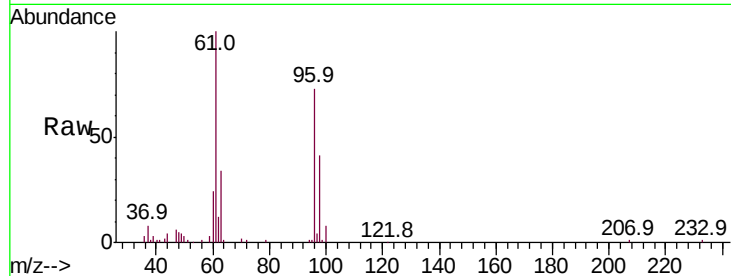


#27

cis-1,2-Dichloroethene
 Concen: 22.371 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VF060050.D
 Acq: 23 Aug 2018 13:50

Instrument :
 MSVOA_F
 ClientSampleId :

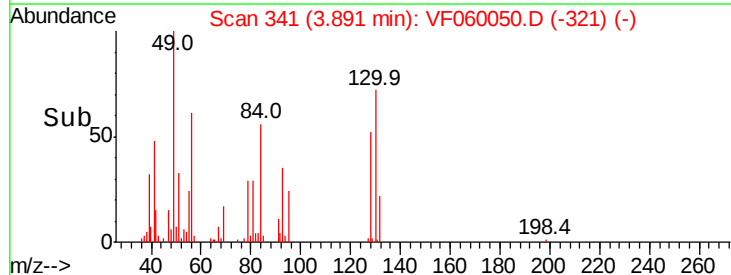
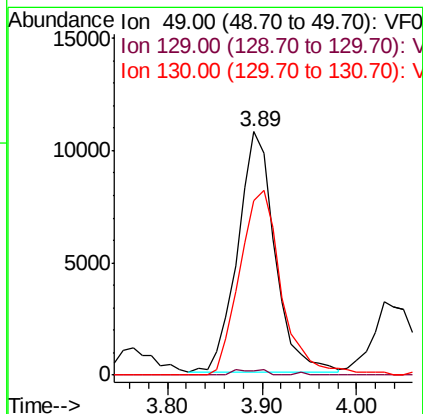
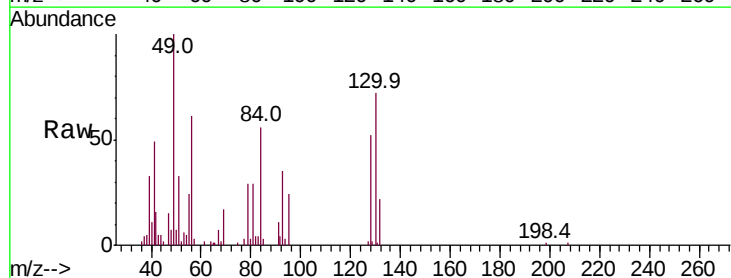
Tot Ion	96	Resp	46214
Ion	Ratio	Lower	Upper
96	100		
61	136.7	0.0	307.6
98	56.4	0.0	128.4

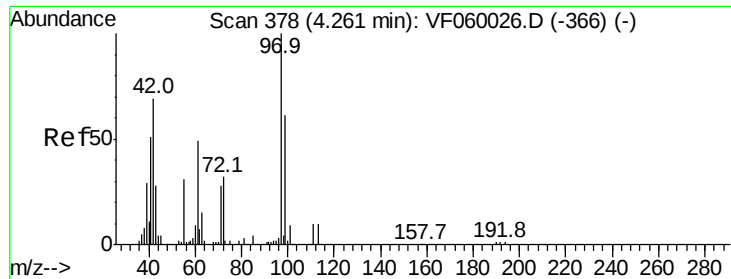


#28

Bromochloromethane
 Concen: 21.647 ug/l
 RT: 3.89 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VF060050.D
 Acq: 23 Aug 2018 13:50

Tgt Ion	49	Resp	29253
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	7.4
130	72.8	78.0	117.0#





#29

Tetrahydrofuran

Concen: 104.538 ug/l

RT: 4.26 min Scan# 378

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

Instrument :
MSVOA_F
ClientSampleId :

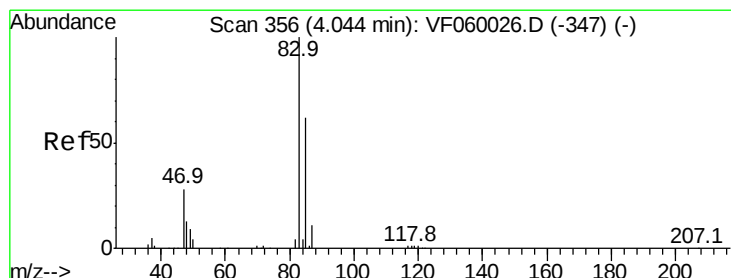
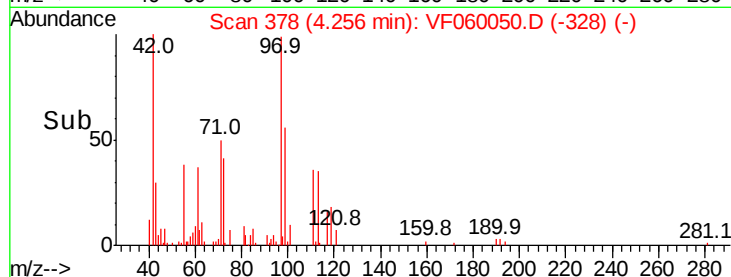
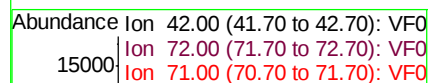
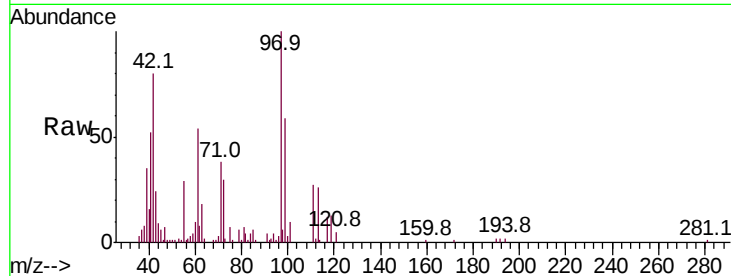
Tot Ion: 42 Resp: 37795

Ion Ratio Lower Upper

42 100

72 37.5 31.4 47.2

71 39.9 29.7 44.5



#30

Chloroform

Concen: 21.101 ug/l

RT: 4.04 min Scan# 356

Delta R.T. -0.00 min

Lab File: VF060050.D

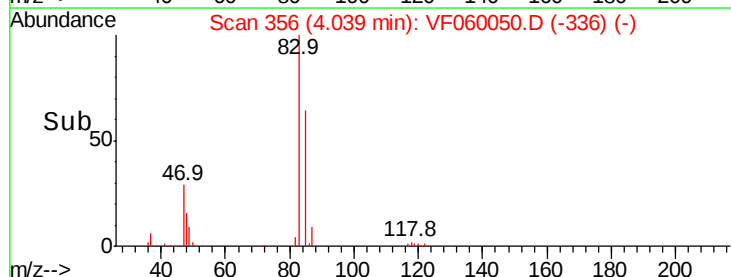
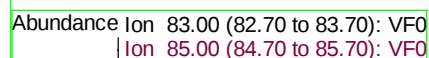
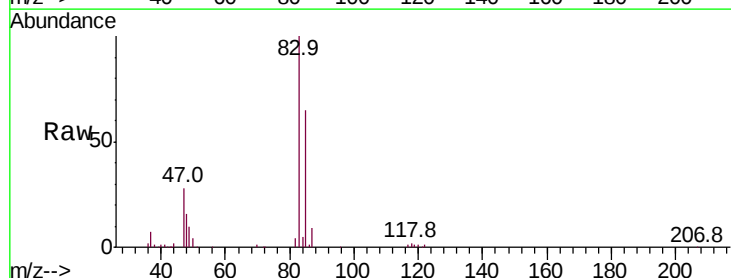
Acq: 23 Aug 2018 13:50

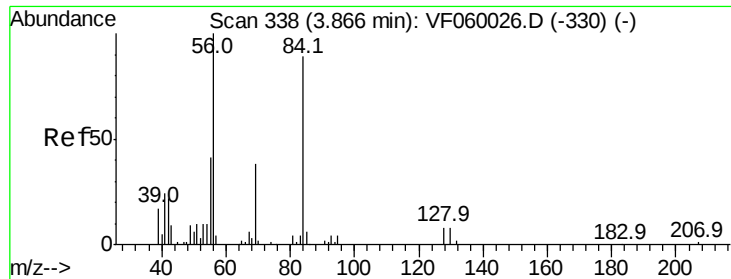
Tgt Ion: 83 Resp: 94804

Ion Ratio Lower Upper

83 100

85 64.7 49.5 74.3





#31

Cyclohexane

Concen: 22.418 ug/l

RT: 3.86 min Scan# 338

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

Instrument :
MSVOA_F
ClientSampleId :

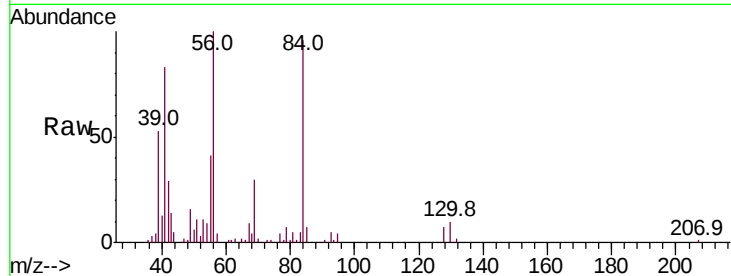
Tot Ion: 56 Resp: 54675

Ion Ratio Lower Upper

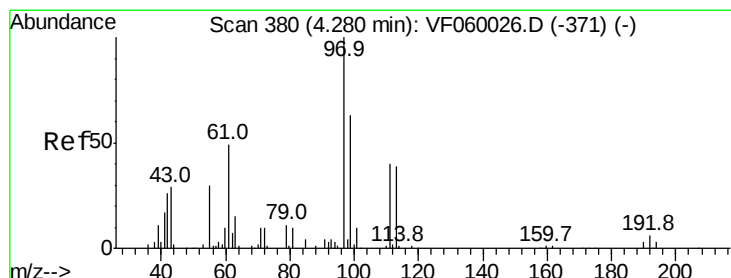
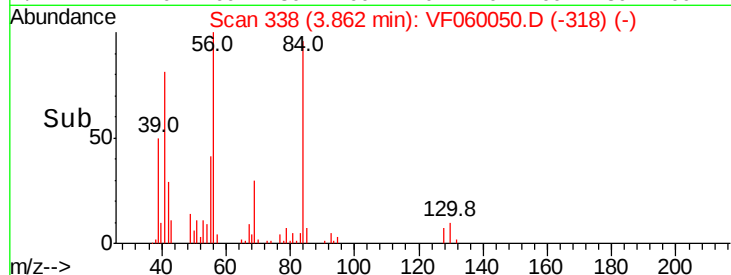
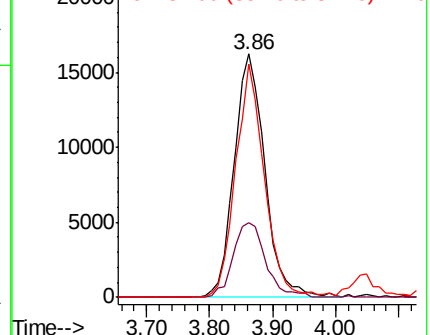
56 100

69 30.5 30.4 45.6

84 96.0 71.4 107.2



Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0



#32

1,1,1-Trichloroethane

Concen: 21.814 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

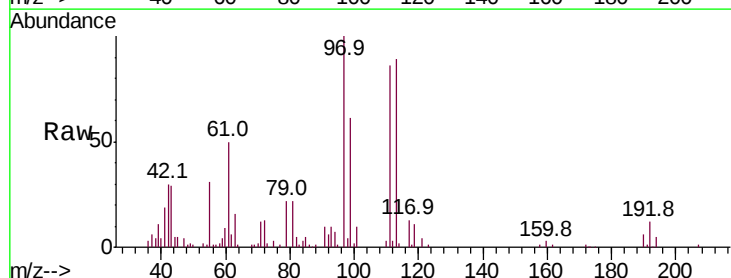
Tgt Ion: 97 Resp: 83930

Ion Ratio Lower Upper

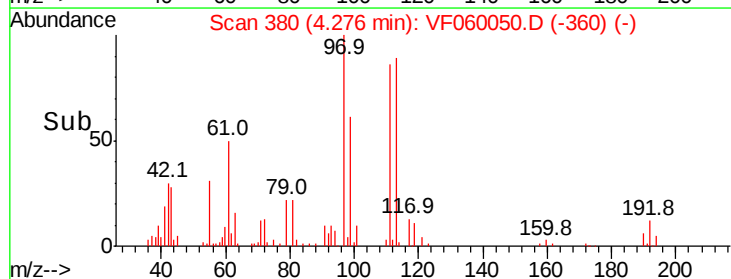
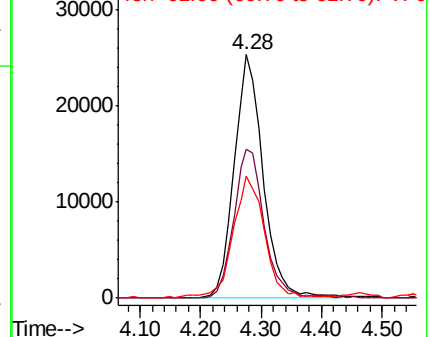
97 100

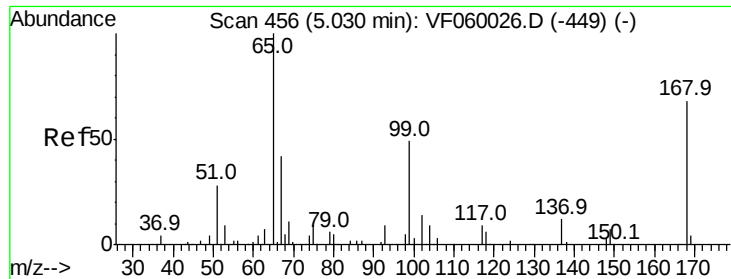
99 61.2 50.3 75.5

61 50.4 40.3 60.5



Abundance Ion 97.00 (96.70 to 97.70): VF0
Ion 99.00 (98.70 to 99.70): VF0
Ion 61.00 (60.70 to 61.70): VF0





#33

1,2-Dichloroethane-d4

Concen: 48.789 ug/l

RT: 5.03 min Scan# 456

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

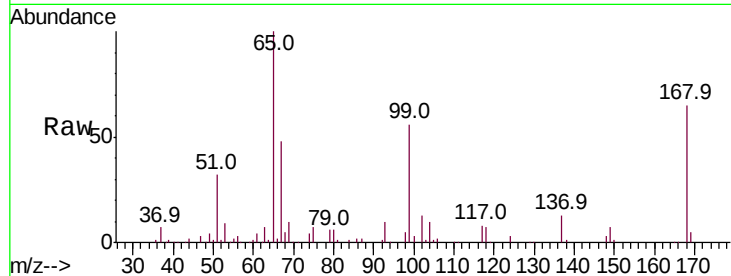
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 65 Resp: 136854

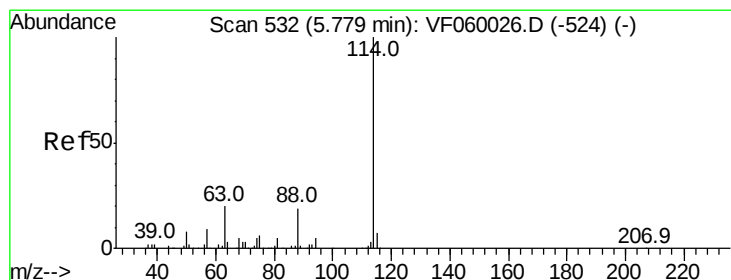
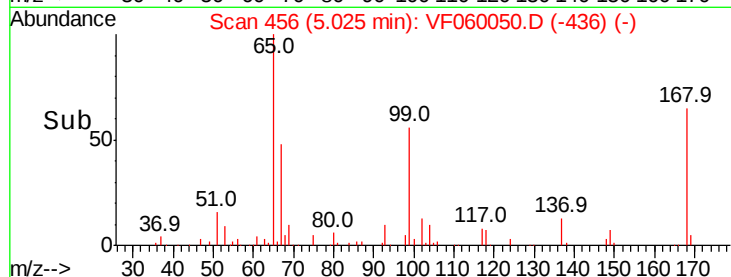
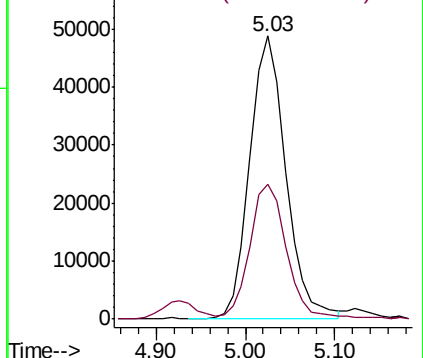
Ion Ratio Lower Upper

65 100

67 47.6 0.0 92.0



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.76 min Scan# 531

Delta R.T. -0.01 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

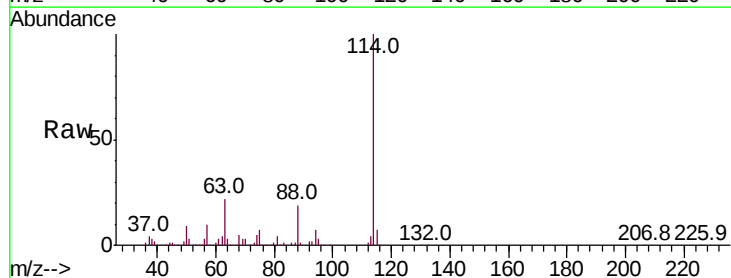
Tgt Ion:114 Resp: 314914

Ion Ratio Lower Upper

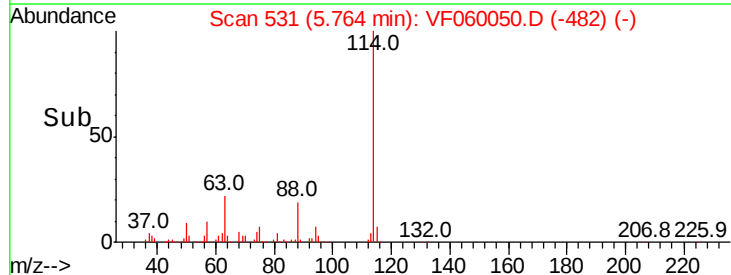
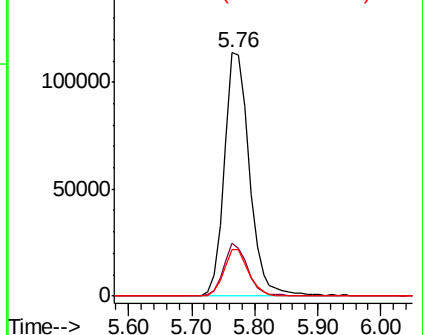
114 100

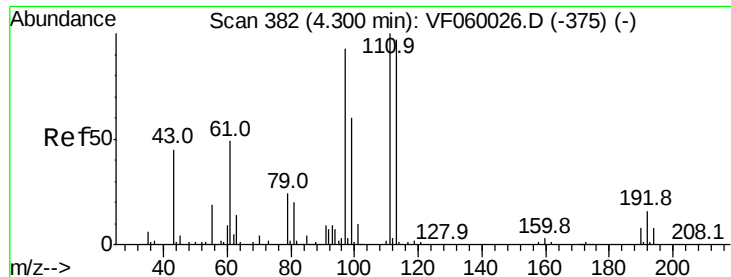
63 21.8 0.0 40.4

88 19.3 0.0 38.6



Abundance Ion 114.00 (113.70 to 114.70): V
Ion 63.00 (62.70 to 63.70): VF0
Ion 88.00 (87.70 to 88.70): VF0

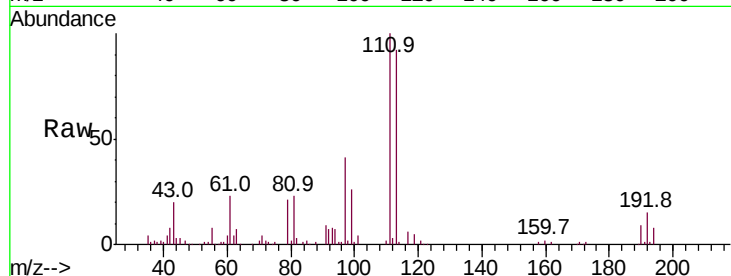




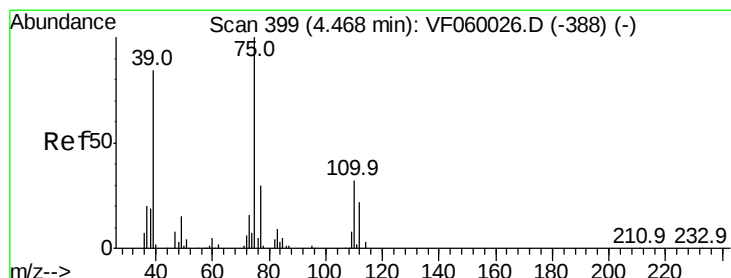
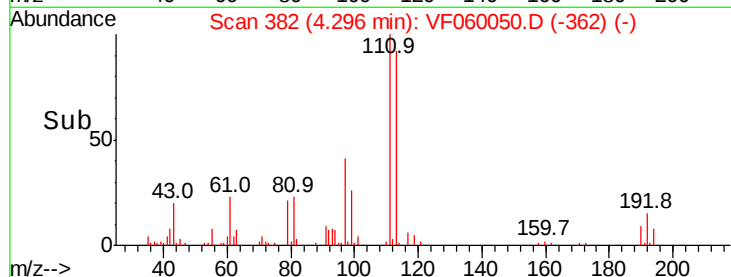
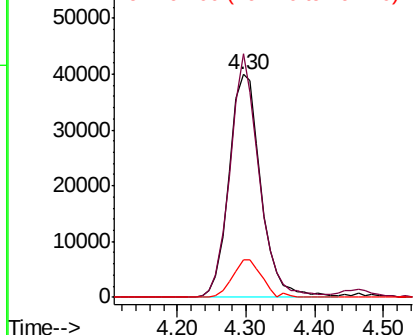
#35
 Dibromofluoromethane
 Concen: 51.803 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VF060050.D
 Acq: 23 Aug 2018 13:50

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion:113 Resp: 128101
 Ion Ratio Lower Upper
 113 100
 111 109.2 82.7 124.1
 192 16.9 13.0 19.4

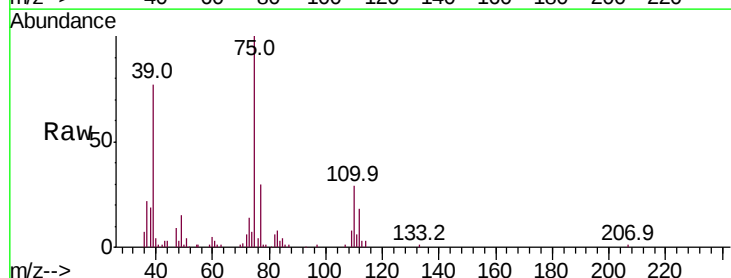


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

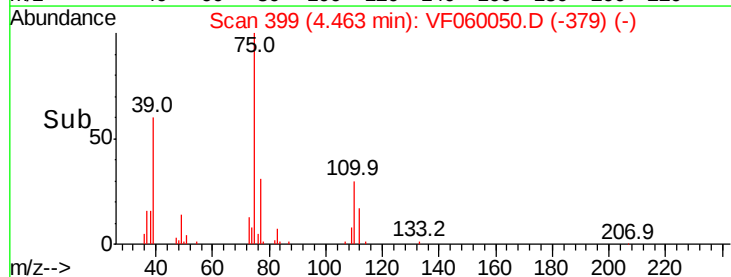
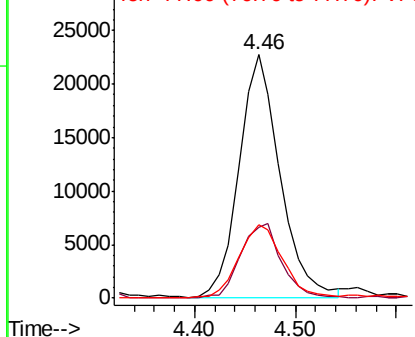


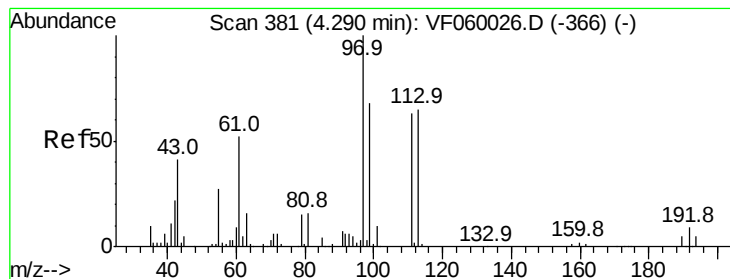
#36
 1,1-Dichloropropene
 Concen: 21.799 ug/l
 RT: 4.46 min Scan# 399
 Delta R.T. -0.00 min
 Lab File: VF060050.D
 Acq: 23 Aug 2018 13:50

Tgt Ion: 75 Resp: 64512
 Ion Ratio Lower Upper
 75 100
 110 29.2 16.0 47.9
 77 30.3 24.1 36.1



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: 22.351 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.01 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

Instrument :
MSVOA_F
ClientSampleId :

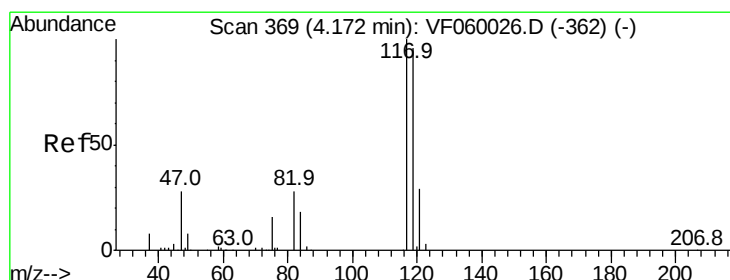
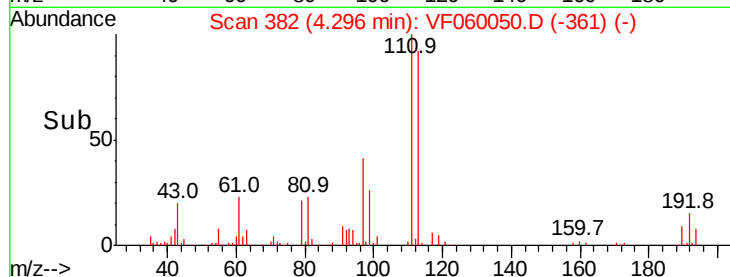
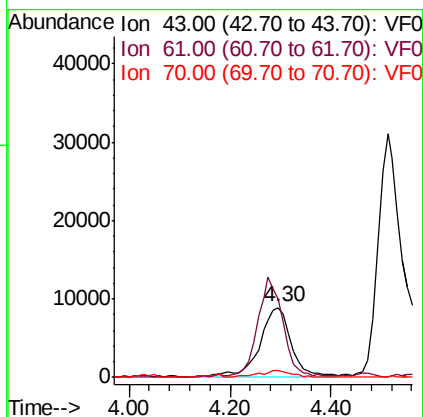
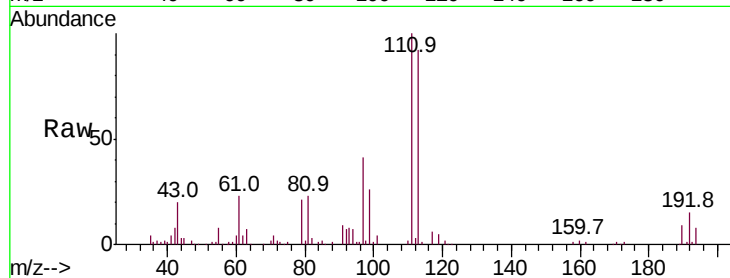
Tot Ion: 43 Resp: 39558

Ion Ratio Lower Upper

43 100

61 112.9 101.5 152.3

70 10.0 6.4 9.6#



#38

Carbon Tetrachloride

Concen: 21.326 ug/l

RT: 4.18 min Scan# 370

Delta R.T. 0.01 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

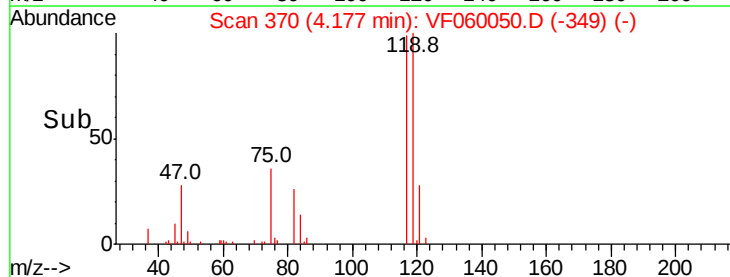
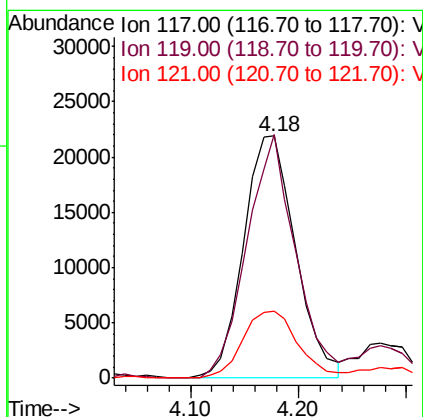
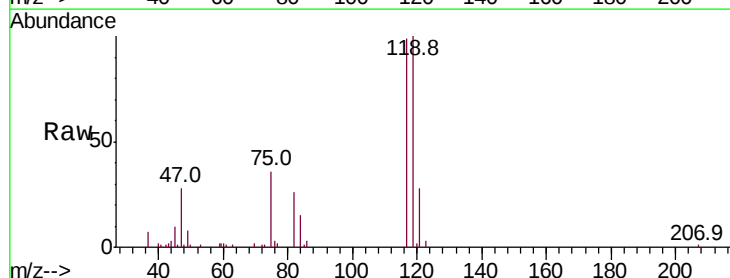
Tgt Ion: 117 Resp: 73082

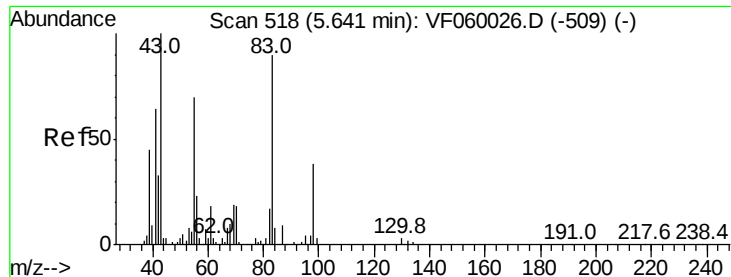
Ion Ratio Lower Upper

117 100

119 100.5 76.5 114.7

121 27.7 23.0 34.6

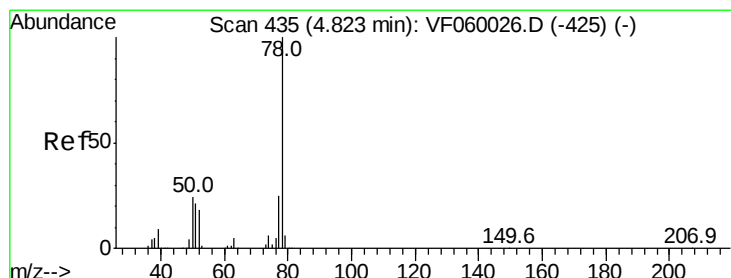
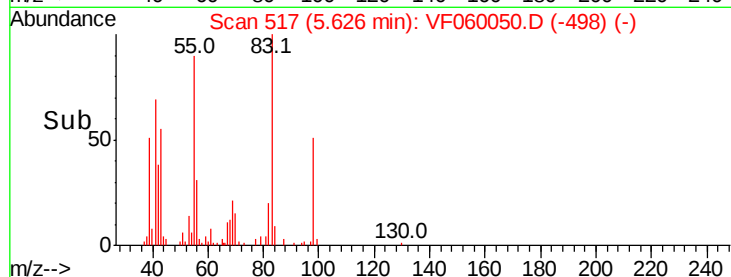
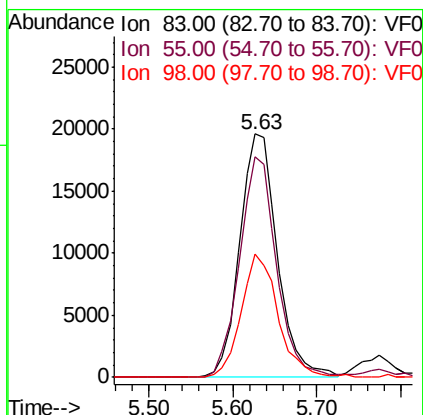
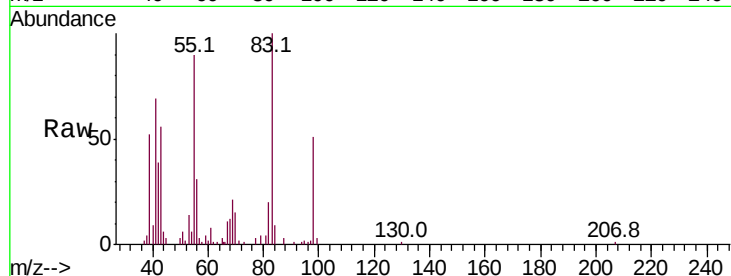




#39
Methvlcvclohexane
Concen: 22.125 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF060050.D
Acq: 23 Aug 2018 13:50

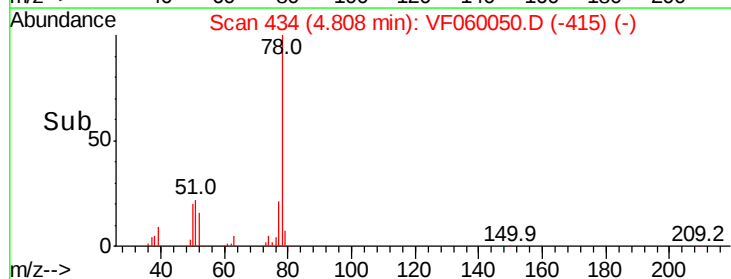
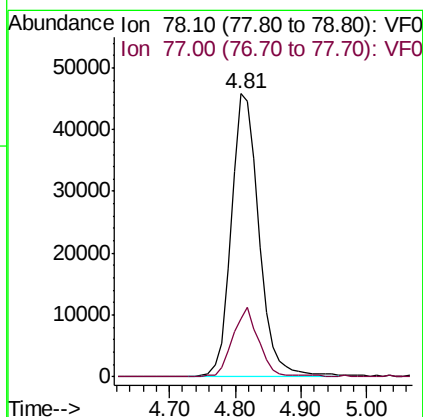
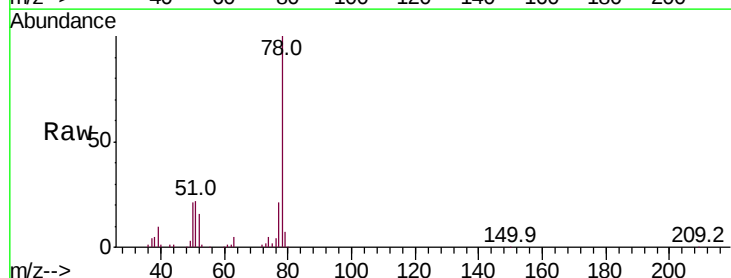
Instrument :
MSVOA_F
ClientSampleId :

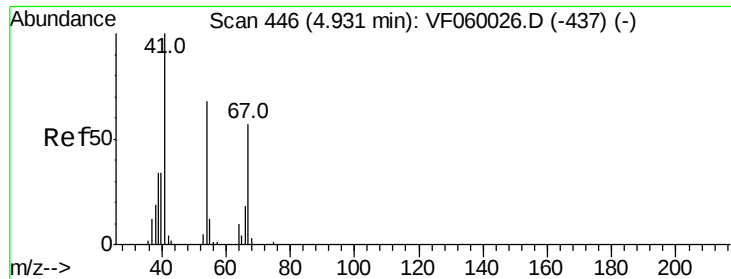
Tot Ion: 83 Resp: 61392
Ion Ratio Lower Upper
83 100
55 90.3 62.7 94.1
98 50.7 33.8 50.8



#40
Benzene
Concen: 21.060 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF060050.D
Acq: 23 Aug 2018 13:50

Tgt Ion: 78 Resp: 136146
Ion Ratio Lower Upper
78 100
77 20.6 19.8 29.6

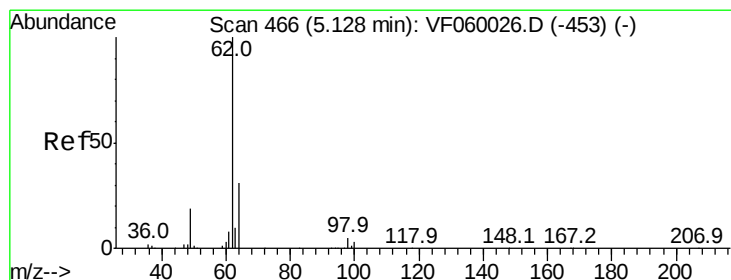
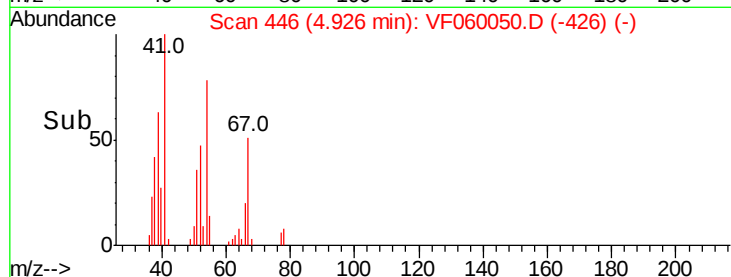
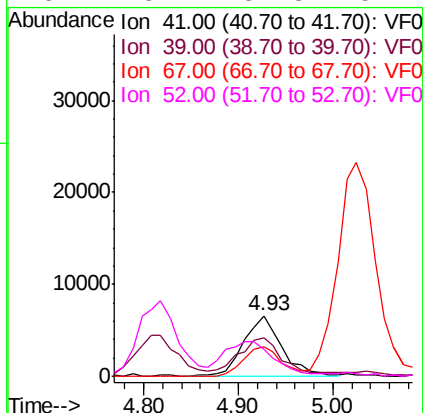
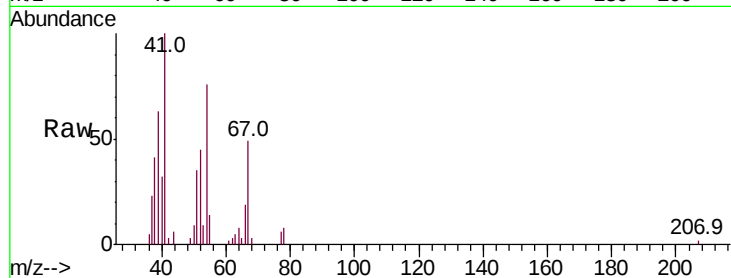




#41
Methacrylonitrile
Concen: 20.765 ug/l
RT: 4.93 min Scan# 446
Delta R.T. -0.00 min
Lab File: VF060050.D
Acq: 23 Aug 2018 13:50

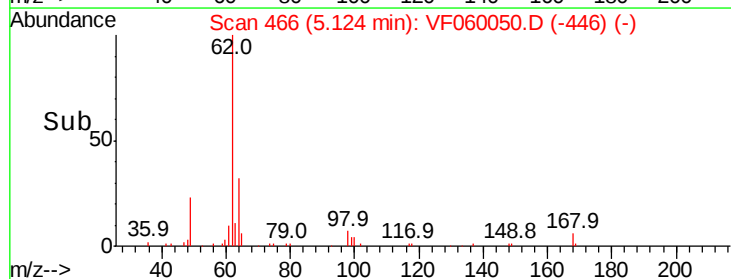
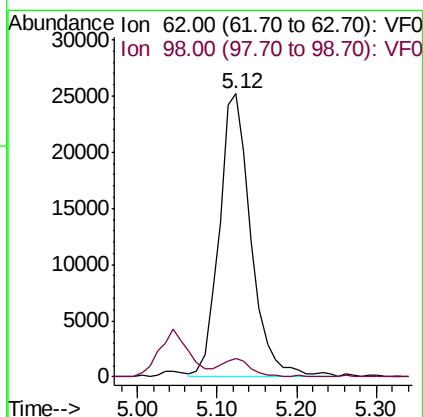
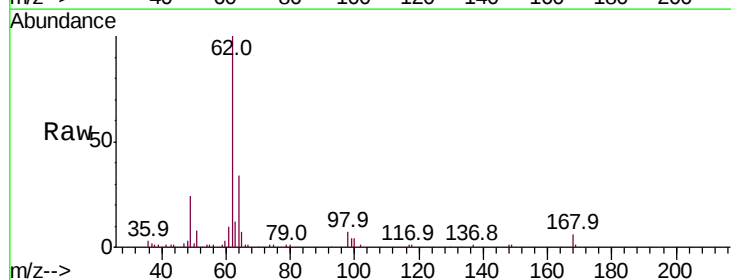
Instrument :
MSVOA_F
ClientSampleId :

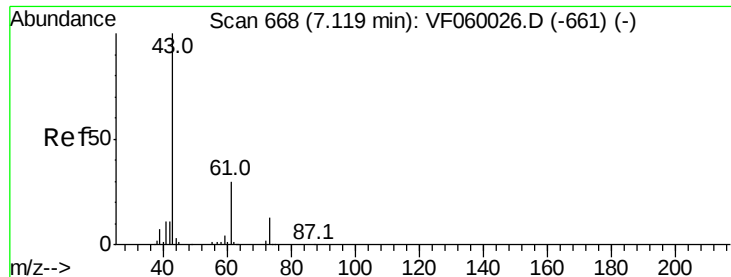
Tot Ion:	41	Resp:	18589
Ion	Ratio	Lower	Upper
41	100		
39	63.2	52.9	79.3
67	49.5	45.3	67.9
52	45.4	34.8	52.2



#42
1,2-Dichloroethane
Concen: 20.371 ug/l
RT: 5.12 min Scan# 466
Delta R.T. -0.00 min
Lab File: VF060050.D
Acq: 23 Aug 2018 13:50

Tgt Ion:	62	Resp:	70613
Ion	Ratio	Lower	Upper
62	100		
98	6.6	0.0	11.2



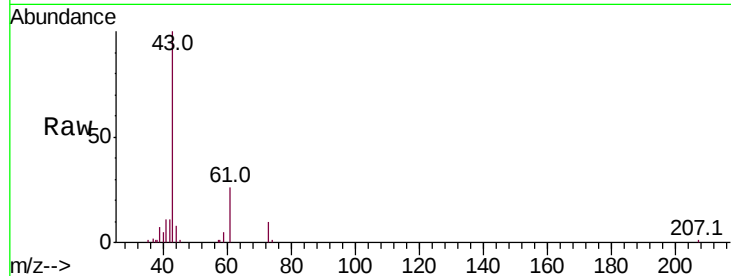


#43

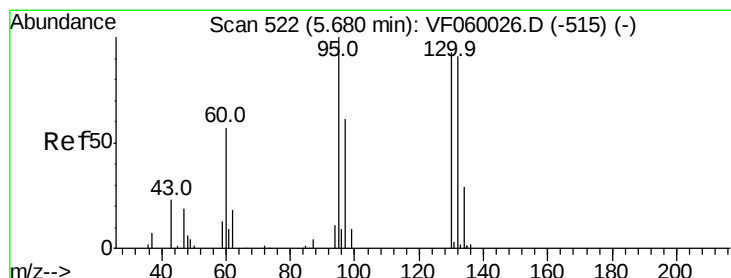
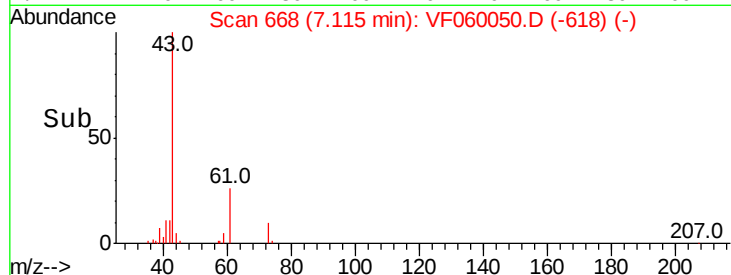
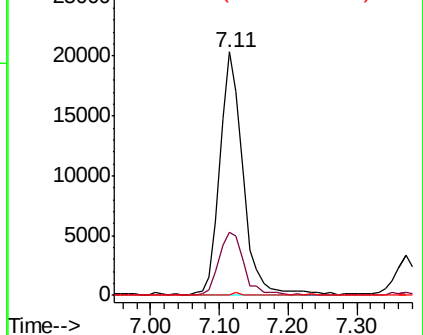
Isopropyl Acetate
 Concen: 21.430 ug/l
 RT: 7.11 min Scan# 668
 Delta R.T. -0.00 min
 Lab File: VF060050.D
 Acq: 23 Aug 2018 13:50

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion: 43 Resp: 47737
 Ion Ratio Lower Upper
 43 100
 61 26.1 23.8 35.6
 87 0.0 0.2 0.4#



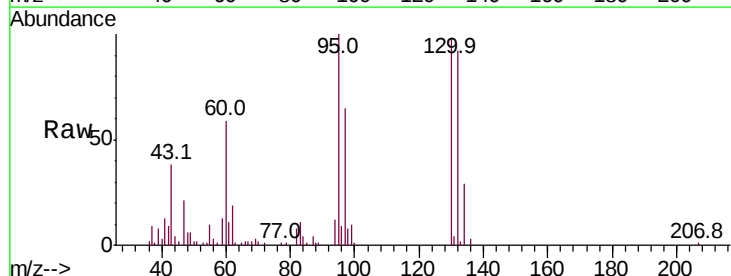
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



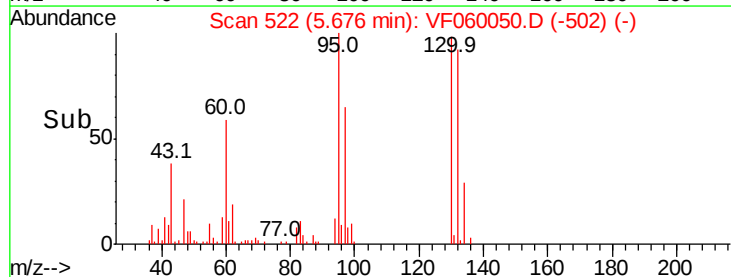
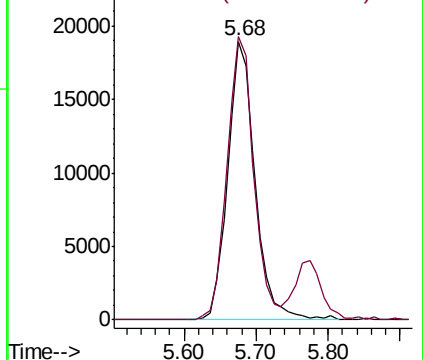
#44

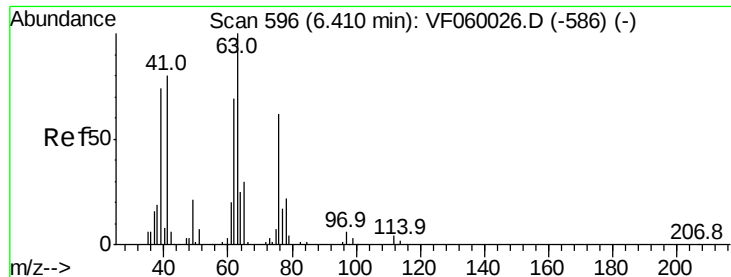
Trichloroethene
 Concen: 23.389 ug/l
 RT: 5.68 min Scan# 522
 Delta R.T. -0.00 min
 Lab File: VF060050.D
 Acq: 23 Aug 2018 13:50

Tgt Ion:130 Resp: 49985
 Ion Ratio Lower Upper
 130 100
 95 101.6 0.0 215.8



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





#45

1,2-Dichloropropane

Concen: 21.606 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

Instrument :

MSVOA_F

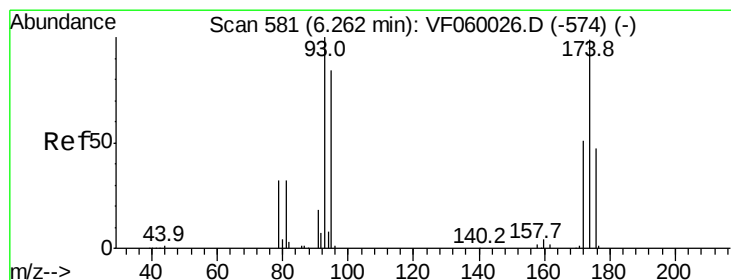
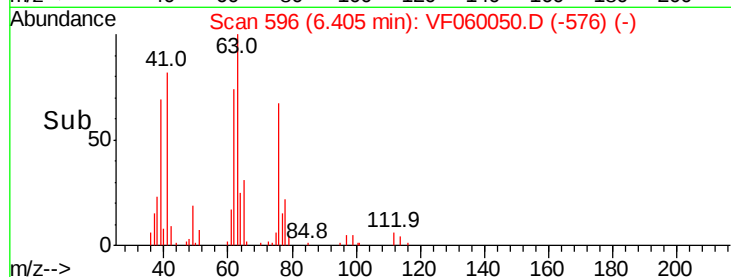
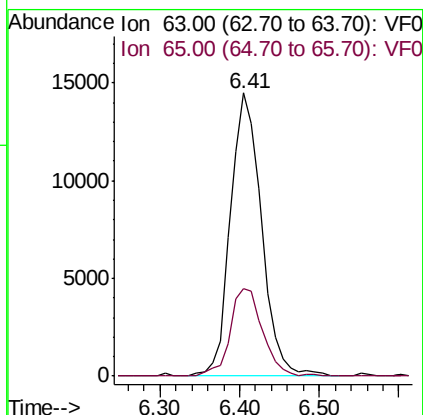
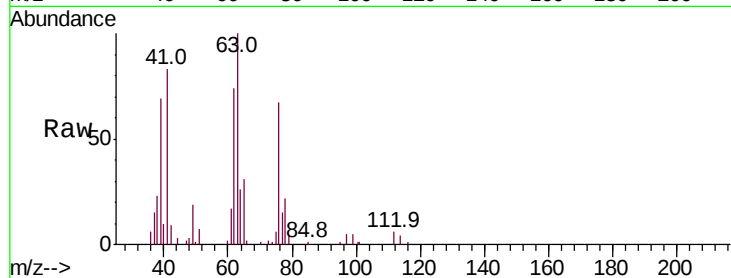
ClientSampleId :

Tot Ion: 63 Resp: 39510

Ion Ratio Lower Upper

63 100

65 31.0 23.8 35.6



#46

Dibromomethane

Concen: 22.052 ug/l

RT: 6.26 min Scan# 581

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

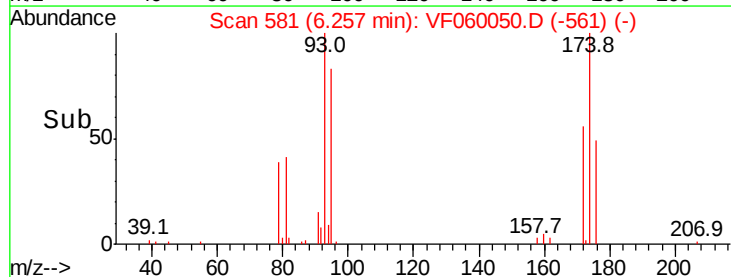
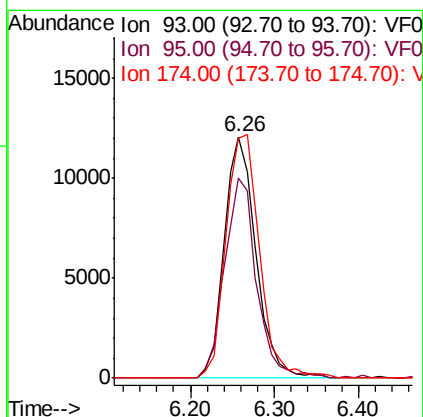
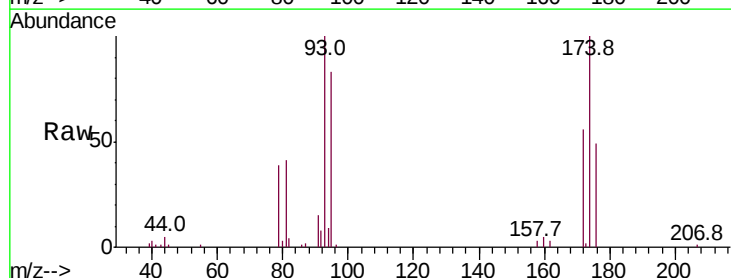
Tgt Ion: 93 Resp: 31554

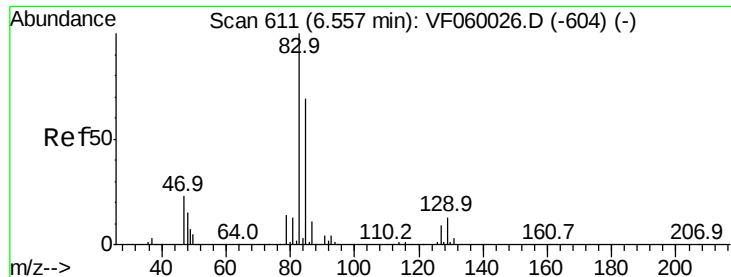
Ion Ratio Lower Upper

93 100

95 82.9 67.1 100.7

174 99.7 79.0 118.4





#47

Bromodichloromethane

Concen: 21.378 ug/l

RT: 6.55 min Scan# 611

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

Instrument :

MSVOA_F

ClientSampleId :

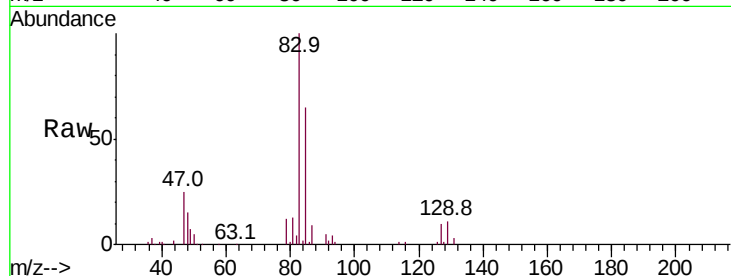
Tot Ion: 83 Resp: 73886

Ion Ratio Lower Upper

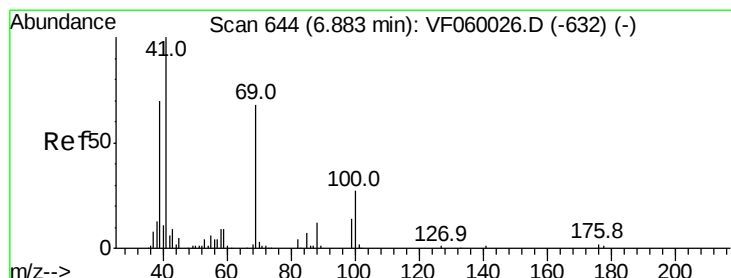
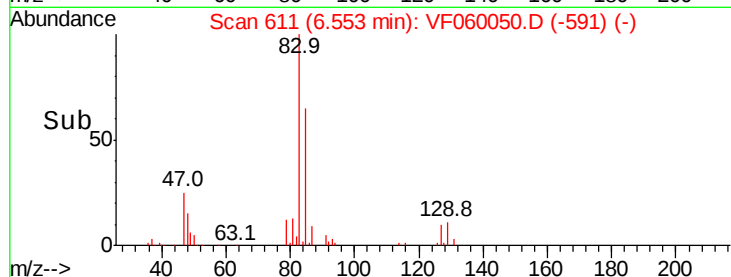
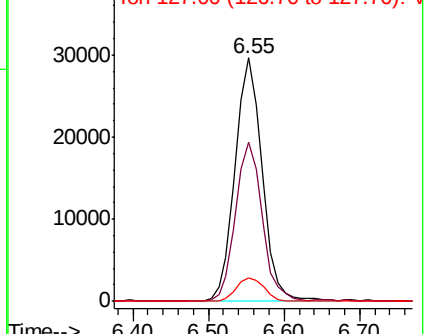
83 100

85 65.5 55.2 82.8

127 9.9 7.3 10.9



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: 20.221 ug/l

RT: 6.88 min Scan# 644

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

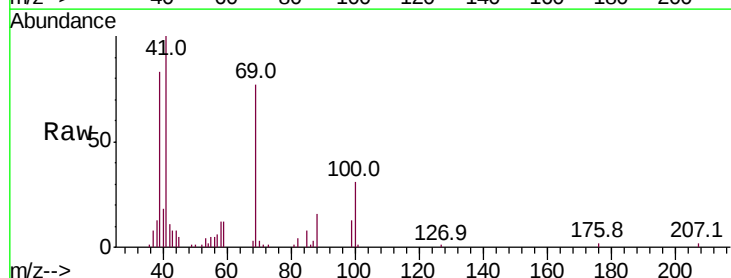
Tgt Ion: 41 Resp: 29807

Ion Ratio Lower Upper

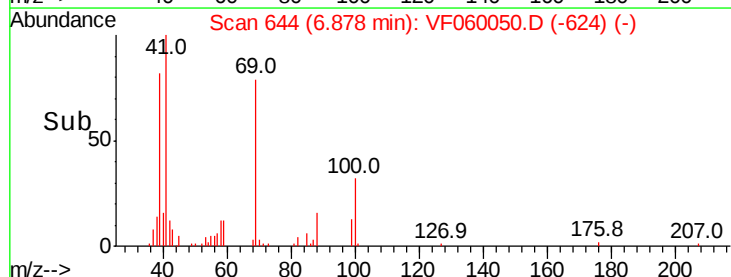
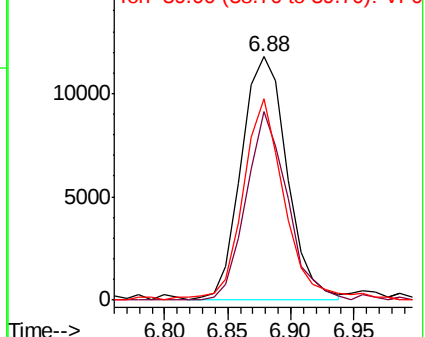
41 100

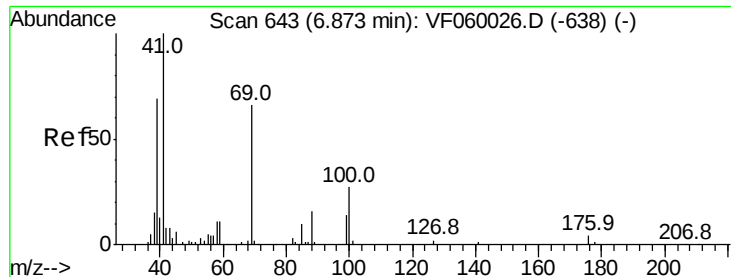
69 77.4 54.6 81.8

39 82.7 56.5 84.7



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

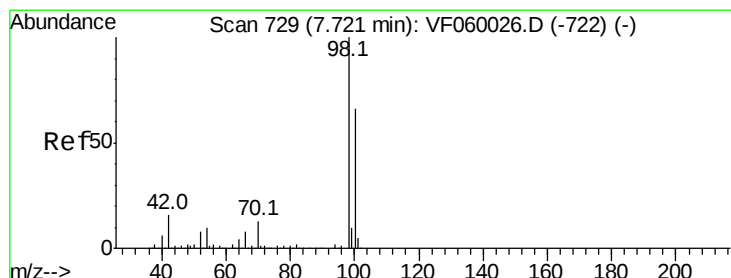
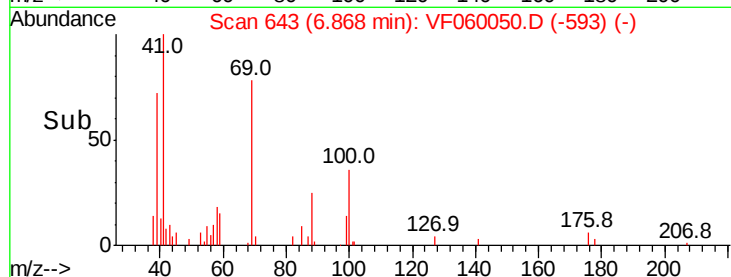
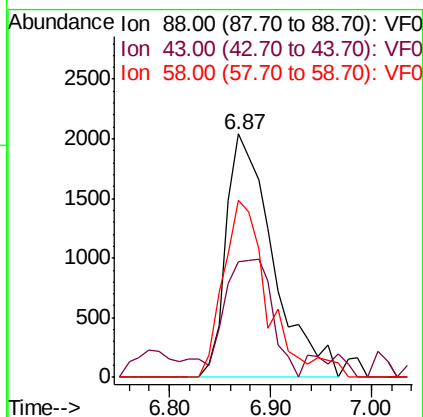
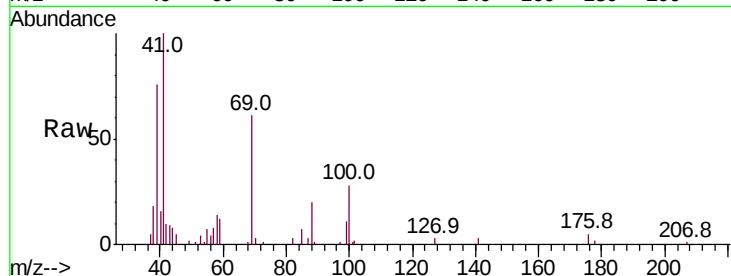




#49
 1,4-Dioxane
 Concen: 467.192 ug/l
 RT: 6.87 min Scan# 643
 Delta R.T. -0.00 min
 Lab File: VF060050.D
 Acq: 23 Aug 2018 13:50

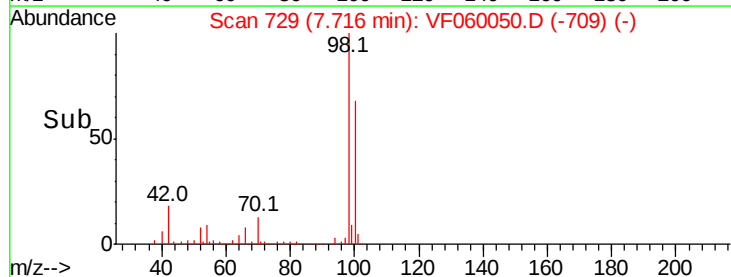
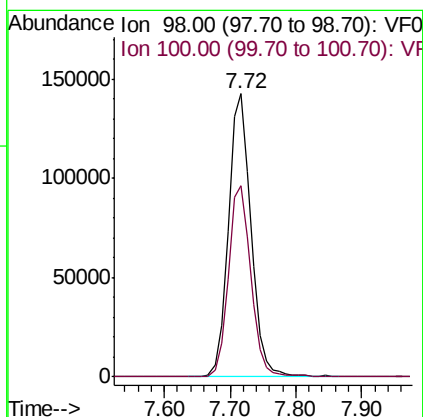
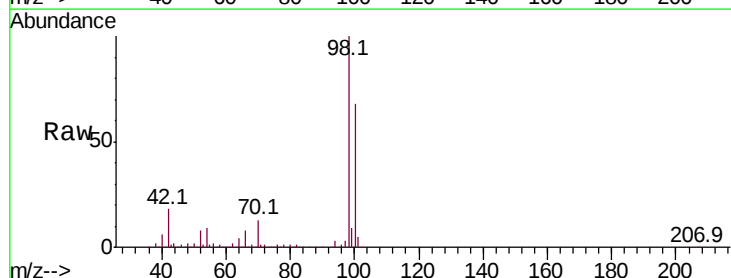
Instrument :
 MSVOA_F
 ClientSampled :

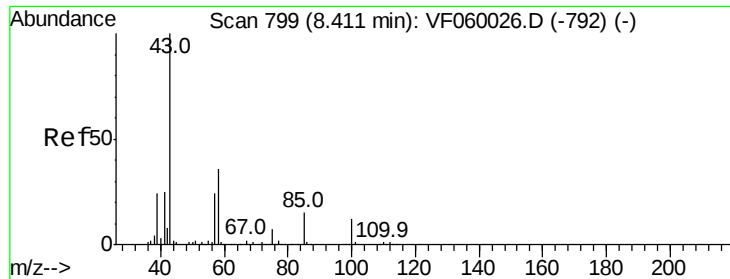
Tot Ion: 88 Resp: 6611
 Ion Ratio Lower Upper
 88 100
 43 47.7 46.5 69.7
 58 72.7 54.8 82.2



#50
 Toluene-d8
 Concen: 48.850 ug/l
 RT: 7.72 min Scan# 729
 Delta R.T. -0.00 min
 Lab File: VF060050.D
 Acq: 23 Aug 2018 13:50

Tgt Ion: 98 Resp: 343068
 Ion Ratio Lower Upper
 98 100
 100 67.8 53.2 79.8





#51

4-Methyl-2-Pentanone

Concen: 116.834 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

Instrument :

MSVOA_F

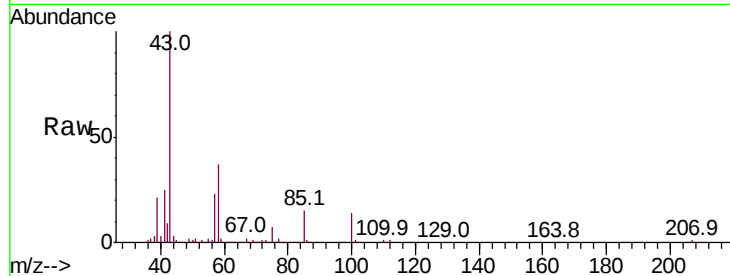
ClientSampleId :

Tot Ion: 43 Resp: 224748

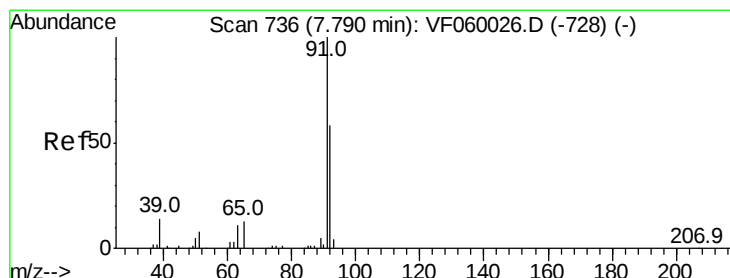
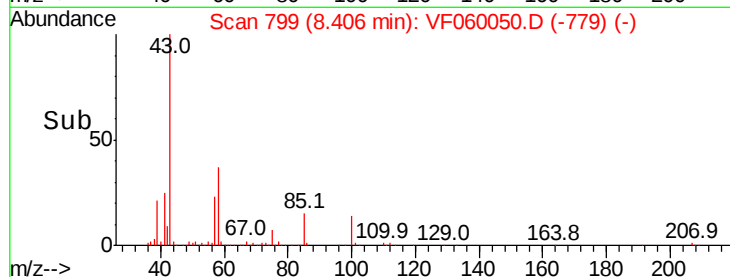
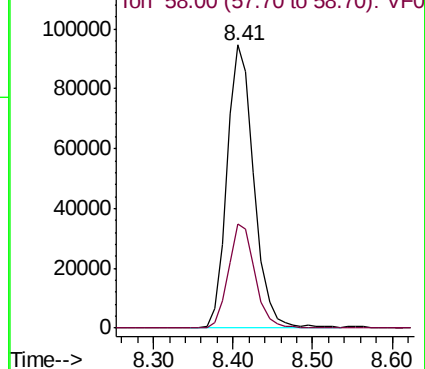
Ion Ratio Lower Upper

43 100

58 37.0 28.6 42.8



Abundance Ion 43.00 (42.70 to 43.70): VF0



#52

Toluene

Concen: 22.340 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF060050.D

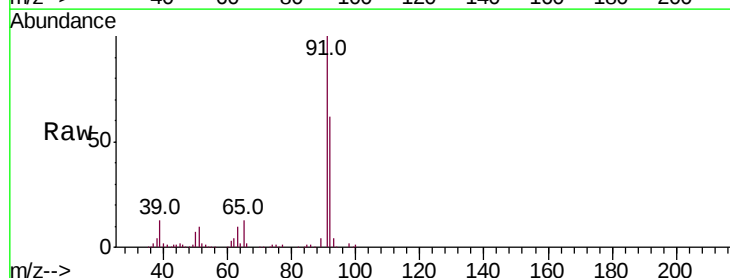
Acq: 23 Aug 2018 13:50

Tgt Ion: 92 Resp: 104195

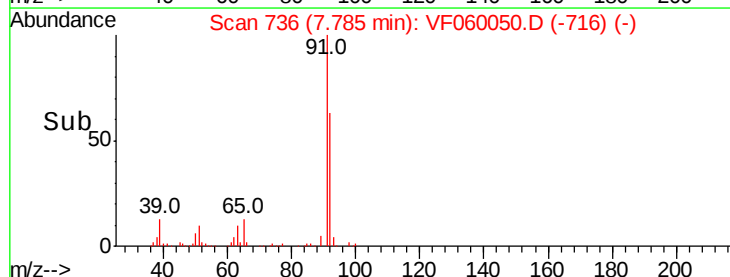
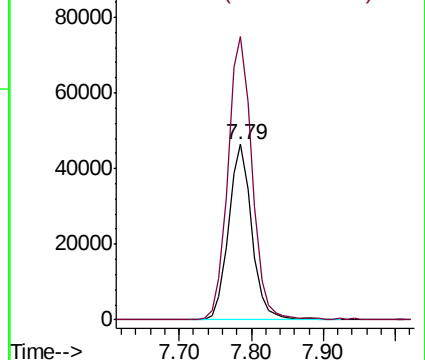
Ion Ratio Lower Upper

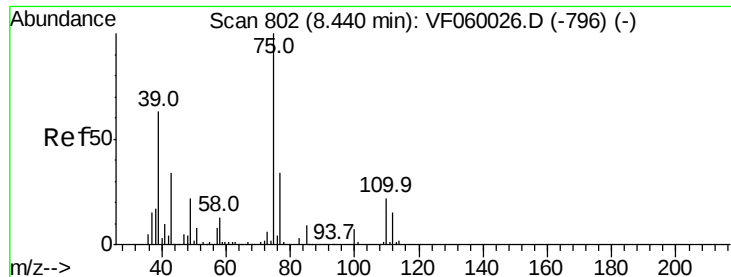
92 100

91 161.2 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VF0





#53

t-1,3-Dichloropropene

Concen: 22.053 ug/l

RT: 8.44 min Scan# 802

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

Instrument :

MSVOA_F

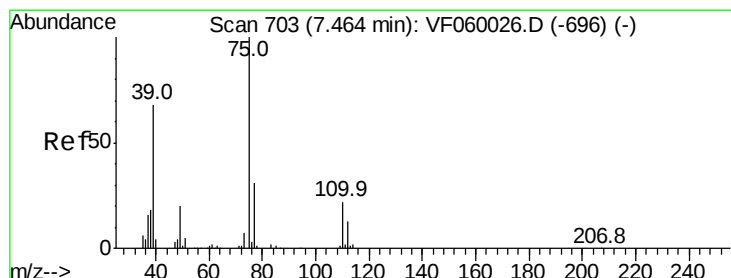
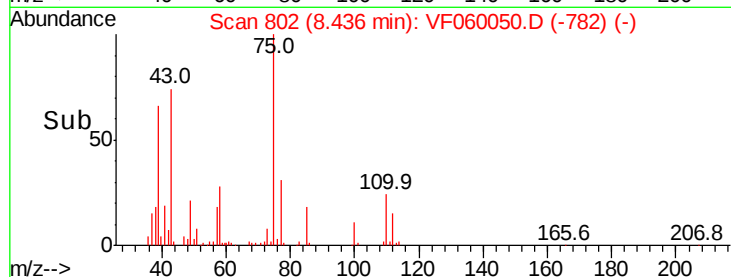
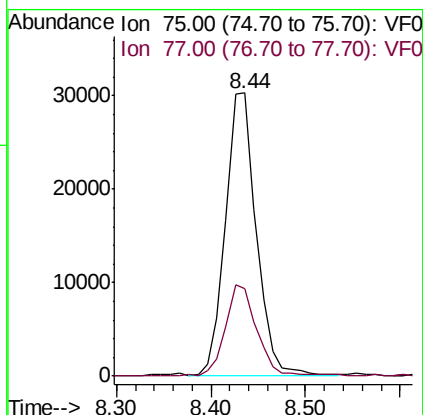
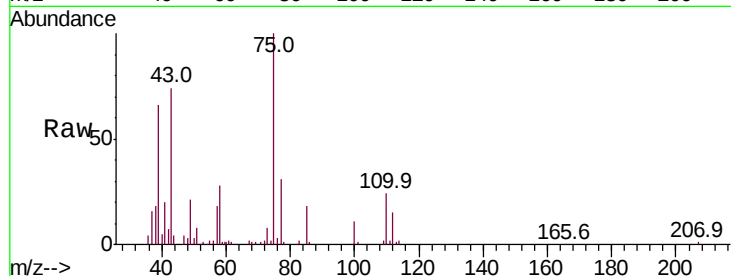
ClientSampleId :

Tot Ion: 75 Resp: 69118

Ion Ratio Lower Upper

75 100

77 30.8 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 22.417 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

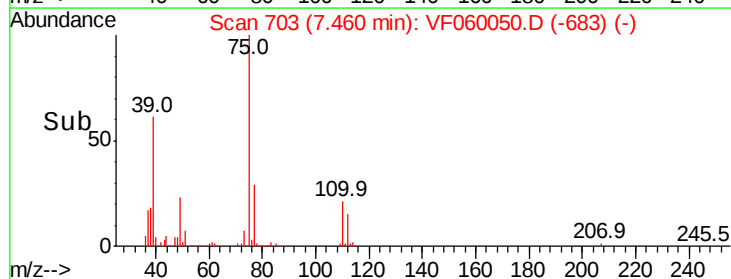
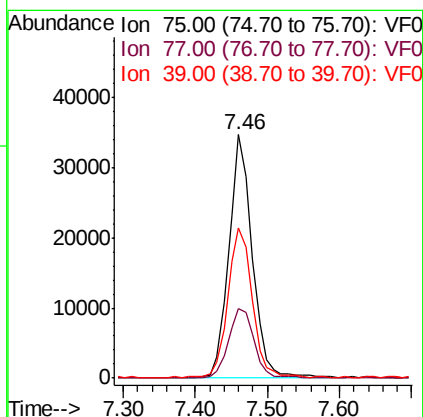
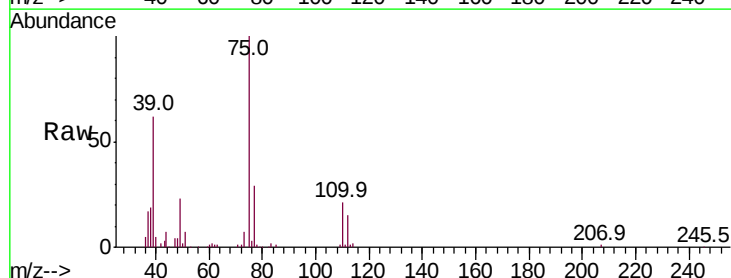
Tgt Ion: 75 Resp: 78412

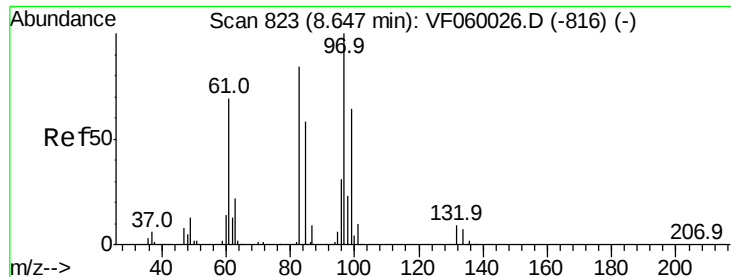
Ion Ratio Lower Upper

75 100

77 28.5 24.6 37.0

39 61.8 54.6 81.8





#55

1,1,2-Trichloroethane

Concen: 21.252 ug/l

RT: 8.64 min Scan# 823

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 97 Resp: 37071

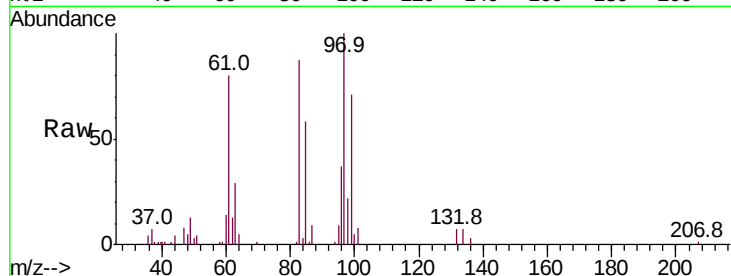
Ion	Ratio	Lower	Upper
97	100		
83	86.6	67.4	101.2
85	58.4	46.2	69.2
99	71.2	51.1	76.7

97 100

83 86.6 67.4 101.2

85 58.4 46.2 69.2

99 71.2 51.1 76.7



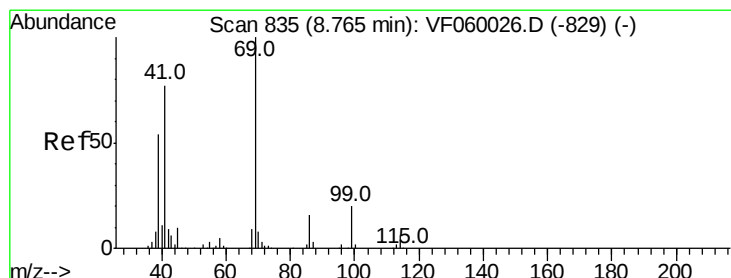
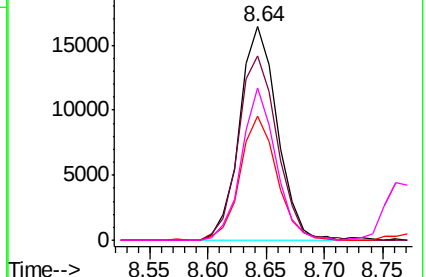
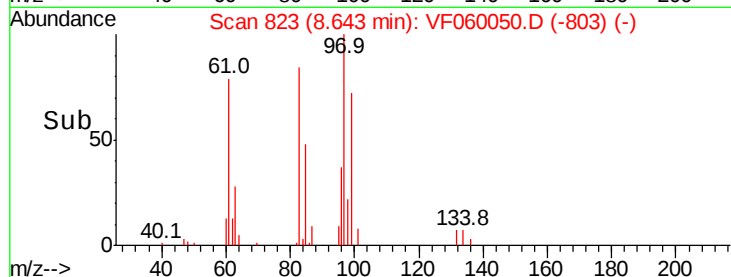
Abundance Ion 97.00 (96.70 to 97.70): VF0

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

Time-->



#56

Ethyl methacrylate

Concen: 21.196 ug/l

RT: 8.76 min Scan# 835

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

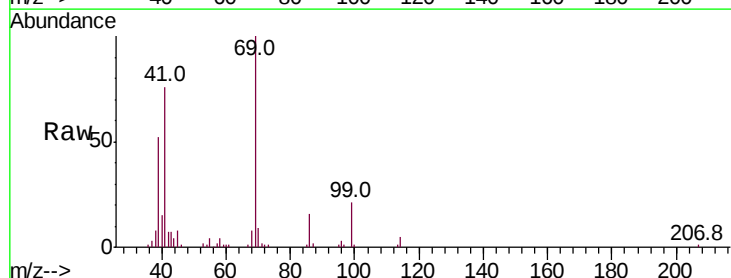
Tgt Ion: 69 Resp: 44753

Ion	Ratio	Lower	Upper
69	100		
41	76.4	61.6	92.4
39	51.7	43.9	65.9

69 100

41 76.4 61.6 92.4

39 51.7 43.9 65.9

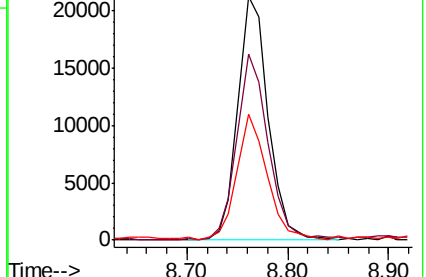
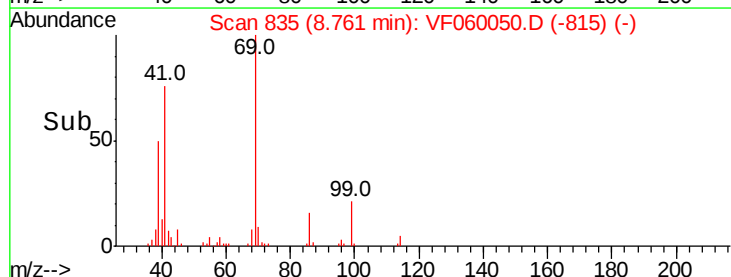


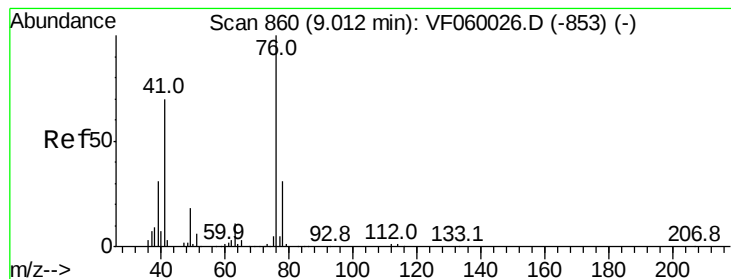
Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Time-->





#57

1,3-Dichloropropane

Concen: 22.229 ug/l

RT: 9.01 min Scan# 860

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

Instrument :

MSVOA_F

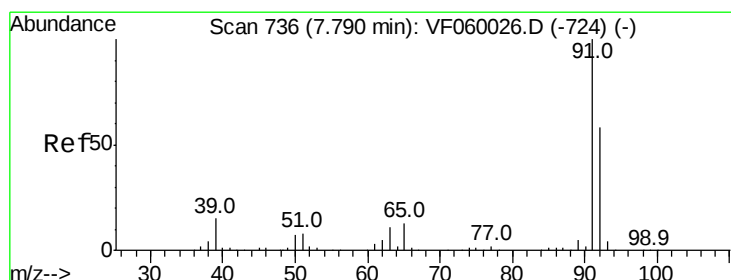
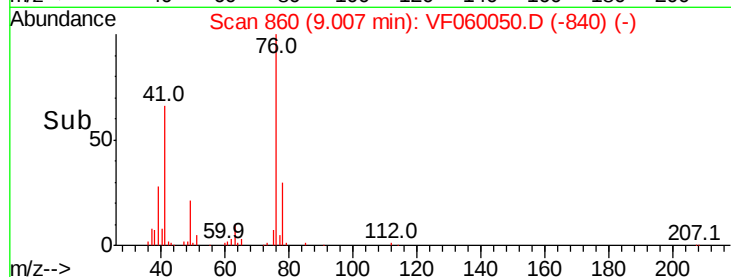
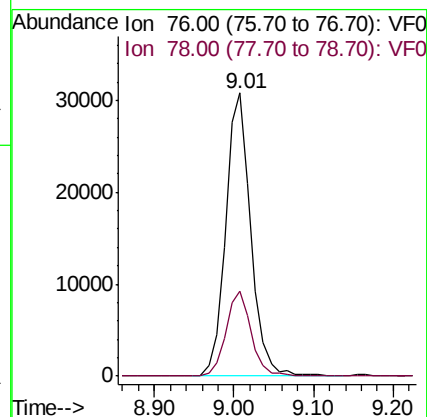
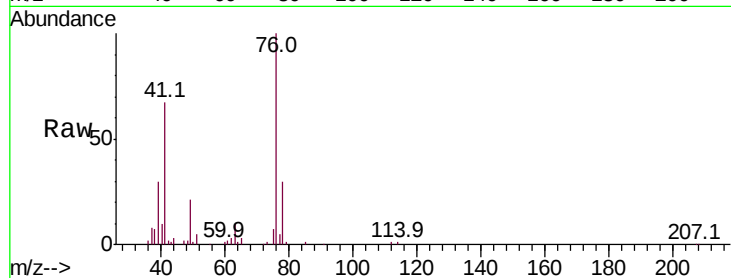
ClientSampleId :

Tot Ion: 76 Resp: 68153

Ion Ratio Lower Upper

76 100

78 30.2 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 100.069 ug/l

RT: 7.79 min Scan# 736

Delta R.T. -0.00 min

Lab File: VF060050.D

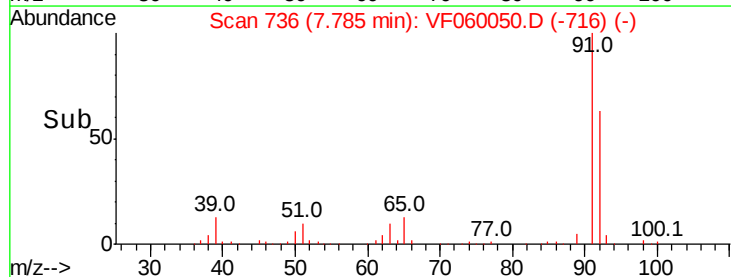
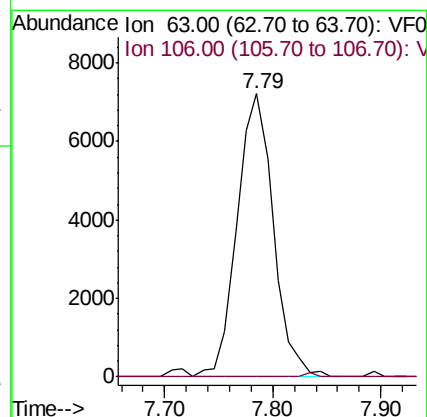
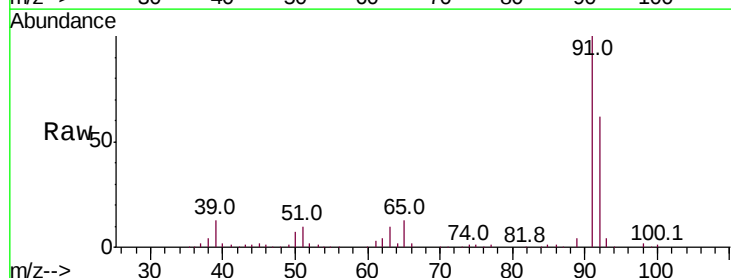
Acq: 23 Aug 2018 13:50

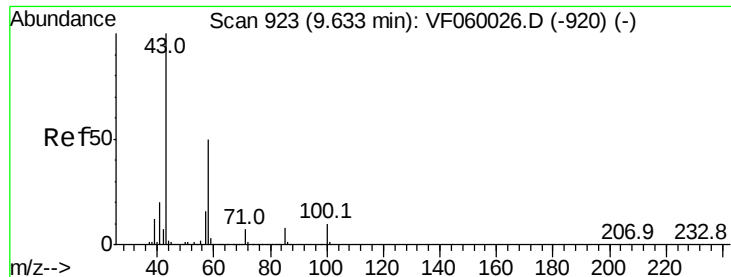
Tgt Ion: 63 Resp: 16771

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

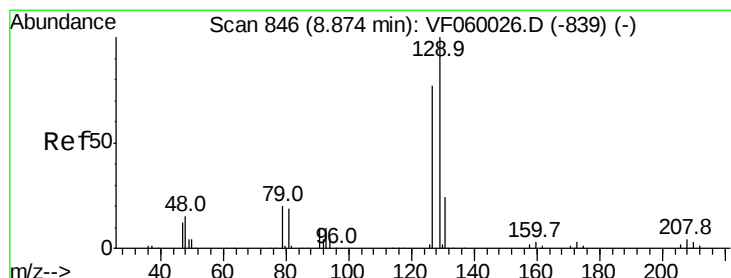
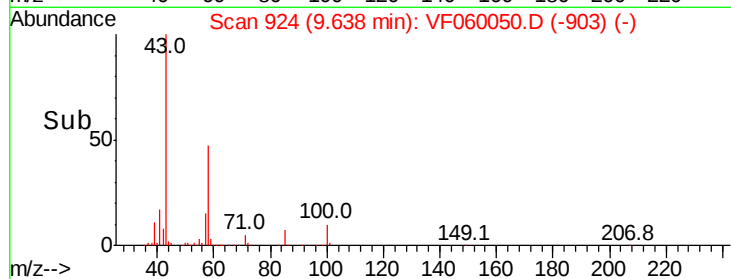
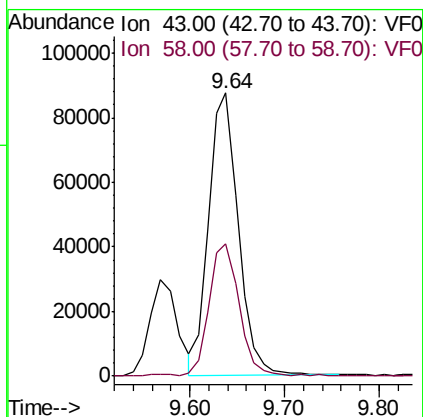
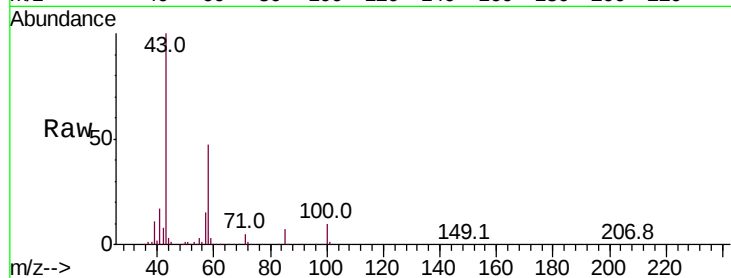




#59
2-Hexanone
Concen: 122.934 ug/l
RT: 9.64 min Scan# 924
Delta R.T. 0.01 min
Lab File: VF060050.D
Acq: 23 Aug 2018 13:50

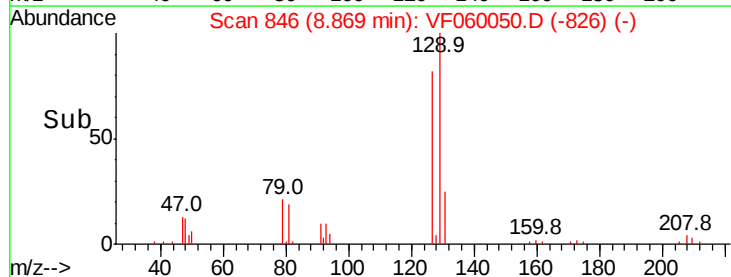
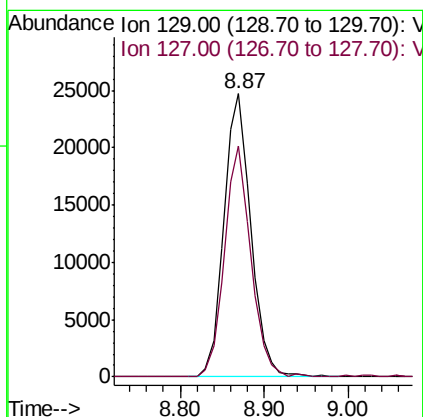
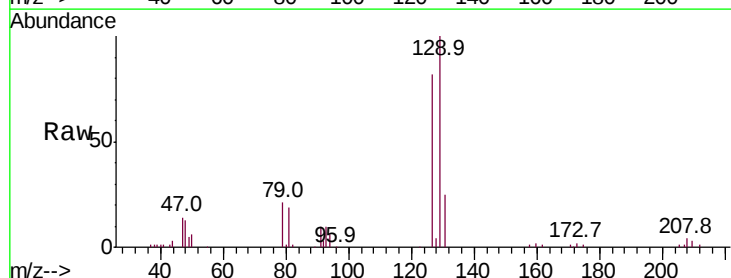
Instrument :
MSVOA_F
ClientSampleId :

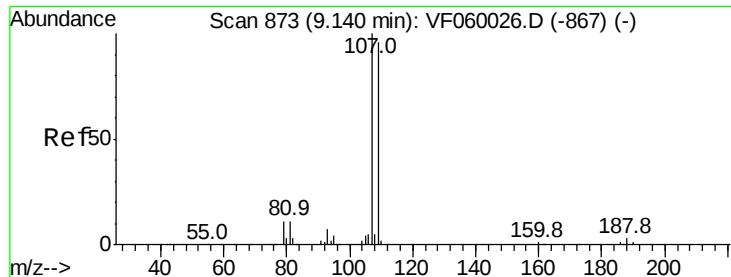
Tot Ion: 43 Resp: 191398
Ion Ratio Lower Upper
43 100
58 46.8 23.4 70.2



#60
Dibromochloromethane
Concen: 21.279 ug/l
RT: 8.87 min Scan# 846
Delta R.T. -0.00 min
Lab File: VF060050.D
Acq: 23 Aug 2018 13:50

Tgt Ion: 129 Resp: 54792
Ion Ratio Lower Upper
129 100
127 81.6 38.6 115.8

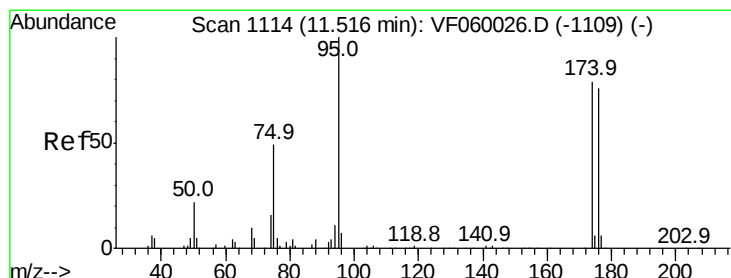
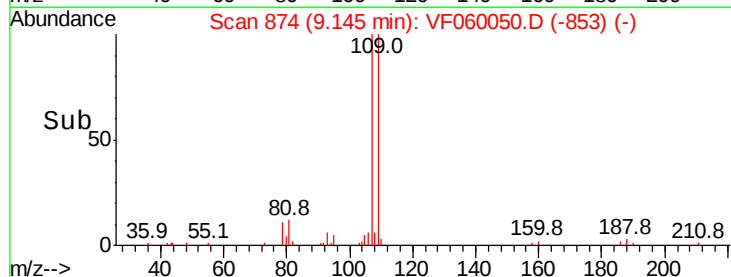
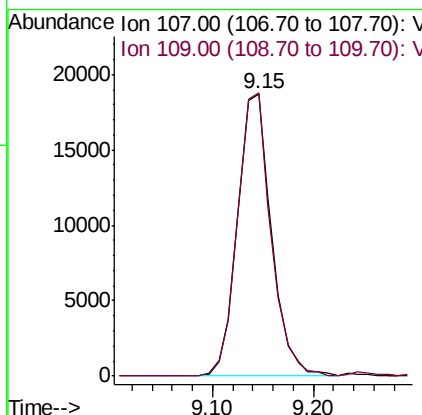
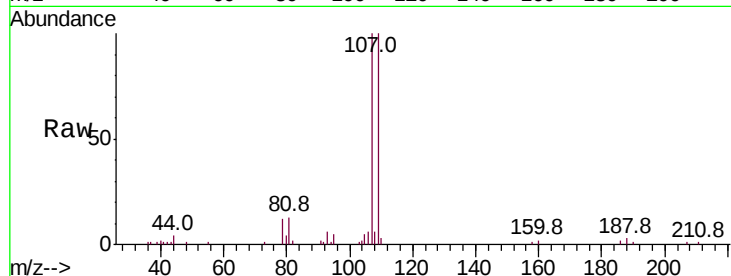




#61
 1,2-Dibromoethane
 Concen: 21.365 ug/l
 RT: 9.15 min Scan# 874
 Delta R.T. 0.01 min
 Lab File: VF060050.D
 Acq: 23 Aug 2018 13:50

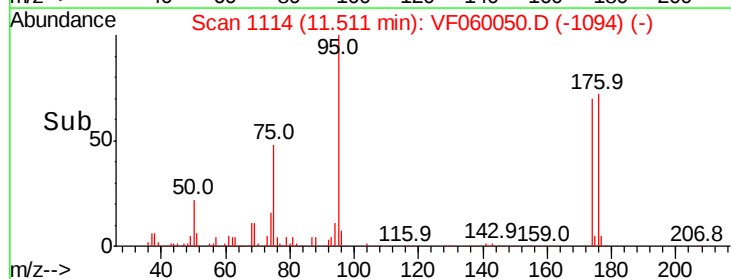
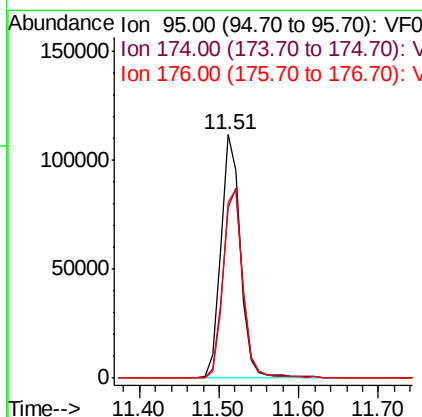
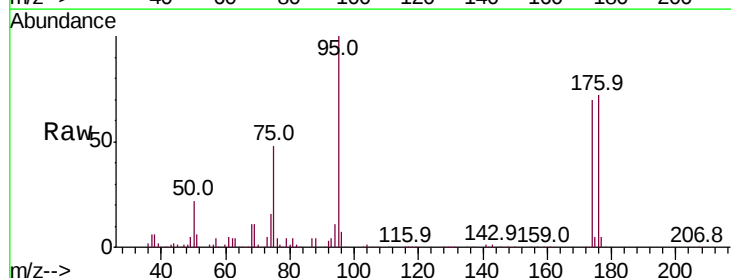
Instrument :
 MSVOA_F
 ClientSampleId :

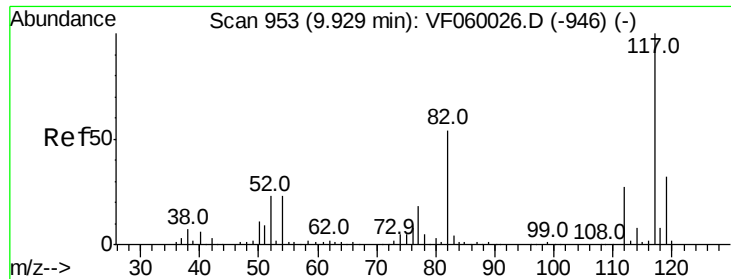
Tot Ion:107 Resp: 43767
 Ion Ratio Lower Upper
 107 100
 109 100.2 76.5 114.7



#62
 4-Bromofluorobenzene
 Concen: 52.434 ug/l
 RT: 11.51 min Scan# 1114
 Delta R.T. -0.00 min
 Lab File: VF060050.D
 Acq: 23 Aug 2018 13:50

Tgt Ion: 95 Resp: 194802
 Ion Ratio Lower Upper
 95 100
 174 70.2 0.0 158.4
 176 72.2 0.0 153.0

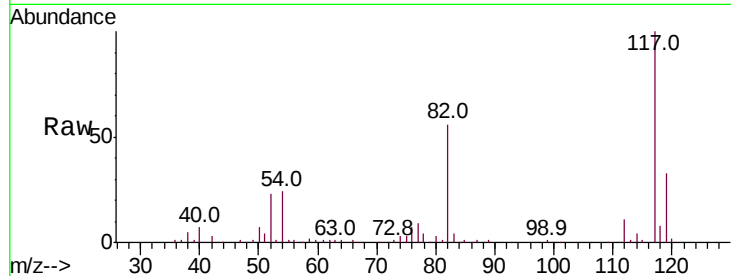




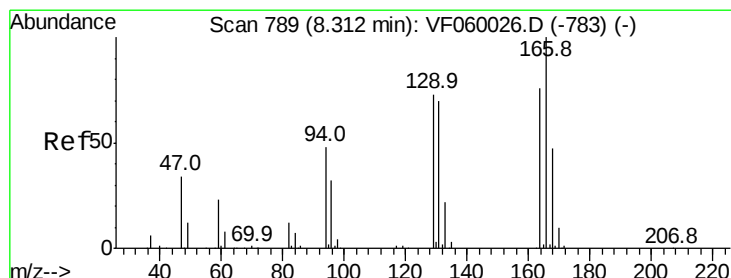
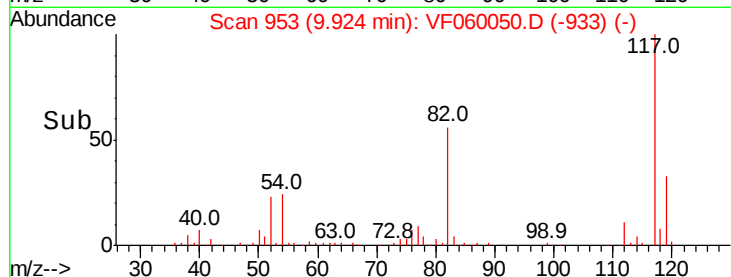
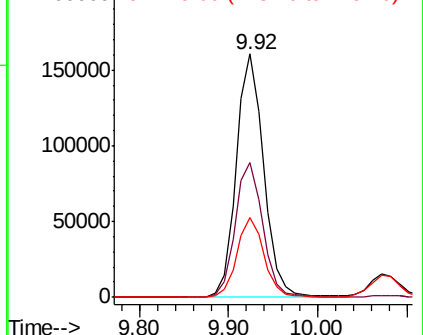
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.00 min
Lab File: VF060050.D
Acq: 23 Aug 2018 13:50

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:117 Resp: 344603
Ion Ratio Lower Upper
117 100
82 55.6 43.6 65.4
119 32.9 25.6 38.4

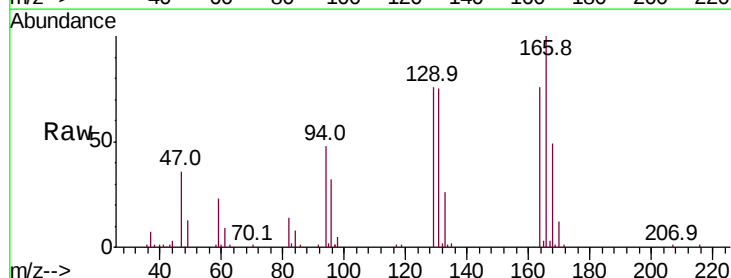


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

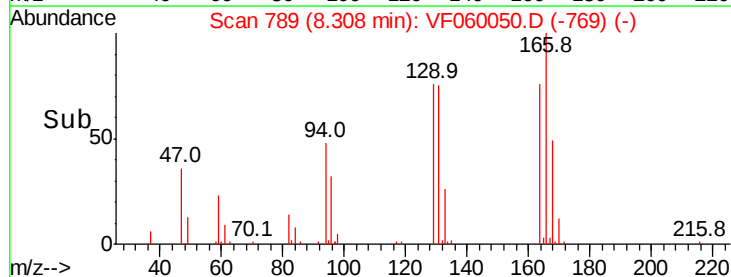
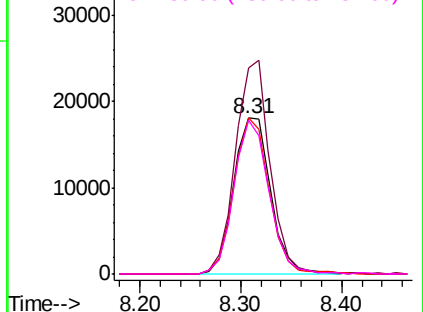


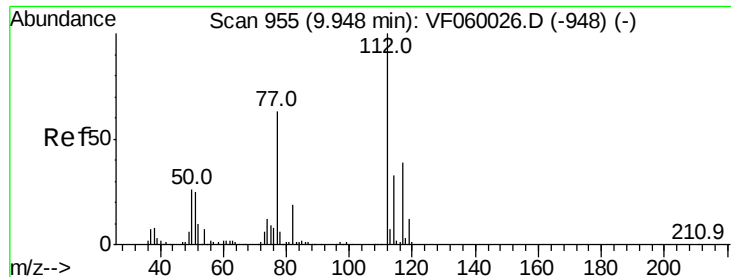
#64
Tetrachloroethene
Concen: 19.879 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF060050.D
Acq: 23 Aug 2018 13:50

Tgt Ion:164 Resp: 46147
Ion Ratio Lower Upper
164 100
166 132.3 104.7 157.1
129 100.4 77.0 115.4
131 98.7 72.9 109.3



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V

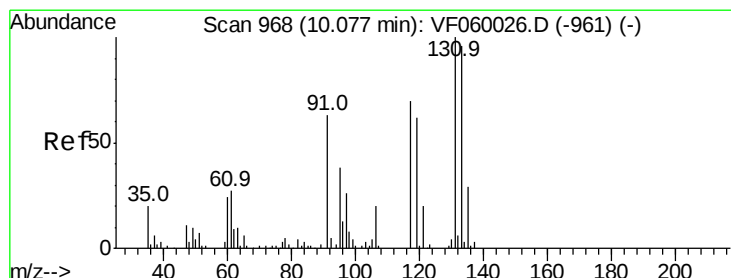
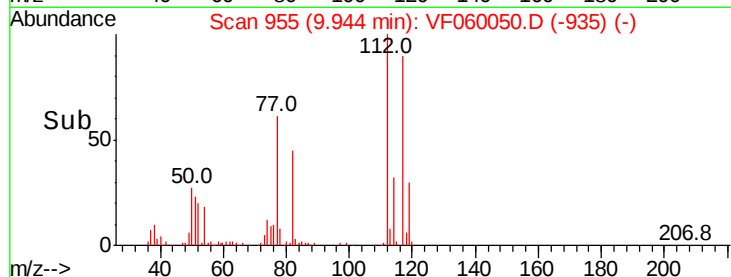
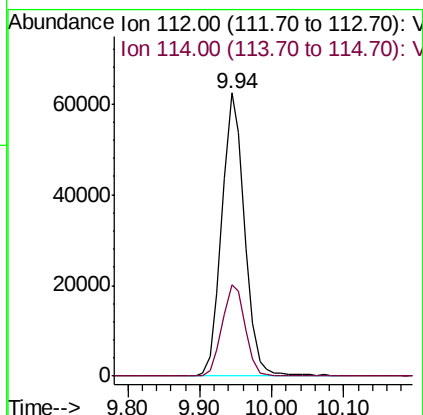
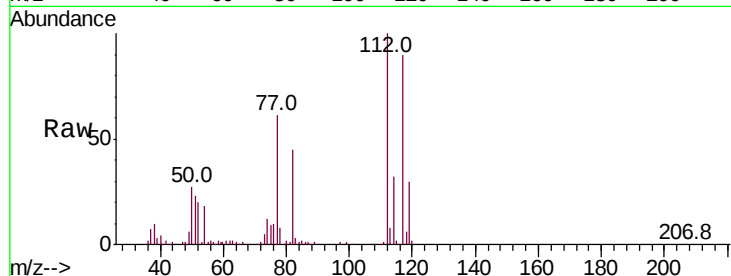




#65
Chlorobenzene
Concen: 21.002 ug/l
RT: 9.94 min Scan# 955
Delta R.T. -0.00 min
Lab File: VF060050.D
Acq: 23 Aug 2018 13:50

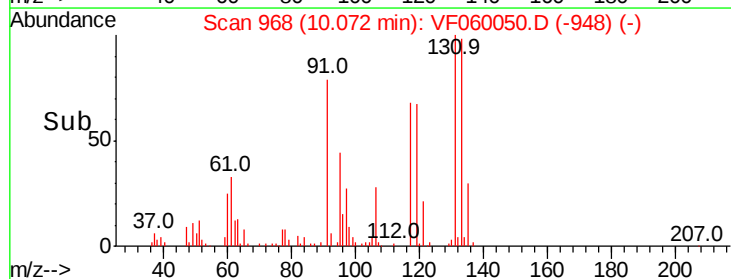
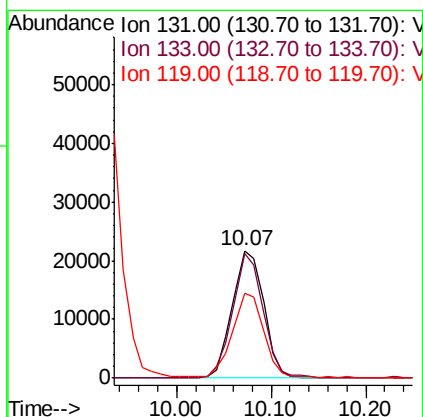
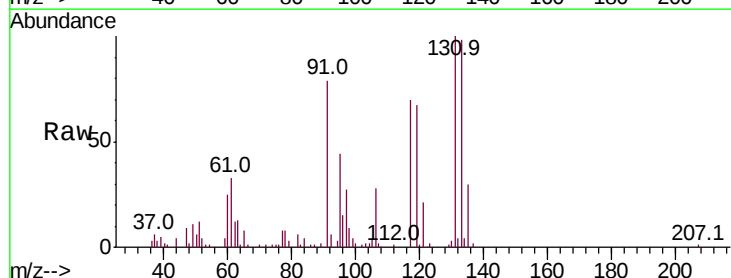
Instrument :
MSVOA_F
ClientSampleId :

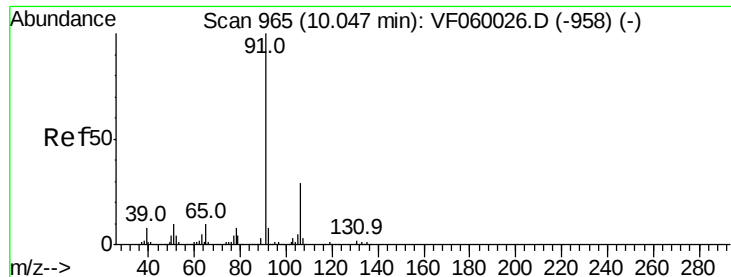
Tot Ion:112 Resp: 136660
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.377 ug/l
RT: 10.07 min Scan# 968
Delta R.T. -0.00 min
Lab File: VF060050.D
Acq: 23 Aug 2018 13:50

Tgt Ion:131 Resp: 50291
Ion Ratio Lower Upper
131 100
133 97.8 48.2 144.6
119 66.9 31.4 94.2





#67

Ethyl Benzene

Concen: 21.536 ug/l

RT: 10.04 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

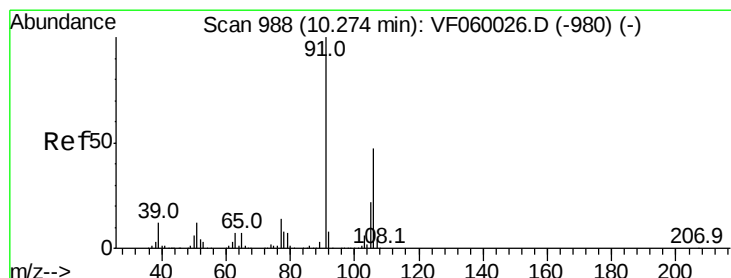
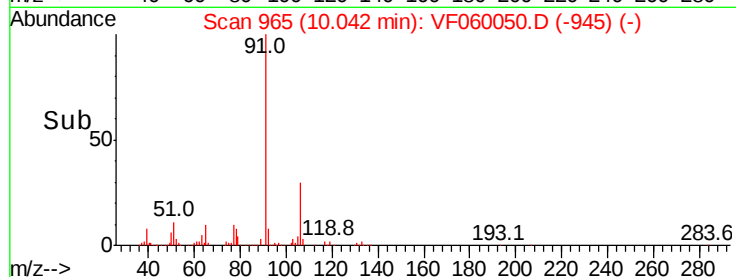
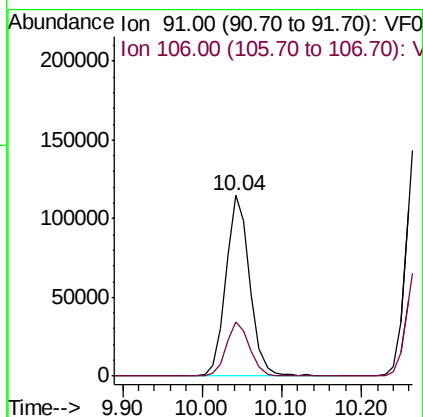
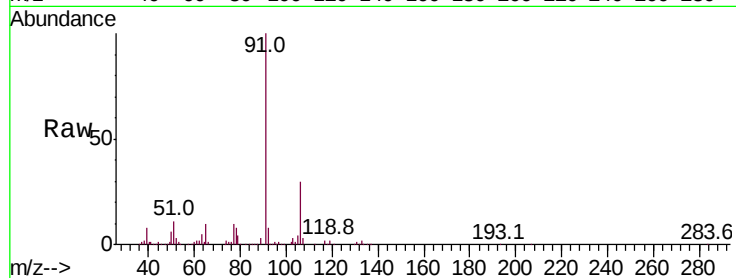
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 91 Resp: 241801

Ion Ratio Lower Upper

91 100

106 29.7 23.6 35.4



#68

m/p-Xylenes

Concen: 43.472 ug/l

RT: 10.27 min Scan# 988

Delta R.T. -0.00 min

Lab File: VF060050.D

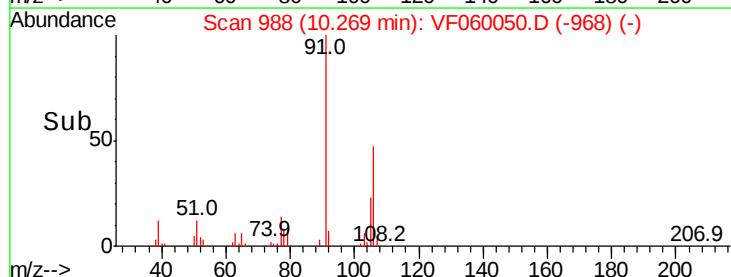
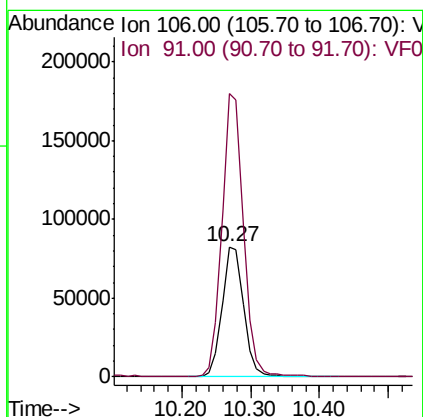
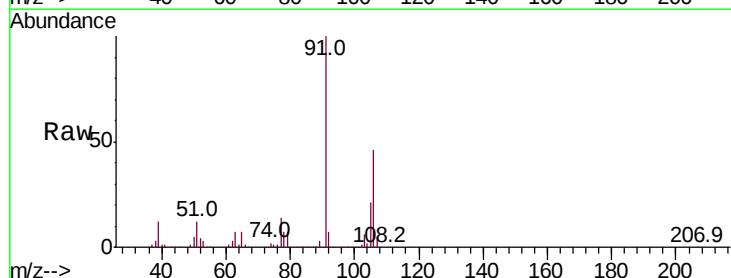
Acq: 23 Aug 2018 13:50

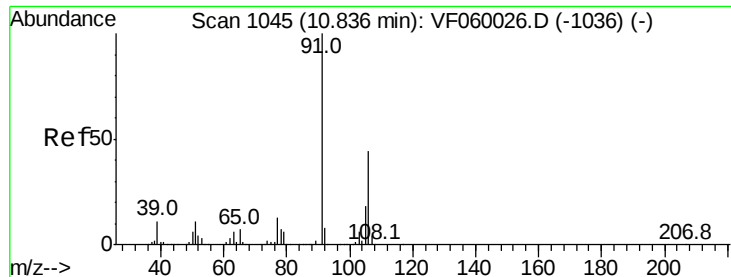
Tgt Ion: 106 Resp: 179343

Ion Ratio Lower Upper

106 100

91 218.1 171.8 257.8

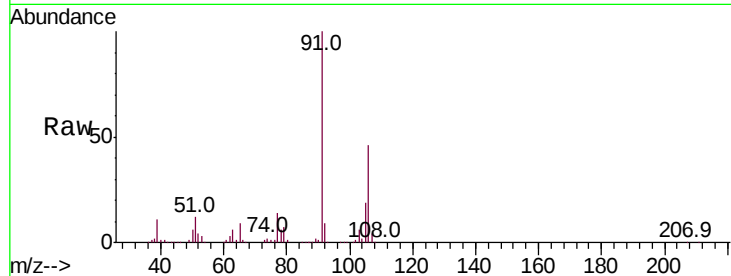




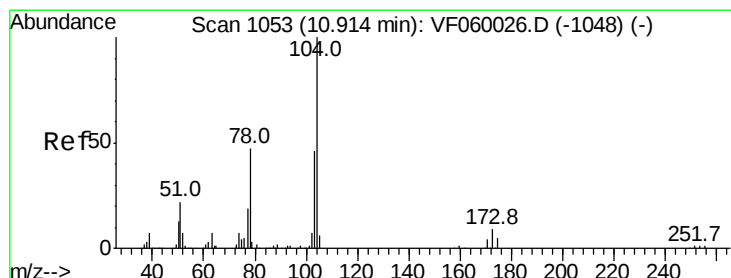
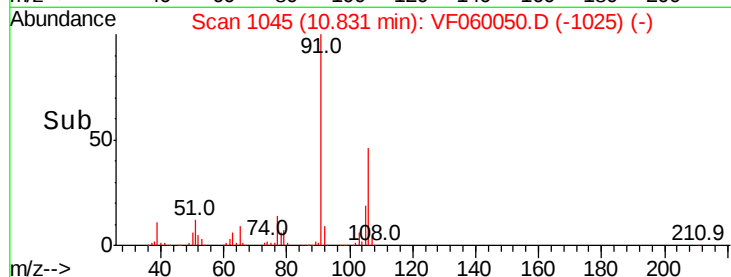
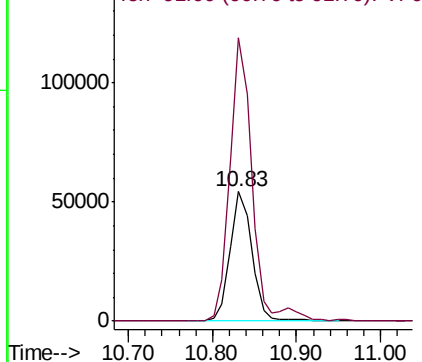
#69
o-Xylene
Concen: 22.613 ug/l
RT: 10.83 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VF060050.D
Acq: 23 Aug 2018 13:50

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:106 Resp: 99472
Ion Ratio Lower Upper
106 100
91 219.0 112.5 337.5

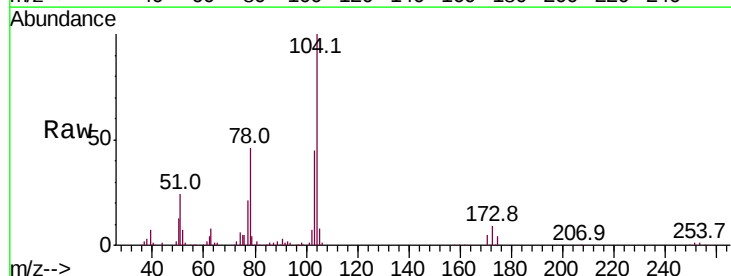


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

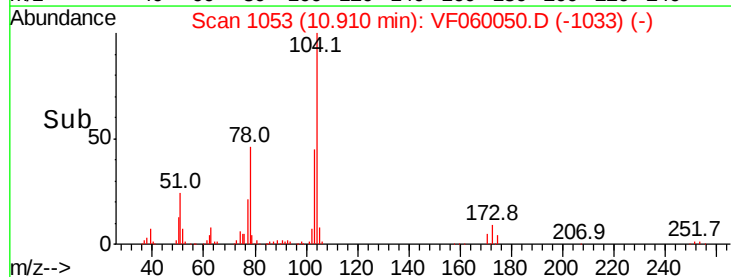
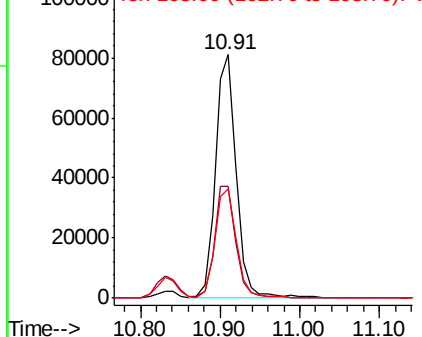


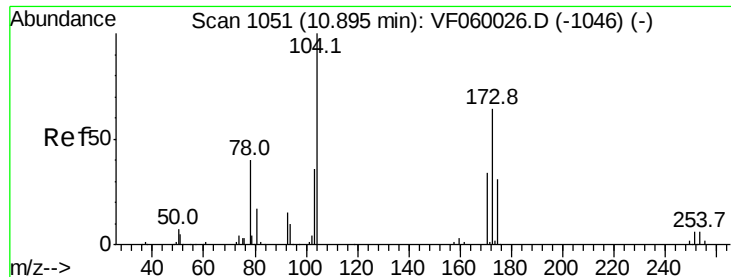
#70
Styrene
Concen: 22.043 ug/l
RT: 10.91 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VF060050.D
Acq: 23 Aug 2018 13:50

Tgt Ion:104 Resp: 148765
Ion Ratio Lower Upper
104 100
78 45.7 38.0 57.0
103 45.0 37.6 56.4



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VF0
Ion 103.00 (102.70 to 103.70): V

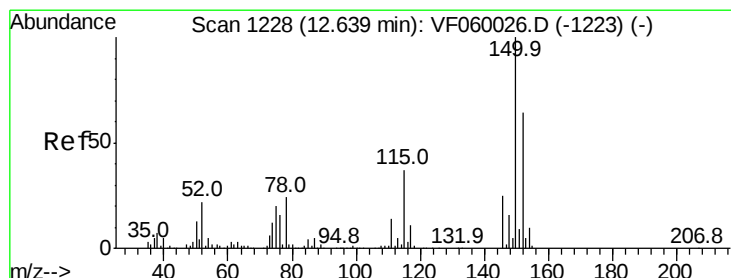
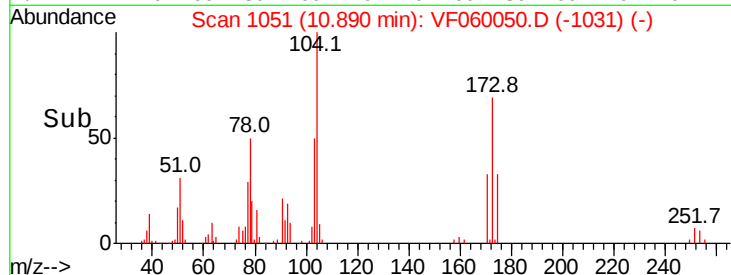
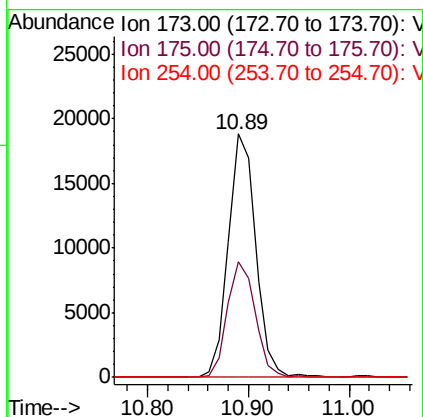
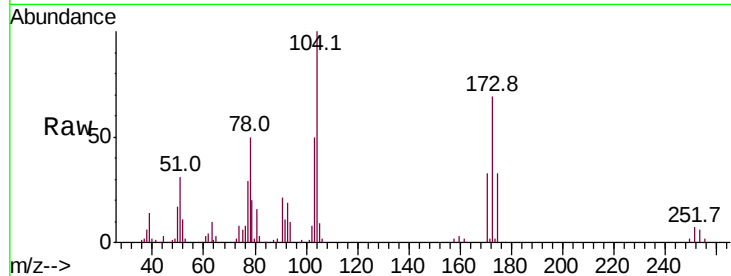




#71
Bromoform
Concen: 20.708 ug/l
RT: 10.89 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VF060050.D
Acq: 23 Aug 2018 13:50

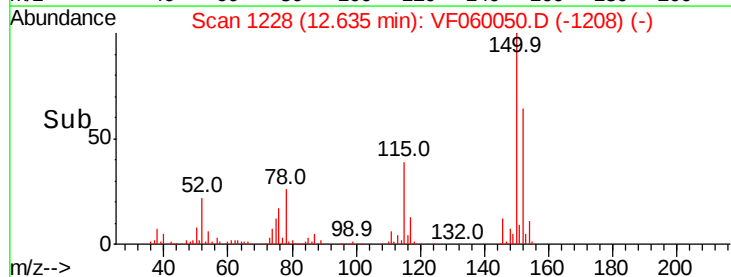
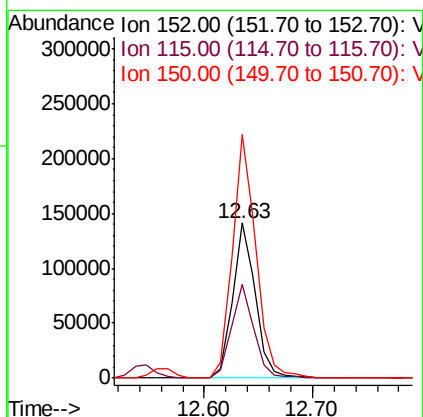
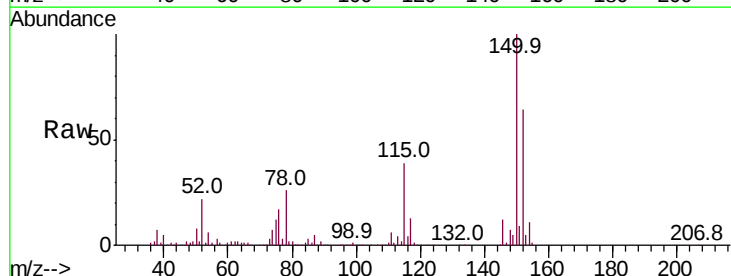
Instrument :
MSVOA_F
ClientSampleId :

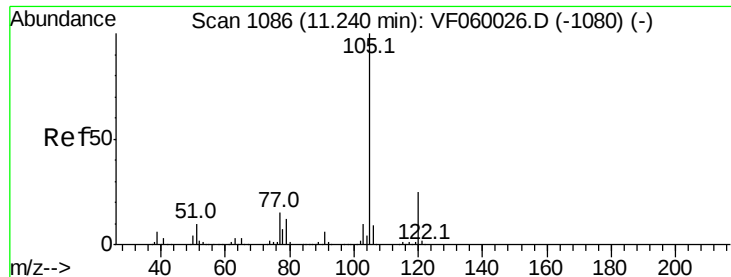
Tot Ion:173 Resp: 35657
Ion Ratio Lower Upper
173 100
175 47.4 24.7 74.1
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VF060050.D
Acq: 23 Aug 2018 13:50

Tgt Ion:152 Resp: 207336
Ion Ratio Lower Upper
152 100
115 60.8 28.6 85.9
150 156.9 0.0 312.0





#73

Isopropylbenzene

Concen: 22.834 ug/l

RT: 11.24 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

Instrument :

MSVOA_F

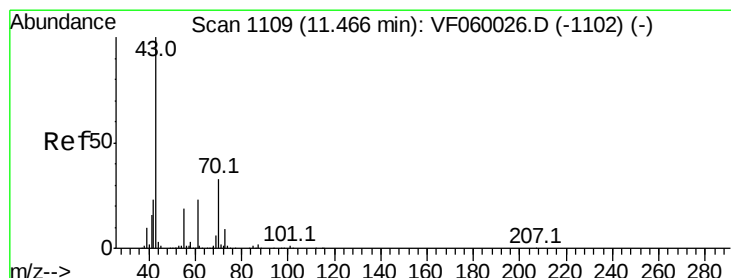
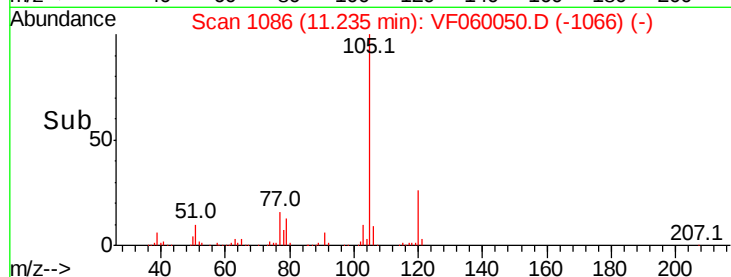
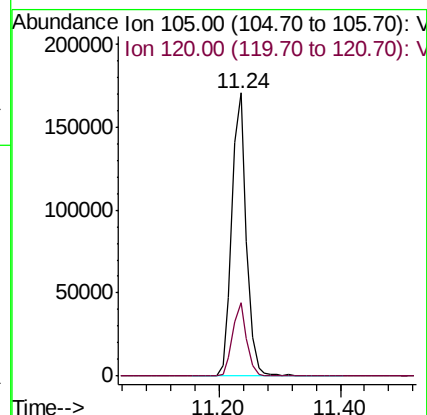
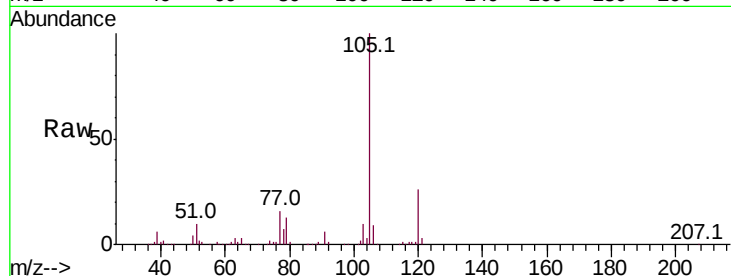
ClientSampleId :

Tot Ion:105 Resp: 284980

Ion Ratio Lower Upper

105 100

120 25.7 12.7 38.0



#74

N-ethyl acetate

Concen: 21.766 ug/l

RT: 11.47 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

Tgt Ion: 43 Resp: 84436

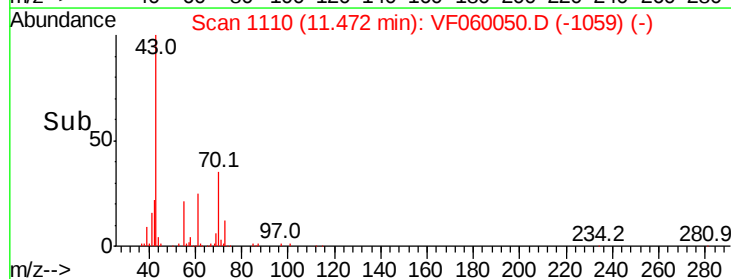
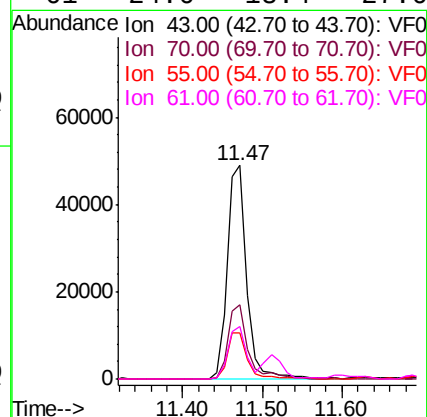
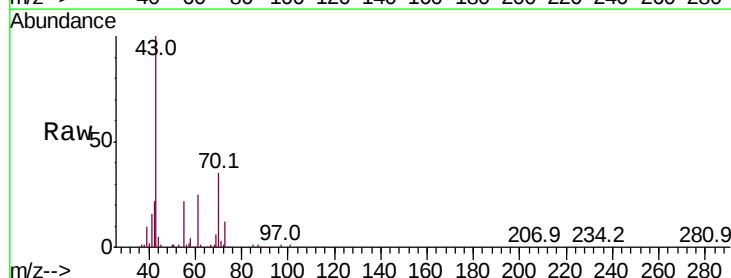
Ion Ratio Lower Upper

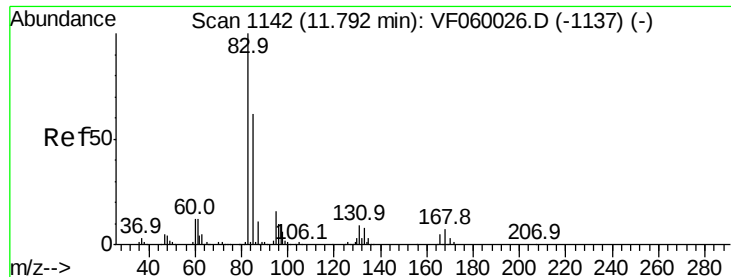
43 100

70 34.6 26.4 39.6

55 21.5 15.0 22.4

61 24.6 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.949 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

Instrument :

MSVOA_F

ClientSampleId :

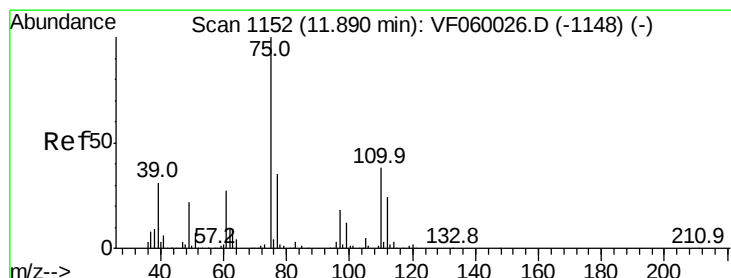
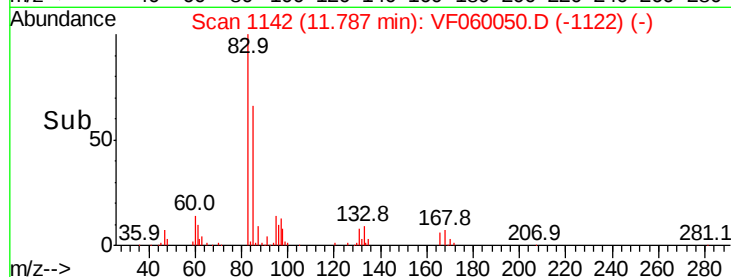
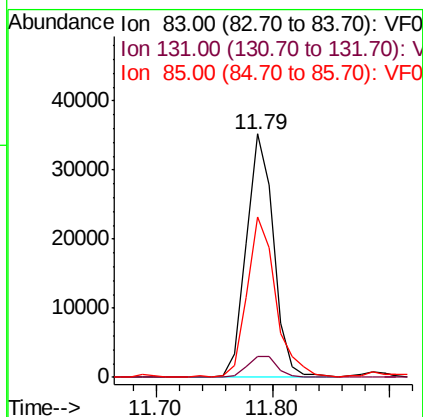
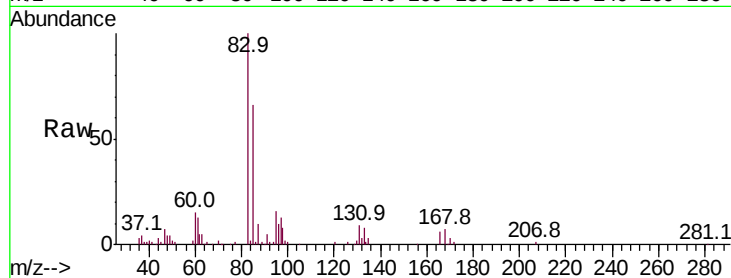
Tot Ion: 83 Resp: 57099

Ion	Ratio	Lower	Upper
83	100		
131	8.5	4.5	13.7
85	66.0	31.3	93.9

83 100

131 8.5 4.5 13.7

85 66.0 31.3 93.9



#76

1,2,3-Trichloropropane

Concen: 20.643 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF060050.D

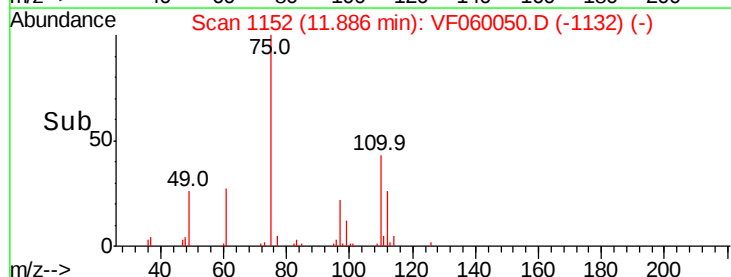
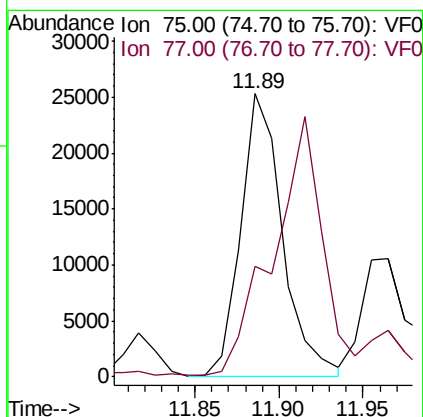
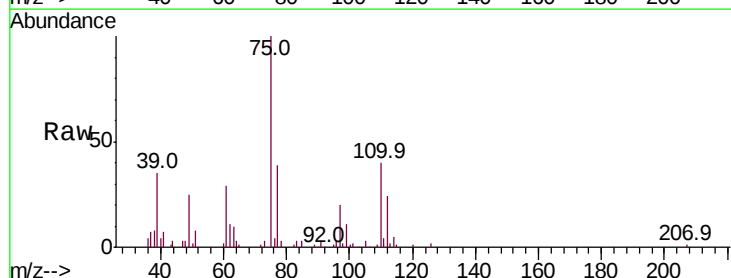
Acq: 23 Aug 2018 13:50

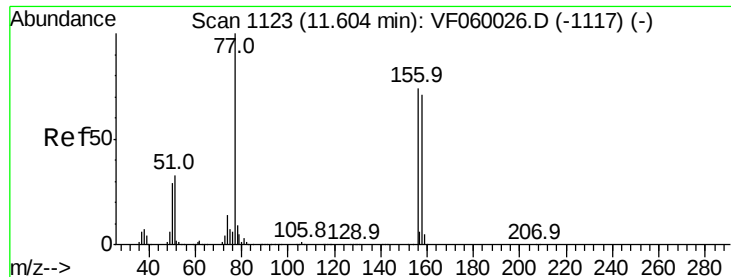
Tgt Ion: 75 Resp: 43633

Ion	Ratio	Lower	Upper
75	100		
77	39.3	17.3	52.0

75 100

77 39.3 17.3 52.0





#77

Bromobenzene

Concen: 21.918 ug/l

RT: 11.60 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

Instrument :

MSVOA_F

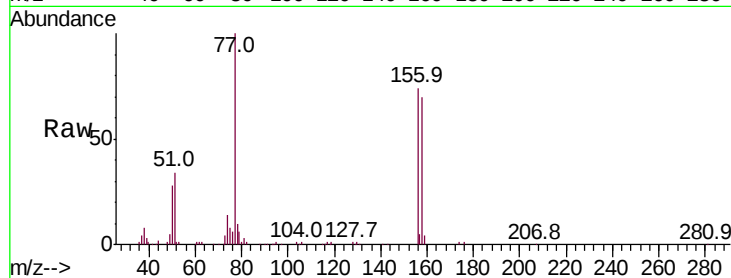
ClientSampleId :

Tot Ion:156 Resp: 74391

Ion	Ratio	Lower	Upper
156	100		
77	135.5	68.0	204.0
158	94.5	48.4	145.3

77 135.5 68.0 204.0

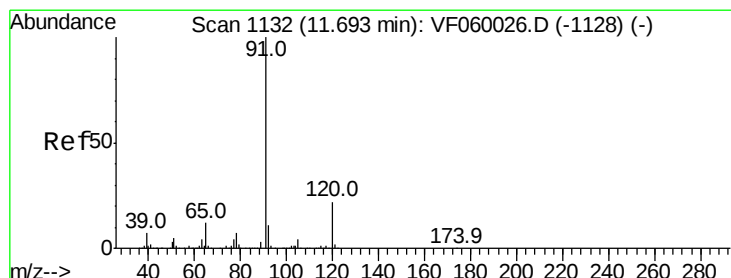
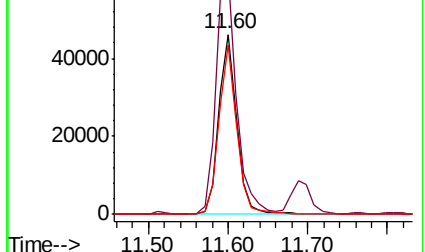
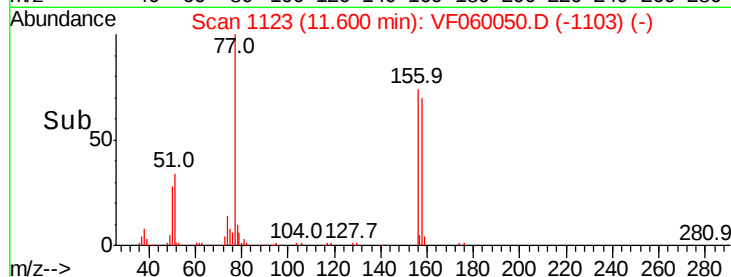
158 94.5 48.4 145.3



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: 22.079 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF060050.D

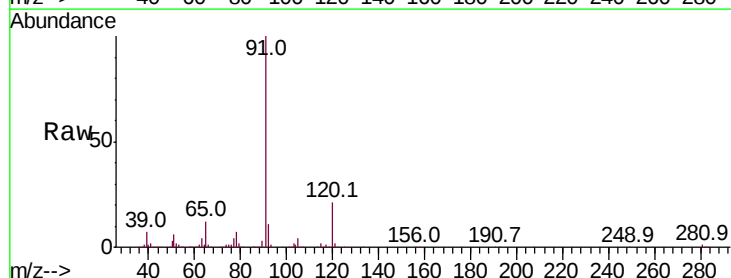
Acq: 23 Aug 2018 13:50

Tgt Ion: 91 Resp: 340102

Ion	Ratio	Lower	Upper
91	100		
120	21.0	10.9	32.7

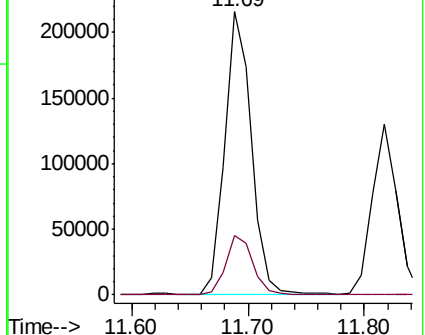
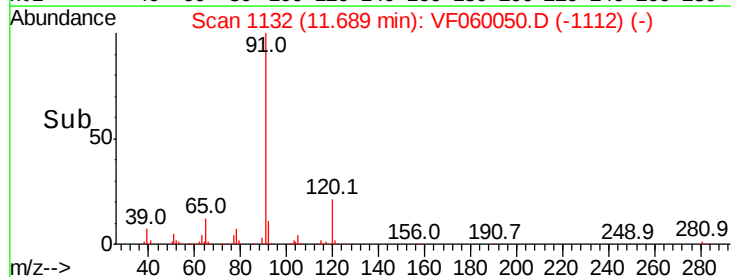
91 100

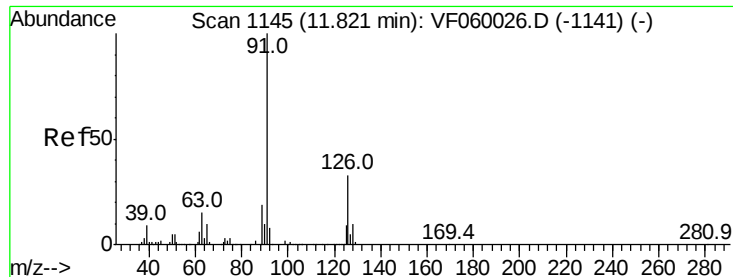
120 21.0 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.443 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

Instrument :

MSVOA_F

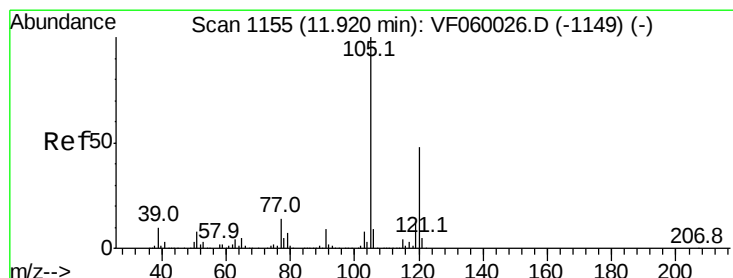
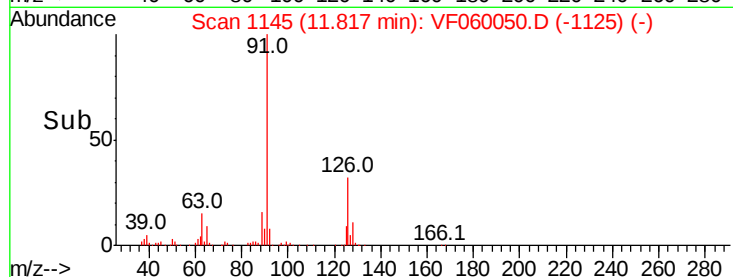
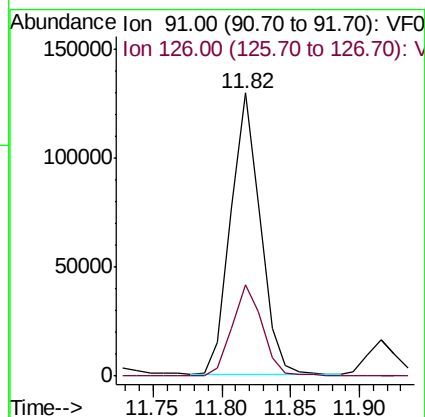
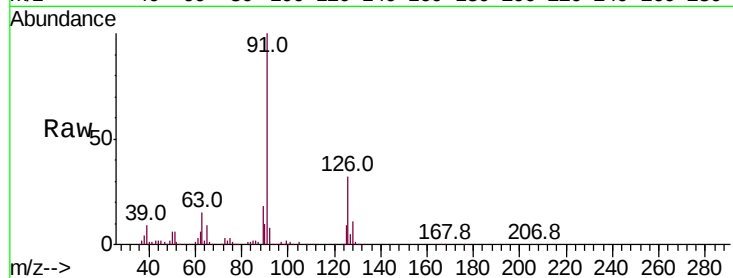
ClientSampled :

Tot Ion: 91 Resp: 194225

Ion Ratio Lower Upper

91 100

126 32.4 16.6 49.7



#80

1,3,5-Trimethylbenzene

Concen: 22.150 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VF060050.D

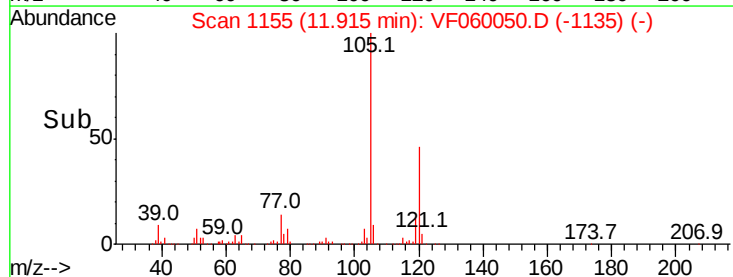
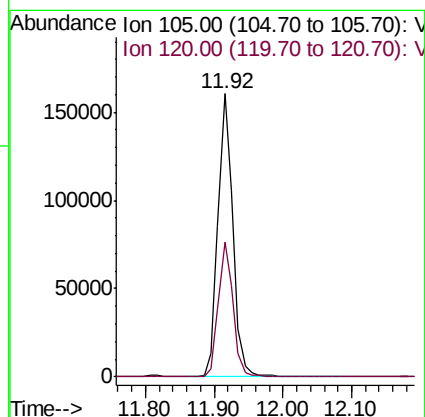
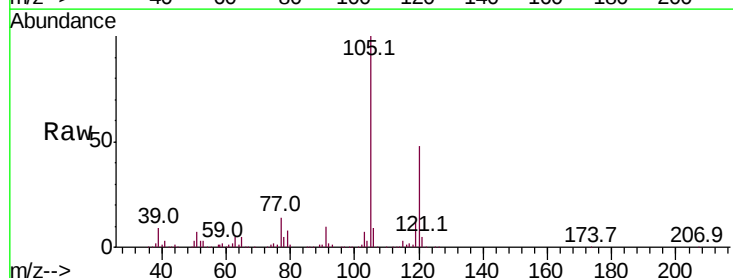
Acq: 23 Aug 2018 13:50

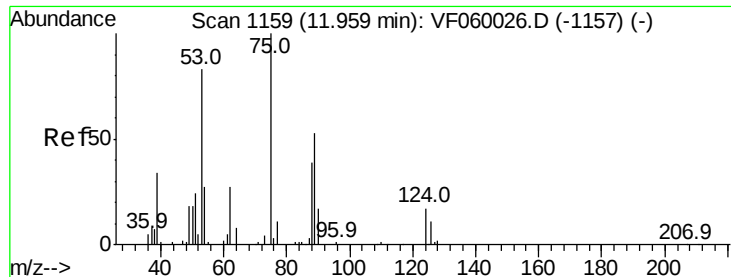
Tgt Ion:105 Resp: 240838

Ion Ratio Lower Upper

105 100

120 47.8 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 26.408 ug/l

RT: 11.96 min Scan# 1160

Delta R.T. 0.01 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

Instrument :

MSVOA_F

ClientSampleId :

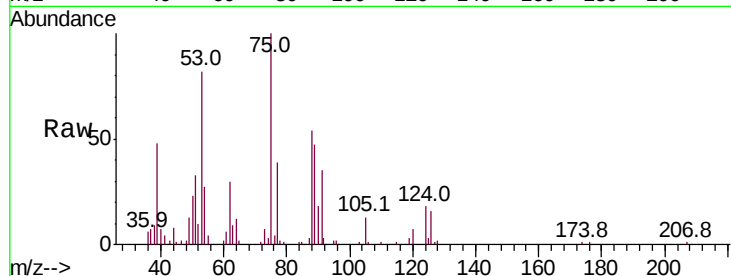
Tot Ion: 75 Resp: 25540

Ion Ratio Lower Upper

75 100

53 81.7 66.2 99.4

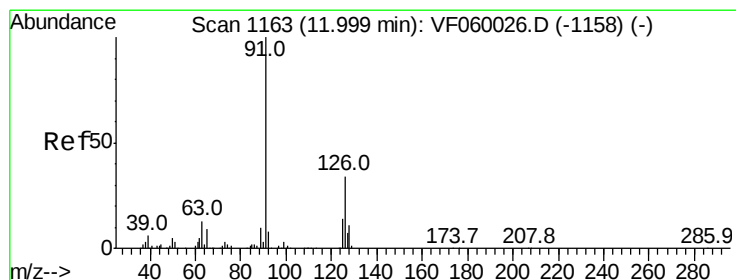
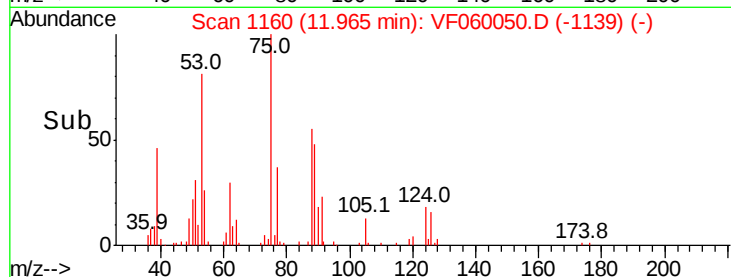
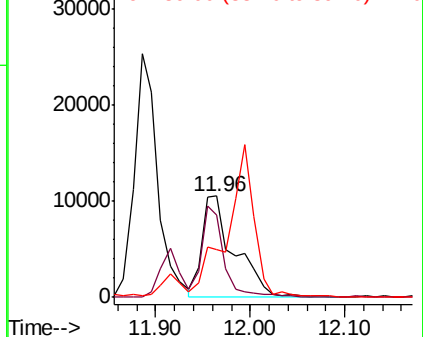
89 47.4 42.8 64.2



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: 21.791 ug/l

RT: 11.99 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VF060050.D

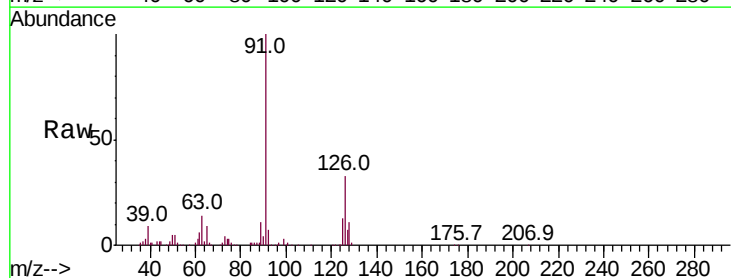
Acq: 23 Aug 2018 13:50

Tgt Ion: 91 Resp: 214293

Ion Ratio Lower Upper

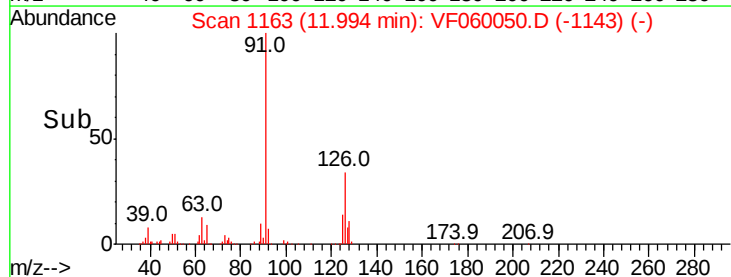
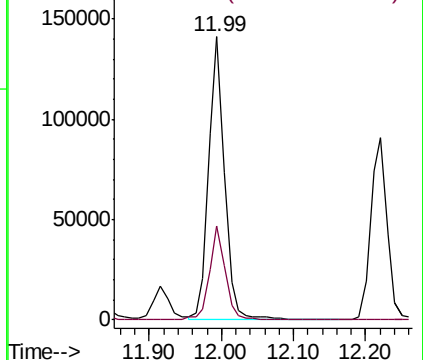
91 100

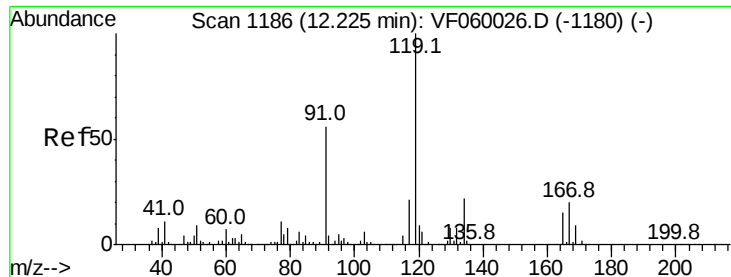
126 33.1 17.0 50.9



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

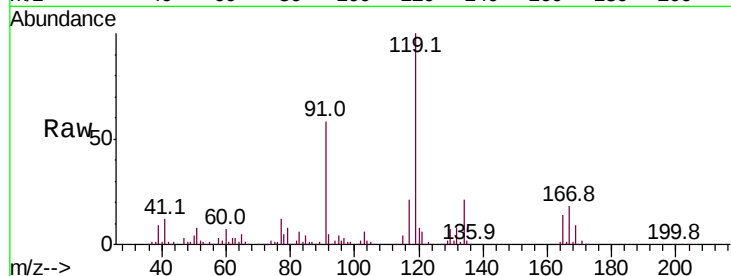




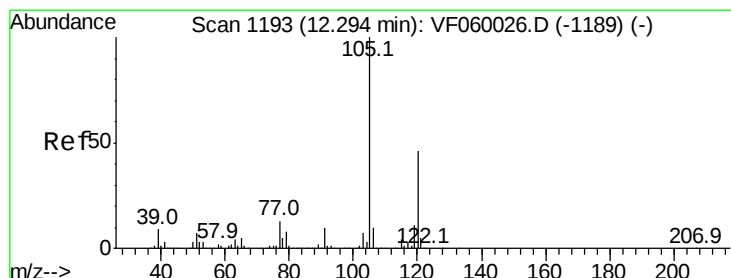
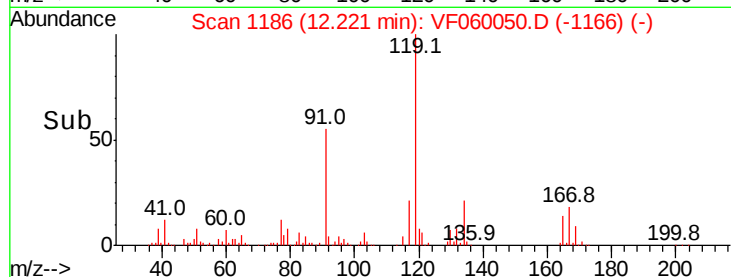
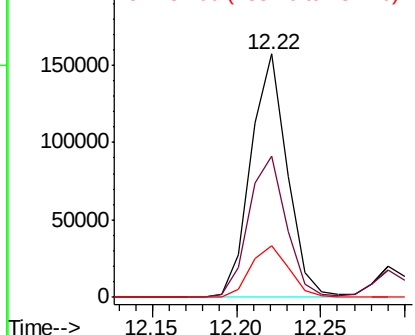
#83
tert-Butylbenzene
Concen: 22.228 ug/l
RT: 12.22 min Scan# 1186
Delta R.T. -0.00 min
Lab File: VF060050.D
Acq: 23 Aug 2018 13:50

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
119	100		
91	57.9	28.1	84.3
134	21.4	11.1	33.3

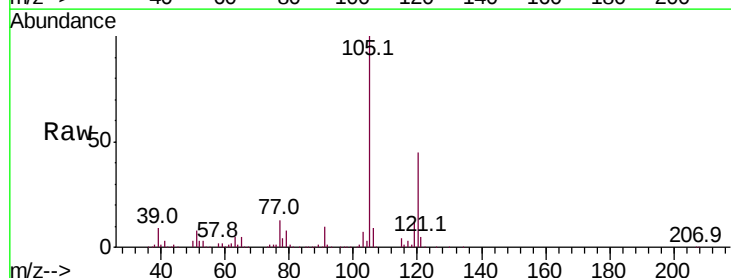


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

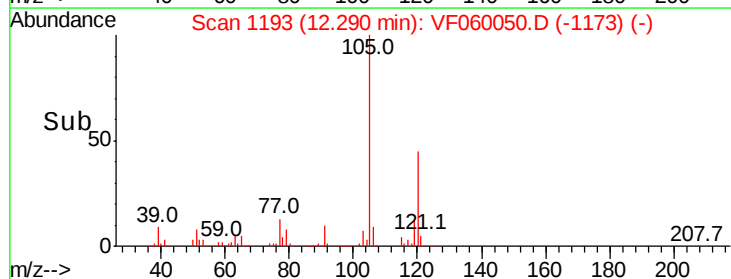
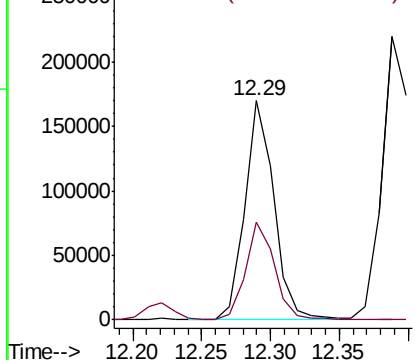


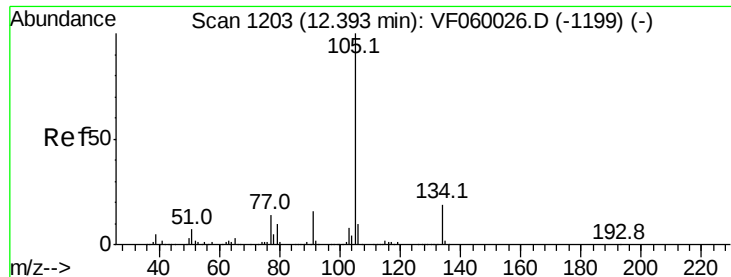
#84
1,2,4-Trimethylbenzene
Concen: 21.665 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.00 min
Lab File: VF060050.D
Acq: 23 Aug 2018 13:50

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	23.3	69.8



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

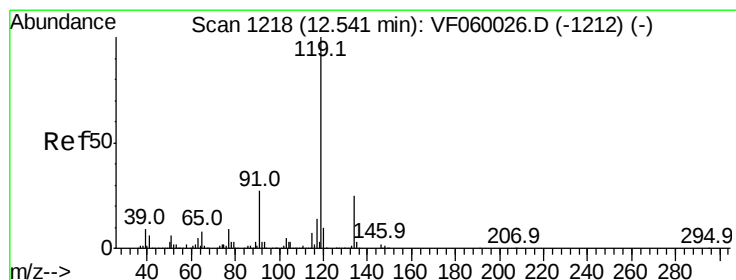
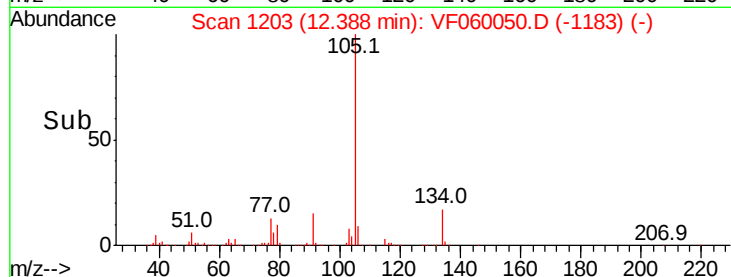
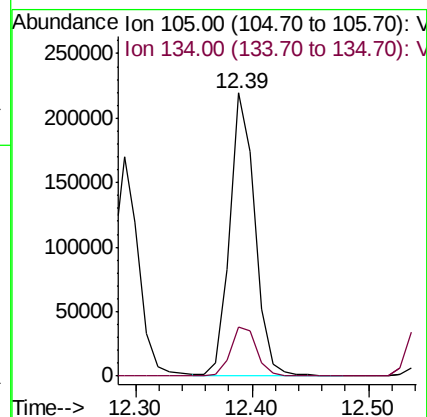
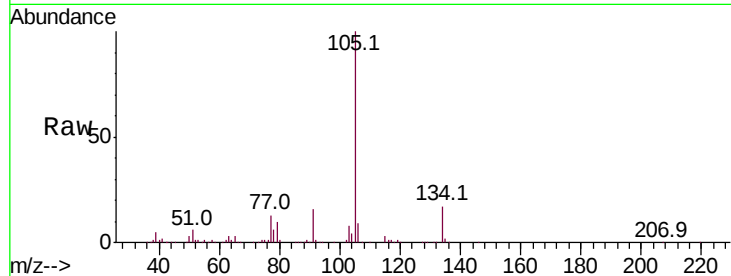




#85
 sec-Butylbenzene
 Concen: 22.123 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VF060050.D
 Acq: 23 Aug 2018 13:50

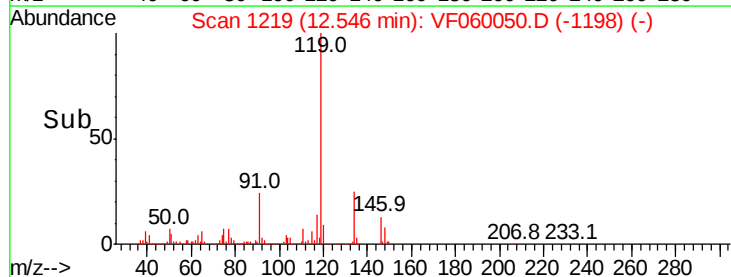
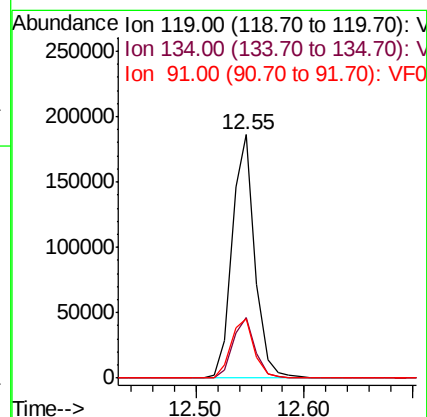
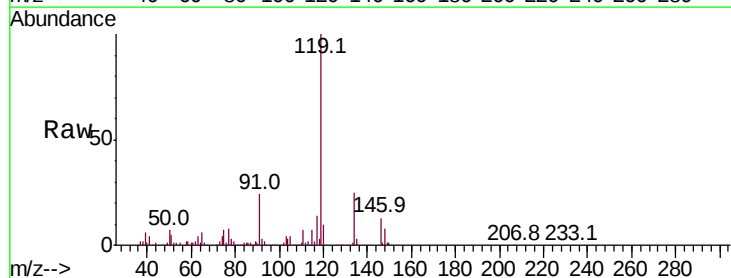
Instrument :
 MSVOA_F
 ClientSampleId :

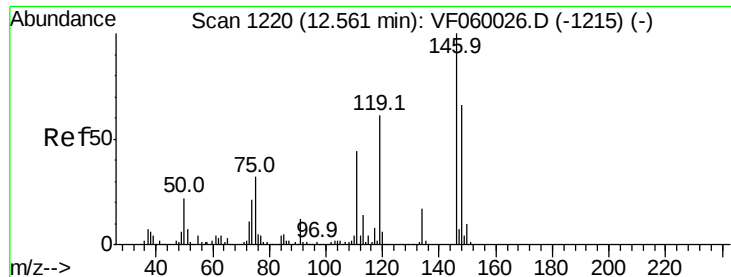
Tot Ion:105 Resp: 326612
 Ion Ratio Lower Upper
 105 100
 134 17.2 9.3 27.9



#86
 p-Isopropyltoluene
 Concen: 22.094 ug/l
 RT: 12.55 min Scan# 1219
 Delta R.T. 0.01 min
 Lab File: VF060050.D
 Acq: 23 Aug 2018 13:50

Tgt Ion:119 Resp: 270618
 Ion Ratio Lower Upper
 119 100
 134 25.0 12.4 37.2
 91 24.1 13.5 40.4





#87

1,3-Dichlorobenzene

Concen: 21.723 ug/l

RT: 12.57 min Scan# 1221

Delta R.T. 0.01 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

Instrument :

MSVOA_F

ClientSampled :

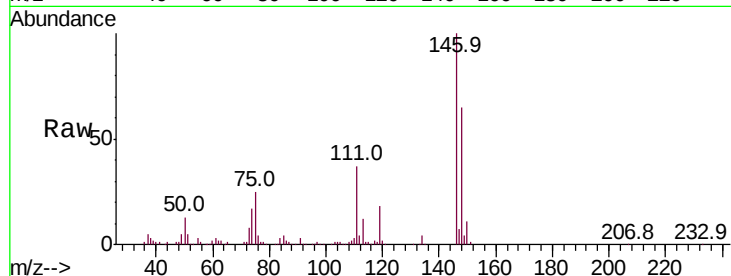
Tot Ion:146 Resp: 136328

Ion Ratio Lower Upper

146 100

111 37.3 21.9 65.5

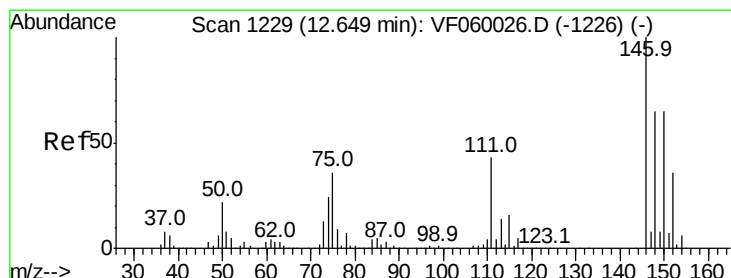
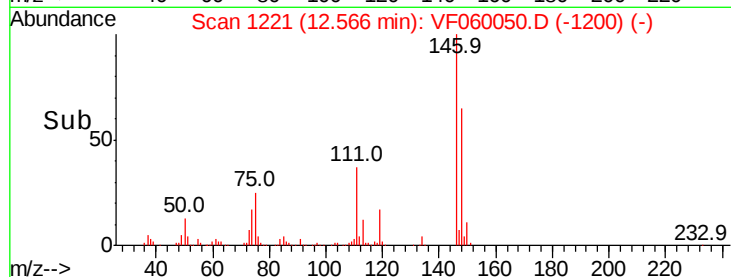
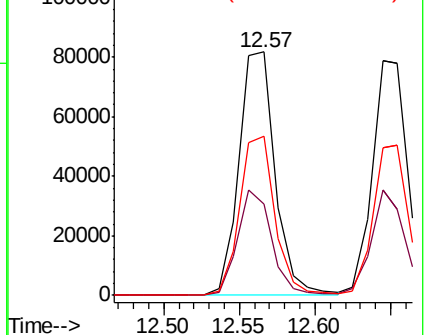
148 65.3 32.9 98.7



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: 21.110 ug/l

RT: 12.64 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

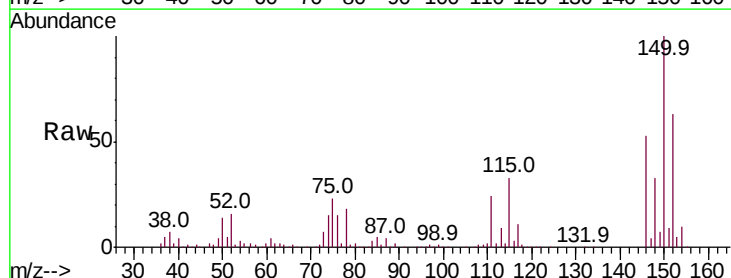
Tgt Ion:146 Resp: 131660

Ion Ratio Lower Upper

146 100

111 44.9 21.6 64.8

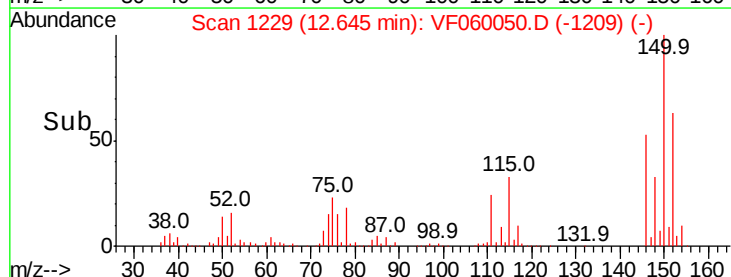
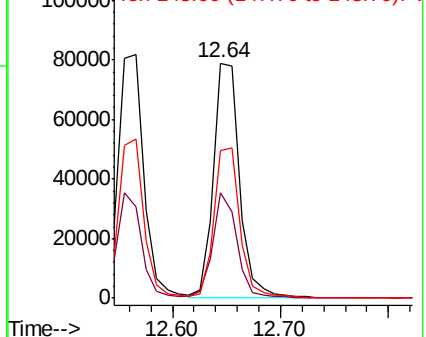
148 63.1 32.3 96.8

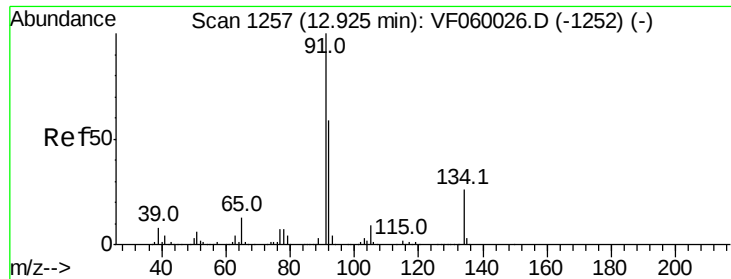


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: 23.762 ug/l

RT: 12.92 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

Instrument :

MSVOA_F

ClientSampleId :

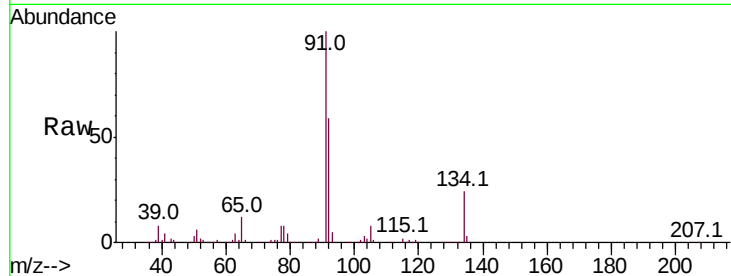
Tot Ion: 91 Resp: 282767

Ion	Ratio	Lower	Upper
91	100		
92	58.9	29.3	87.9
134	23.7	12.8	38.3

91 100

92 58.9 29.3 87.9

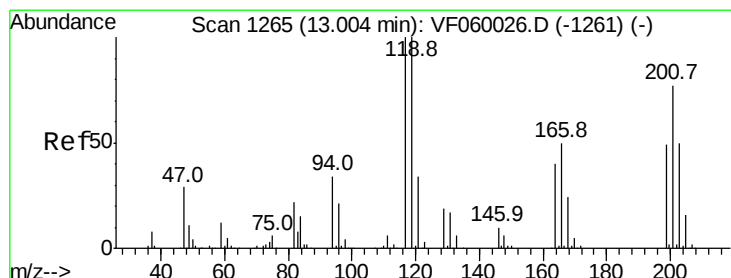
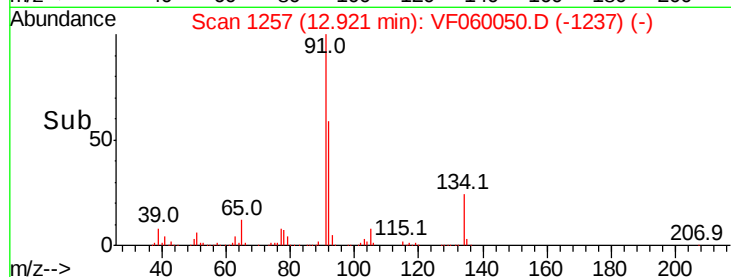
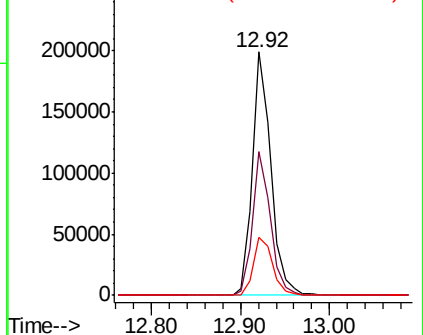
134 23.7 12.8 38.3



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 21.693 ug/l

RT: 13.00 min Scan# 1265

Delta R.T. -0.00 min

Lab File: VF060050.D

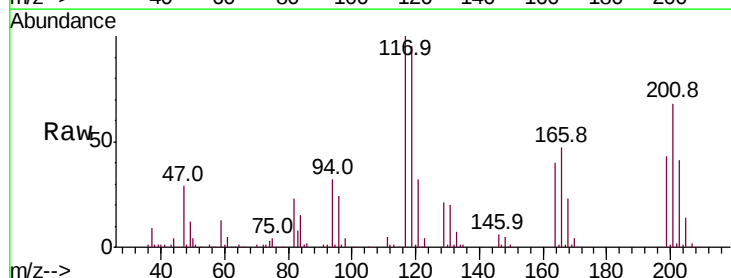
Acq: 23 Aug 2018 13:50

Tgt Ion: 117 Resp: 59707

Ion	Ratio	Lower	Upper
117	100		
201	68.1	38.6	115.8

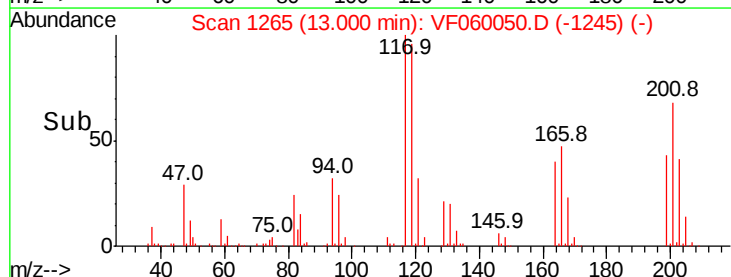
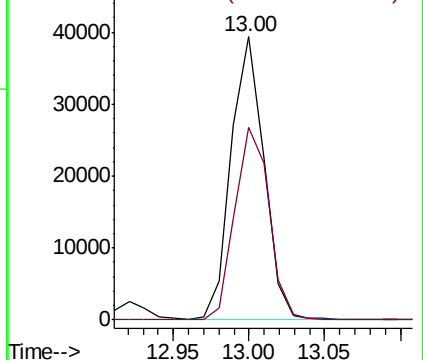
117 100

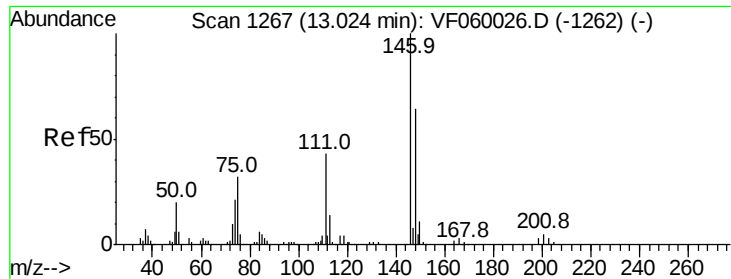
201 68.1 38.6 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 201.00 (200.70 to 201.70): V

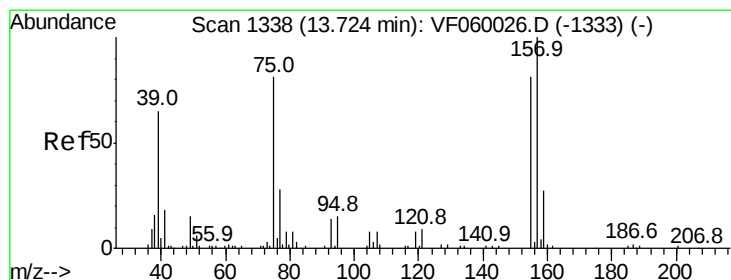
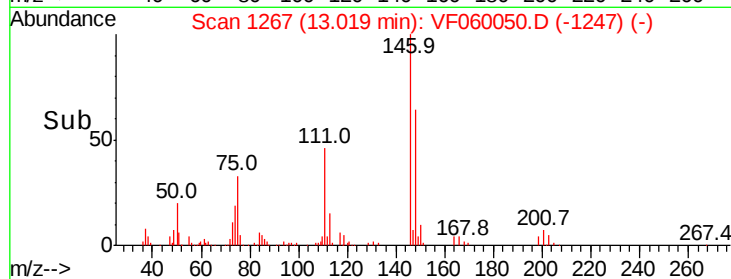
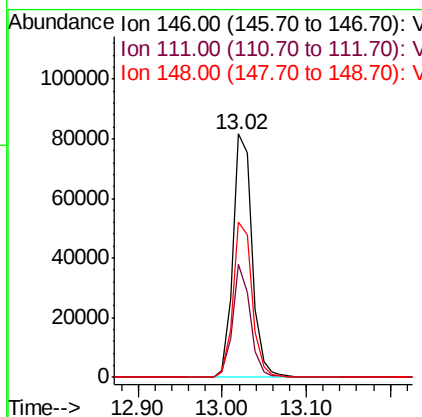
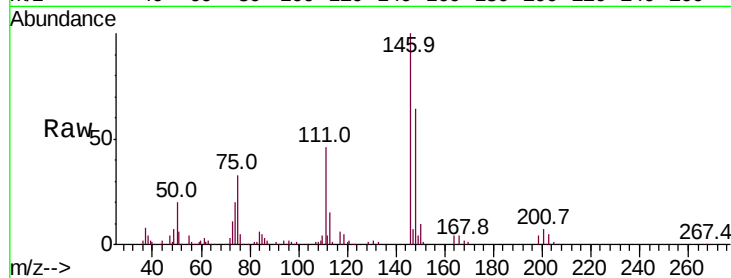




#91
 1,2-Dichlorobenzene
 Concen: 21.455 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VF060050.D
 Acq: 23 Aug 2018 13:50

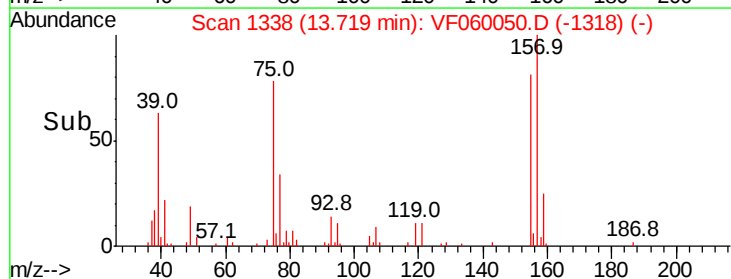
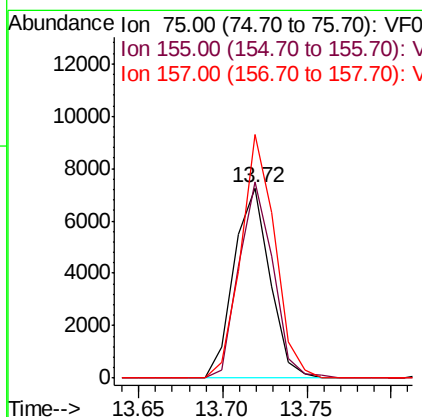
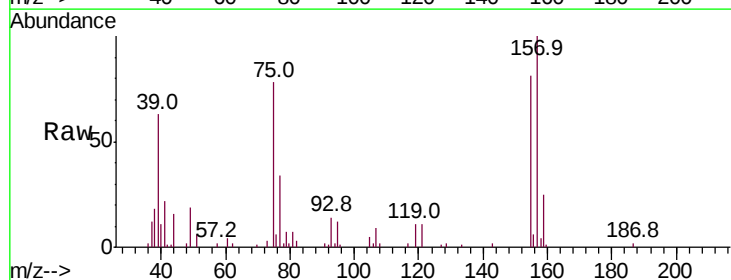
Instrument :
 MSVOA_F
 ClientSampleId :

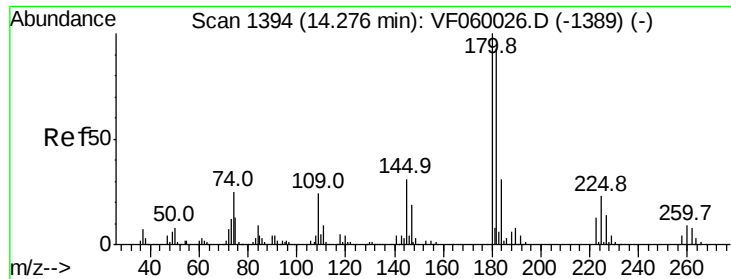
Tot Ion	Ratio	Lower	Upper
146	100		
111	46.3	21.6	64.6
148	63.9	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.363 ug/l
 RT: 13.72 min Scan# 1338
 Delta R.T. -0.00 min
 Lab File: VF060050.D
 Acq: 23 Aug 2018 13:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	103.1	49.8	149.3
157	128.1	61.6	184.7

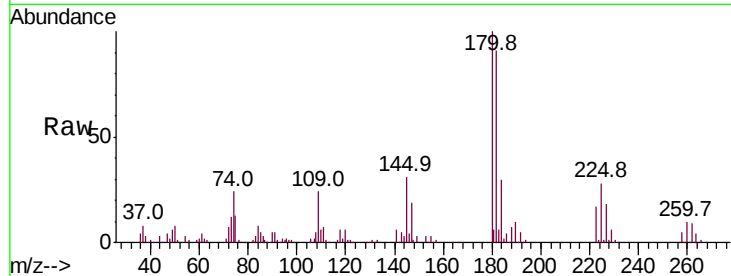




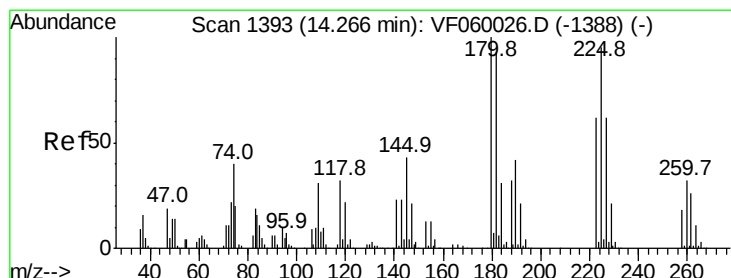
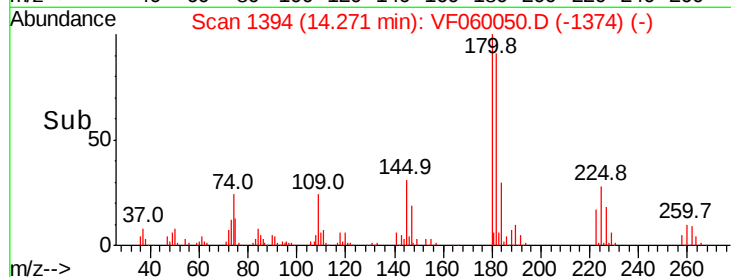
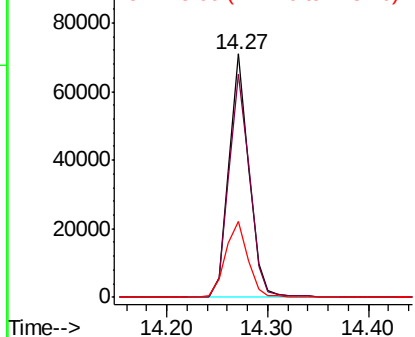
#93
 1,2,4-Trichlorobenzene
 Concen: 22.060 ug/l
 RT: 14.27 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF060050.D
 Acq: 23 Aug 2018 13:50

Instrument :
 MSVOA_F
 ClientSampleId :

Tot Ion:180 Resp: 98042
 Ion Ratio Lower Upper
 180 100
 182 91.4 46.8 140.3
 145 31.0 15.4 46.4

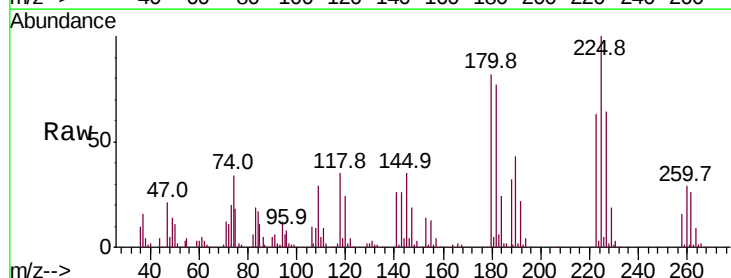


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

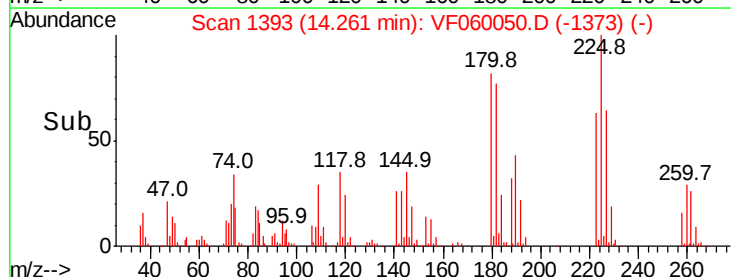
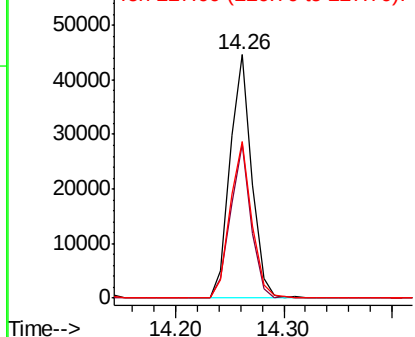


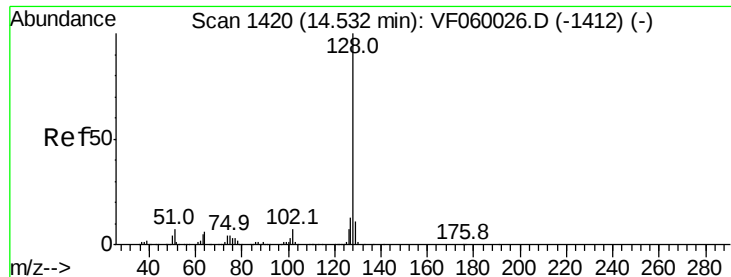
#94
 Hexachlorobutadiene
 Concen: 22.418 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VF060050.D
 Acq: 23 Aug 2018 13:50

Tgt Ion:225 Resp: 62014
 Ion Ratio Lower Upper
 225 100
 223 63.1 32.6 97.8
 227 64.4 33.0 98.9



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: 19.517 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

Instrument :

MSVOA_F

ClientSampled :

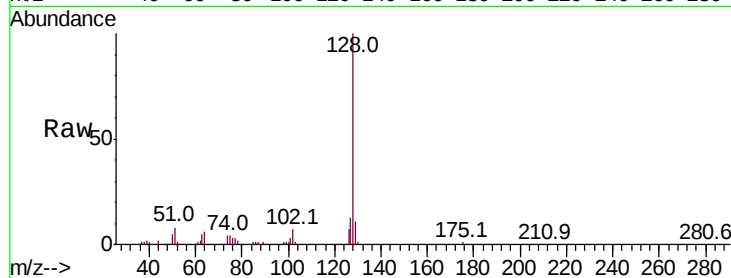
Tot Ion:128 Resp: 139240

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

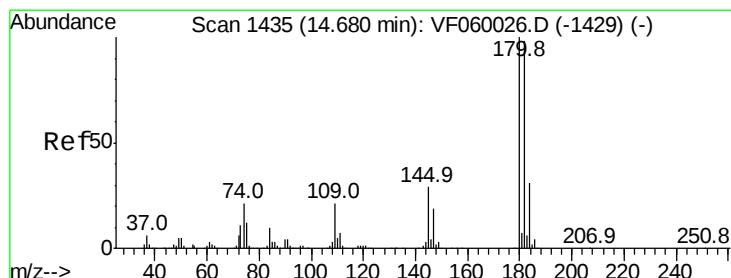
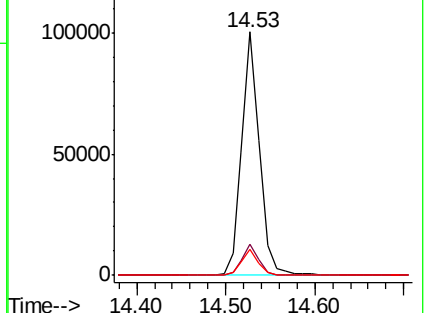
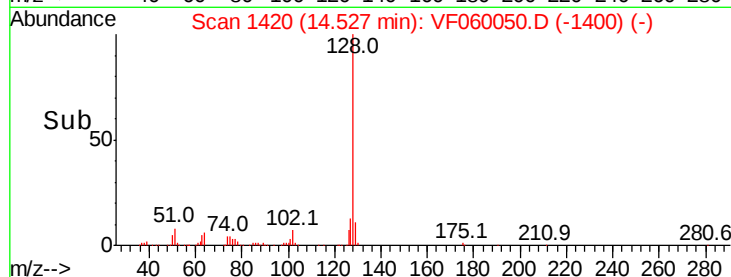
129 10.8 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 22.098 ug/l

RT: 14.68 min Scan# 1435

Delta R.T. -0.00 min

Lab File: VF060050.D

Acq: 23 Aug 2018 13:50

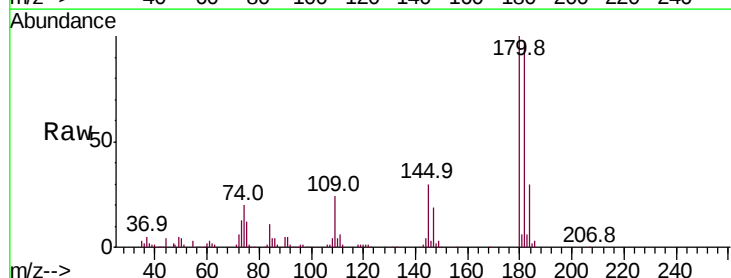
Tgt Ion:180 Resp: 93703

Ion Ratio Lower Upper

180 100

182 97.3 49.0 147.2

145 29.6 14.4 43.2



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

