

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF082318\
 Data File : VF060049.D
 Acq On : 23 Aug 2018 13:22
 Operator : VA/AP
 Sample : VF0823SBS01
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :

Quant Time: Aug 23 15:21:26 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	5.05	168	207336	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	325891	50.00	ug/l	-0.01
63) Chlorobenzene-d5	9.92	117	343145	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	12.64	152	208267	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	143076	50.42	ug/l	-0.01
Spiked Amount			Recovery	=	100.84%	
35) Dibromofluoromethane	4.30	113	133785	52.28	ug/l	0.00
Spiked Amount			Recovery	=	104.56%	
50) Toluene-d8	7.71	98	352170	48.46	ug/l	-0.01
Spiked Amount			Recovery	=	96.92%	
62) 4-Bromofluorobenzene	11.52	95	193128	50.23	ug/l	0.00
Spiked Amount			Recovery	=	100.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	58035	21.261	ug/l	94
3) Chloromethane	1.08	50	45369	23.657	ug/l	99
4) Vinyl Chloride	1.13	62	37952	22.393	ug/l	99
5) Bromomethane	1.31	94	25883	20.098	ug/l	98
6) Chloroethane	1.39	64	13841	20.718	ug/l #	82
7) Trichlorofluoromethane	1.48	101	72380	21.238	ug/l	100
8) Diethyl Ether	1.71	74	12571	20.632	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	1.86	101	38885	21.736	ug/l	96
10) Methyl Iodide	1.92	142	50338	21.283	ug/l	98
11) Tert butyl alcohol	2.68	59	15905	105.358	ug/l #	90
12) 1,1-Dichloroethene	1.83	96	27175	20.618	ug/l	88
13) Acrolein	2.09	56	5544	80.106	ug/l	97
14) Allyl chloride	2.19	41	50713	21.665	ug/l	95
15) Acrylonitrile	3.08	53	30655	102.901	ug/l	96
16) Acetone	2.34	43	100347	134.551	ug/l	94
17) Carbon Disulfide	1.84	76	90682	21.975	ug/l	98
18) Methyl Acetate	2.46	43	32160	23.027	ug/l	98
19) Methyl tert-butyl Ether	2.54	73	91192	21.595	ug/l	96
20) Methylene Chloride	2.28	84	36145	21.709	ug/l	96
21) trans-1,2-Dichloroethene	2.42	96	30393	20.609	ug/l	92
22) Diisopropyl ether	2.92	45	105294	20.088	ug/l	99
23) Vinyl Acetate	3.33	43	343438	123.682	ug/l	98
24) 1,1-Dichloroethane	3.00	63	66998	20.691	ug/l	98
25) 2-Butanone	4.51	43	121314	125.230	ug/l	97
26) 2,2-Dichloropropane	3.76	77	75770	22.617	ug/l	92
27) cis-1,2-Dichloroethene	3.64	96	46120	22.069	ug/l	91
28) Bromochloromethane	3.90	49	32641	23.877	ug/l	86
29) Tetrahydrofuran	4.25	42	41420	113.247	ug/l	97
30) Chloroform	4.03	83	98411	21.652	ug/l	98
31) Cyclohexane	3.86	56	57950	23.487	ug/l	97
32) 1,1,1-Trichloroethane	4.28	97	87099	22.378	ug/l	96
36) 1,1-Dichloropropene	4.47	75	64837	21.171	ug/l	98
37) Ethyl Acetate	4.29	43	40902	22.332	ug/l #	78
38) Carbon Tetrachloride	4.17	117	75670	21.338	ug/l	96

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Quant Time: Aug 23 15:21:26 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)
39) Methylcyclohexane	5.63	83	63995	22.286	ug/l	92
40) Benzene	4.81	78	145275	21.715	ug/l	96
41) Methacrylonitrile	4.92	41	19746	21.314	ug/l #	85
42) 1,2-Dichloroethane	5.12	62	73163	20.395	ug/l	99
43) Isopropyl Acetate	7.12	43	49760	21.586	ug/l #	99
44) Trichloroethene	5.68	130	47853	21.637	ug/l	94
45) 1,2-Dichloropropane	6.41	63	42906	22.673	ug/l	100
46) Dibromomethane	6.25	93	32676	22.067	ug/l	91
47) Bromodichloromethane	6.55	83	77953	21.795	ug/l	95
48) Methyl methacrylate	6.87	41	31975	20.961	ug/l	93
49) 1,4-Dioxane	6.87	88	6738	460.128	ug/l	90
51) 4-Methyl-2-Pentanone	8.41	43	234080	117.587	ug/l	99
52) Toluene	7.78	92	105072	21.630	ug/l	99
53) t-1,3-Dichloropropene	8.43	75	70011	21.586	ug/l	95
54) cis-1,3-Dichloropropene	7.46	75	78939	21.807	ug/l	95
55) 1,1,2-Trichloroethane	8.64	97	39892	22.099	ug/l	92
56) Ethyl methacrylate	8.77	69	47618	21.793	ug/l	94
57) 1,3-Dichloropropane	9.00	76	71335	22.483	ug/l	95
58) 2-Chloroethyl Vinyl ether	7.78	63	16996	97.996	ug/l	100
59) 2-Hexanone	9.63	43	201775	125.233	ug/l	98
60) Dibromochloromethane	8.86	129	56524	21.212	ug/l	95
61) 1,2-Dibromoethane	9.14	107	45286	21.362	ug/l	98
64) Tetrachloroethene	8.31	164	48534	20.996	ug/l	98
65) Chlorobenzene	9.95	112	136779	21.109	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.08	131	52511	21.367	ug/l	95
67) Ethyl Benzene	10.05	91	248933	22.265	ug/l	95
68) m/p-Xylenes	10.27	106	185830	45.671	ug/l	96
69) o-Xylene	10.84	106	98292	22.440	ug/l	100
70) Styrene	10.90	104	153527	22.845	ug/l	98
71) Bromoform	10.89	173	35786	20.871	ug/l	96
73) Isopropylbenzene	11.23	105	280160	22.348	ug/l	98
74) N-amyl acetate	11.47	43	88918	22.819	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.79	83	61644	22.515	ug/l	97
76) 1,2,3-Trichloropropane	11.89	75	46364	21.837	ug/l	99
77) Bromobenzene	11.59	156	73426	21.537	ug/l	83
78) n-propylbenzene	11.69	91	349145	22.565	ug/l	98
79) 2-Chlorotoluene	11.81	91	194864	21.417	ug/l	98
80) 1,3,5-Trimethylbenzene	11.92	105	247259	22.639	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.96	75	27250	28.051	ug/l	97
82) 4-Chlorotoluene	11.99	91	215813	21.848	ug/l	95
83) tert-Butylbenzene	12.22	119	239526	22.485	ug/l	96
84) 1,2,4-Trimethylbenzene	12.29	105	252045	21.707	ug/l	98
85) sec-Butylbenzene	12.39	105	326945	22.046	ug/l	100
86) p-Isopropyltoluene	12.54	119	274519	22.313	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	143802	22.812	ug/l	95
88) 1,4-Dichlorobenzene	12.65	146	134172	21.417	ug/l	97
89) n-Butylbenzene	12.93	91	289316	24.204	ug/l	98
90) Hexachloroethane	13.00	117	61375	22.199	ug/l	95
91) 1,2-Dichlorobenzene	13.02	146	137407	22.665	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.71	75	11809	21.107	ug/l	67

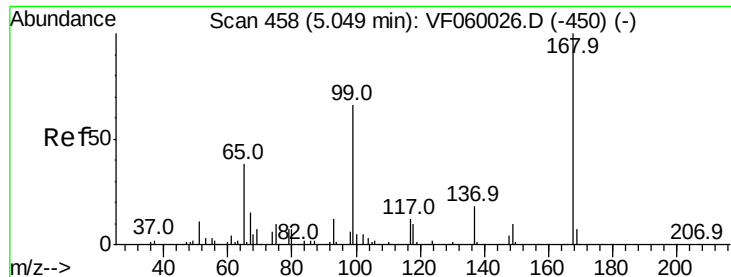
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF082318\
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Quant Title : SW846 8260
QLast Update : Wed Aug 22 04:43:43 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.28	180	102363	22.929	ug/l	95
94) Hexachlorobutadiene	14.26	225	61843	22.256	ug/l	99
95) Naphthalene	14.53	128	150704	20.853	ug/l	99
96) 1,2,3-Trichlorobenzene	14.67	180	97031	22.781	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.05 min Scan# 458

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

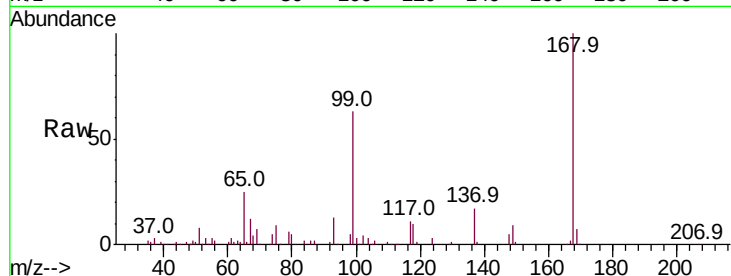
Instrument :
MSVOA_F
ClientSampled :

Tot Ion:168 Resp: 207336

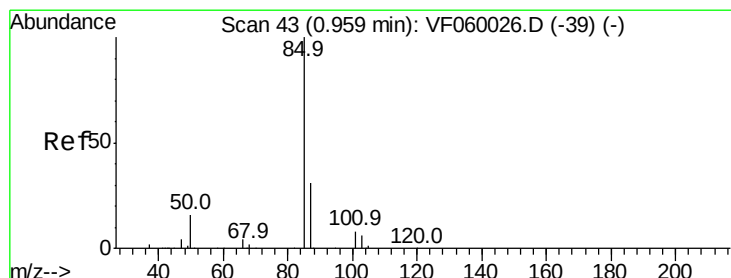
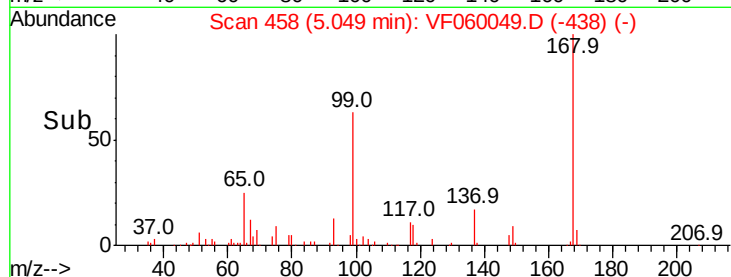
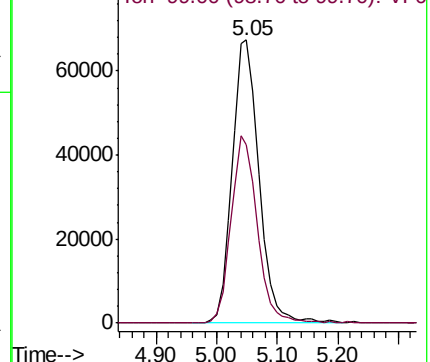
Ion Ratio Lower Upper

168 100

99 63.1 52.6 79.0



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: 21.261 ug/l

RT: 0.96 min Scan# 43

Delta R.T. -0.00 min

Lab File: VF060049.D

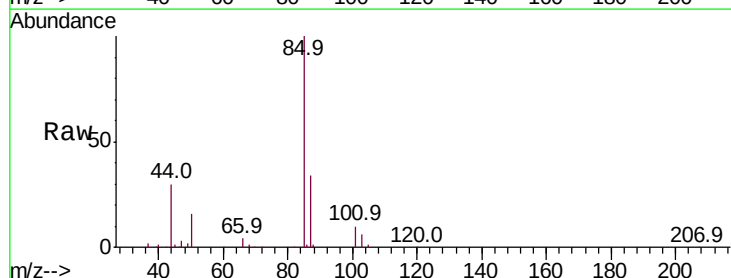
Acq: 23 Aug 2018 13:22

Tgt Ion: 85 Resp: 58035

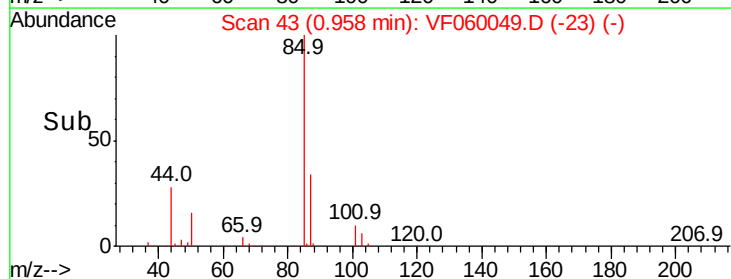
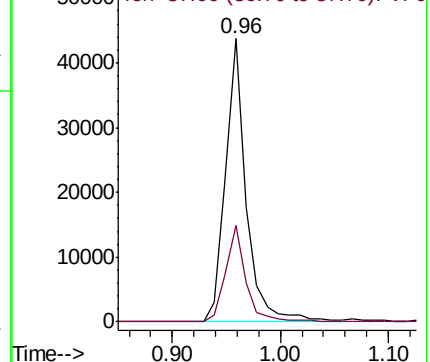
Ion Ratio Lower Upper

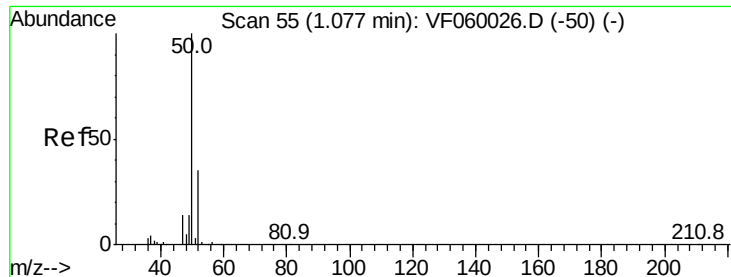
85 100

87 33.9 15.3 45.9



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: 23.657 ug/l

RT: 1.08 min Scan# 55

Delta R.T. 0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

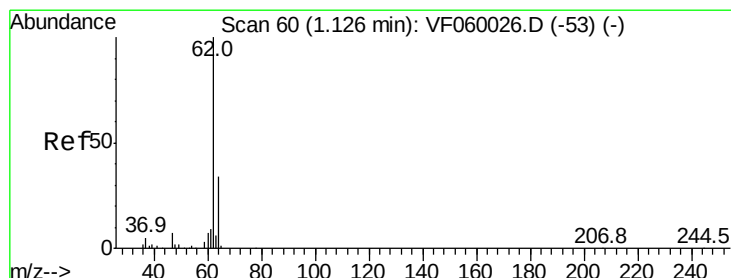
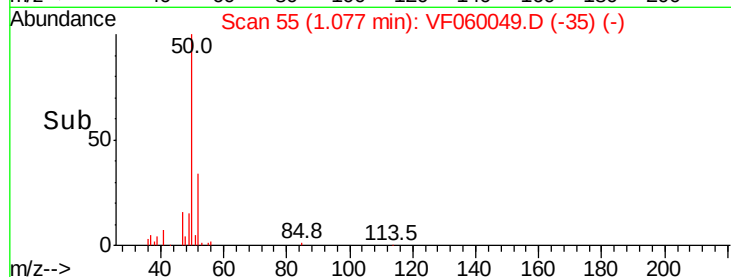
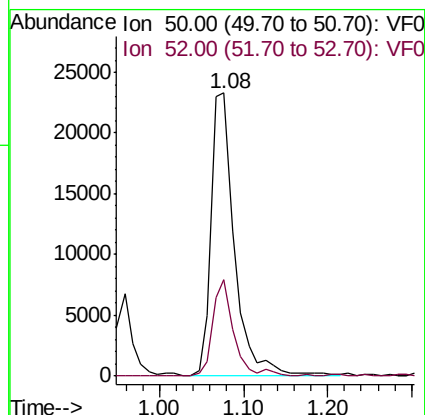
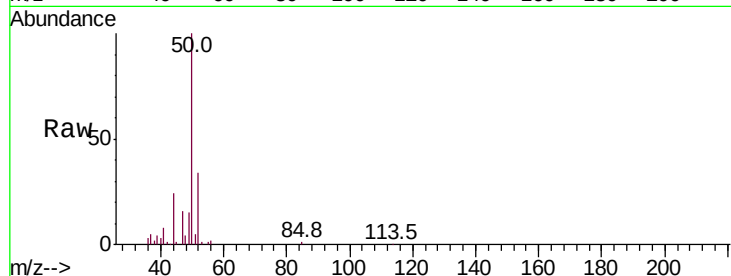
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 50 Resp: 45369

Ion Ratio Lower Upper

50 100

52 33.9 27.6 41.4



#4

Vinyl Chloride

Concen: 22.393 ug/l

RT: 1.13 min Scan# 60

Delta R.T. -0.00 min

Lab File: VF060049.D

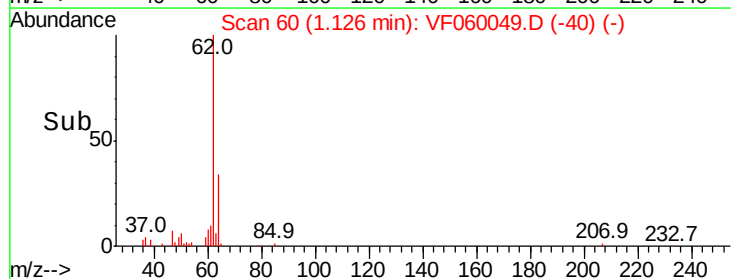
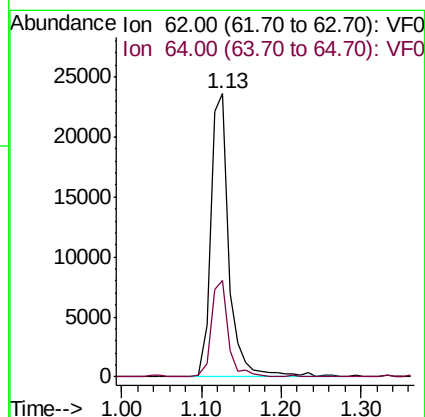
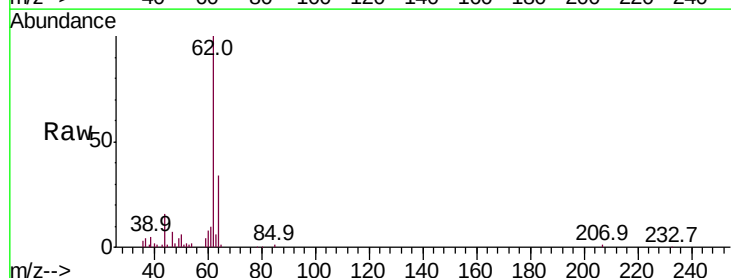
Acq: 23 Aug 2018 13:22

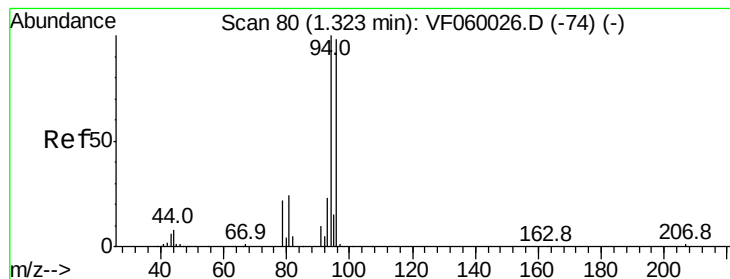
Tgt Ion: 62 Resp: 37952

Ion Ratio Lower Upper

62 100

64 33.9 27.4 41.2





#5

Bromomethane

Concen: 20.098 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

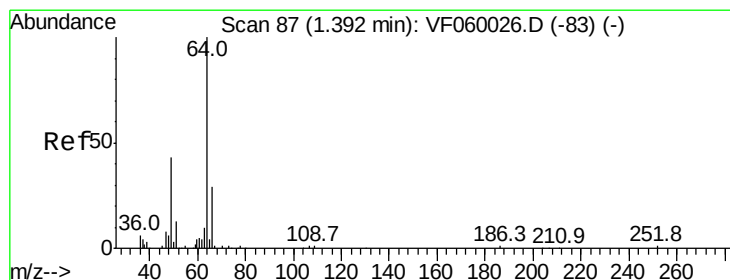
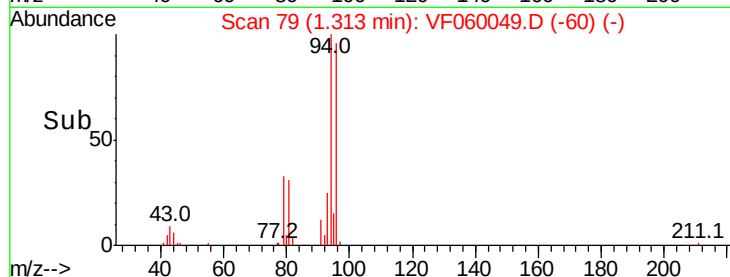
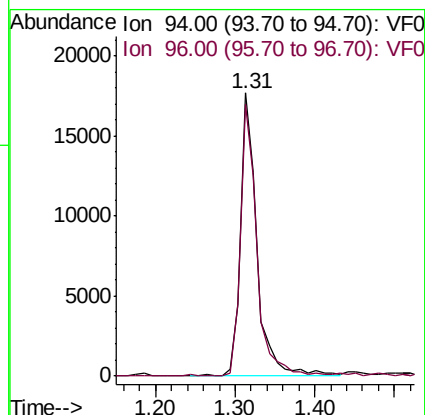
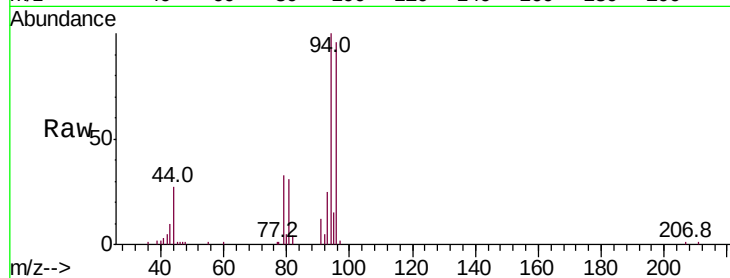
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 94 Resp: 25883

Ion Ratio Lower Upper

94 100

96 96.2 78.6 118.0



#6

Chloroethane

Concen: 20.718 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.00 min

Lab File: VF060049.D

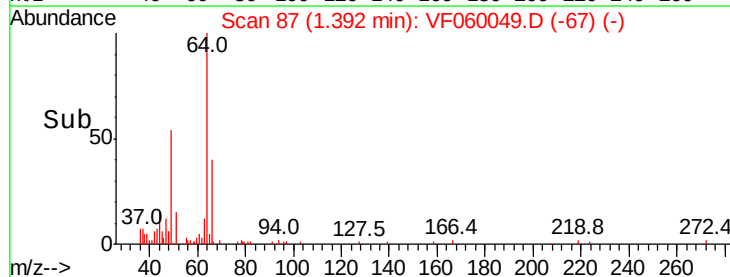
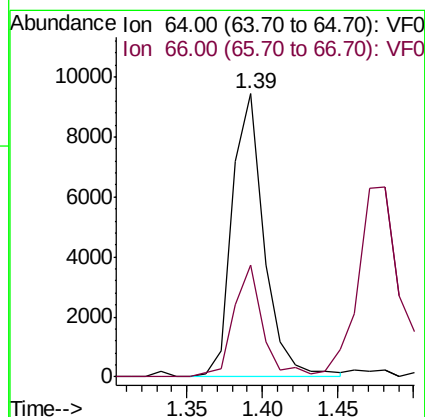
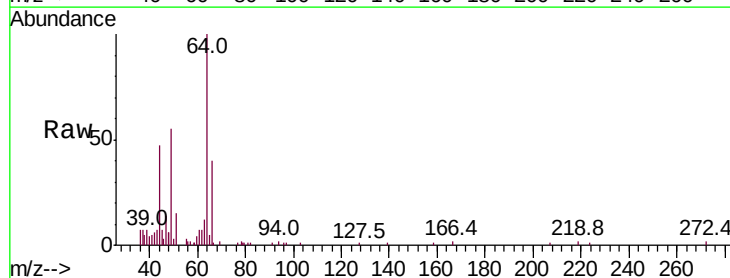
Acq: 23 Aug 2018 13:22

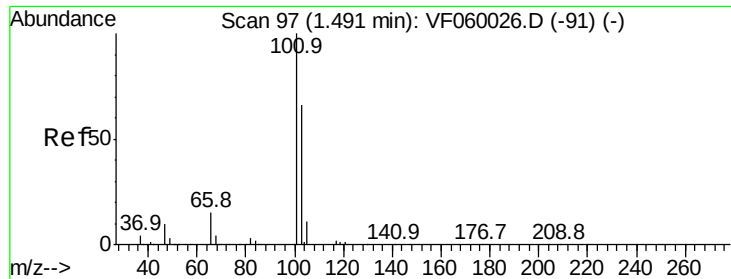
Tgt Ion: 64 Resp: 13841

Ion Ratio Lower Upper

64 100

66 39.7 24.1 36.1#





#7

Trichlorofluoromethane

Concen: 21.238 ug/l

RT: 1.48 min Scan# 96

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

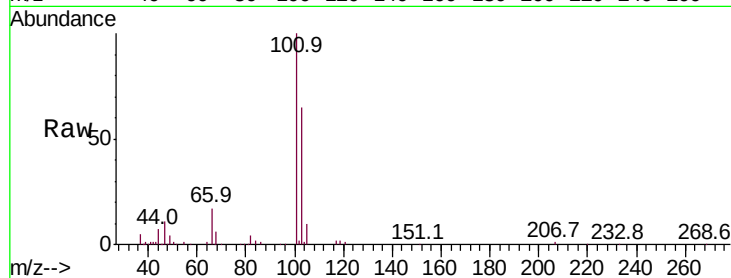
ClientSampleId :

Tot Ion:101 Resp: 72380

Ion Ratio Lower Upper

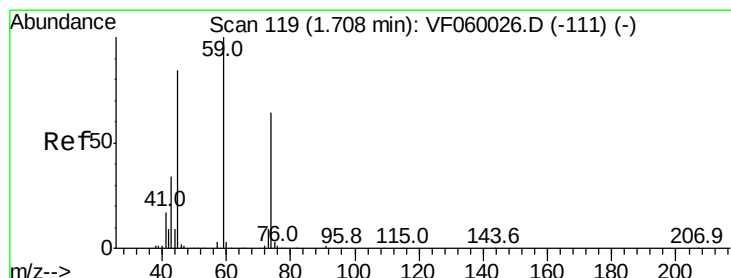
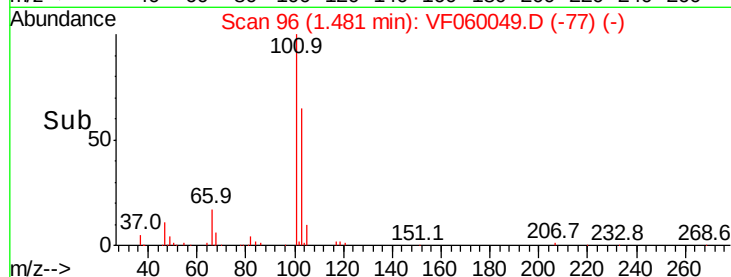
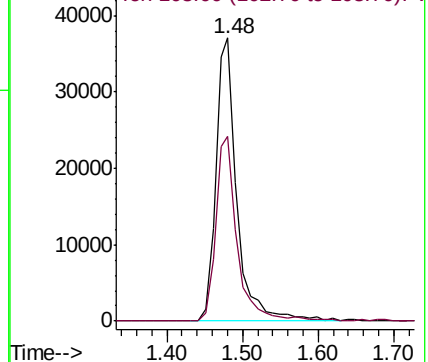
101 100

103 65.2 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: 20.632 ug/l

RT: 1.71 min Scan# 119

Delta R.T. -0.00 min

Lab File: VF060049.D

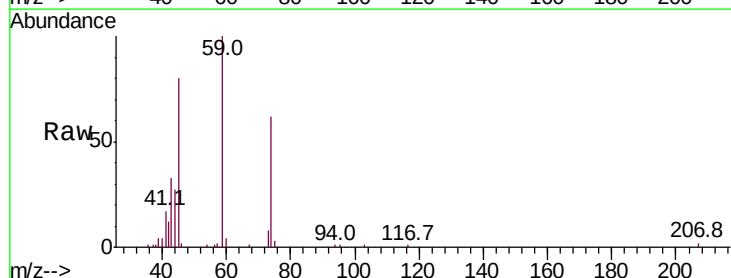
Acq: 23 Aug 2018 13:22

Tgt Ion: 74 Resp: 12571

Ion Ratio Lower Upper

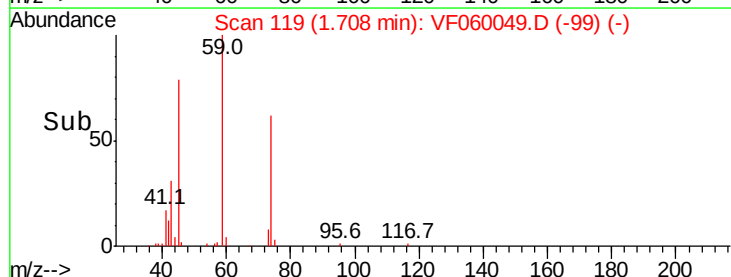
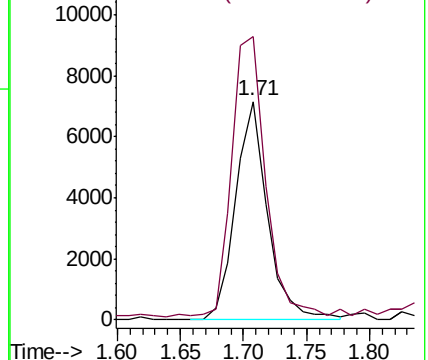
74 100

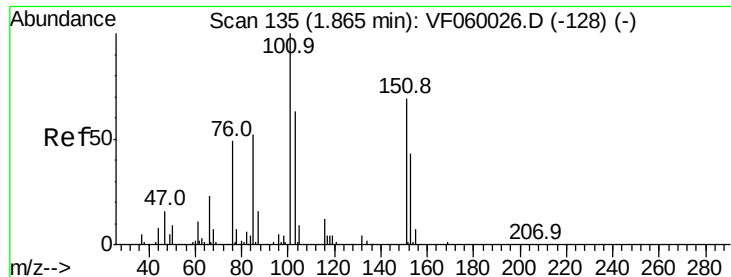
45 129.8 66.0 198.0



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: 21.736 ug/l

RT: 1.86 min Scan# 134

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

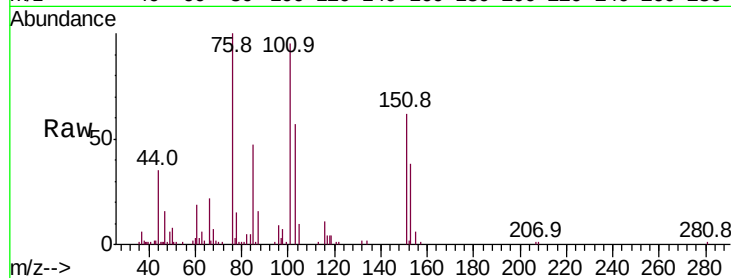
Tot Ion:101 Resp: 38885

Ion Ratio Lower Upper

101 100

85 49.5 41.5 62.3

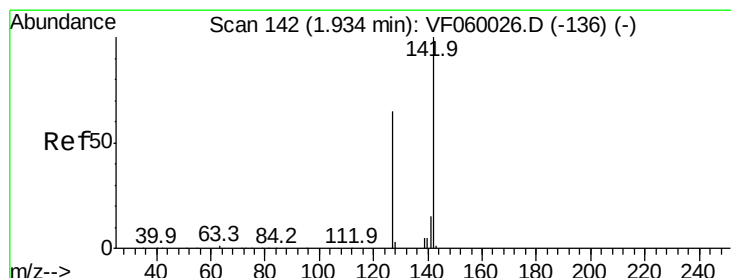
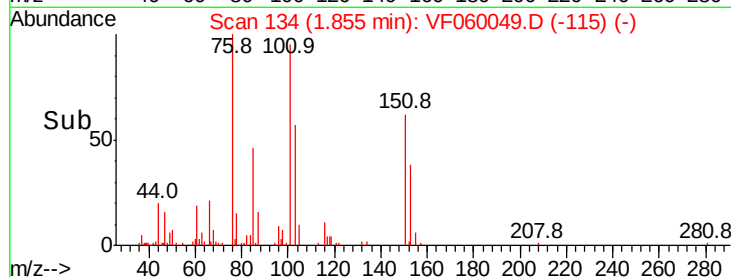
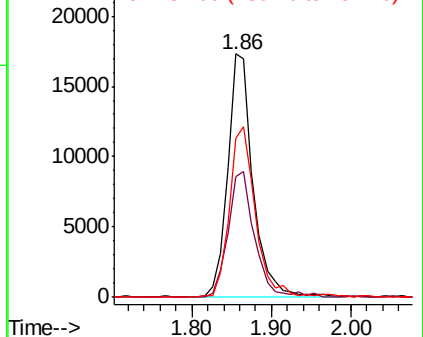
151 65.4 55.2 82.8



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: 21.283 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

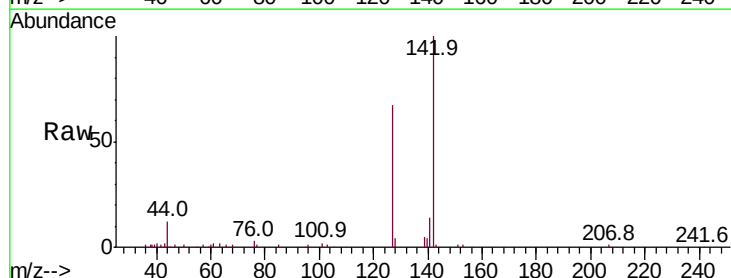
Tgt Ion:142 Resp: 50338

Ion Ratio Lower Upper

142 100

127 66.7 51.8 77.6

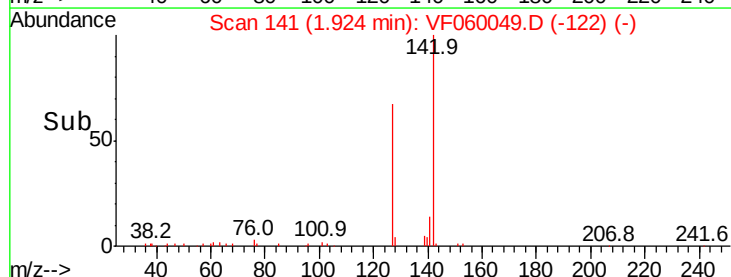
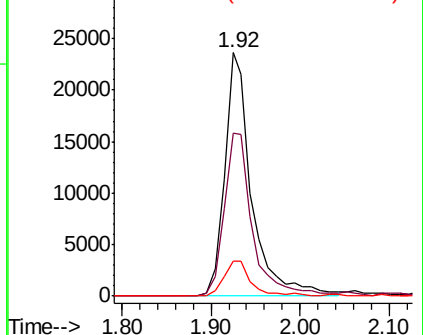
141 14.3 11.9 17.9

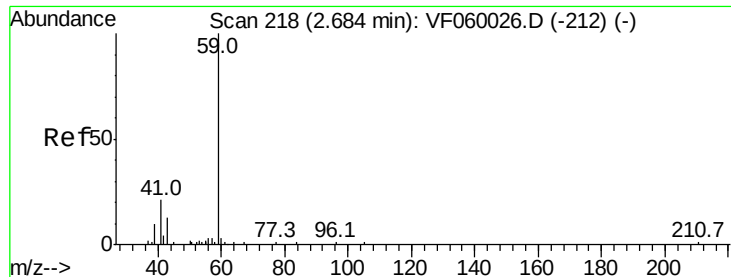


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

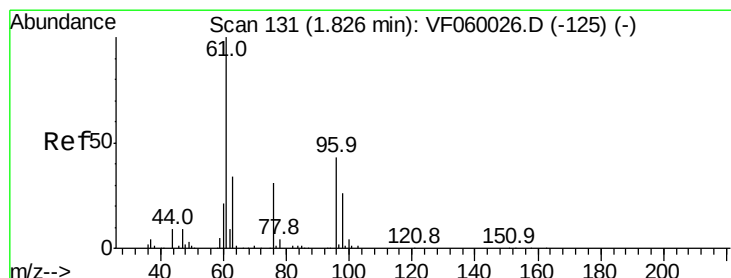
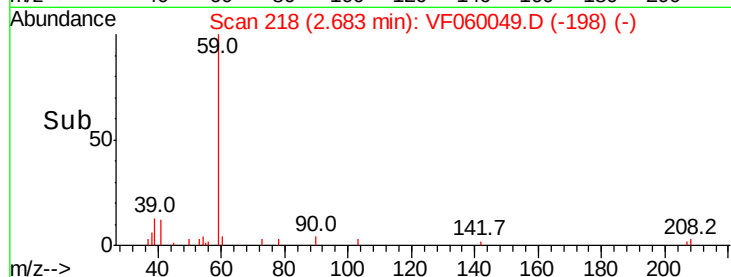
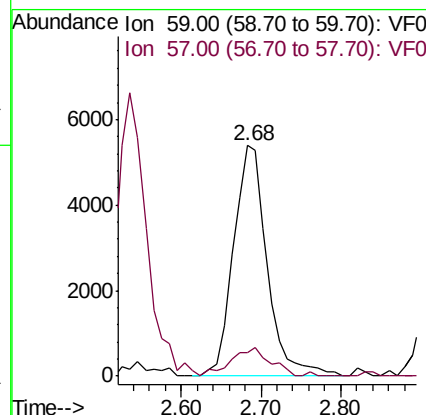
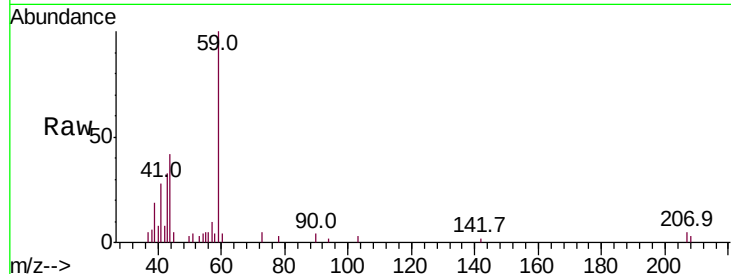




#11
Tert butyl alcohol
Concen: 105.358 ug/l
RT: 2.68 min Scan# 218
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

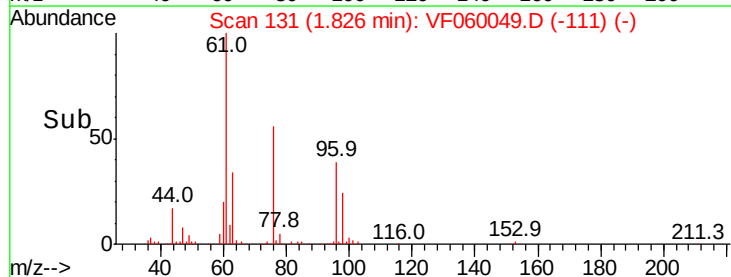
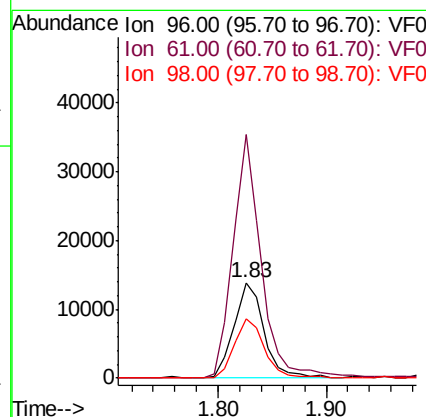
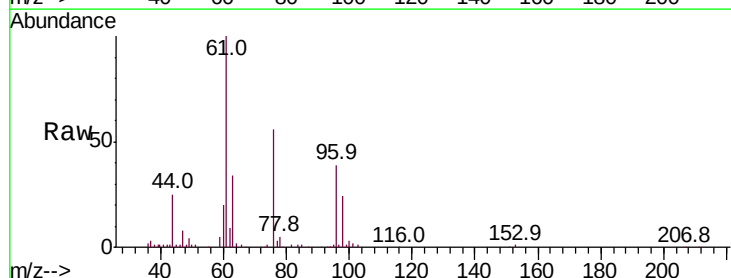
Instrument :
MSVOA_F
ClientSampleId :

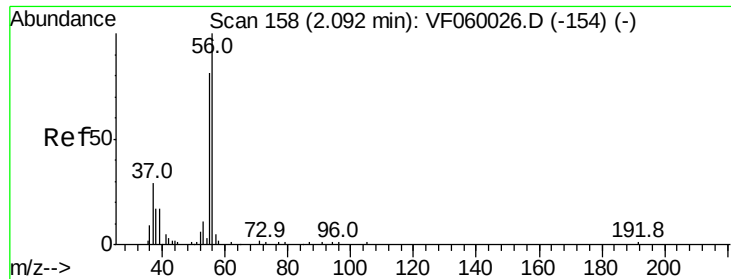
Tot Ion: 59 Resp: 15905
Ion Ratio Lower Upper
59 100
57 10.3 5.4 8.2#



#12
1,1-Dichloroethene
Concen: 20.618 ug/l
RT: 1.83 min Scan# 131
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion: 96 Resp: 27175
Ion Ratio Lower Upper
96 100
61 255.9 185.0 277.6
98 62.3 47.8 71.8





#13

Acrolein

Concen: 80.106 ug/l

RT: 2.09 min Scan# 158

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

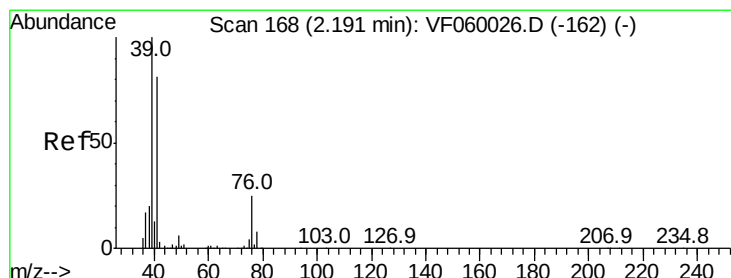
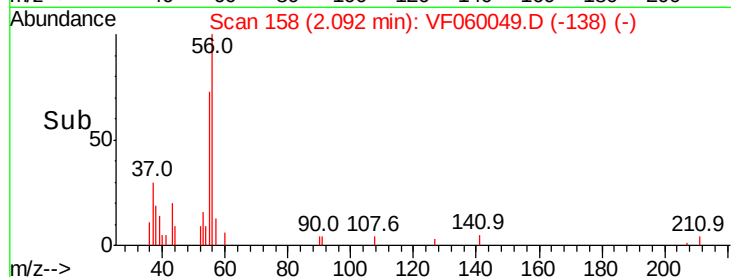
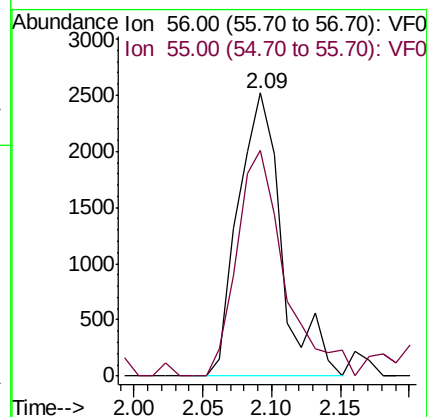
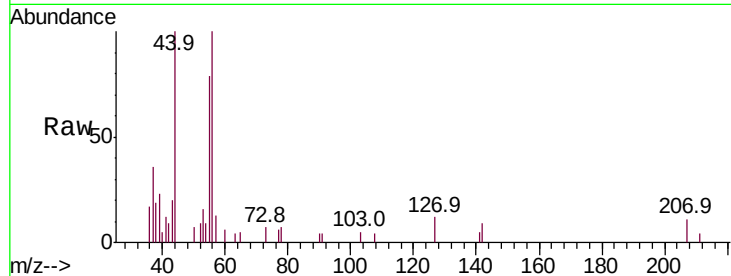
ClientSampleId :

Tot Ion: 56 Resp: 5544

Ion Ratio Lower Upper

56 100

55 79.6 65.6 98.4



#14

Allyl chloride

Concen: 21.665 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

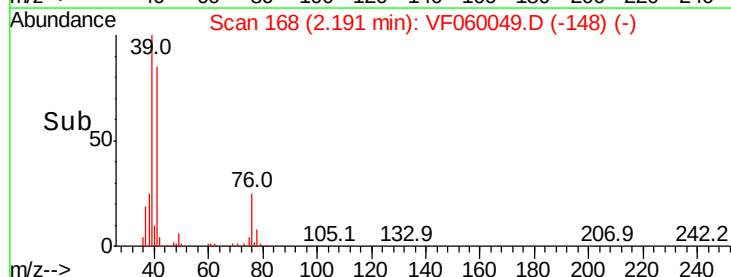
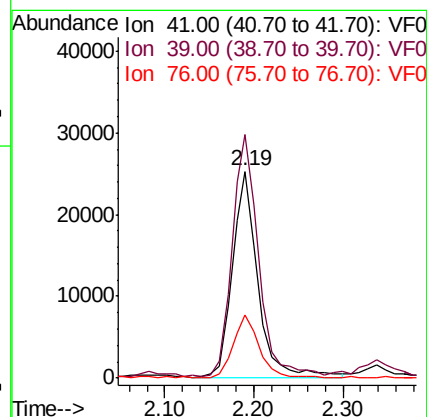
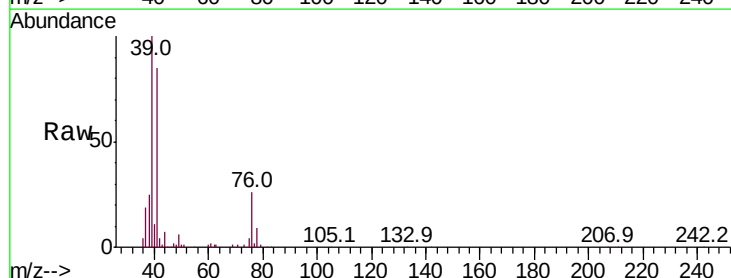
Tgt Ion: 41 Resp: 50713

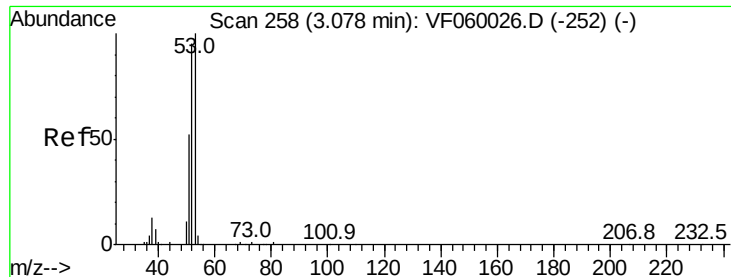
Ion Ratio Lower Upper

41 100

39 117.7 99.3 148.9

76 30.5 24.3 36.5





#15

Acrylonitrile

Concen: 102.901 ug/l

RT: 3.08 min Scan# 258

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :

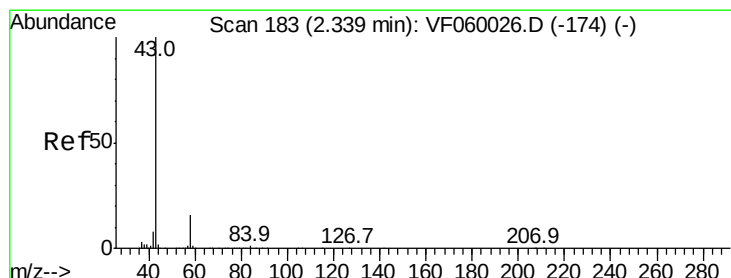
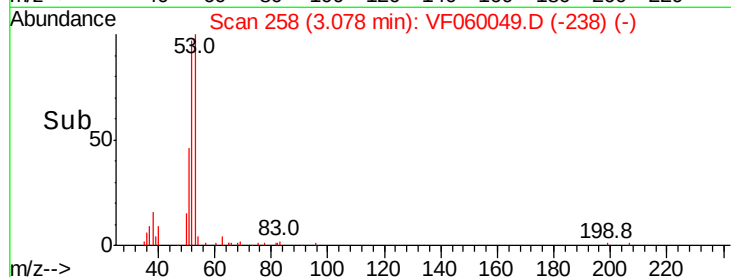
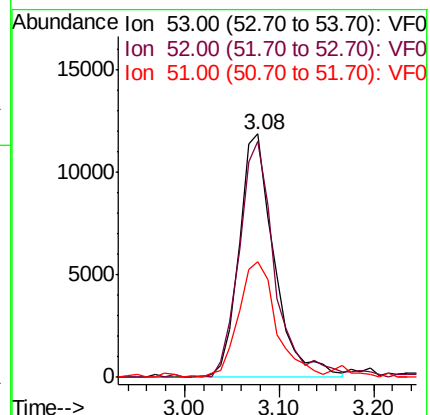
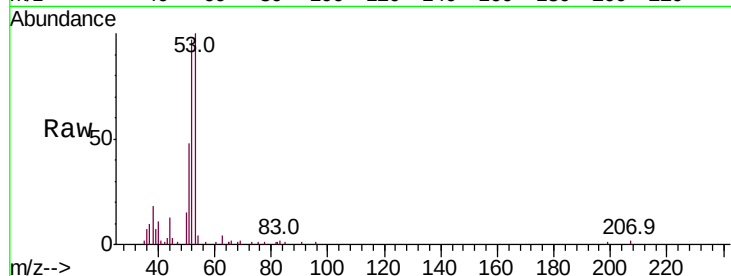
Tot Ion: 53 Resp: 30655

Ion Ratio Lower Upper

53 100

52 96.8 75.8 113.8

51 47.7 42.1 63.1



#16

Acetone

Concen: 134.551 ug/l

RT: 2.34 min Scan# 183

Delta R.T. -0.00 min

Lab File: VF060049.D

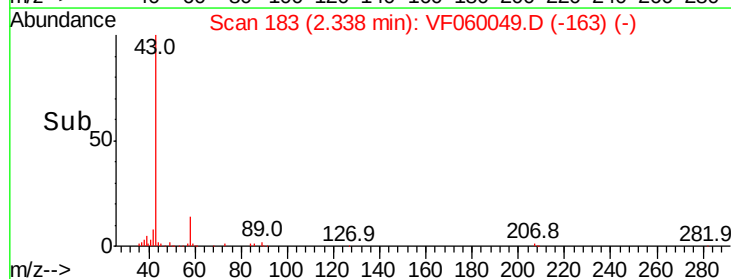
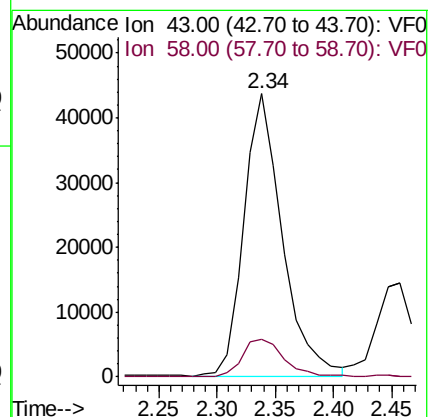
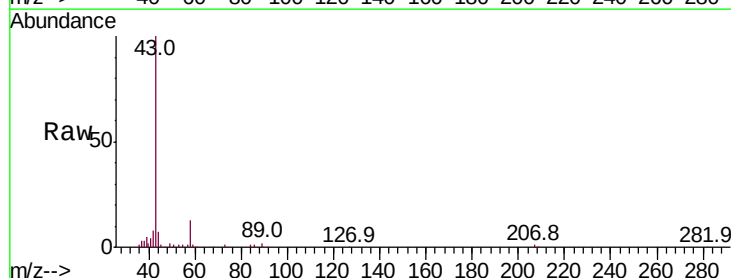
Acq: 23 Aug 2018 13:22

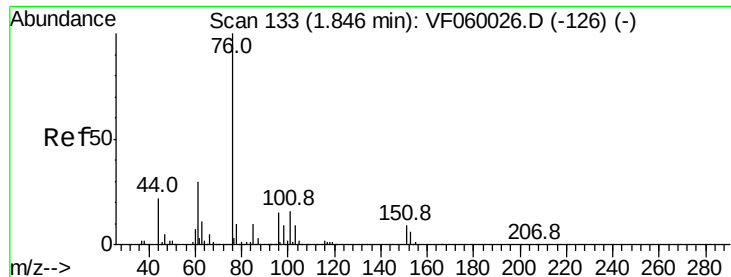
Tgt Ion: 43 Resp: 100347

Ion Ratio Lower Upper

43 100

58 13.5 12.6 19.0

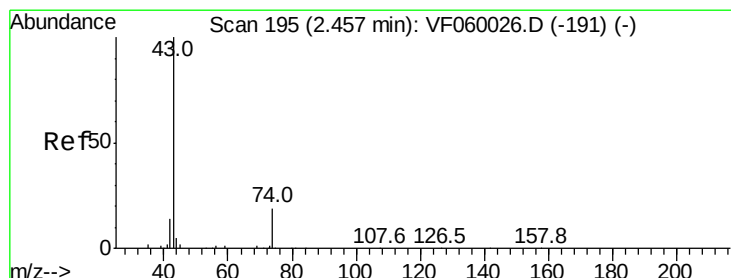
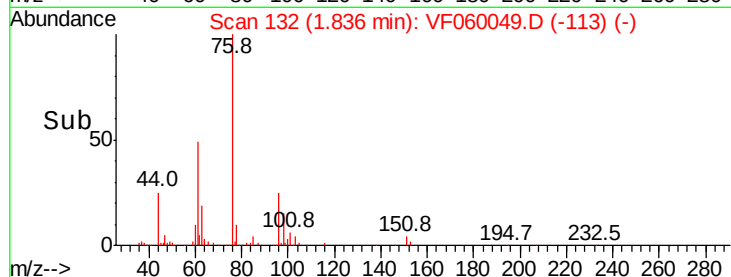
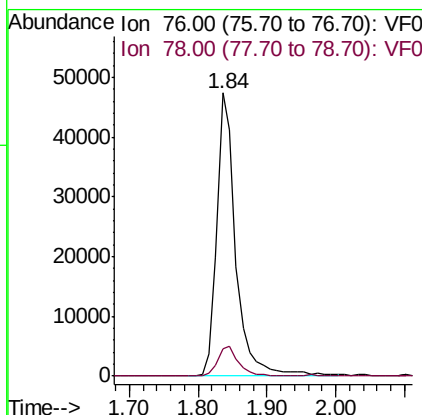
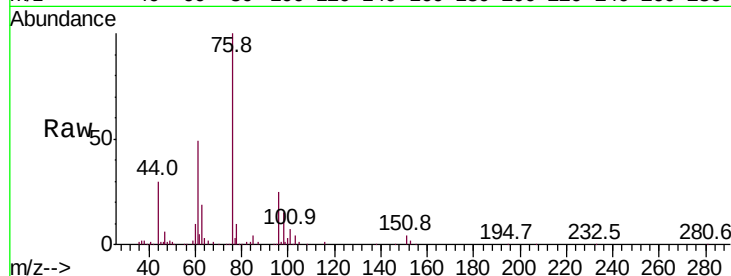




#17
Carbon Disulfide
Concen: 21.975 ug/l
RT: 1.84 min Scan# 132
Delta R.T. -0.01 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

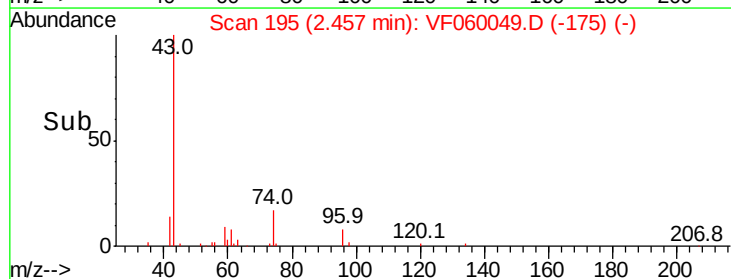
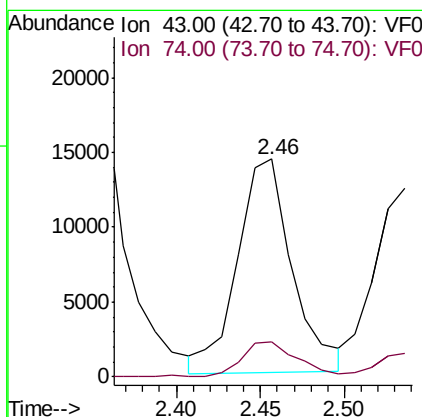
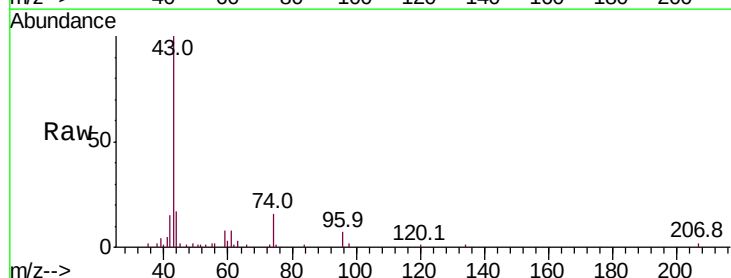
Instrument :
MSVOA_F
ClientSampled :

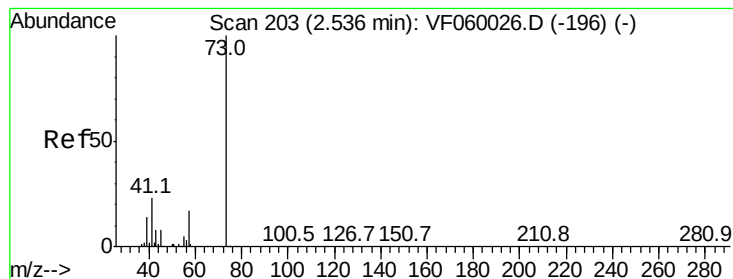
Tot Ion: 76 Resp: 90682
Ion Ratio Lower Upper
76 100
78 9.7 8.4 12.6



#18
Methyl Acetate
Concen: 23.027 ug/l
RT: 2.46 min Scan# 195
Delta R.T. 0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion: 43 Resp: 32160
Ion Ratio Lower Upper
43 100
74 16.2 13.8 20.6



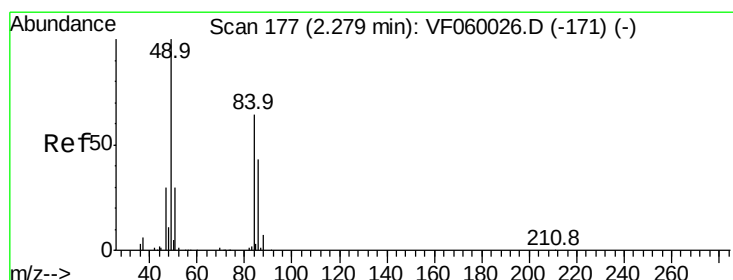
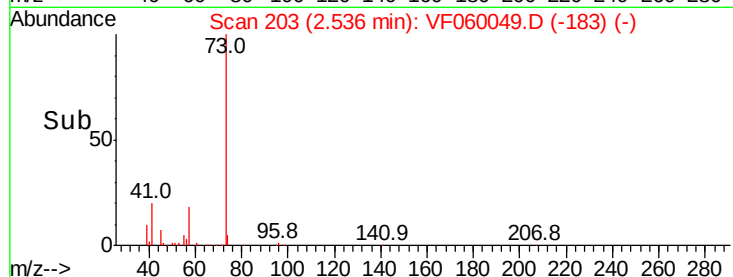
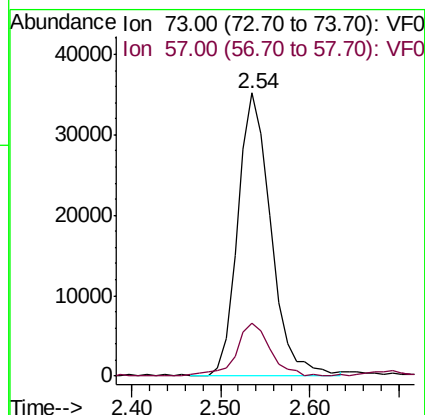
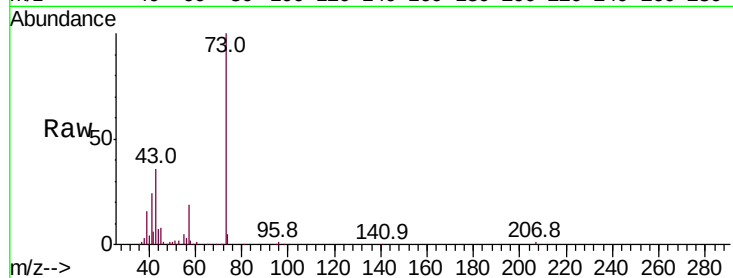


#19

Methyl tert-butyl Ether
 Concen: 21.595 ug/l
 RT: 2.54 min Scan# 203
 Delta R.T. -0.00 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

Instrument :
 MSVOA_F
 ClientSampleId :

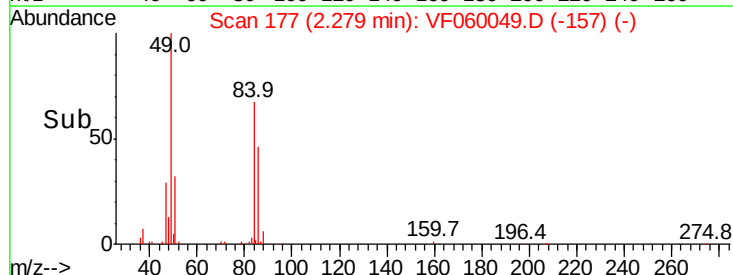
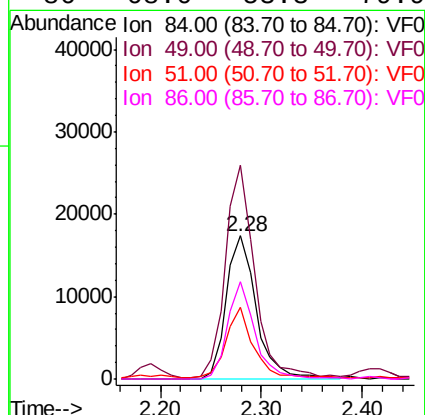
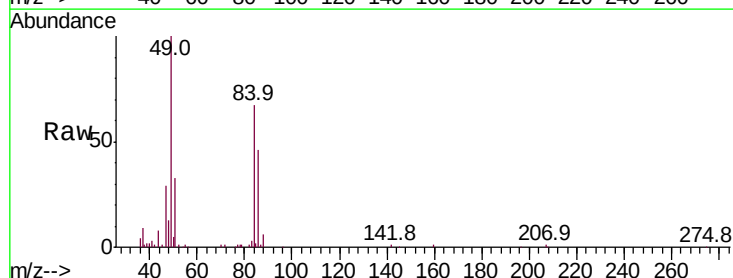
Tot Ion: 73 Resp: 91192
 Ion Ratio Lower Upper
 73 100
 57 18.8 13.7 20.5

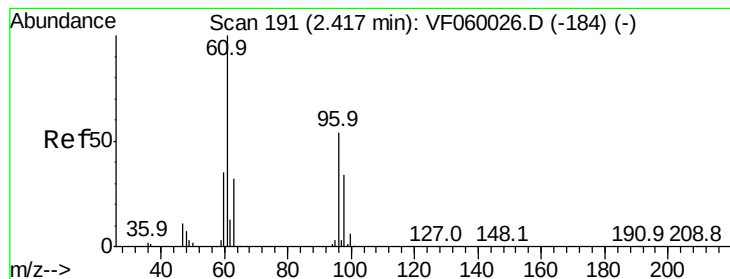


#20

Methylene Chloride
 Concen: 21.709 ug/l
 RT: 2.28 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

Tgt Ion: 84 Resp: 36145
 Ion Ratio Lower Upper
 84 100
 49 149.2 125.4 188.0
 51 49.8 38.3 57.5
 86 68.0 53.3 79.9





#21

trans-1,2-Dichloroethene

Concen: 20.609 ug/l

RT: 2.42 min Scan# 191

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :

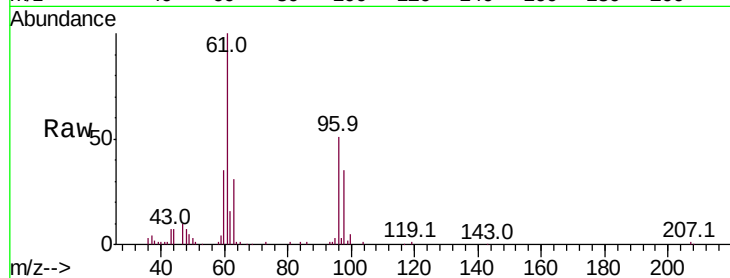
Tot Ion: 96 Resp: 30393

Ion Ratio Lower Upper

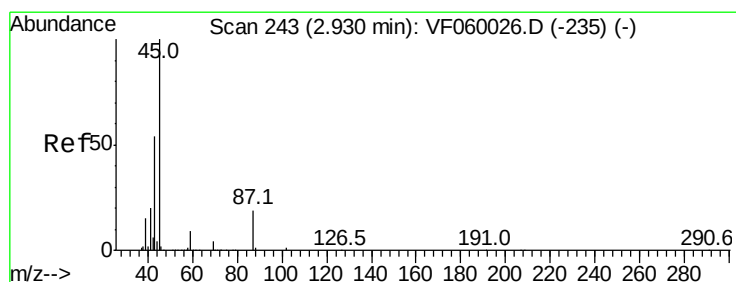
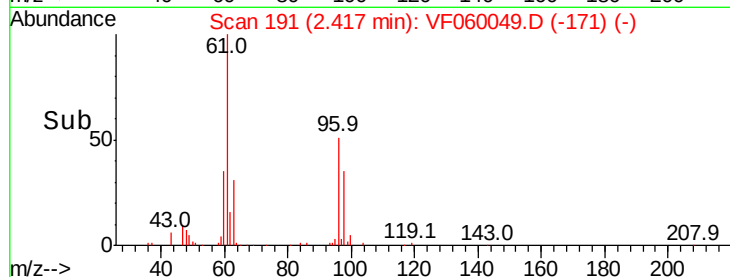
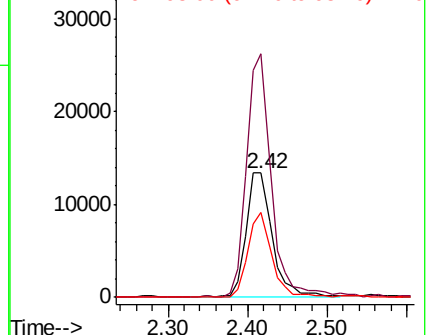
96 100

61 195.8 147.4 221.0

98 67.8 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: 20.088 ug/l

RT: 2.92 min Scan# 242

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Tgt Ion: 45 Resp: 105294

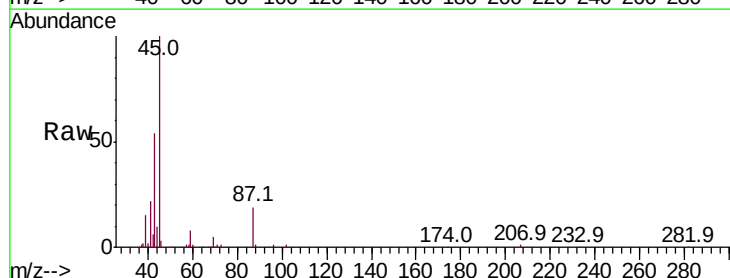
Ion Ratio Lower Upper

45 100

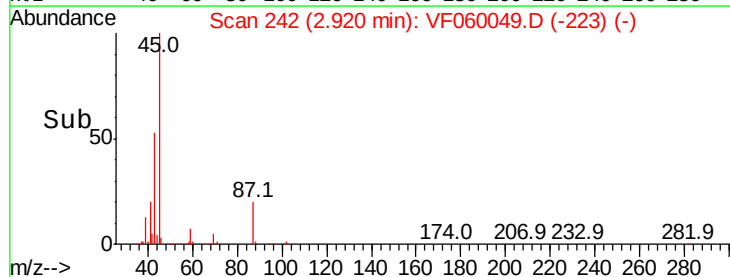
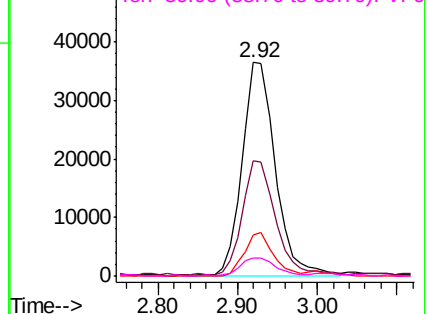
43 53.9 43.4 65.2

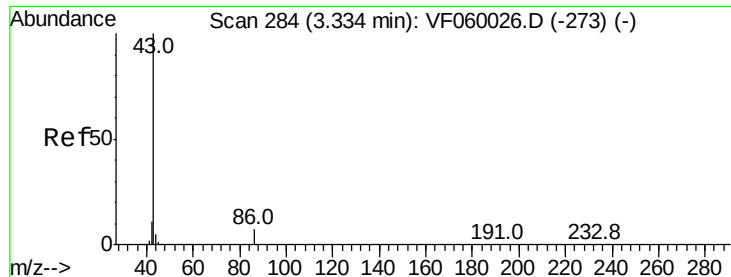
87 19.4 15.4 23.2

59 8.1 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: 123.682 ug/l

RT: 3.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

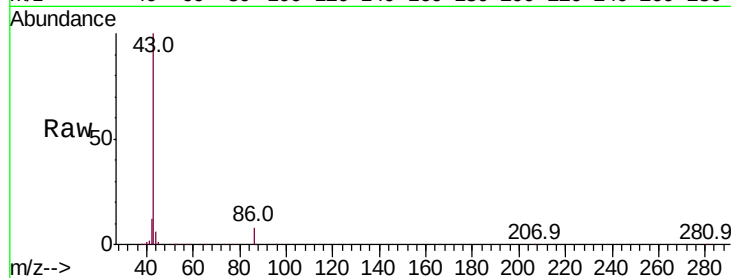
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 343438

Ion Ratio Lower Upper

43 100

86 7.6 5.6 8.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

150000

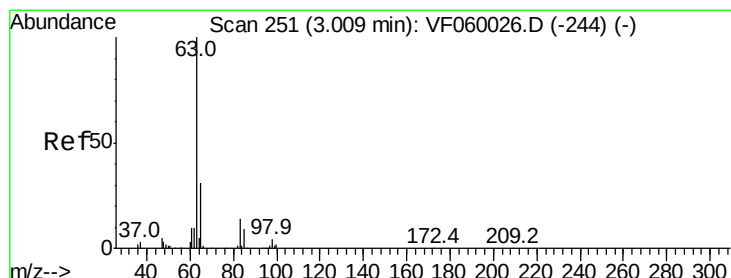
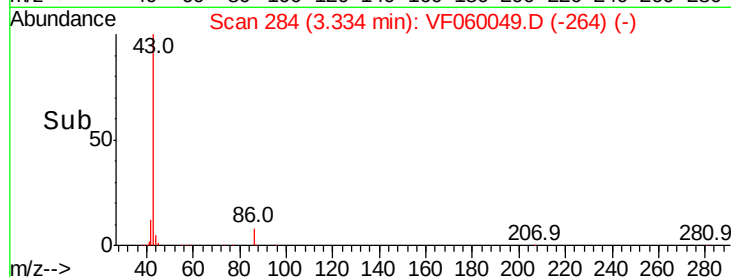
100000

50000

0

3.20 3.30 3.40 3.50

Time-->



#24

1,1-Dichloroethane

Concen: 20.691 ug/l

RT: 3.00 min Scan# 250

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

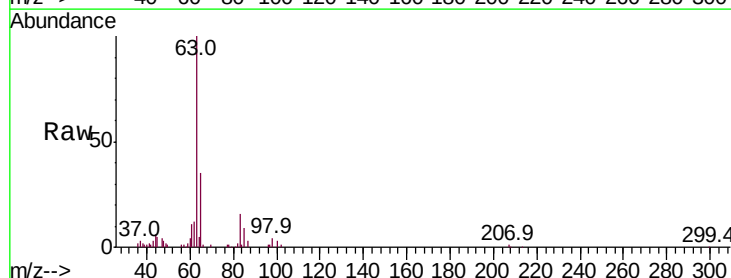
Tgt Ion: 63 Resp: 66998

Ion Ratio Lower Upper

63 100

98 3.9 2.1 6.5

100 2.9 1.1 3.3



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

30000

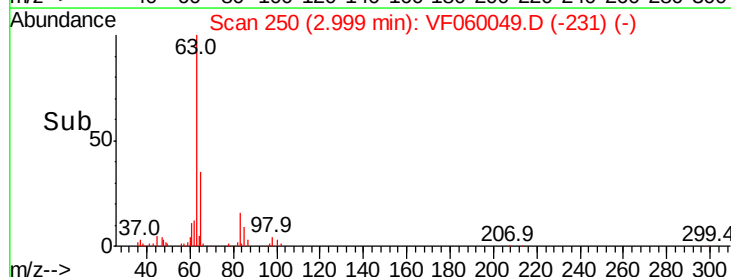
20000

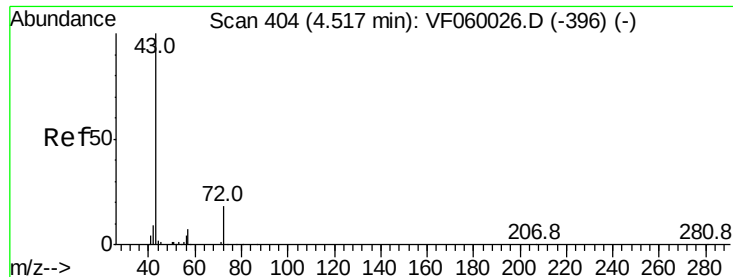
10000

0

2.90 3.00 3.10 3.20

Time-->





#25

2-Butanone

Concen: 125.230 ug/l

RT: 4.51 min Scan# 403

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

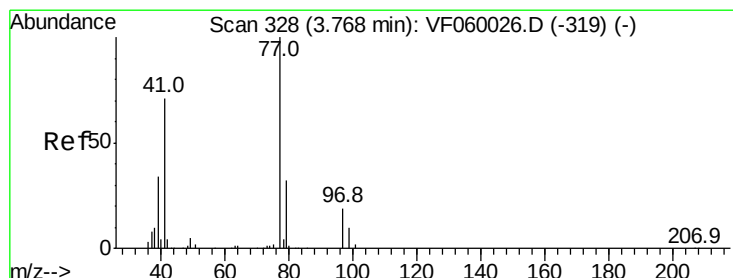
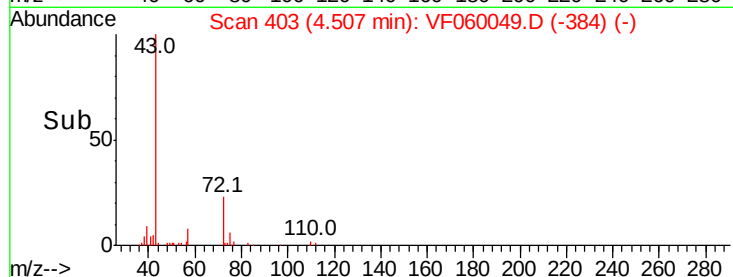
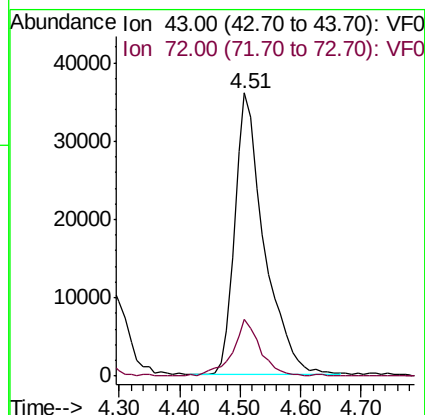
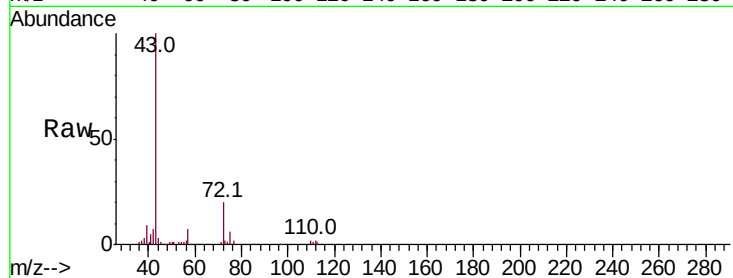
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 43 Resp: 121314

Ion Ratio Lower Upper

43 100

72 20.1 15.0 22.6



#26

2,2-Dichloropropane

Concen: 22.617 ug/l

RT: 3.76 min Scan# 327

Delta R.T. -0.01 min

Lab File: VF060049.D

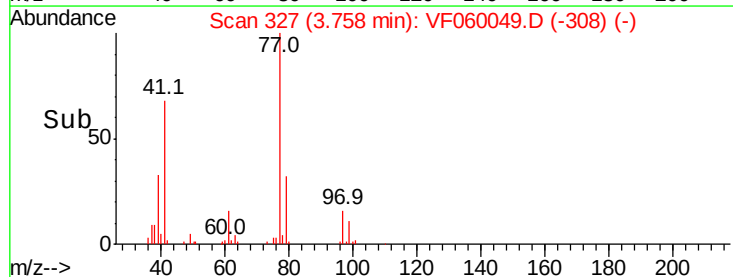
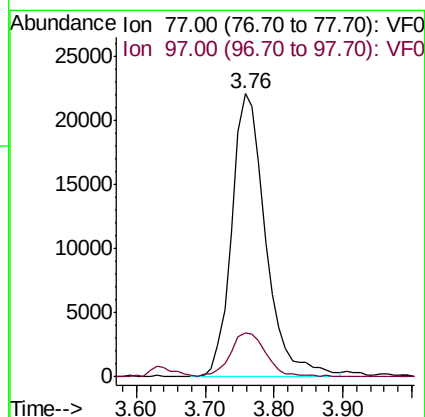
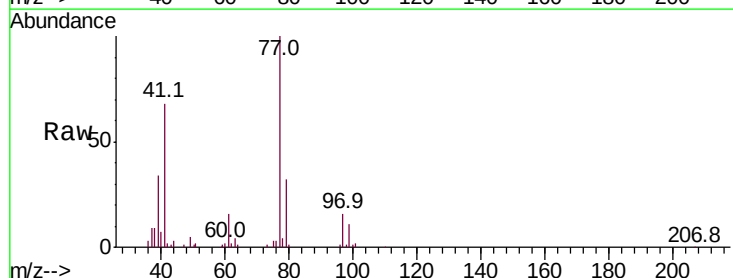
Acq: 23 Aug 2018 13:22

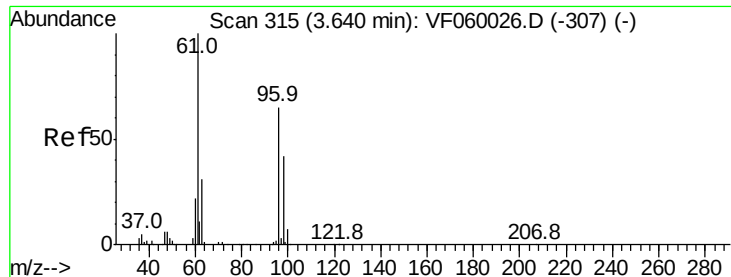
Tgt Ion: 77 Resp: 75770

Ion Ratio Lower Upper

77 100

97 15.6 9.7 29.1



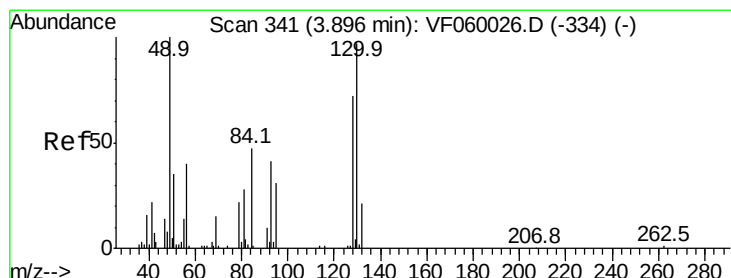
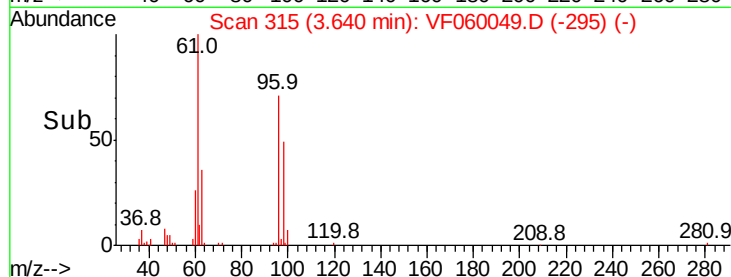
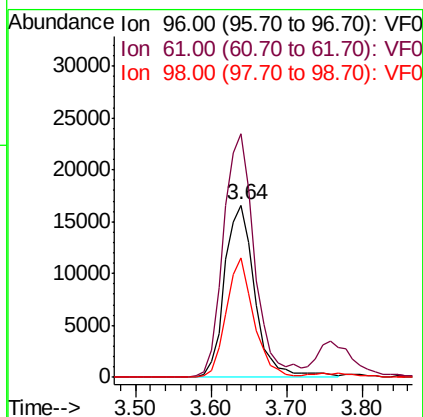
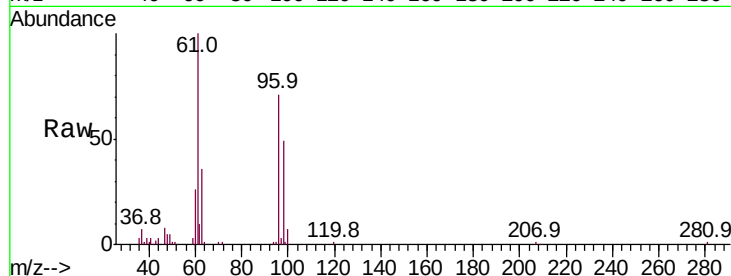


#27

cis-1,2-Dichloroethene
 Concen: 22.069 ug/l
 RT: 3.64 min Scan# 315
 Delta R.T. -0.00 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

Instrument :
 MSVOA_F
 ClientSampled :

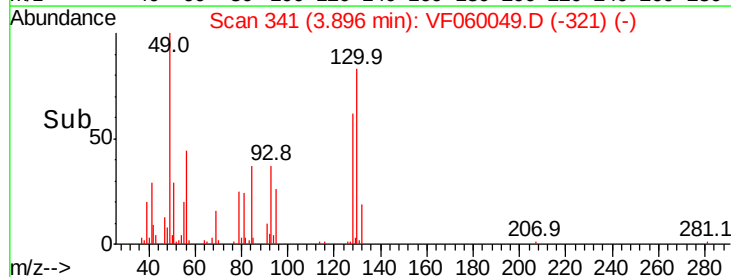
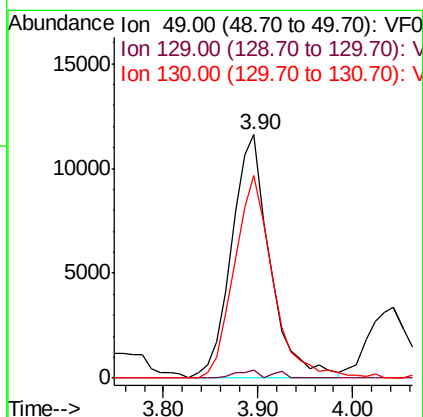
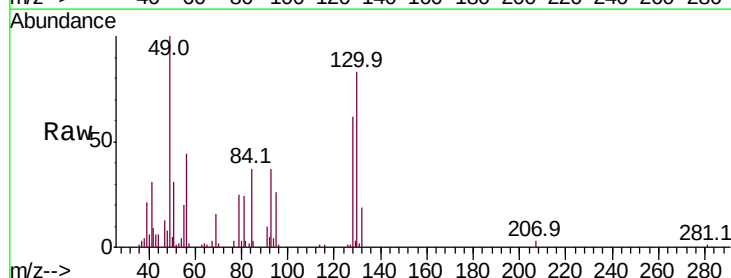
Tot Ion	96	Resp	46120
Ion	Ratio	Lower	Upper
96	100		
61	141.1	0.0	307.6
98	69.0	0.0	128.4

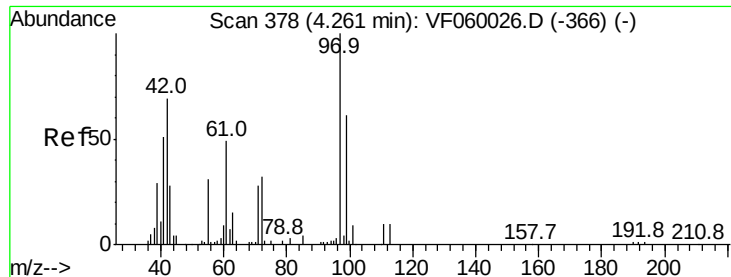


#28

Bromochloromethane
 Concen: 23.877 ug/l
 RT: 3.90 min Scan# 341
 Delta R.T. -0.00 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

Tgt Ion	49	Resp	32641
Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	7.4
130	83.1	78.0	117.0





#29

Tetrahydrofuran

Concen: 113.247 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

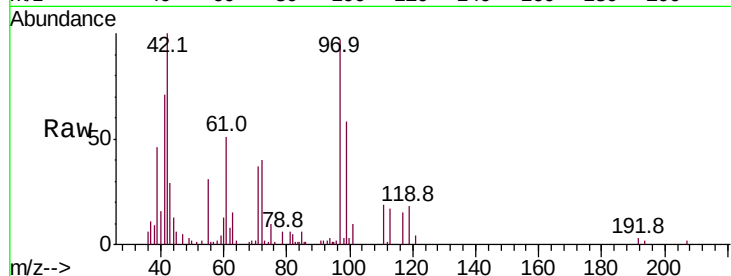
Tot Ion: 42 Resp: 41420

Ion Ratio Lower Upper

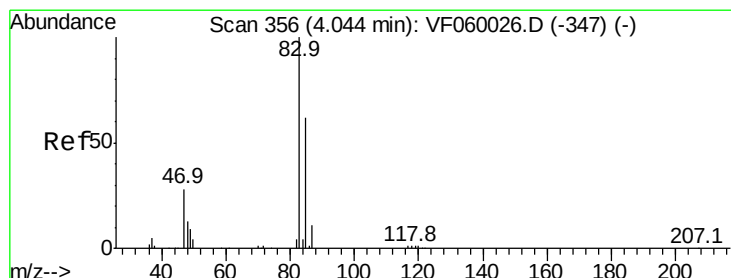
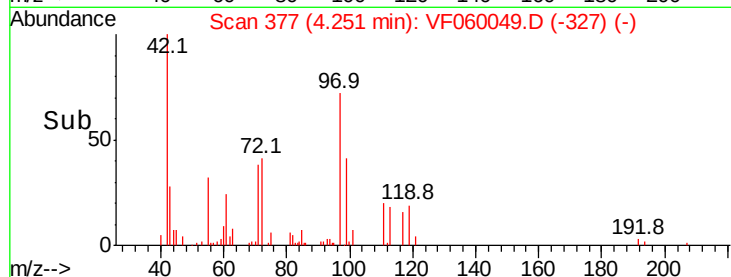
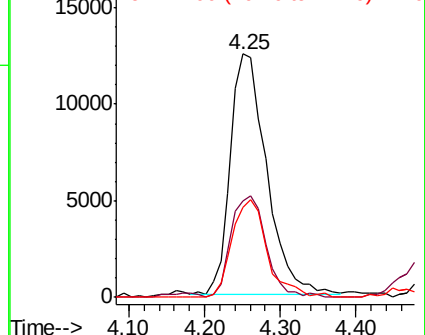
42 100

72 40.9 31.4 47.2

71 39.3 29.7 44.5



Abundance Ion 42.00 (41.70 to 42.70): VF0
Ion 72.00 (71.70 to 72.70): VF0
Ion 71.00 (70.70 to 71.70): VF0



#30

Chloroform

Concen: 21.652 ug/l

RT: 4.03 min Scan# 355

Delta R.T. -0.01 min

Lab File: VF060049.D

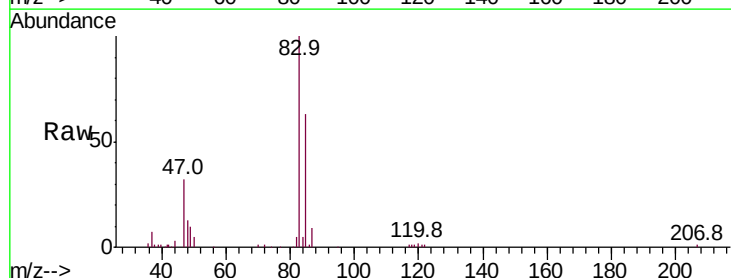
Acq: 23 Aug 2018 13:22

Tgt Ion: 83 Resp: 98411

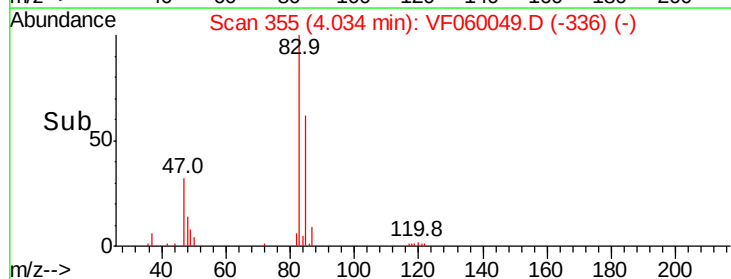
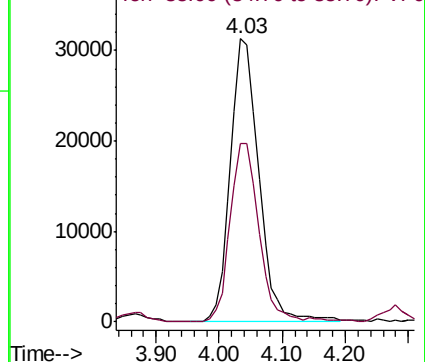
Ion Ratio Lower Upper

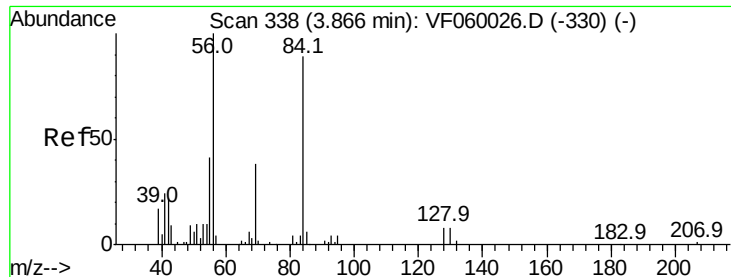
83 100

85 63.1 49.5 74.3



Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 85.00 (84.70 to 85.70): VF0

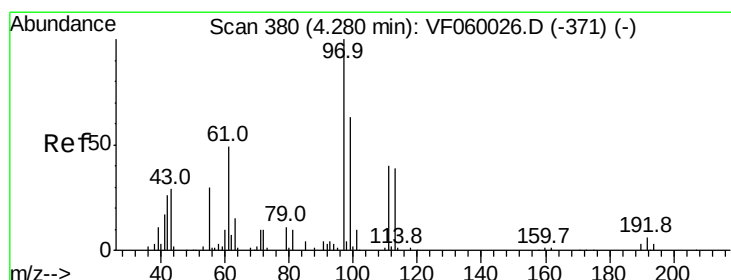
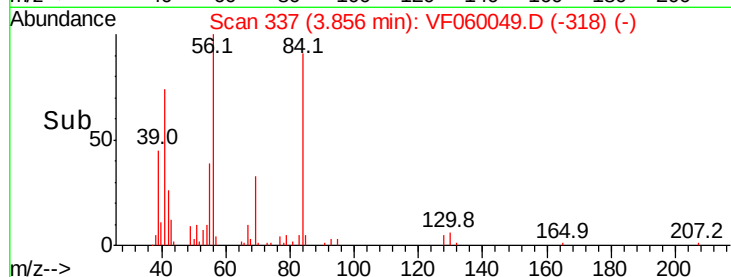
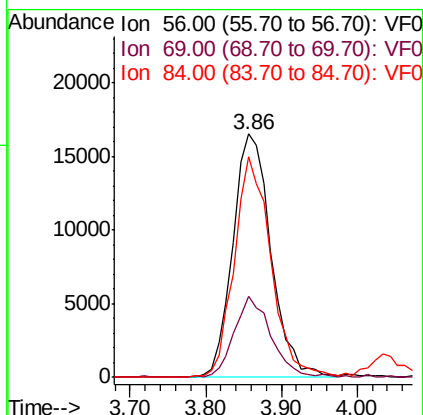
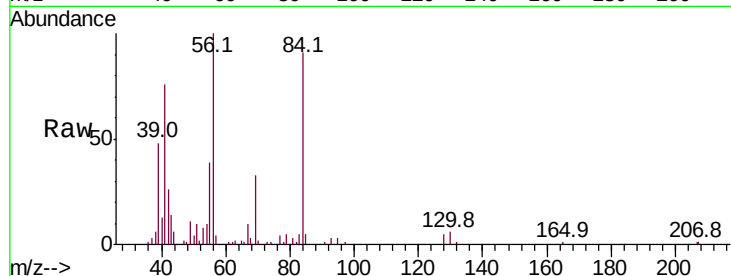




#31
Cyclohexane
Concen: 23.487 ug/l
RT: 3.86 min Scan# 337
Delta R.T. -0.01 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

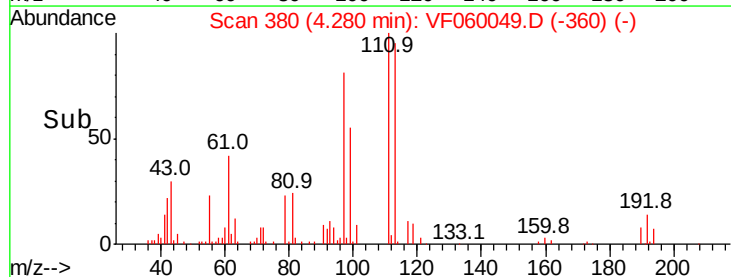
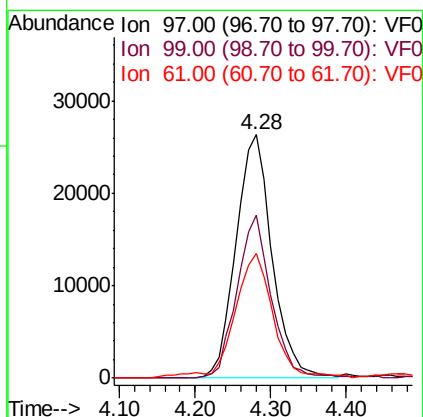
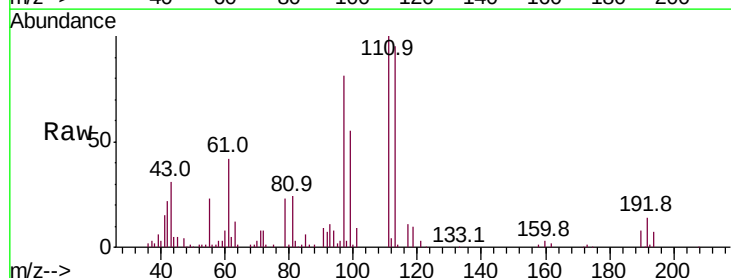
Instrument :
MSVOA_F
ClientSampleId :

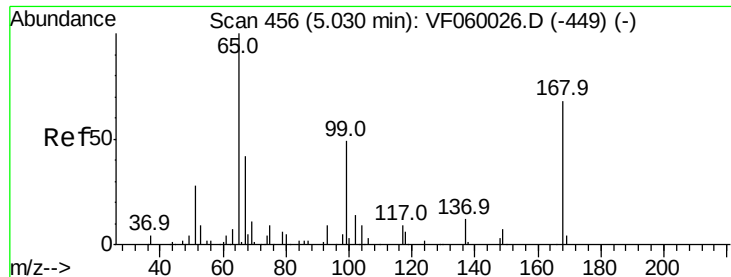
Tot Ion: 56 Resp: 57950
Ion Ratio Lower Upper
56 100
69 33.2 30.4 45.6
84 90.6 71.4 107.2



#32
1,1,1-Trichloroethane
Concen: 22.378 ug/l
RT: 4.28 min Scan# 380
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion: 97 Resp: 87099
Ion Ratio Lower Upper
97 100
99 67.1 50.3 75.5
61 51.2 40.3 60.5

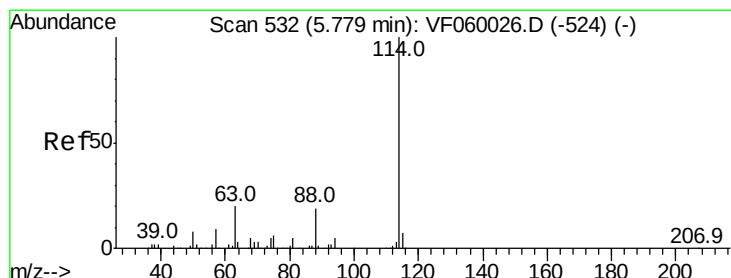
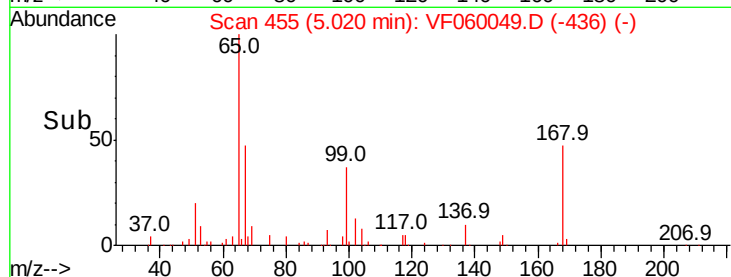
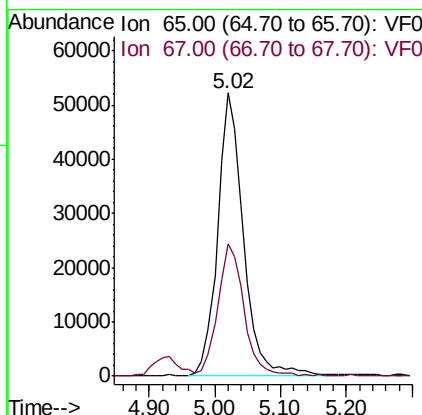
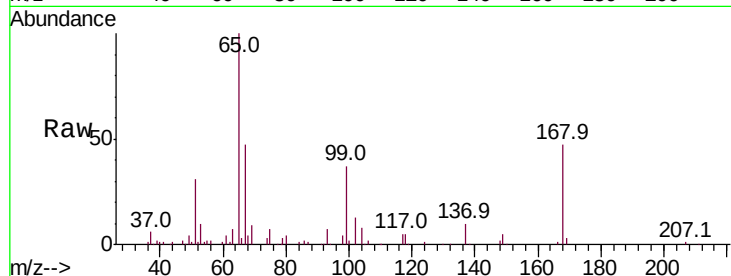




#33
 1,2-Dichloroethane-d4
 Concen: 50.421 ug/l
 RT: 5.02 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

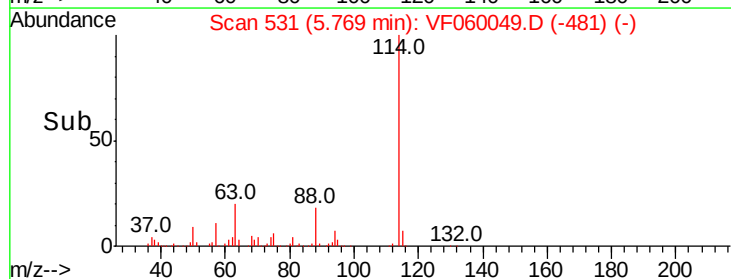
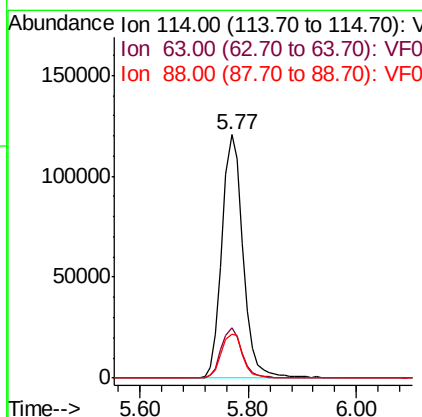
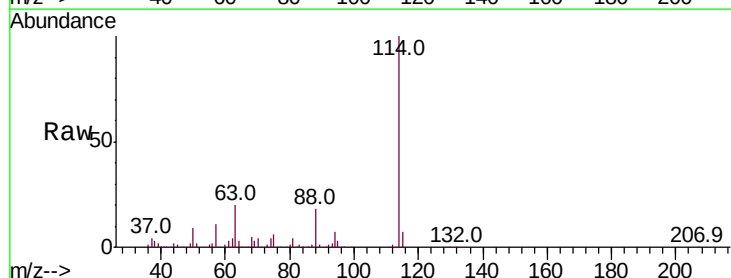
Instrument :
 MSVOA_F
 ClientSampled :

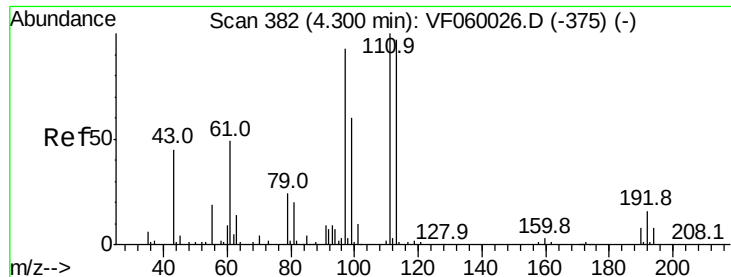
Tot Ion: 65 Resp: 143076
 Ion Ratio Lower Upper
 65 100
 67 46.7 0.0 92.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.77 min Scan# 531
 Delta R.T. -0.01 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

Tgt Ion: 114 Resp: 325891
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.4
 88 18.2 0.0 38.6





#35

Dibromofluoromethane

Concen: 52.279 ug/l

RT: 4.30 min Scan# 382

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :
MSVOA_F
ClientSampled :

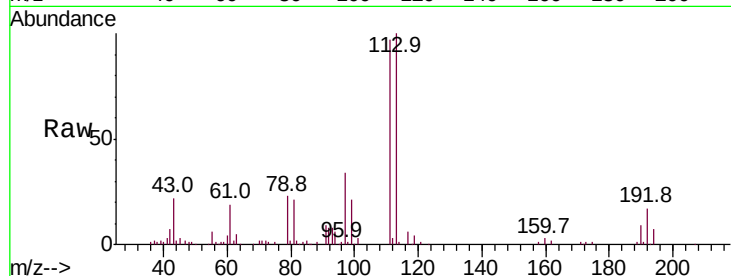
Tot Ion:113 Resp: 133785

Ion Ratio Lower Upper

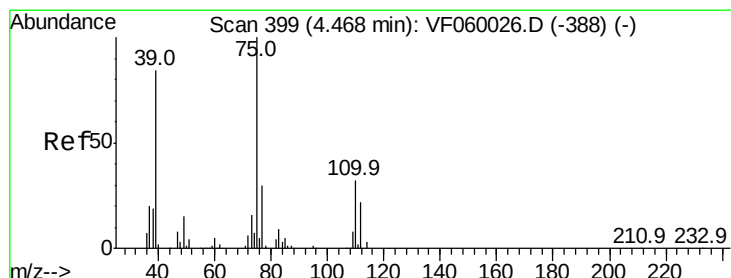
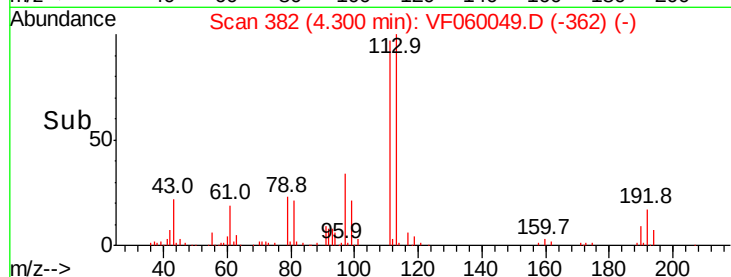
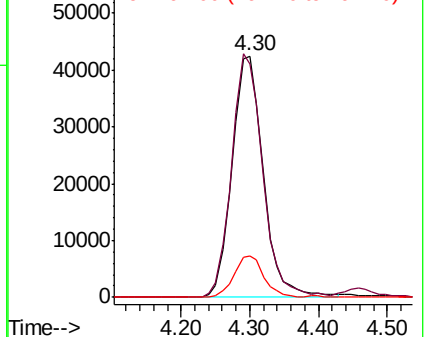
113 100

111 96.7 82.7 124.1

192 17.4 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: 21.171 ug/l

RT: 4.47 min Scan# 399

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

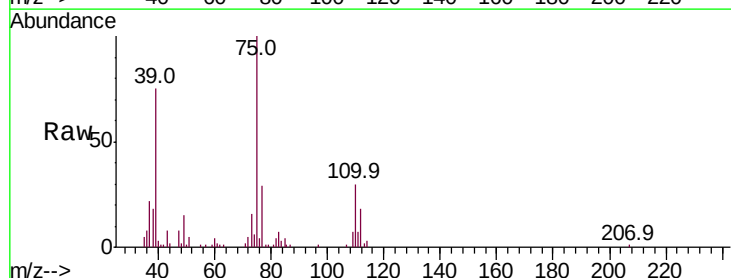
Tgt Ion: 75 Resp: 64837

Ion Ratio Lower Upper

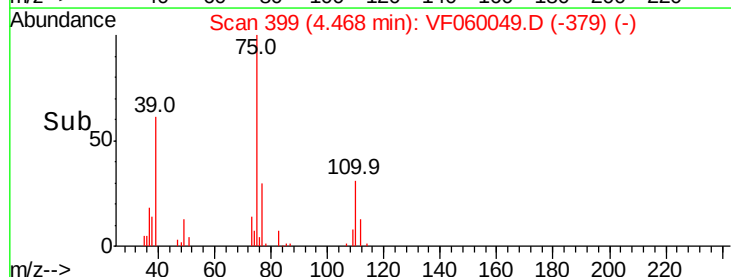
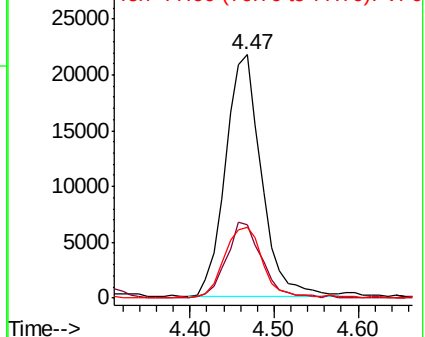
75 100

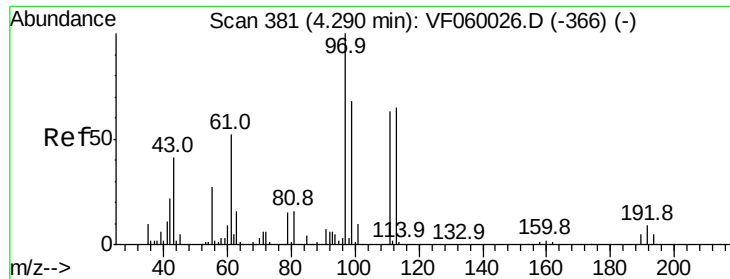
110 30.2 16.0 47.9

77 29.3 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: 22.332 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampled :

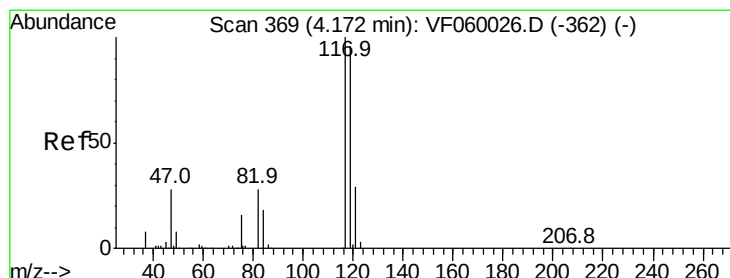
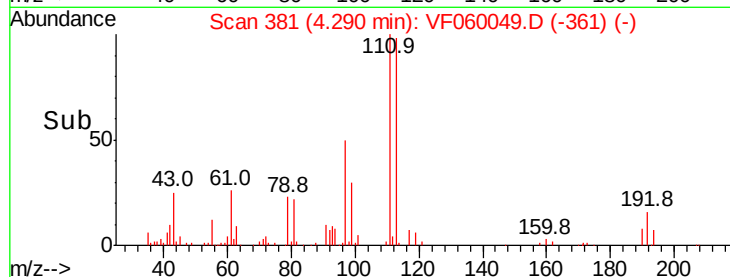
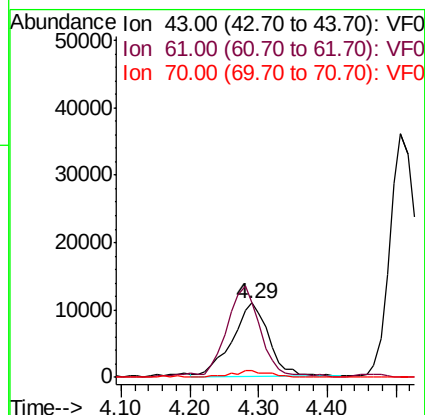
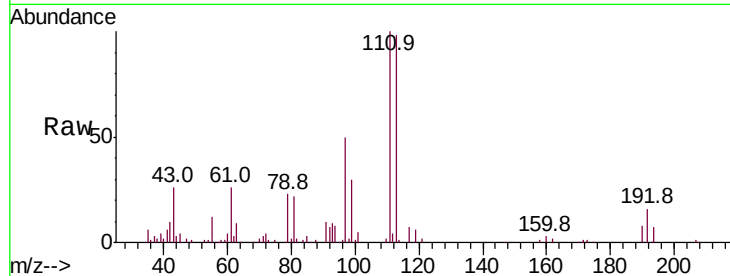
Tot Ion: 43 Resp: 40902

Ion Ratio Lower Upper

43 100

61 100.2 101.5 152.3#

70 9.6 6.4 9.6#



#38

Carbon Tetrachloride

Concen: 21.338 ug/l

RT: 4.17 min Scan# 369

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

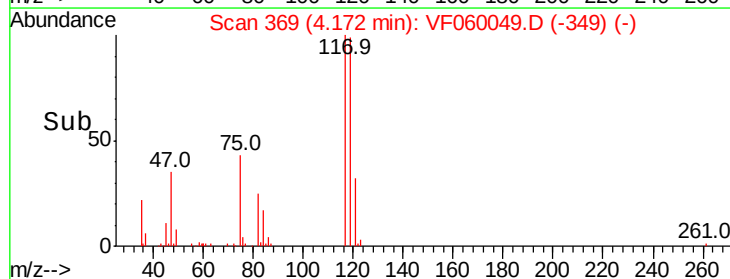
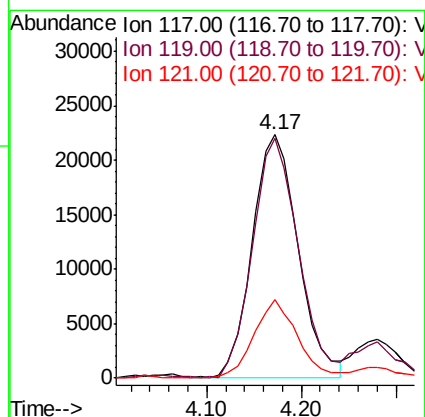
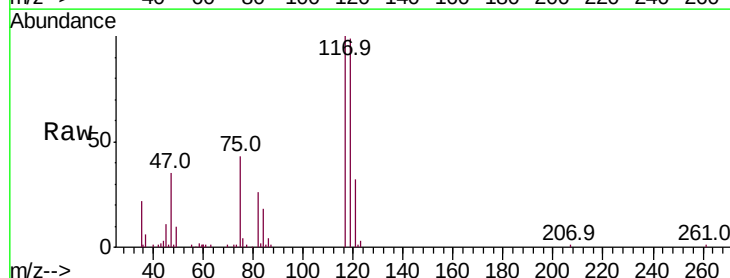
Tgt Ion:117 Resp: 75670

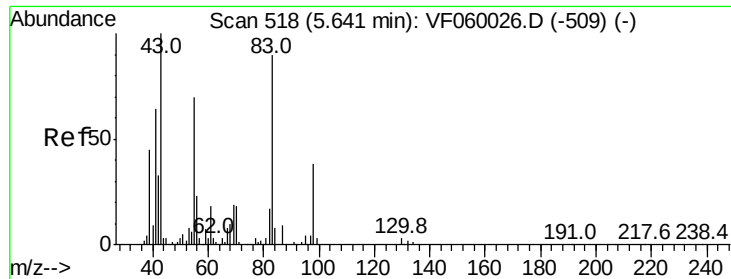
Ion Ratio Lower Upper

117 100

119 98.6 76.5 114.7

121 32.2 23.0 34.6

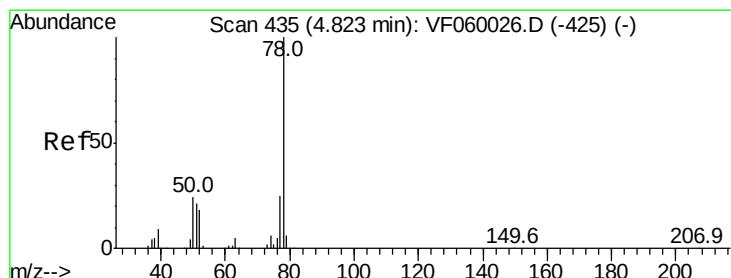
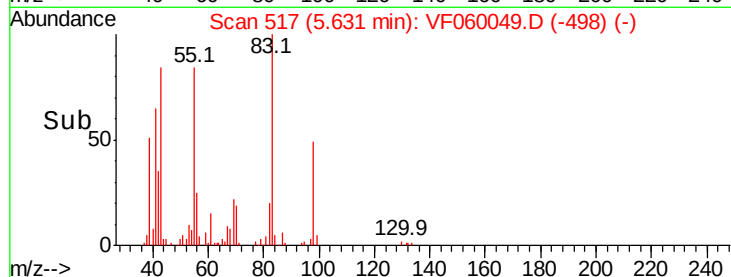
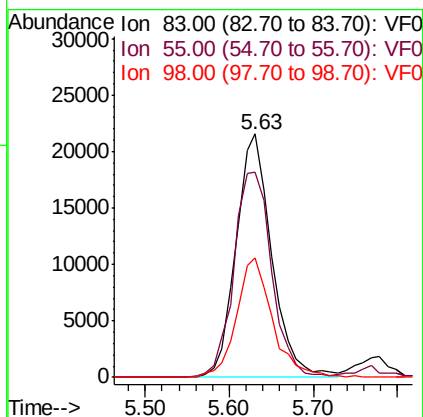
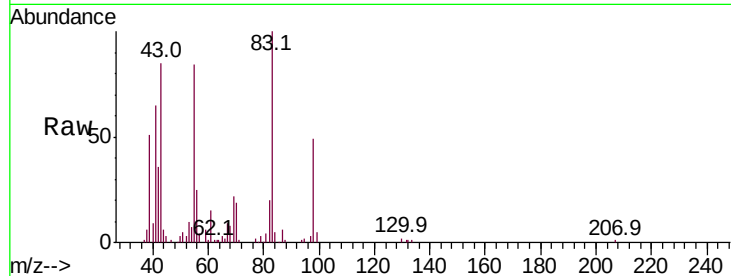




#39
Methylvlcyclohexane
Concen: 22.286 ug/l
RT: 5.63 min Scan# 517
Delta R.T. -0.01 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

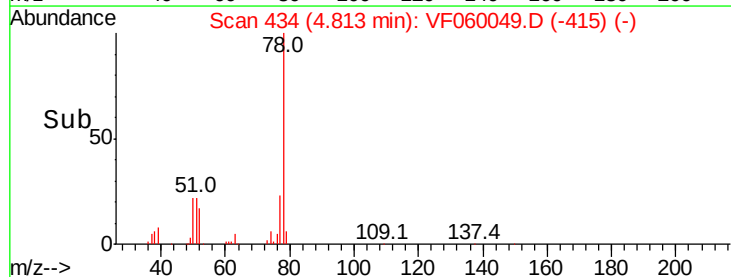
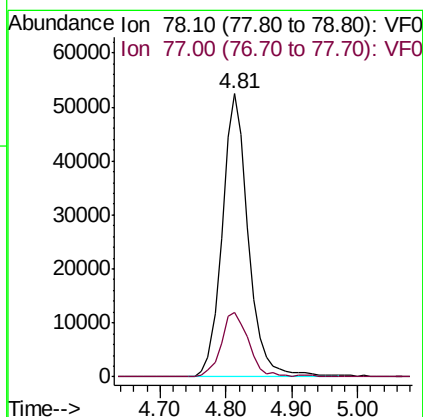
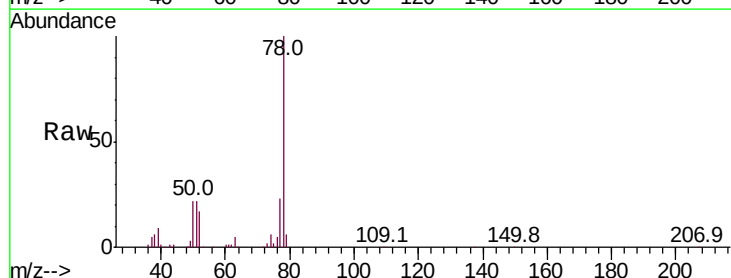
Instrument :
MSVOA_F
ClientSampleId :

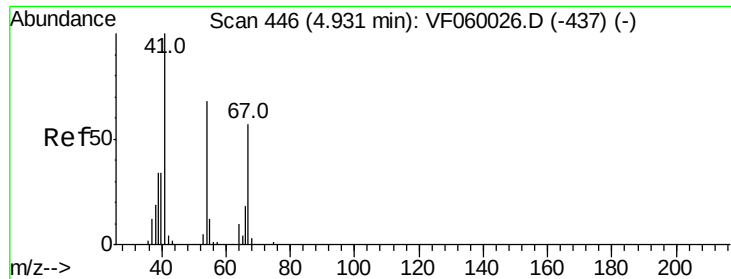
Tot Ion: 83 Resp: 63995
Ion Ratio Lower Upper
83 100
55 84.1 62.7 94.1
98 49.2 33.8 50.8



#40
Benzene
Concen: 21.715 ug/l
RT: 4.81 min Scan# 434
Delta R.T. -0.01 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion: 78 Resp: 145275
Ion Ratio Lower Upper
78 100
77 22.9 19.8 29.6





#41

Methacrylonitrile

Concen: 21.314 ug/l

RT: 4.92 min Scan# 445

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

Tot Ion: 41 Resp: 19746

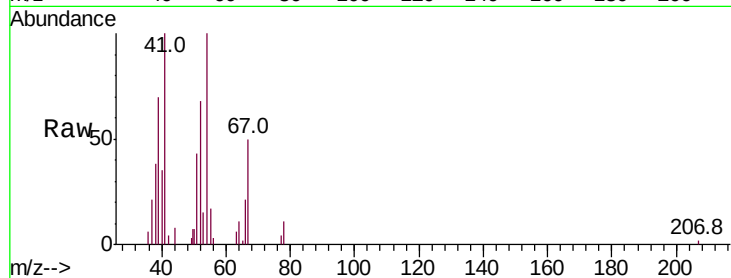
Ion Ratio Lower Upper

41 100

39 70.0 52.9 79.3

67 50.0 45.3 67.9

52 67.9 34.8 52.2#

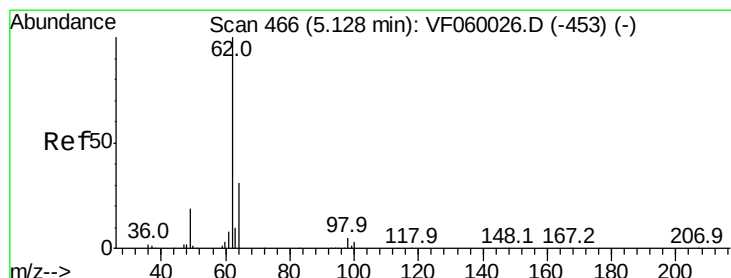
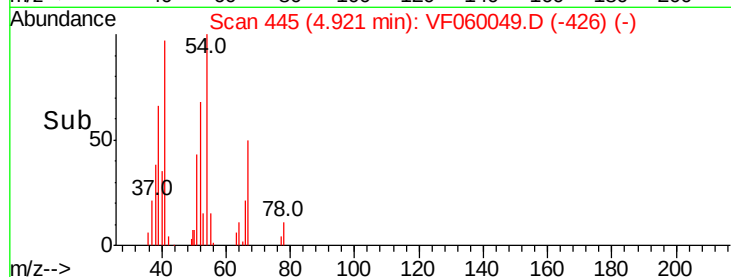
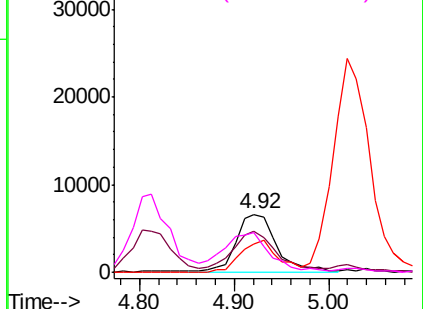


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 20.395 ug/l

RT: 5.12 min Scan# 465

Delta R.T. -0.01 min

Lab File: VF060049.D

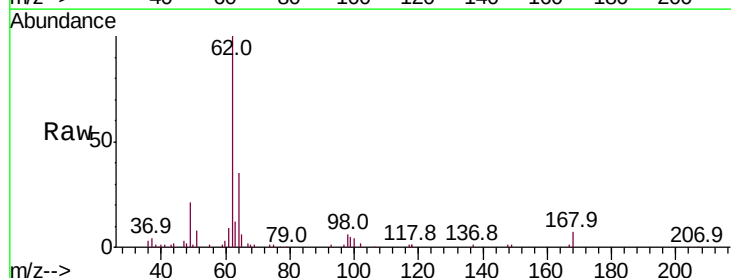
Acq: 23 Aug 2018 13:22

Tgt Ion: 62 Resp: 73163

Ion Ratio Lower Upper

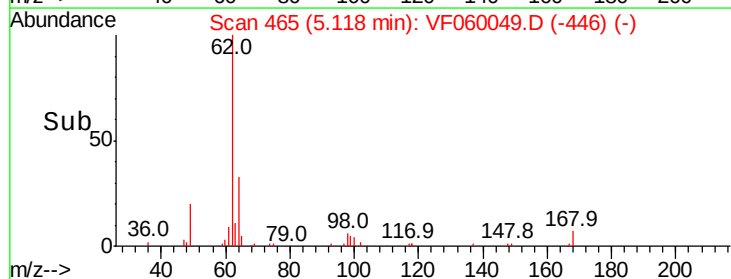
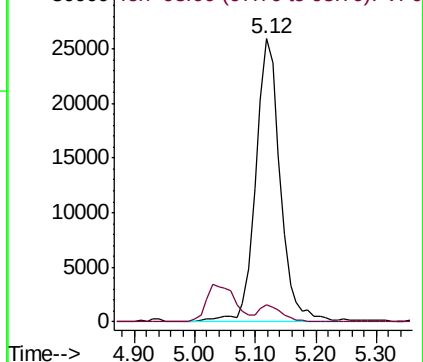
62 100

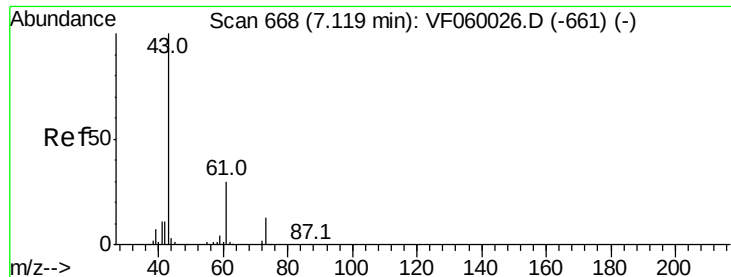
98 5.9 0.0 11.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

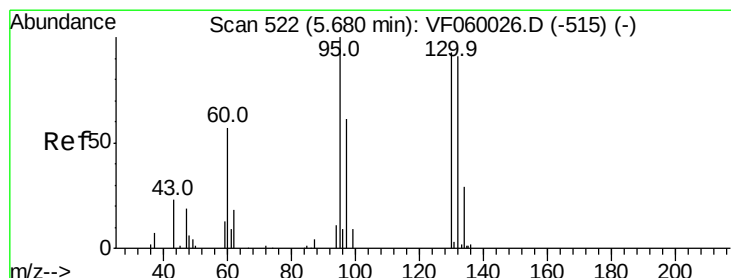
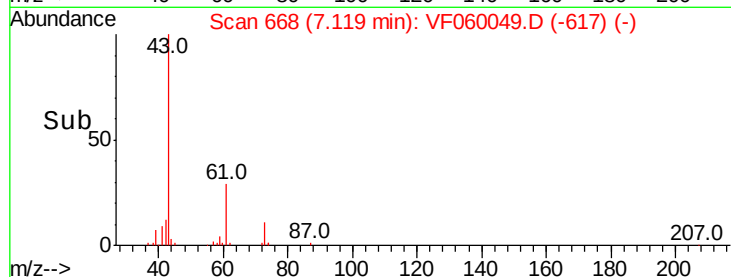
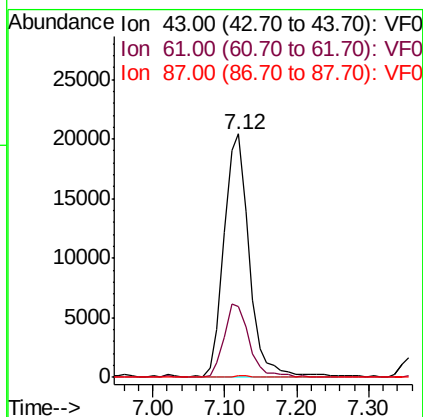
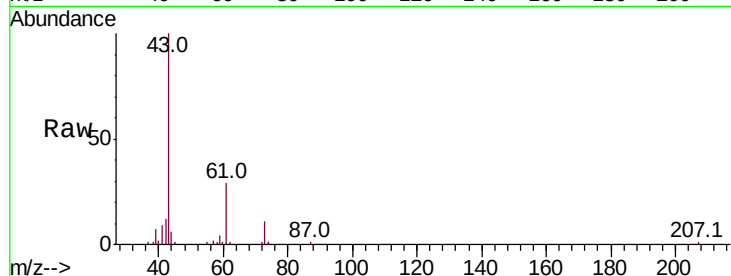




#43
Isopropyl Acetate
Concen: 21.586 ug/l
RT: 7.12 min Scan# 668
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

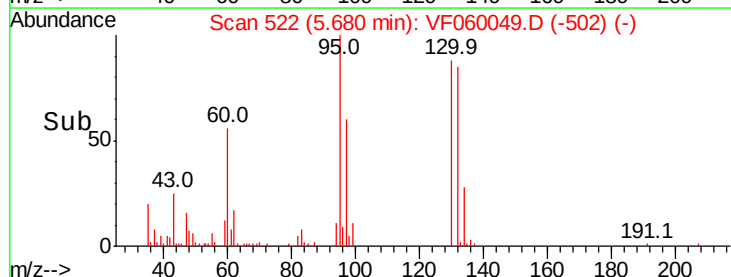
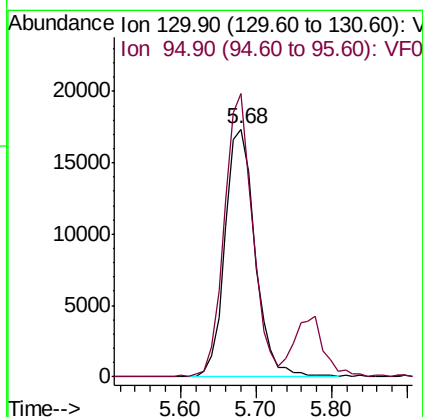
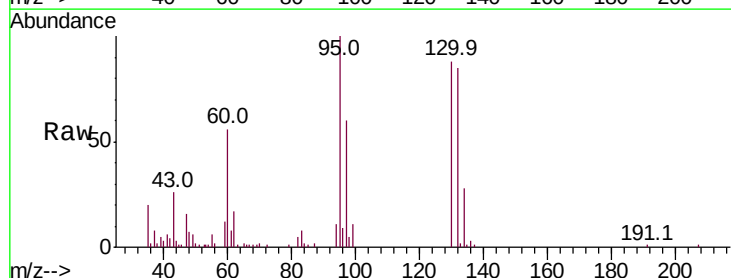
Instrument :
MSVOA_F
ClientSampleId :

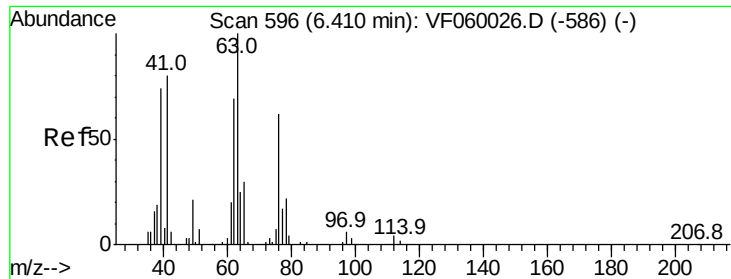
Tot Ion: 43 Resp: 49760
Ion Ratio Lower Upper
43 100
61 29.1 23.8 35.6
87 0.6 0.2 0.4#



#44
Trichloroethene
Concen: 21.637 ug/l
RT: 5.68 min Scan# 522
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion:130 Resp: 47853
Ion Ratio Lower Upper
130 100
95 114.2 0.0 215.8





#45

1,2-Dichloropropane

Concen: 22.673 ug/l

RT: 6.41 min Scan# 596

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

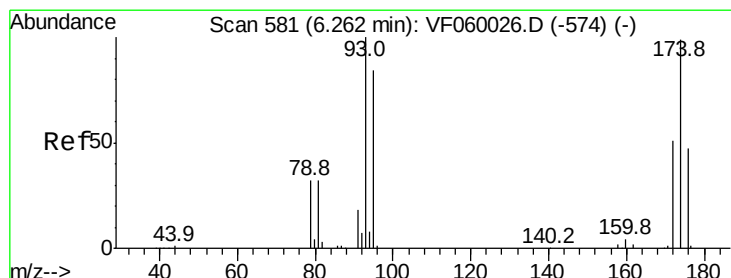
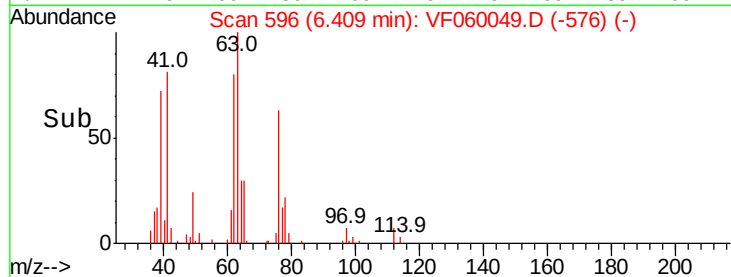
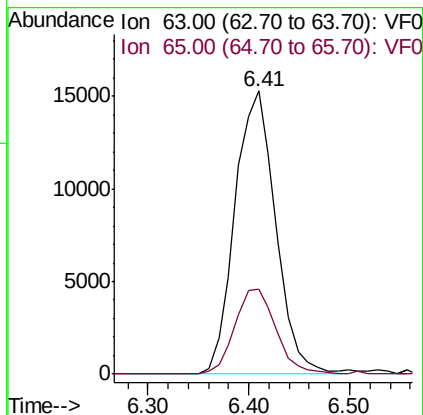
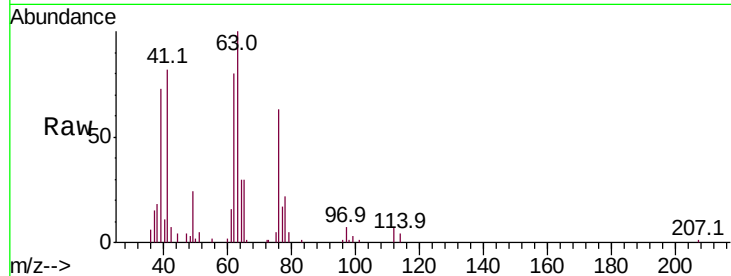
ClientSampleId :

Tot Ion: 63 Resp: 42906

Ion Ratio Lower Upper

63 100

65 29.9 23.8 35.6



#46

Dibromomethane

Concen: 22.067 ug/l

RT: 6.25 min Scan# 580

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

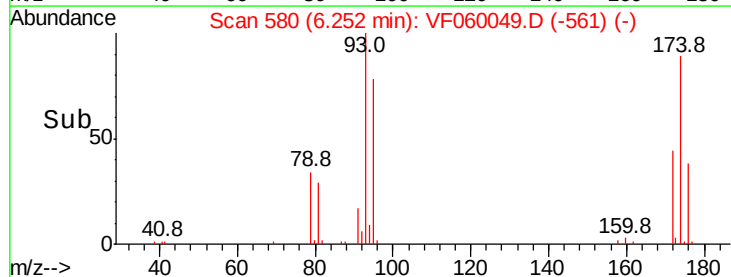
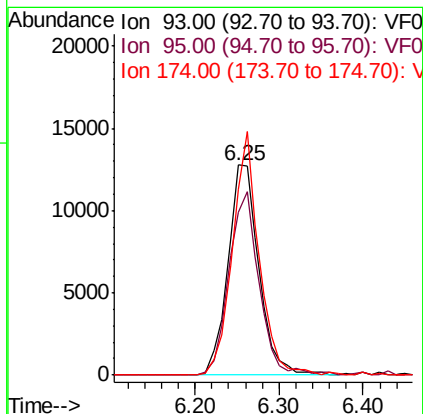
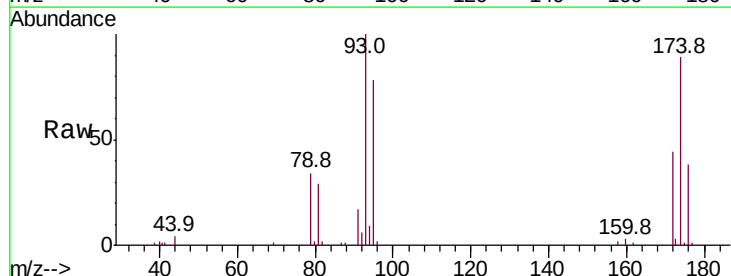
Tgt Ion: 93 Resp: 32676

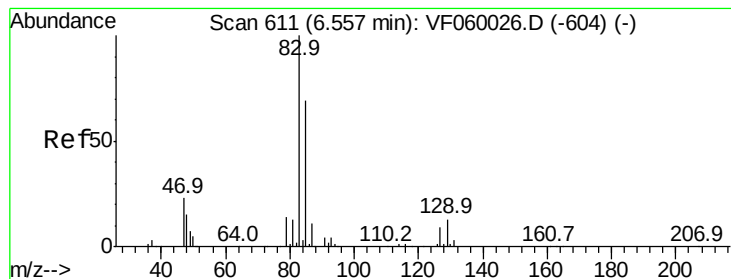
Ion Ratio Lower Upper

93 100

95 77.6 67.1 100.7

174 88.7 79.0 118.4





#47

Bromodichloromethane

Concen: 21.795 ug/l

RT: 6.55 min Scan# 610

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

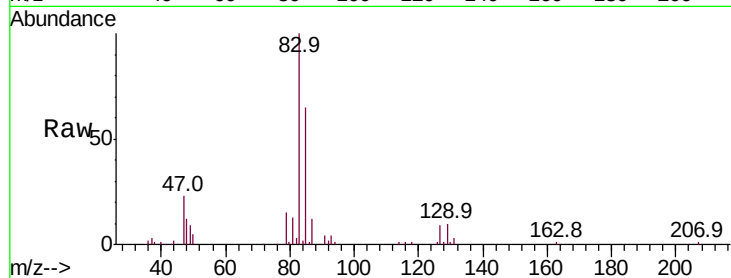
Tot Ion: 83 Resp: 77953

Ion Ratio Lower Upper

83 100

85 64.7 55.2 82.8

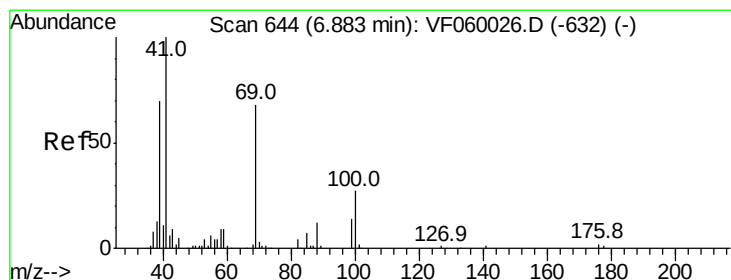
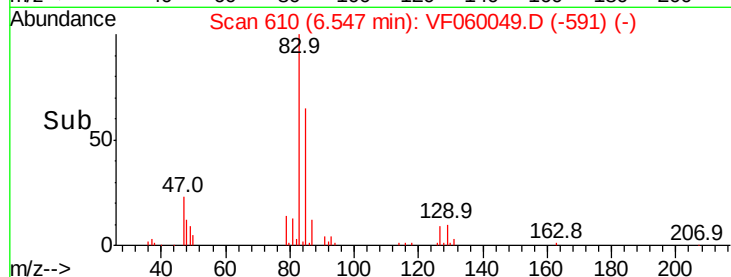
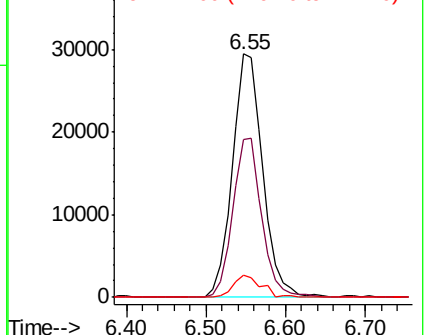
127 9.1 7.3 10.9



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: 20.961 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

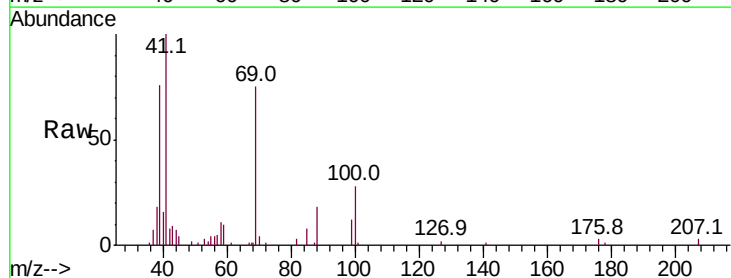
Tgt Ion: 41 Resp: 31975

Ion Ratio Lower Upper

41 100

69 74.8 54.6 81.8

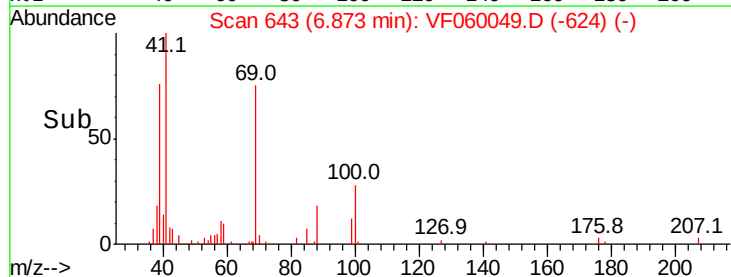
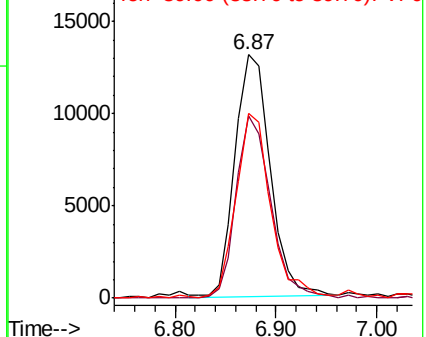
39 76.0 56.5 84.7

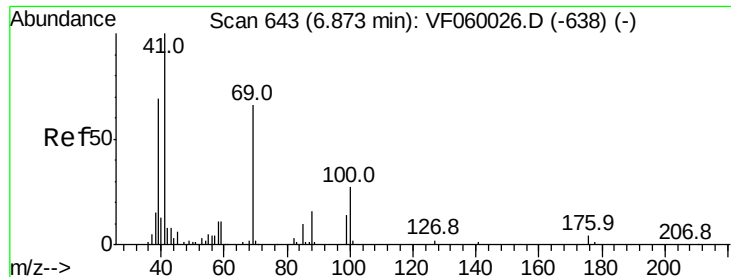


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 460.128 ug/l

RT: 6.87 min Scan# 643

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :

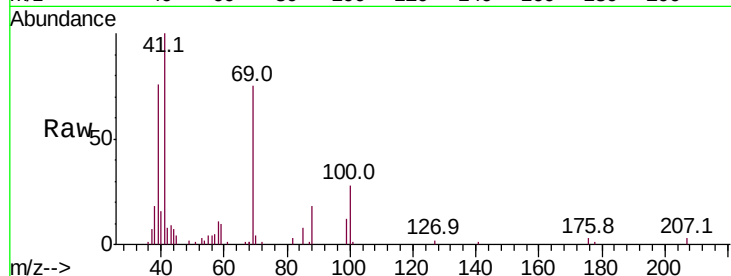
Tot Ion: 88 Resp: 6738

Ion Ratio Lower Upper

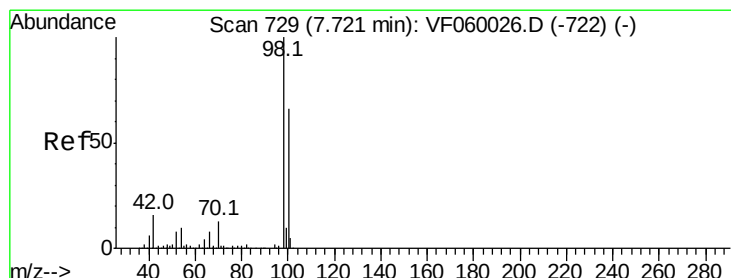
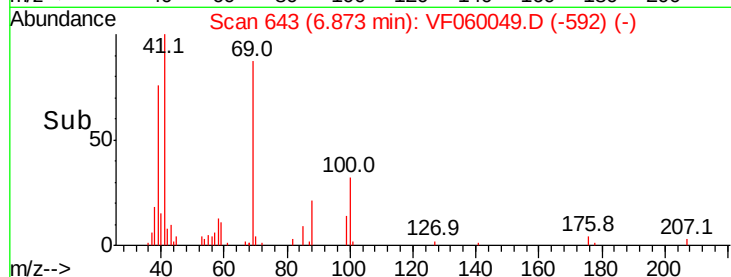
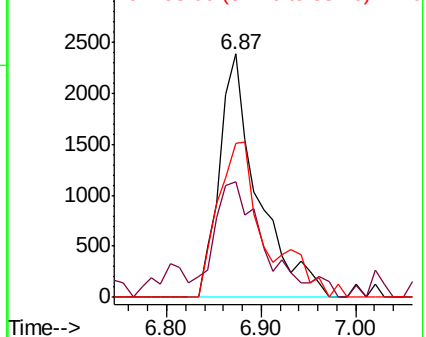
88 100

43 47.6 46.5 69.7

58 63.3 54.8 82.2



Abundance Ion 88.00 (87.70 to 88.70): VF0
Ion 43.00 (42.70 to 43.70): VF0
Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 48.457 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.01 min

Lab File: VF060049.D

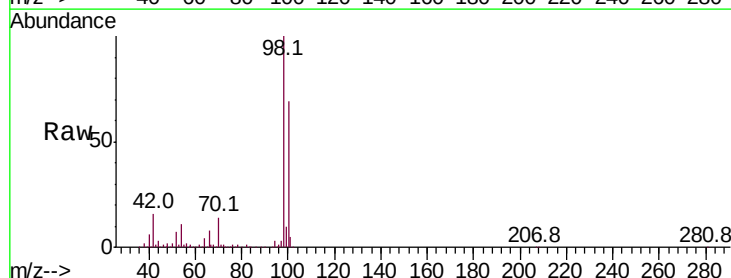
Acq: 23 Aug 2018 13:22

Tgt Ion: 98 Resp: 352170

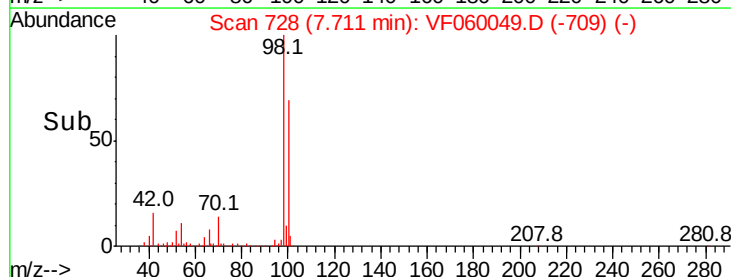
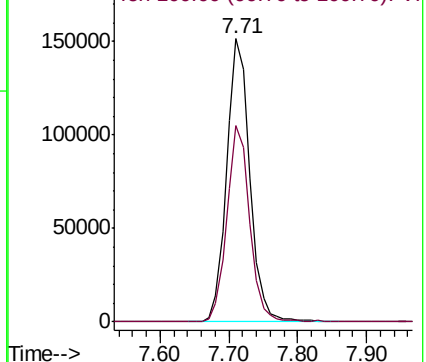
Ion Ratio Lower Upper

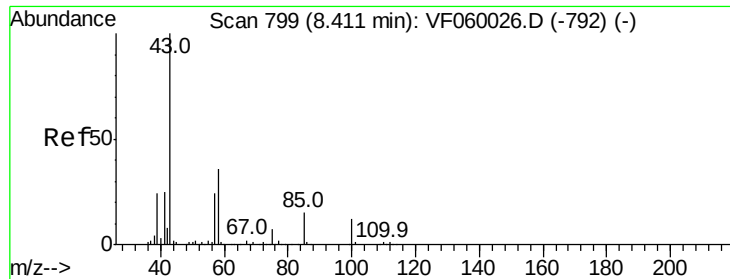
98 100

100 69.2 53.2 79.8



Abundance Ion 98.00 (97.70 to 98.70): VF0
Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 117.587 ug/l

RT: 8.41 min Scan# 799

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

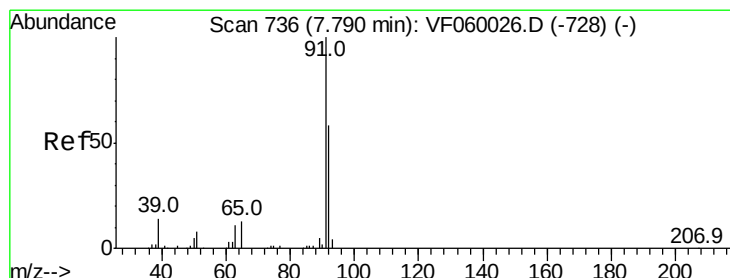
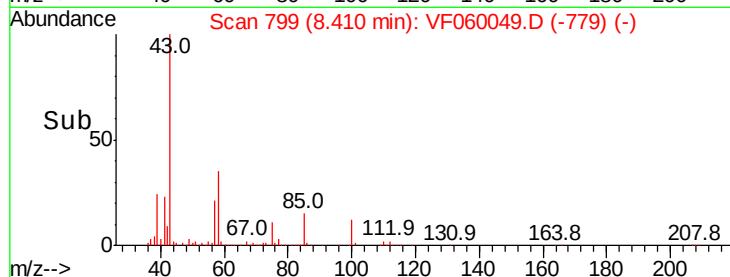
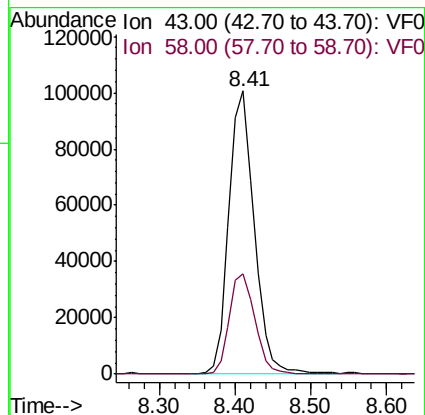
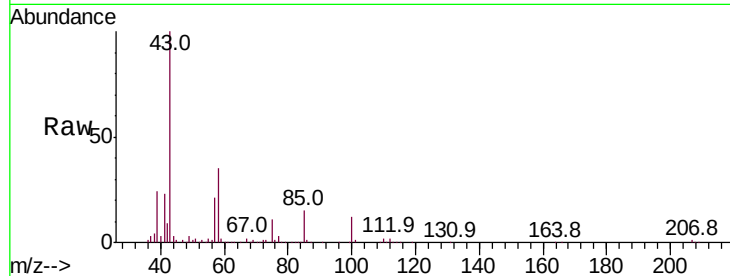
ClientSampleId :

Tot Ion: 43 Resp: 234080

Ion Ratio Lower Upper

43 100

58 35.3 28.6 42.8



#52

Toluene

Concen: 21.630 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060049.D

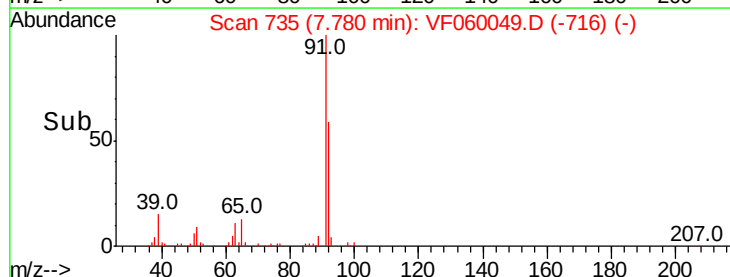
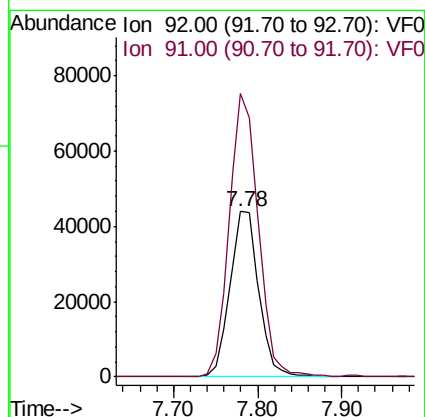
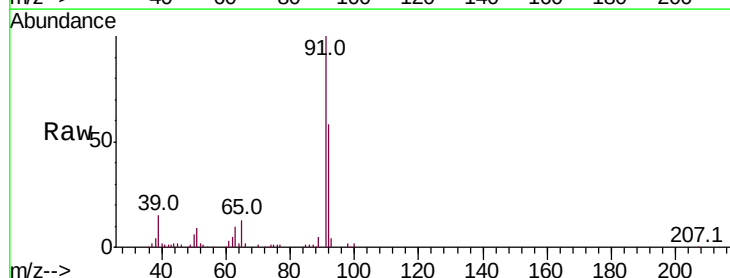
Acq: 23 Aug 2018 13:22

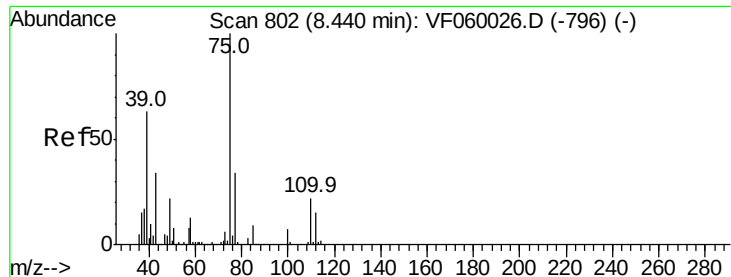
Tgt Ion: 92 Resp: 105072

Ion Ratio Lower Upper

92 100

91 171.2 137.7 206.5





#53

t-1,3-Dichloropropene

Concen: 21.586 ug/l

RT: 8.43 min Scan# 801

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

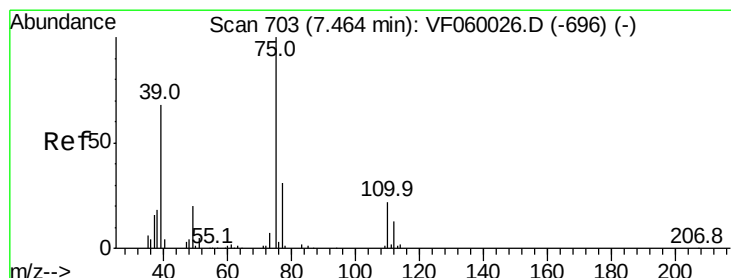
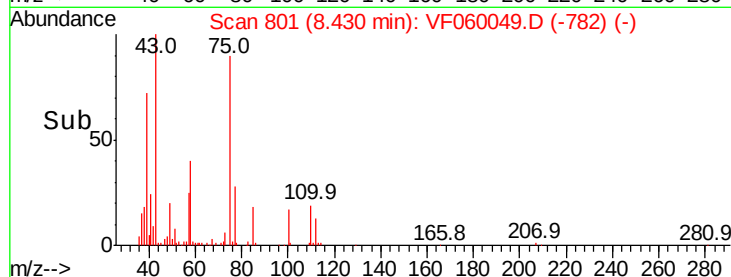
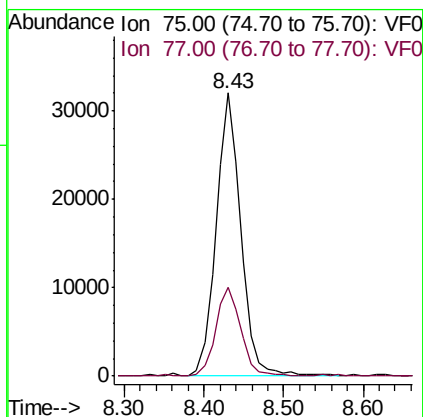
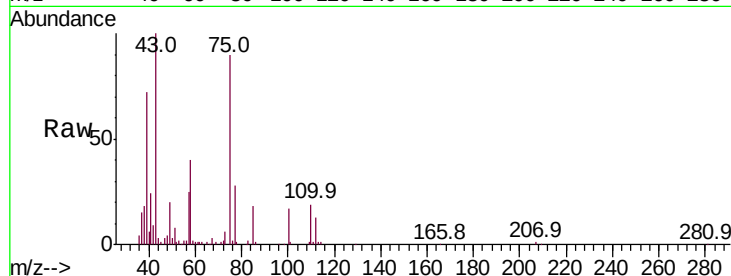
Instrument :
MSVOA_F
ClientSampleId :

Tot Ion: 75 Resp: 70011

Ion Ratio Lower Upper

75 100

77 31.5 27.4 41.2



#54

cis-1,3-Dichloropropene

Concen: 21.807 ug/l

RT: 7.46 min Scan# 703

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

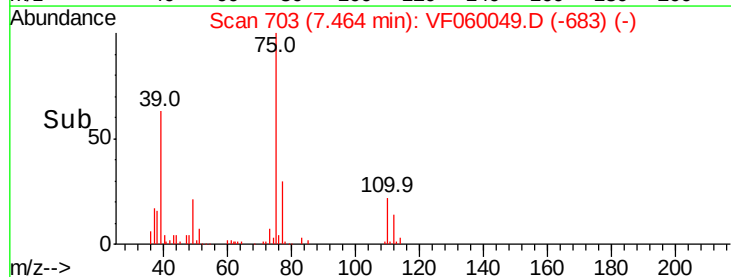
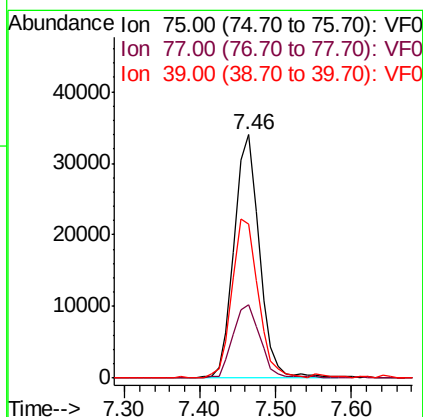
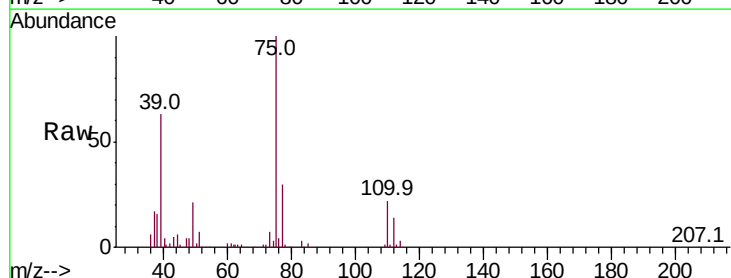
Tgt Ion: 75 Resp: 78939

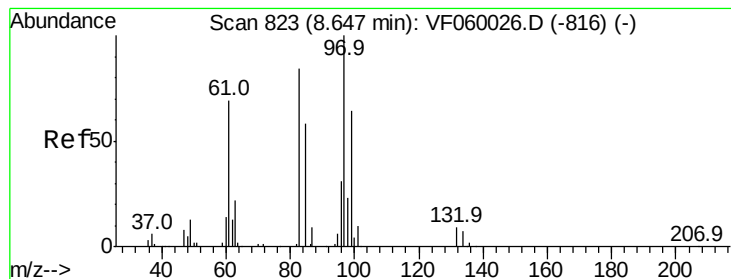
Ion Ratio Lower Upper

75 100

77 30.1 24.6 37.0

39 63.3 54.6 81.8





#55

1,1,2-Trichloroethane

Concen: 22.099 ug/l

RT: 8.64 min Scan# 822

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampled :

Tot Ion: 97 Resp: 39892

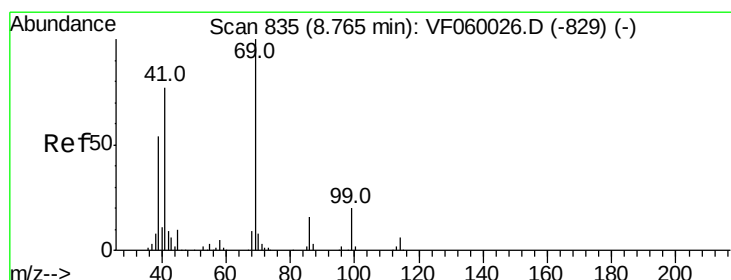
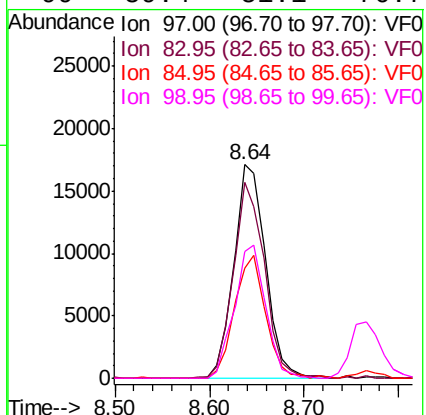
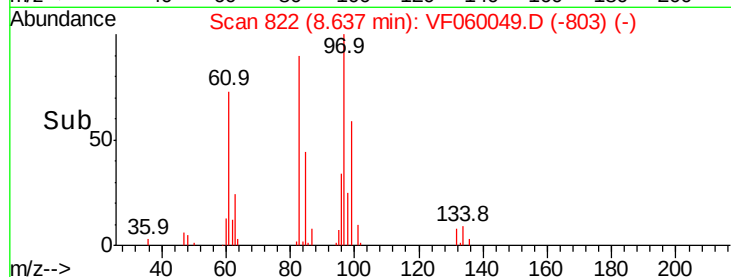
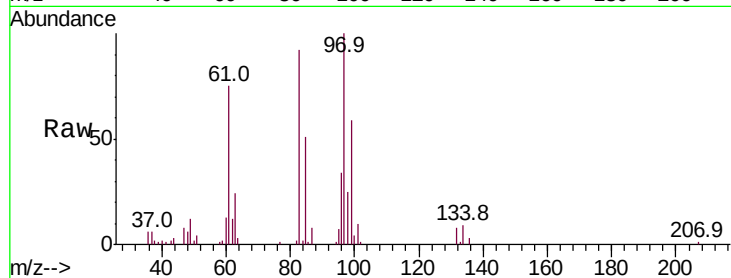
Ion	Ratio	Lower	Upper
97	100		
83	92.0	67.4	101.2
85	51.4	46.2	69.2
99	59.4	51.1	76.7

97 100

83 92.0 67.4 101.2

85 51.4 46.2 69.2

99 59.4 51.1 76.7



#56

Ethyl methacrylate

Concen: 21.793 ug/l

RT: 8.77 min Scan# 835

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

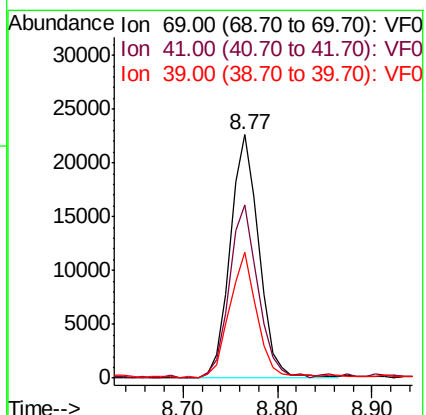
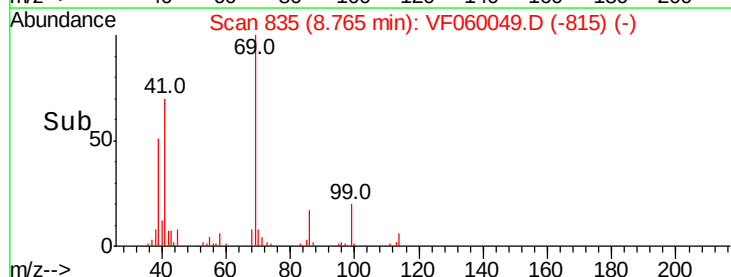
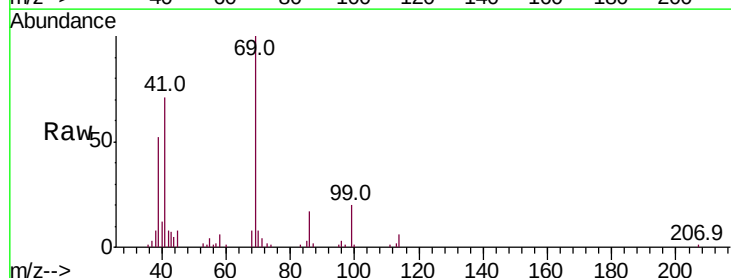
Tgt Ion: 69 Resp: 47618

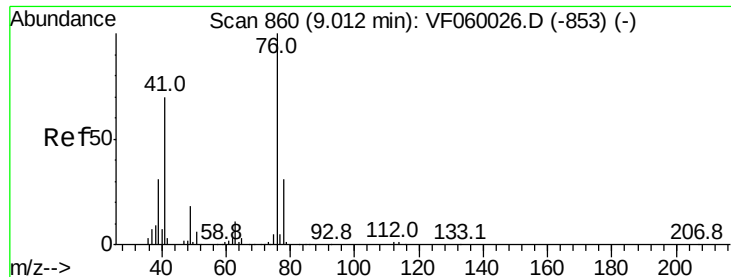
Ion	Ratio	Lower	Upper
69	100		
41	71.0	61.6	92.4
39	51.5	43.9	65.9

69 100

41 71.0 61.6 92.4

39 51.5 43.9 65.9





#57

1,3-Dichloropropane

Concen: 22.483 ug/l

RT: 9.00 min Scan# 859

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

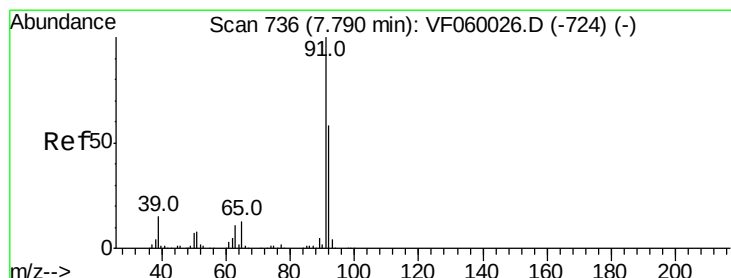
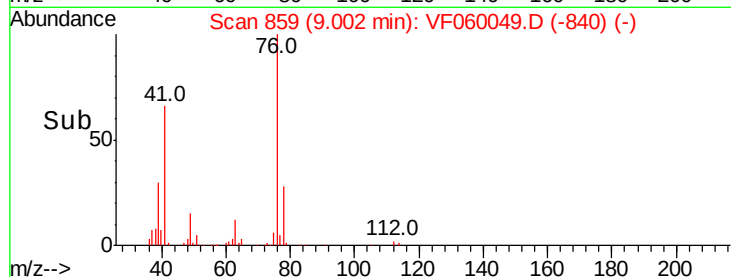
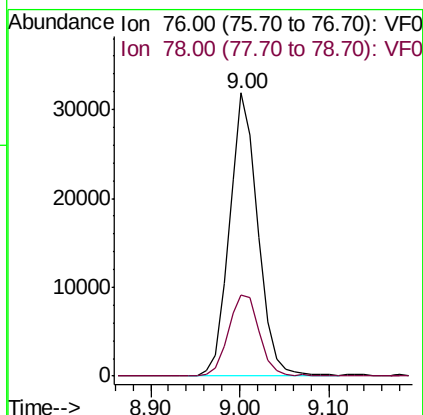
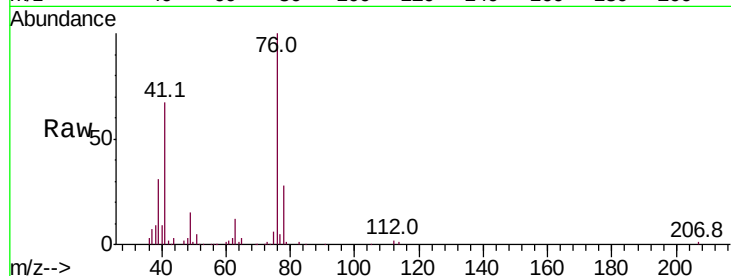
ClientSampleId :

Tot Ion: 76 Resp: 71335

Ion Ratio Lower Upper

76 100

78 28.5 25.2 37.8



#58

2-Chloroethyl Vinyl ether

Concen: 97.996 ug/l

RT: 7.78 min Scan# 735

Delta R.T. -0.01 min

Lab File: VF060049.D

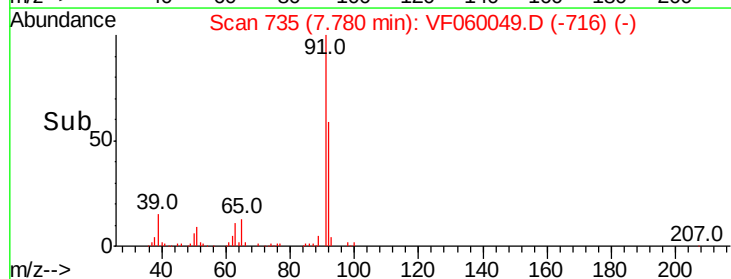
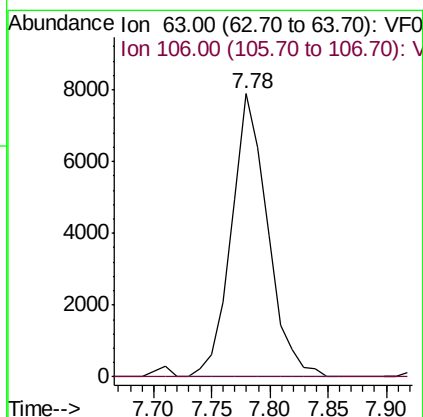
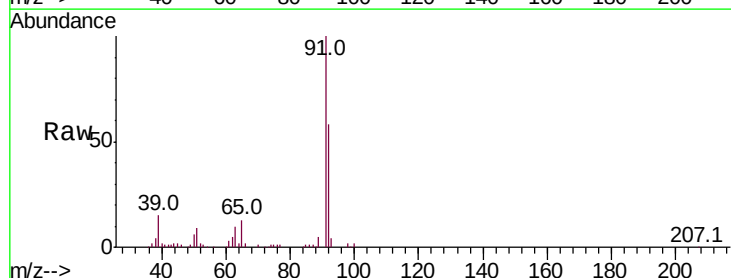
Acq: 23 Aug 2018 13:22

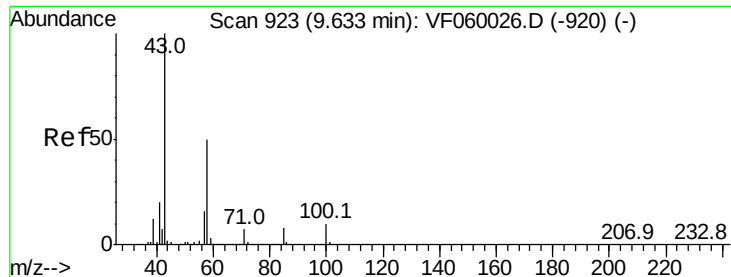
Tgt Ion: 63 Resp: 16996

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

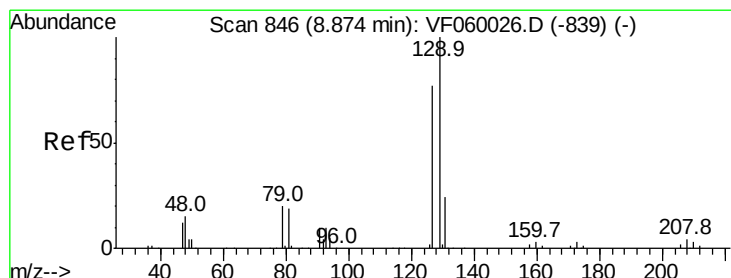
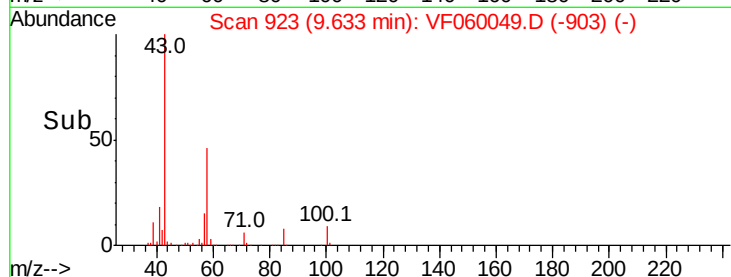
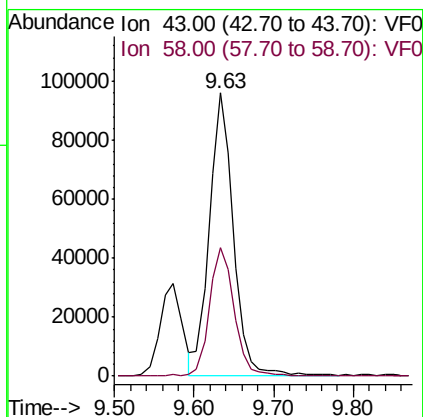
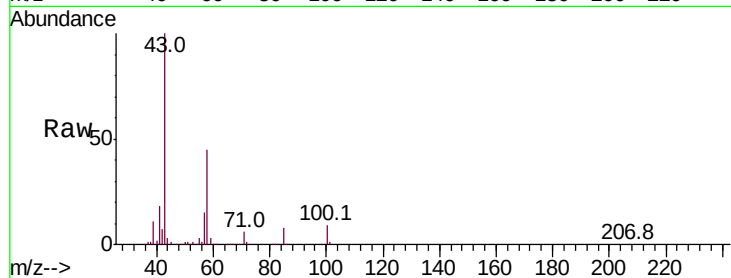




#59
2-Hexanone
Concen: 125.233 ug/l
RT: 9.63 min Scan# 923
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

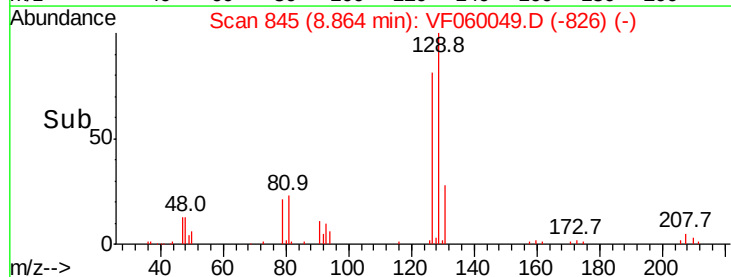
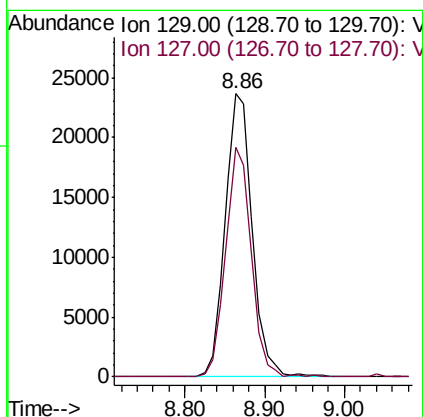
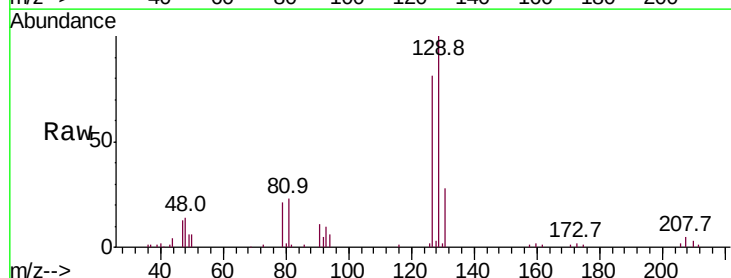
Instrument :
MSVOA_F
ClientSampleId :

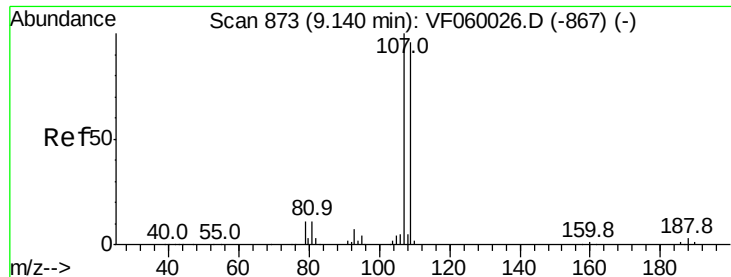
Tot Ion: 43 Resp: 201775
Ion Ratio Lower Upper
43 100
58 45.5 23.4 70.2



#60
Dibromochloromethane
Concen: 21.212 ug/l
RT: 8.86 min Scan# 845
Delta R.T. -0.01 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion: 129 Resp: 56524
Ion Ratio Lower Upper
129 100
127 81.1 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.362 ug/l

RT: 9.14 min Scan# 873

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

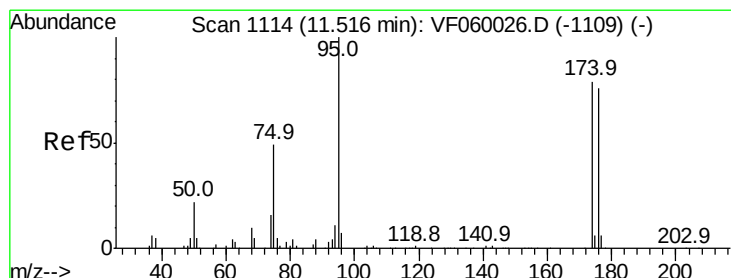
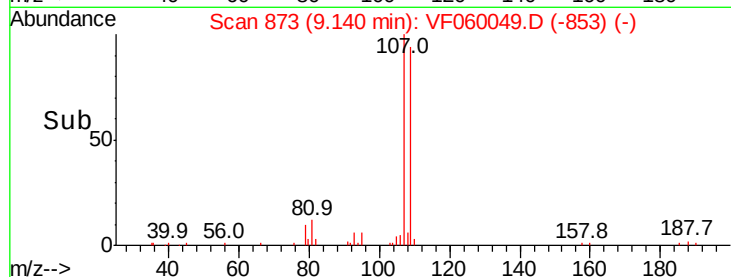
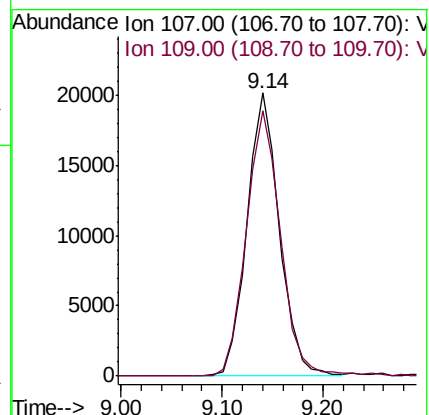
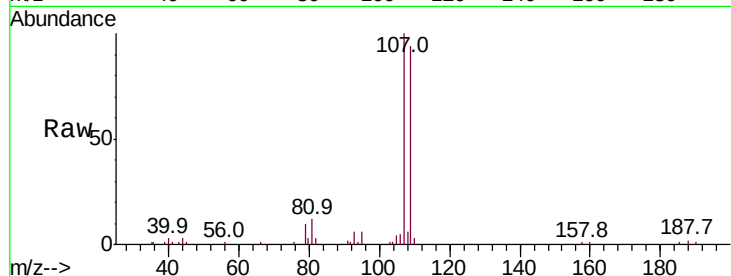
ClientSampleId :

Tot Ion:107 Resp: 45286

Ion Ratio Lower Upper

107 100

109 93.8 76.5 114.7



#62

4-Bromofluorobenzene

Concen: 50.233 ug/l

RT: 11.52 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

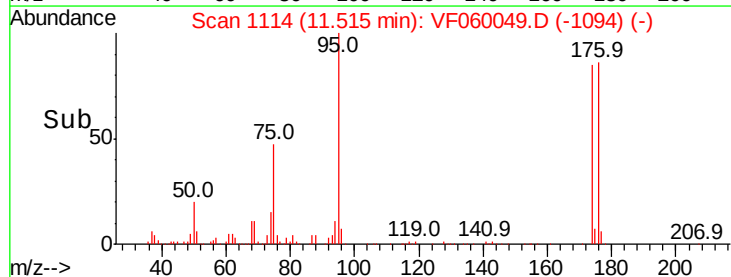
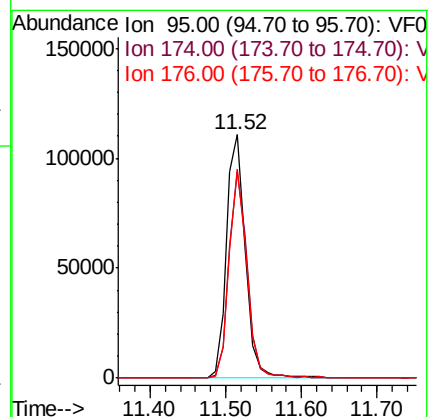
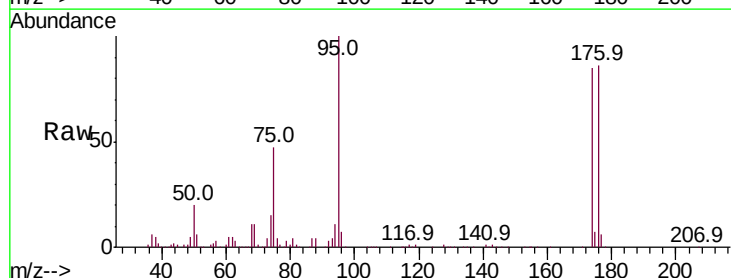
Tgt Ion: 95 Resp: 193128

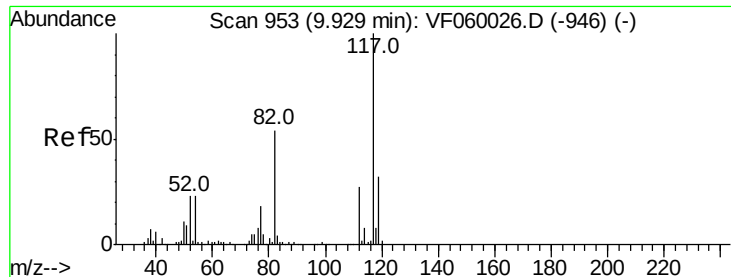
Ion Ratio Lower Upper

95 100

174 84.6 0.0 158.4

176 86.0 0.0 153.0

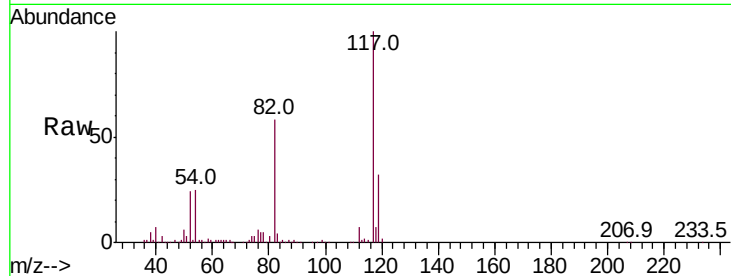




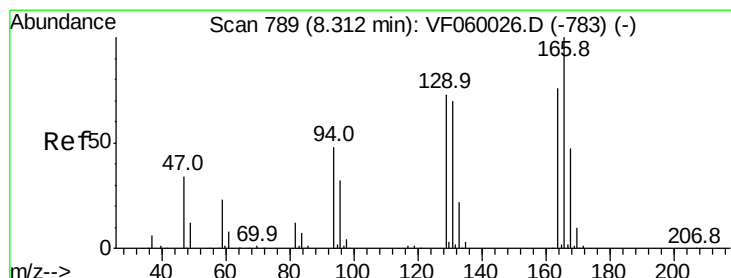
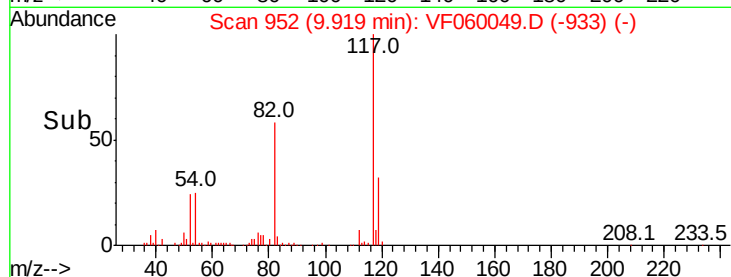
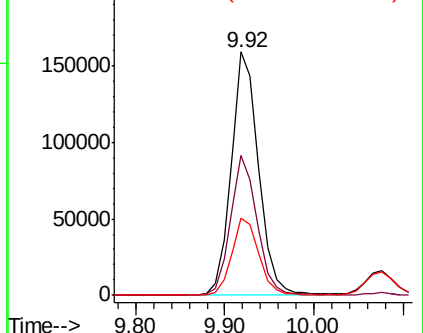
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.92 min Scan# 952
Delta R.T. -0.01 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:117 Resp: 343145
Ion Ratio Lower Upper
117 100
82 57.7 43.6 65.4
119 31.5 25.6 38.4

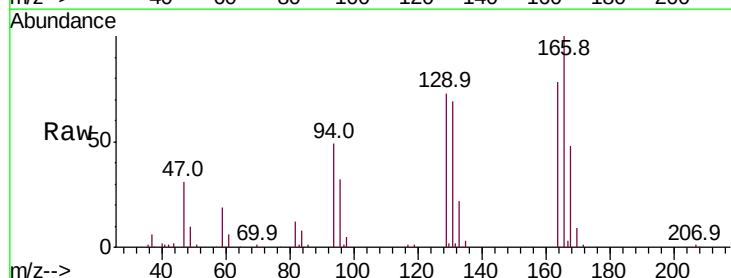


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

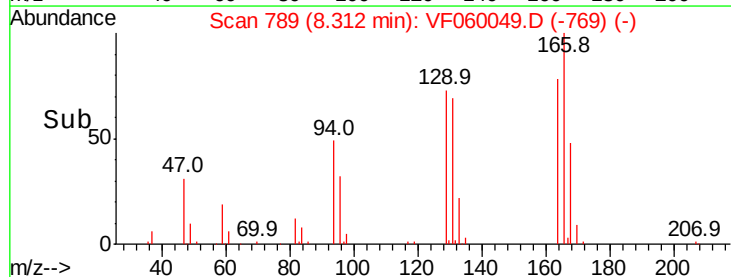
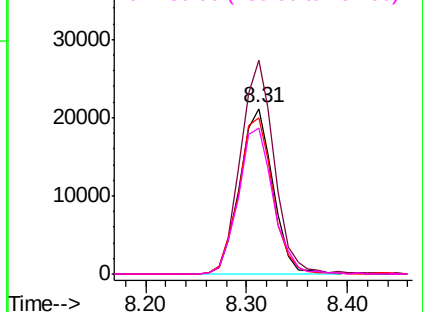


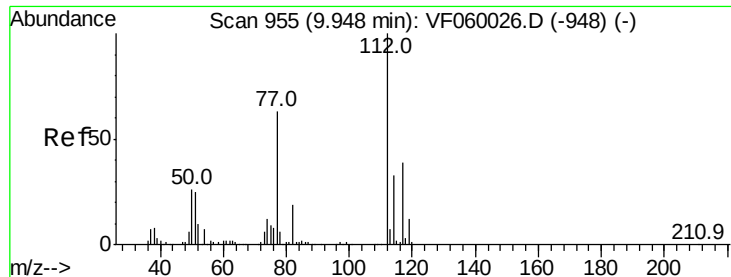
#64
Tetrachloroethene
Concen: 20.996 ug/l
RT: 8.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion:164 Resp: 48534
Ion Ratio Lower Upper
164 100
166 129.0 104.7 157.1
129 94.3 77.0 115.4
131 88.4 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

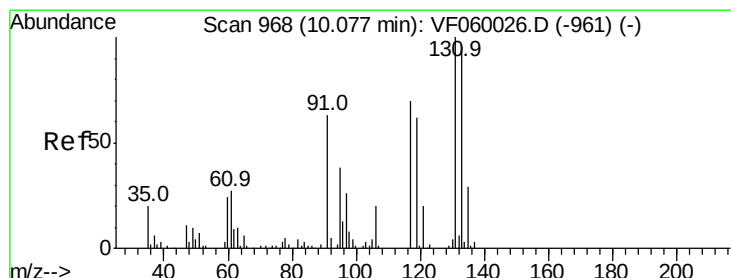
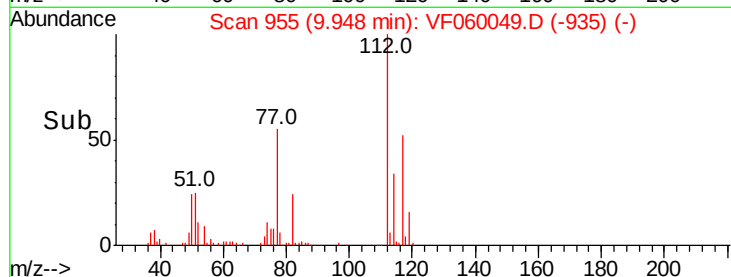
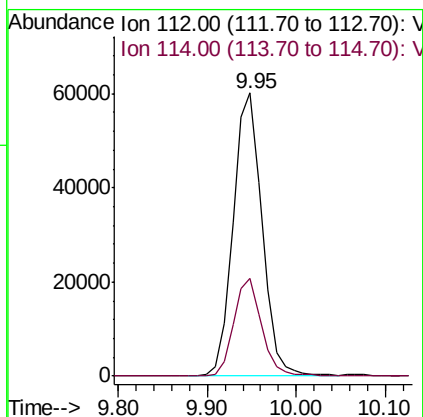
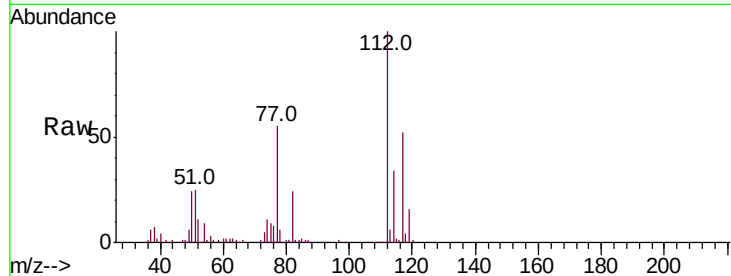




#65
Chlorobenzene
Concen: 21.109 ug/l
RT: 9.95 min Scan# 955
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

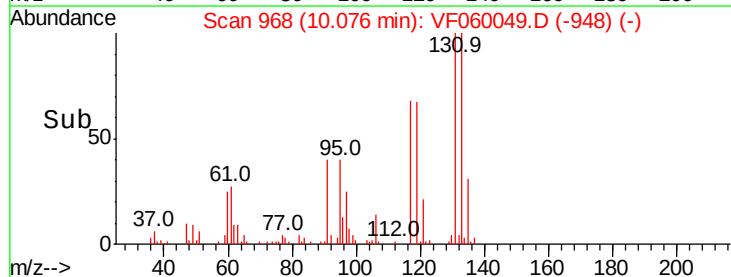
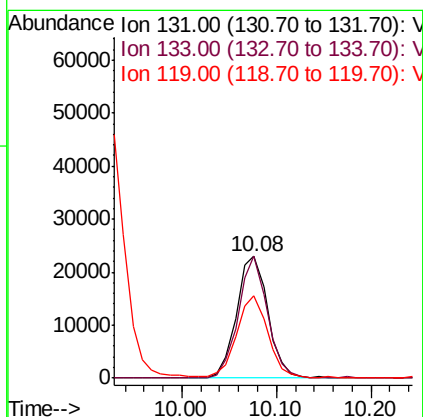
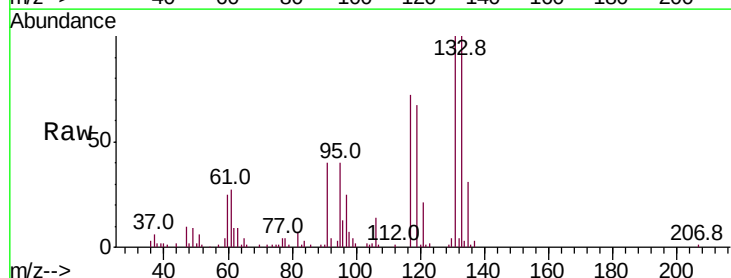
Instrument :
MSVOA_F
ClientSampleId :

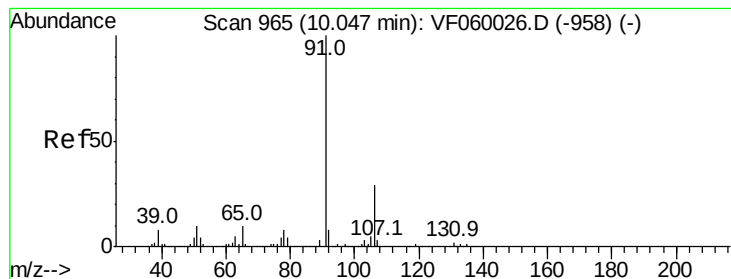
Tot Ion:112 Resp: 136779
Ion Ratio Lower Upper
112 100
114 34.4 26.2 39.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.367 ug/l
RT: 10.08 min Scan# 968
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion:131 Resp: 52511
Ion Ratio Lower Upper
131 100
133 100.3 48.2 144.6
119 67.3 31.4 94.2





#67

Ethyl Benzene

Concen: 22.265 ug/l

RT: 10.05 min Scan# 965

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

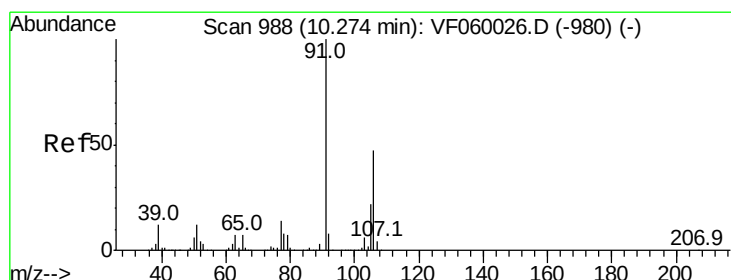
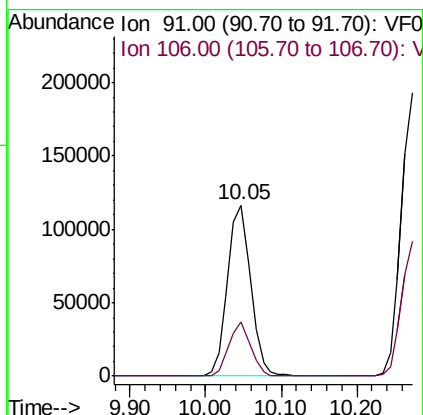
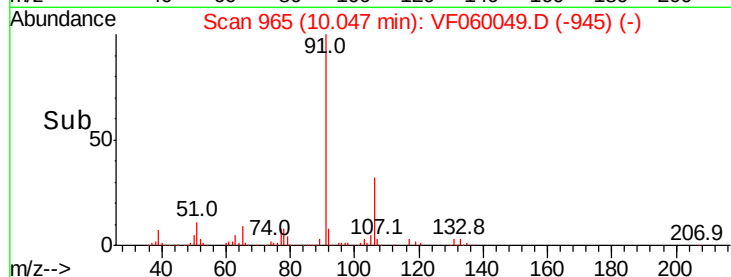
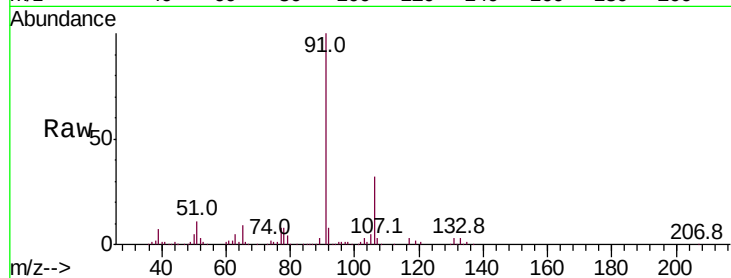
Instrument :
MSVOA_F
ClientSampled :

Tot Ion: 91 Resp: 248933

Ion Ratio Lower Upper

91 100

106 32.1 23.6 35.4



#68

m/p-Xylenes

Concen: 45.671 ug/l

RT: 10.27 min Scan# 988

Delta R.T. 0.00 min

Lab File: VF060049.D

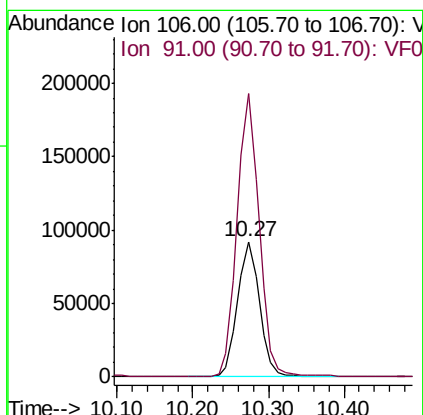
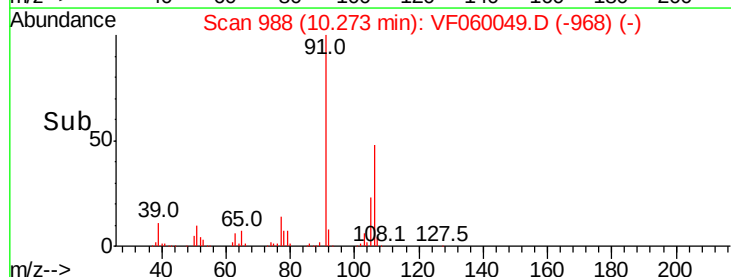
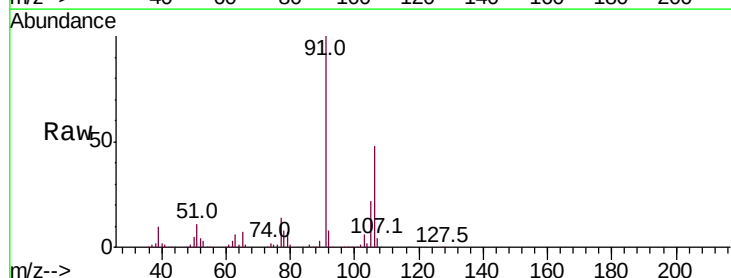
Acq: 23 Aug 2018 13:22

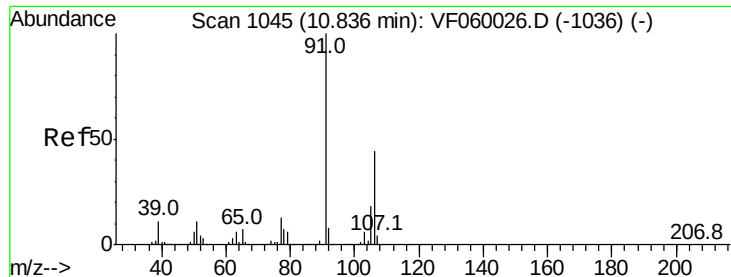
Tgt Ion:106 Resp: 185830

Ion Ratio Lower Upper

106 100

91 209.1 171.8 257.8

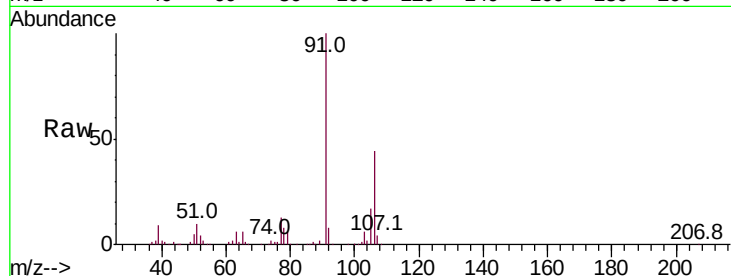




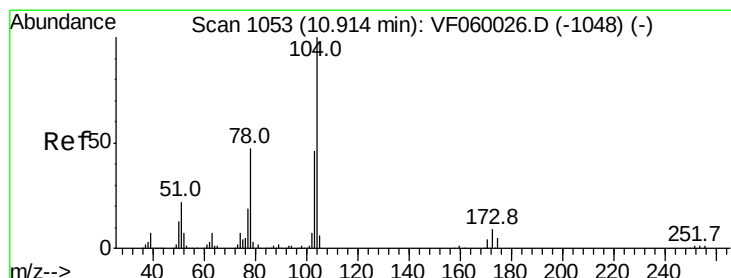
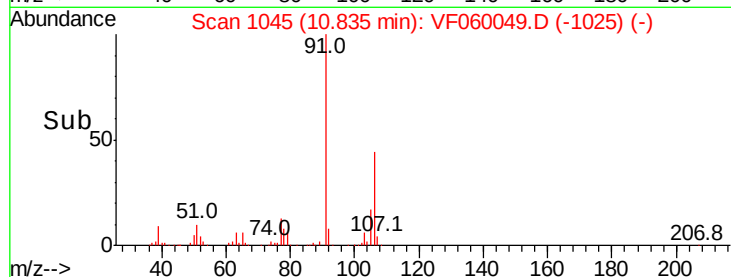
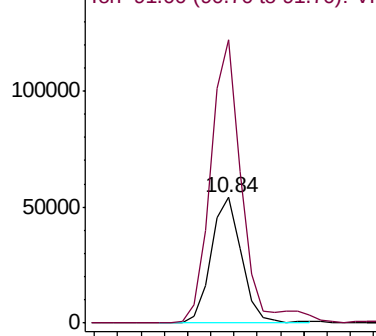
#69
o-Xylene
Concen: 22.440 ug/l
RT: 10.84 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Instrument :
MSVOA_F
ClientSampled :

Tot Ion:106 Resp: 98292
Ion Ratio Lower Upper
106 100
91 225.2 112.5 337.5

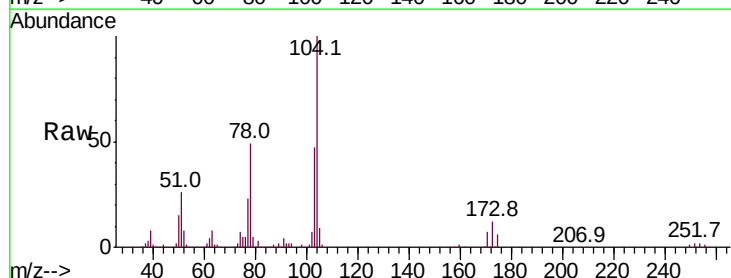


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

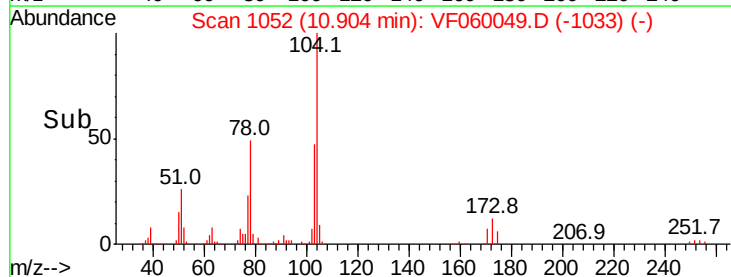
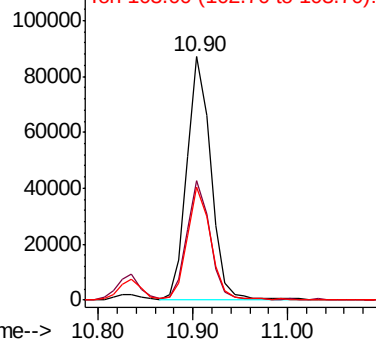


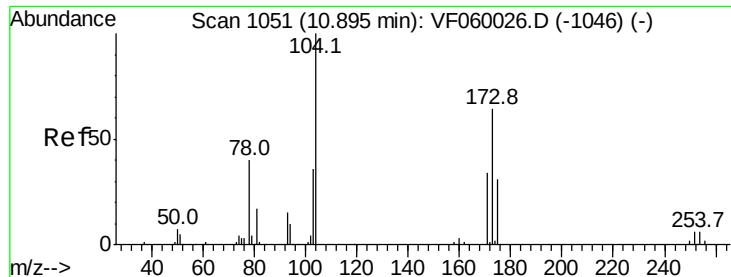
#70
Styrene
Concen: 22.845 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion:104 Resp: 153527
Ion Ratio Lower Upper
104 100
78 49.1 38.0 57.0
103 46.6 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: 20.871 ug/l

RT: 10.89 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

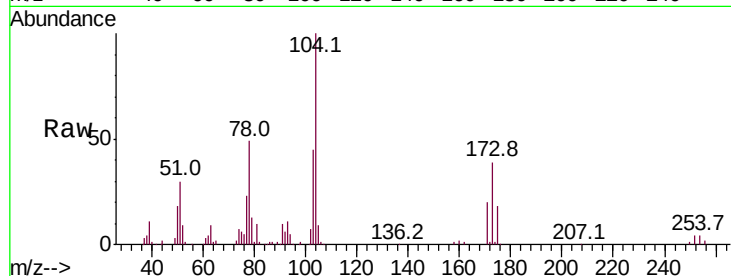
Tot Ion:173 Resp: 35786

Ion Ratio Lower Upper

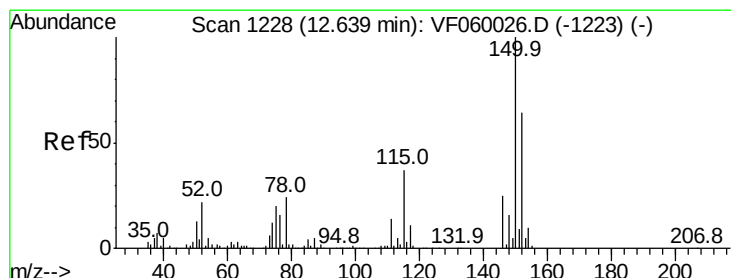
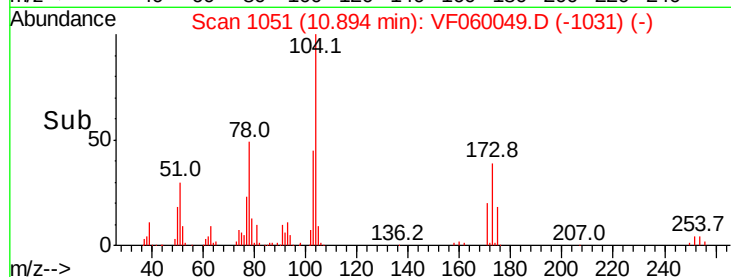
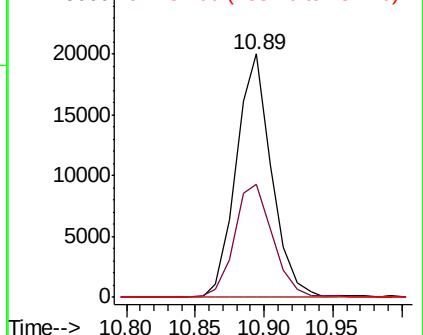
173 100

175 46.4 24.7 74.1

254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

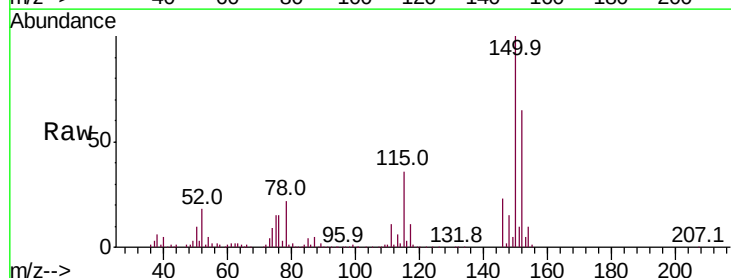
Tgt Ion:152 Resp: 208267

Ion Ratio Lower Upper

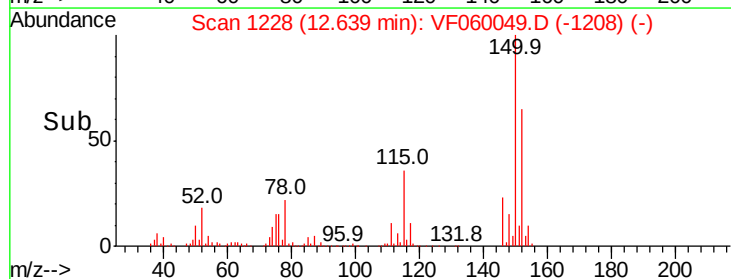
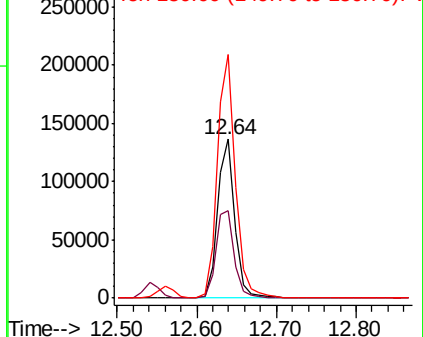
152 100

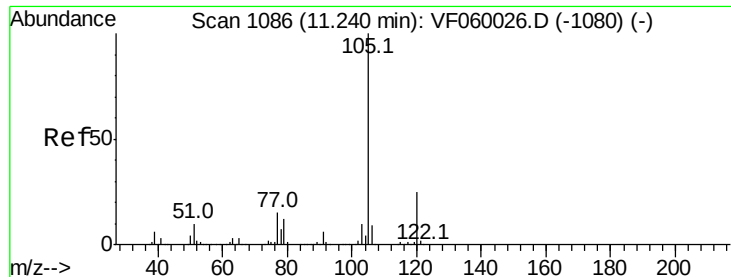
115 55.2 28.6 85.9

150 153.3 0.0 312.0



Abundance Ion 152.00 (151.70 to 152.70): V
Ion 115.00 (114.70 to 115.70): V
Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 22.348 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

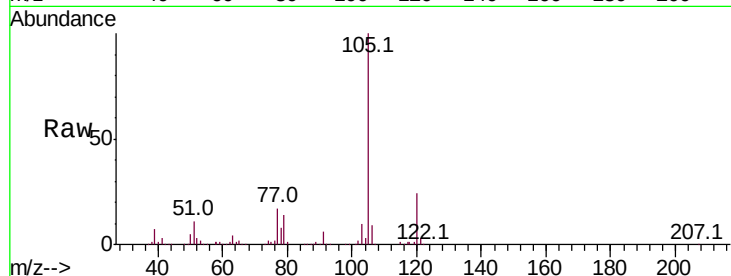
ClientSampleId :

Tot Ion:105 Resp: 280160

Ion Ratio Lower Upper

105 100

120 24.1 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.23

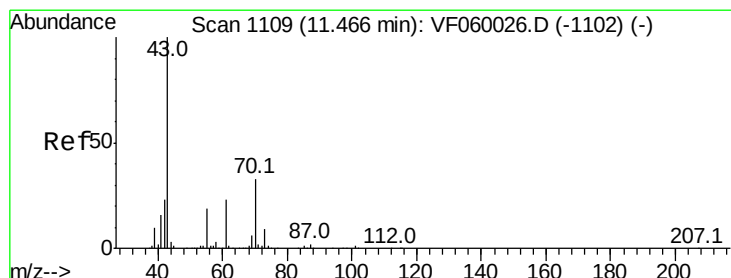
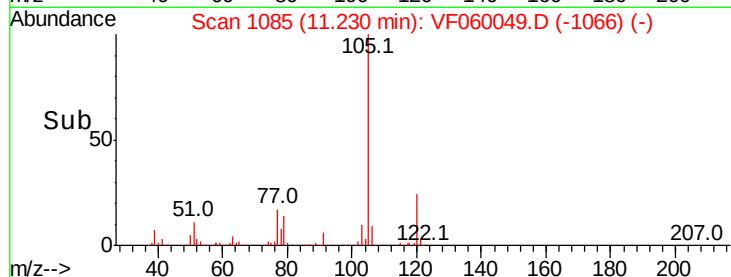
150000

100000

50000

0

Time--> 11.10 11.20 11.30 11.40



#74

N-amyl acetate

Concen: 22.819 ug/l

RT: 11.47 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Tgt Ion: 43 Resp: 88918

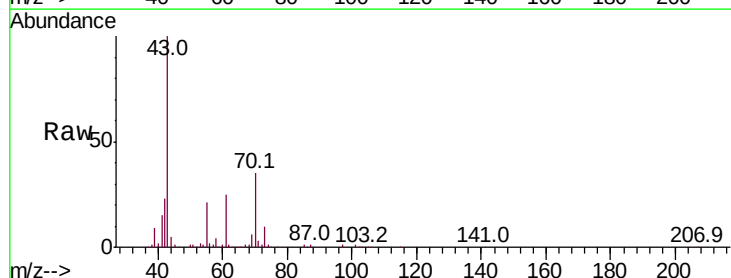
Ion Ratio Lower Upper

43 100

70 35.2 26.4 39.6

55 21.1 15.0 22.4

61 25.2 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

80000

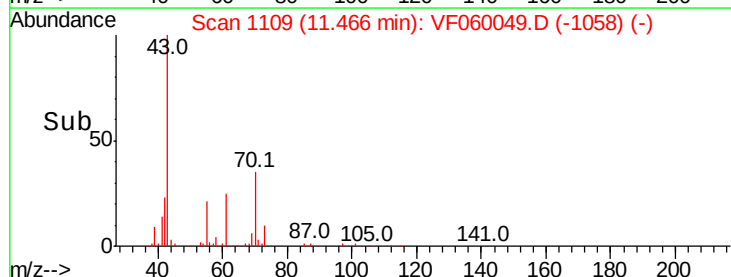
60000

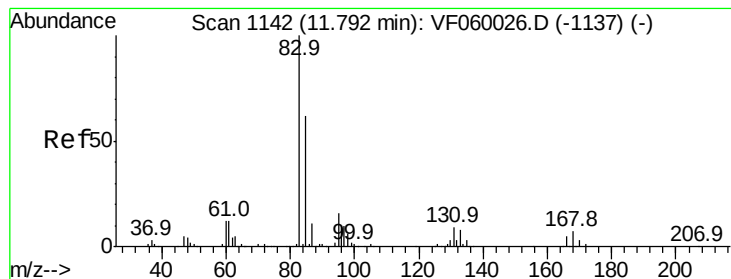
40000

20000

0

Time--> 11.30 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 22.515 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampled :

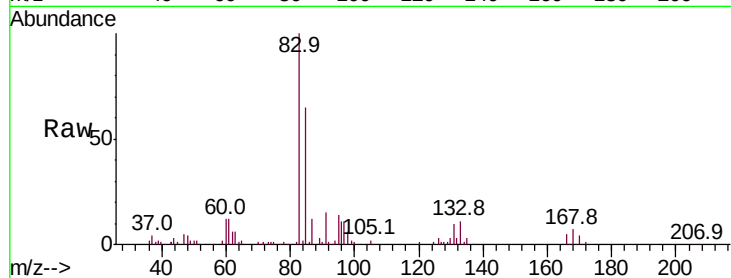
Tot Ion: 83 Resp: 61644

Ion Ratio Lower Upper

83 100

131 9.9 4.5 13.7

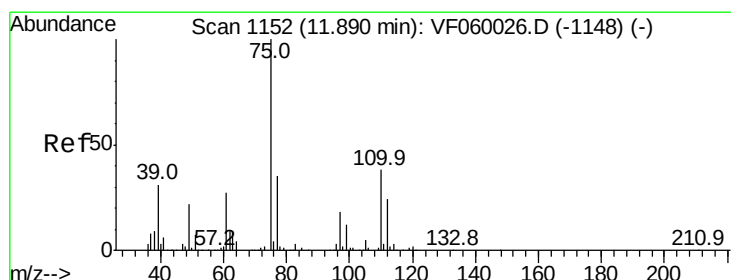
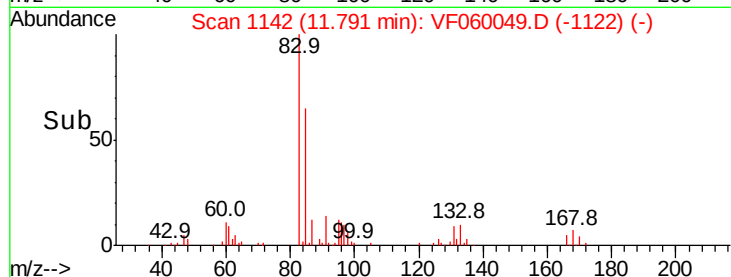
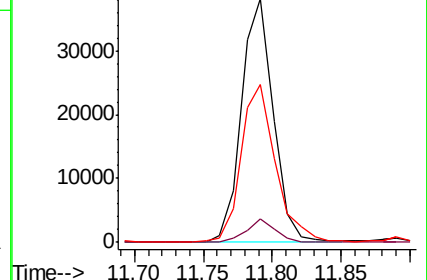
85 65.0 31.3 93.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 21.837 ug/l

RT: 11.89 min Scan# 1152

Delta R.T. -0.00 min

Lab File: VF060049.D

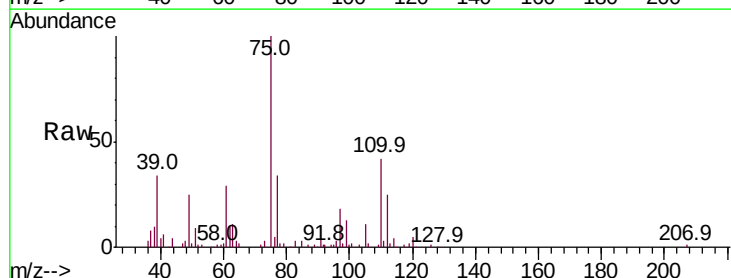
Acq: 23 Aug 2018 13:22

Tgt Ion: 75 Resp: 46364

Ion Ratio Lower Upper

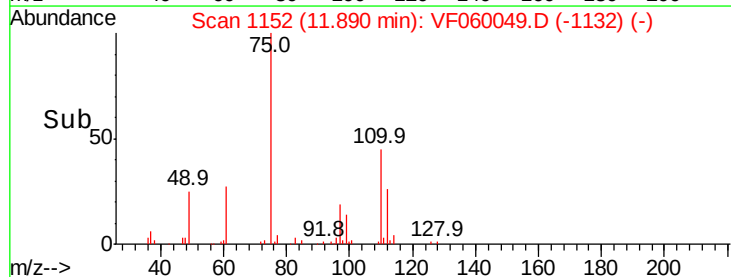
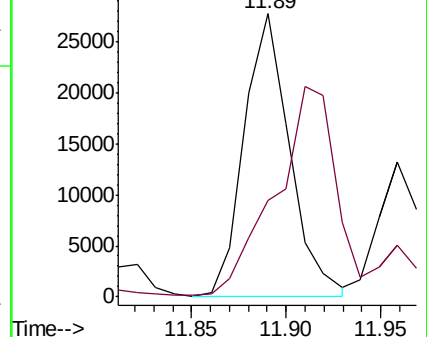
75 100

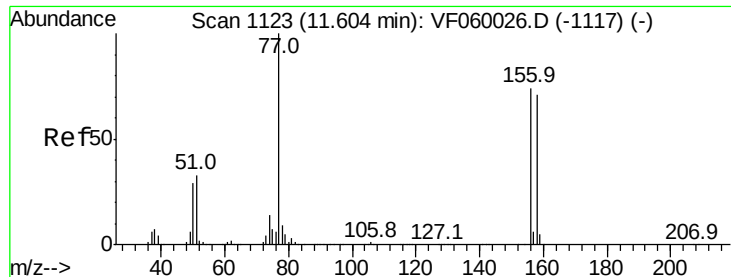
77 34.0 17.3 52.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 21.537 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

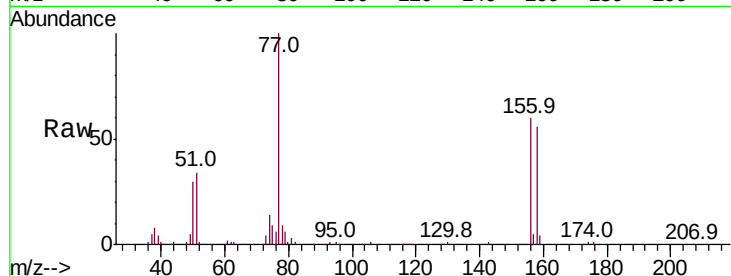
Tot Ion:156 Resp: 73426

Ion Ratio Lower Upper

156 100

77 167.5 68.0 204.0

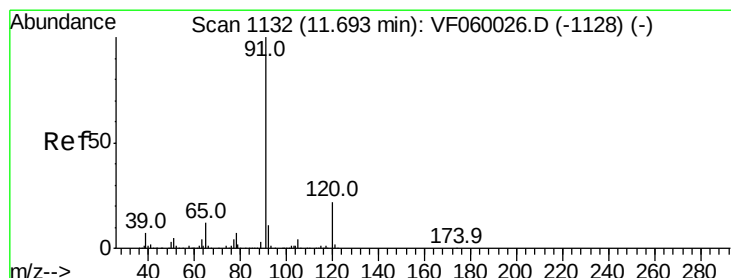
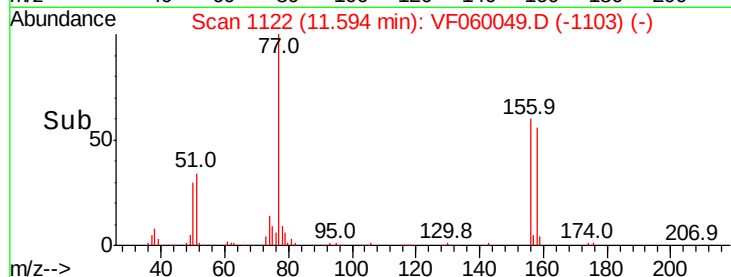
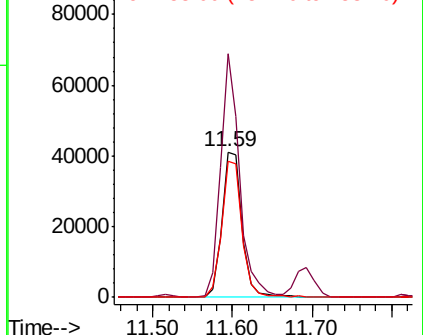
158 93.7 48.4 145.3



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: 22.565 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF060049.D

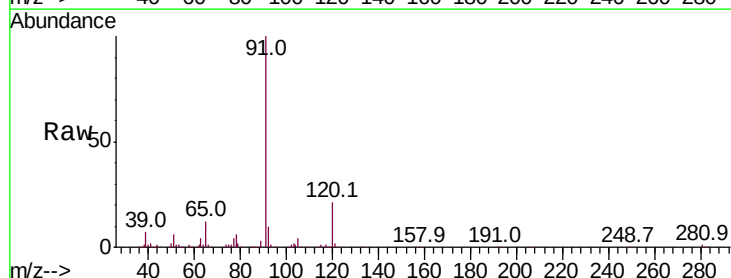
Acq: 23 Aug 2018 13:22

Tgt Ion: 91 Resp: 349145

Ion Ratio Lower Upper

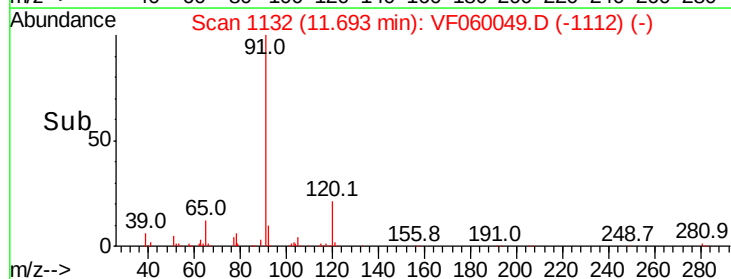
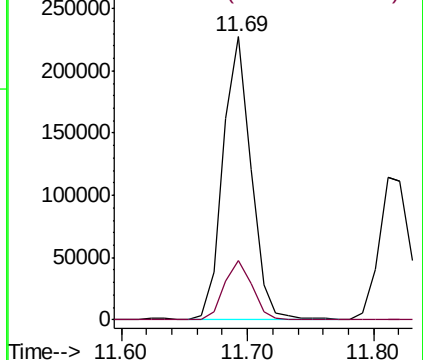
91 100

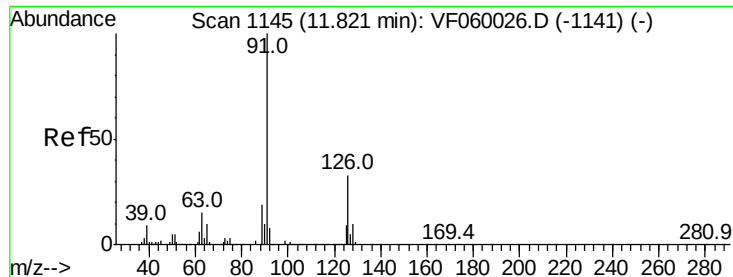
120 21.1 10.9 32.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.417 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. -0.01 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

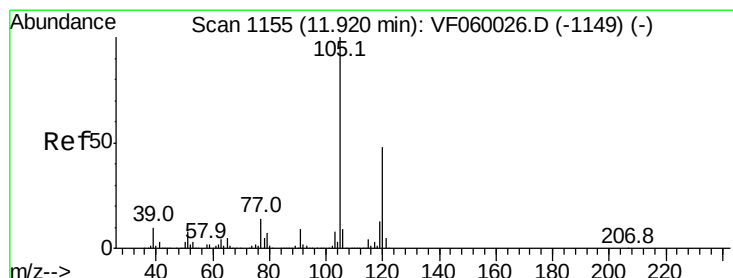
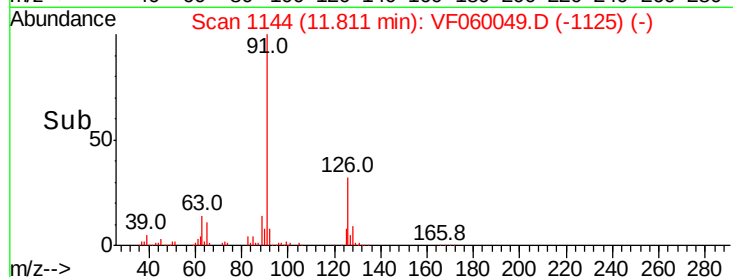
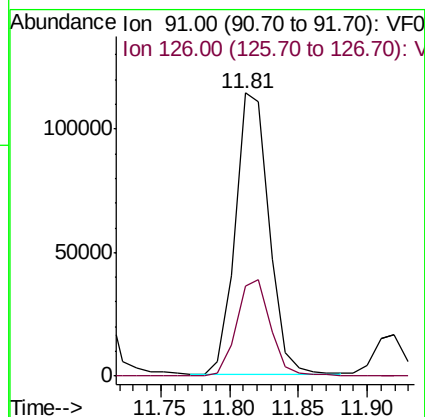
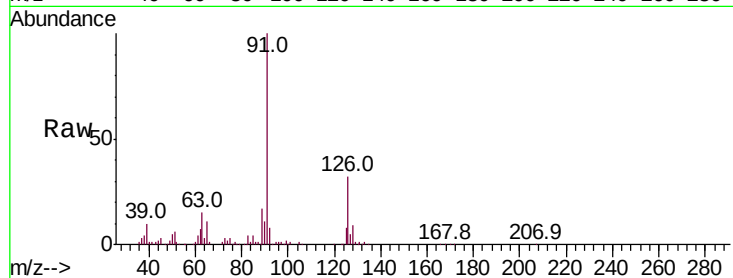
ClientSampleId :

Tot Ion: 91 Resp: 194864

Ion Ratio Lower Upper

91 100

126 31.9 16.6 49.7



#80

1,3,5-Trimethylbenzene

Concen: 22.639 ug/l

RT: 11.92 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VF060049.D

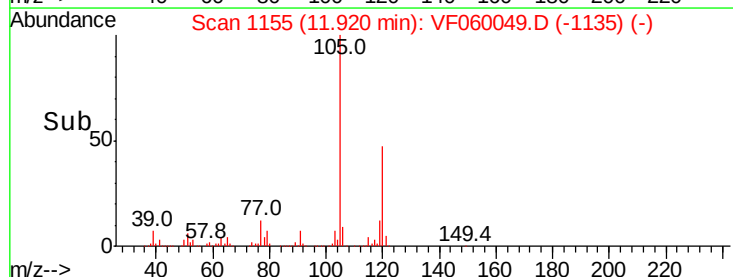
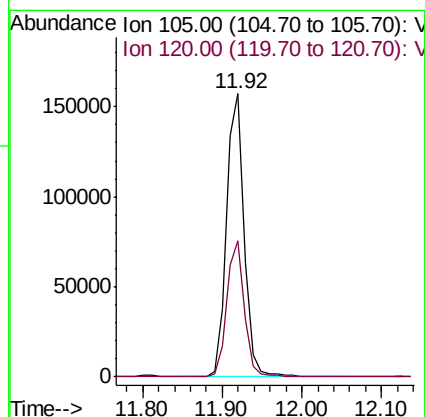
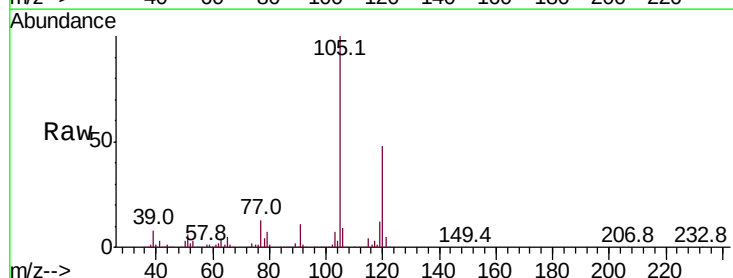
Acq: 23 Aug 2018 13:22

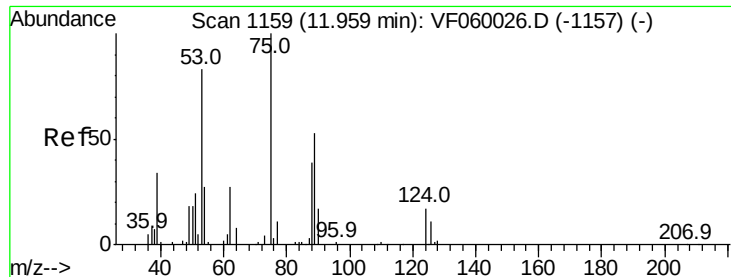
Tgt Ion:105 Resp: 247259

Ion Ratio Lower Upper

105 100

120 48.2 23.8 71.5

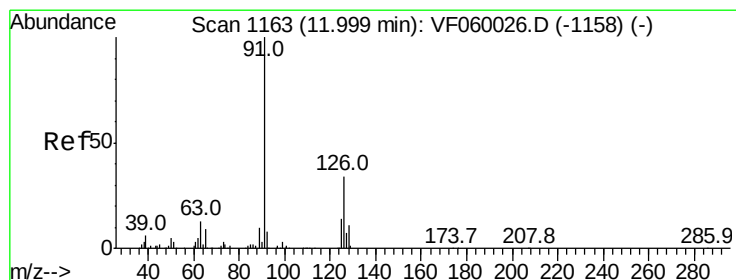
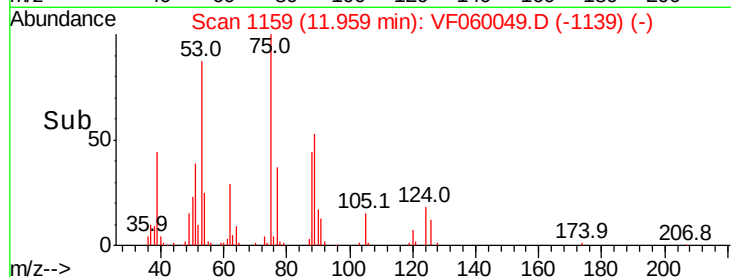
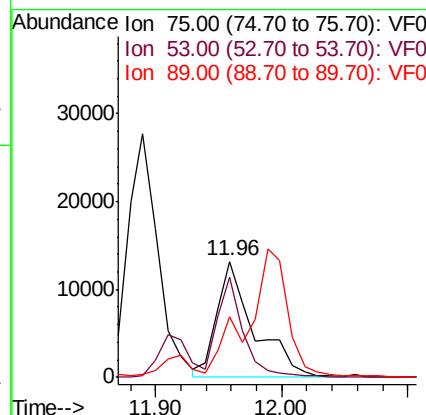
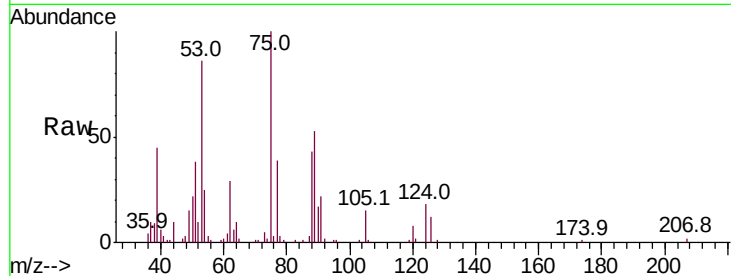




#81
trans-1,4-Dichloro-2-butene
Concen: 28.051 ug/l
RT: 11.96 min Scan# 1159
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

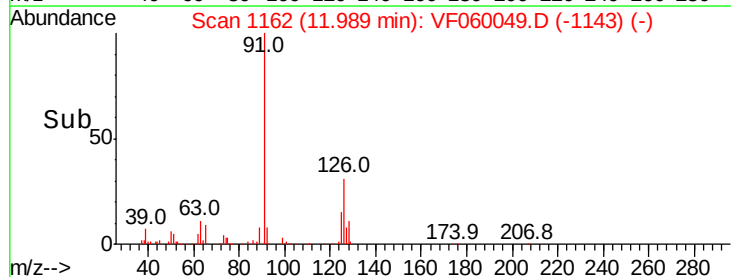
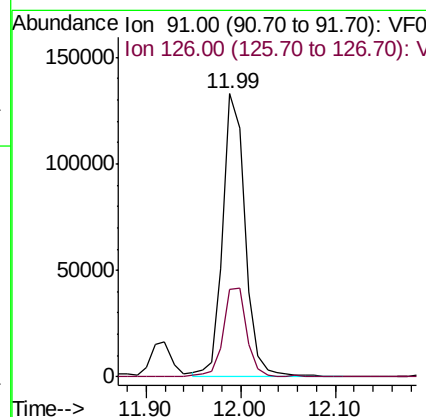
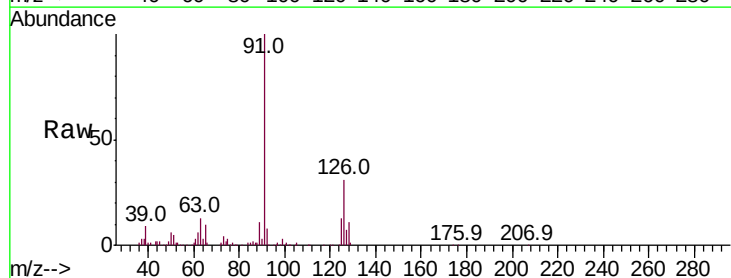
Instrument :
MSVOA_F
ClientSampled :

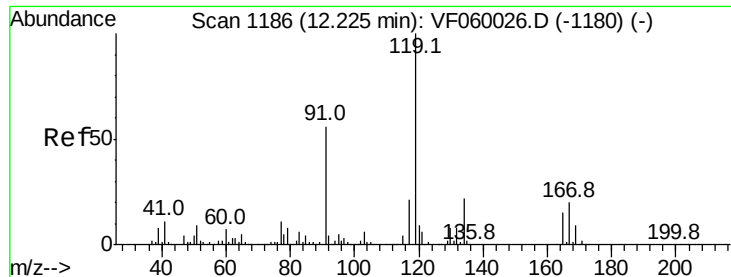
Tot Ion: 75 Resp: 27250
Ion Ratio Lower Upper
75 100
53 86.3 66.2 99.4
89 52.7 42.8 64.2



#82
4-Chlorotoluene
Concen: 21.848 ug/l
RT: 11.99 min Scan# 1162
Delta R.T. -0.01 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion: 91 Resp: 215813
Ion Ratio Lower Upper
91 100
126 31.1 17.0 50.9

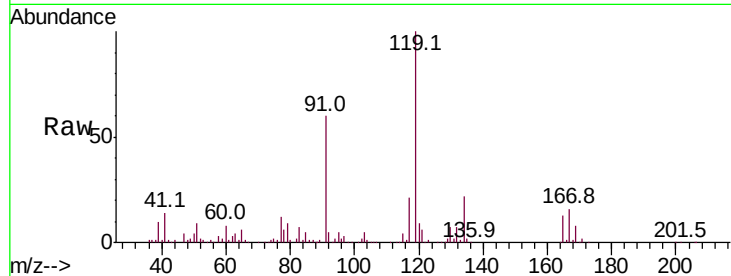




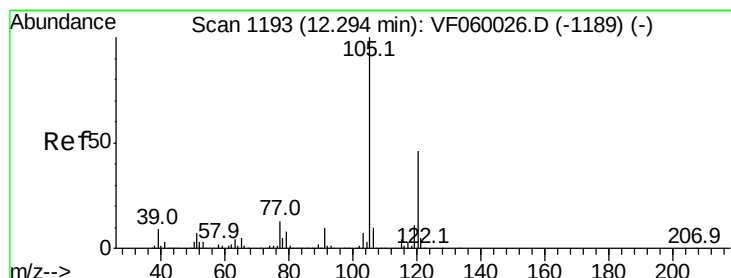
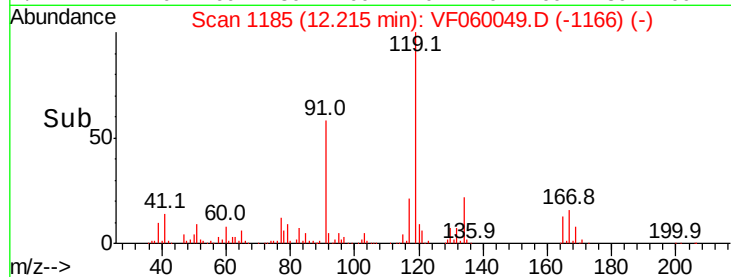
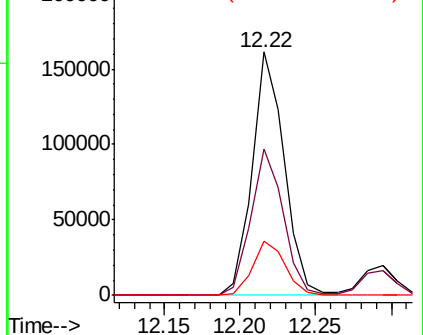
#83
tert-Butylbenzene
Concen: 22.485 ug/l
RT: 12.22 min Scan# 1185
Delta R.T. -0.01 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:119 Resp: 239526
Ion Ratio Lower Upper
119 100
91 60.2 28.1 84.3
134 22.3 11.1 33.3

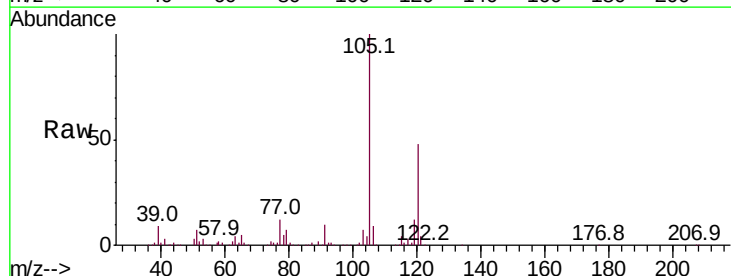


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

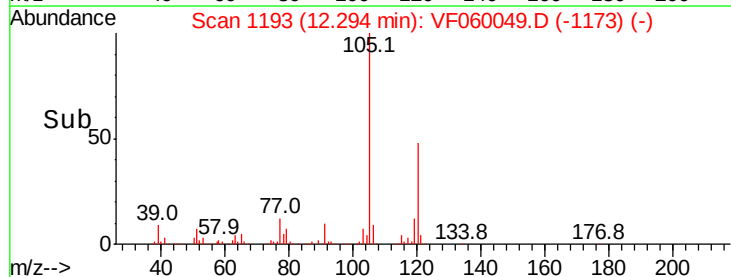
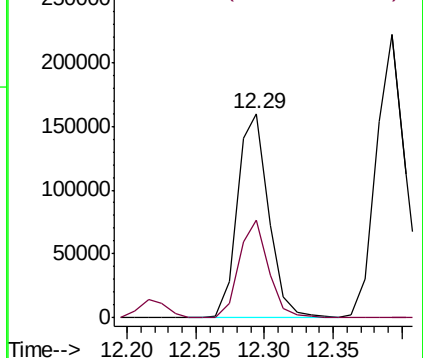


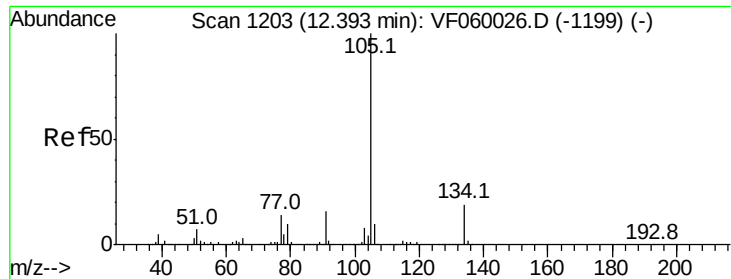
#84
1,2,4-Trimethylbenzene
Concen: 21.707 ug/l
RT: 12.29 min Scan# 1193
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion:105 Resp: 252045
Ion Ratio Lower Upper
105 100
120 48.0 23.3 69.8



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

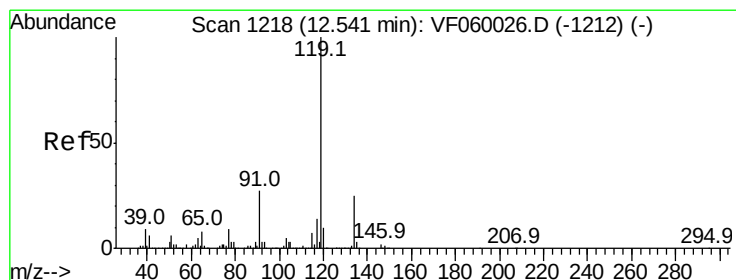
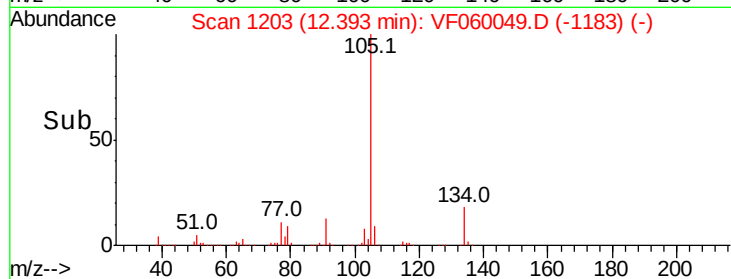
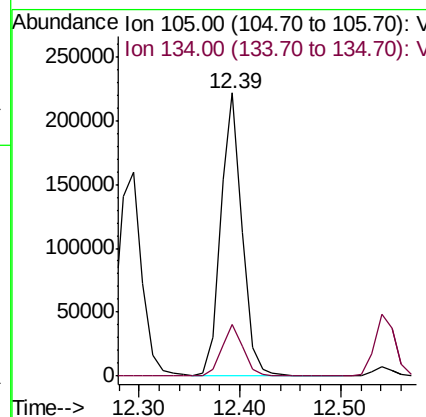
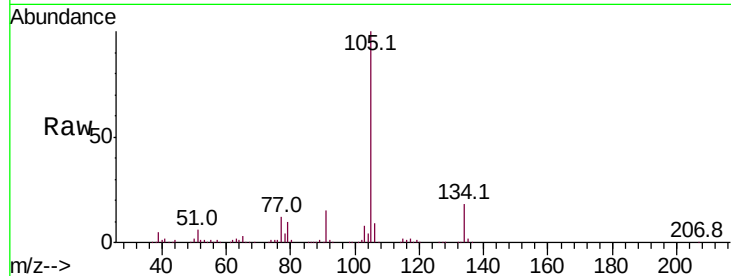




#85
 sec-Butylbenzene
 Concen: 22.046 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

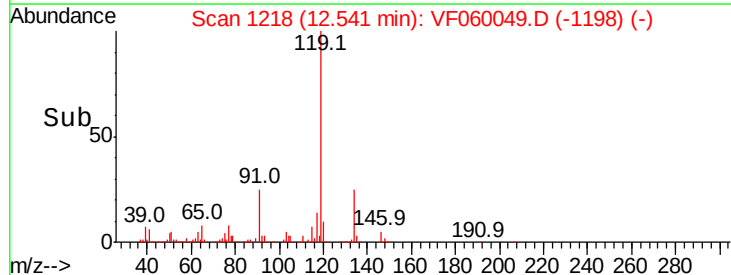
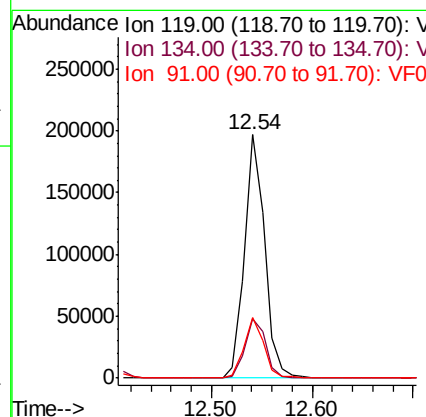
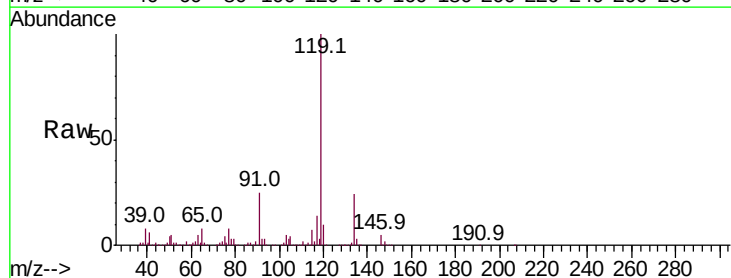
Instrument :
 MSVOA_F
 ClientSampled :

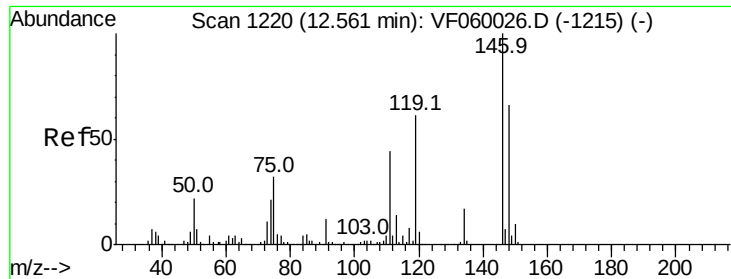
Tot Ion:105 Resp: 326945
 Ion Ratio Lower Upper
 105 100
 134 18.4 9.3 27.9



#86
 p-Isopropyltoluene
 Concen: 22.313 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. -0.00 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

Tgt Ion:119 Resp: 274519
 Ion Ratio Lower Upper
 119 100
 134 24.5 12.4 37.2
 91 24.8 13.5 40.4





#87

1,3-Dichlorobenzene

Concen: 22.812 ug/l

RT: 12.56 min Scan# 1220

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

Instrument :

MSVOA_F

ClientSampleId :

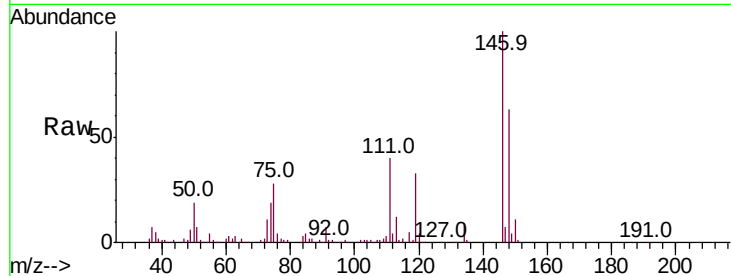
Tot Ion:146 Resp: 143802

Ion Ratio Lower Upper

146 100

111 40.4 21.9 65.5

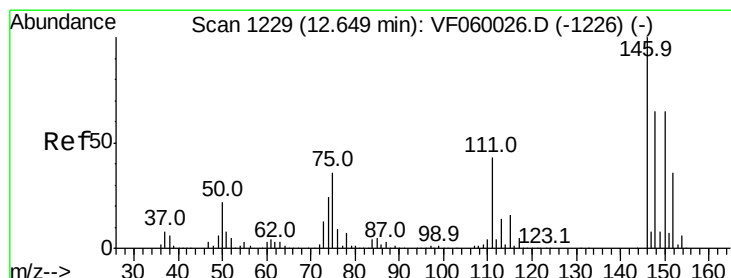
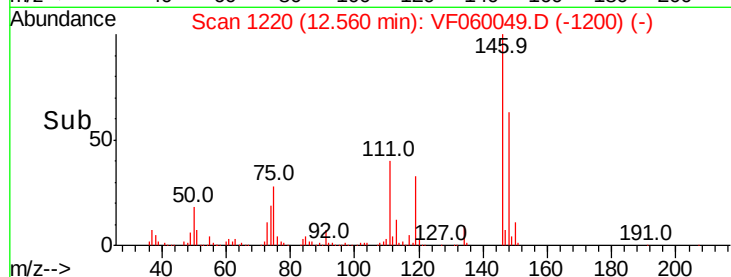
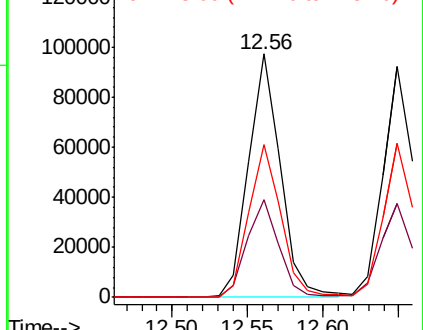
148 62.6 32.9 98.7



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: 21.417 ug/l

RT: 12.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VF060049.D

Acq: 23 Aug 2018 13:22

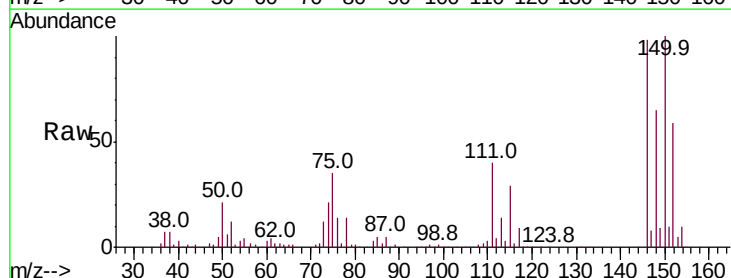
Tgt Ion:146 Resp: 134172

Ion Ratio Lower Upper

146 100

111 40.6 21.6 64.8

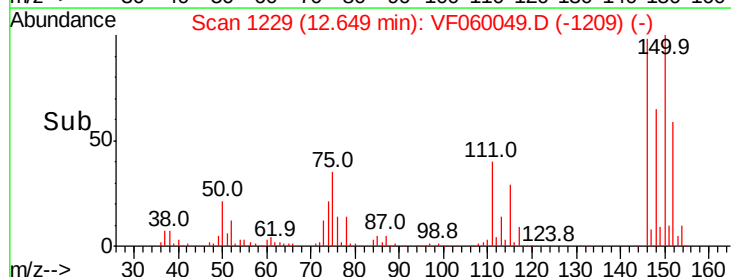
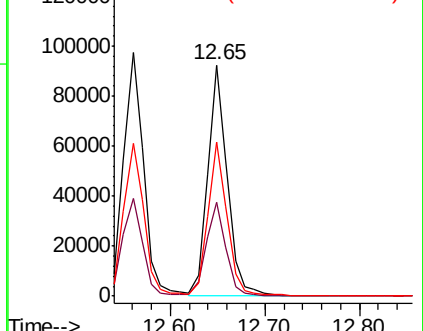
148 66.6 32.3 96.8

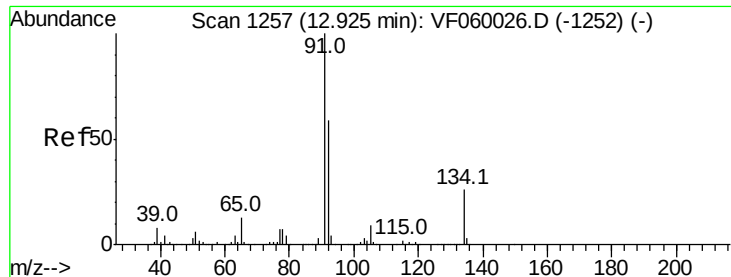


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

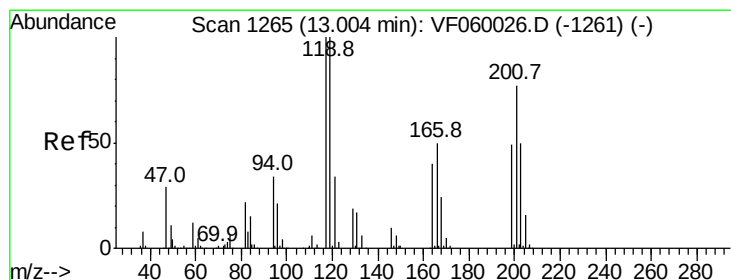
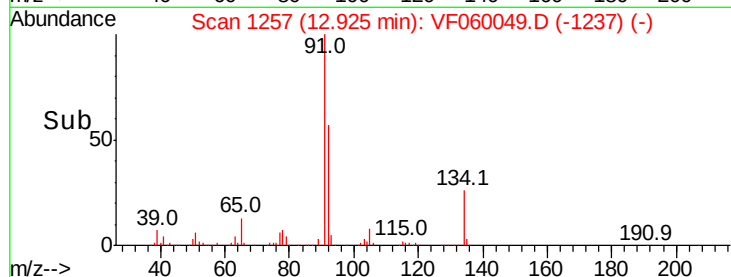
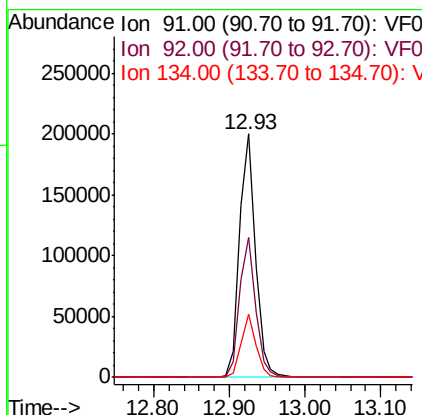
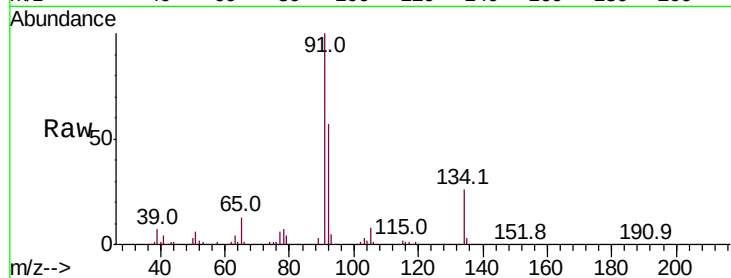




#89
n-Butylbenzene
Concen: 24.204 ug/l
RT: 12.93 min Scan# 1257
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

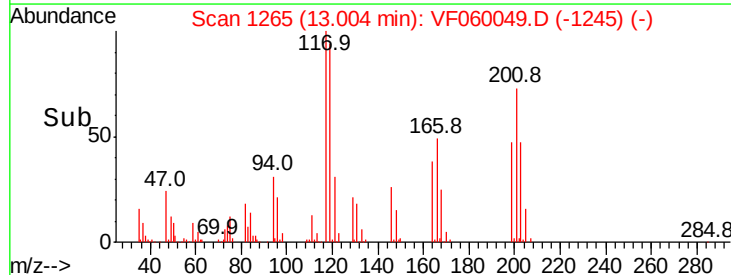
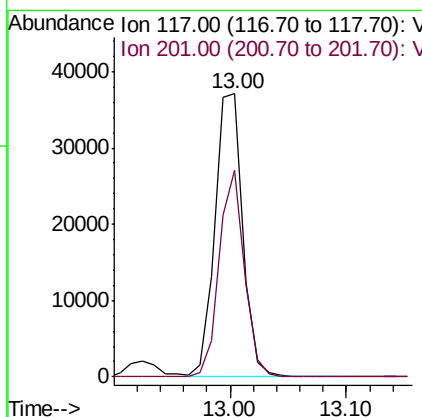
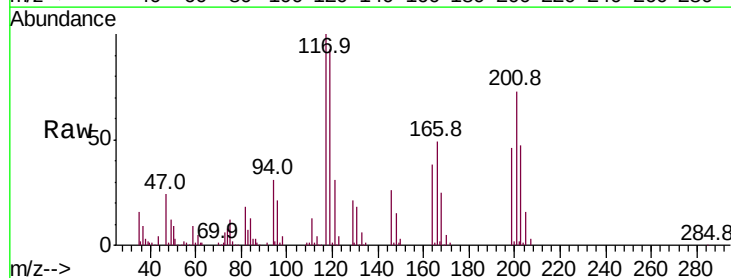
Instrument :
MSVOA_F
ClientSampleId :

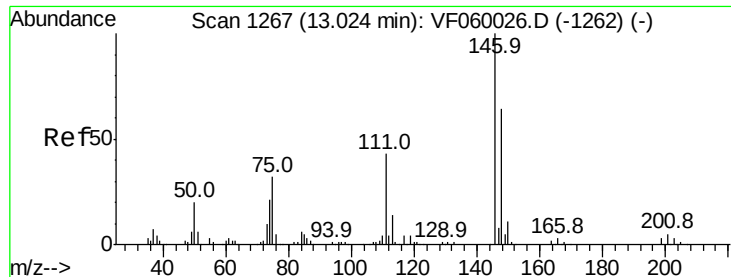
Tot Ion: 91 Resp: 289316
Ion Ratio Lower Upper
91 100
92 57.2 29.3 87.9
134 25.9 12.8 38.3



#90
Hexachloroethane
Concen: 22.199 ug/l
RT: 13.00 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion: 117 Resp: 61375
Ion Ratio Lower Upper
117 100
201 73.1 38.6 115.8

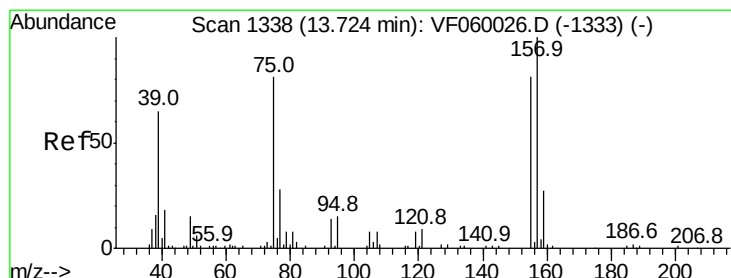
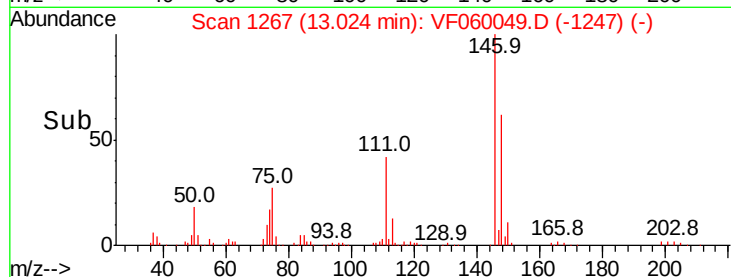
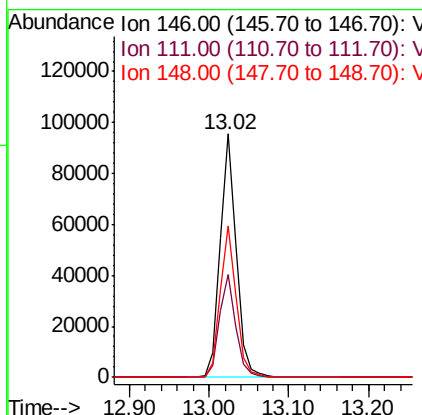
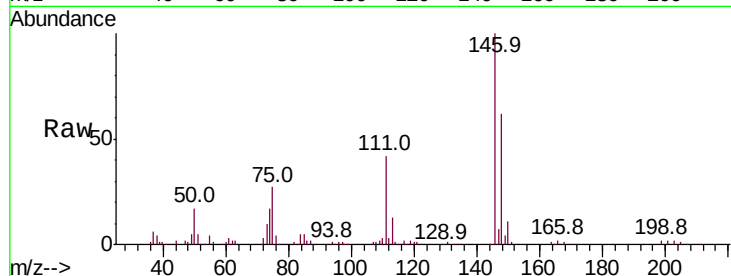




#91
 1,2-Dichlorobenzene
 Concen: 22.665 ug/l
 RT: 13.02 min Scan# 1267
 Delta R.T. -0.00 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

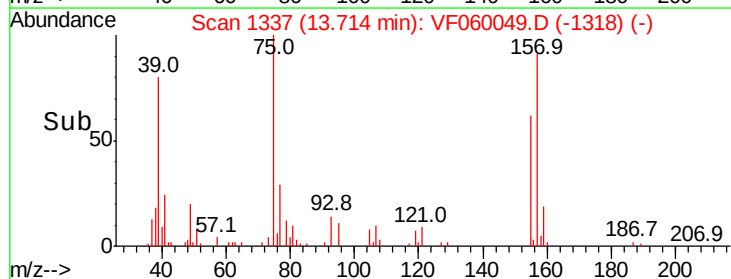
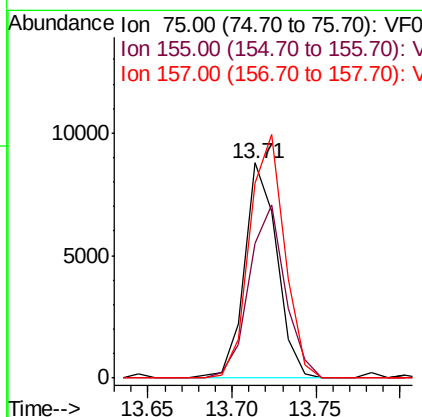
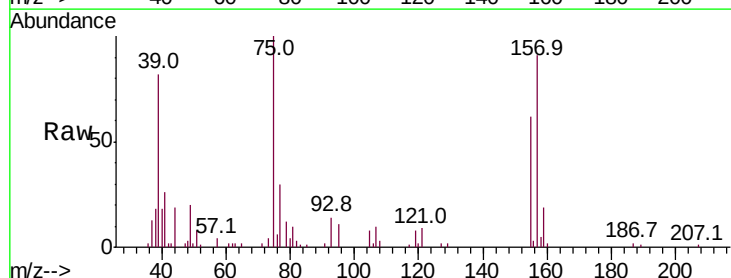
Instrument :
 MSVOA_F
 ClientSampleId :

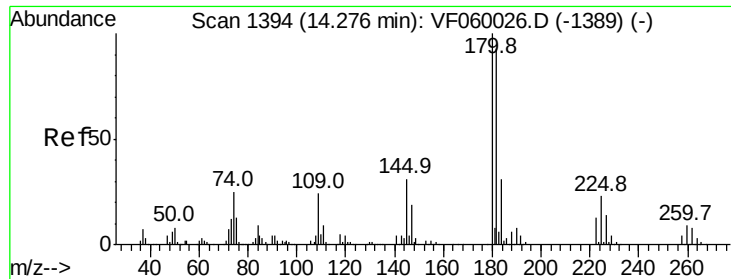
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.6	64.6
148	62.2	32.3	96.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.107 ug/l
 RT: 13.71 min Scan# 1337
 Delta R.T. -0.01 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	62.4	49.8	149.3
157	90.5	61.6	184.7

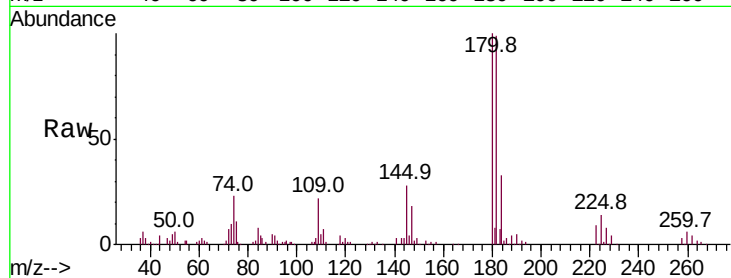




#93
 1,2,4-Trichlorobenzene
 Concen: 22.929 ug/l
 RT: 14.28 min Scan# 1394
 Delta R.T. -0.00 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

Instrument :
 MSVOA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.7	46.8	140.3
145	27.7	15.4	46.4

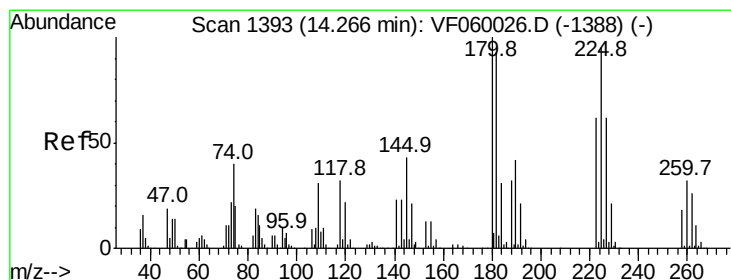
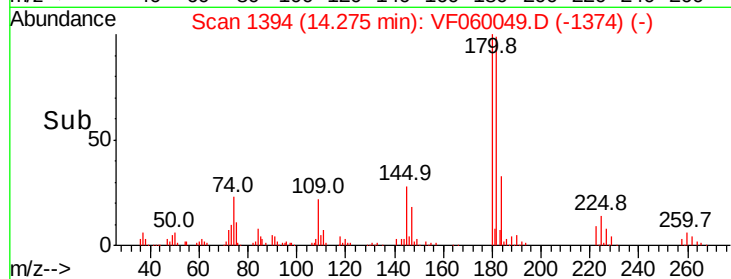
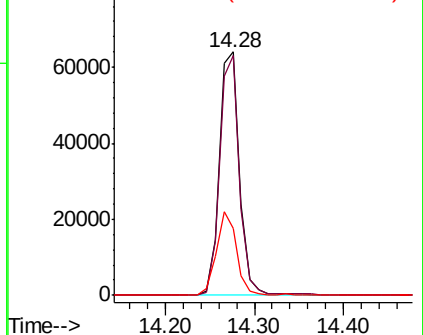


Abundance

Ion 180.00 (179.70 to 180.70): V

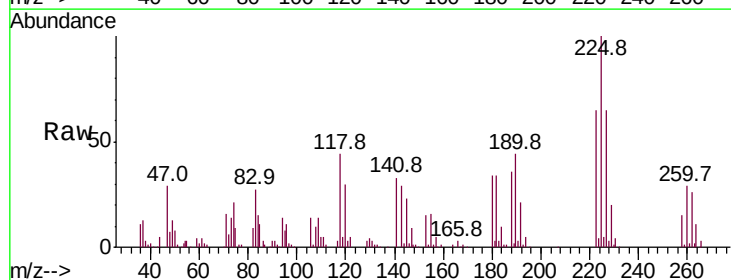
Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94
 Hexachlorobutadiene
 Concen: 22.256 ug/l
 RT: 14.26 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF060049.D
 Acq: 23 Aug 2018 13:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.2	32.6	97.8
227	64.7	33.0	98.9

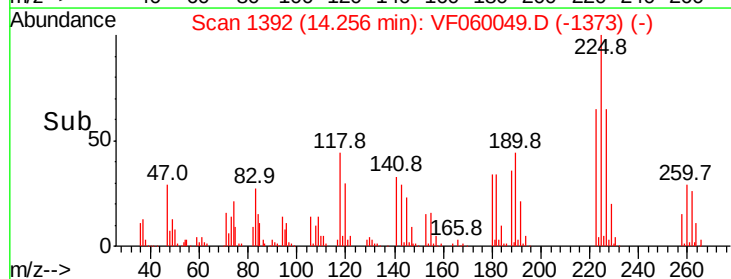
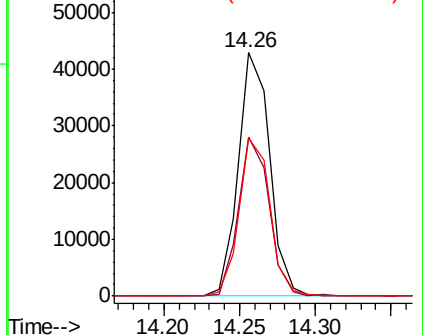


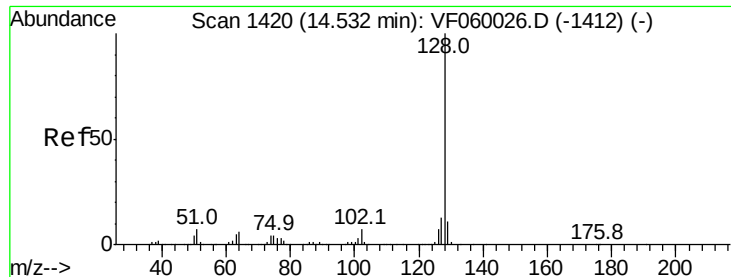
Abundance

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

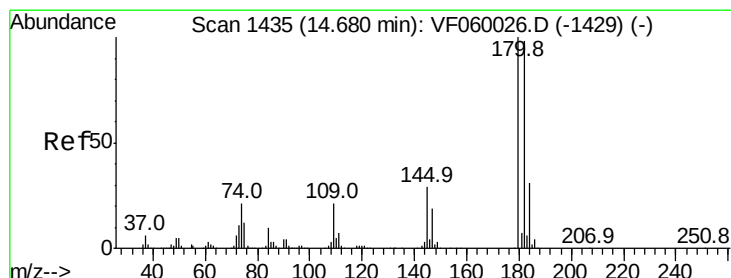
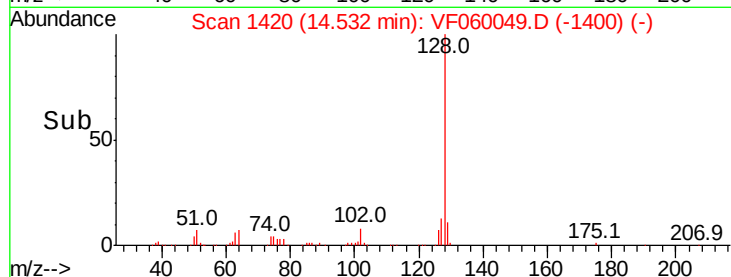
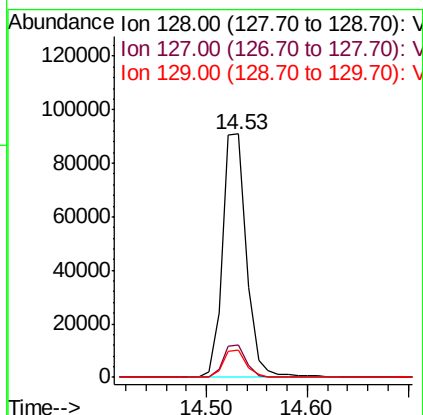
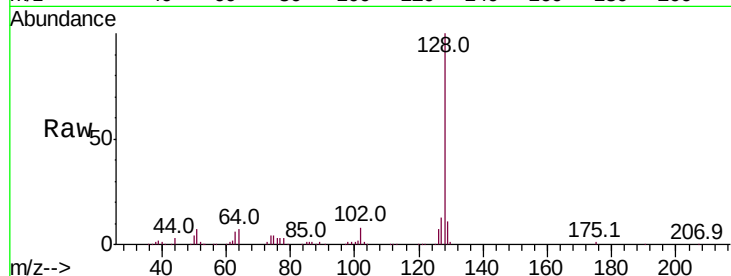




#95
Naphthalene
Concen: 20.853 ug/l
RT: 14.53 min Scan# 1420
Delta R.T. 0.00 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Instrument :
MSVOA_F
ClientSampleId :

Tot Ion:128 Resp: 150704
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.5 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 22.781 ug/l
RT: 14.67 min Scan# 1434
Delta R.T. -0.01 min
Lab File: VF060049.D
Acq: 23 Aug 2018 13:22

Tgt Ion:180 Resp: 97031
Ion Ratio Lower Upper
180 100
182 95.9 49.0 147.2
145 34.4 14.4 43.2

