

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF110218\
 Data File : VF060560.D
 Acq On : 2 Nov 2018 12:59
 Operator : VA/AP
 Sample : VSTDIC075
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Quant Time: Nov 03 04:30:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 04:25:32 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.87	168	240406	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.60	114	405766	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	362923	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.55	152	198920	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.85	65	170866	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
35) Dibromofluoromethane	4.11	113	221099	58.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.06%	
50) Toluene-d8	7.56	98	640303	68.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	136.26%	
62) 4-Bromofluorobenzene	11.42	95	270285	62.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	125.80%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.96	85	173183	38.690	ug/l	98
3) Chloromethane	1.10	50	136386	50.555	ug/l	94
4) Vinyl Chloride	1.14	62	126013	45.348	ug/l	92
5) Bromomethane	1.32	94	74688	35.449	ug/l	94
6) Chloroethane	1.37	64	50820	35.890	ug/l	97
7) Trichlorofluoromethane	1.50	101	247614	38.236	ug/l	92
8) Diethyl Ether	1.63	74	43397	51.587	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	1.82	101	137237	42.575	ug/l	96
10) Methyl Iodide	1.89	142	229243	45.581	ug/l	96
11) Tert butyl alcohol	2.58	59	44936	267.351	ug/l #	89
12) 1,1-Dichloroethene	1.78	96	110464	42.557	ug/l	98
13) Acrolein	2.01	56	28449	197.323	ug/l	89
14) Allyl chloride	2.10	41	205911	49.406	ug/l	98
15) Acrylonitrile	2.95	53	97225	269.282	ug/l	93
16) Acetone	2.25	43	185760	243.497	ug/l	99
17) Carbon Disulfide	1.83	76	323624	44.708	ug/l	98
18) Methyl Acetate	2.35	43	63705	57.396	ug/l	99
19) Methyl tert-butyl Ether	2.43	73	276116	48.477	ug/l	97
20) Methylene Chloride	2.23	84	66315	24.422	ug/l	87
21) trans-1,2-Dichloroethene	2.31	96	122159	45.964	ug/l	94
22) Diisopropyl ether	2.81	45	402545	53.309	ug/l	98
23) Vinyl Acetate	3.19	43	1231939	413.931	ug/l	98
24) 1,1-Dichloroethane	2.88	63	239034	44.235	ug/l	98
25) 2-Butanone	4.34	43	378406	340.267	ug/l	99
26) 2,2-Dichloropropane	3.60	77	174864	52.412	ug/l	99
27) cis-1,2-Dichloroethene	3.48	96	243787	72.659	ug/l	98
28) Bromochloromethane	3.72	49	143573	69.997	ug/l	100
29) Tetrahydrofuran	4.08	42	159424	462.312	ug/l	99
30) Chloroform	3.86	83	390752	56.759	ug/l	99
31) Cyclohexane	3.70	56	312283	74.975	ug/l	94
32) 1,1,1-Trichloroethane	4.11	97	290245	52.113	ug/l	97
36) 1,1-Dichloropropene	4.28	75	302801	60.878	ug/l	100
37) Ethyl Acetate	4.11	43	142829	84.088	ug/l	99
38) Carbon Tetrachloride	3.99	117	326785	57.503	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.46	83	365216	69.984	ug/l	97
40) Benzene	4.63	78	694926	68.356	ug/l	98
41) Methacrylonitrile	4.75	41	78152	80.337	ug/l	93
42) 1,2-Dichloroethane	4.95	62	228448	52.122	ug/l	97
43) Isopropyl Acetate	6.96	43	196887	97.155	ug/l	99
44) Trichloroethene	5.51	130	222672	68.144	ug/l	99
45) 1,2-Dichloropropane	6.24	63	195048	76.800	ug/l	98
46) Dibromomethane	6.09	93	121480	63.402	ug/l	93
47) Bromodichloromethane	6.39	83	294222	60.606	ug/l	97
48) Methyl methacrylate	6.72	41	118980	86.871	ug/l	97
49) 1,4-Dioxane	6.70	88	26897	2012.803	ug/l #	81
51) 4-Methyl-2-Pentanone	8.26	43	607681	416.011	ug/l	97
52) Toluene	7.63	92	472241	72.383	ug/l	98
53) t-1,3-Dichloropropene	8.28	75	239756	62.750	ug/l	98
54) cis-1,3-Dichloropropene	7.31	75	330637	71.415	ug/l	99
55) 1,1,2-Trichloroethane	8.49	97	142631	74.567	ug/l	96
56) Ethyl methacrylate	8.62	69	183745	84.843	ug/l	96
57) 1,3-Dichloropropane	8.85	76	250677	77.373	ug/l	93
58) 2-Chloroethyl Vinyl ether	7.63	63	60595	278.432	ug/l	100
59) 2-Hexanone	9.50	43	448748	424.136	ug/l	99
60) Dibromochloromethane	8.72	129	194901	64.050	ug/l	100
61) 1,2-Dibromoethane	8.99	107	153488	69.618	ug/l	97
64) Tetrachloroethene	8.15	164	172149	57.002	ug/l	96
65) Chlorobenzene	9.80	112	506183	69.747	ug/l	100
66) 1,1,1,2-Tetrachloroethane	9.94	131	198685	60.248	ug/l	98
67) Ethyl Benzene	9.90	91	874206	63.280	ug/l	99
68) m/p-Xylenes	10.14	106	649242	136.031	ug/l	96
69) o-Xylene	10.72	106	359563	67.174	ug/l	96
70) Styrene	10.80	104	517698	68.334	ug/l	99
71) Bromoform	10.78	173	109210	65.033	ug/l	99
73) Isopropylbenzene	11.13	105	1018529	66.199	ug/l	99
74) N-amyl acetate	11.37	43	281717	87.405	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	188435	73.182	ug/l	99
76) 1,2,3-Trichloropropane	11.87	75	92605	52.386	ug/l	100
77) Bromobenzene	11.50	156	231198	68.664	ug/l	94
78) n-propylbenzene	11.60	91	1139343	62.840	ug/l	97
79) 2-Chlorotoluene	11.72	91	671865	62.235	ug/l	96
80) 1,3,5-Trimethylbenzene	11.83	105	809387	61.668	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.87	75	92605	107.296	ug/l	98
82) 4-Chlorotoluene	11.90	91	698748	62.689	ug/l	97
83) tert-Butylbenzene	12.14	119	834393	64.700	ug/l	99
84) 1,2,4-Trimethylbenzene	12.21	105	784218	58.816	ug/l	98
85) sec-Butylbenzene	12.31	105	1132450	62.645	ug/l	99
86) p-Isopropyltoluene	12.46	119	924143	62.341	ug/l	99
87) 1,3-Dichlorobenzene	12.48	146	418589	62.199	ug/l	99
88) 1,4-Dichlorobenzene	12.57	146	424510	66.747	ug/l	97
89) n-Butylbenzene	12.85	91	934842	60.151	ug/l	99
90) Hexachloroethane	12.92	117	242672	63.516	ug/l	80
91) 1,2-Dichlorobenzene	12.95	146	395512	62.659	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.65	75	33790	64.814	ug/l	91

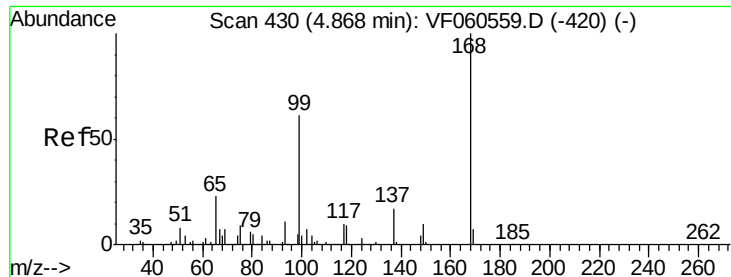
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF110218\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.21	180	269512	57.701	ug/l	97
94) Hexachlorobutadiene	14.19	225	178865	54.715	ug/l	96
95) Naphthalene	14.46	128	570035	68.616	ug/l	97
96) 1,2,3-Trichlorobenzene	14.61	180	260472	58.747	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

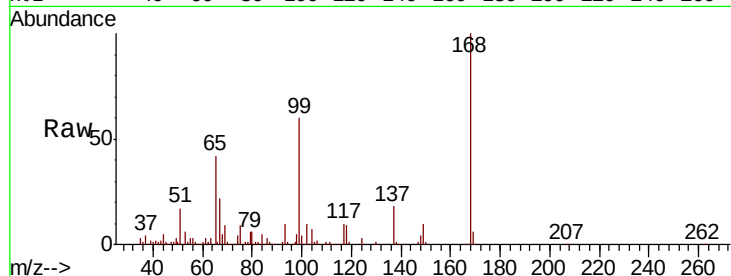
VSTDIC075

Tgt Ion:168 Resp: 240406

Ion Ratio Lower Upper

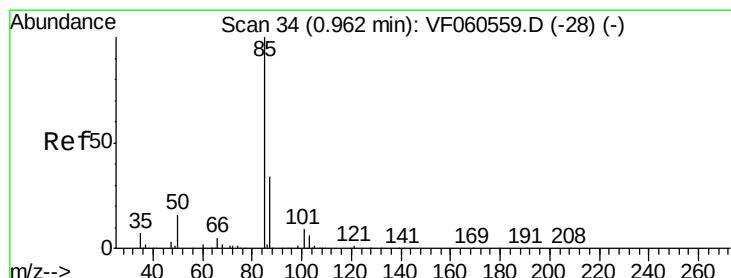
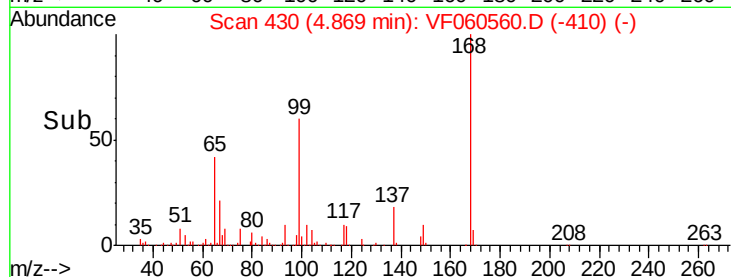
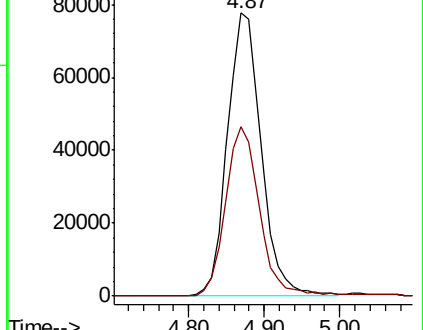
168 100

99 59.9 48.6 72.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 38.690 ug/l

RT: 0.96 min Scan# 34

Delta R.T. 0.00 min

Lab File: VF060560.D

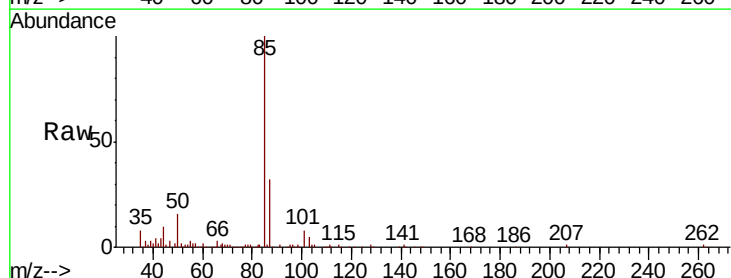
Acq: 2 Nov 2018 12:59

Tgt Ion: 85 Resp: 173183

Ion Ratio Lower Upper

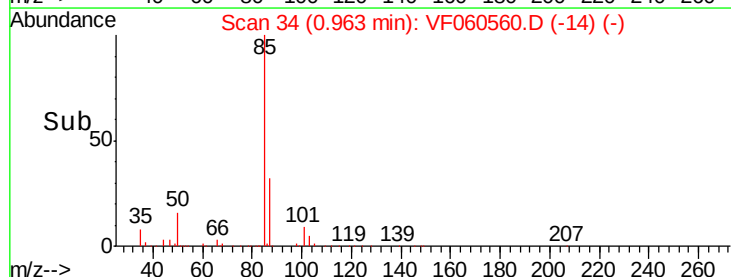
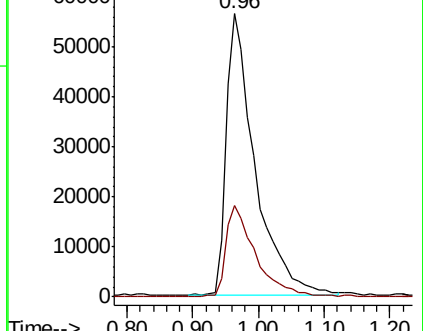
85 100

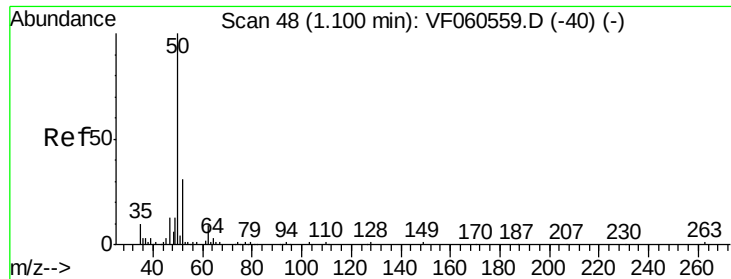
87 32.5 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 50.555 ug/l

RT: 1.10 min Scan# 48

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

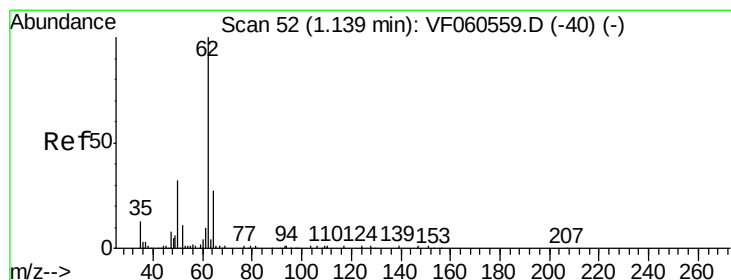
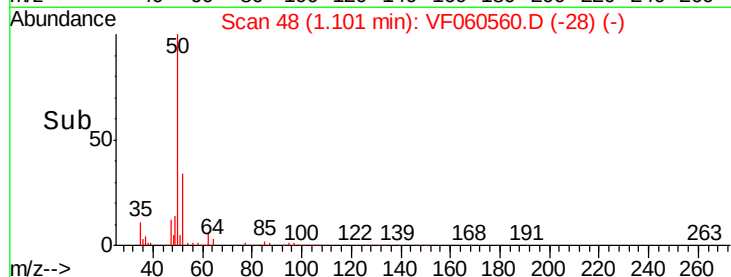
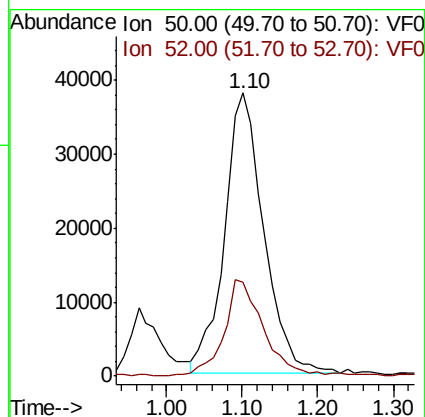
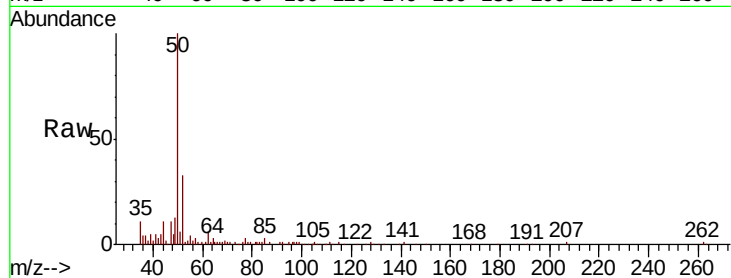
VSTDIC075

Tgt Ion: 50 Resp: 136386

Ion Ratio Lower Upper

50 100

52 33.2 24.0 36.0



#4

Vinyl Chloride

Concen: 45.348 ug/l

RT: 1.14 min Scan# 52

Delta R.T. 0.00 min

Lab File: VF060560.D

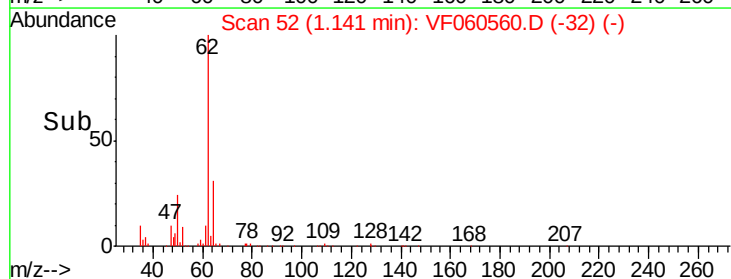
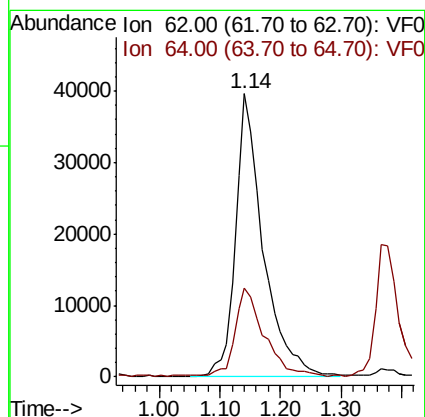
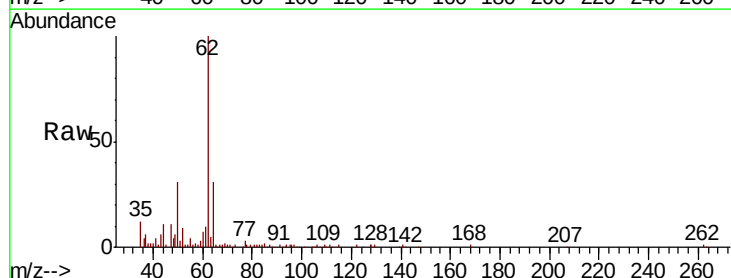
Acq: 2 Nov 2018 12:59

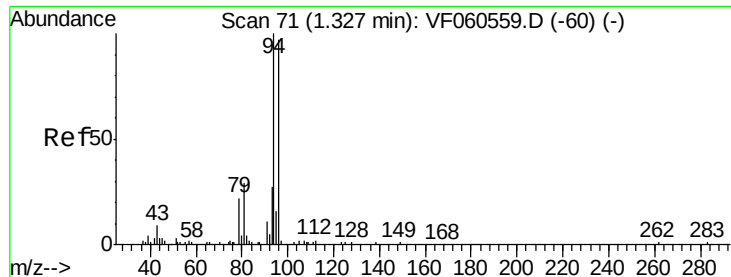
Tgt Ion: 62 Resp: 126013

Ion Ratio Lower Upper

62 100

64 31.3 21.8 32.6





#5

Bromomethane

Concen: 35.449 ug/l

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

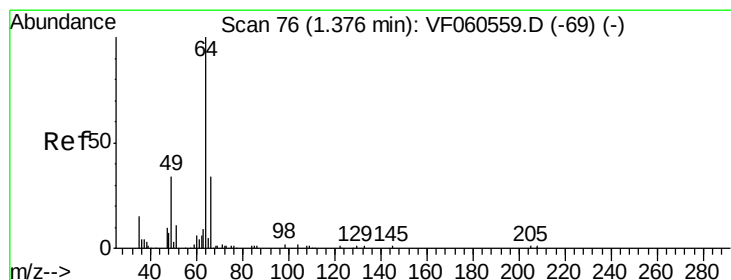
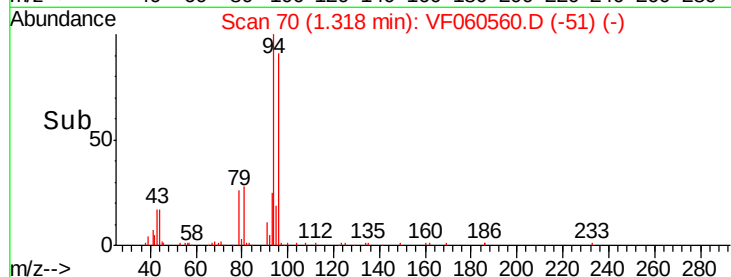
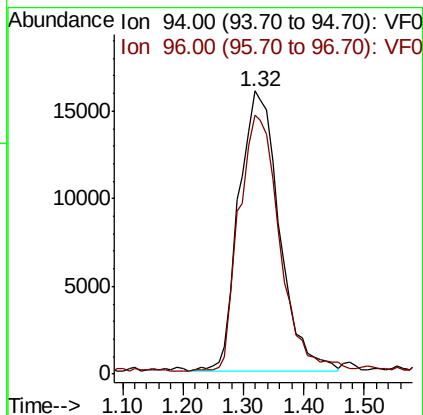
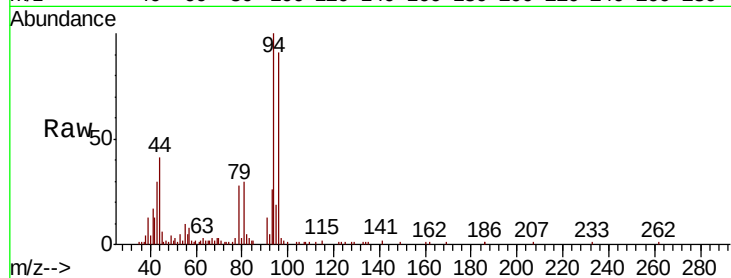
VSTDIC075

Tgt Ion: 94 Resp: 74688

Ion Ratio Lower Upper

94 100

96 91.3 77.9 116.9



#6

Chloroethane

Concen: 35.890 ug/l

RT: 1.37 min Scan# 75

Delta R.T. -0.01 min

Lab File: VF060560.D

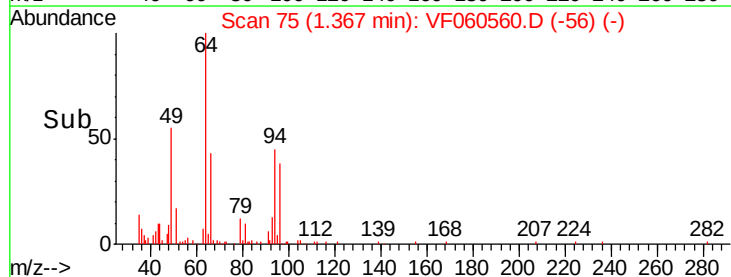
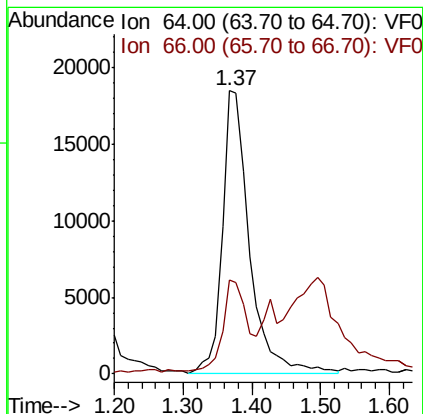
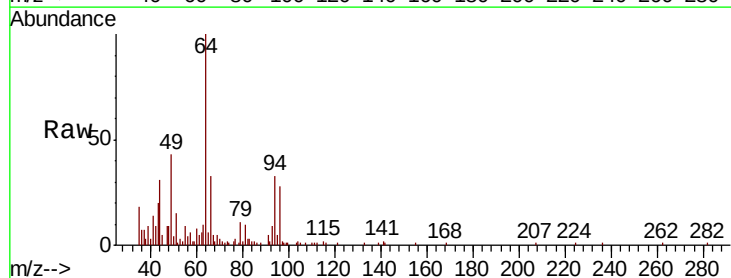
Acq: 2 Nov 2018 12:59

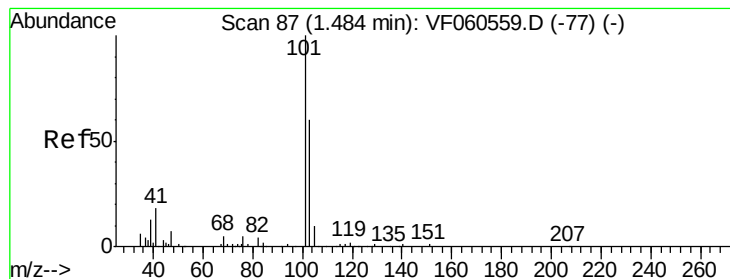
Tgt Ion: 64 Resp: 50820

Ion Ratio Lower Upper

64 100

66 33.0 27.8 41.8



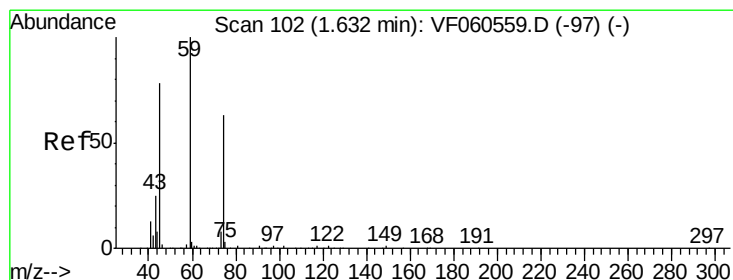
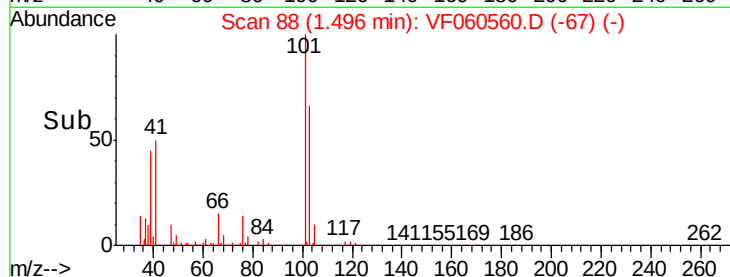
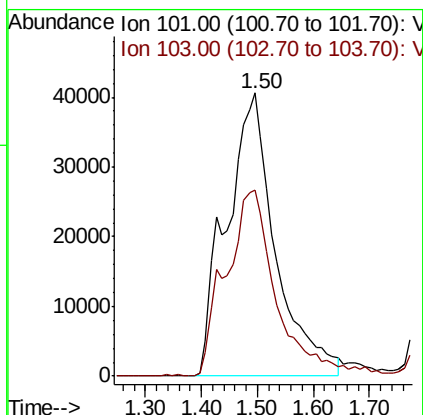
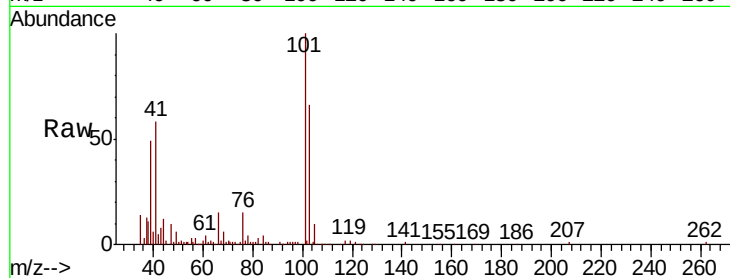


#7

Trichlorofluoromethane
 Concen: 38.236 ug/l
 RT: 1.50 min Scan# 88
 Delta R.T. 0.01 min
 Lab File: VF060560.D
 Acq: 2 Nov 2018 12:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

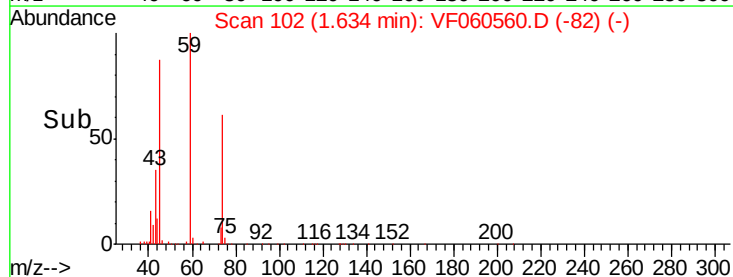
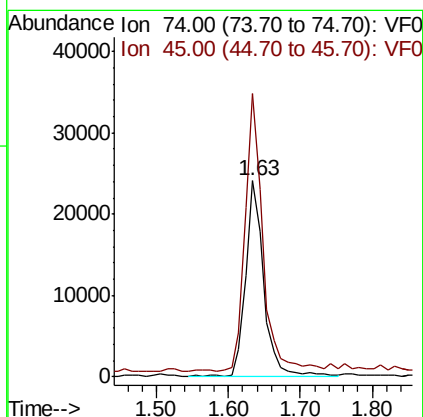
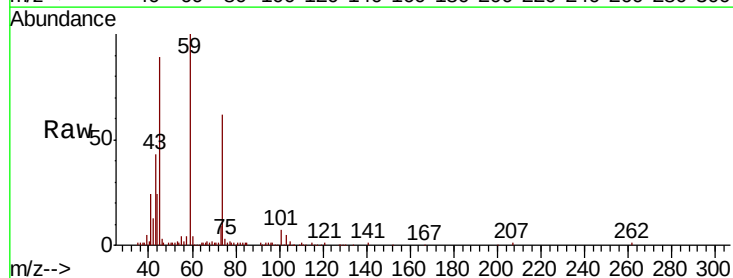
Tgt Ion:101 Resp: 247614
 Ion Ratio Lower Upper
 101 100
 103 65.8 48.0 72.0

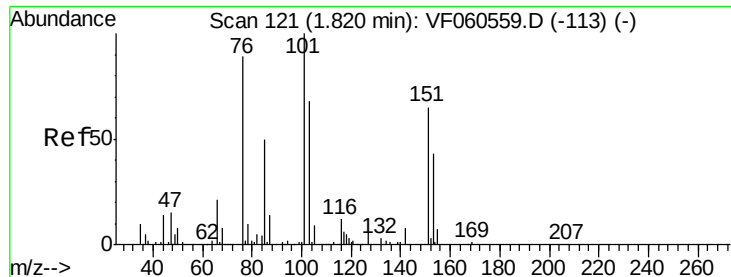


#8

Diethyl Ether
 Concen: 51.587 ug/l
 RT: 1.63 min Scan# 102
 Delta R.T. 0.00 min
 Lab File: VF060560.D
 Acq: 2 Nov 2018 12:59

Tgt Ion: 74 Resp: 43397
 Ion Ratio Lower Upper
 74 100
 45 144.5 63.8 191.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 42.575 ug/l

RT: 1.82 min Scan# 121

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

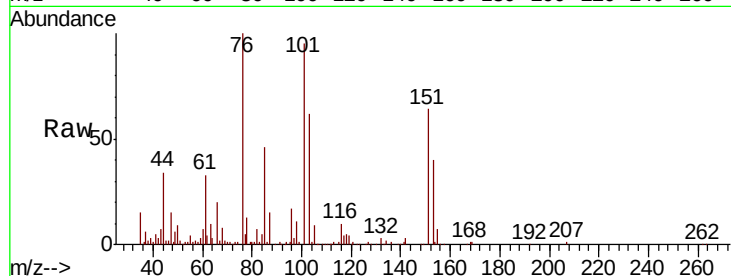
Tgt Ion:101 Resp: 137237

Ion Ratio Lower Upper

101 100

85 48.4 39.8 59.6

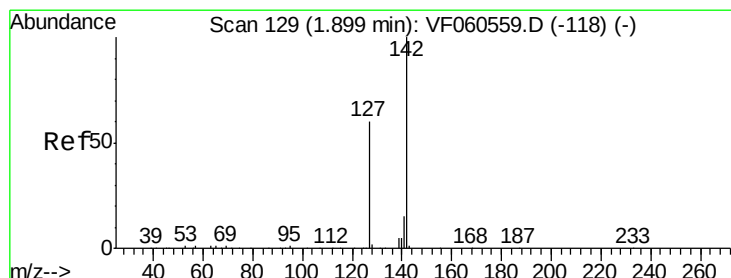
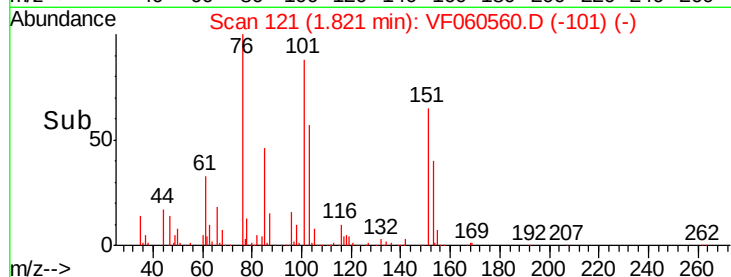
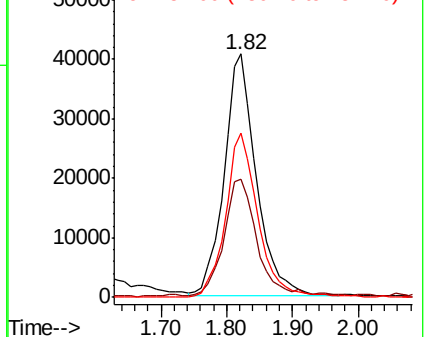
151 67.6 50.8 76.2



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: 45.581 ug/l

RT: 1.89 min Scan# 128

Delta R.T. -0.01 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

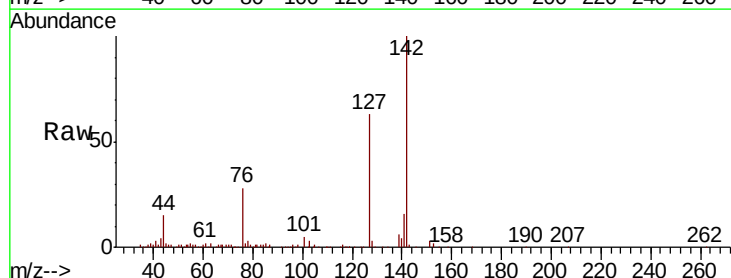
Tgt Ion:142 Resp: 229243

Ion Ratio Lower Upper

142 100

127 63.2 47.8 71.6

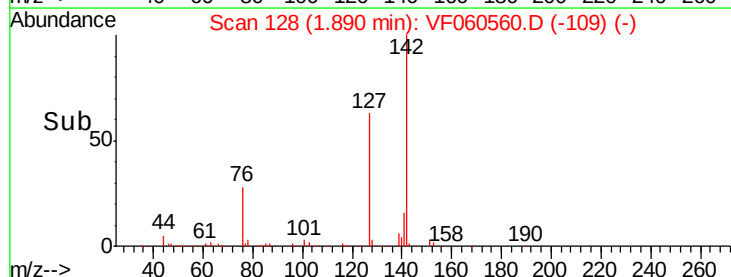
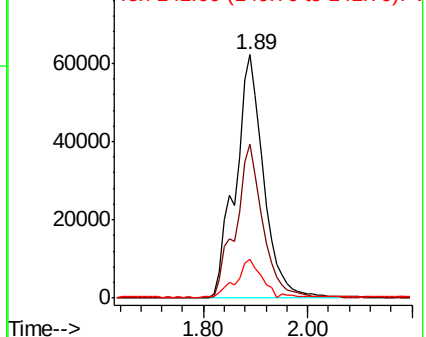
141 16.2 12.7 19.1

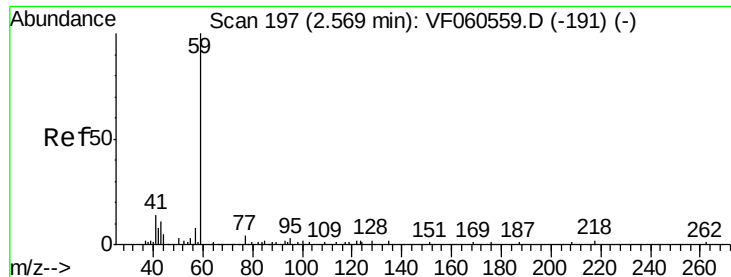


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

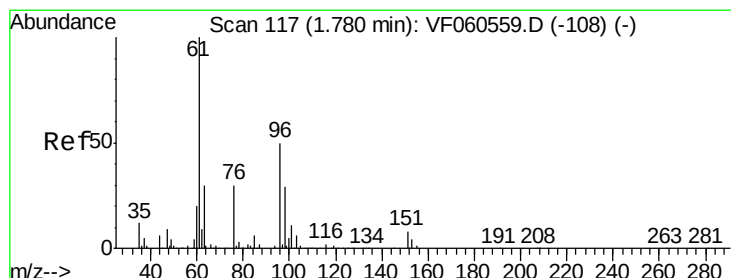
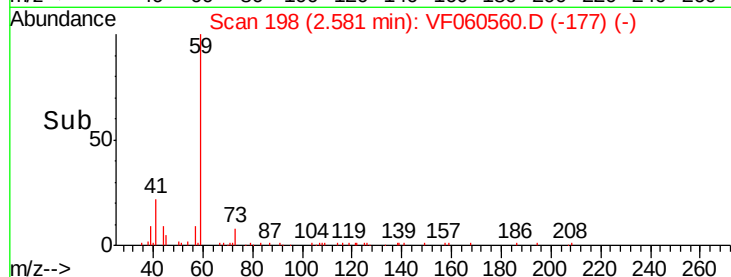
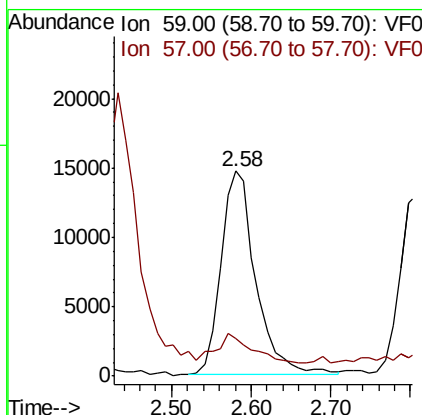
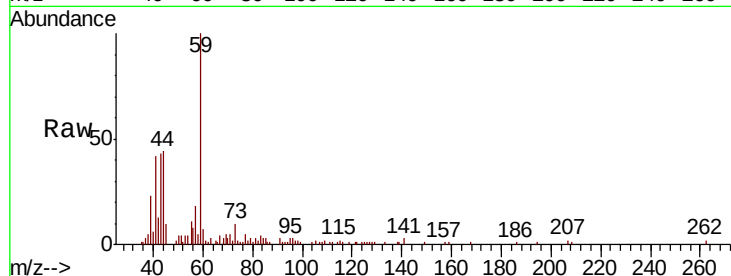




#11
Tert butyl alcohol
Concen: 267.351 ug/l
RT: 2.58 min Scan# 198
Delta R.T. 0.01 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

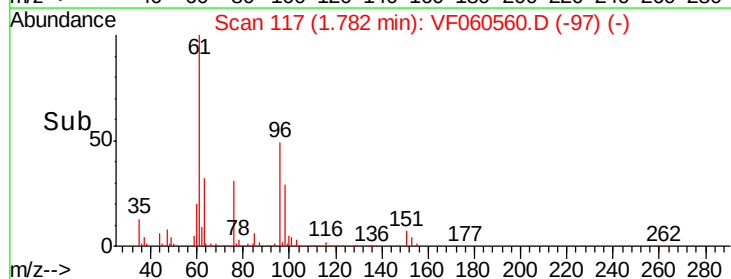
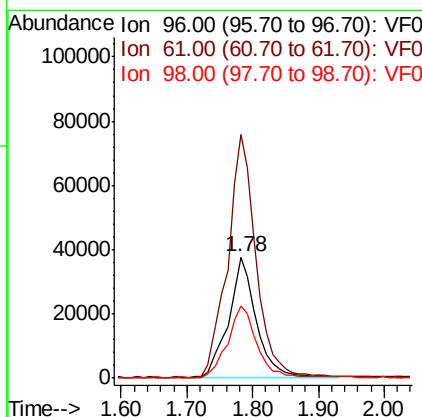
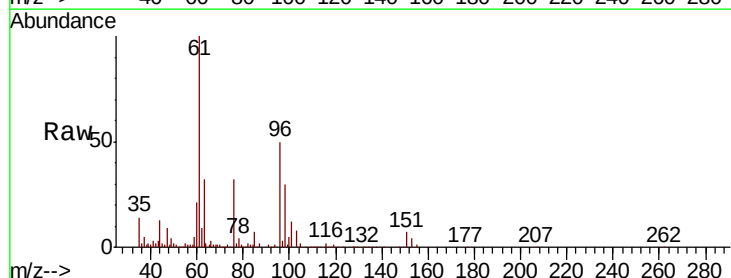
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

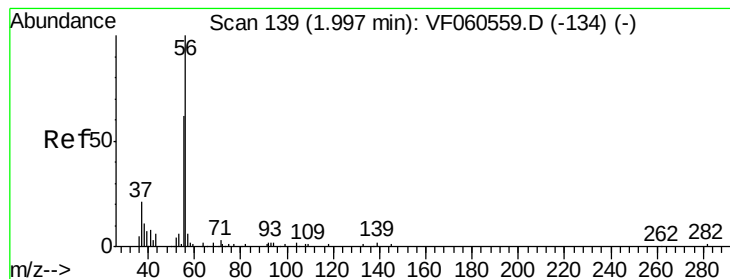
Tgt Ion: 59 Resp: 44936
Ion Ratio Lower Upper
59 100
57 18.3 19.0 28.4#



#12
1,1-Dichloroethene
Concen: 42.557 ug/l
RT: 1.78 min Scan# 117
Delta R.T. 0.00 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

Tgt Ion: 96 Resp: 110464
Ion Ratio Lower Upper
96 100
61 201.1 158.1 237.1
98 59.6 47.0 70.6





#13

Acrolein

Concen: 197.323 ug/l

RT: 2.01 min Scan# 140

Delta R.T. 0.01 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

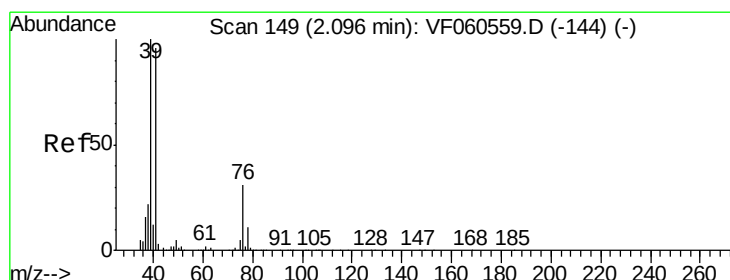
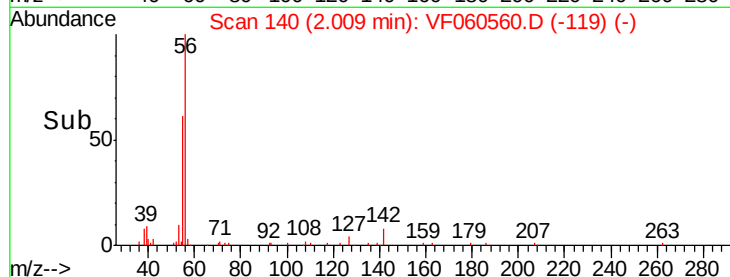
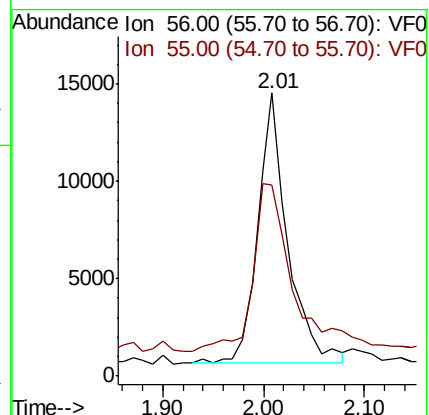
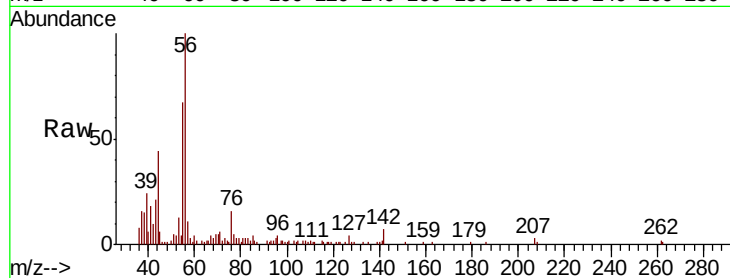
VSTDIC075

Tgt Ion: 56 Resp: 28449

Ion Ratio Lower Upper

56 100

55 67.5 61.8 92.6



#14

Allyl chloride

Concen: 49.406 ug/l

RT: 2.10 min Scan# 149

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

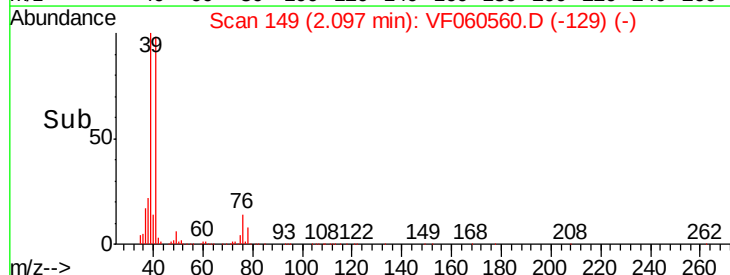
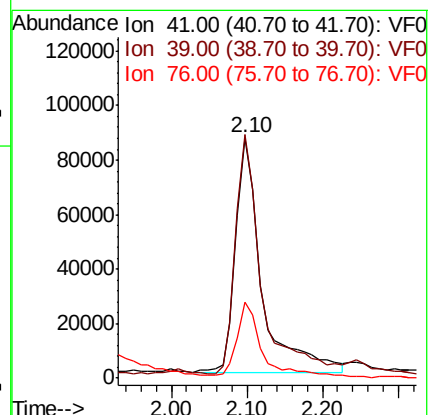
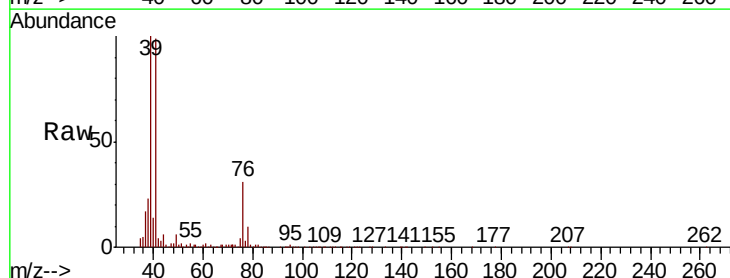
Tgt Ion: 41 Resp: 205911

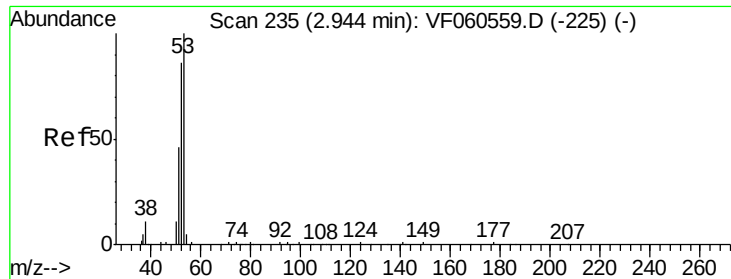
Ion Ratio Lower Upper

41 100

39 101.3 82.6 124.0

76 31.5 26.7 40.1





#15

Acrylonitrile

Concen: 269.282 ug/l

RT: 2.95 min Scan# 235

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

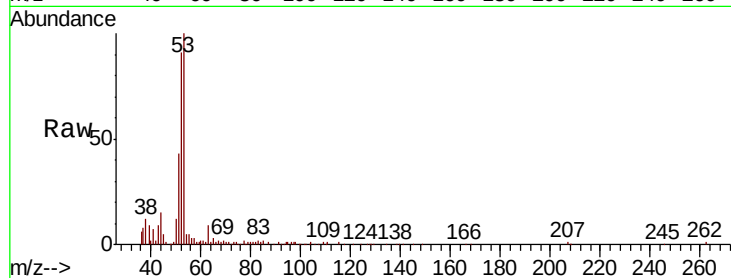
Tgt Ion: 53 Resp: 97225

Ion Ratio Lower Upper

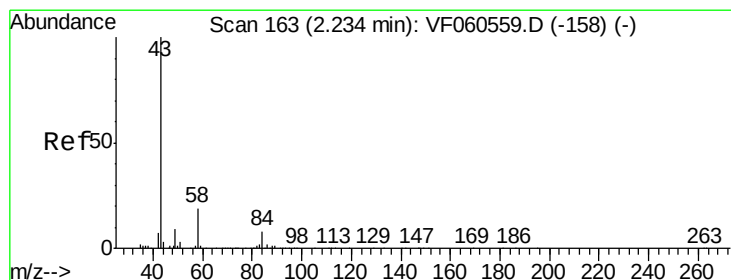
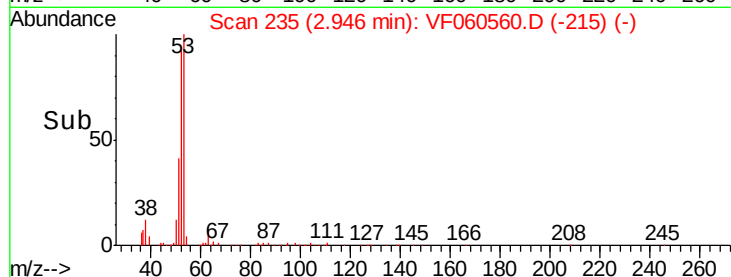
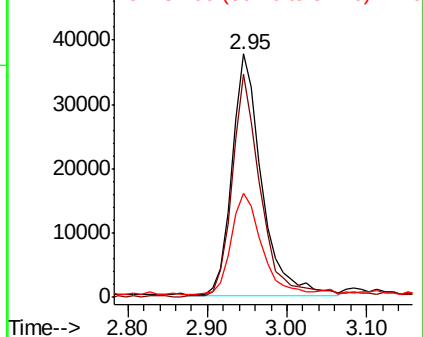
53 100

52 91.4 68.5 102.7

51 42.7 38.2 57.2



Abundance Ion 53.00 (52.70 to 53.70): VF0
Ion 52.00 (51.70 to 52.70): VF0
Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 243.497 ug/l

RT: 2.25 min Scan# 164

Delta R.T. 0.01 min

Lab File: VF060560.D

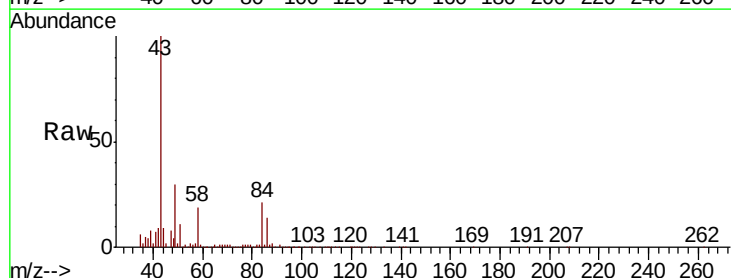
Acq: 2 Nov 2018 12:59

Tgt Ion: 43 Resp: 185760

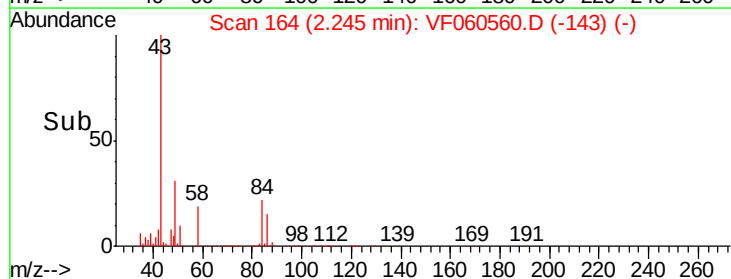
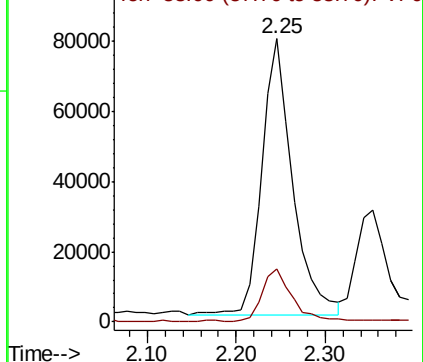
Ion Ratio Lower Upper

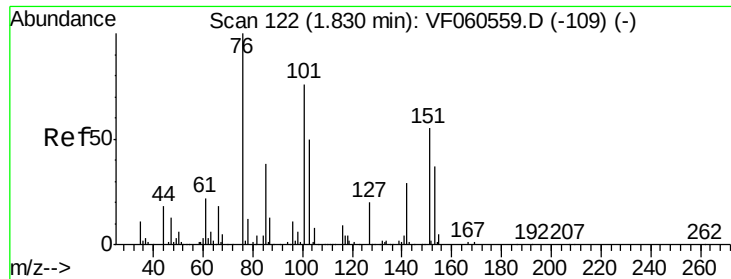
43 100

58 18.8 14.6 22.0



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





#17

Carbon Disulfide

Concen: 44.708 ug/l

RT: 1.83 min Scan# 122

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

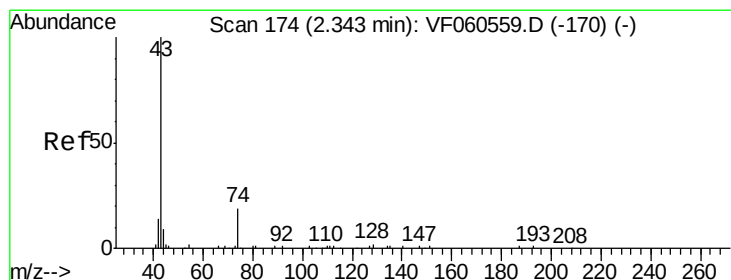
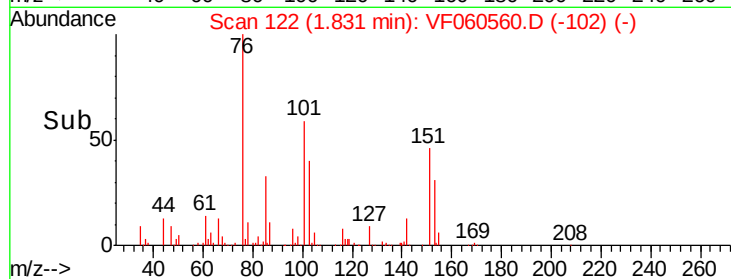
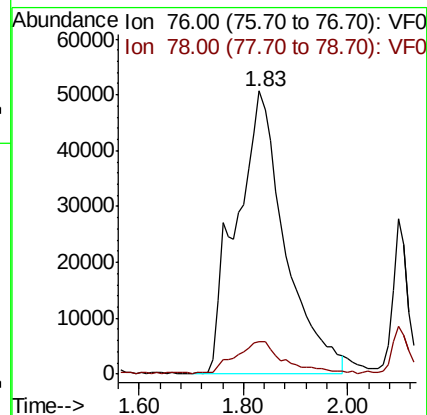
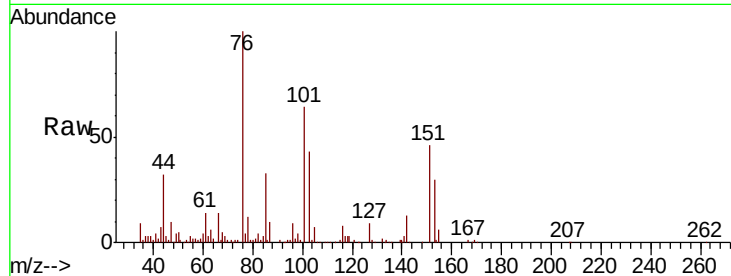
VSTDIC075

Tgt Ion: 76 Resp: 323624

Ion Ratio Lower Upper

76 100

78 11.6 9.9 14.9



#18

Methyl Acetate

Concen: 57.396 ug/l

RT: 2.35 min Scan# 175

Delta R.T. 0.01 min

Lab File: VF060560.D

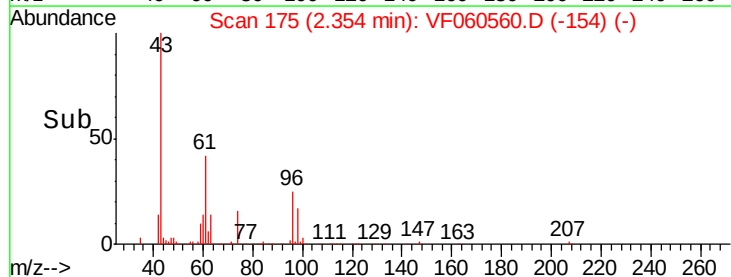
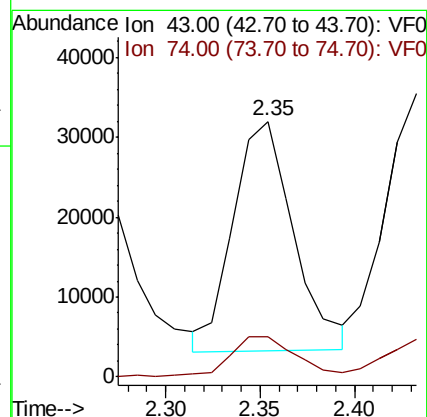
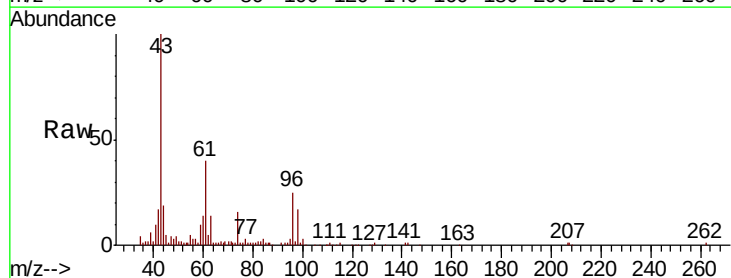
Acq: 2 Nov 2018 12:59

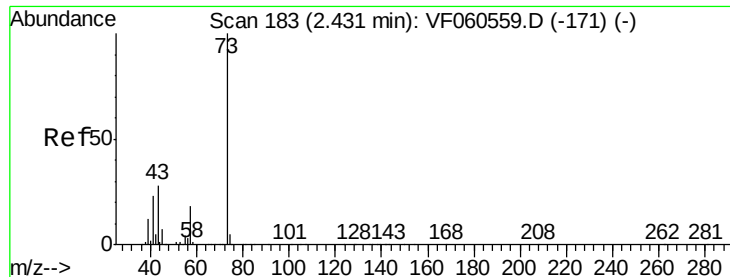
Tgt Ion: 43 Resp: 63705

Ion Ratio Lower Upper

43 100

74 15.7 12.1 18.1



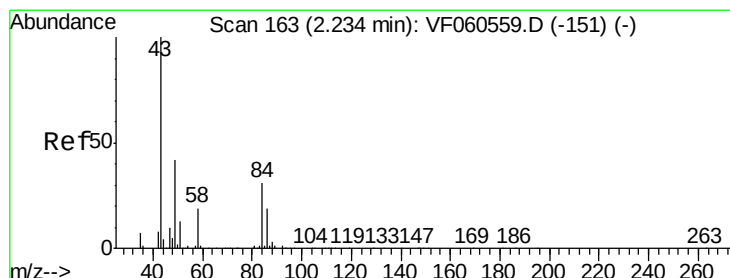
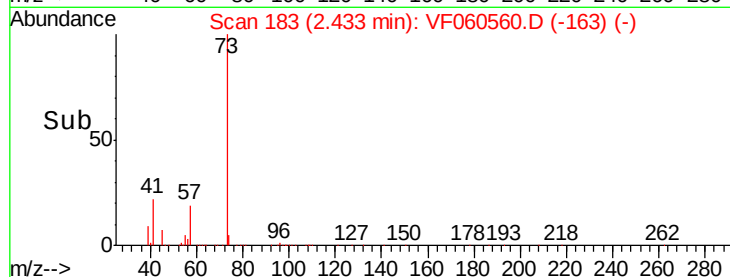
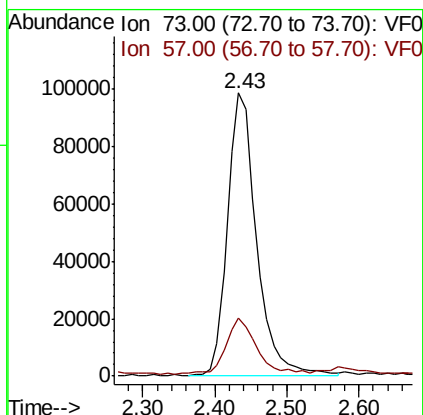
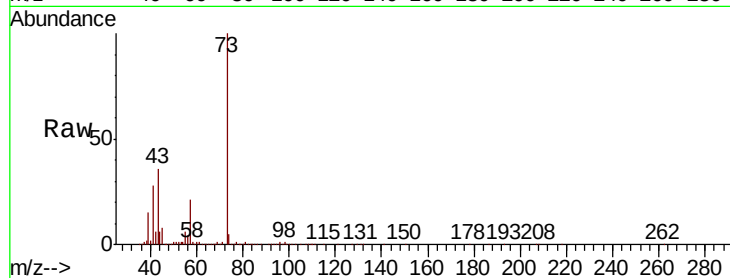


#19

Methyl tert-butyl Ether
Concen: 48.477 ug/l
RT: 2.43 min Scan# 183
Delta R.T. 0.00 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

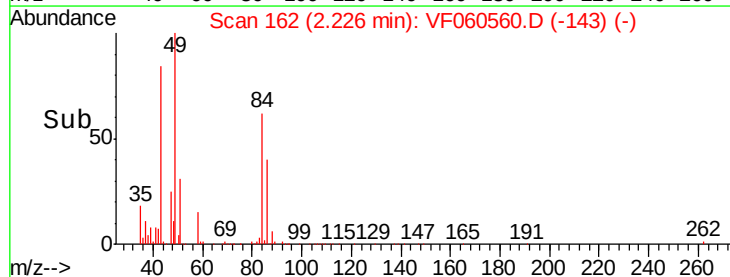
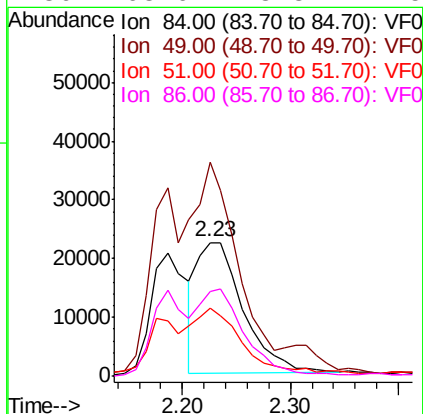
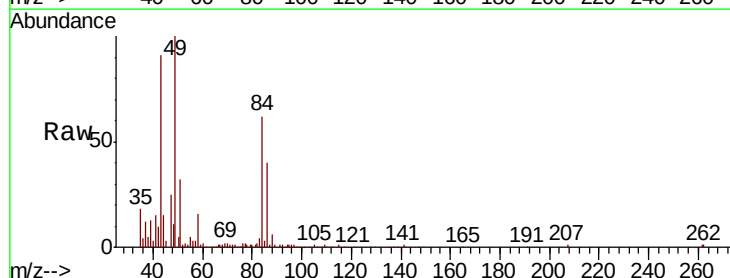
Tgt Ion: 73 Resp: 276116
Ion Ratio Lower Upper
73 100
57 20.7 15.4 23.0

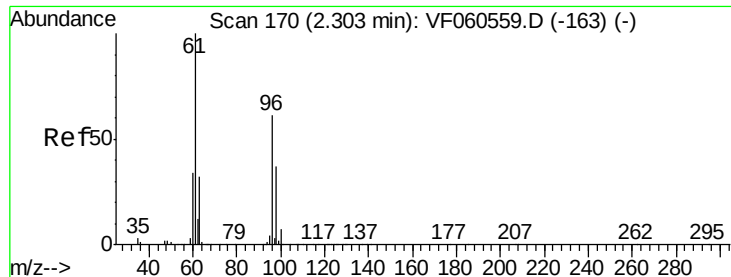


#20

Methylene Chloride
Concen: 24.422 ug/l
RT: 2.23 min Scan# 162
Delta R.T. -0.01 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

Tgt Ion: 84 Resp: 66315
Ion Ratio Lower Upper
84 100
49 160.2 109.9 164.9
51 50.9 35.8 53.8
86 63.6 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 45.964 ug/l

RT: 2.31 min Scan# 171

Delta R.T. 0.01 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

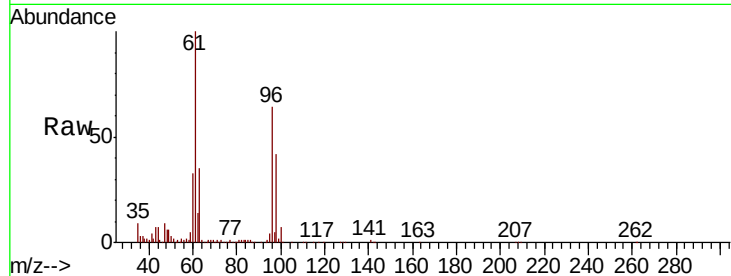
Tgt Ion: 96 Resp: 122159

Ion Ratio Lower Upper

96 100

61 156.4 131.3 196.9

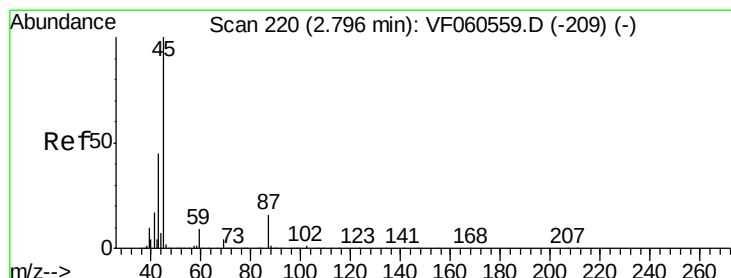
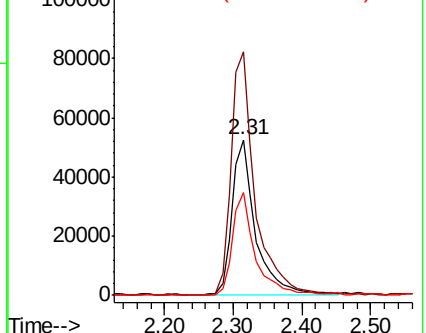
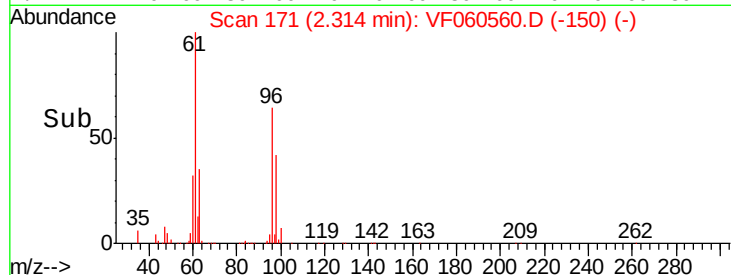
98 65.7 48.6 73.0



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: 53.309 ug/l

RT: 2.81 min Scan# 221

Delta R.T. 0.01 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Tgt Ion: 45 Resp: 402545

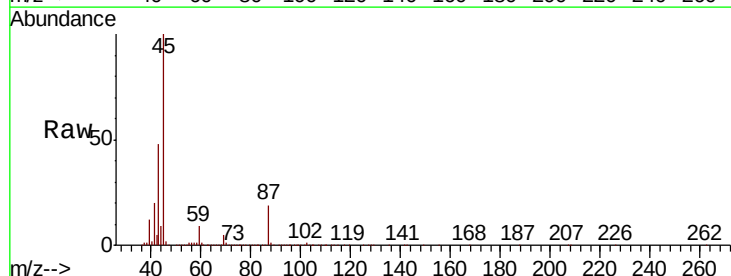
Ion Ratio Lower Upper

45 100

43 47.6 38.1 57.1

87 18.9 12.7 19.1

59 9.2 7.0 10.4

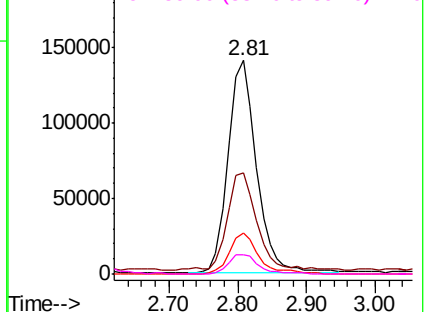
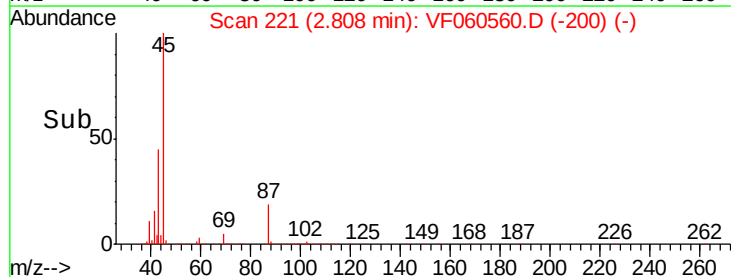


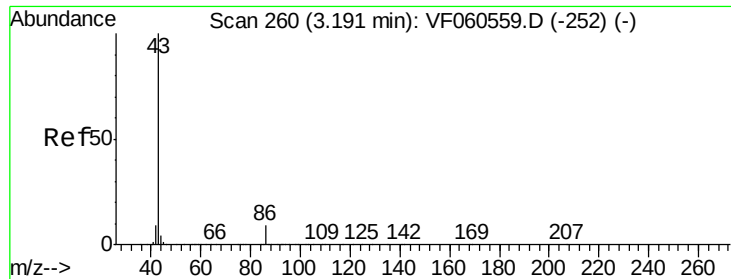
Abundance Ion 45.00 (44.70 to 45.70): VF0

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: 413.931 ug/l

RT: 3.19 min Scan# 260

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

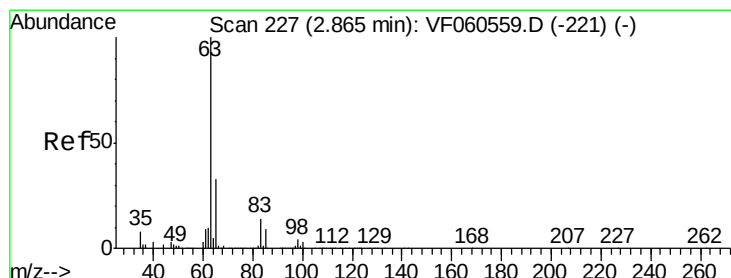
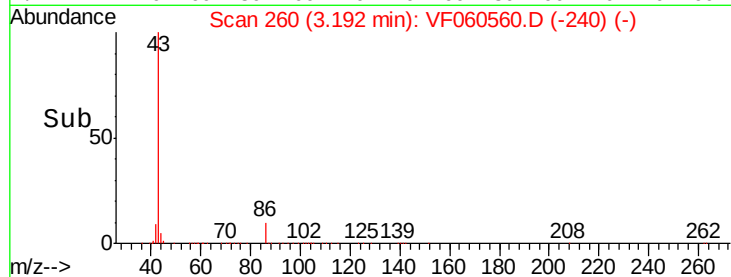
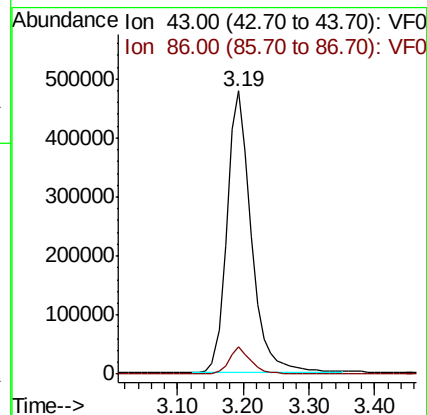
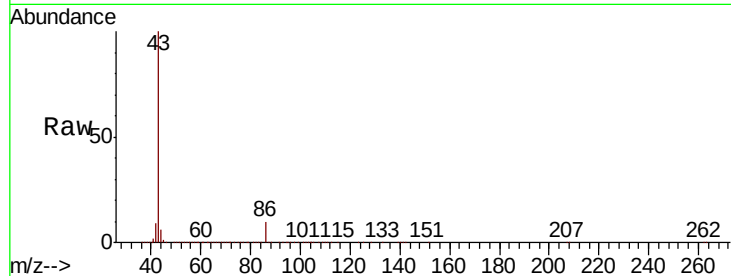
VSTDIC075

Tgt Ion: 43 Resp: 1231939

Ion Ratio Lower Upper

43 100

86 9.6 7.1 10.7



#24

1,1-Dichloroethane

Concen: 44.235 ug/l

RT: 2.88 min Scan# 228

Delta R.T. 0.01 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

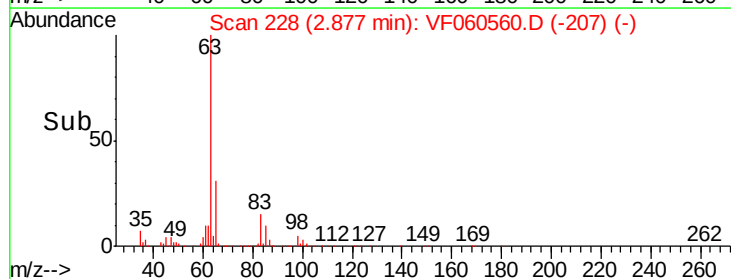
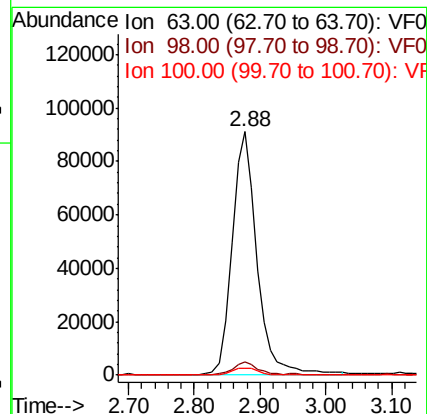
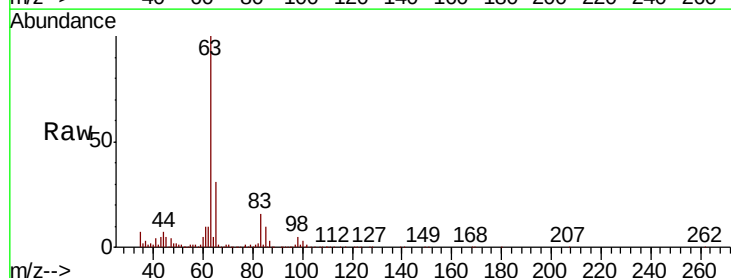
Tgt Ion: 63 Resp: 239034

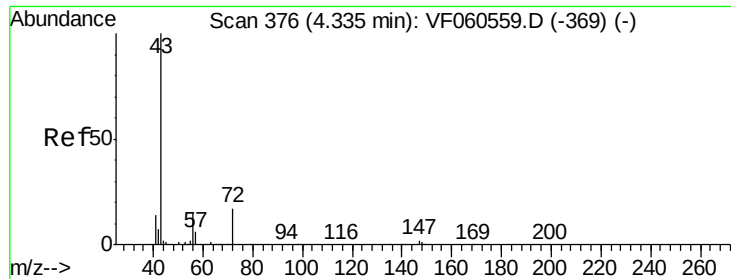
Ion Ratio Lower Upper

63 100

98 5.3 2.2 6.6

100 3.0 1.4 4.0





#25

2-Butanone

Concen: 340.267 ug/l

RT: 4.34 min Scan# 376

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

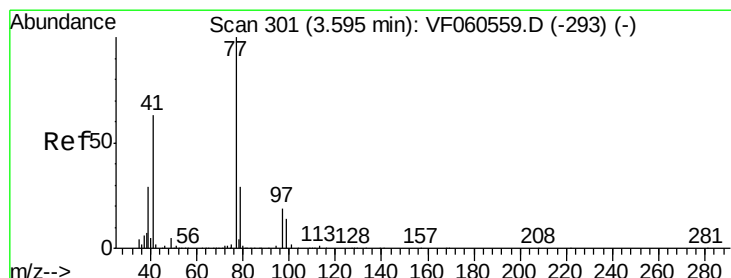
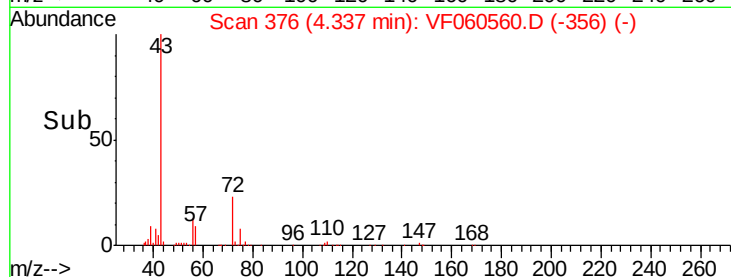
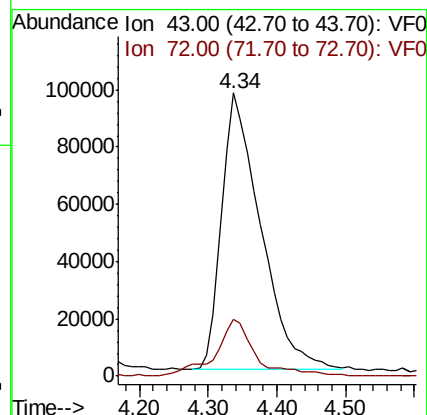
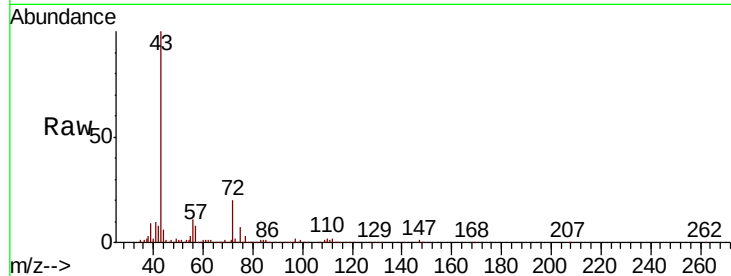
VSTDIC075

Tgt Ion: 43 Resp: 378406

Ion Ratio Lower Upper

43 100

72 19.9 16.2 24.2



#26

2,2-Dichloropropane

Concen: 52.412 ug/l

RT: 3.60 min Scan# 301

Delta R.T. 0.00 min

Lab File: VF060560.D

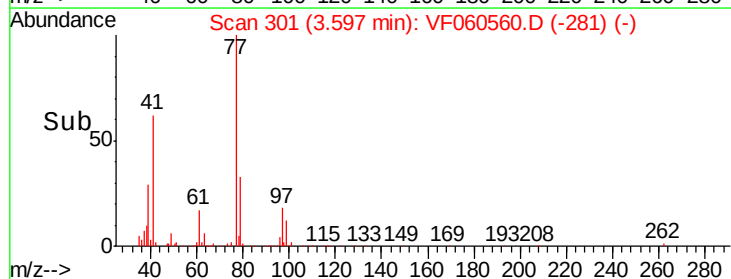
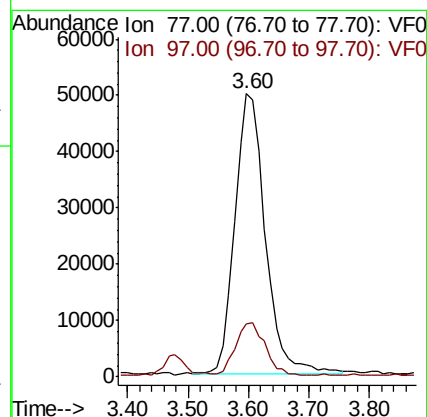
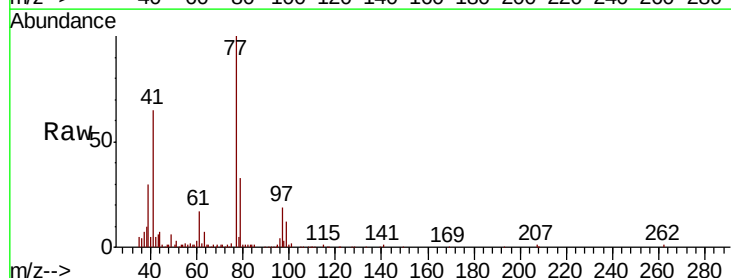
Acq: 2 Nov 2018 12:59

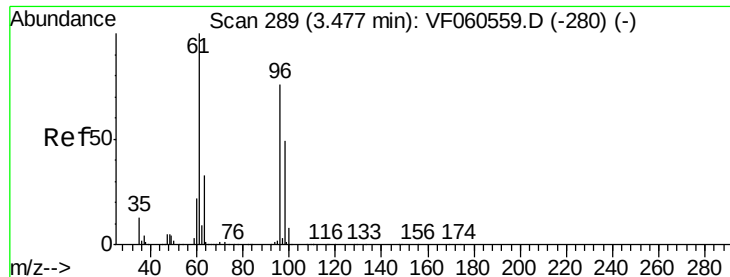
Tgt Ion: 77 Resp: 174864

Ion Ratio Lower Upper

77 100

97 18.9 9.8 29.3



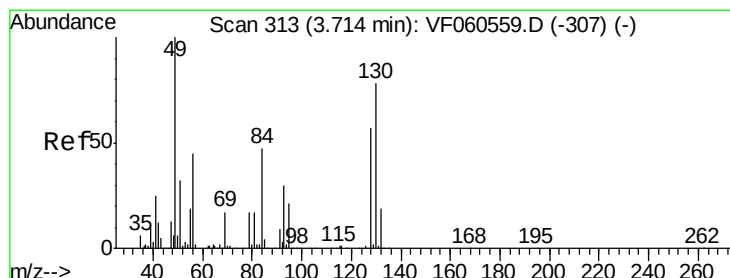
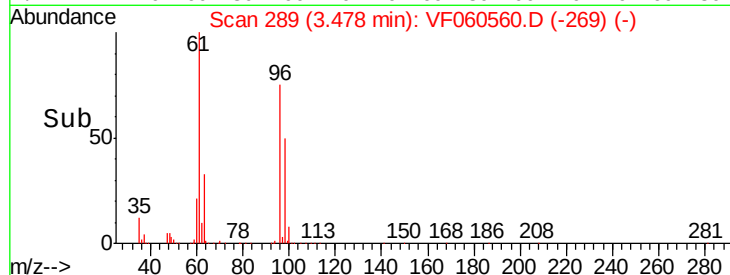
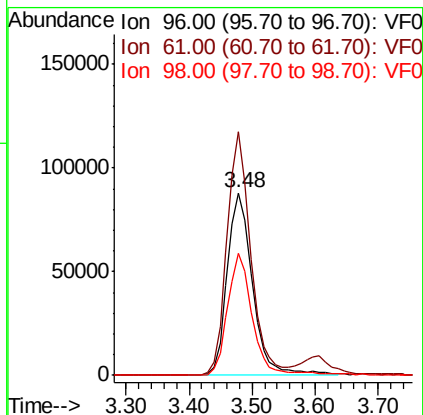
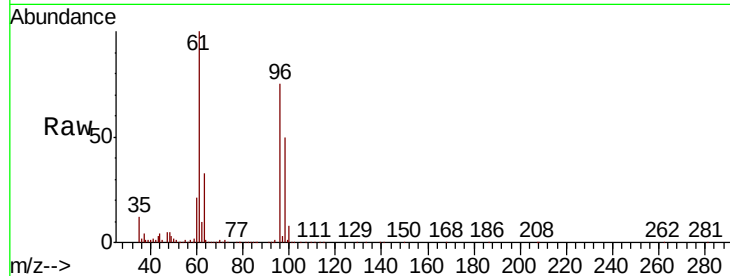


#27

cis-1,2-Dichloroethene
 Concen: 72.659 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. 0.00 min
 Lab File: VF060560.D
 Acq: 2 Nov 2018 12:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

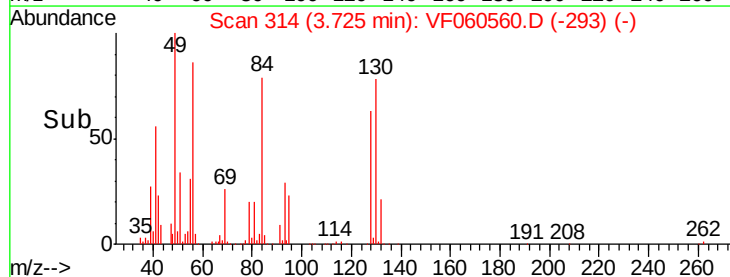
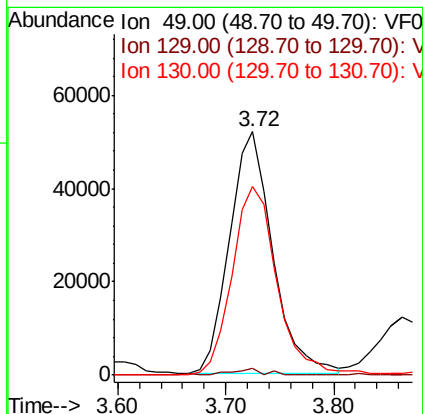
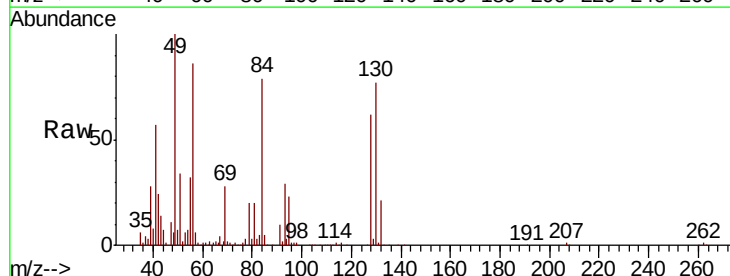
Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.2	0.0	263.0
98	67.0	0.0	130.6

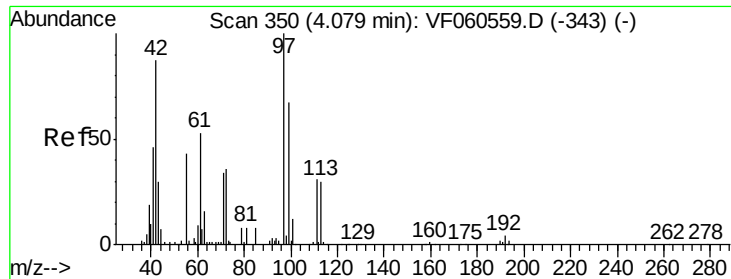


#28

Bromochloromethane
 Concen: 69.997 ug/l
 RT: 3.72 min Scan# 314
 Delta R.T. 0.01 min
 Lab File: VF060560.D
 Acq: 2 Nov 2018 12:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.6
130	77.2	61.8	92.8





#29

Tetrahydrofuran

Concen: 462.312 ug/l

RT: 4.08 min Scan# 350

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

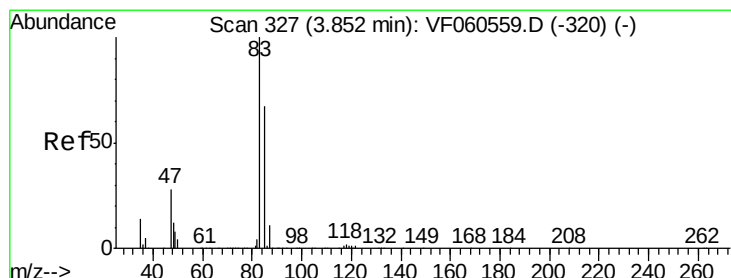
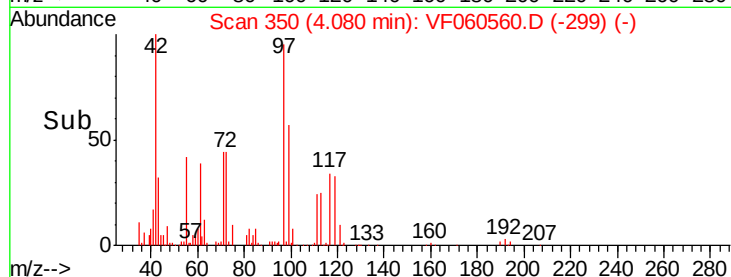
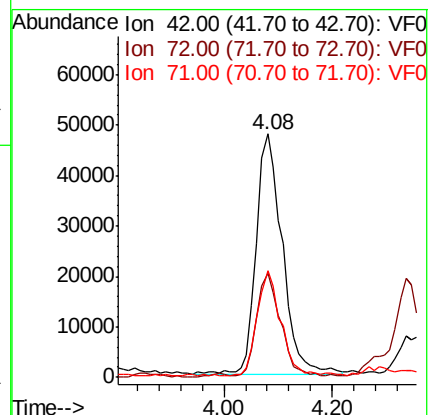
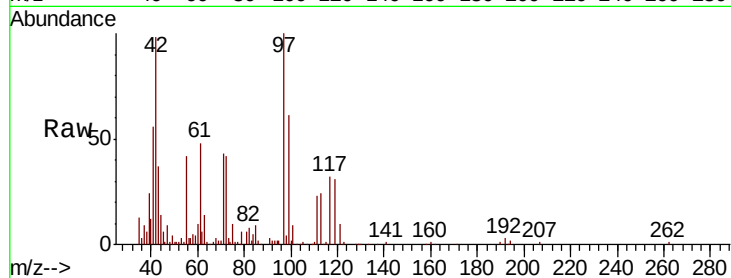
Tgt Ion: 42 Resp: 159424

Ion Ratio Lower Upper

42 100

72 39.6 31.4 47.0

71 40.3 31.8 47.6



#30

Chloroform

Concen: 56.759 ug/l

RT: 3.86 min Scan# 328

Delta R.T. 0.01 min

Lab File: VF060560.D

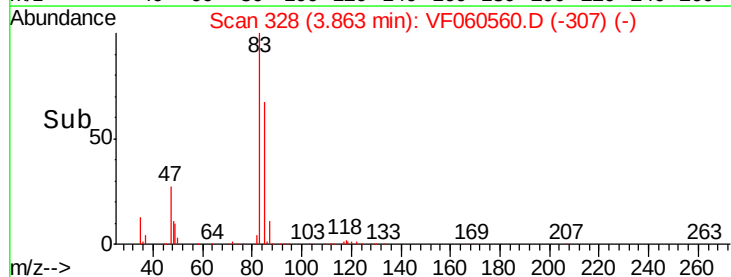
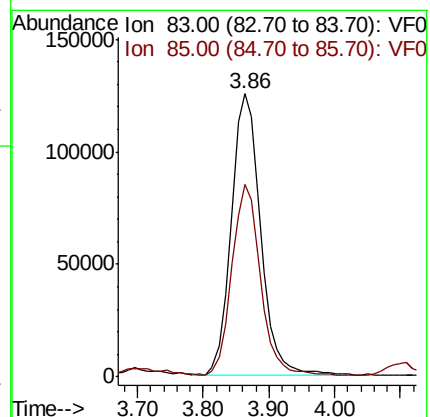
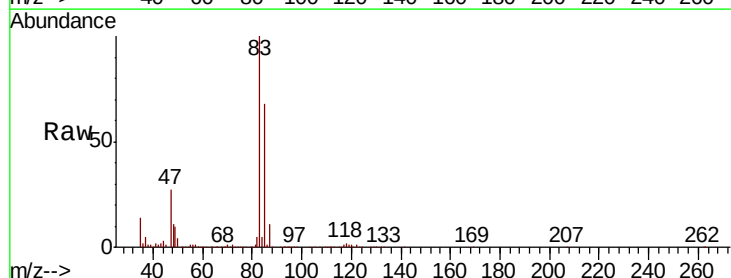
Acq: 2 Nov 2018 12:59

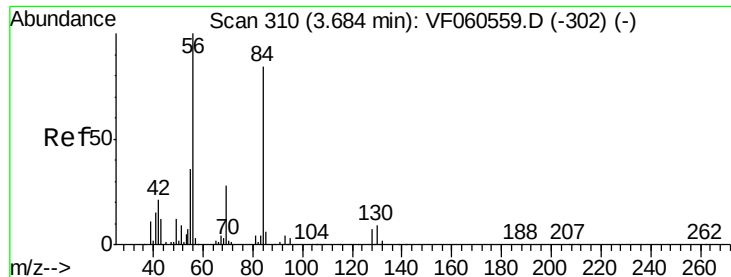
Tgt Ion: 83 Resp: 390752

Ion Ratio Lower Upper

83 100

85 67.9 53.7 80.5

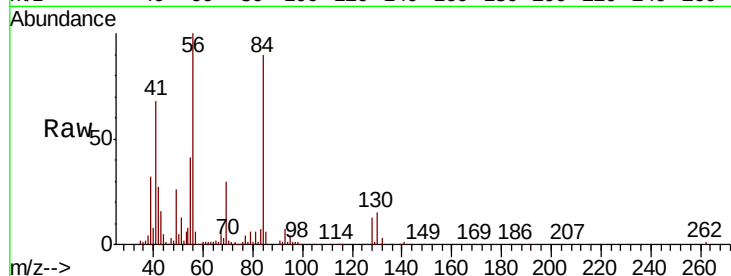




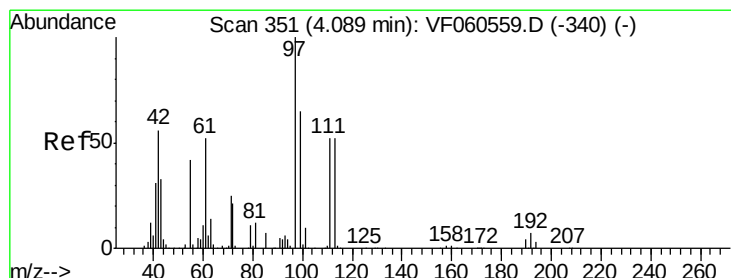
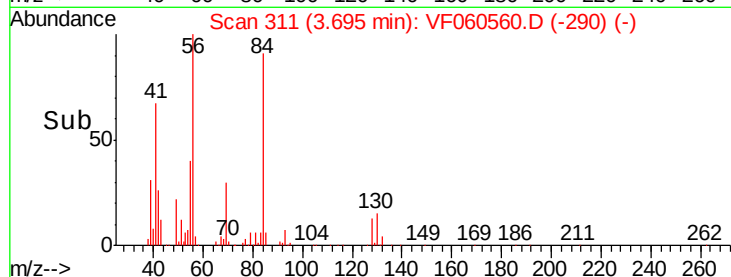
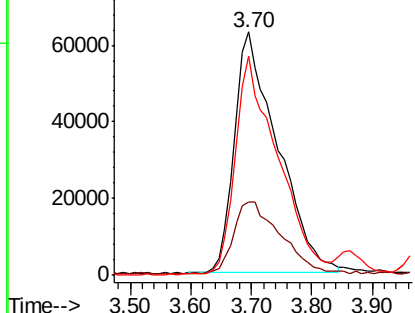
#31
Cyclohexane
Concen: 74.975 ug/l
RT: 3.70 min Scan# 311
Delta R.T. 0.01 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion: 56 Resp: 312283
Ion Ratio Lower Upper
56 100
69 30.2 23.0 34.4
84 90.0 67.1 100.7

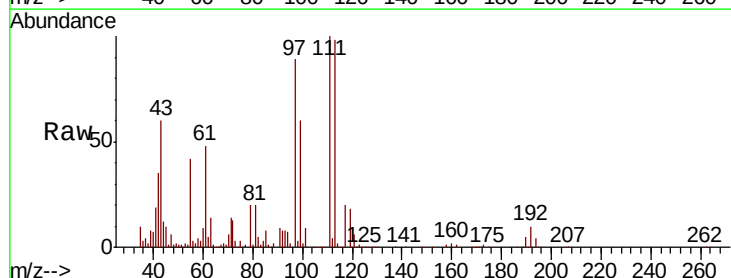


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

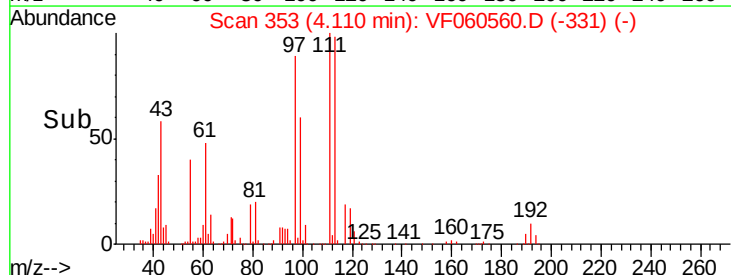
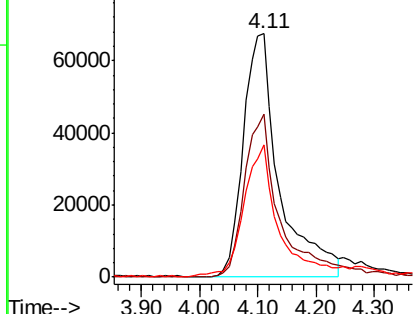


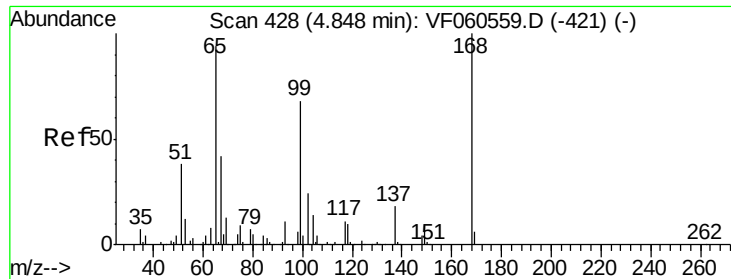
#32
1,1,1-Trichloroethane
Concen: 52.113 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.02 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

Tgt Ion: 97 Resp: 290245
Ion Ratio Lower Upper
97 100
99 67.1 52.4 78.6
61 54.3 41.5 62.3



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

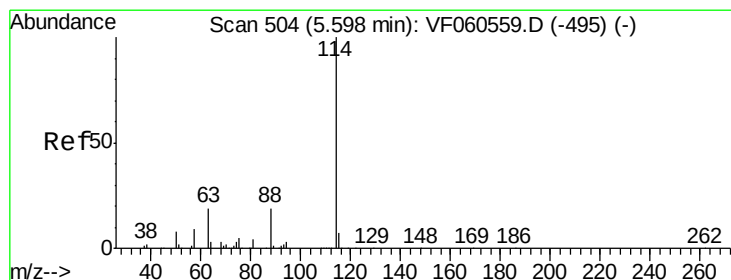
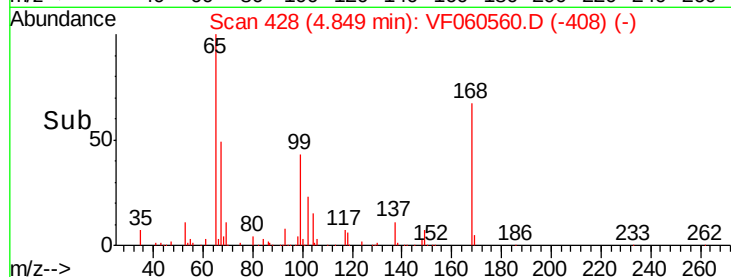
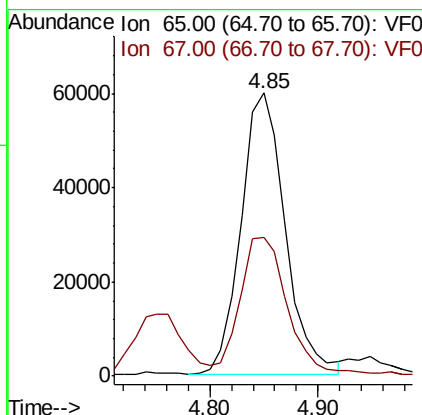
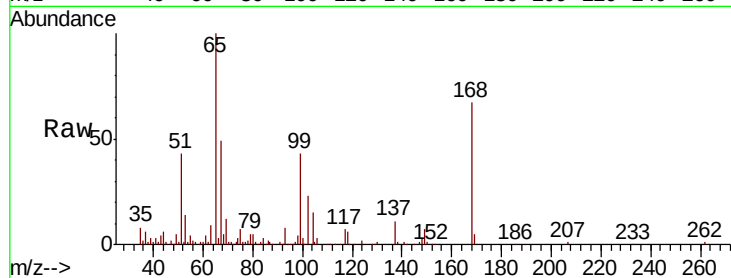




#33
 1,2-Dichloroethane-d4
 Concen: 48.758 ug/l
 RT: 4.85 min Scan# 428
 Delta R.T. 0.00 min
 Lab File: VF060560.D
 Acq: 2 Nov 2018 12:59

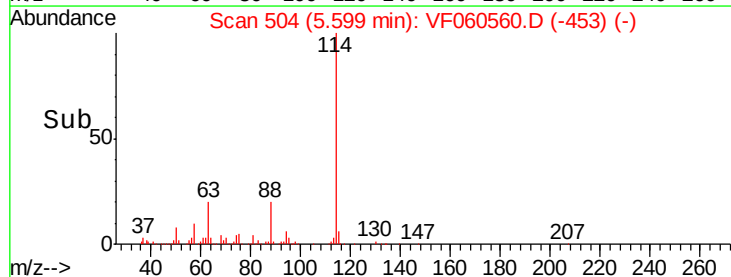
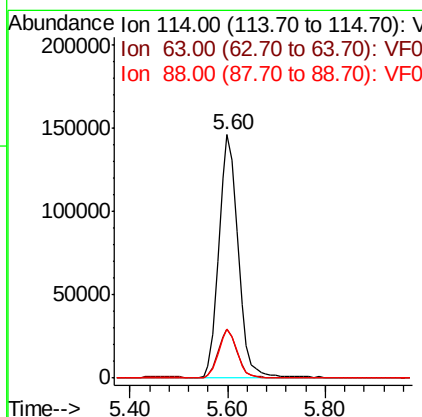
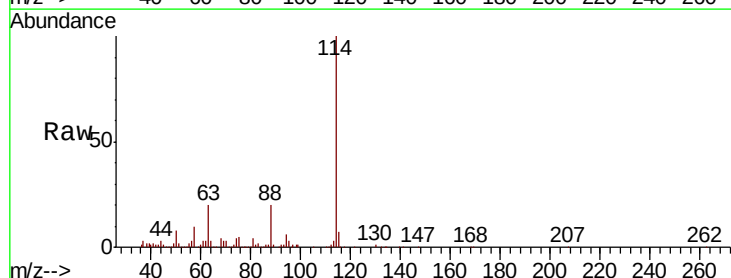
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

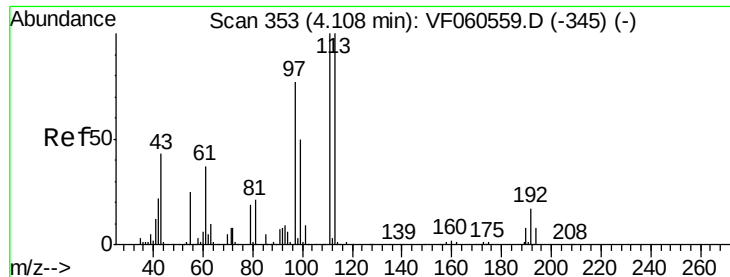
Tgt Ion: 65 Resp: 170866
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.60 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VF060560.D
 Acq: 2 Nov 2018 12:59

Tgt Ion: 114 Resp: 405766
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 20.0 0.0 38.2

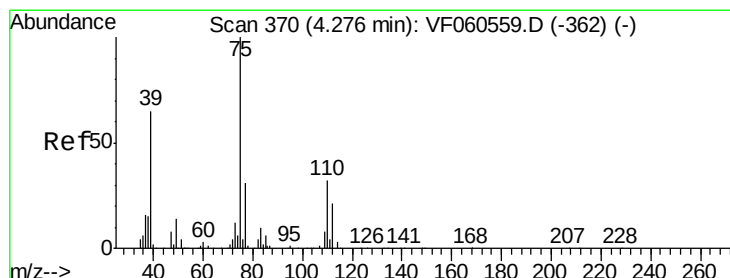
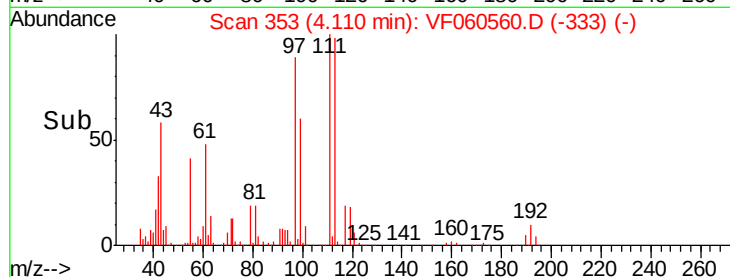
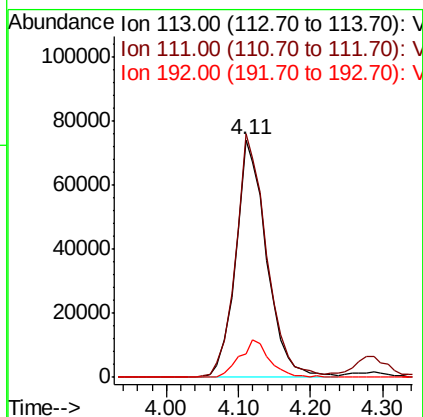
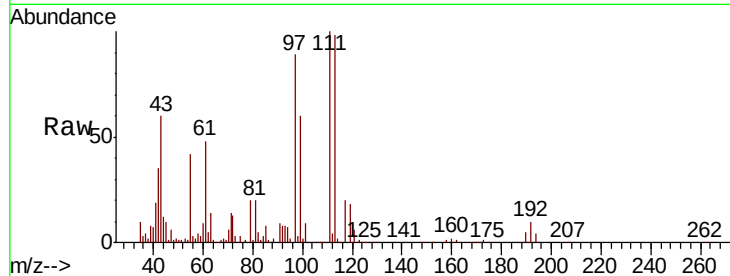




#35
 Dibromofluoromethane
 Concen: 58.034 ug/l
 RT: 4.11 min Scan# 353
 Delta R.T. 0.00 min
 Lab File: VF060560.D
 Acq: 2 Nov 2018 12:59

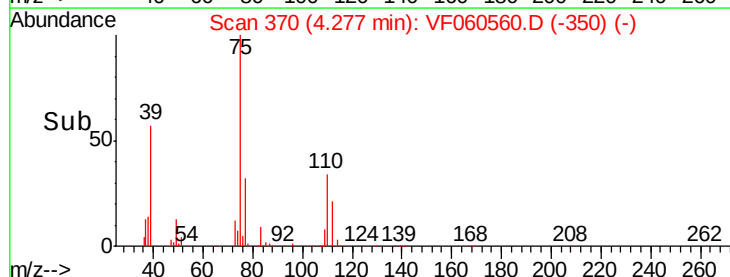
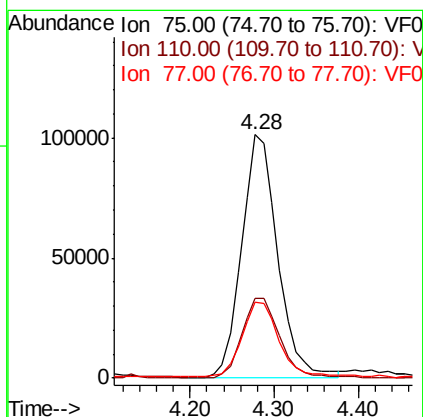
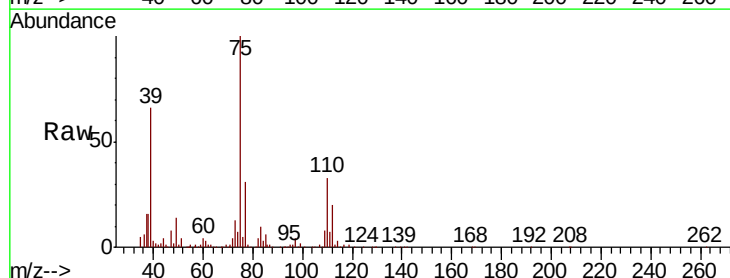
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

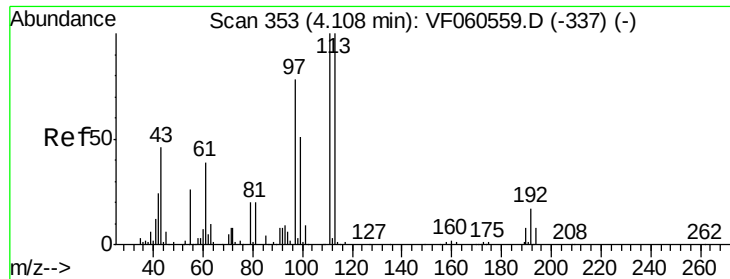
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.5	79.9	119.9
192	10.0	13.3	19.9



#36
 1,1-Dichloropropene
 Concen: 60.878 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. 0.00 min
 Lab File: VF060560.D
 Acq: 2 Nov 2018 12:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.8	16.2	48.6
77	31.2	25.0	37.6

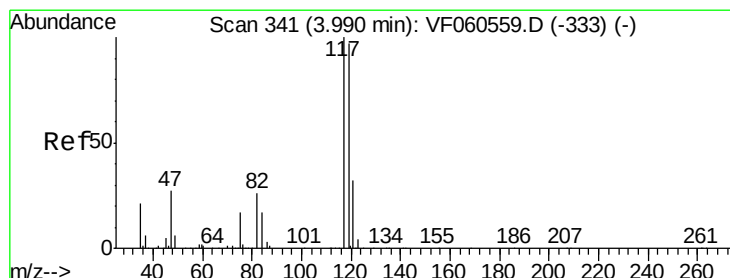
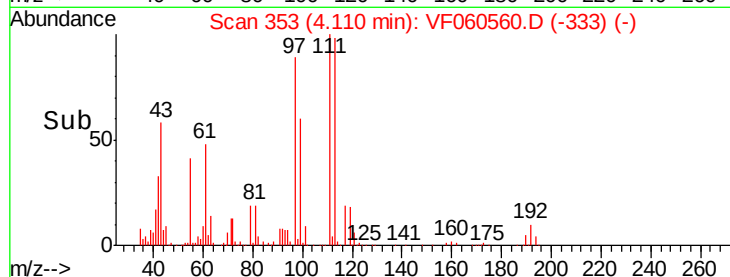
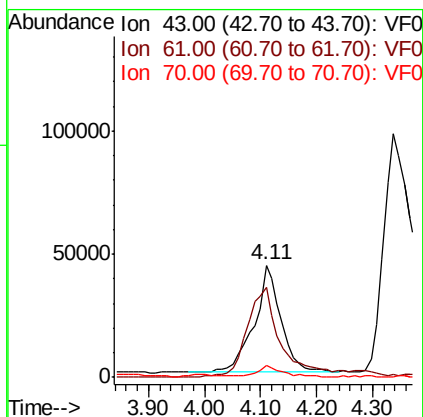
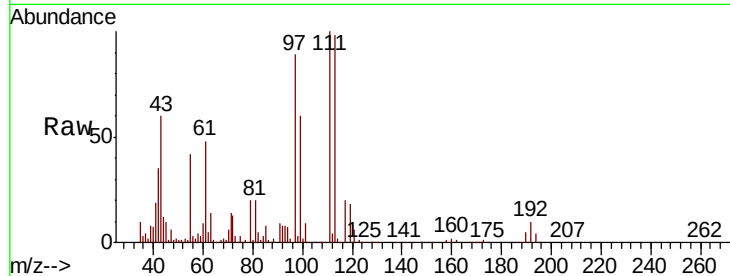




#37
Ethyl Acetate
Concen: 84.088 ug/l
RT: 4.11 min Scan# 353
Delta R.T. 0.00 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

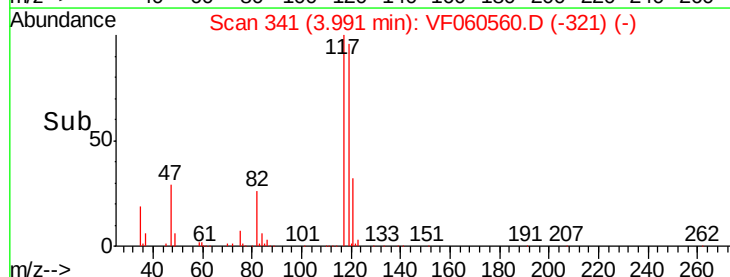
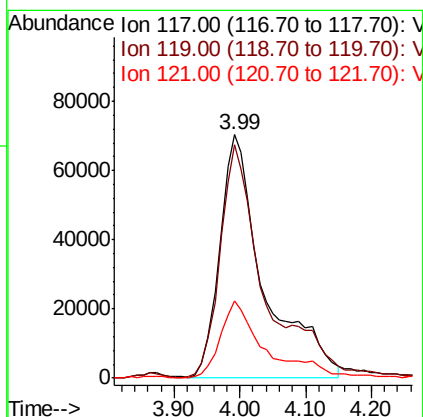
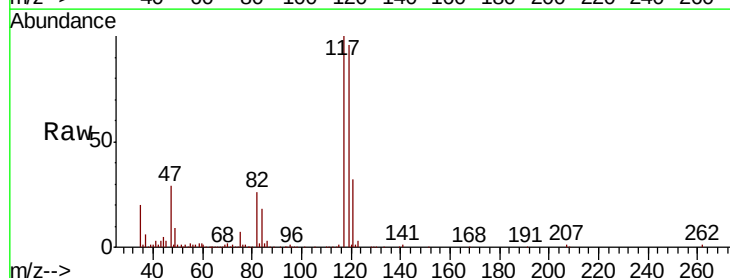
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

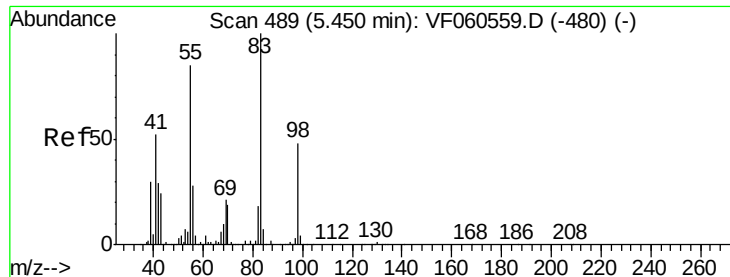
Tgt Ion: 43 Resp: 142829
Ion Ratio Lower Upper
43 100
61 80.4 63.4 95.2
70 10.8 9.3 13.9



#38
Carbon Tetrachloride
Concen: 57.503 ug/l
RT: 3.99 min Scan# 341
Delta R.T. 0.00 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

Tgt Ion: 117 Resp: 326785
Ion Ratio Lower Upper
117 100
119 96.0 77.8 116.6
121 31.9 25.6 38.4

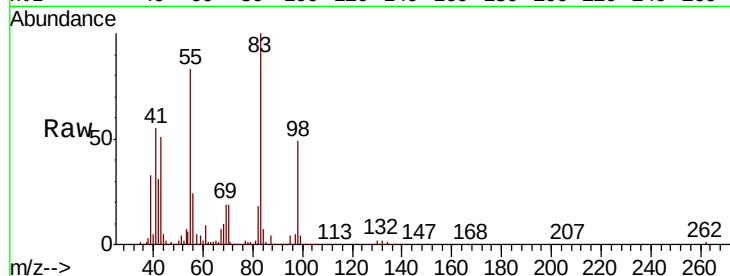




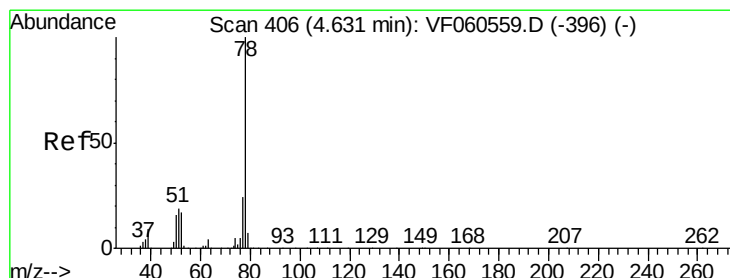
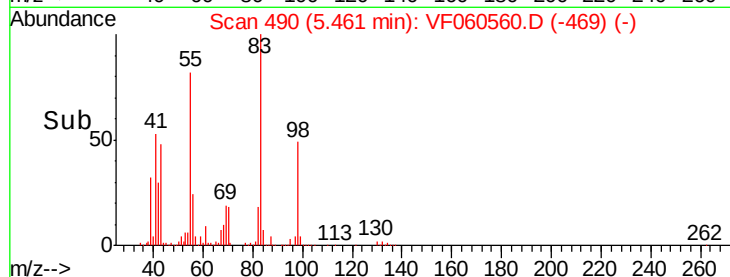
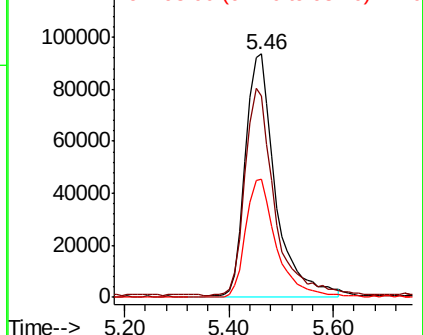
#39
Methylcyclohexane
Concen: 69.984 ug/l
RT: 5.46 min Scan# 490
Delta R.T. 0.01 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion: 83 Resp: 365216
Ion Ratio Lower Upper
83 100
55 82.7 69.1 103.7
98 48.5 38.6 57.8

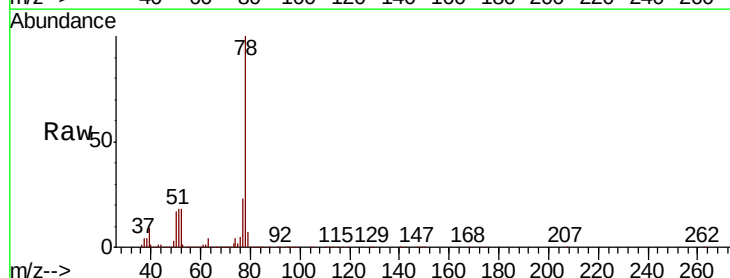


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

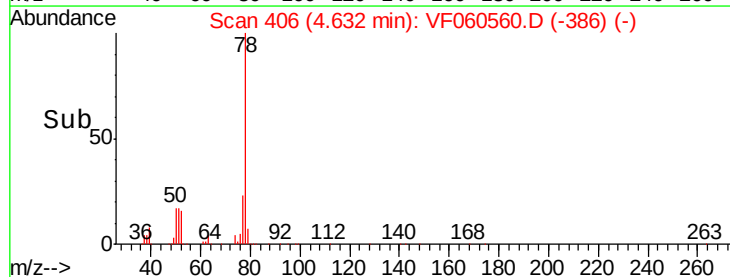
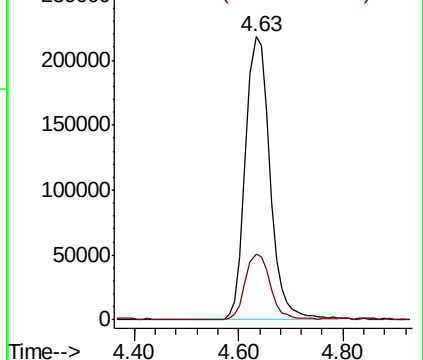


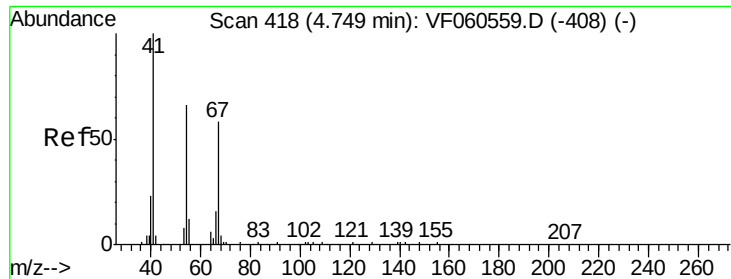
#40
Benzene
Concen: 68.356 ug/l
RT: 4.63 min Scan# 406
Delta R.T. 0.00 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

Tgt Ion: 78 Resp: 694926
Ion Ratio Lower Upper
78 100
77 23.1 19.3 28.9



Abundance Ion 78.10 (77.80 to 78.80): VF0
Ion 77.00 (76.70 to 77.70): VF0

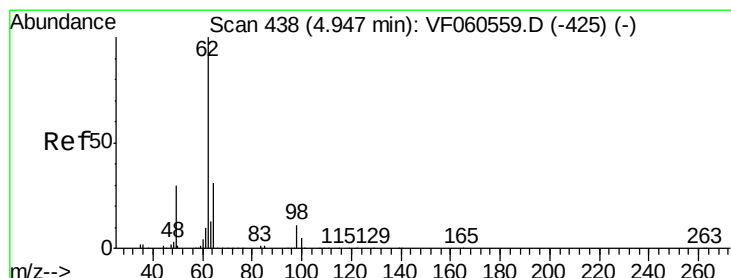
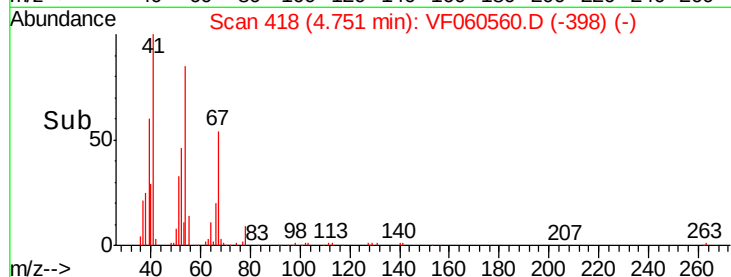
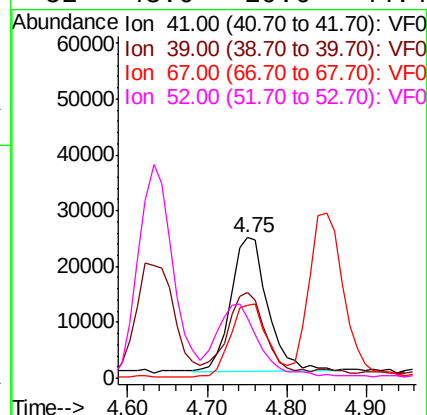
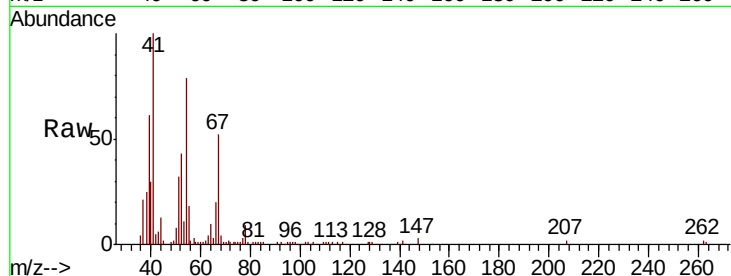




#41
Methacrylonitrile
Concen: 80.337 ug/l
RT: 4.75 min Scan# 418
Delta R.T. 0.00 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

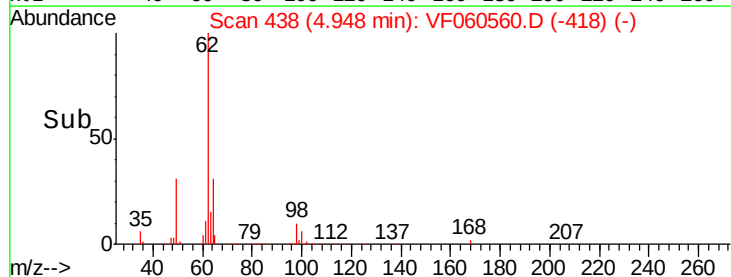
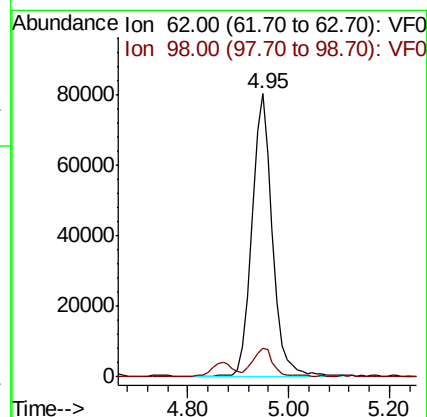
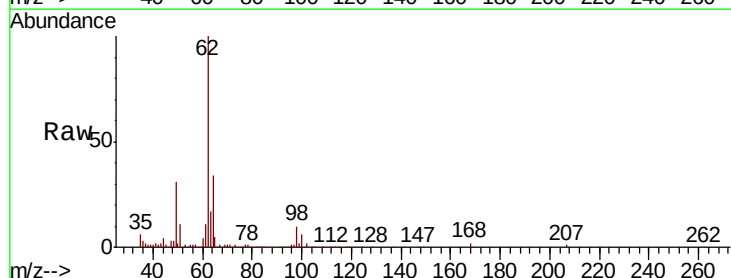
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

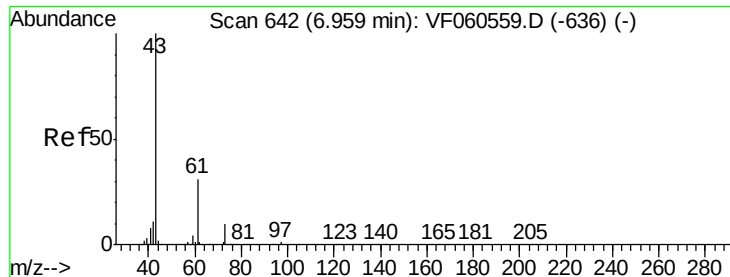
Tgt Ion:	41	Resp:	78152
Ion	Ratio	Lower	Upper
41	100		
39	61.2	45.6	68.4
67	52.1	45.3	67.9
52	43.0	29.6	44.4



#42
1,2-Dichloroethane
Concen: 52.122 ug/l
RT: 4.95 min Scan# 438
Delta R.T. 0.00 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

Tgt Ion:	62	Resp:	228448
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	22.4





#43

Isopropyl Acetate

Concen: 97.155 ug/l

RT: 6.96 min Scan# 642

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

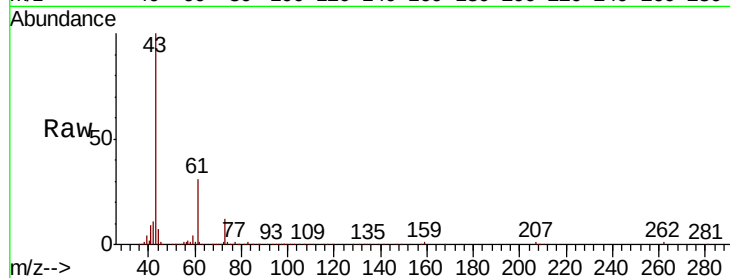
Tgt Ion: 43 Resp: 196887

Ion Ratio Lower Upper

43 100

61 30.7 24.2 36.2

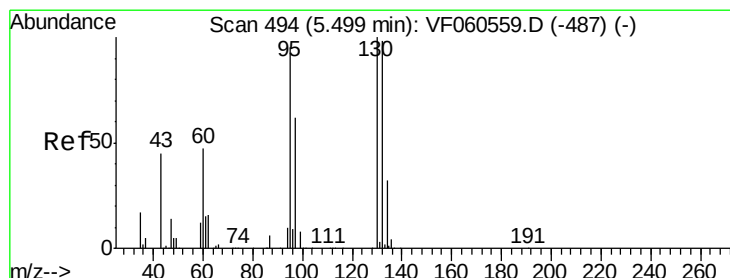
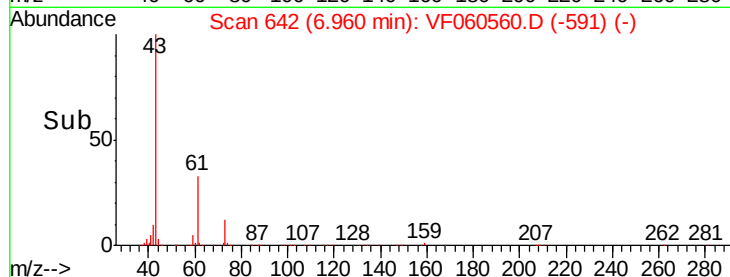
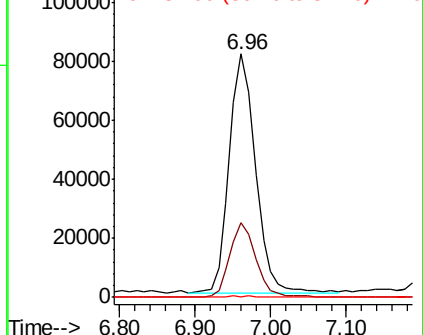
87 0.3 0.2 0.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0



#44

Trichloroethene

Concen: 68.144 ug/l

RT: 5.51 min Scan# 495

Delta R.T. 0.01 min

Lab File: VF060560.D

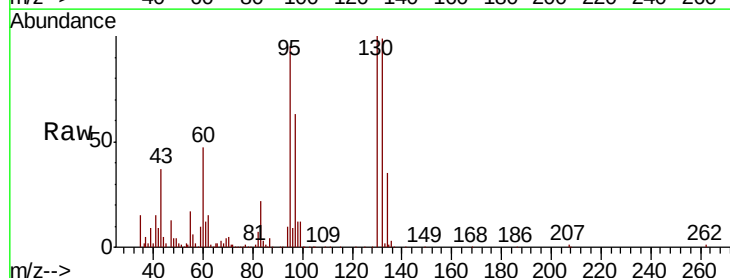
Acq: 2 Nov 2018 12:59

Tgt Ion: 130 Resp: 222672

Ion Ratio Lower Upper

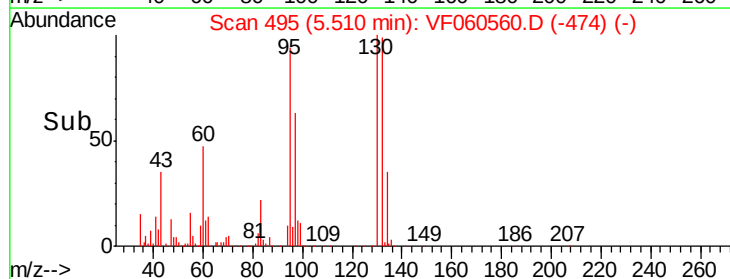
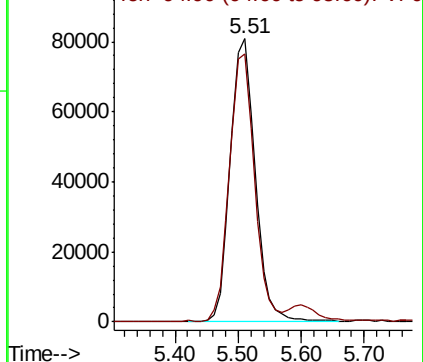
130 100

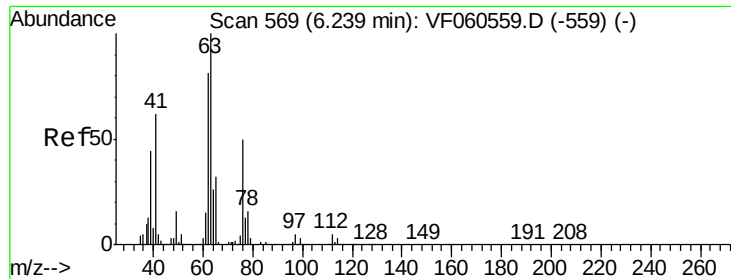
95 94.5 0.0 191.0



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VF0

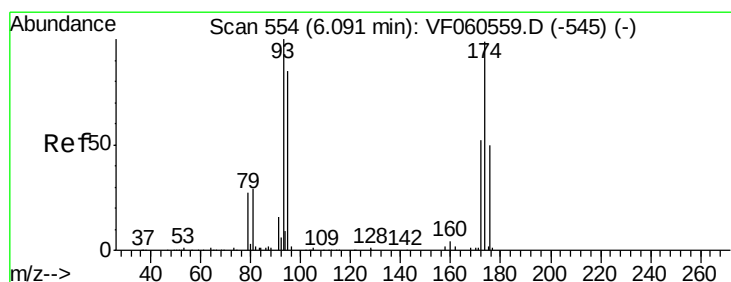
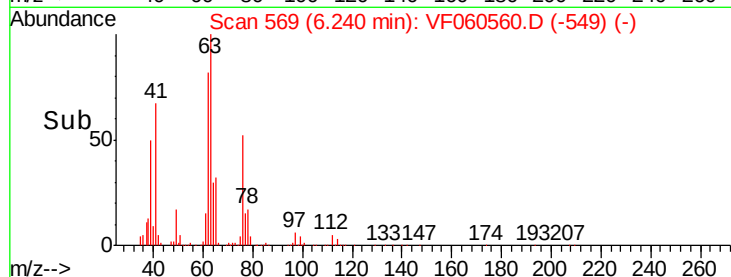
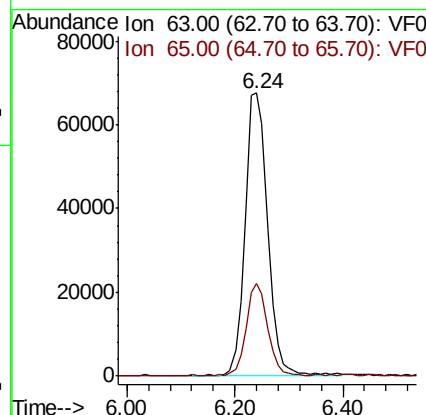
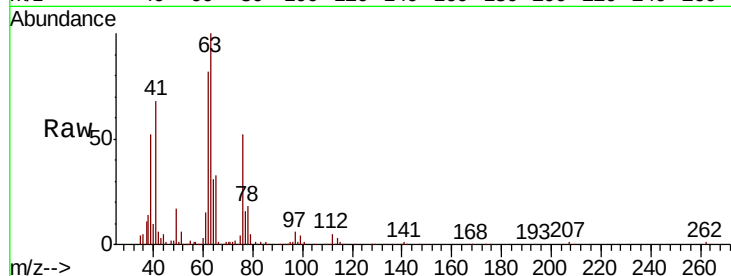




#45
 1,2-Dichloropropane
 Concen: 76.800 ug/l
 RT: 6.24 min Scan# 569
 Delta R.T. 0.00 min
 Lab File: VF060560.D
 Acq: 2 Nov 2018 12:59

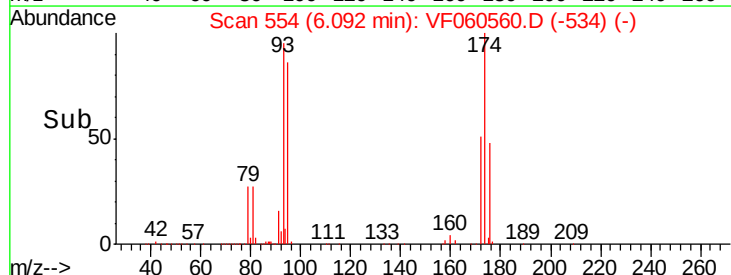
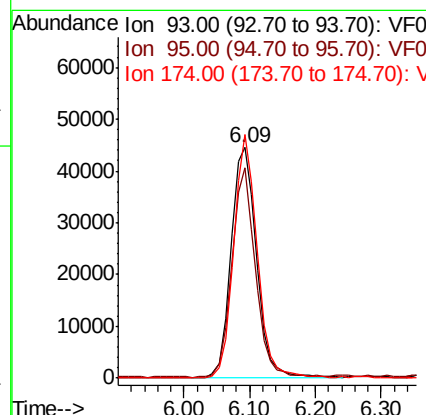
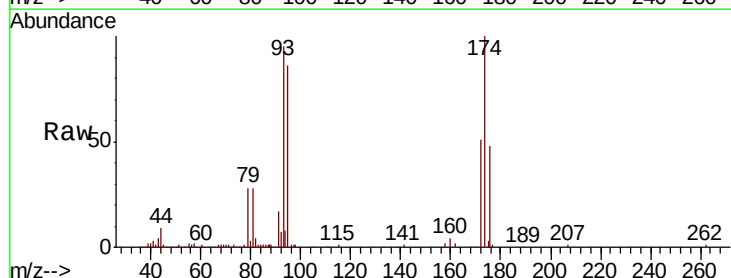
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

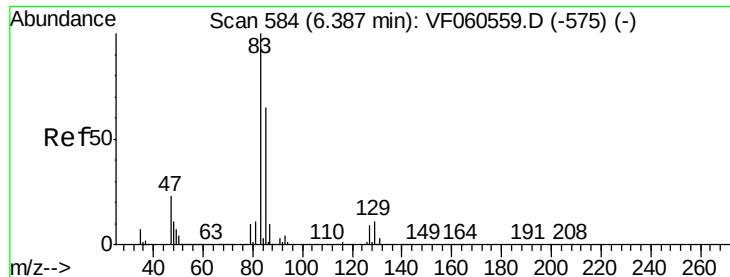
Tgt Ion: 63 Resp: 195048
 Ion Ratio Lower Upper
 63 100
 65 32.7 25.4 38.0



#46
 Dibromomethane
 Concen: 63.402 ug/l
 RT: 6.09 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: VF060560.D
 Acq: 2 Nov 2018 12:59

Tgt Ion: 93 Resp: 121480
 Ion Ratio Lower Upper
 93 100
 95 91.3 68.6 102.8
 174 105.5 79.0 118.4





#47

Bromodichloromethane

Concen: 60.606 ug/l

RT: 6.39 min Scan# 584

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

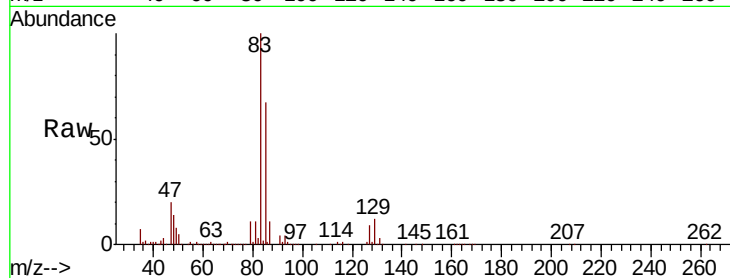
Tgt Ion: 83 Resp: 294222

Ion Ratio Lower Upper

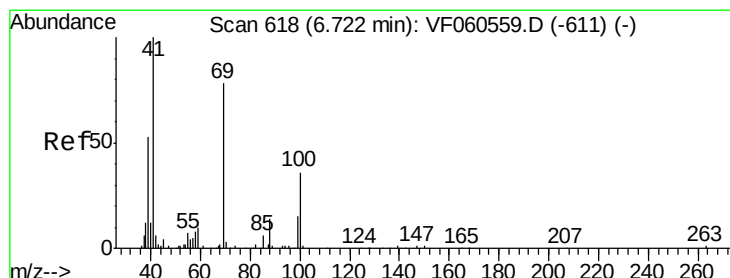
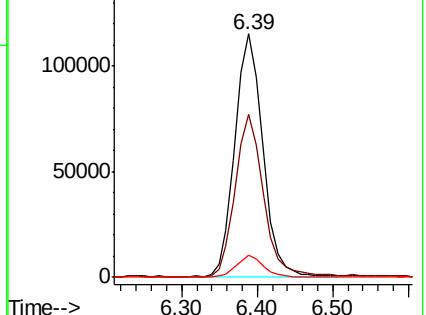
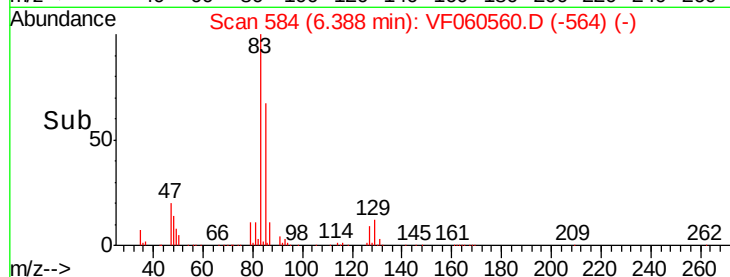
83 100

85 67.1 51.8 77.6

127 8.9 7.0 10.4



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: 86.871 ug/l

RT: 6.72 min Scan# 618

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

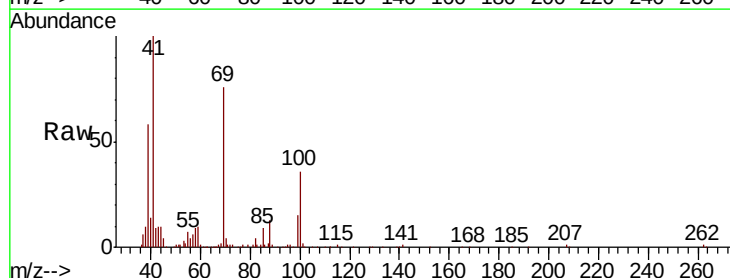
Tgt Ion: 41 Resp: 118980

Ion Ratio Lower Upper

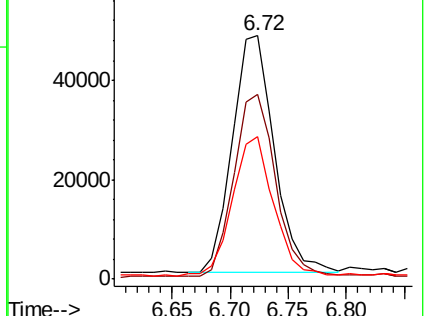
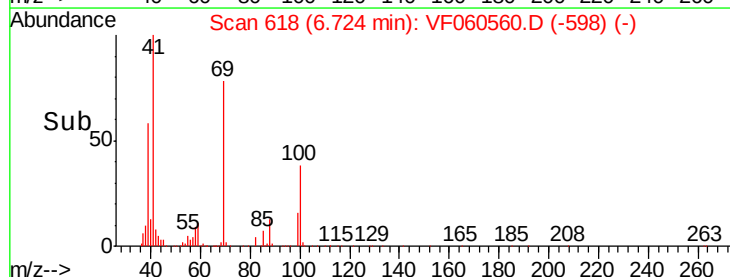
41 100

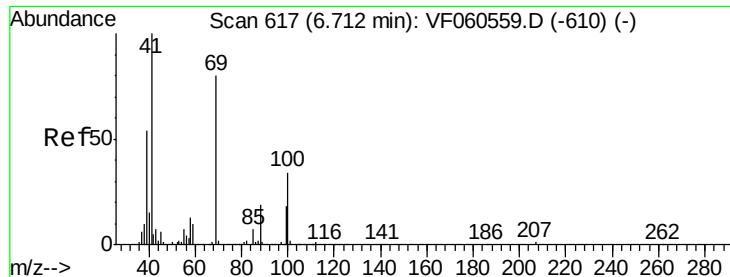
69 75.6 61.1 91.7

39 58.3 43.0 64.6



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

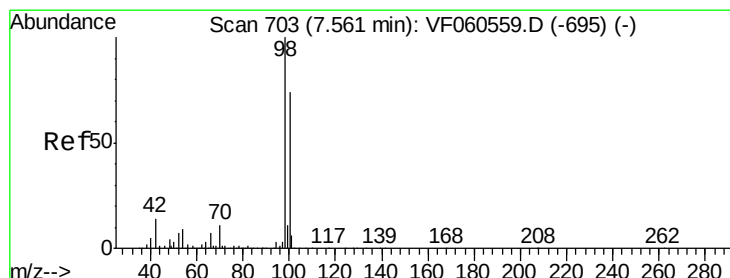
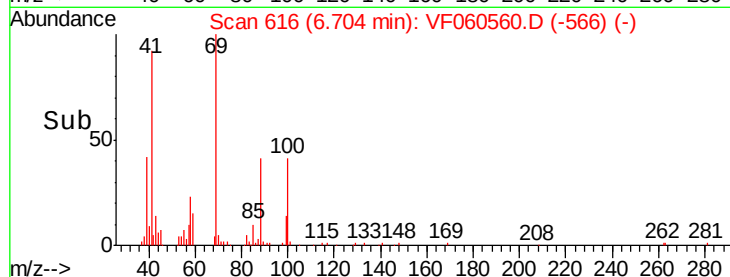
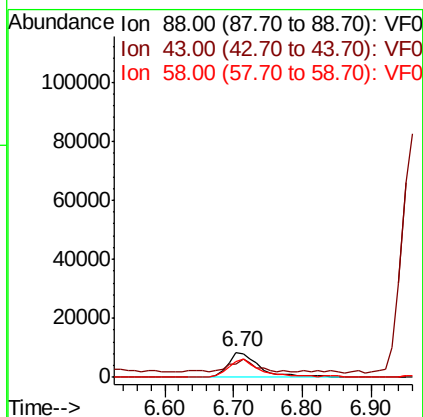
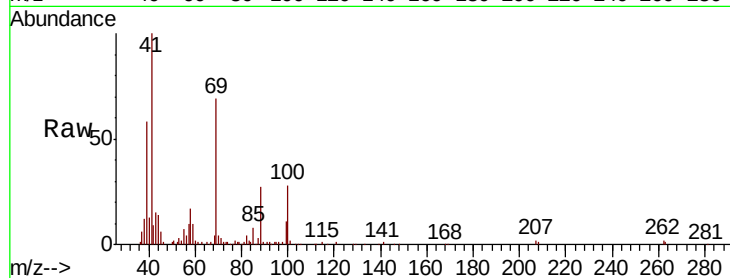




#49
1,4-Dioxane
Concen: 2012.803 ug/l
RT: 6.70 min Scan# 616
Delta R.T. -0.01 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

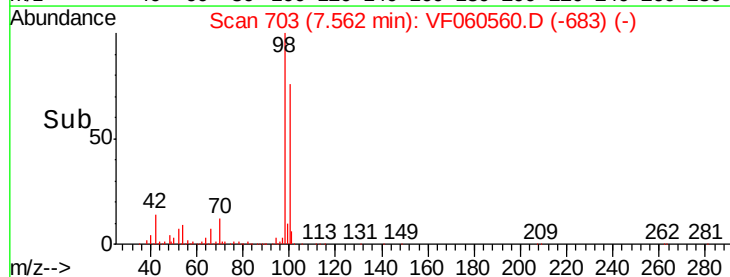
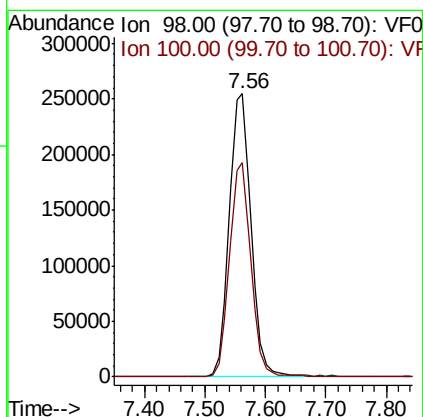
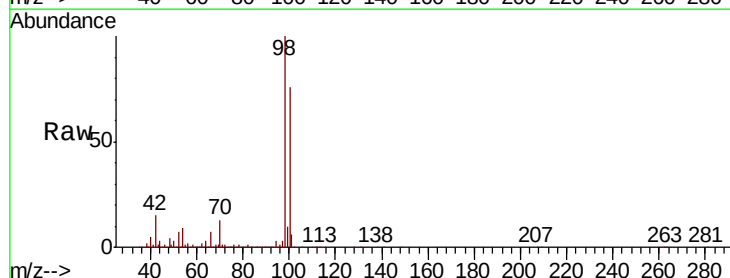
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

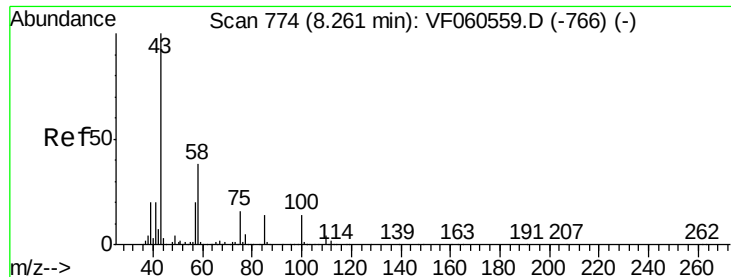
Tgt Ion: 88 Resp: 26897
Ion Ratio Lower Upper
88 100
43 54.7 61.2 91.8#
58 60.9 56.9 85.3



#50
Toluene-d8
Concen: 68.129 ug/l
RT: 7.56 min Scan# 703
Delta R.T. 0.00 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

Tgt Ion: 98 Resp: 640303
Ion Ratio Lower Upper
98 100
100 75.6 59.4 89.2





#51

4-Methyl-2-Pentanone

Concen: 416.011 ug/l

RT: 8.26 min Scan# 774

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

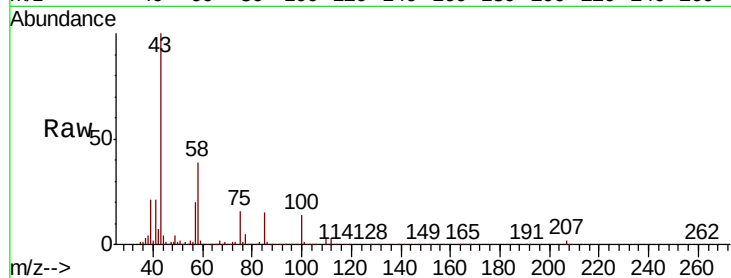
VSTDIC075

Tgt Ion: 43 Resp: 607681

Ion Ratio Lower Upper

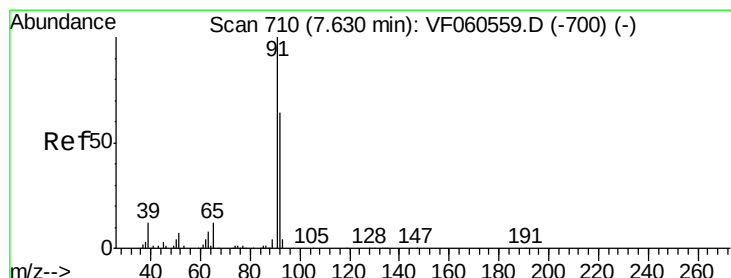
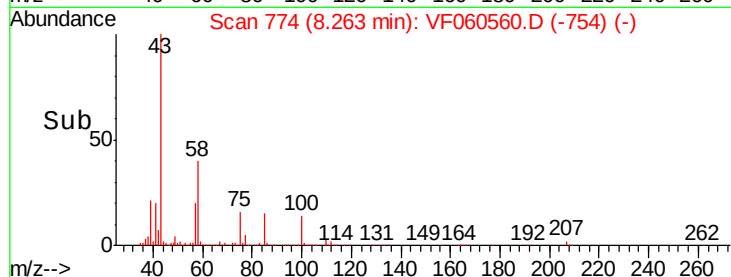
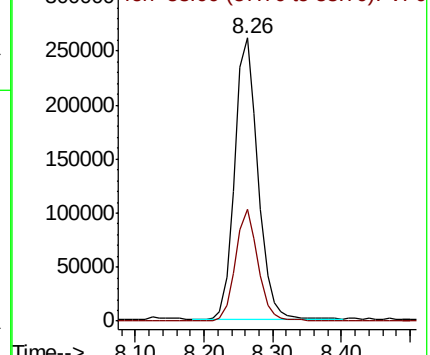
43 100

58 39.4 30.1 45.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#52

Toluene

Concen: 72.383 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF060560.D

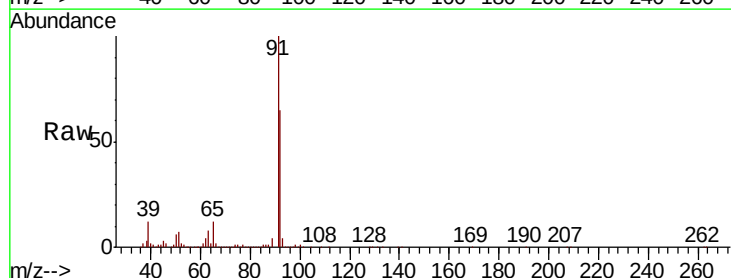
Acq: 2 Nov 2018 12:59

Tgt Ion: 92 Resp: 472241

Ion Ratio Lower Upper

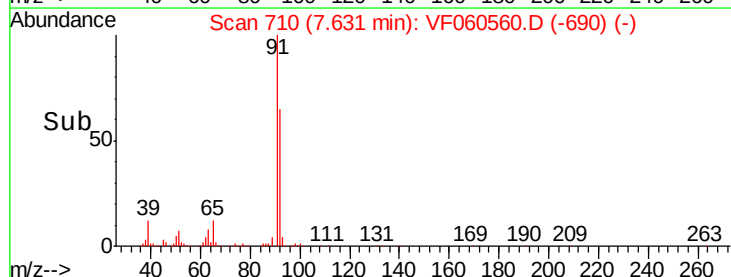
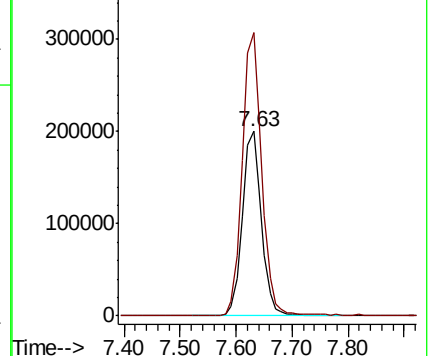
92 100

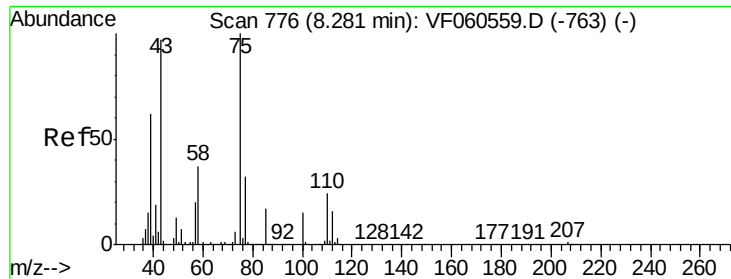
91 153.3 124.5 186.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

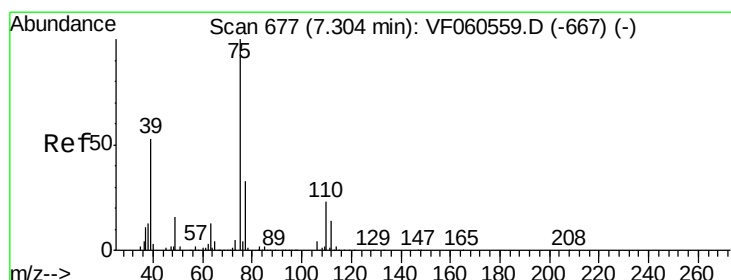
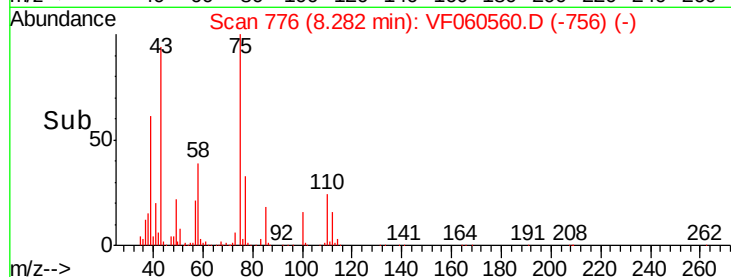
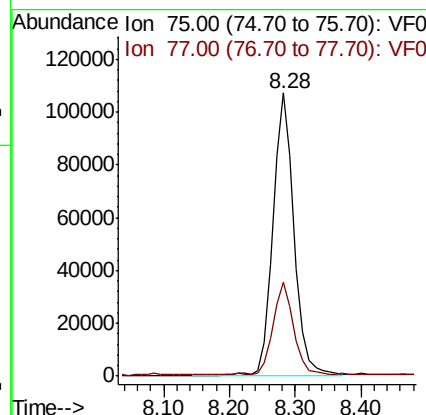
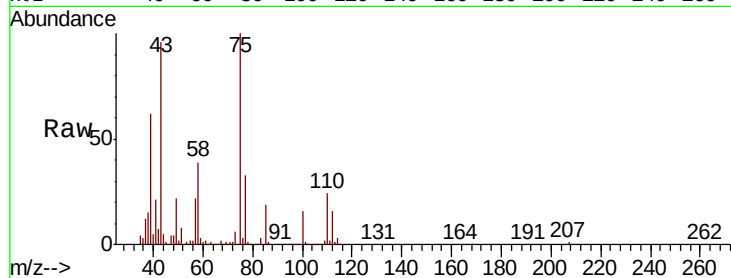




#53
t-1,3-Dichloropropene
Concen: 62.750 ug/l
RT: 8.28 min Scan# 776
Delta R.T. 0.00 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

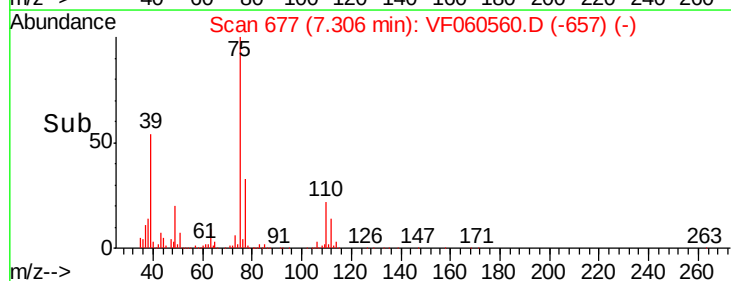
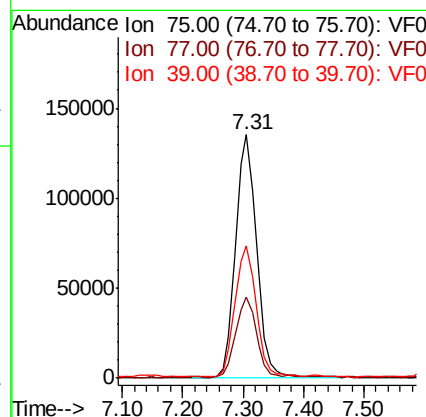
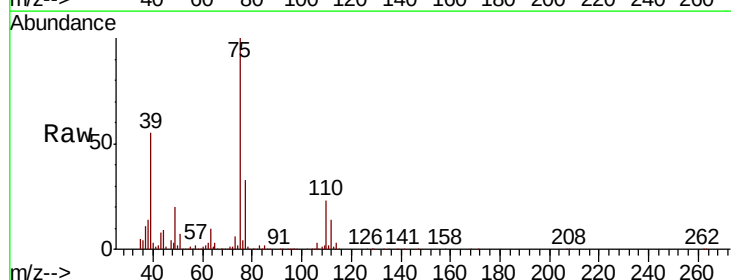
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

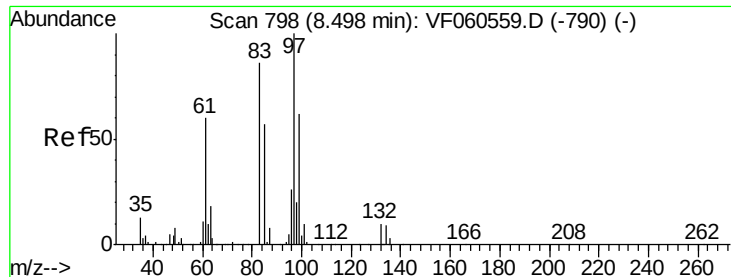
Tgt Ion: 75 Resp: 239756
Ion Ratio Lower Upper
75 100
77 33.4 25.7 38.5



#54
cis-1,3-Dichloropropene
Concen: 71.415 ug/l
RT: 7.31 min Scan# 677
Delta R.T. 0.00 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

Tgt Ion: 75 Resp: 330637
Ion Ratio Lower Upper
75 100
77 33.3 26.7 40.1
39 54.5 43.0 64.4





#55

1,1,2-Trichloroethane

Concen: 74.567 ug/l

RT: 8.49 min Scan# 797

Delta R.T. -0.01 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

Tgt Ion: 97 Resp: 142631

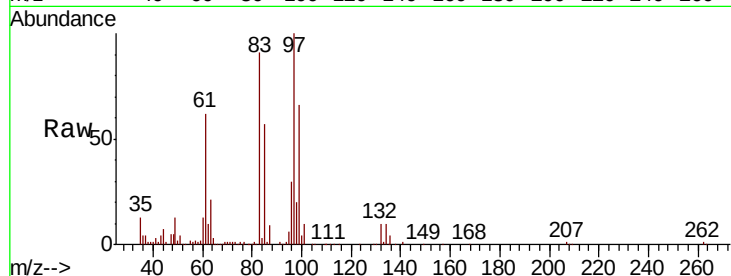
Ion Ratio Lower Upper

97 100

83 90.6 69.4 104.0

85 57.4 46.6 69.8

99 66.4 50.0 75.0

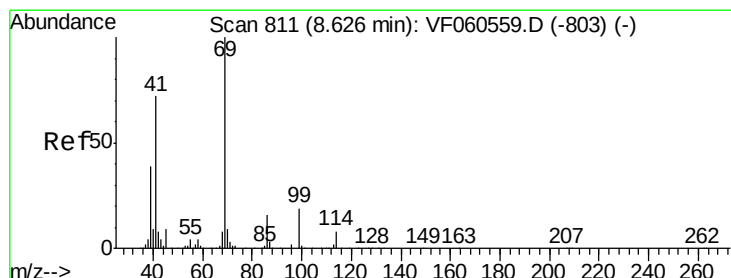
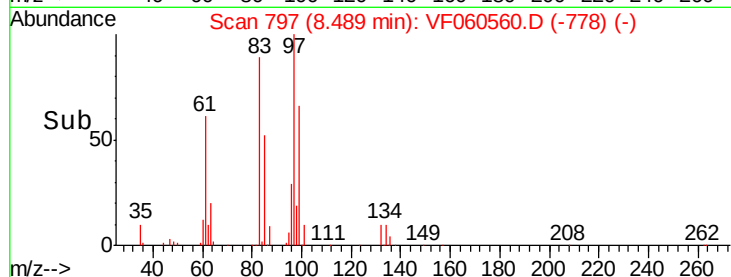
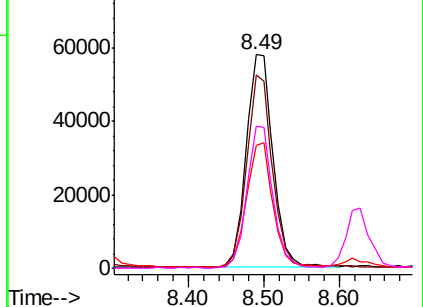


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 84.843 ug/l

RT: 8.62 min Scan# 810

Delta R.T. -0.01 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

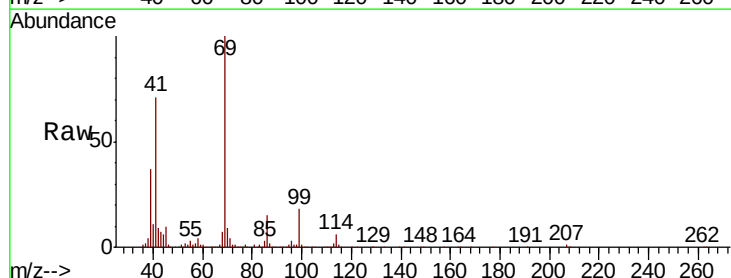
Tgt Ion: 69 Resp: 183745

Ion Ratio Lower Upper

69 100

41 71.5 59.2 88.8

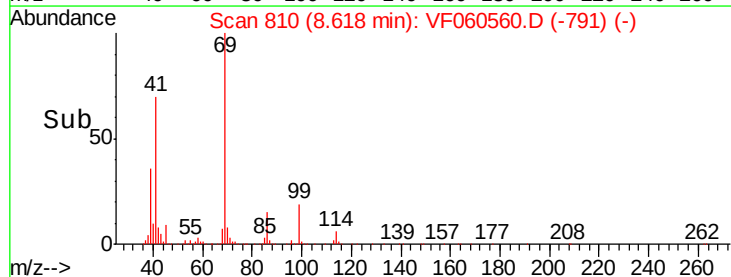
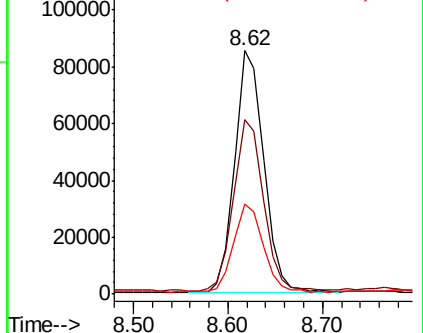
39 37.0 32.3 48.5

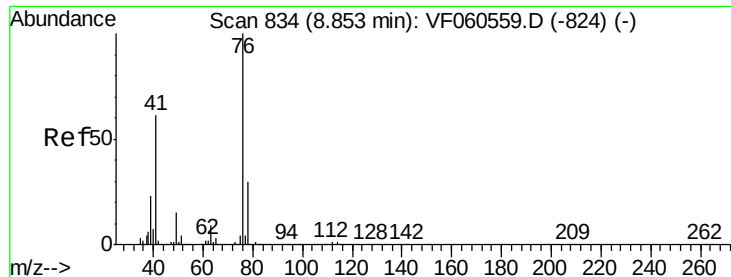


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 77.373 ug/l

RT: 8.85 min Scan# 834

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

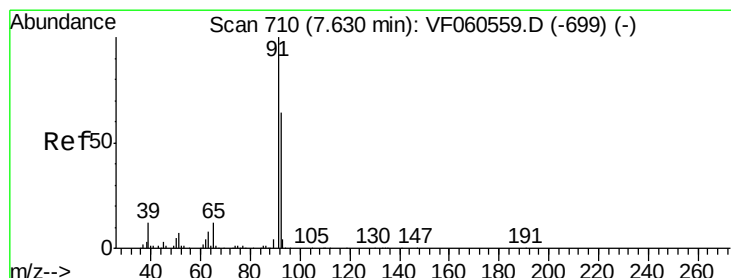
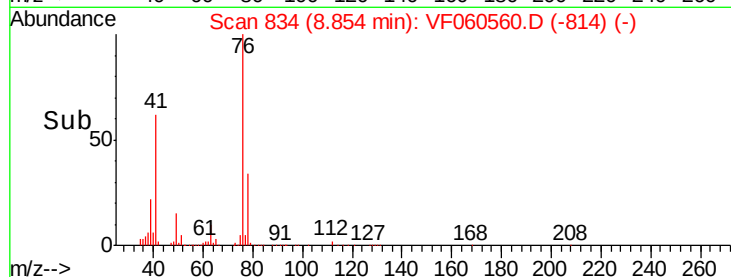
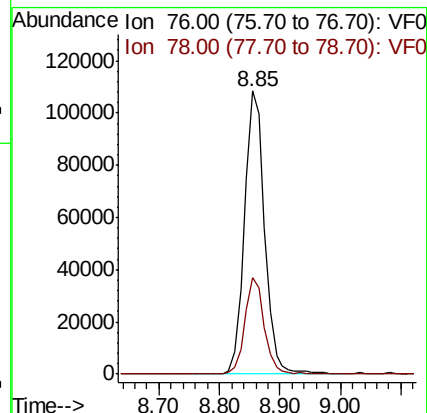
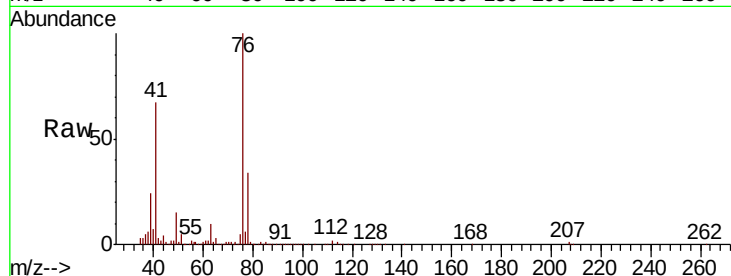
VSTDIC075

Tgt Ion: 76 Resp: 250677

Ion Ratio Lower Upper

76 100

78 34.3 24.2 36.4



#58

2-Chloroethyl Vinyl ether

Concen: 278.432 ug/l

RT: 7.63 min Scan# 710

Delta R.T. 0.00 min

Lab File: VF060560.D

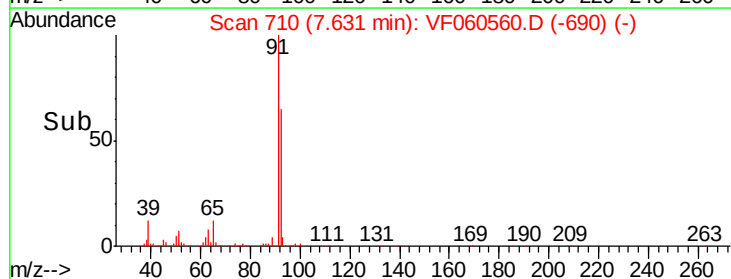
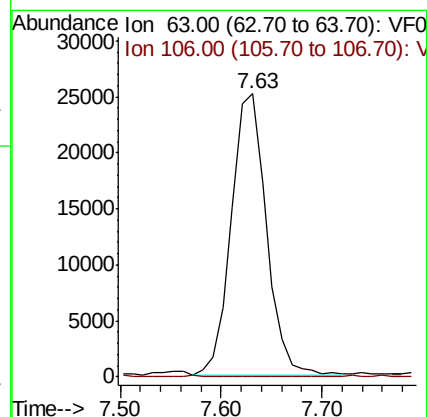
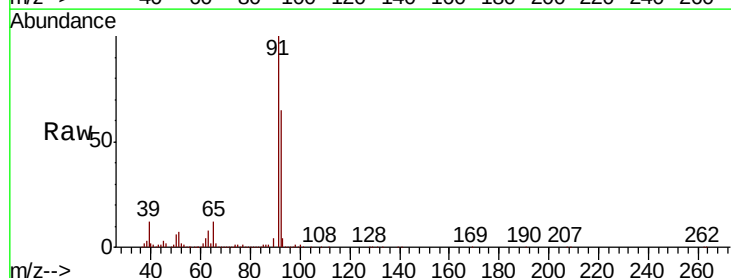
Acq: 2 Nov 2018 12:59

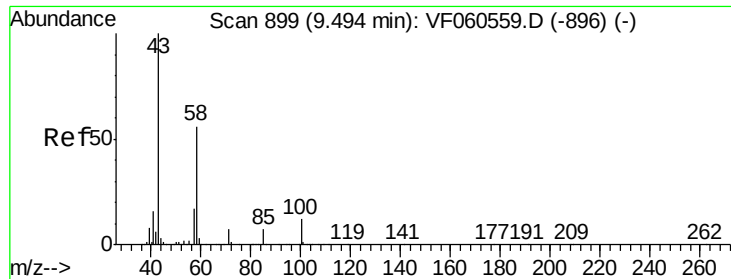
Tgt Ion: 63 Resp: 60595

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

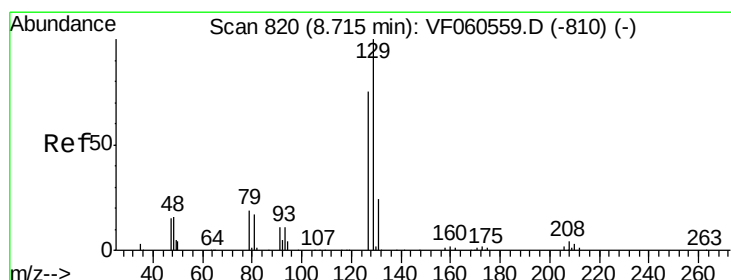
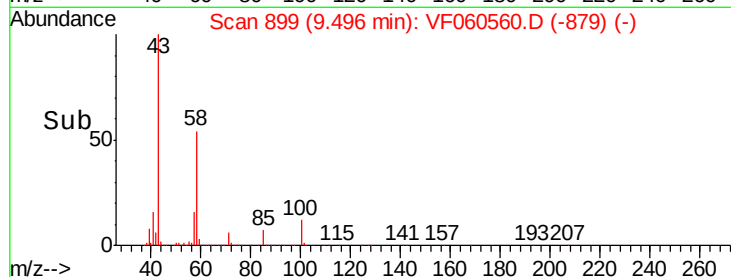
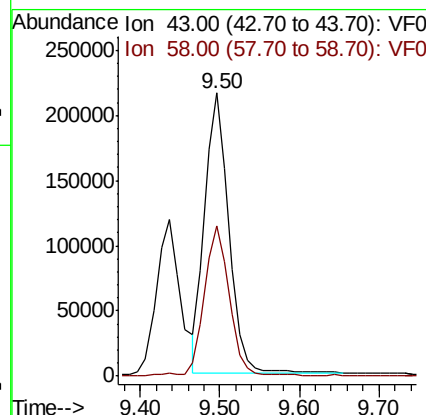
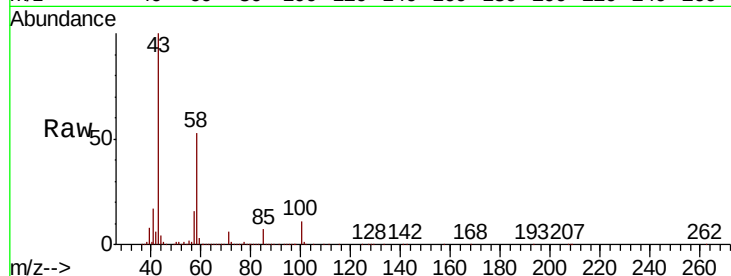




#59
2-Hexanone
Concen: 424.136 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.00 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

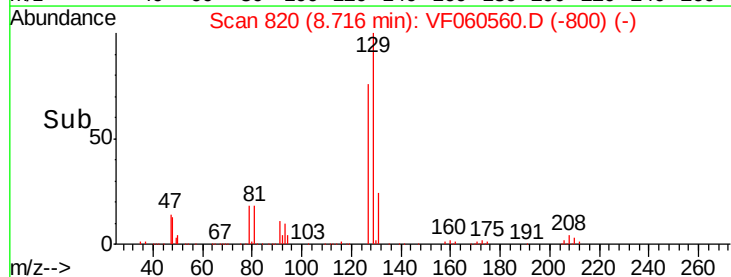
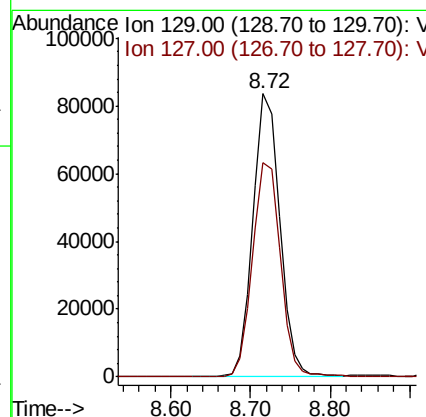
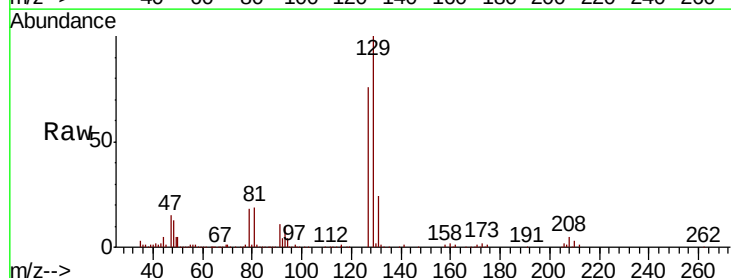
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

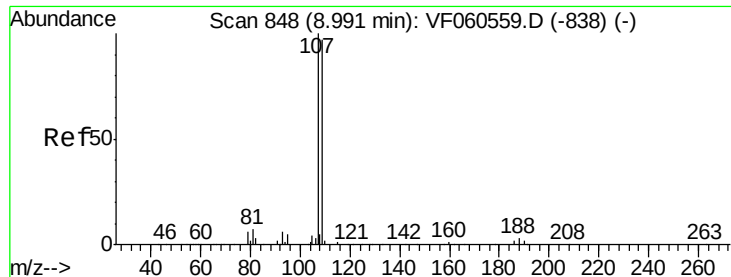
Tgt Ion: 43 Resp: 448748
Ion Ratio Lower Upper
43 100
58 53.2 26.1 78.3



#60
Dibromochloromethane
Concen: 64.050 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.00 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

Tgt Ion: 129 Resp: 194901
Ion Ratio Lower Upper
129 100
127 75.5 37.8 113.3





#61

1,2-Dibromoethane

Concen: 69.618 ug/l

RT: 8.99 min Scan# 848

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

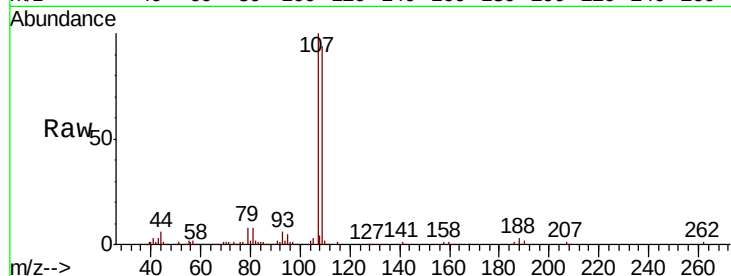
VSTDIC075

Tgt Ion: 107 Resp: 153488

Ion Ratio Lower Upper

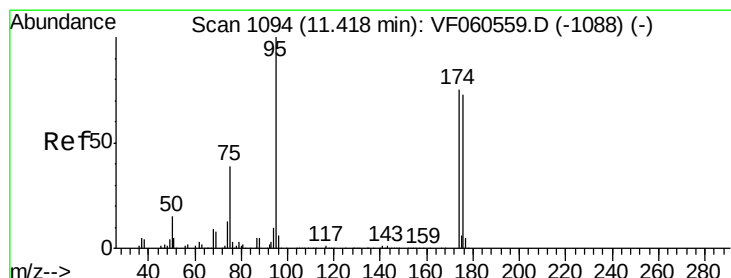
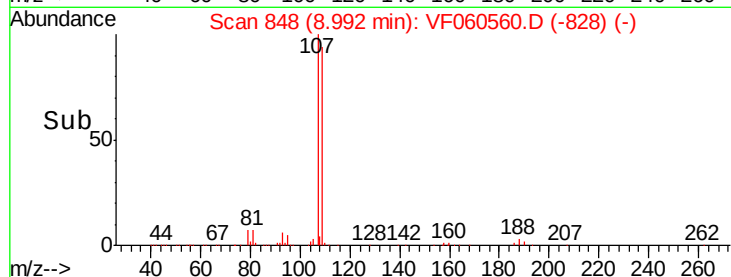
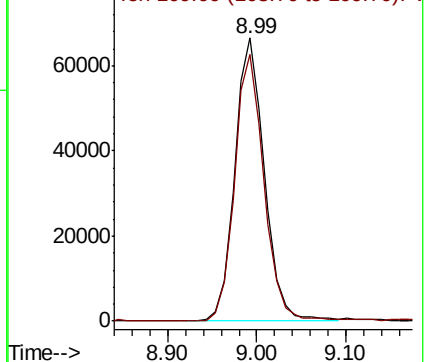
107 100

109 94.2 77.5 116.3



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 62.905 ug/l

RT: 11.42 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

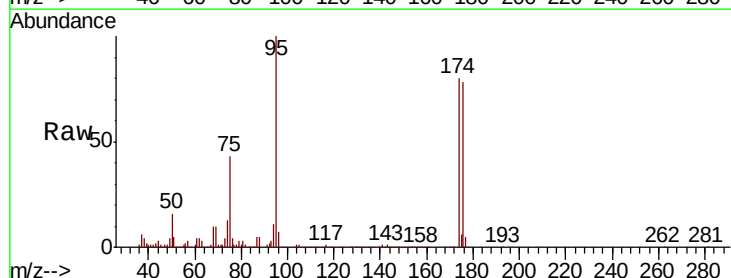
Tgt Ion: 95 Resp: 270285

Ion Ratio Lower Upper

95 100

174 79.7 0.0 149.0

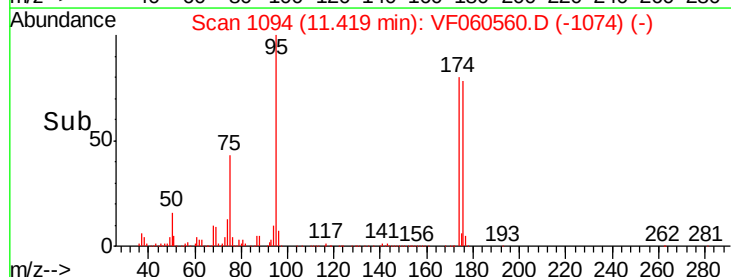
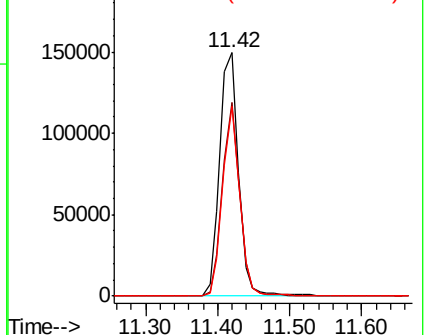
176 78.1 0.0 145.6

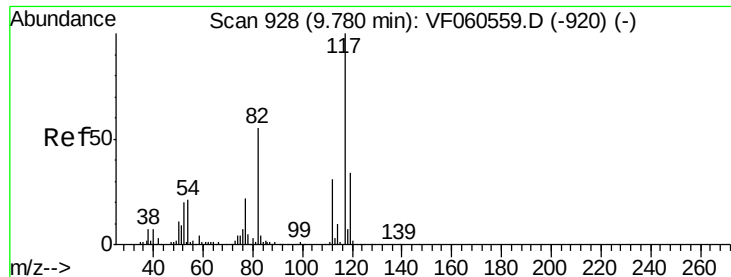


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

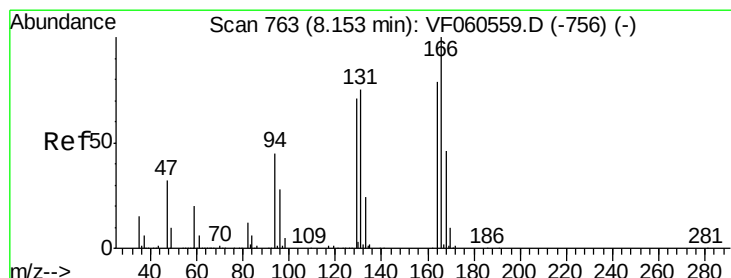
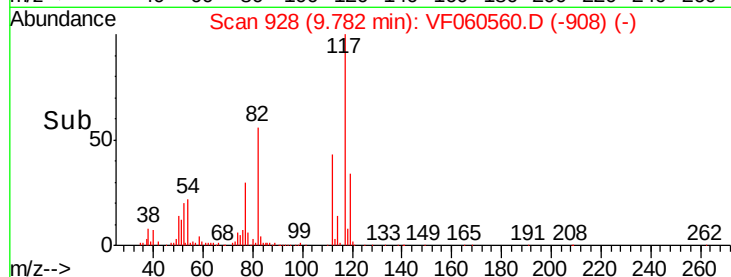
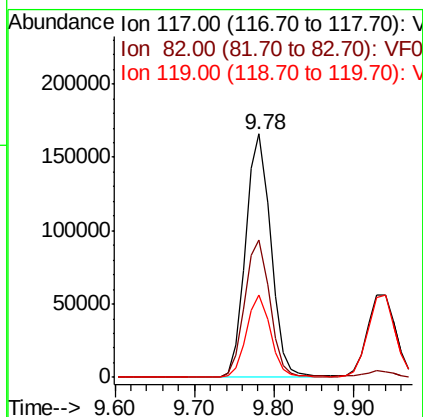
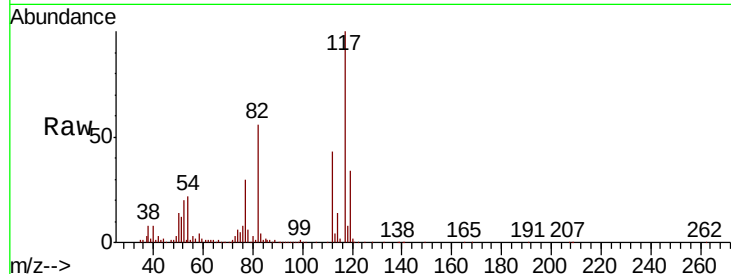




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 928
Delta R.T. 0.00 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

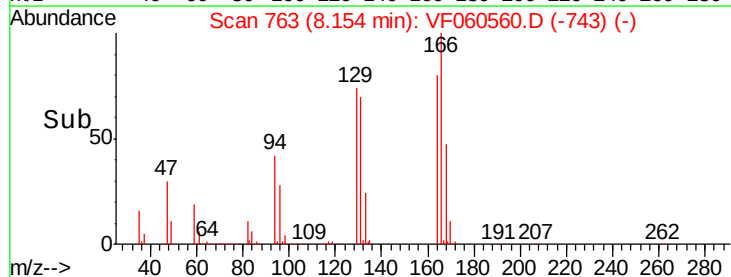
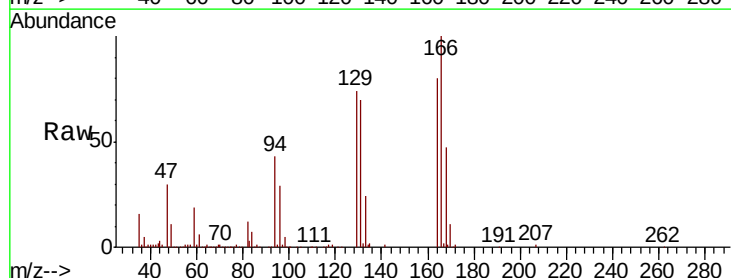
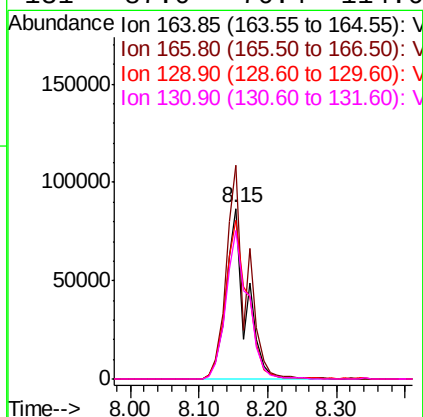
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

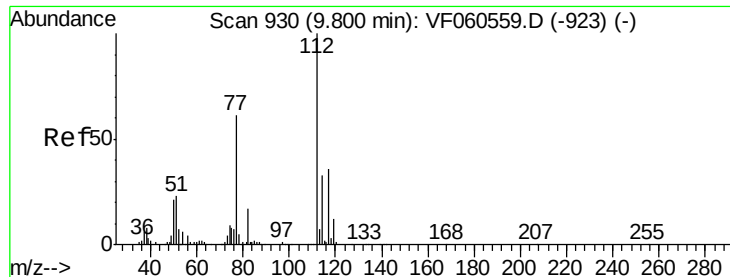
Tgt Ion:117 Resp: 362923
Ion Ratio Lower Upper
117 100
82 56.2 43.9 65.9
119 33.6 27.4 41.0



#64
Tetrachloroethene
Concen: 57.002 ug/l
RT: 8.15 min Scan# 763
Delta R.T. 0.00 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

Tgt Ion:164 Resp: 172149
Ion Ratio Lower Upper
164 100
166 125.2 101.5 152.3
129 92.7 72.5 108.7
131 87.0 76.4 114.6

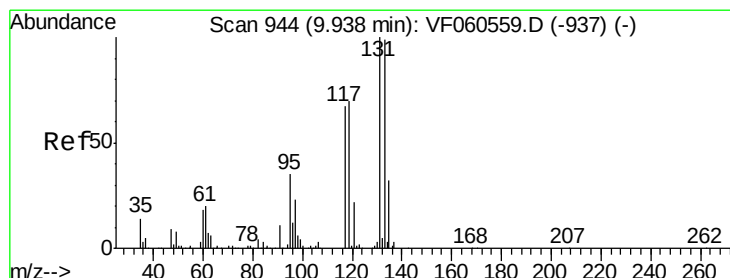
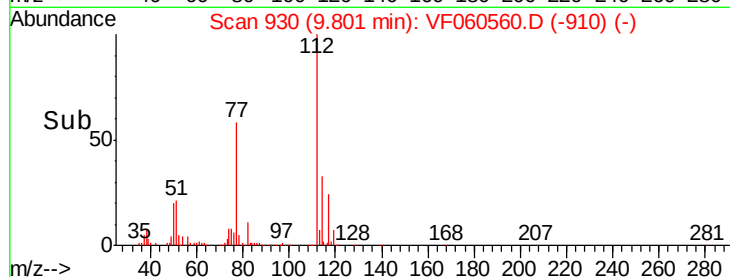
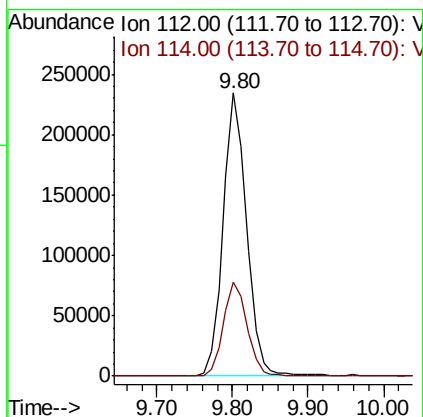
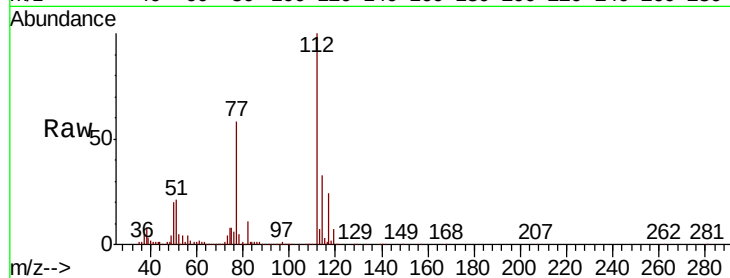




#65
Chlorobenzene
Concen: 69.747 ug/l
RT: 9.80 min Scan# 930
Delta R.T. 0.00 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

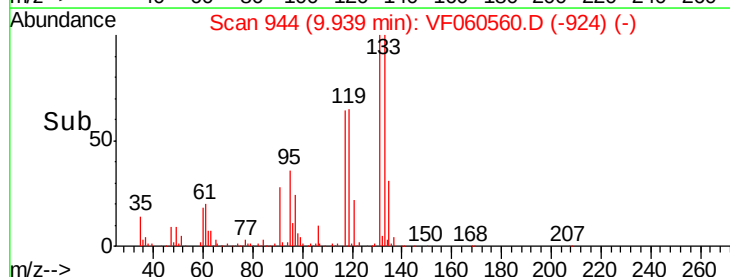
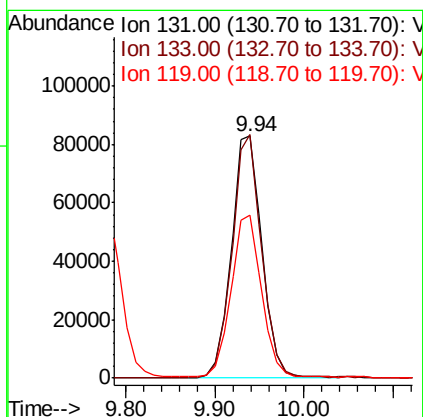
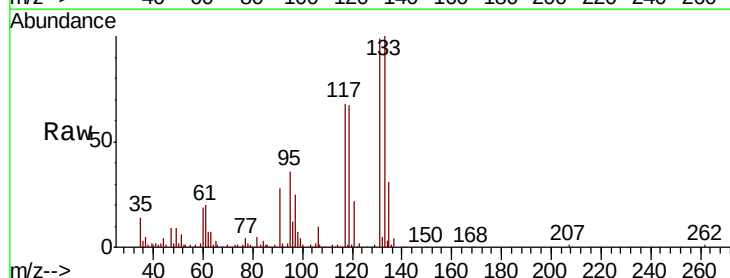
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

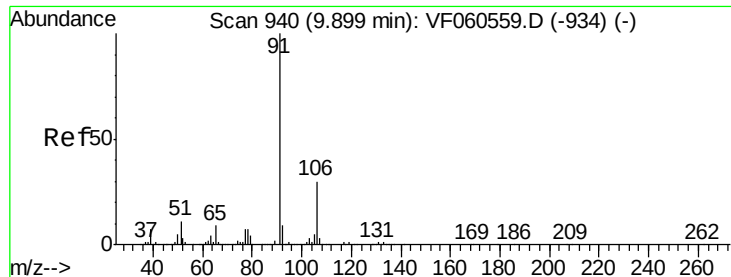
Tgt Ion:112 Resp: 506183
Ion Ratio Lower Upper
112 100
114 33.1 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 60.248 ug/l
RT: 9.94 min Scan# 944
Delta R.T. 0.00 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

Tgt Ion:131 Resp: 198685
Ion Ratio Lower Upper
131 100
133 100.6 49.5 148.7
119 67.2 35.2 105.6





#67

Ethyl Benzene

Concen: 63.280 ug/l

RT: 9.90 min Scan# 940

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

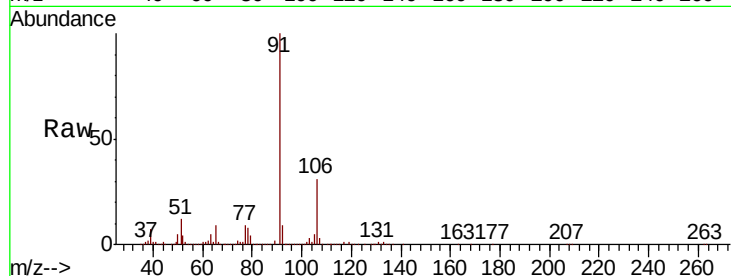
VSTDIC075

Tgt Ion: 91 Resp: 874206

Ion Ratio Lower Upper

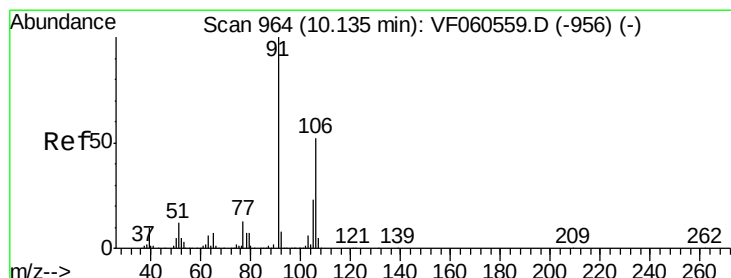
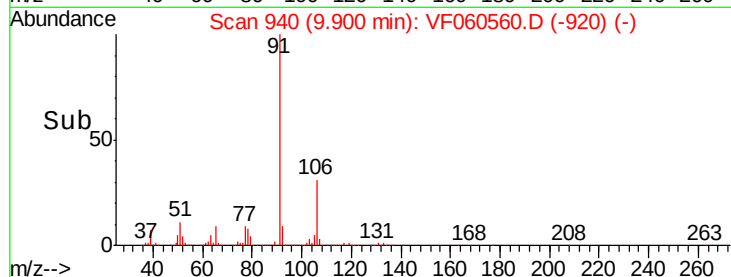
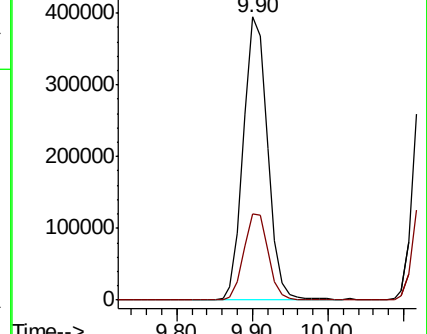
91 100

106 30.7 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 136.031 ug/l

RT: 10.14 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF060560.D

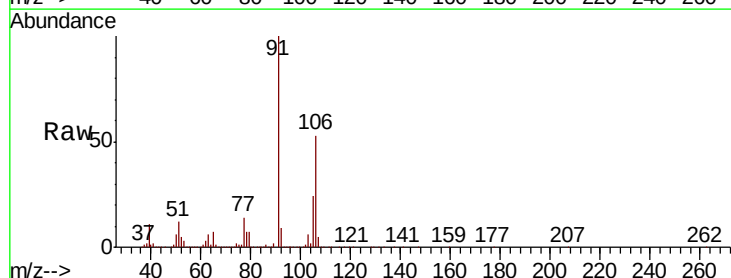
Acq: 2 Nov 2018 12:59

Tgt Ion: 106 Resp: 649242

Ion Ratio Lower Upper

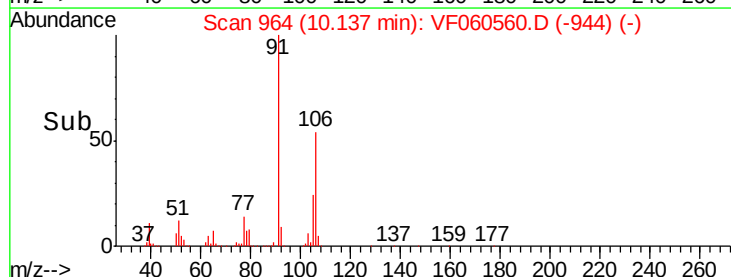
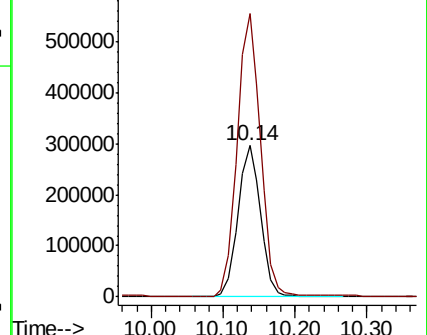
106 100

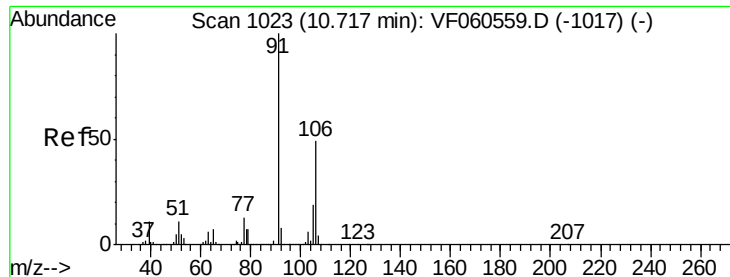
91 187.1 153.9 230.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

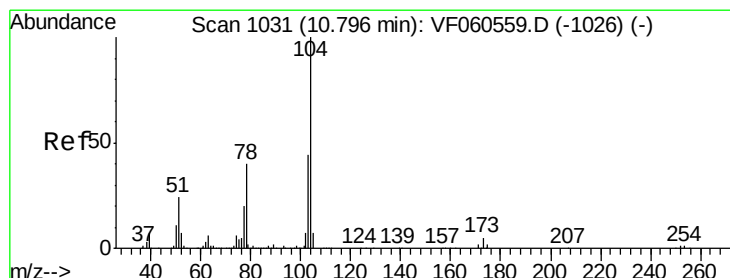
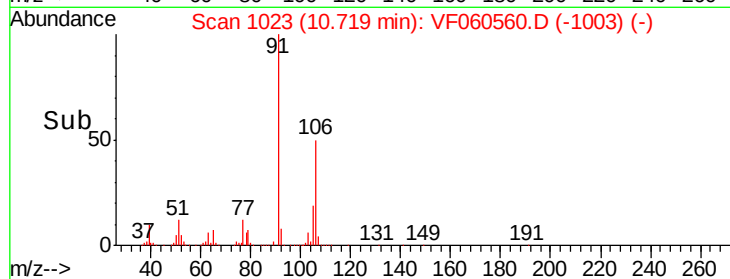
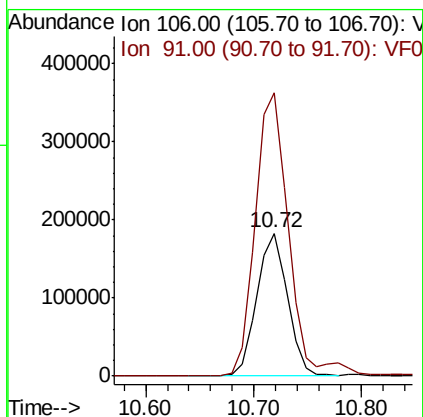
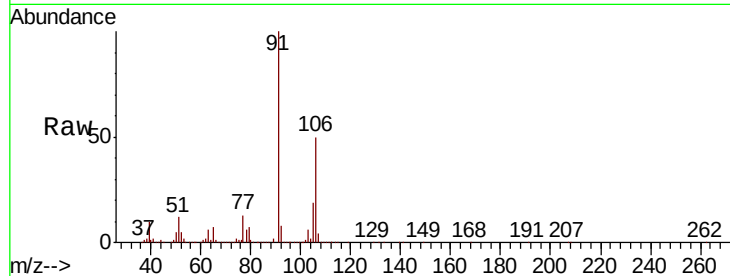




#69
o-Xylene
Concen: 67.174 ug/l
RT: 10.72 min Scan# 1023
Delta R.T. 0.00 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

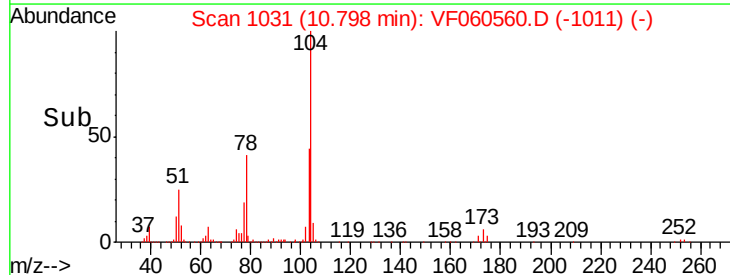
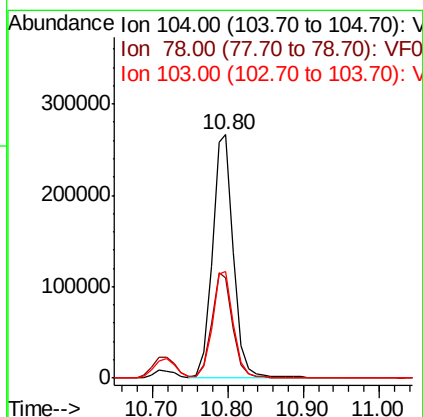
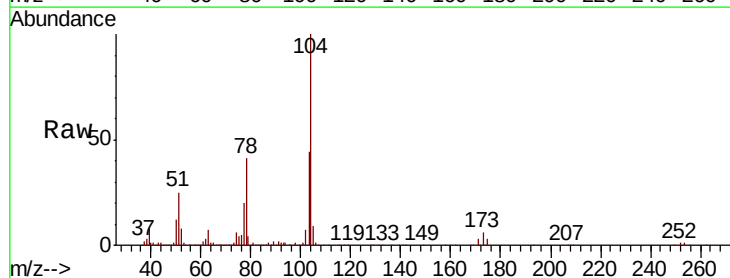
Instrument :
MSVOA_F
ClientSampled :
VSTDIC075

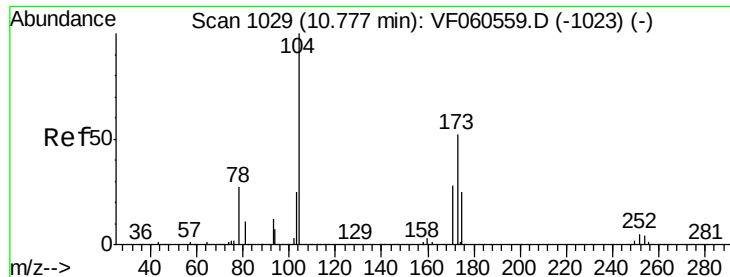
Tgt Ion:106 Resp: 359563
Ion Ratio Lower Upper
106 100
91 198.1 101.8 305.3



#70
Styrene
Concen: 68.334 ug/l
RT: 10.80 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

Tgt Ion:104 Resp: 517698
Ion Ratio Lower Upper
104 100
78 41.4 32.6 49.0
103 43.7 35.2 52.8





#71

Bromoform

Concen: 65.033 ug/l

RT: 10.78 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

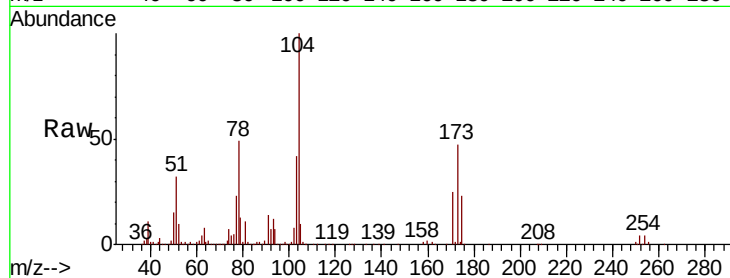
Tgt Ion:173 Resp: 109210

Ion Ratio Lower Upper

173 100

175 49.0 24.3 72.9

254 7.9 6.7 10.1

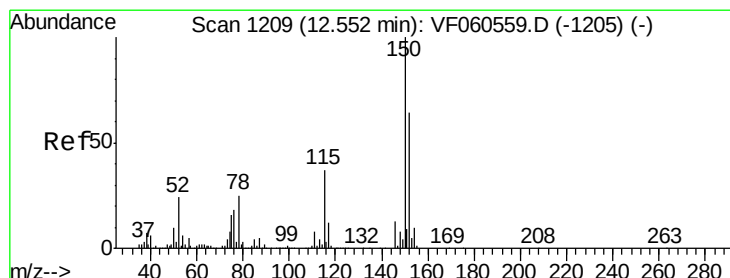
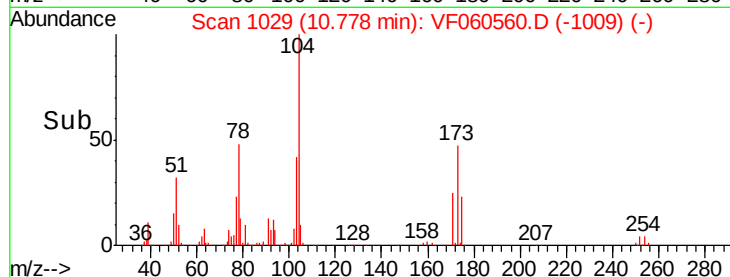
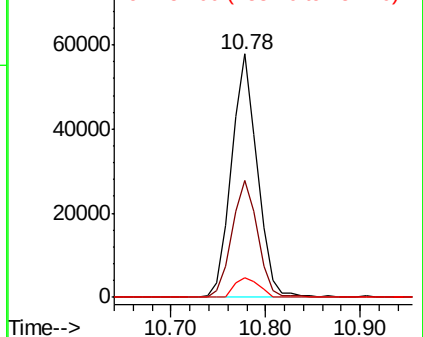


Abundance

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: 12.55 min Scan# 1209

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

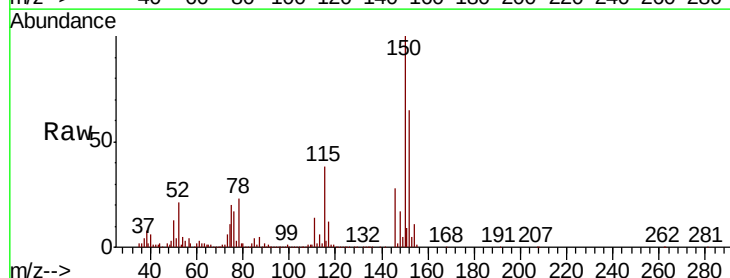
Tgt Ion:152 Resp: 198920

Ion Ratio Lower Upper

152 100

115 58.2 29.6 88.8

150 153.8 0.0 315.6

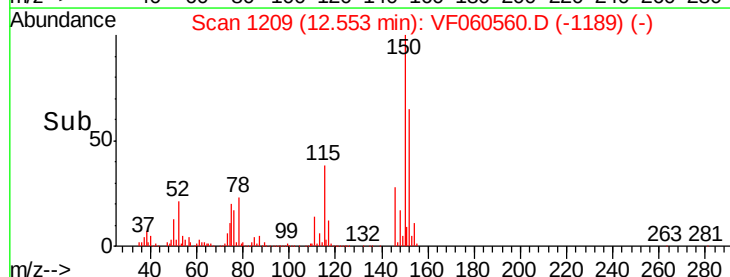
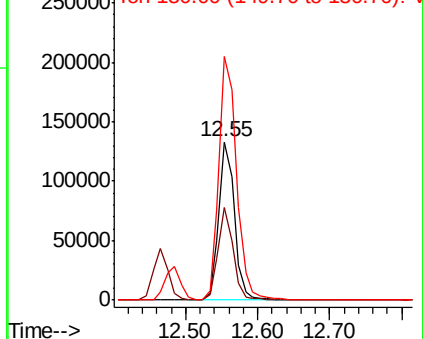


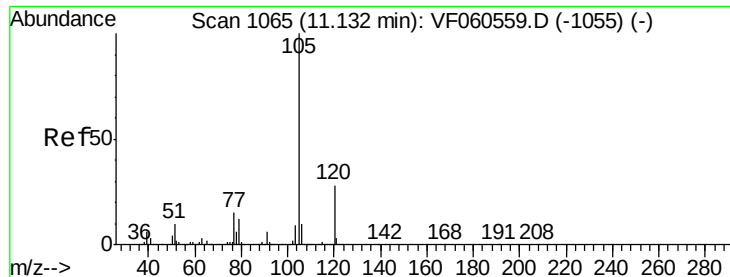
Abundance

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: 66.199 ug/l

RT: 11.13 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

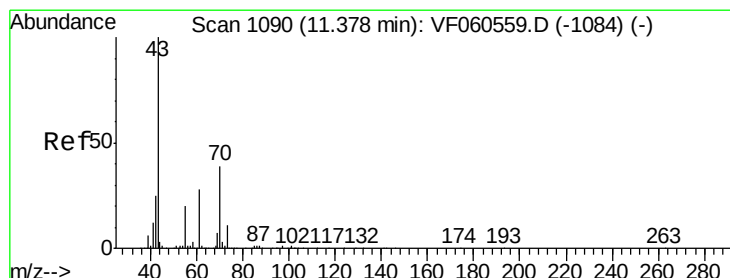
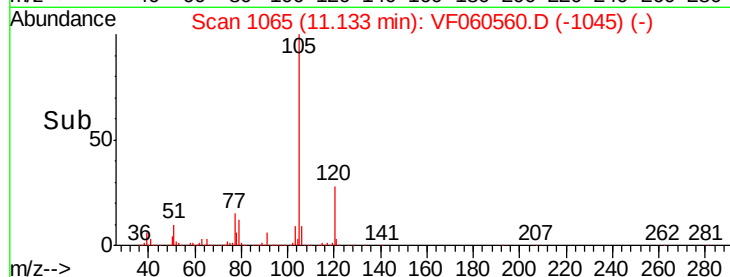
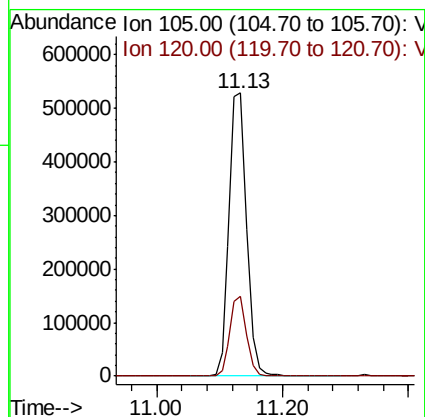
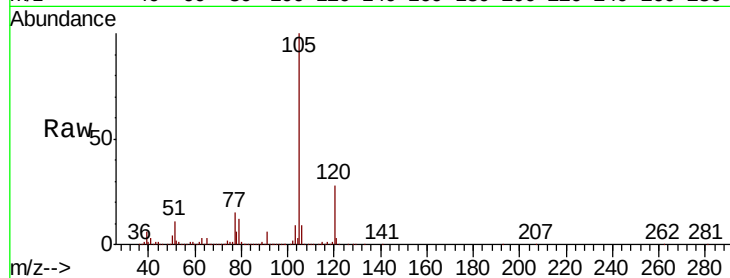
VSTDIC075

Tgt Ion:105 Resp: 1018529

Ion Ratio Lower Upper

105 100

120 28.0 13.9 41.6



#74

N-ethyl acetate

Concen: 87.405 ug/l

RT: 11.37 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Tgt Ion: 43 Resp: 281717

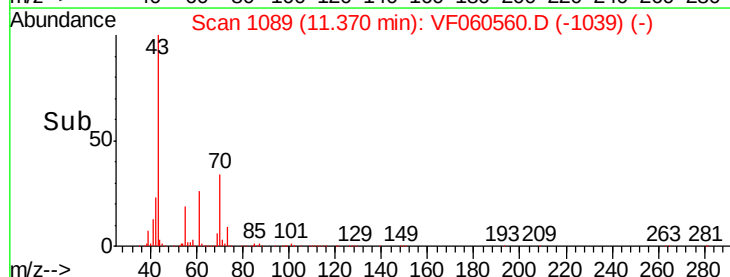
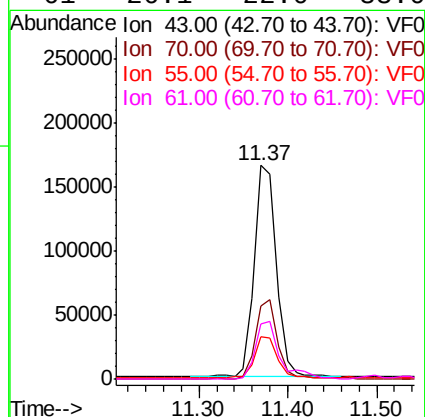
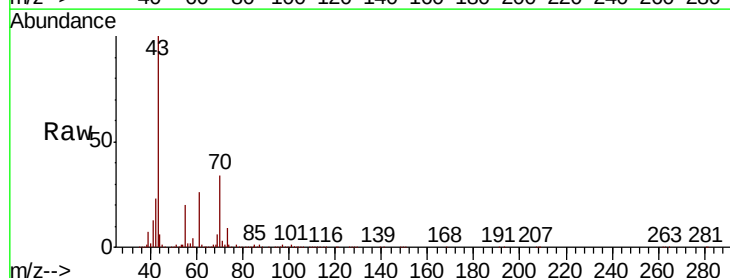
Ion Ratio Lower Upper

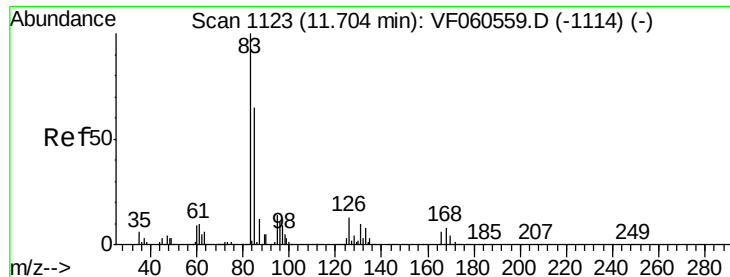
43 100

70 34.1 30.9 46.3

55 19.8 16.6 24.8

61 26.1 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 73.182 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.01 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

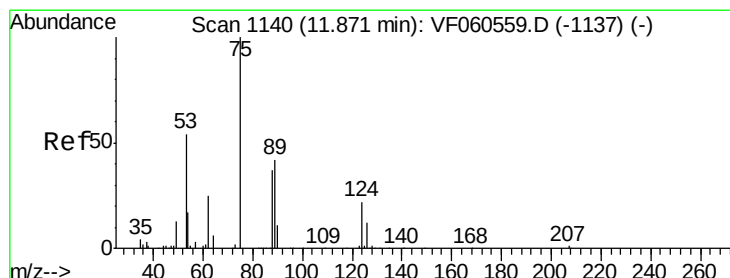
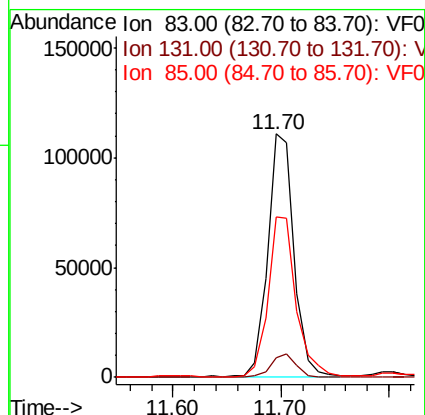
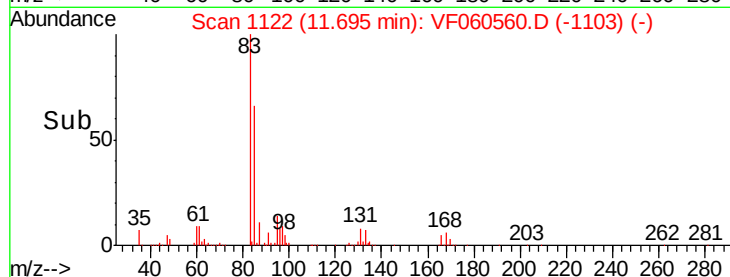
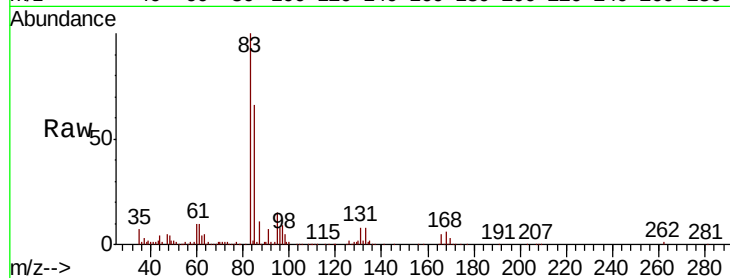
Tgt Ion: 83 Resp: 188435

Ion Ratio Lower Upper

83 100

131 8.1 5.0 14.9

85 65.8 32.9 98.7



#76

1,2,3-Trichloropropane

Concen: 52.386 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF060560.D

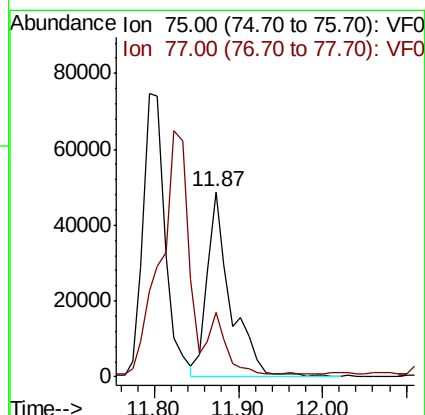
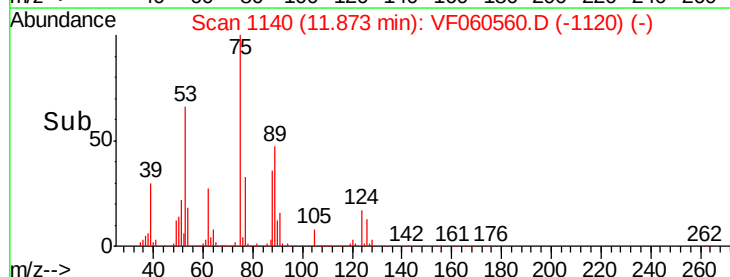
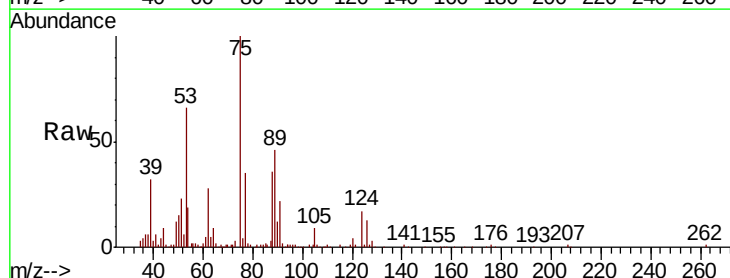
Acq: 2 Nov 2018 12:59

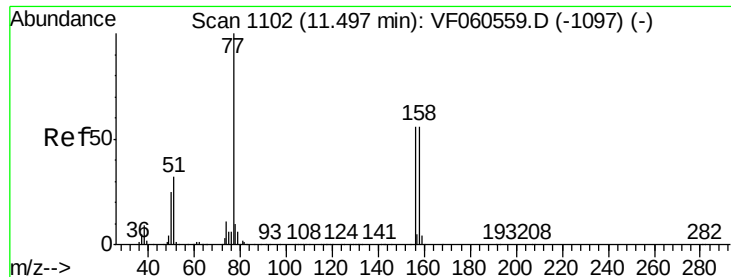
Tgt Ion: 75 Resp: 92605

Ion Ratio Lower Upper

75 100

77 35.1 17.4 52.3





#77

Bromobenzene

Concen: 68.664 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

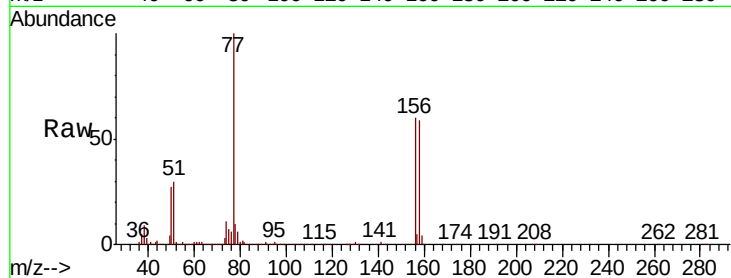
Tgt Ion:156 Resp: 231198

Ion Ratio Lower Upper

156 100

77 167.2 89.3 268.1

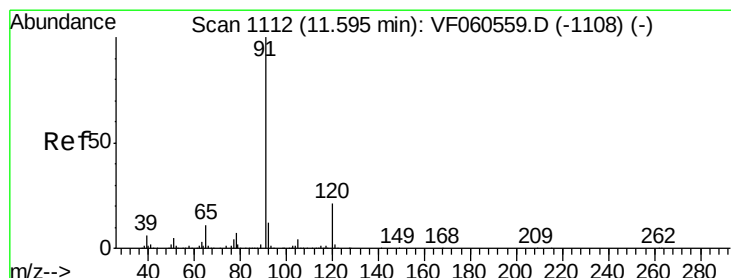
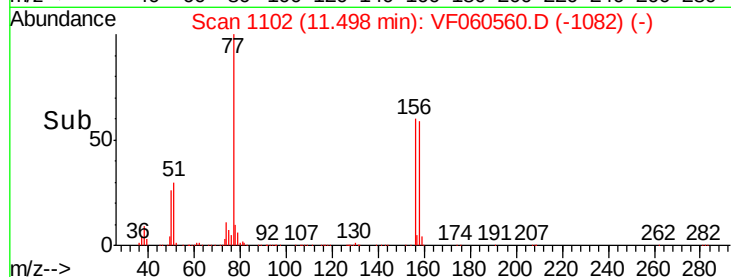
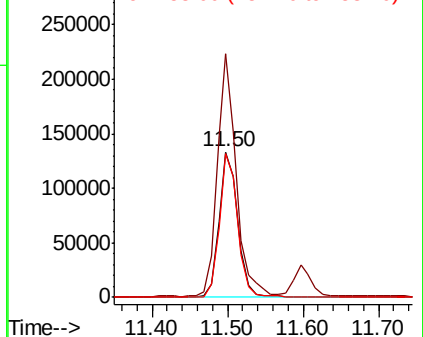
158 98.9 50.0 150.1



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: 62.840 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VF060560.D

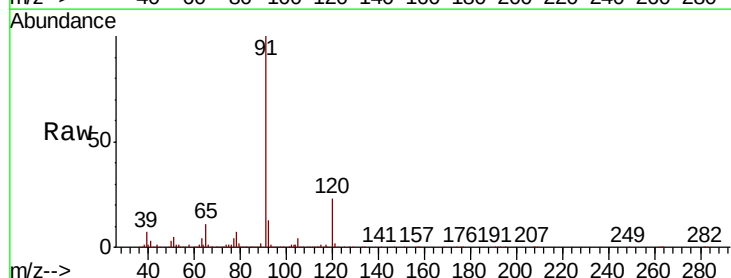
Acq: 2 Nov 2018 12:59

Tgt Ion: 91 Resp: 1139343

Ion Ratio Lower Upper

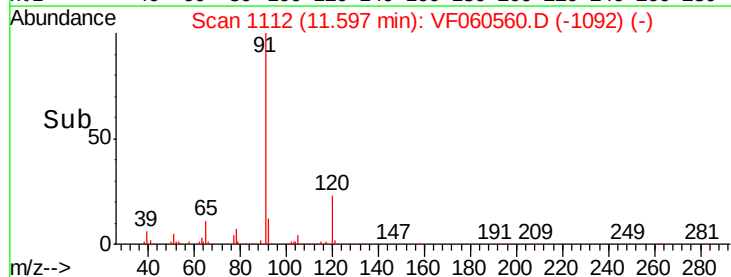
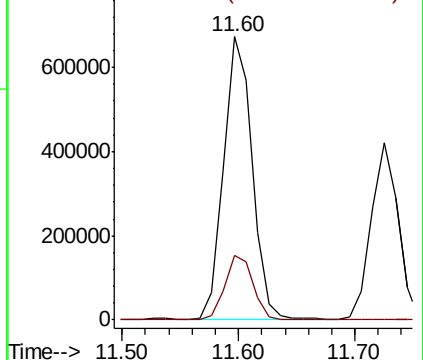
91 100

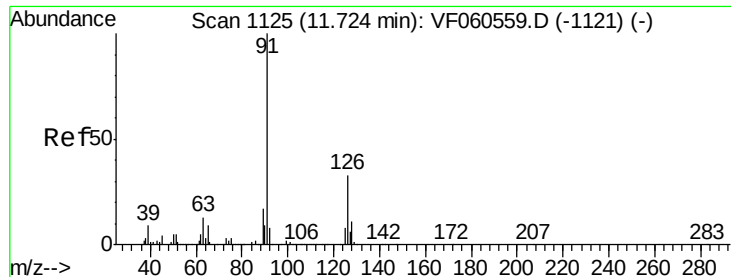
120 22.7 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

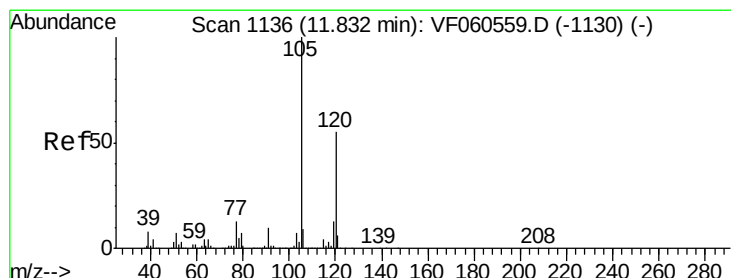
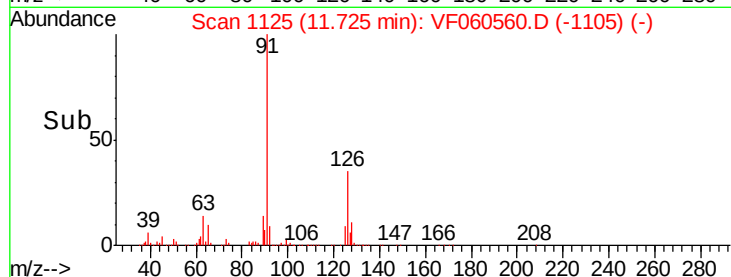
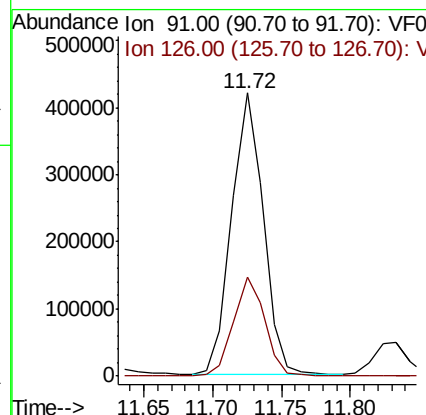
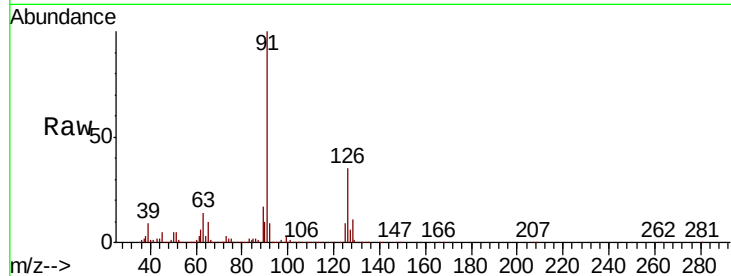




#79
 2-Chlorotoluene
 Concen: 62.235 ug/l
 RT: 11.72 min Scan# 1125
 Delta R.T. 0.00 min
 Lab File: VF060560.D
 Acq: 2 Nov 2018 12:59

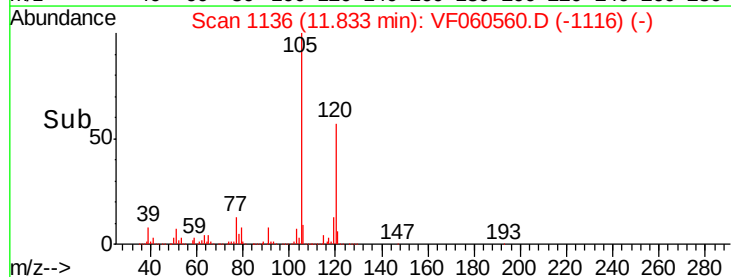
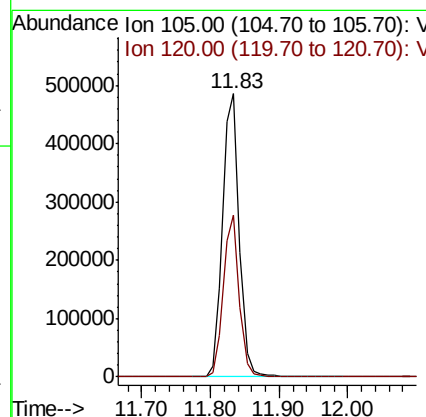
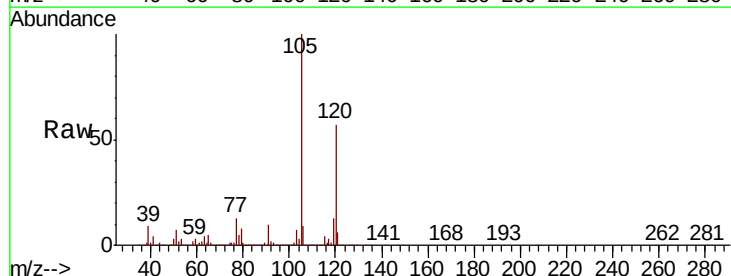
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

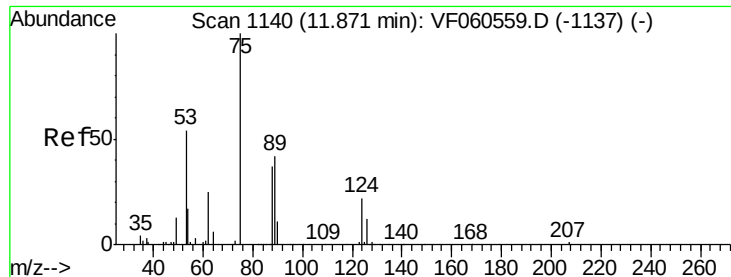
Tgt Ion: 91 Resp: 671865
 Ion Ratio Lower Upper
 91 100
 126 35.1 16.5 49.5



#80
 1,3,5-Trimethylbenzene
 Concen: 61.668 ug/l
 RT: 11.83 min Scan# 1136
 Delta R.T. 0.00 min
 Lab File: VF060560.D
 Acq: 2 Nov 2018 12:59

Tgt Ion: 105 Resp: 809387
 Ion Ratio Lower Upper
 105 100
 120 56.9 27.6 82.8





#81

trans-1,4-Dichloro-2-butene

Concen: 107.296 ug/l

RT: 11.87 min Scan# 1140

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

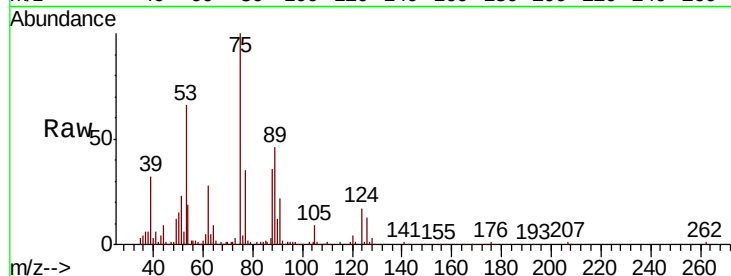
Tgt Ion: 75 Resp: 92605

Ion Ratio Lower Upper

75 100

53 66.3 51.6 77.4

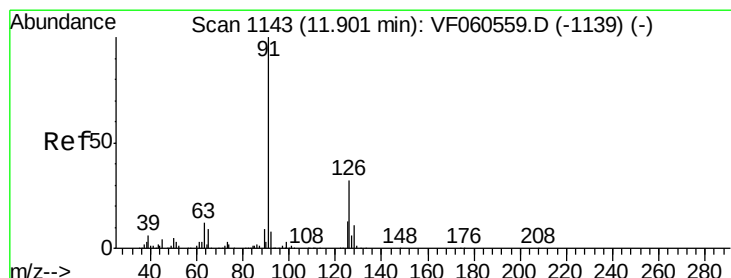
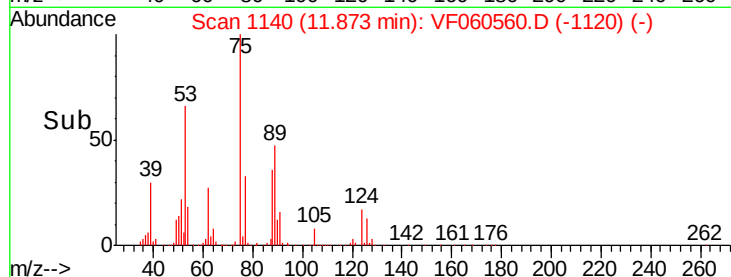
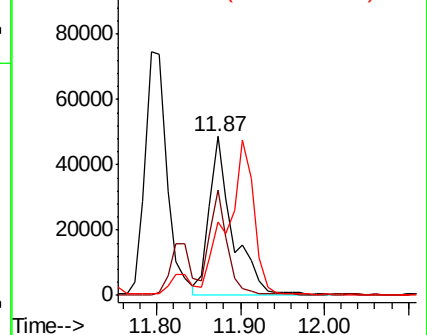
89 46.4 36.7 55.1



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 62.689 ug/l

RT: 11.90 min Scan# 1143

Delta R.T. 0.00 min

Lab File: VF060560.D

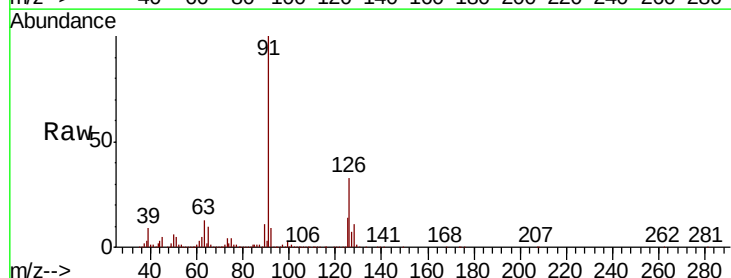
Acq: 2 Nov 2018 12:59

Tgt Ion: 91 Resp: 698748

Ion Ratio Lower Upper

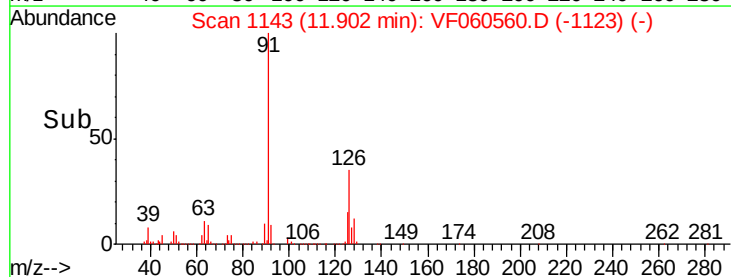
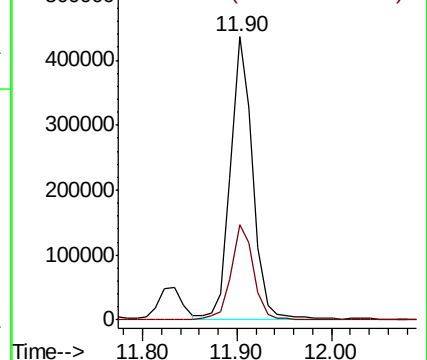
91 100

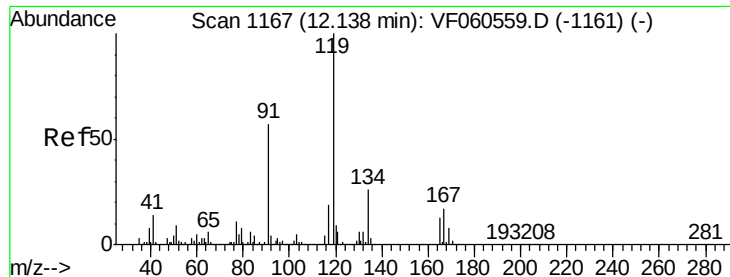
126 33.5 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

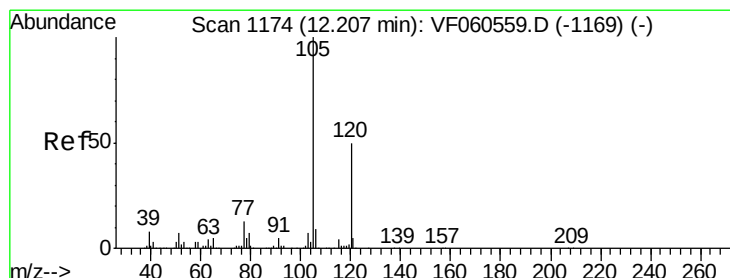
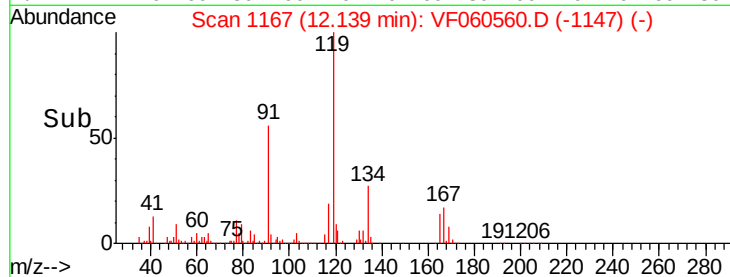
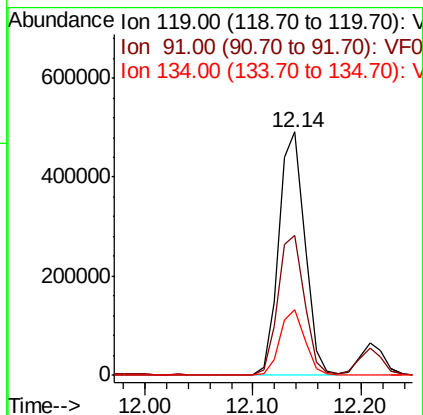
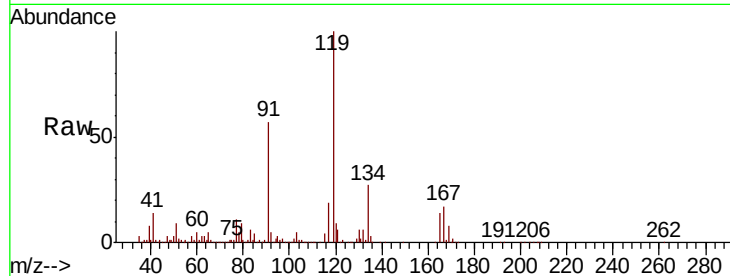




#83
 tert-Butylbenzene
 Concen: 64.700 ug/l
 RT: 12.14 min Scan# 1167
 Delta R.T. 0.00 min
 Lab File: VF060560.D
 Acq: 2 Nov 2018 12:59

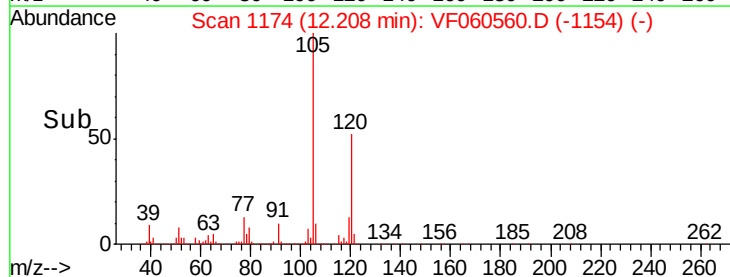
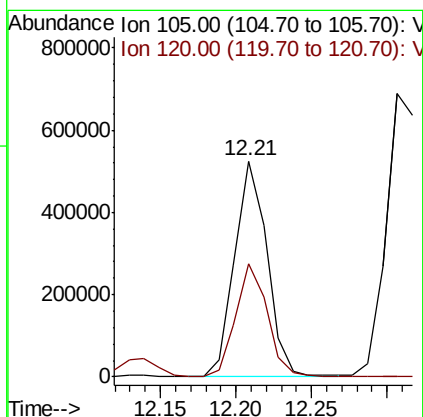
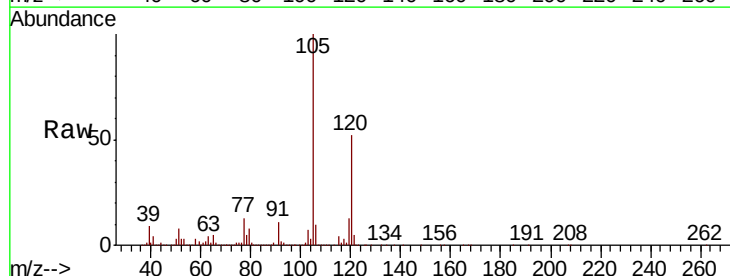
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

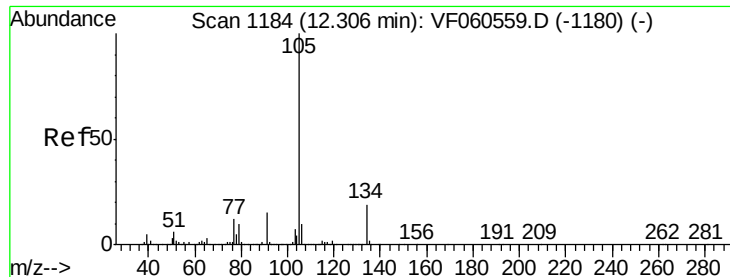
Tgt Ion:119 Resp: 834393
 Ion Ratio Lower Upper
 119 100
 91 57.4 28.8 86.4
 134 27.2 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 58.816 ug/l
 RT: 12.21 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VF060560.D
 Acq: 2 Nov 2018 12:59

Tgt Ion:105 Resp: 784218
 Ion Ratio Lower Upper
 105 100
 120 52.4 25.6 76.8





#85

sec-Butylbenzene

Concen: 62.645 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

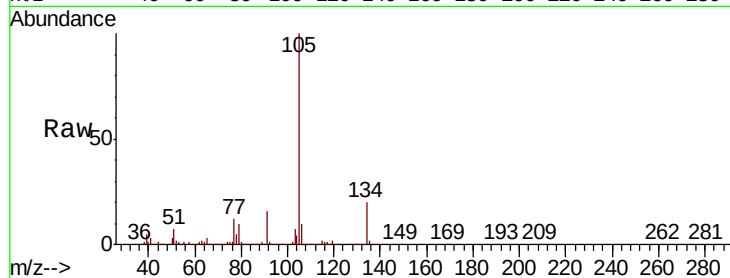
VSTDIC075

Tgt Ion:105 Resp: 1132450

Ion Ratio Lower Upper

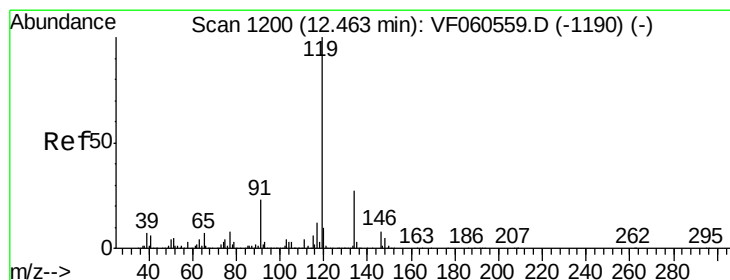
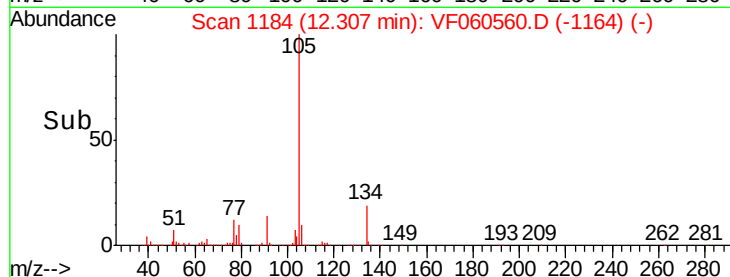
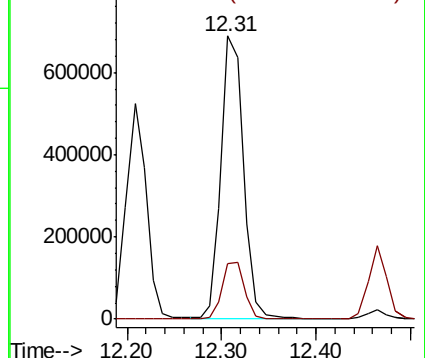
105 100

134 19.8 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 62.341 ug/l

RT: 12.46 min Scan# 1200

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

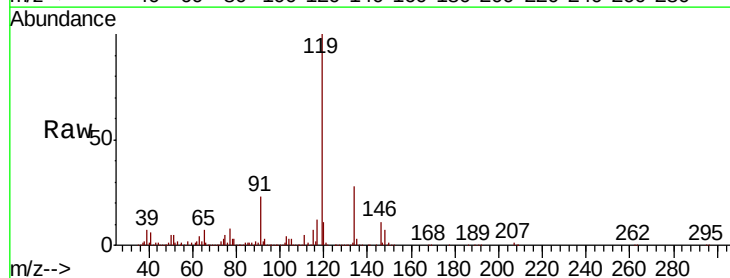
Tgt Ion:119 Resp: 924143

Ion Ratio Lower Upper

119 100

134 27.7 13.6 40.7

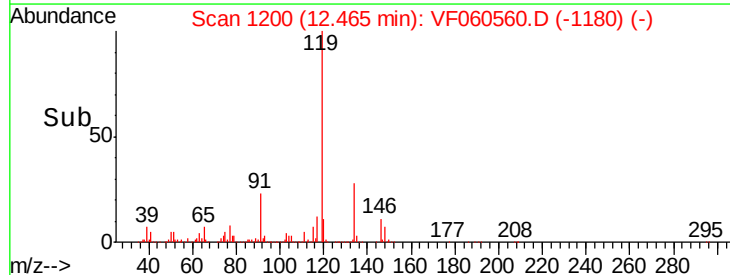
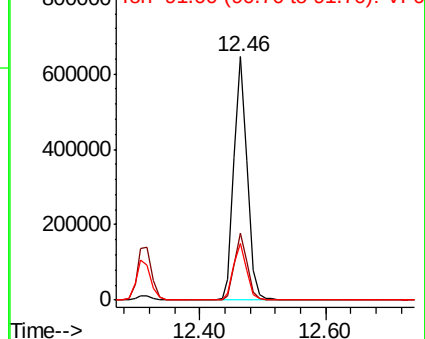
91 23.4 11.4 34.2

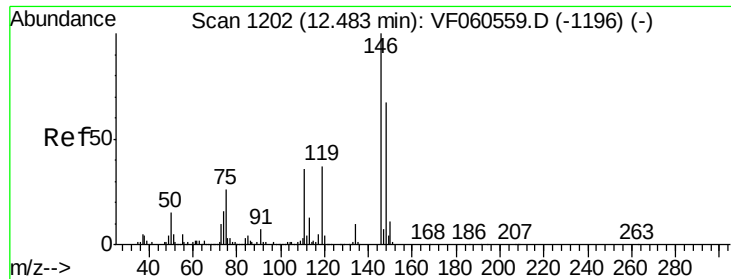


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 62.199 ug/l

RT: 12.48 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

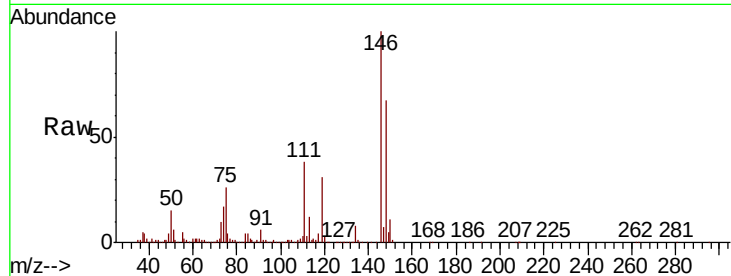
Tgt Ion:146 Resp: 418589

Ion Ratio Lower Upper

146 100

111 37.6 18.3 54.8

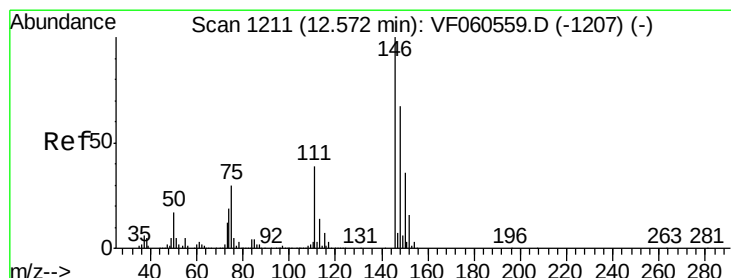
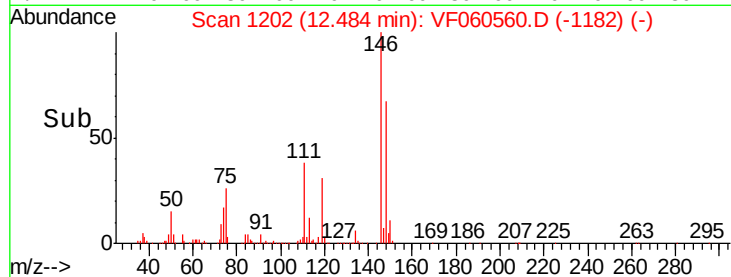
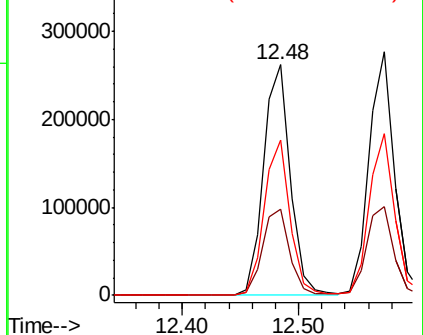
148 67.4 33.5 100.4



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: 66.747 ug/l

RT: 12.57 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

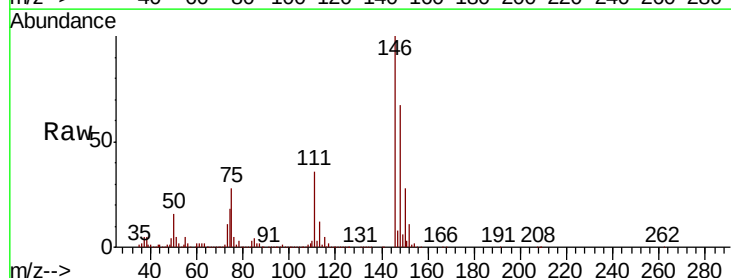
Tgt Ion:146 Resp: 424510

Ion Ratio Lower Upper

146 100

111 36.2 19.7 59.1

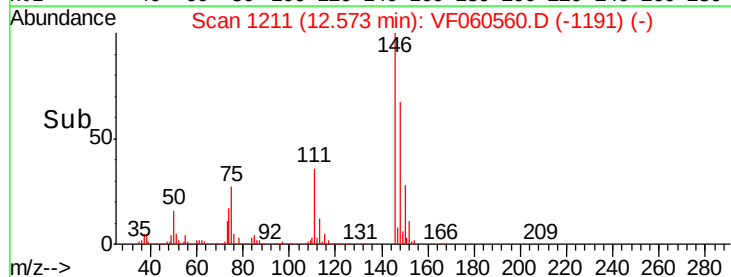
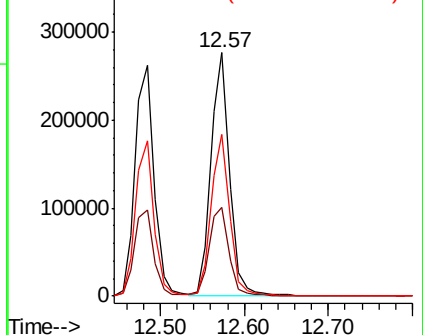
148 66.6 33.7 101.1

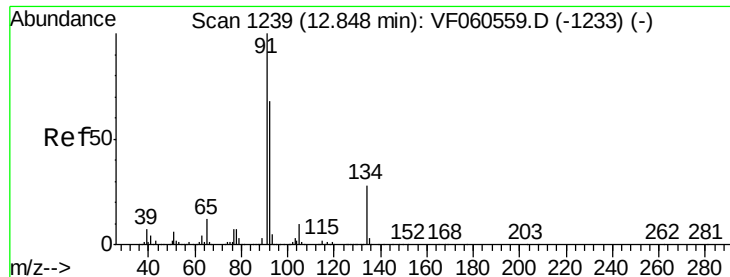


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

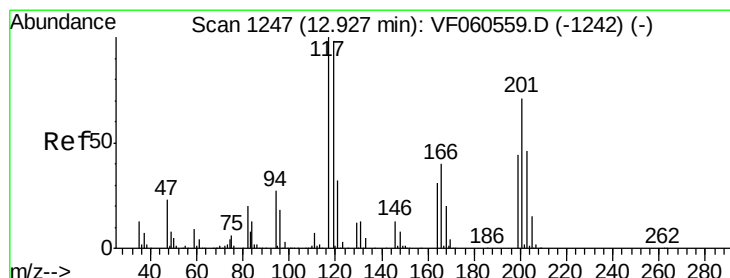
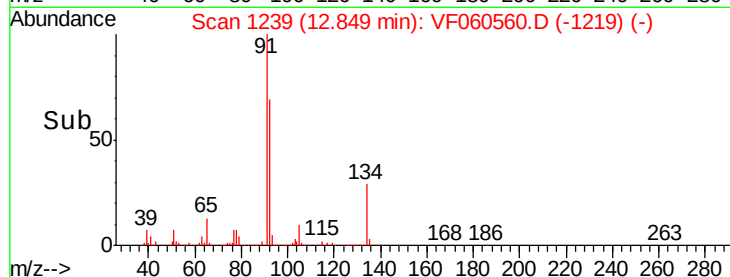
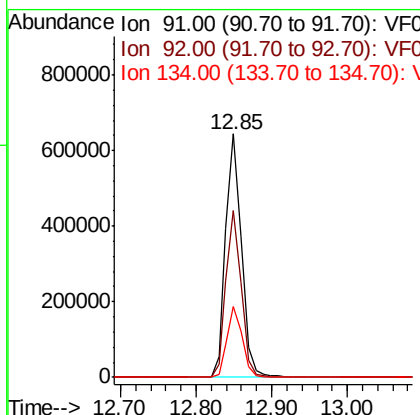
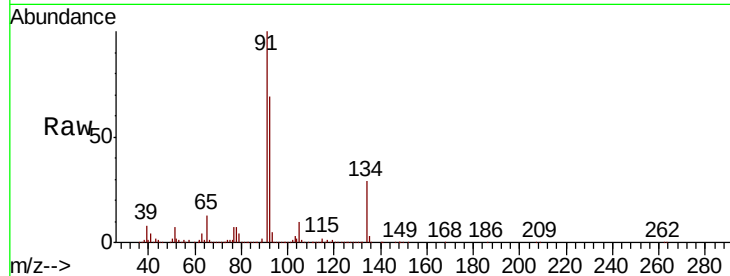




#89
n-Butylbenzene
Concen: 60.151 ug/l
RT: 12.85 min Scan# 1239
Delta R.T. 0.00 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

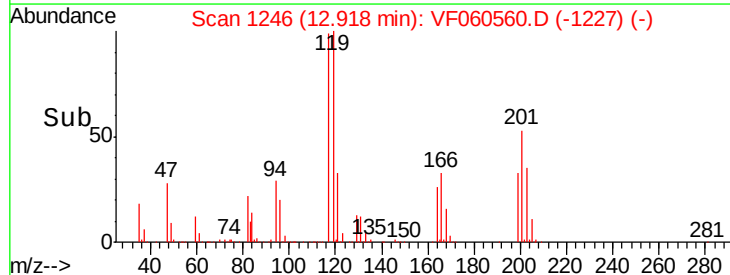
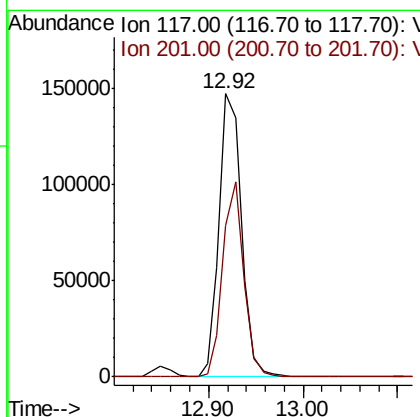
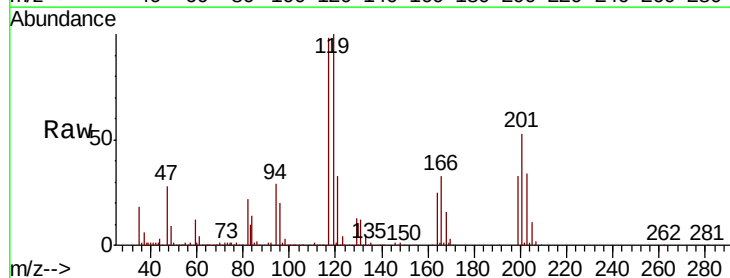
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

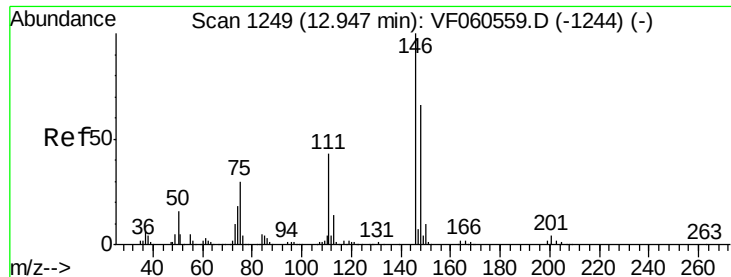
Tgt Ion: 91 Resp: 934842
Ion Ratio Lower Upper
91 100
92 68.7 34.1 102.2
134 29.2 13.9 41.6



#90
Hexachloroethane
Concen: 63.516 ug/l
RT: 12.92 min Scan# 1246
Delta R.T. -0.01 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

Tgt Ion: 117 Resp: 242672
Ion Ratio Lower Upper
117 100
201 53.6 35.2 105.6





#91

1,2-Dichlorobenzene

Concen: 62.659 ug/l

RT: 12.95 min Scan# 1249

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC075

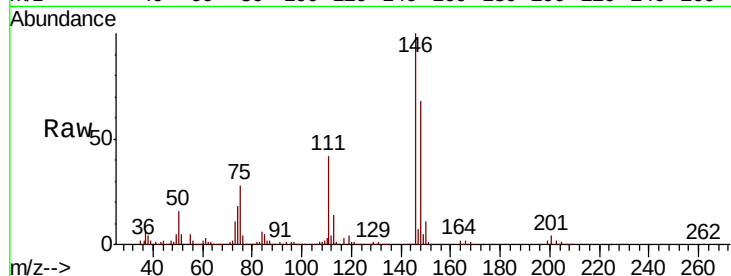
Tgt Ion:146 Resp: 395512

Ion Ratio Lower Upper

146 100

111 41.7 21.3 64.0

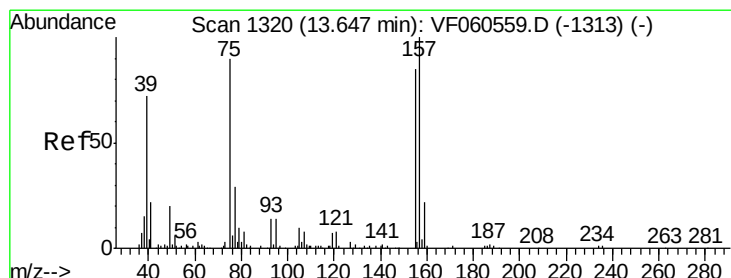
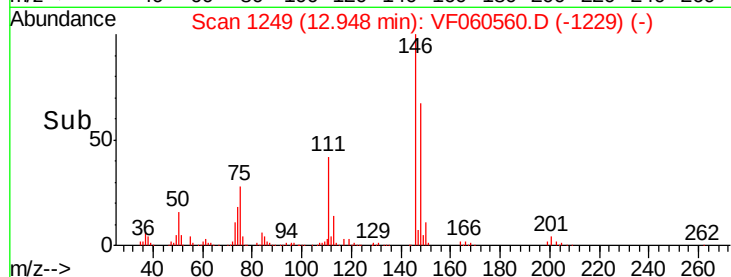
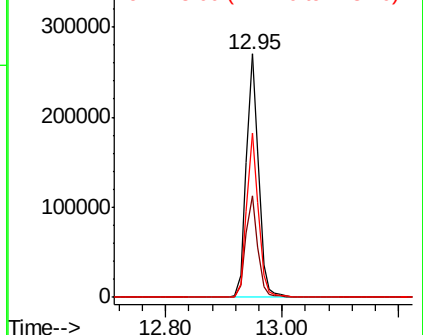
148 67.5 32.9 98.7



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 64.814 ug/l

RT: 13.65 min Scan# 1320

Delta R.T. 0.00 min

Lab File: VF060560.D

Acq: 2 Nov 2018 12:59

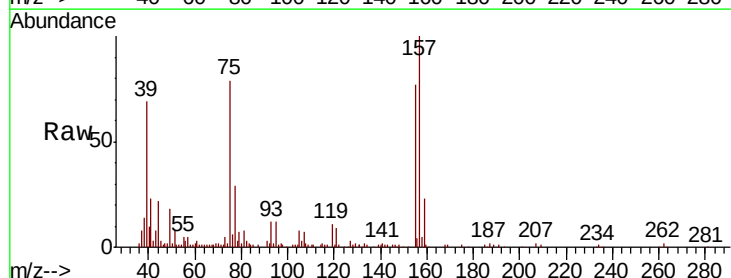
Tgt Ion: 75 Resp: 33790

Ion Ratio Lower Upper

75 100

155 97.2 47.3 141.8

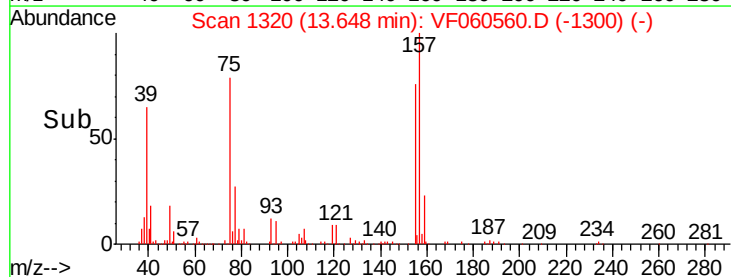
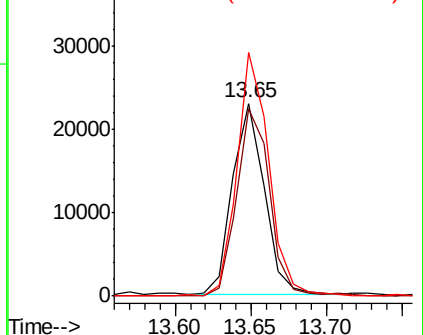
157 126.5 55.3 165.9

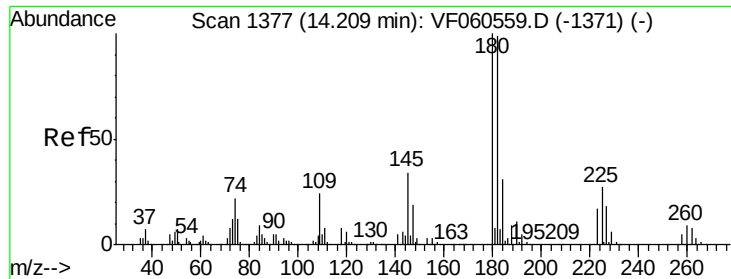


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

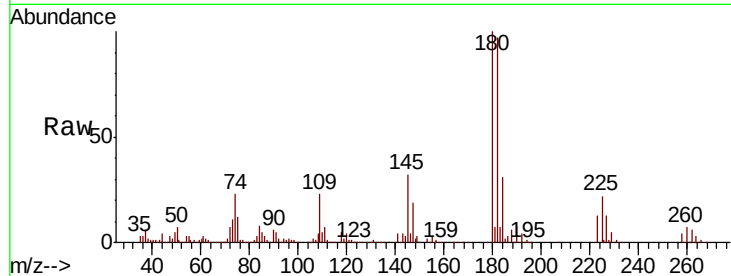




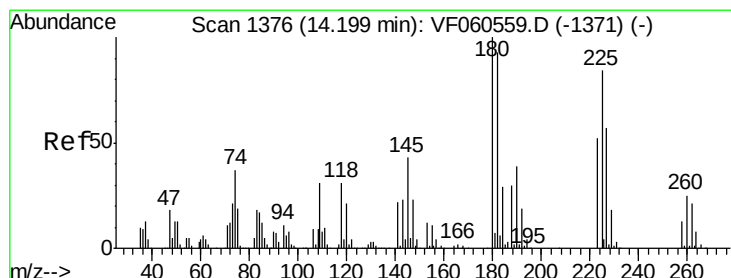
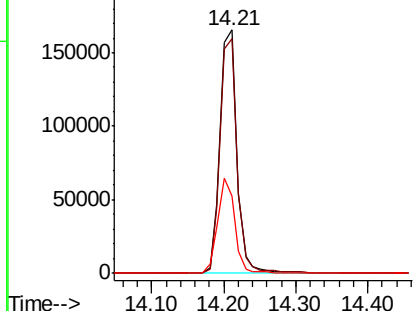
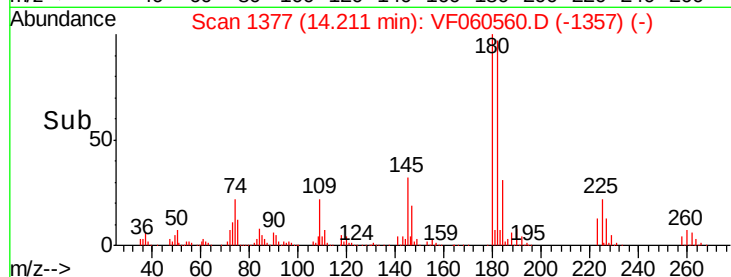
#93
 1,2,4-Trichlorobenzene
 Concen: 57.701 ug/l
 RT: 14.21 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VF060560.D
 Acq: 2 Nov 2018 12:59

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC075

Tgt Ion:180 Resp: 269512
 Ion Ratio Lower Upper
 180 100
 182 96.6 49.7 149.1
 145 31.7 16.9 50.7

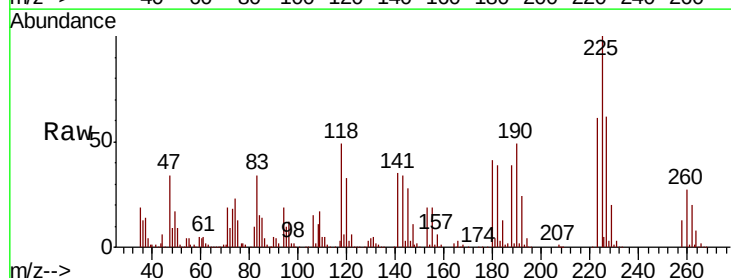


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

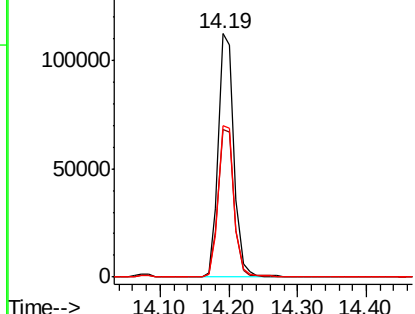
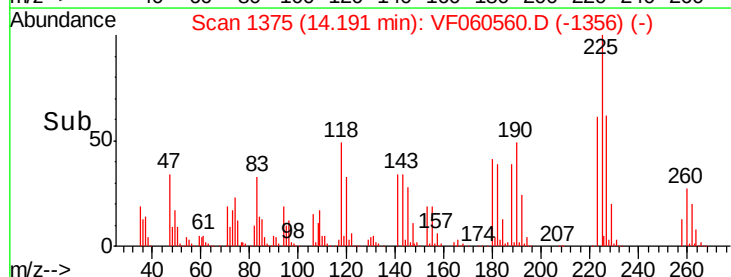


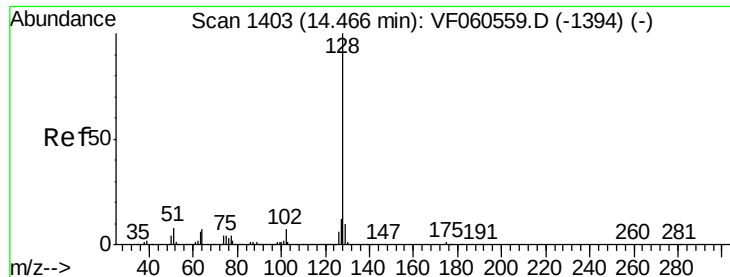
#94
 Hexachlorobutadiene
 Concen: 54.715 ug/l
 RT: 14.19 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: VF060560.D
 Acq: 2 Nov 2018 12:59

Tgt Ion:225 Resp: 178865
 Ion Ratio Lower Upper
 225 100
 223 60.6 30.9 92.5
 227 62.1 33.9 101.6



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

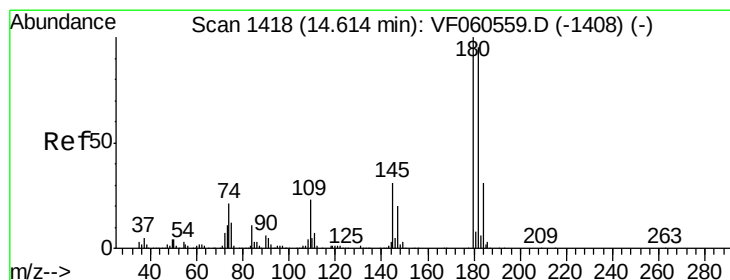
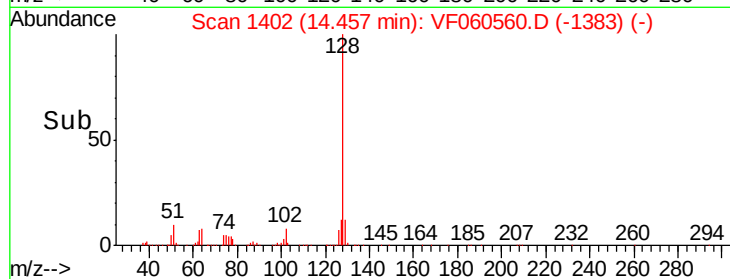
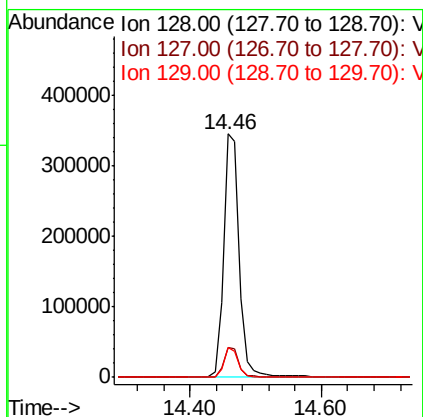
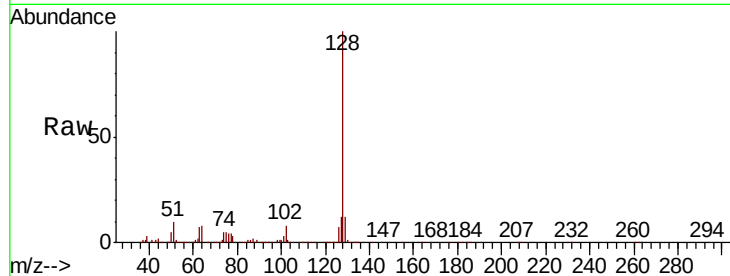




#95
Naphthalene
Concen: 68.616 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.01 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC075

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.4	14.0
129	12.2	8.4	12.6



#96
1,2,3-Trichlorobenzene
Concen: 58.747 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.01 min
Lab File: VF060560.D
Acq: 2 Nov 2018 12:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	47.3	142.0
145	36.3	15.6	46.8

