

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF110218\
 Data File : VF060556.D
 Acq On : 2 Nov 2018 10:54
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Nov 03 04:28:26 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	266133	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.59	114	442518	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.78	117	400934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.56	152	212129	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.86	65	15588	4.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.04%	
35) Dibromofluoromethane	4.13	113	20879	5.03	ug/l	0.02
Spiked Amount	50.000		Recovery	=	10.06%	
50) Toluene-d8	7.56	98	57671	5.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.26%	
62) 4-Bromofluorobenzene	11.41	95	27462	5.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.72%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	0.97	85	17555	3.543	ug/l 96
3) Chloromethane	1.10	50	14759	4.942	ug/l # 87
4) Vinyl Chloride	1.16	62	13620	4.428	ug/l # 84
6) Chloroethane	1.38	64	5873	3.747	ug/l # 50
7) Trichlorofluoromethane	1.49	101	14899	2.078	ug/l 92
8) Diethyl Ether	1.63	74	4742	5.092	ug/l 57
9) 1,1,2-Trichlorotrifluoroet	1.83	101	14232	3.988	ug/l # 76
10) Methyl Iodide	1.90	142	18171	3.264	ug/l # 97
11) Tert butyl alcohol	2.58	59	3704	19.907	ug/l # 12
12) 1,1-Dichloroethene	1.79	96	11224	3.906	ug/l 89
13) Acrolein	2.00	56	5021	31.459	ug/l 87
14) Allyl chloride	2.10	41	18443	3.997	ug/l # 87
15) Acrylonitrile	2.95	53	9197	23.010	ug/l 90
17) Carbon Disulfide	1.84	76	33623	4.196	ug/l 95
18) Methyl Acetate	2.35	43	9159	7.454	ug/l # 89
19) Methyl tert-butyl Ether	2.44	73	25623	4.064	ug/l # 70
20) Methylene Chloride	2.18	84	5819	1.936	ug/l 88
21) trans-1,2-Dichloroethene	2.31	96	12063	4.100	ug/l # 93
22) Diisopropyl ether	2.80	45	38930	4.657	ug/l # 81
23) Vinyl Acetate	3.19	43	111310	33.785	ug/l 98
24) 1,1-Dichloroethane	2.87	63	21301	3.561	ug/l # 93
25) 2-Butanone	4.34	43	48032	39.016	ug/l 94
26) 2,2-Dichloropropane	3.60	77	15896	4.304	ug/l 98
27) cis-1,2-Dichloroethene	3.48	96	22511	6.061	ug/l 89
28) Bromochloromethane	3.72	49	15507	6.829	ug/l # 98
29) Tetrahydrofuran	4.09	42	14701	38.510	ug/l 95
30) Chloroform	3.86	83	34836	4.571	ug/l 89
31) Cyclohexane	3.69	56	34846	7.557	ug/l 96
32) 1,1,1-Trichloroethane	4.10	97	24998	4.054	ug/l 99
36) 1,1-Dichloropropene	4.28	75	29109	5.366	ug/l 93
37) Ethyl Acetate	4.13	43	13760	7.428	ug/l # 63
38) Carbon Tetrachloride	4.00	117	21561	3.479	ug/l # 95
39) Methylcyclohexane	5.46	83	33530	5.891	ug/l 92
40) Benzene	4.64	78	73102	6.593	ug/l 100

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 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Nov 03 04:28:26 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.74	41	8314	7.837	ug/l #	86
42) 1,2-Dichloroethane	4.94	62	19175	4.012	ug/l	97
43) Isopropyl Acetate	6.97	43	17700	8.009	ug/l #	79
44) Trichloroethene	5.51	130	19923	5.591	ug/l	97
45) 1,2-Dichloropropane	6.25	63	17601	6.355	ug/l #	87
46) Dibromomethane	6.09	93	11258	5.388	ug/l #	88
47) Bromodichloromethane	6.38	83	26386	4.984	ug/l	91
48) Methyl methacrylate	6.72	41	12063	8.076	ug/l	90
49) 1,4-Dioxane	6.71	88	2028	139.159	ug/l #	1
51) 4-Methyl-2-Pentanone	8.26	43	66493	41.740	ug/l	93
52) Toluene	7.63	92	48931	6.877	ug/l	94
53) t-1,3-Dichloropropene	8.28	75	21555	5.173	ug/l	94
54) cis-1,3-Dichloropropene	7.30	75	28540	5.652	ug/l	91
55) 1,1,2-Trichloroethane	8.50	97	12466	5.976	ug/l	99
56) Ethyl methacrylate	8.63	69	16626	7.039	ug/l	94
57) 1,3-Dichloropropane	8.85	76	21139	5.983	ug/l	90
58) 2-Chloroethyl Vinyl ether	7.63	63	6779	28.562	ug/l	100
59) 2-Hexanone	9.50	43	51398	44.544	ug/l	91
60) Dibromochloromethane	8.72	129	17187	5.179	ug/l	95
61) 1,2-Dibromoethane	8.99	107	14107	5.867	ug/l	88
64) Tetrachloroethene	8.15	164	16427	4.924	ug/l	94
65) Chlorobenzene	9.80	112	44935	5.605	ug/l	94
66) 1,1,1,2-Tetrachloroethane	9.94	131	19865	5.453	ug/l	97
67) Ethyl Benzene	9.91	91	86686	5.680	ug/l	98
68) m/p-Xylenes	10.13	106	63175	11.982	ug/l	83
69) o-Xylene	10.71	106	34893	5.901	ug/l	86
70) Styrene	10.79	104	50238	6.003	ug/l	98
71) Bromoform	10.77	173	9533	5.139	ug/l #	89
73) Isopropylbenzene	11.13	105	103614	6.315	ug/l	95
74) N-amyl acetate	11.38	43	33391	9.715	ug/l	95
75) 1,1,2,2-Tetrachloroethane	11.70	83	18308	6.667	ug/l	91
76) 1,2,3-Trichloropropane	11.87	75	8413	4.463	ug/l	87
77) Bromobenzene	11.50	156	20192	5.623	ug/l	91
78) n-propylbenzene	11.60	91	124509	6.440	ug/l	100
79) 2-Chlorotoluene	11.72	91	69218	6.012	ug/l	93
80) 1,3,5-Trimethylbenzene	11.83	105	84864	6.063	ug/l	92
81) trans-1,4-Dichloro-2-buten	11.87	75	8413	9.141	ug/l	94
82) 4-Chlorotoluene	11.91	91	69357	5.835	ug/l	93
83) tert-Butylbenzene	12.13	119	86125	6.262	ug/l	97
84) 1,2,4-Trimethylbenzene	12.20	105	80565	5.666	ug/l	93
85) sec-Butylbenzene	12.31	105	116933	6.066	ug/l	96
86) p-Isopropyltoluene	12.46	119	96902	6.130	ug/l	95
87) 1,3-Dichlorobenzene	12.48	146	43034	5.996	ug/l	94
88) 1,4-Dichlorobenzene	12.57	146	38867	5.731	ug/l	96
89) n-Butylbenzene	12.85	91	101778	6.141	ug/l	89
90) Hexachloroethane	12.92	117	23470	5.760	ug/l	87
91) 1,2-Dichlorobenzene	12.94	146	39079	5.806	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.64	75	3328	5.986	ug/l	77
93) 1,2,4-Trichlorobenzene	14.21	180	28594	5.741	ug/l	97
94) Hexachlorobutadiene	14.20	225	16145	4.631	ug/l	95

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Misc : 5.00g/5mL/MSVOA-F/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_F
ClientSampleId :
VSTDICC005

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Quant Title : SW846 8260
QLast Update : Sat Nov 03 04:25:32 2018
Response via : Initial Calibration

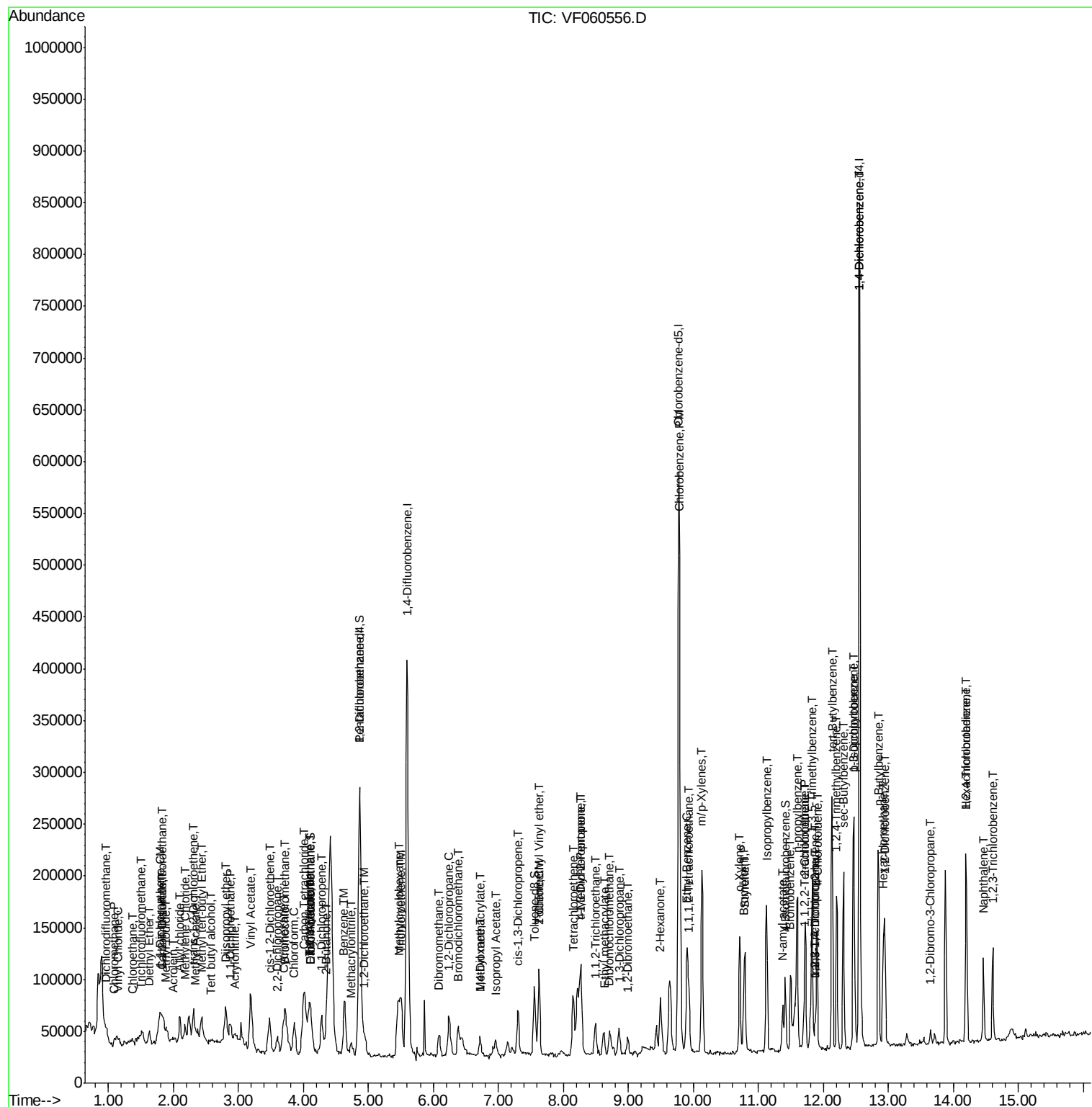
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	14.46	128	53283	6.014	ug/l	97
96) 1,2,3-Trichlorobenzene	14.61	180	24567	5.196	ug/l	97

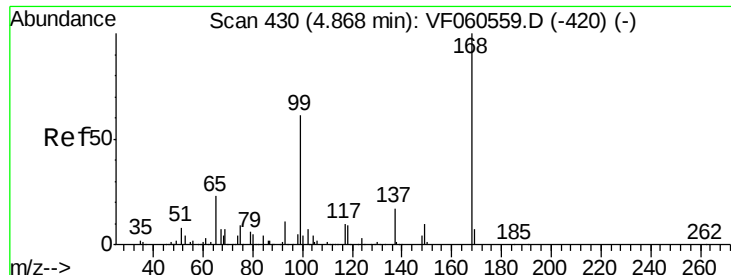
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_F\DATA\VF110218\
 Data File : VF060556.D
 Acq On : 2 Nov 2018 10:54
 Operator : VA/AP
 Sample : VSTDIC005
 Misc : 5.00g/5mL/MSVOA-F/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Quant Time: Nov 03 04:28:26 2018
 Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F110218S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 03 04:25:32 2018
 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.87 min Scan# 430

Delta R.T. 0.01 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

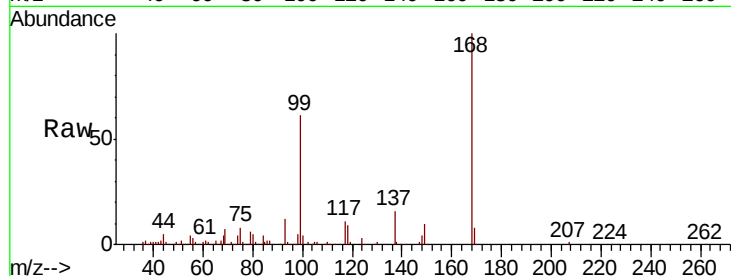
VSTDIC005

Tgt Ion:168 Resp: 266133

Ion Ratio Lower Upper

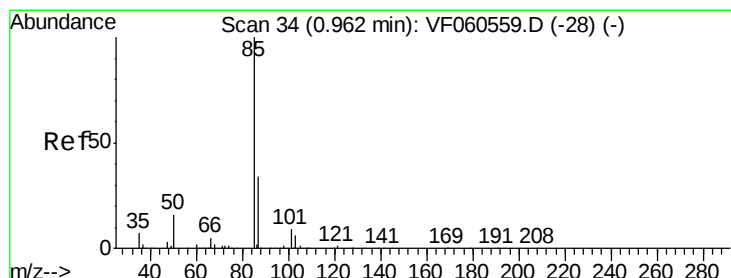
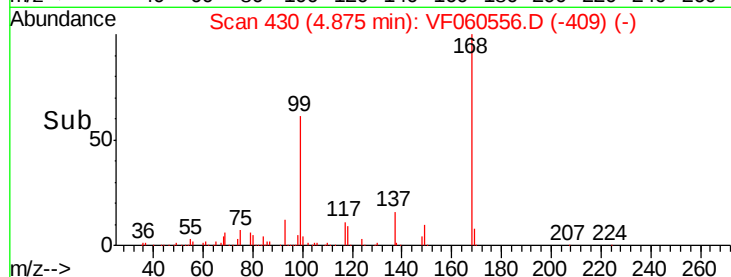
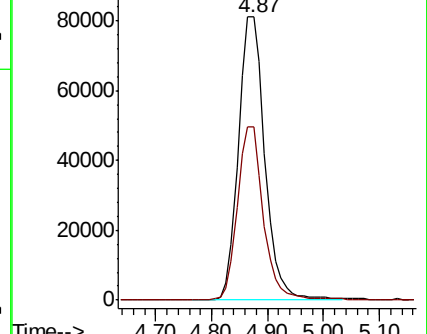
168 100

99 61.2 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: 3.543 ug/l

RT: 0.97 min Scan# 34

Delta R.T. 0.01 min

Lab File: VF060556.D

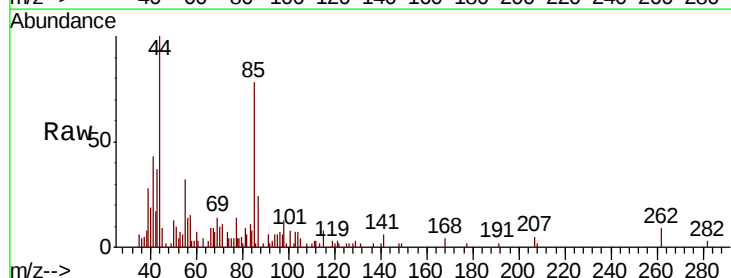
Acq: 2 Nov 2018 10:54

Tgt Ion: 85 Resp: 17555

Ion Ratio Lower Upper

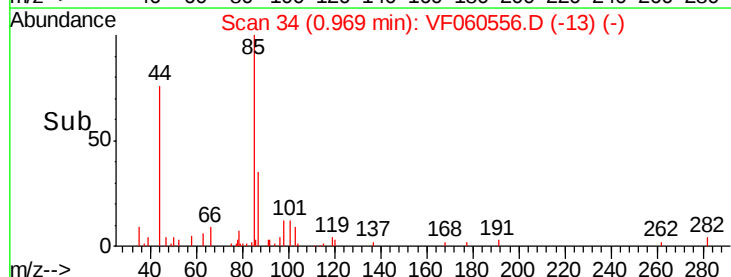
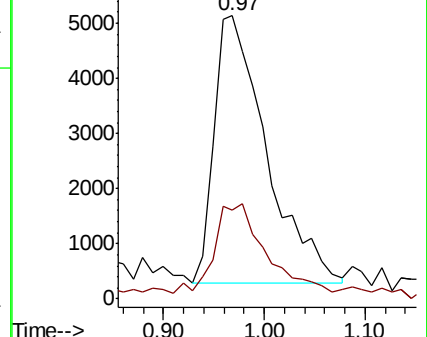
85 100

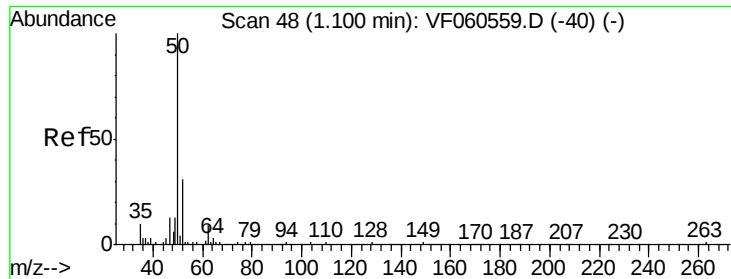
87 31.5 16.9 50.7



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0





#3

Chloromethane

Concen: 4.942 ug/l

RT: 1.10 min Scan# 47

Delta R.T. -0.00 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

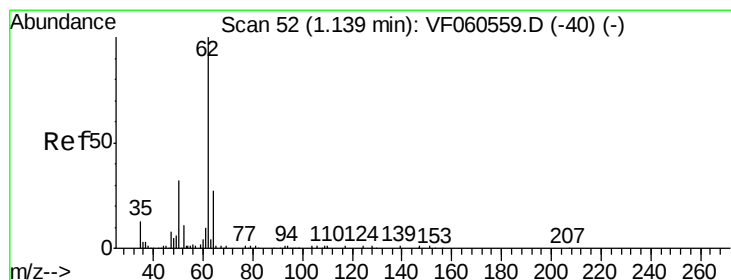
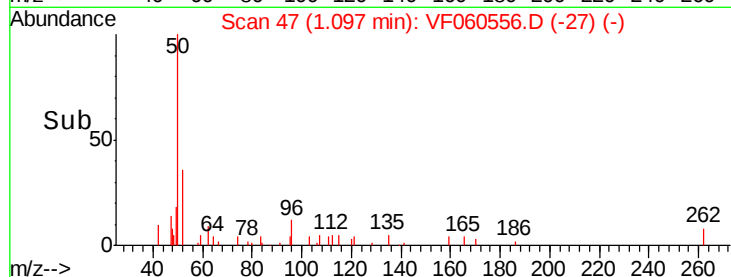
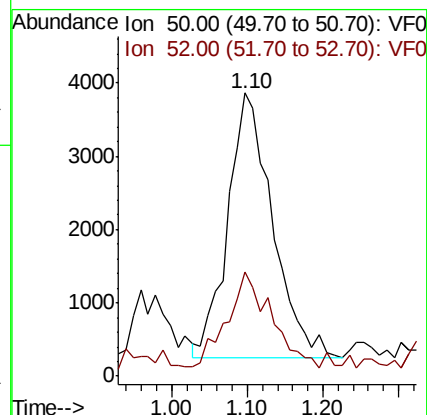
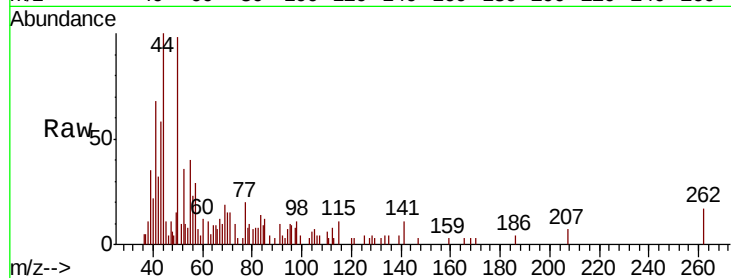
VSTDIC005

Tgt Ion: 50 Resp: 14759

Ion Ratio Lower Upper

50 100

52 36.8 24.0 36.0#



#4

Vinyl Chloride

Concen: 4.428 ug/l

RT: 1.16 min Scan# 53

Delta R.T. 0.02 min

Lab File: VF060556.D

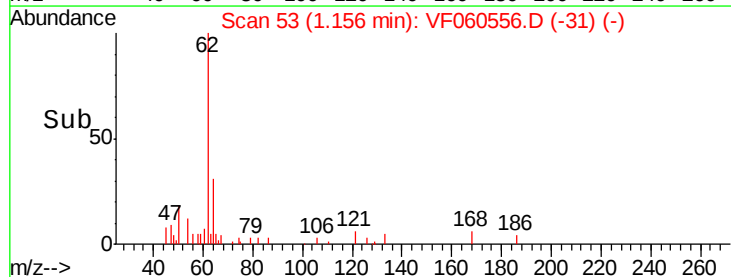
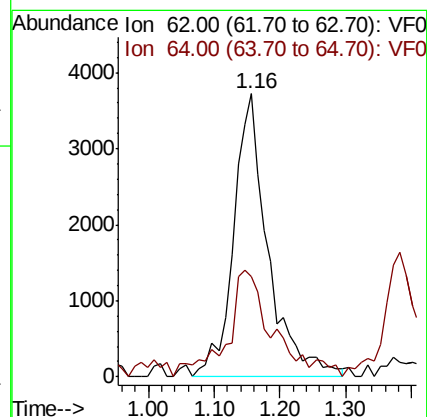
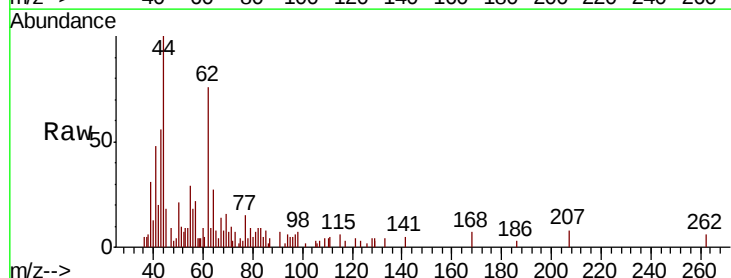
Acq: 2 Nov 2018 10:54

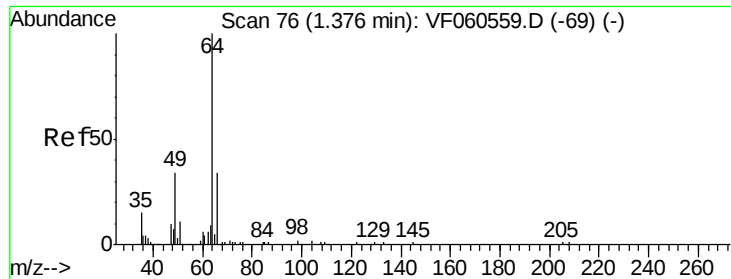
Tgt Ion: 62 Resp: 13620

Ion Ratio Lower Upper

62 100

64 35.6 21.8 32.6#





#6

Chloroethane

Concen: 3.747 ug/l

RT: 1.38 min Scan# 76

Delta R.T. 0.01 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

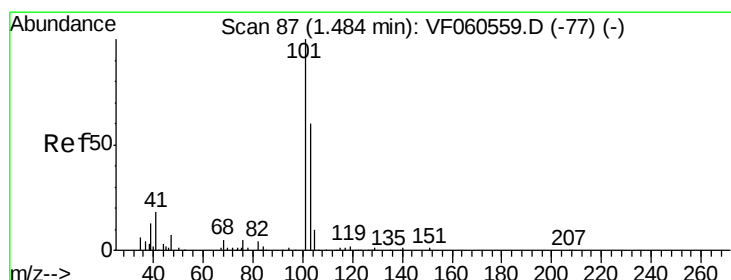
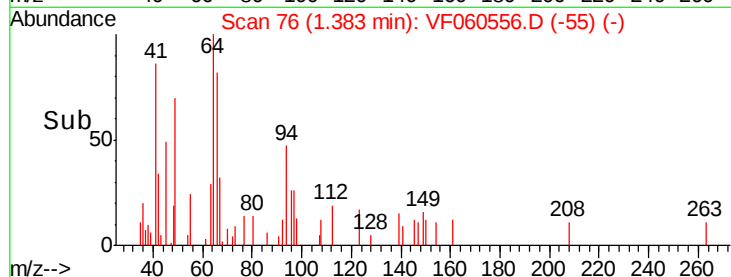
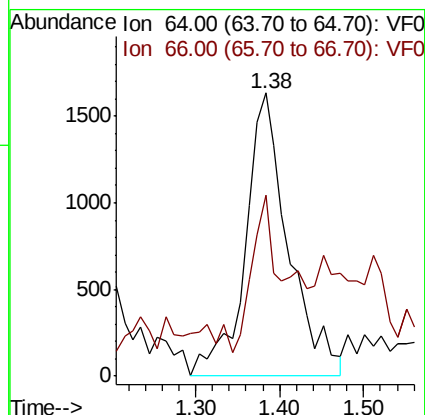
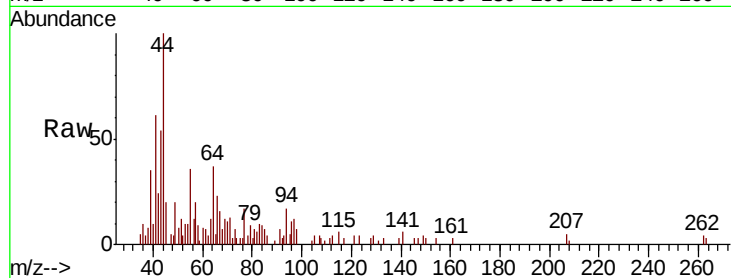
VSTDIC005

Tgt Ion: 64 Resp: 5873

Ion Ratio Lower Upper

64 100

66 63.8 27.8 41.8#



#7

Trichlorofluoromethane

Concen: 2.078 ug/l

RT: 1.49 min Scan# 87

Delta R.T. 0.01 min

Lab File: VF060556.D

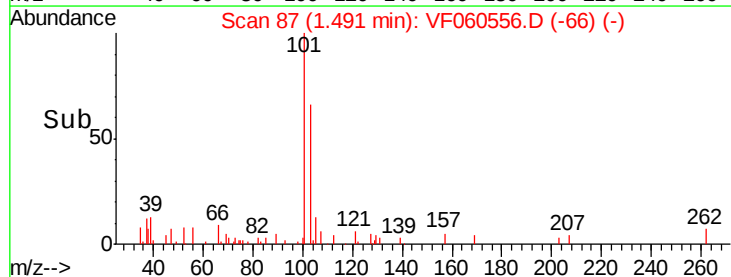
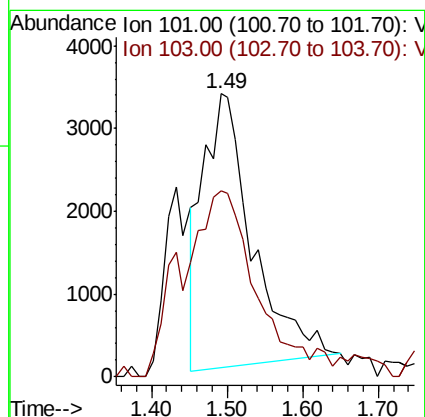
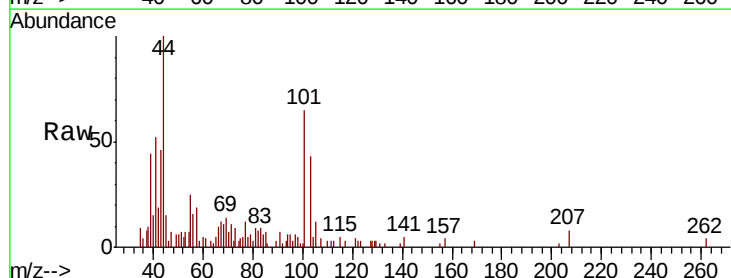
Acq: 2 Nov 2018 10:54

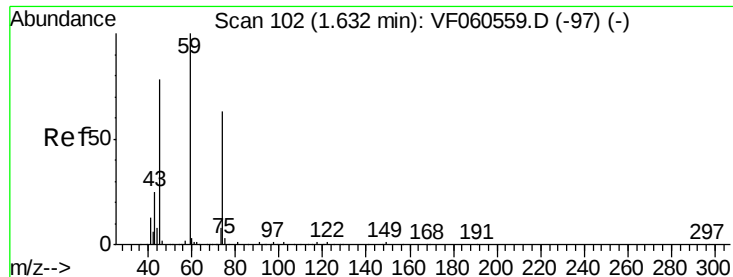
Tgt Ion: 101 Resp: 14899

Ion Ratio Lower Upper

101 100

103 65.8 48.0 72.0





#8

Diethyl Ether

Concen: 5.092 ug/l

RT: 1.63 min Scan# 101

Delta R.T. -0.00 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

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ClientSampleId :

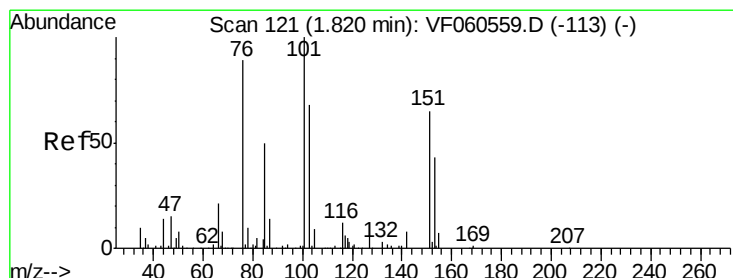
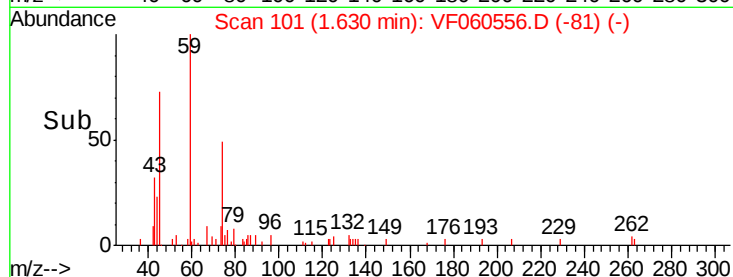
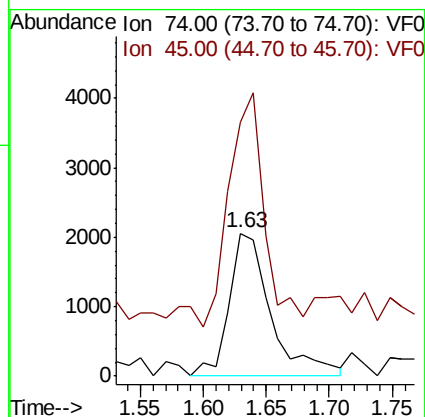
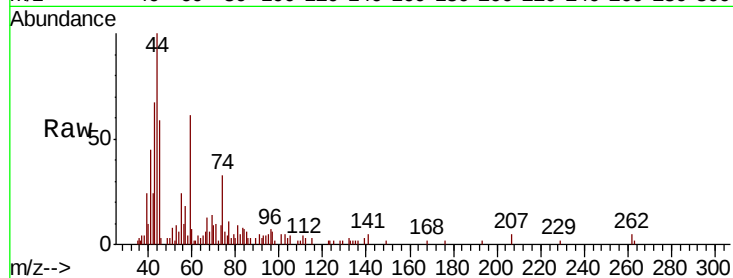
VSTDIC005

Tgt Ion: 74 Resp: 4742

Ion Ratio Lower Upper

74 100

45 177.6 63.8 191.5



#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.988 ug/l

RT: 1.83 min Scan# 121

Delta R.T. 0.01 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

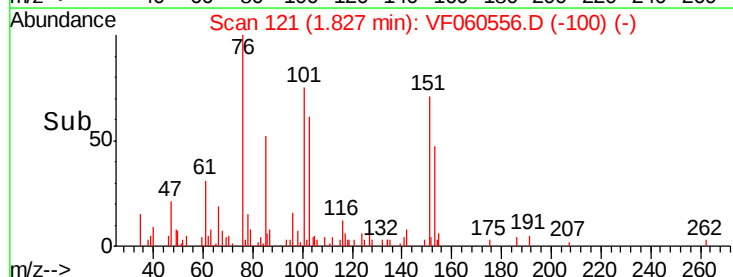
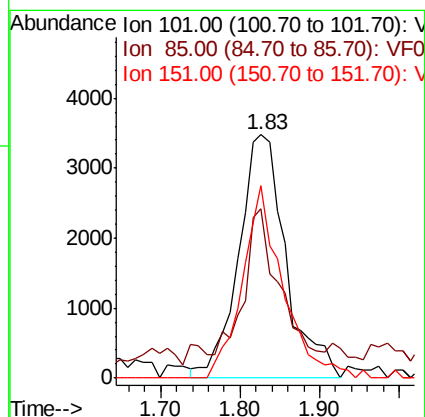
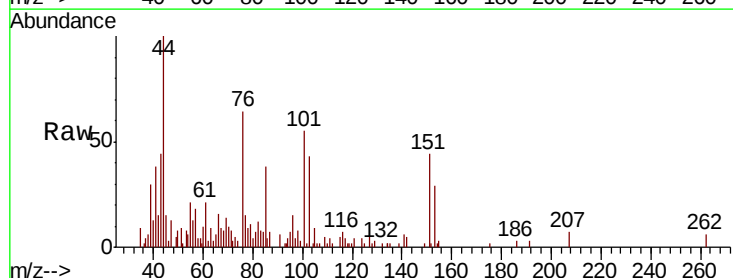
Tgt Ion: 101 Resp: 14232

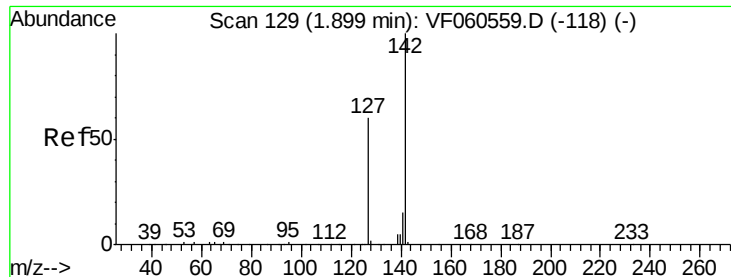
Ion Ratio Lower Upper

101 100

85 69.7 39.8 59.6#

151 79.0 50.8 76.2#

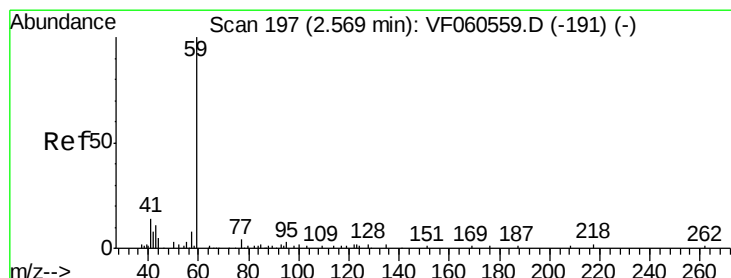
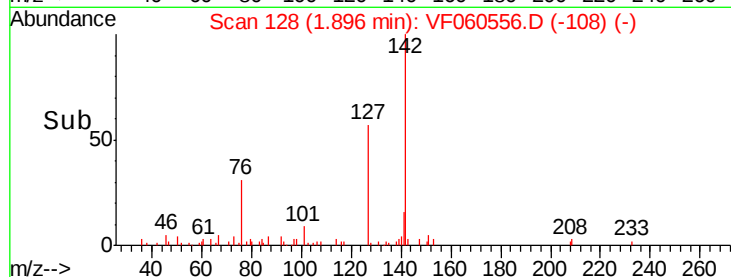
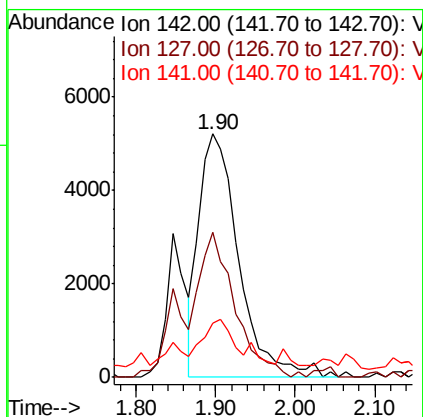
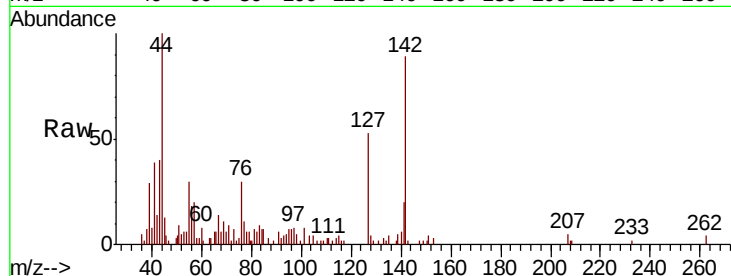




#10
Methyl Iodide
Concen: 3.264 ug/l
RT: 1.90 min Scan# 128
Delta R.T. -0.00 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

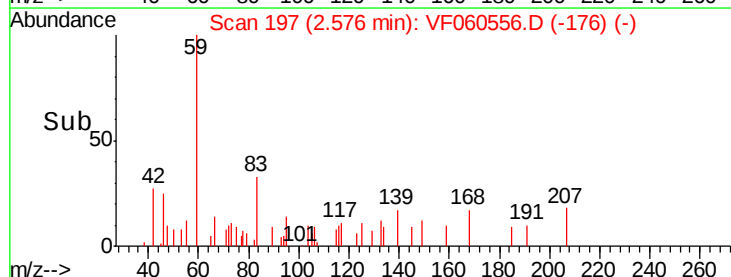
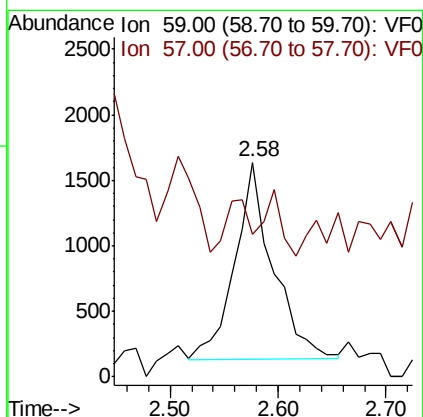
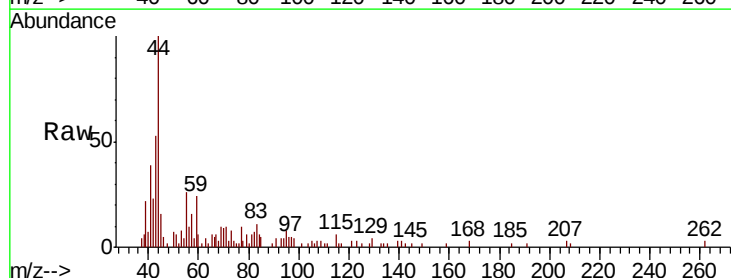
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

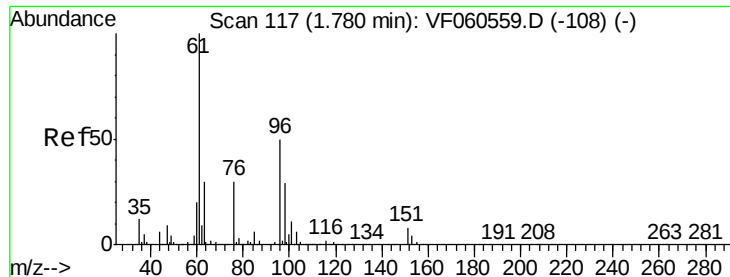
Tgt Ion: 142 Resp: 18171
Ion Ratio Lower Upper
142 100
127 59.3 47.8 71.6
141 22.0 12.7 19.1#



#11
Tert butyl alcohol
Concen: 19.907 ug/l
RT: 2.58 min Scan# 197
Delta R.T. 0.01 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

Tgt Ion: 59 Resp: 3704
Ion Ratio Lower Upper
59 100
57 66.7 19.0 28.4#





#12

1,1-Dichloroethene

Concen: 3.906 ug/l

RT: 1.79 min Scan# 117

Delta R.T. 0.01 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

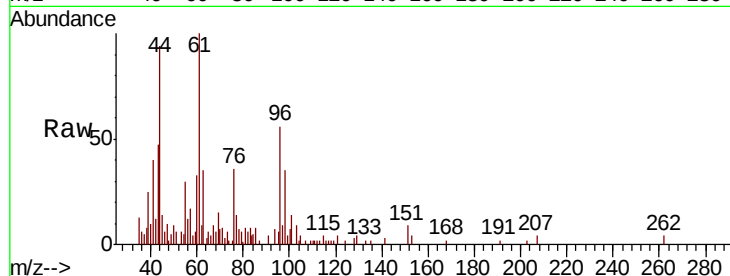
Tgt Ion: 96 Resp: 11224

Ion Ratio Lower Upper

96 100

61 178.5 158.1 237.1

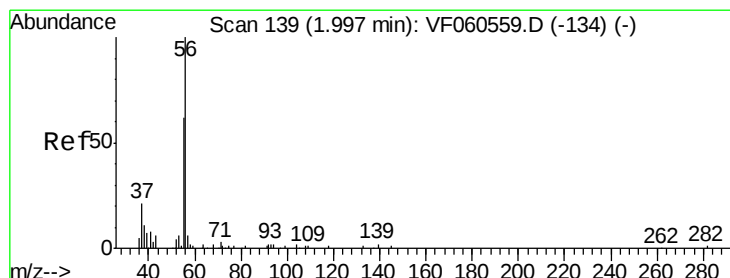
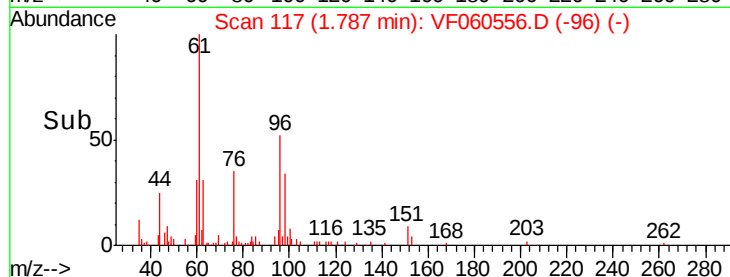
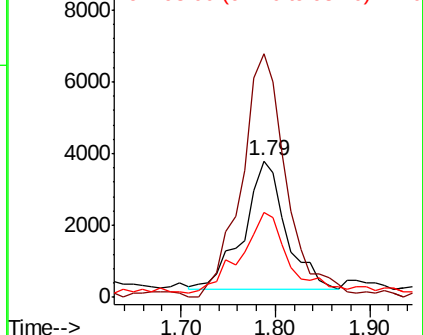
98 62.4 47.0 70.6



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#13

Acrolein

Concen: 31.459 ug/l

RT: 2.00 min Scan# 139

Delta R.T. 0.01 min

Lab File: VF060556.D

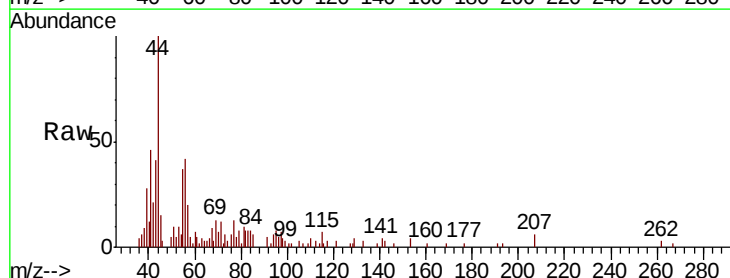
Acq: 2 Nov 2018 10:54

Tgt Ion: 56 Resp: 5021

Ion Ratio Lower Upper

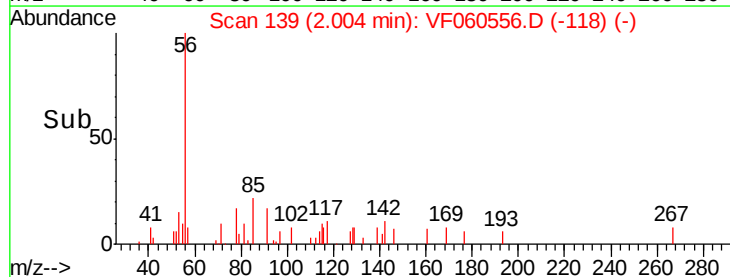
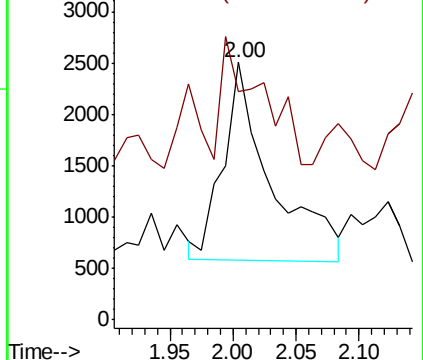
56 100

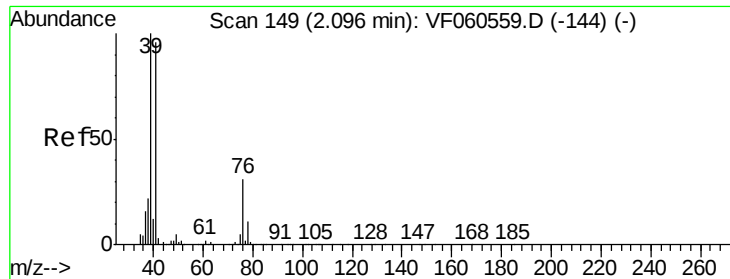
55 88.8 61.8 92.6



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

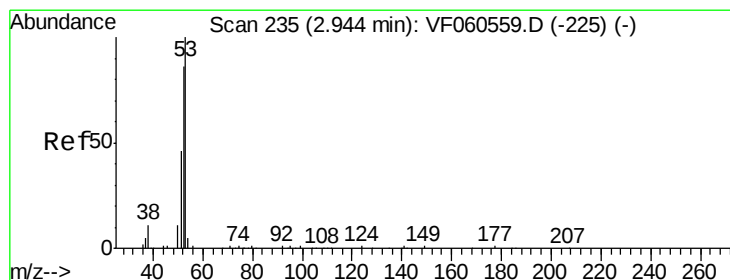
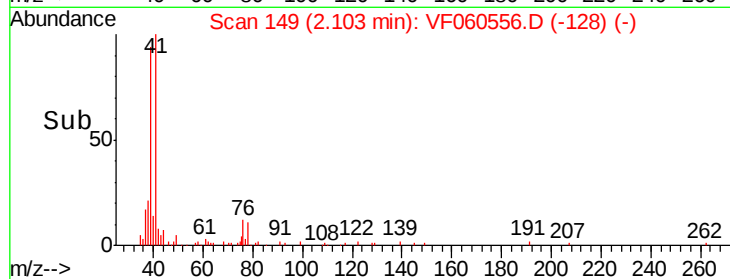
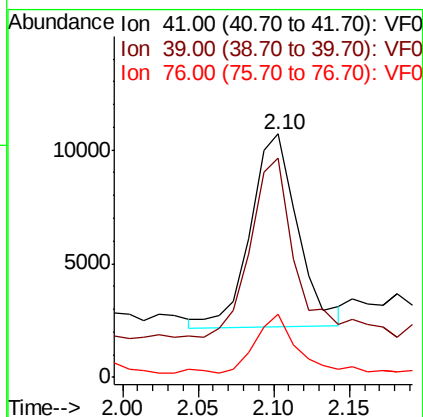
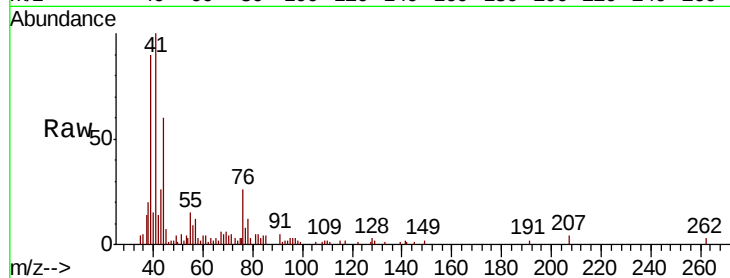




#14
 Allyl chloride
 Concen: 3.997 ug/l
 RT: 2.10 min Scan# 149
 Delta R.T. 0.01 min
 Lab File: VF060556.D
 Acq: 2 Nov 2018 10:54

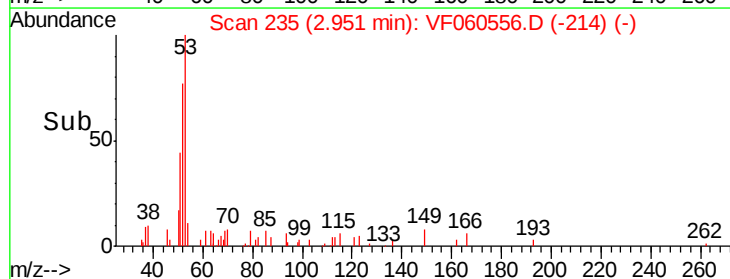
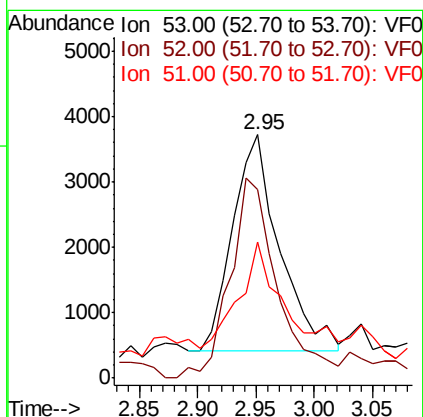
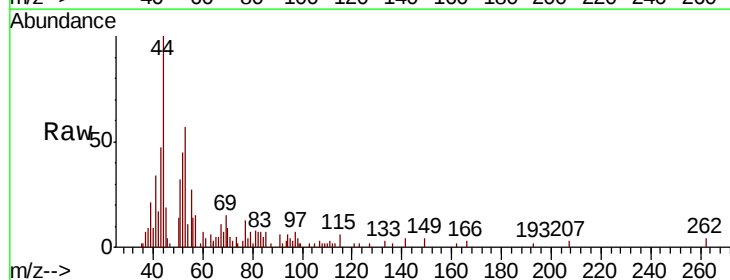
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

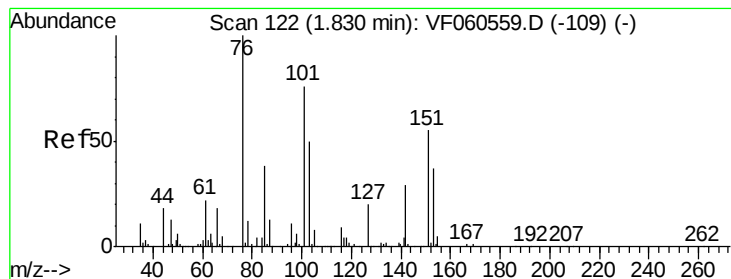
Tgt Ion: 41 Resp: 18443
 Ion Ratio Lower Upper
 41 100
 39 90.1 82.6 124.0
 76 25.8 26.7 40.1#



#15
 Acrylonitrile
 Concen: 23.010 ug/l
 RT: 2.95 min Scan# 235
 Delta R.T. 0.01 min
 Lab File: VF060556.D
 Acq: 2 Nov 2018 10:54

Tgt Ion: 53 Resp: 9197
 Ion Ratio Lower Upper
 53 100
 52 77.7 68.5 102.7
 51 56.1 38.2 57.2





#17

Carbon Disulfide

Concen: 4.196 ug/l

RT: 1.84 min Scan# 122

Delta R.T. 0.01 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

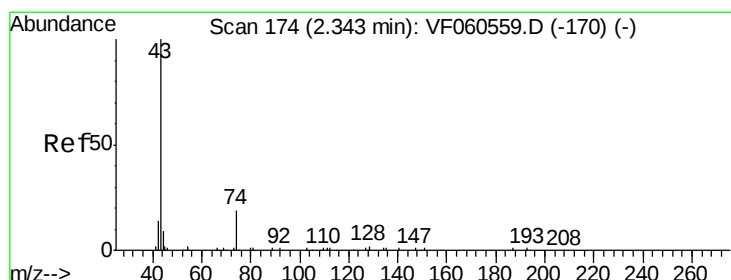
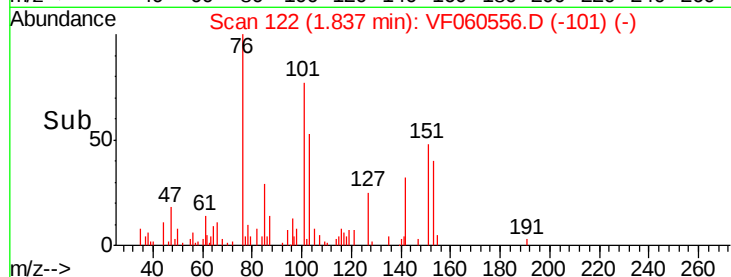
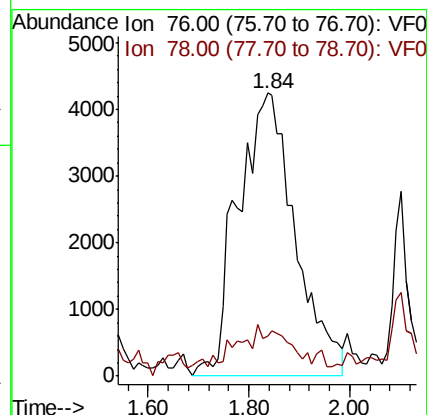
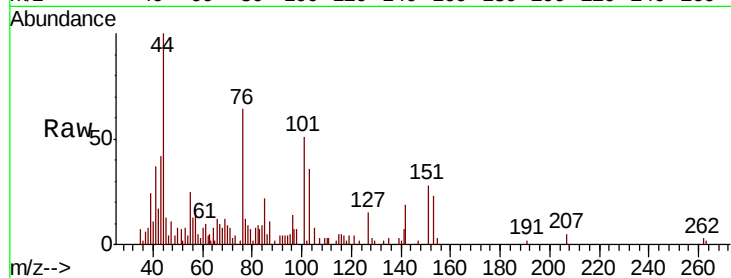
VSTDIC005

Tgt Ion: 76 Resp: 33623

Ion Ratio Lower Upper

76 100

78 14.2 9.9 14.9



#18

Methyl Acetate

Concen: 7.454 ug/l

RT: 2.35 min Scan# 174

Delta R.T. 0.01 min

Lab File: VF060556.D

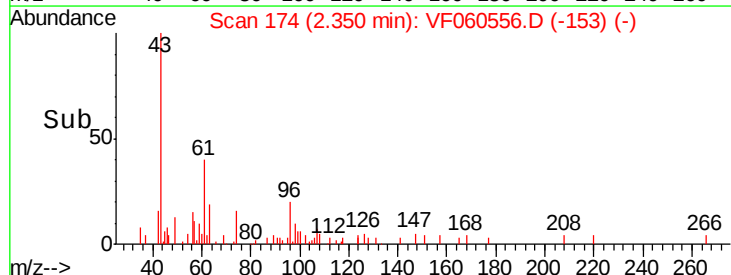
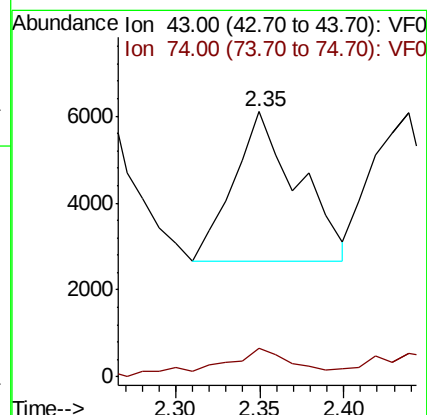
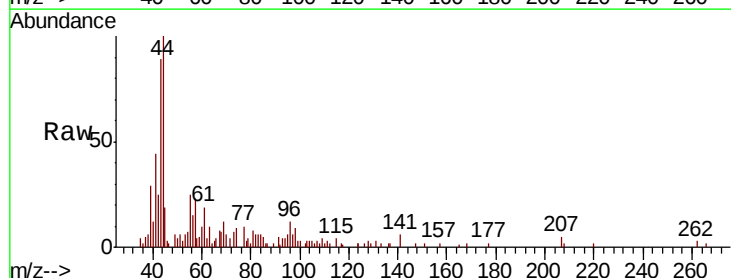
Acq: 2 Nov 2018 10:54

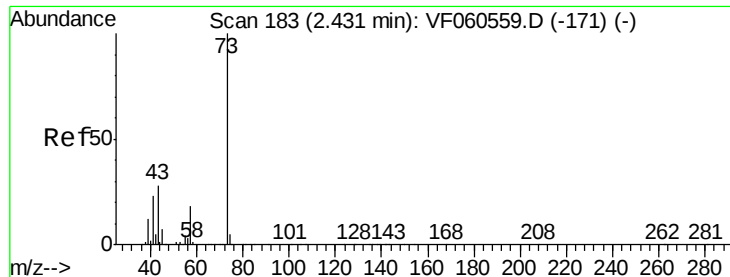
Tgt Ion: 43 Resp: 9159

Ion Ratio Lower Upper

43 100

74 10.6 12.1 18.1#



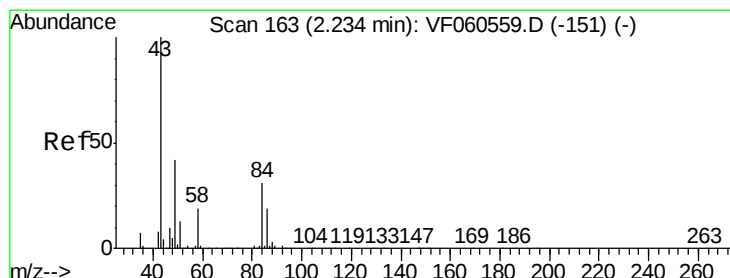
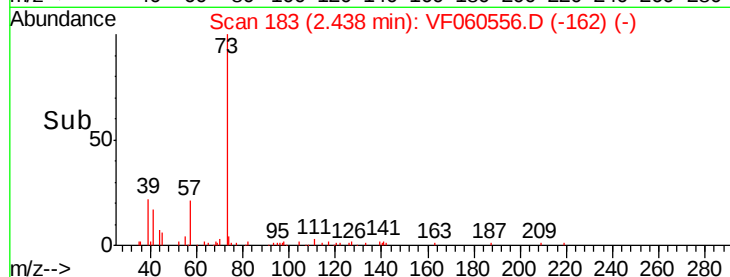
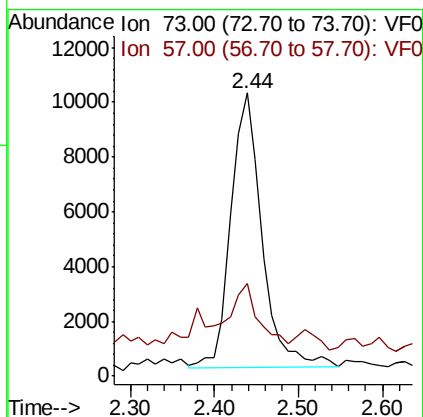
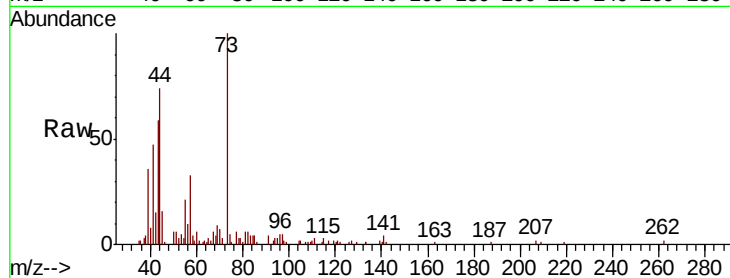


#19

Methyl tert-butyl Ether
Concen: 4.064 ug/l
RT: 2.44 min Scan# 183
Delta R.T. 0.01 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

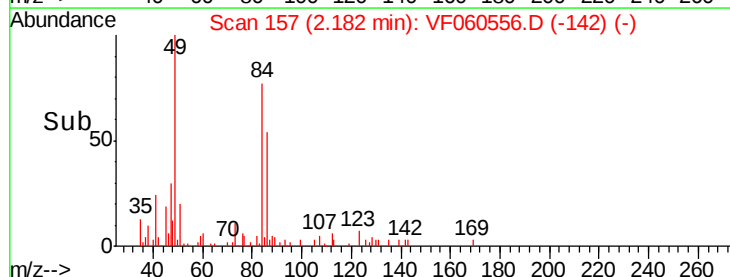
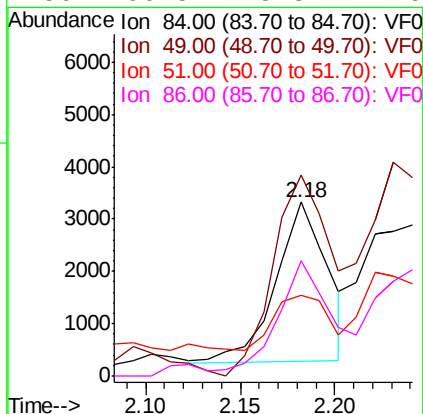
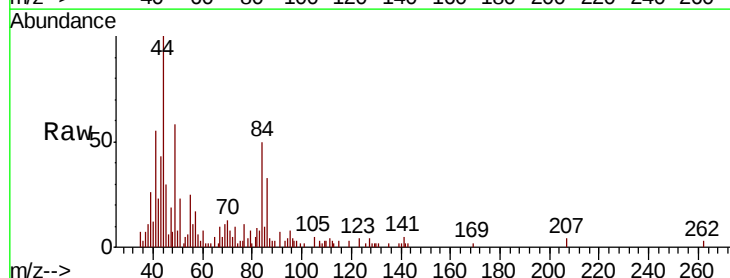
Tgt Ion: 73 Resp: 25623
Ion Ratio Lower Upper
73 100
57 32.6 15.4 23.0#

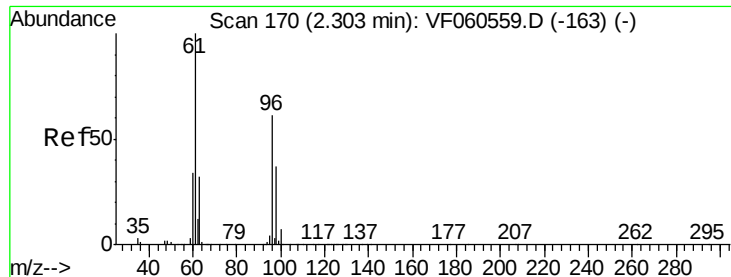


#20

Methylene Chloride
Concen: 1.936 ug/l
RT: 2.18 min Scan# 157
Delta R.T. -0.05 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

Tgt Ion: 84 Resp: 5819
Ion Ratio Lower Upper
84 100
49 116.2 109.9 164.9
51 46.4 35.8 53.8
86 66.5 48.3 72.5





#21

trans-1,2-Dichloroethene

Concen: 4.100 ug/l

RT: 2.31 min Scan# 170

Delta R.T. 0.01 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

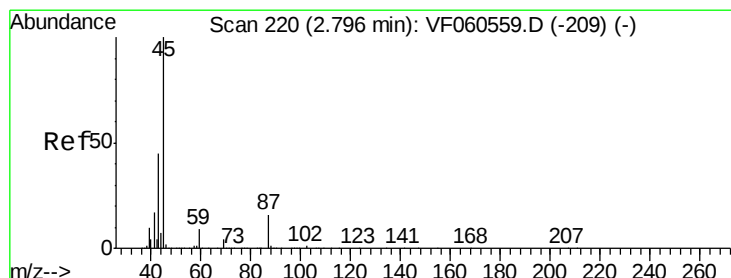
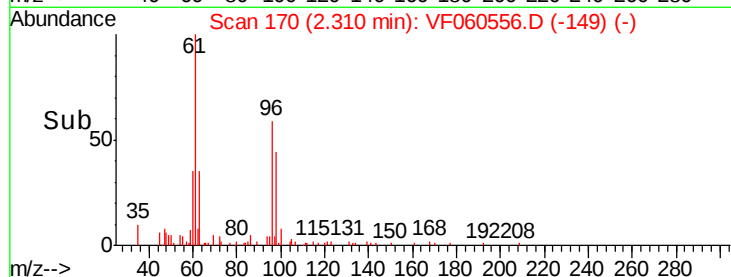
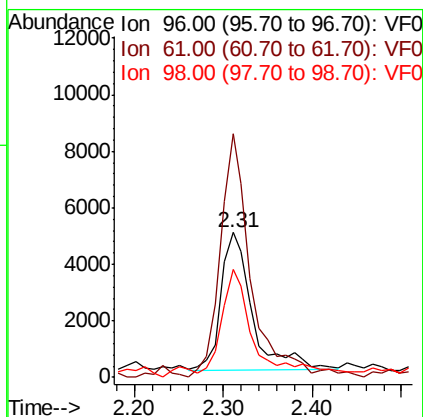
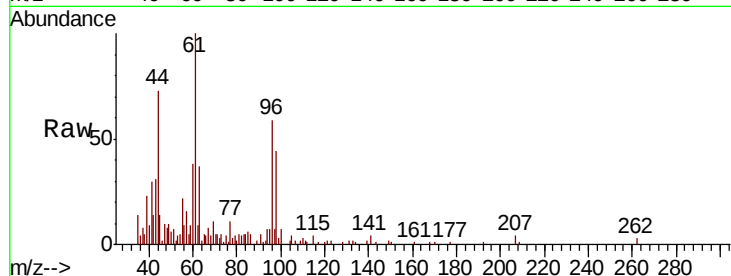
Tgt Ion: 96 Resp: 12063

Ion Ratio Lower Upper

96 100

61 168.3 131.3 196.9

98 74.8 48.6 73.0#



#22

Diisopropyl ether

Concen: 4.657 ug/l

RT: 2.80 min Scan# 220

Delta R.T. 0.01 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Tgt Ion: 45 Resp: 38930

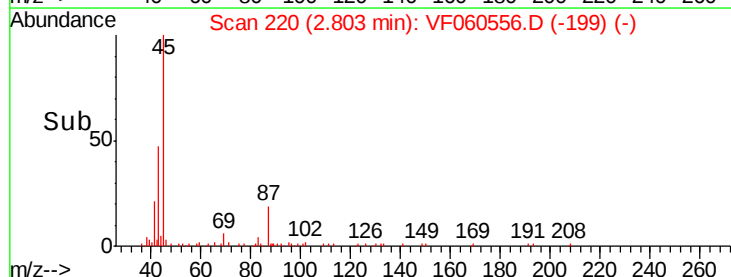
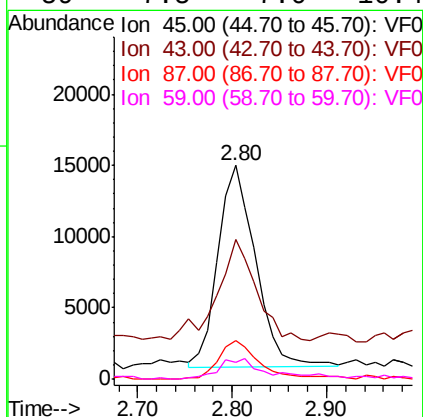
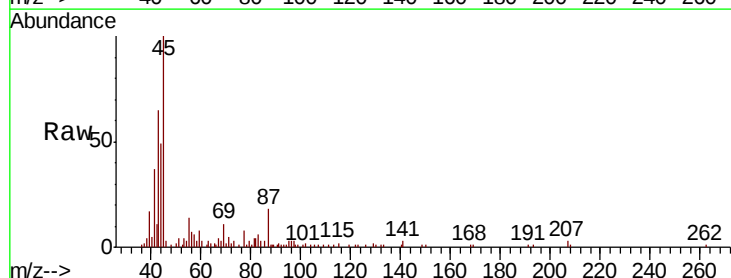
Ion Ratio Lower Upper

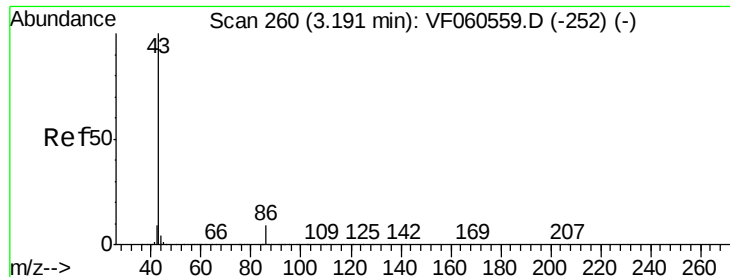
45 100

43 65.3 38.1 57.1#

87 18.0 12.7 19.1

59 7.5 7.0 10.4





#23

Vinyl Acetate

Concen: 33.785 ug/l

RT: 3.19 min Scan# 259

Delta R.T. -0.00 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

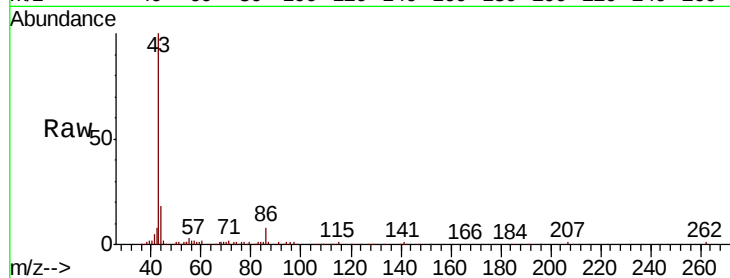
VSTDIC005

Tgt Ion: 43 Resp: 111310

Ion Ratio Lower Upper

43 100

86 8.2 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

3.19

50000

40000

30000

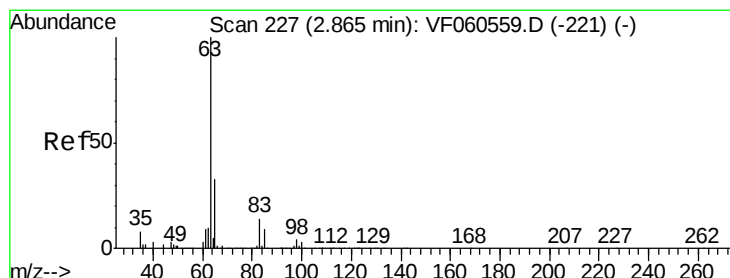
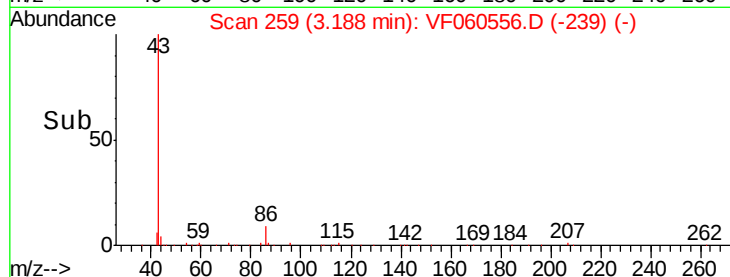
20000

10000

0

Time-->

3.10 3.20 3.30



#24

1,1-Dichloroethane

Concen: 3.561 ug/l

RT: 2.87 min Scan# 227

Delta R.T. 0.01 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

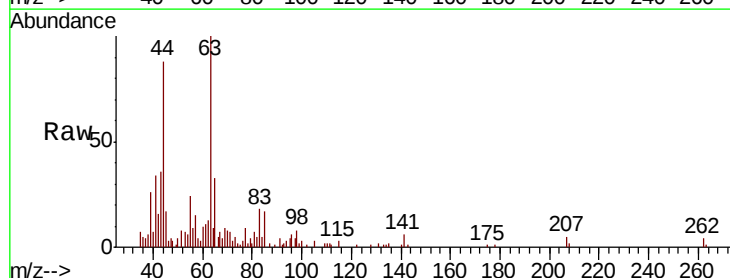
Tgt Ion: 63 Resp: 21301

Ion Ratio Lower Upper

63 100

98 8.1 2.2 6.6#

100 2.7 1.4 4.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0

10000

8000

6000

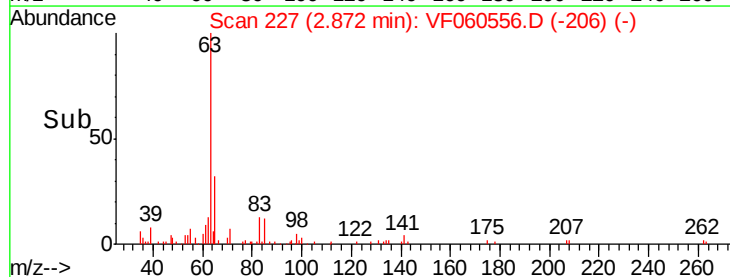
4000

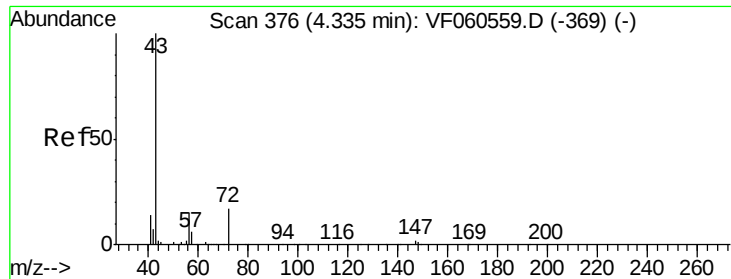
2000

0

Time-->

2.80 2.90 3.00

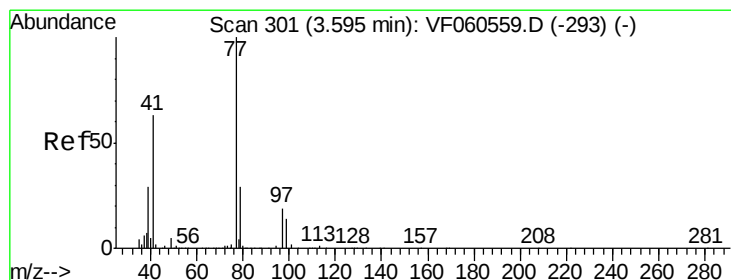
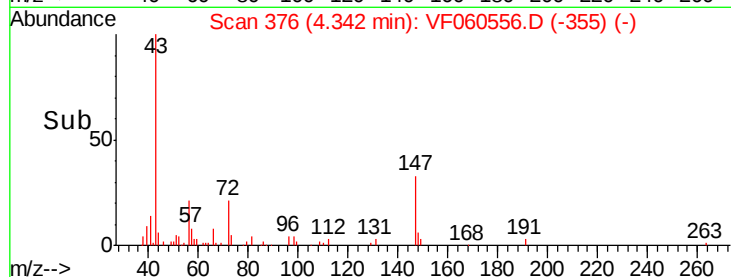
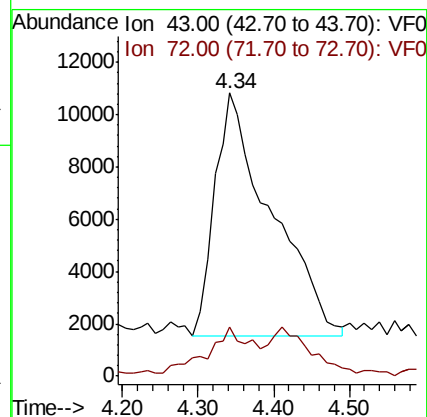
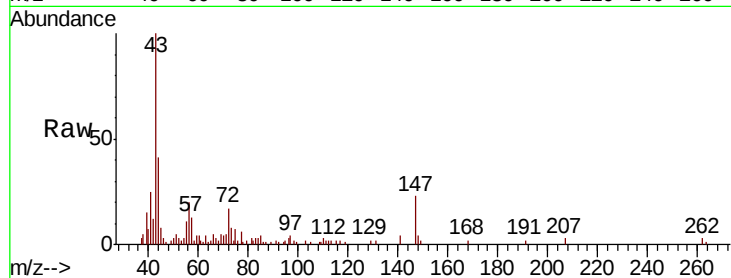




#25
2-Butanone
Concen: 39.016 ug/l
RT: 4.34 min Scan# 376
Delta R.T. 0.01 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

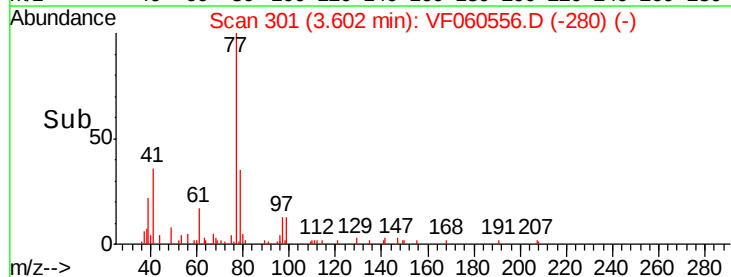
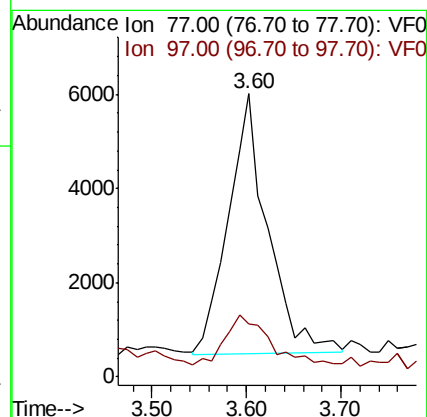
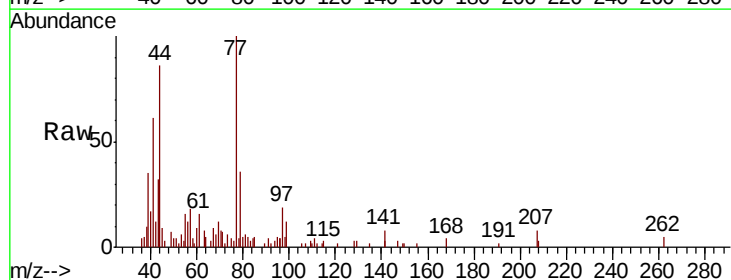
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

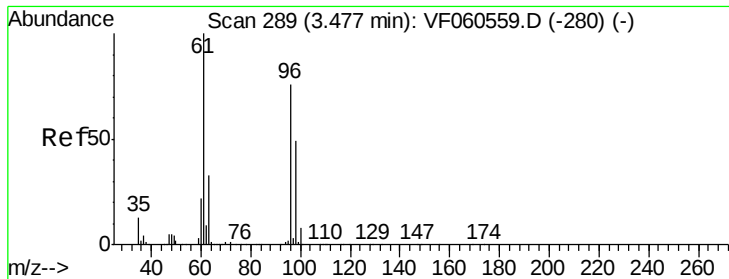
Tgt Ion: 43 Resp: 48032
Ion Ratio Lower Upper
43 100
72 17.2 16.2 24.2



#26
2,2-Dichloropropane
Concen: 4.304 ug/l
RT: 3.60 min Scan# 301
Delta R.T. 0.01 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

Tgt Ion: 77 Resp: 15896
Ion Ratio Lower Upper
77 100
97 18.8 9.8 29.3



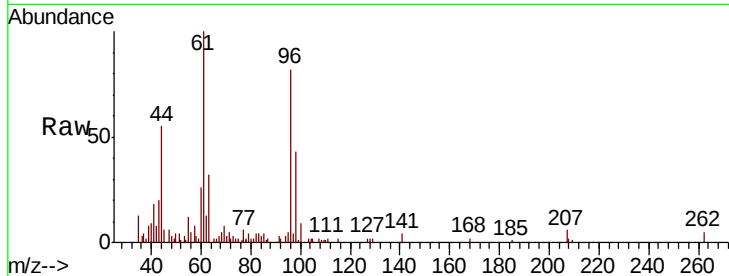


#27

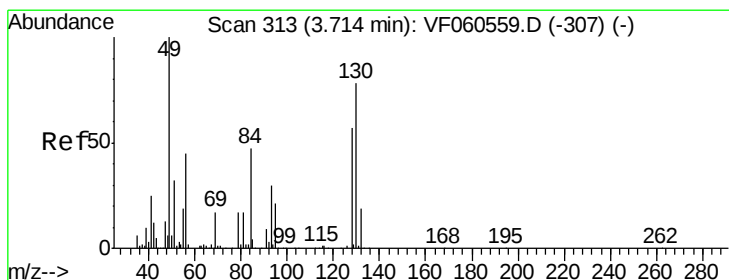
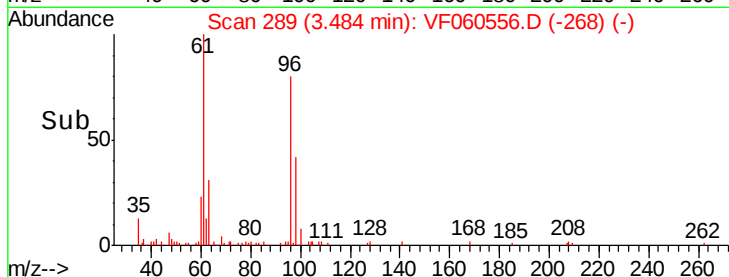
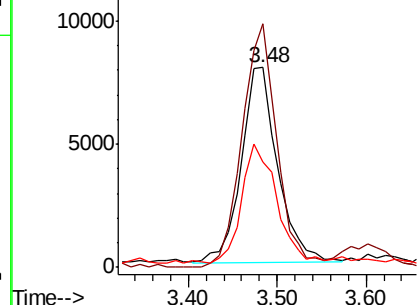
cis-1,2-Dichloroethene
 Concen: 6.061 ug/l
 RT: 3.48 min Scan# 289
 Delta R.T. 0.01 min
 Lab File: VF060556.D
 Acq: 2 Nov 2018 10:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tgt Ion: 96 Resp: 22511
 Ion Ratio Lower Upper
 96 100
 61 121.8 0.0 263.0
 98 52.4 0.0 130.6



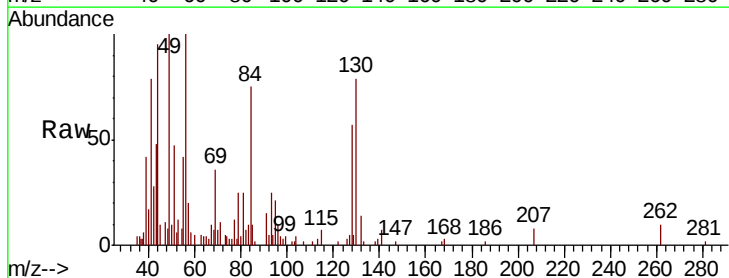
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



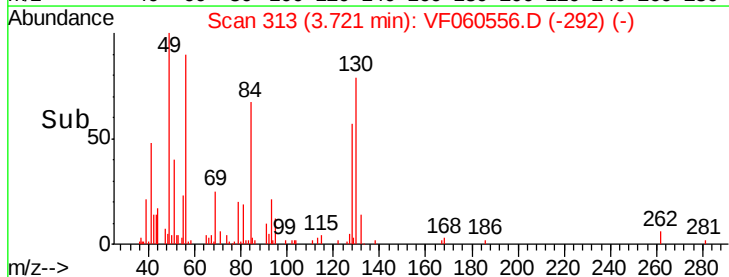
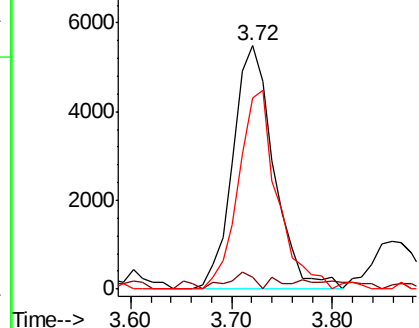
#28

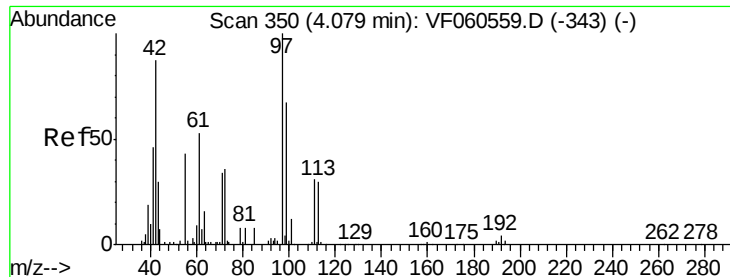
Bromochloromethane
 Concen: 6.829 ug/l
 RT: 3.72 min Scan# 313
 Delta R.T. 0.01 min
 Lab File: VF060556.D
 Acq: 2 Nov 2018 10:54

Tgt Ion: 49 Resp: 15507
 Ion Ratio Lower Upper
 49 100
 129 5.1 0.0 4.6#
 130 78.8 61.8 92.8



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





#29

Tetrahydrofuran

Concen: 38.510 ug/l

RT: 4.09 min Scan# 350

Delta R.T. 0.01 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

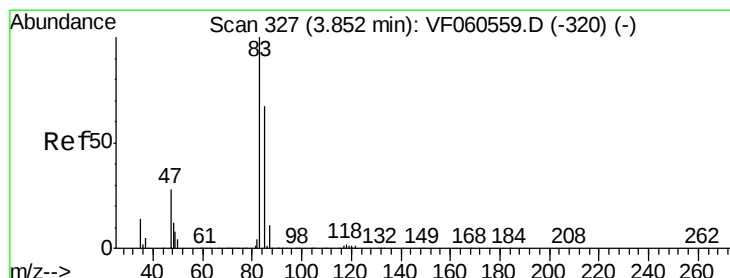
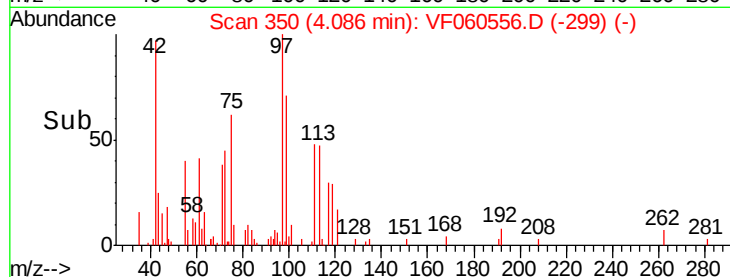
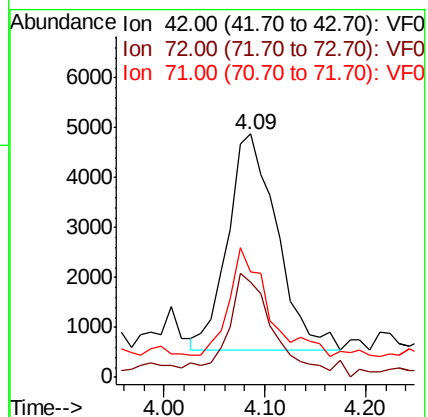
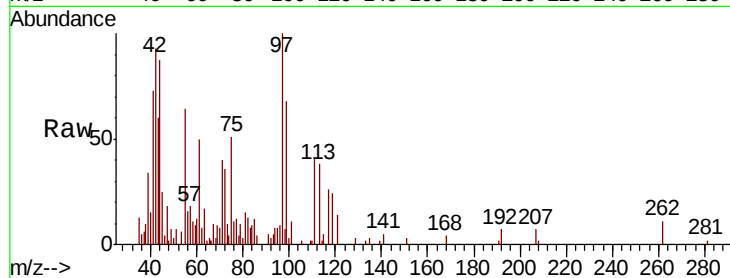
Tgt Ion: 42 Resp: 14701

Ion Ratio Lower Upper

42 100

72 43.1 31.4 47.0

71 41.6 31.8 47.6



#30

Chloroform

Concen: 4.571 ug/l

RT: 3.86 min Scan# 327

Delta R.T. 0.01 min

Lab File: VF060556.D

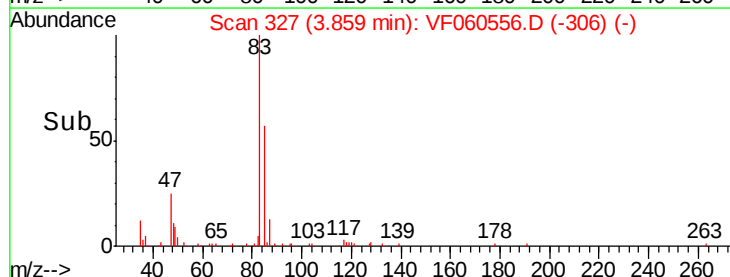
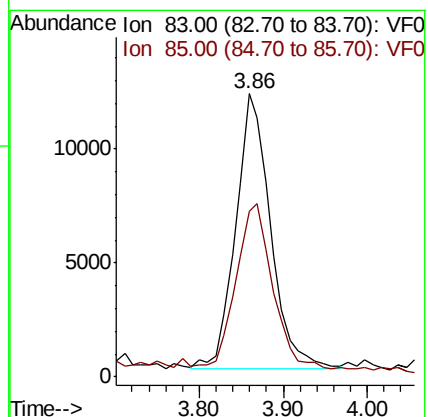
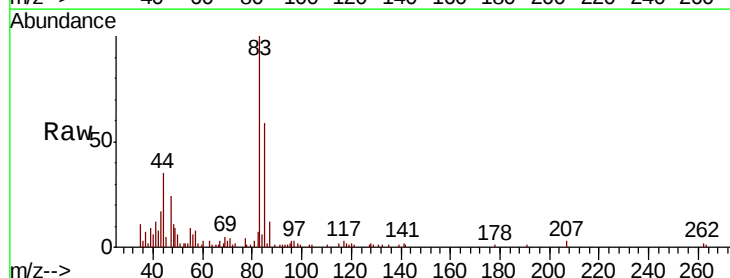
Acq: 2 Nov 2018 10:54

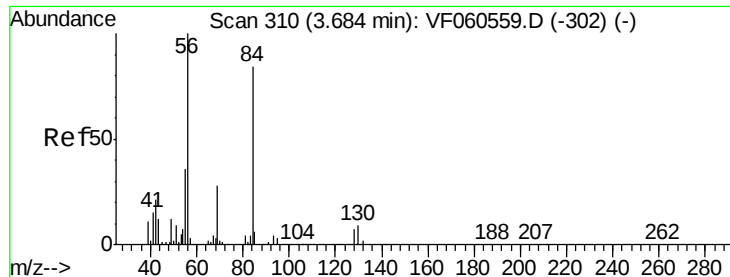
Tgt Ion: 83 Resp: 34836

Ion Ratio Lower Upper

83 100

85 58.7 53.7 80.5





#31

Cyclohexane

Concen: 7.557 ug/l

RT: 3.69 min Scan# 310

Delta R.T. 0.01 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

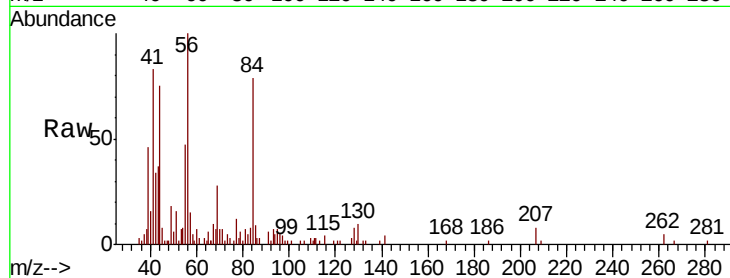
Tgt Ion: 56 Resp: 34846

Ion Ratio Lower Upper

56 100

69 27.7 23.0 34.4

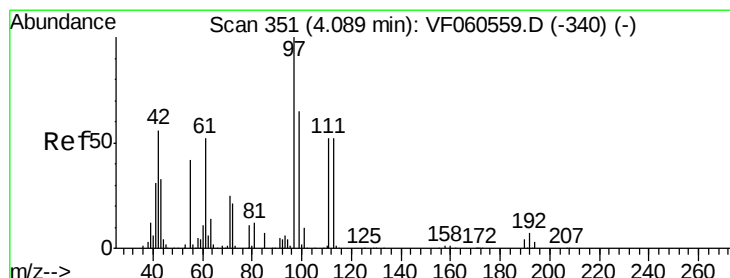
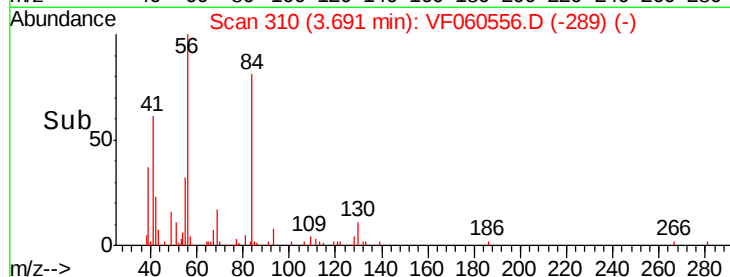
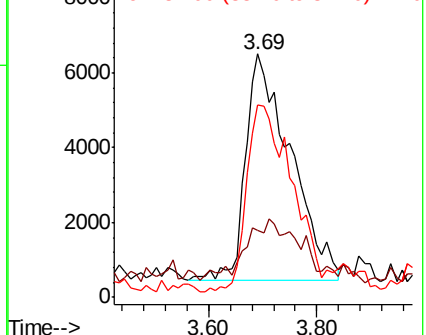
84 79.0 67.1 100.7



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: 4.054 ug/l

RT: 4.10 min Scan# 351

Delta R.T. 0.01 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

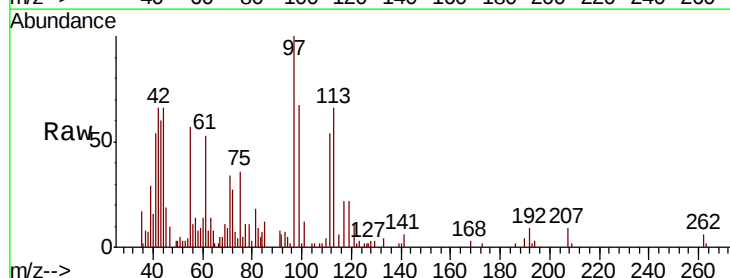
Tgt Ion: 97 Resp: 24998

Ion Ratio Lower Upper

97 100

99 66.6 52.4 78.6

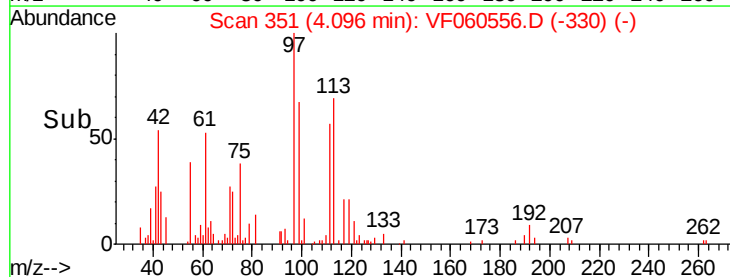
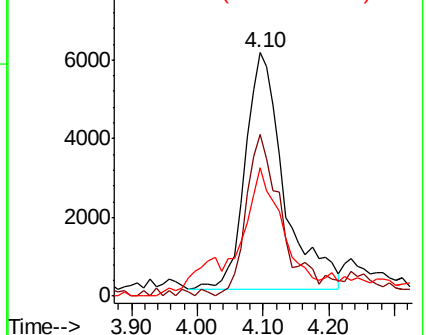
61 52.6 41.5 62.3

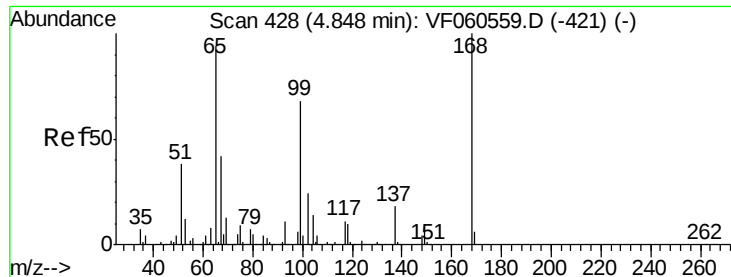


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

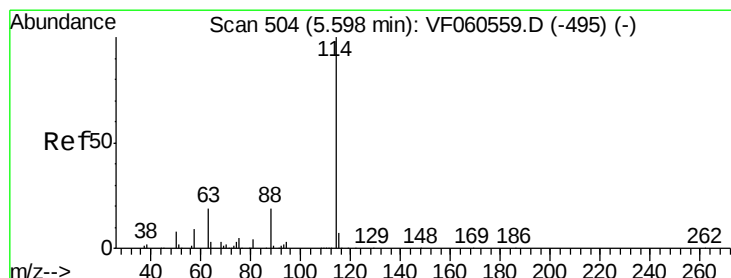
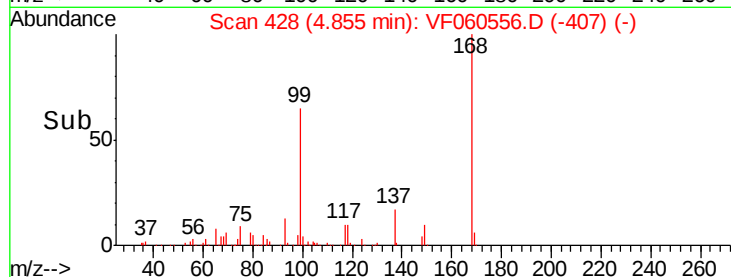
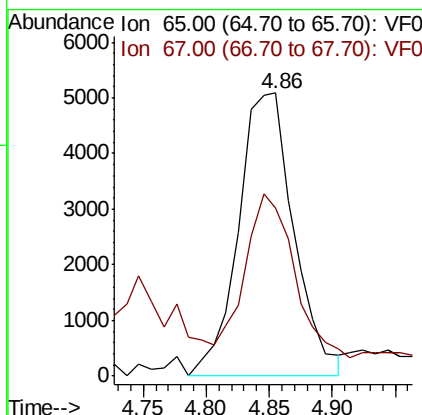
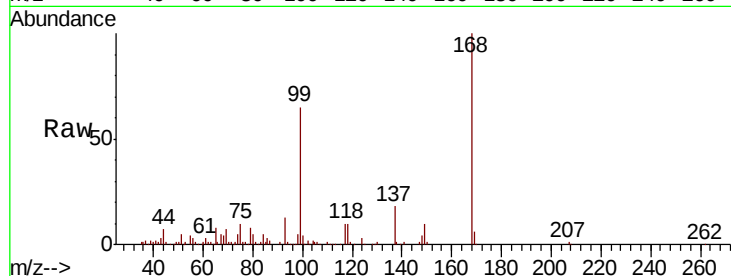




#33
 1,2-Dichloroethane-d4
 Concen: 4.018 ug/l
 RT: 4.86 min Scan# 428
 Delta R.T. 0.01 min
 Lab File: VF060556.D
 Acq: 2 Nov 2018 10:54

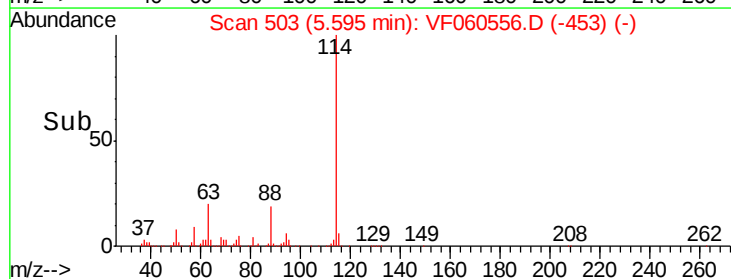
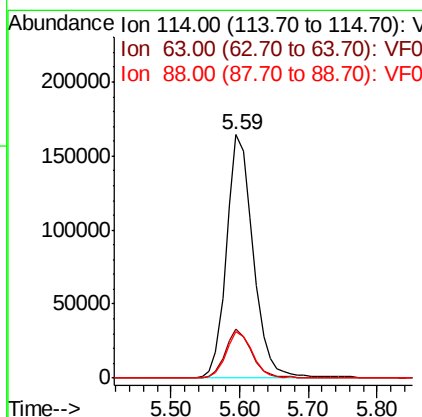
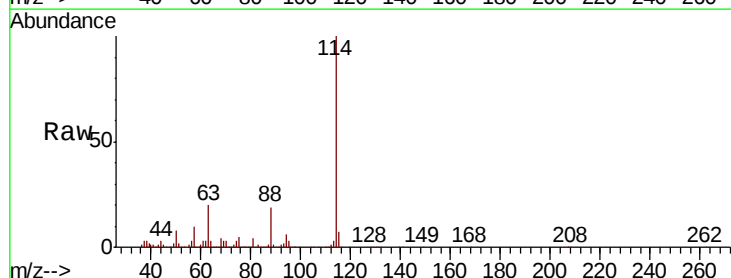
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

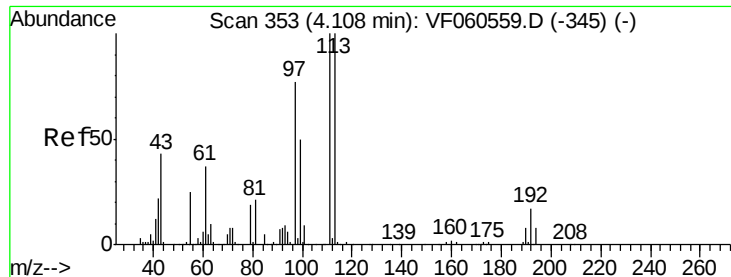
Tgt Ion: 65 Resp: 15588
 Ion Ratio Lower Upper
 65 100
 67 59.3 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.59 min Scan# 503
 Delta R.T. -0.00 min
 Lab File: VF060556.D
 Acq: 2 Nov 2018 10:54

Tgt Ion: 114 Resp: 442518
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.0
 88 19.2 0.0 38.2

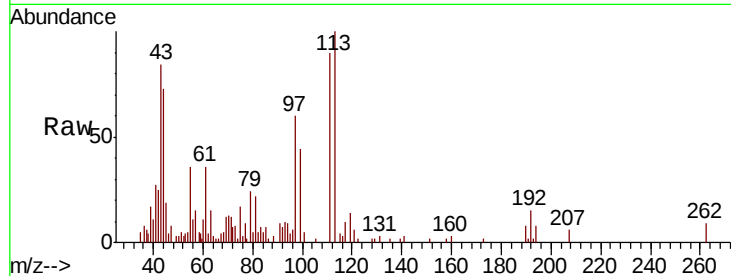




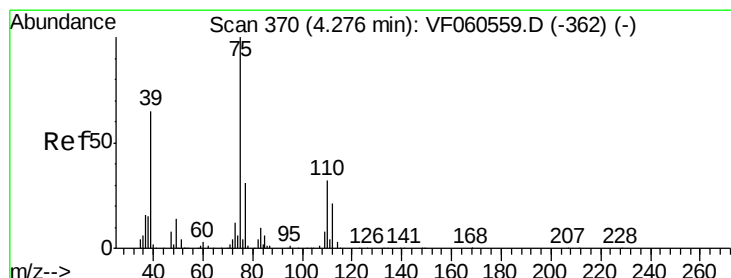
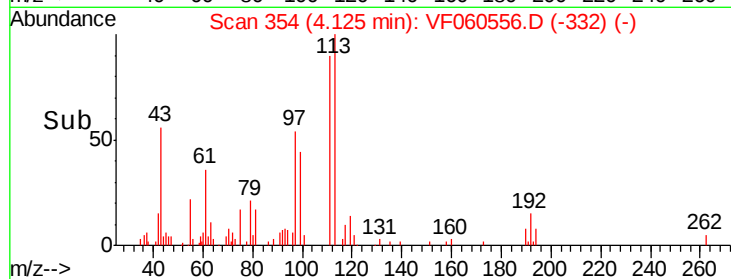
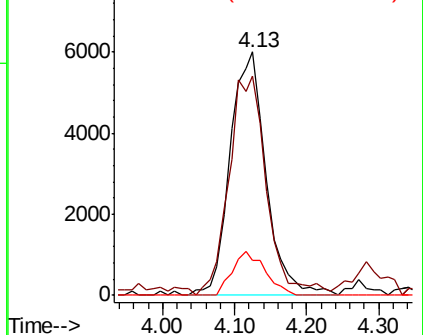
#35
 Dibromofluoromethane
 Concen: 5.025 ug/l
 RT: 4.13 min Scan# 354
 Delta R.T. 0.02 min
 Lab File: VF060556.D
 Acq: 2 Nov 2018 10:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tgt Ion: 113 Resp: 20879
 Ion Ratio Lower Upper
 113 100
 111 90.0 79.9 119.9
 192 16.4 13.3 19.9

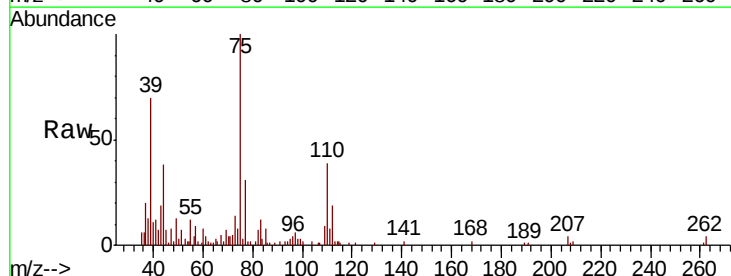


Abundance Ion 113.00 (112.70 to 113.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 192.00 (191.70 to 192.70): V

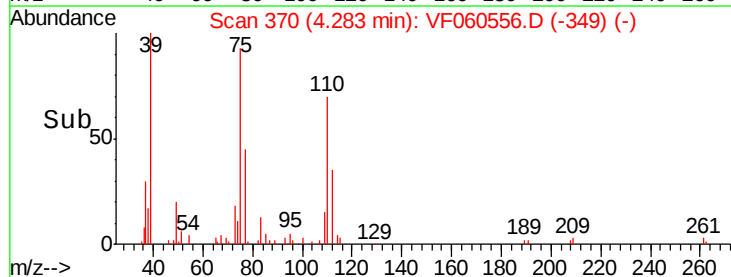
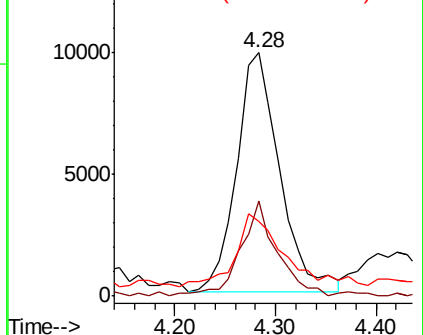


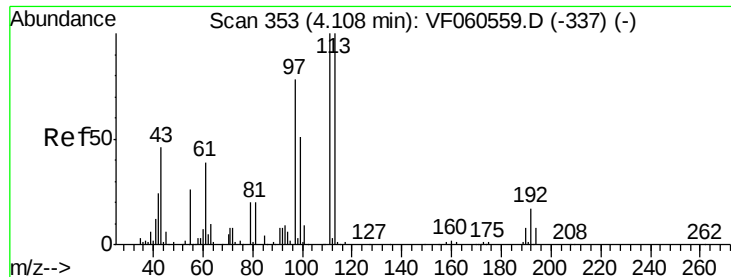
#36
 1,1-Dichloropropene
 Concen: 5.366 ug/l
 RT: 4.28 min Scan# 370
 Delta R.T. 0.01 min
 Lab File: VF060556.D
 Acq: 2 Nov 2018 10:54

Tgt Ion: 75 Resp: 29109
 Ion Ratio Lower Upper
 75 100
 110 39.3 16.2 48.6
 77 30.8 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VF0
 Ion 110.00 (109.70 to 110.70): V
 Ion 77.00 (76.70 to 77.70): VF0

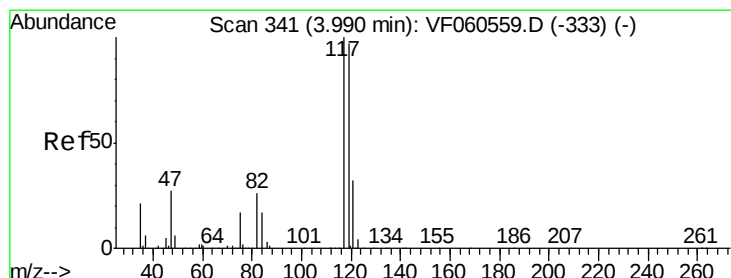
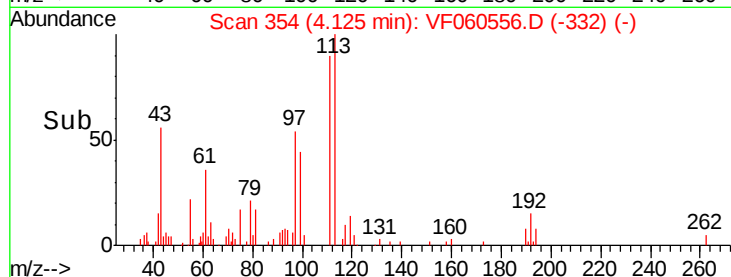
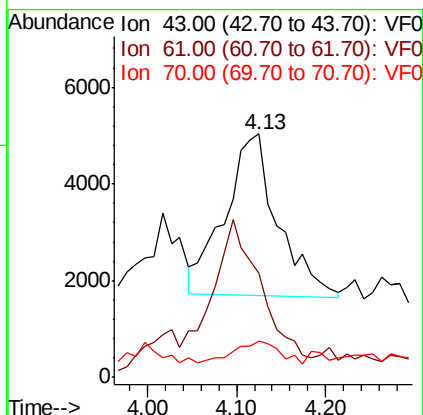
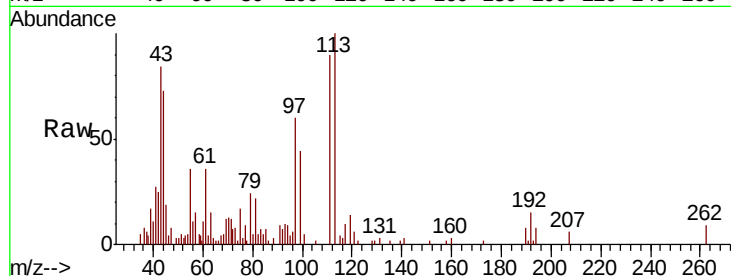




#37
Ethyl Acetate
Concen: 7.428 ug/l
RT: 4.13 min Scan# 354
Delta R.T. 0.02 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

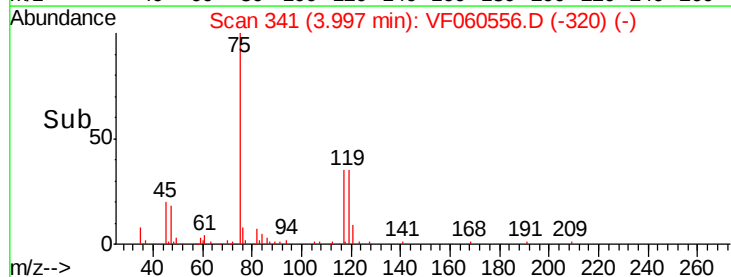
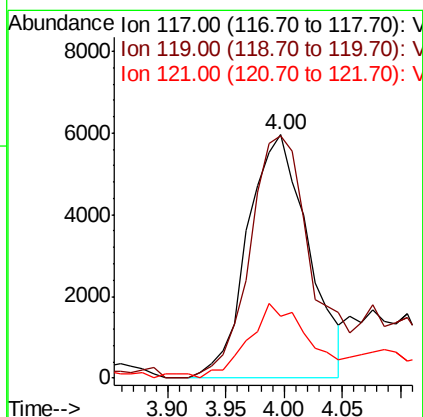
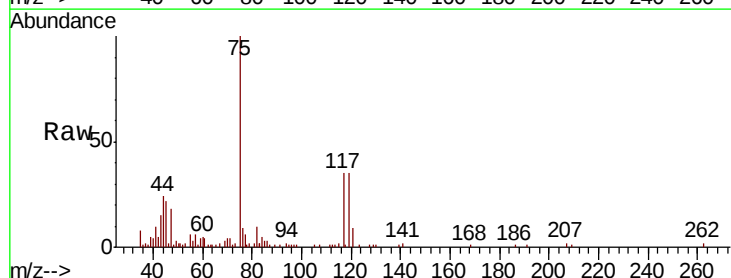
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

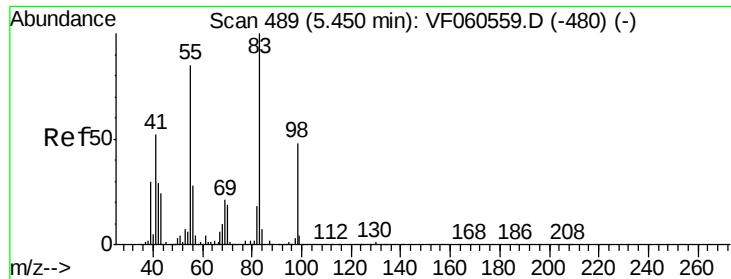
Tgt Ion: 43 Resp: 13760
Ion Ratio Lower Upper
43 100
61 43.0 63.4 95.2#
70 15.1 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 3.479 ug/l
RT: 4.00 min Scan# 341
Delta R.T. 0.01 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

Tgt Ion: 117 Resp: 21561
Ion Ratio Lower Upper
117 100
119 99.6 77.8 116.6
121 25.5 25.6 38.4#

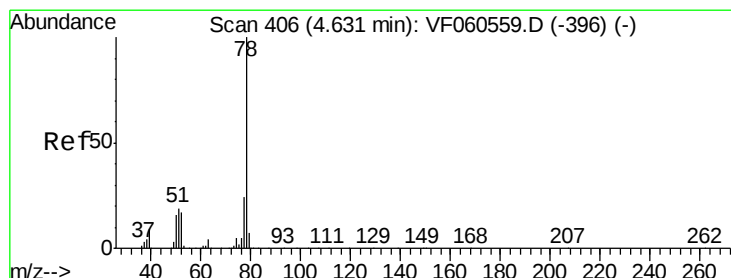
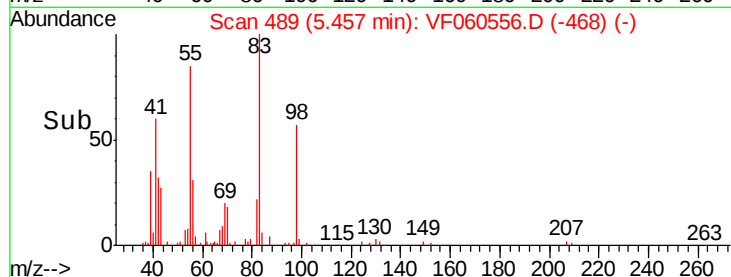
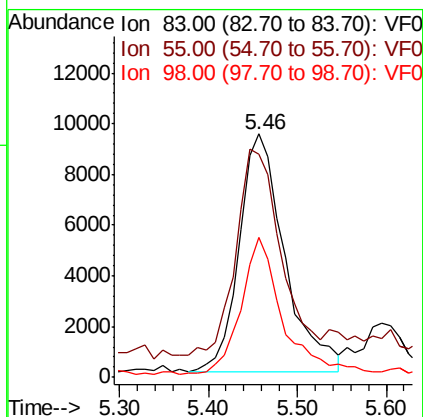
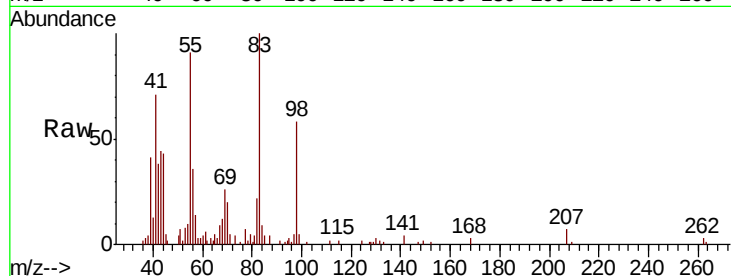




#39
Methylcyclohexane
Concen: 5.891 ug/l
RT: 5.46 min Scan# 489
Delta R.T. 0.01 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

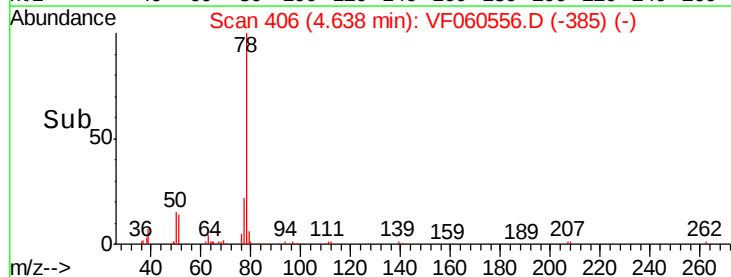
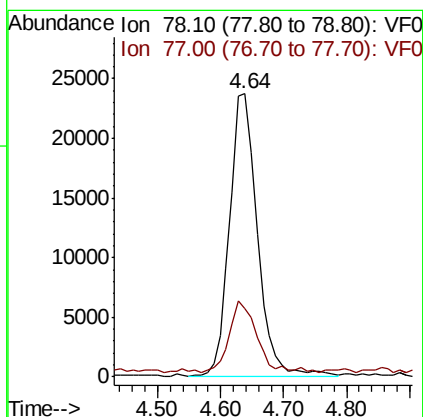
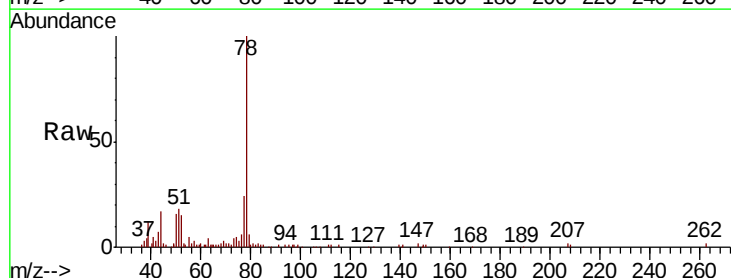
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

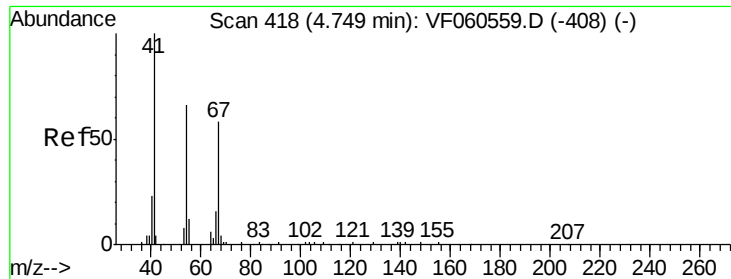
Tgt Ion: 83 Resp: 33530
Ion Ratio Lower Upper
83 100
55 91.4 69.1 103.7
98 57.7 38.6 57.8



#40
Benzene
Concen: 6.593 ug/l
RT: 4.64 min Scan# 406
Delta R.T. 0.01 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

Tgt Ion: 78 Resp: 73102
Ion Ratio Lower Upper
78 100
77 24.1 19.3 28.9

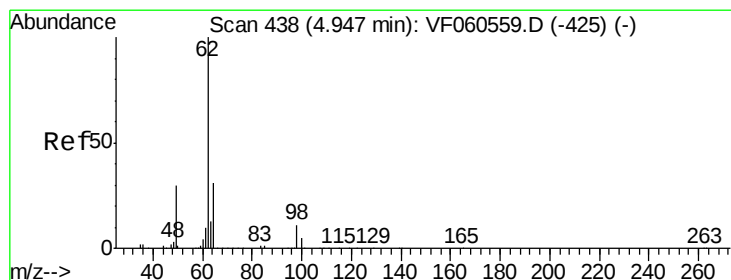
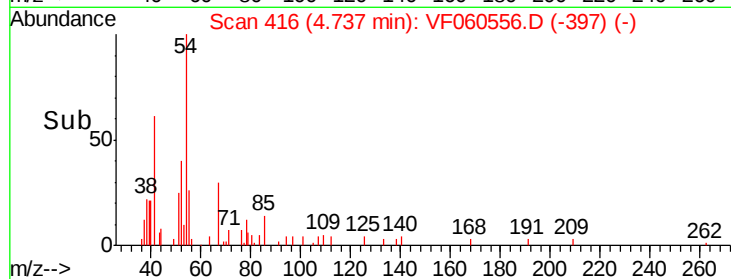
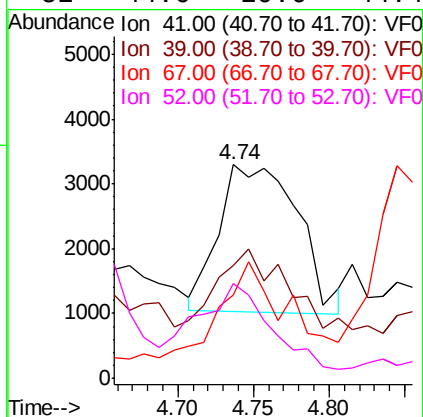
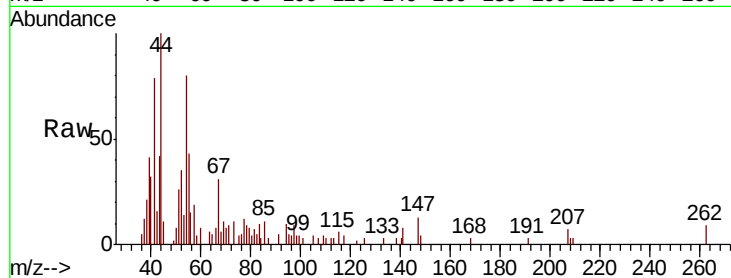




#41
Methacrylonitrile
Concen: 7.837 ug/l
RT: 4.74 min Scan# 416
Delta R.T. -0.01 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

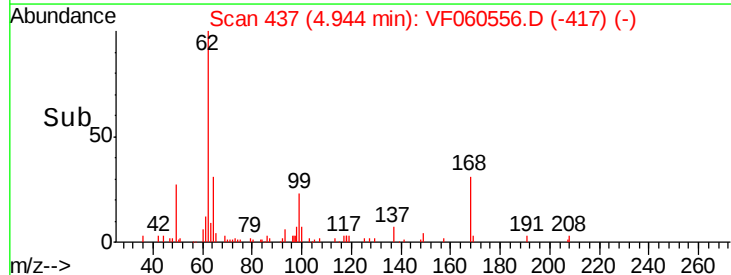
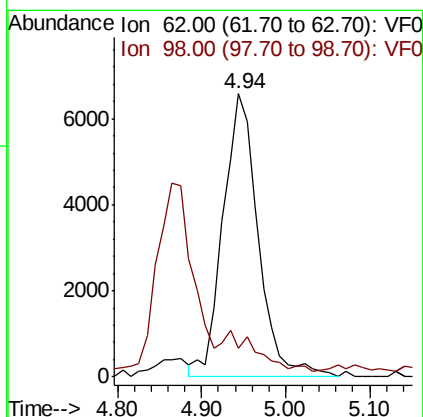
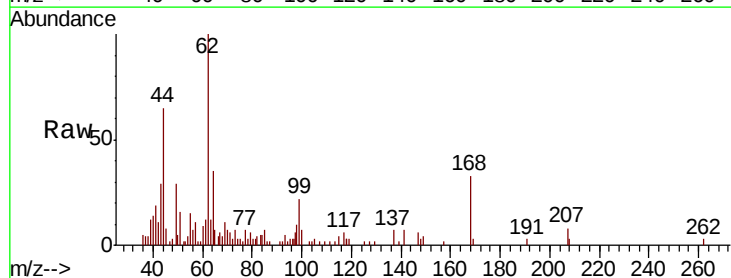
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

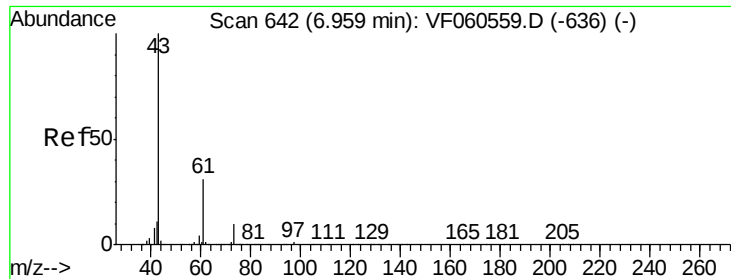
Tgt Ion:	41	Resp:	8314
Ion	Ratio	Lower	Upper
41	100		
39	52.6	45.6	68.4
67	39.2	45.3	67.9#
52	44.6	29.6	44.4#



#42
1,2-Dichloroethane
Concen: 4.012 ug/l
RT: 4.94 min Scan# 437
Delta R.T. -0.00 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

Tgt Ion:	62	Resp:	19175
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	22.4





#43

Isopropyl Acetate

Concen: 8.009 ug/l

RT: 6.97 min Scan# 642

Delta R.T. 0.01 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

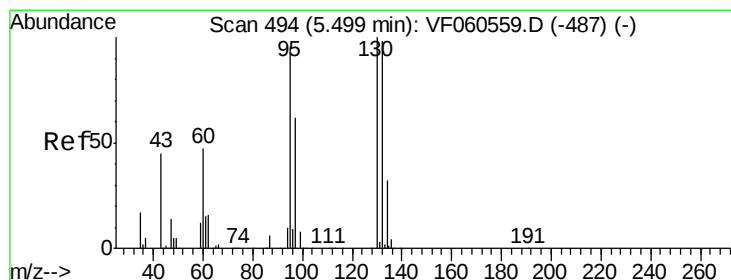
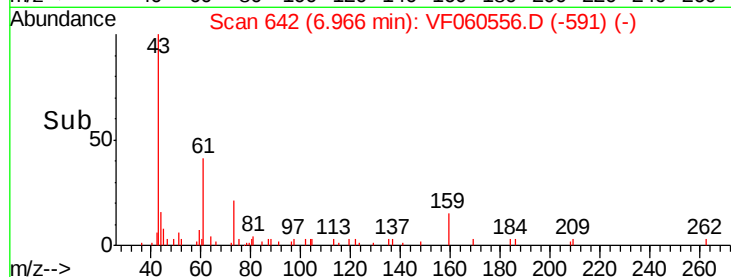
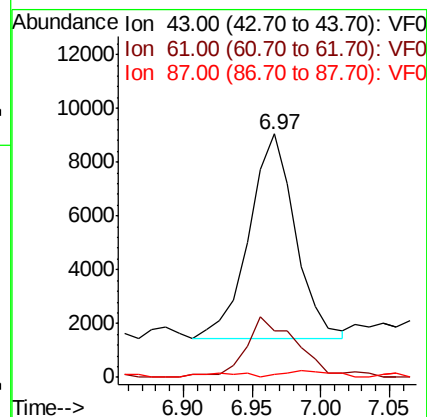
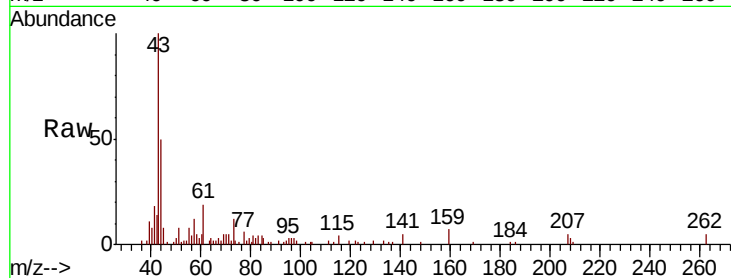
Tgt Ion: 43 Resp: 17700

Ion Ratio Lower Upper

43 100

61 18.9 24.2 36.2#

87 1.4 0.2 0.4#



#44

Trichloroethene

Concen: 5.591 ug/l

RT: 5.51 min Scan# 494

Delta R.T. 0.01 min

Lab File: VF060556.D

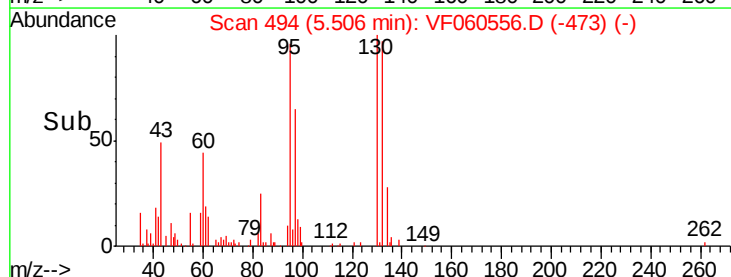
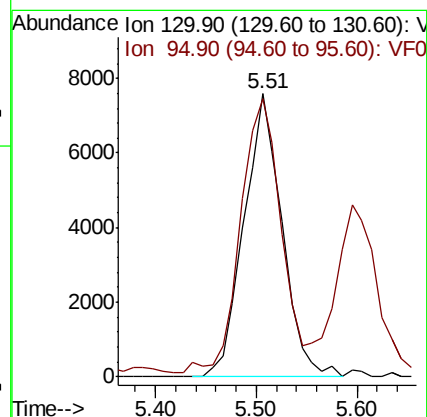
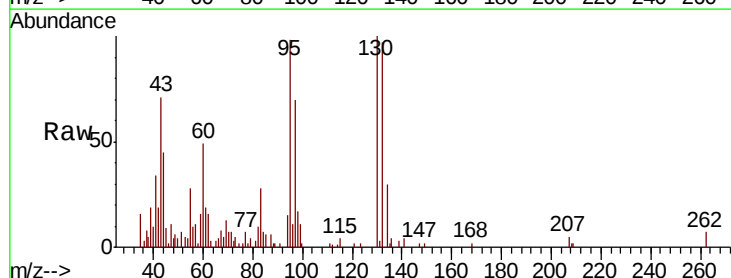
Acq: 2 Nov 2018 10:54

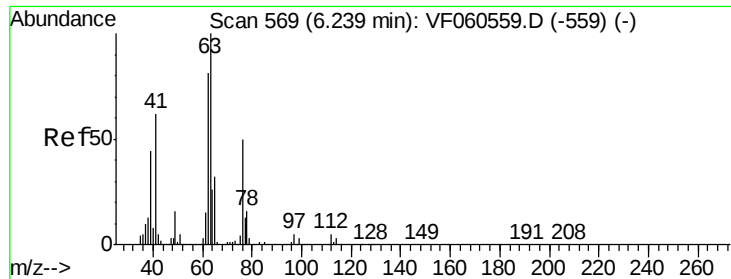
Tgt Ion: 130 Resp: 19923

Ion Ratio Lower Upper

130 100

95 98.3 0.0 191.0





#45

1,2-Dichloropropane

Concen: 6.355 ug/l

RT: 6.25 min Scan# 569

Delta R.T. 0.01 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

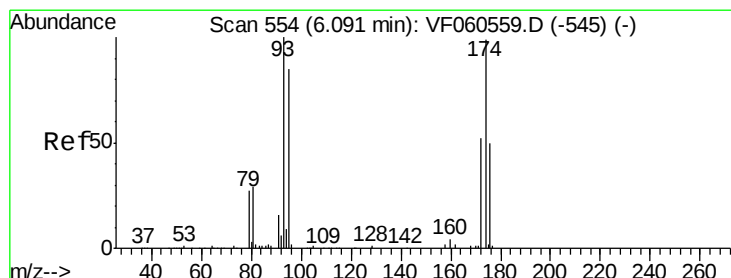
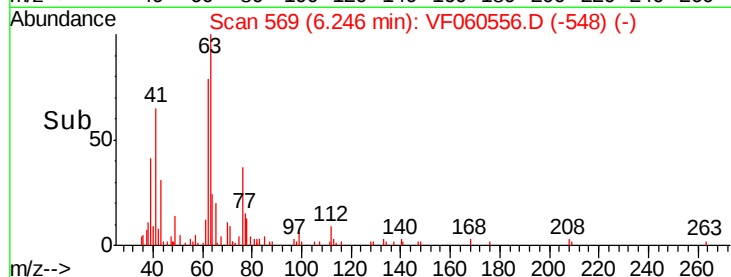
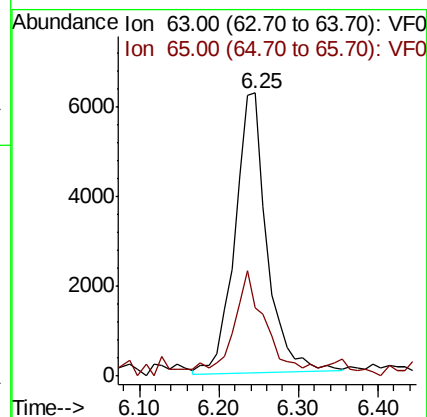
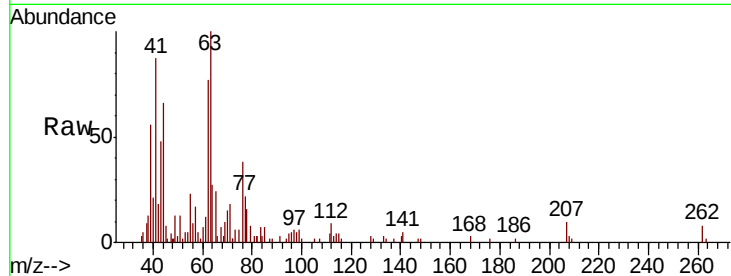
VSTDIC005

Tgt Ion: 63 Resp: 17601

Ion Ratio Lower Upper

63 100

65 24.2 25.4 38.0#



#46

Dibromomethane

Concen: 5.388 ug/l

RT: 6.09 min Scan# 553

Delta R.T. -0.00 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

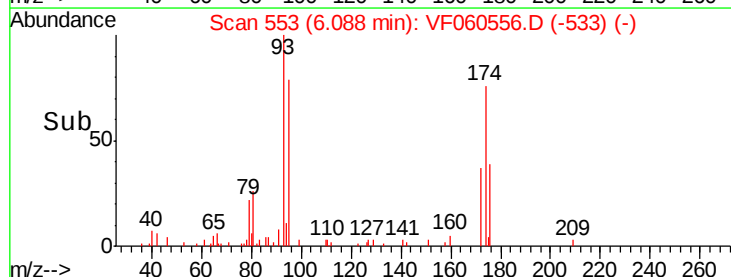
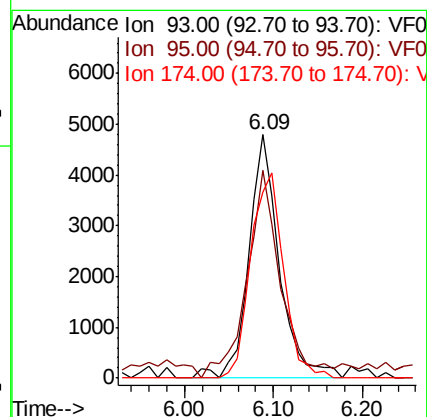
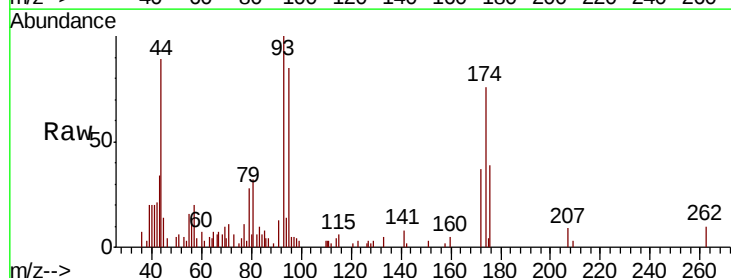
Tgt Ion: 93 Resp: 11258

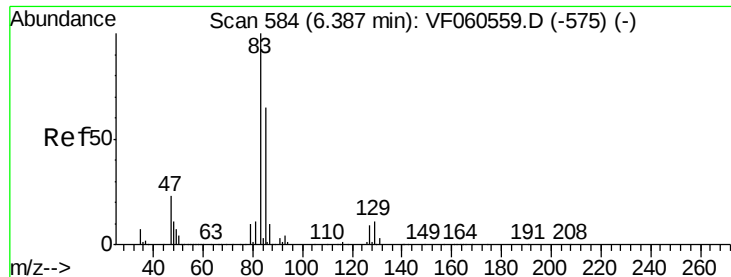
Ion Ratio Lower Upper

93 100

95 85.3 68.6 102.8

174 76.4 79.0 118.4#





#47

Bromodichloromethane

Concen: 4.984 ug/l

RT: 6.38 min Scan# 583

Delta R.T. -0.00 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

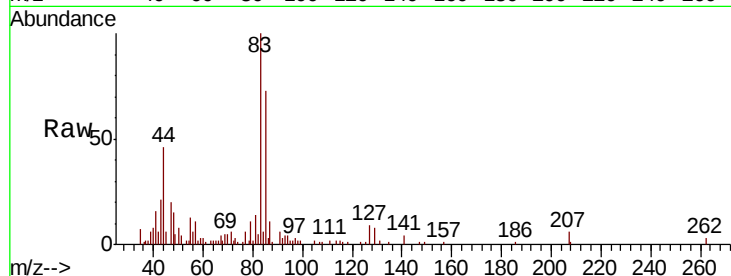
Tgt Ion: 83 Resp: 26386

Ion Ratio Lower Upper

83 100

85 72.7 51.8 77.6

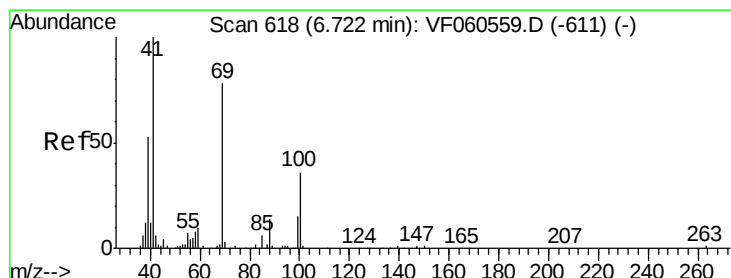
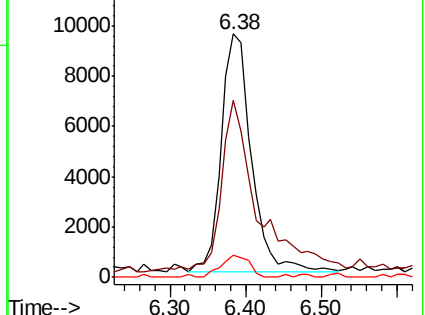
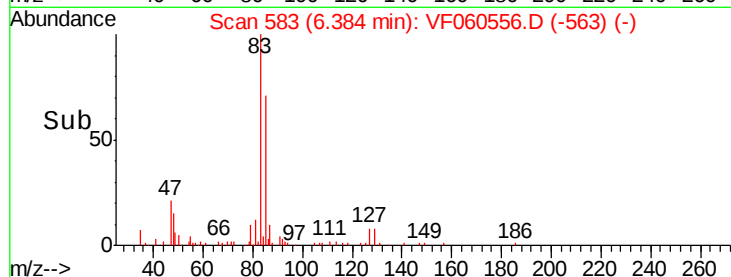
127 9.1 7.0 10.4



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: 8.076 ug/l

RT: 6.72 min Scan# 617

Delta R.T. -0.00 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

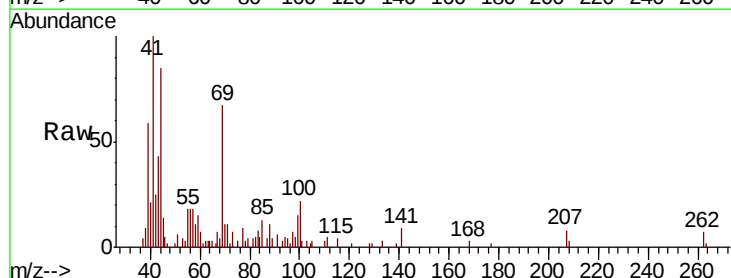
Tgt Ion: 41 Resp: 12063

Ion Ratio Lower Upper

41 100

69 66.6 61.1 91.7

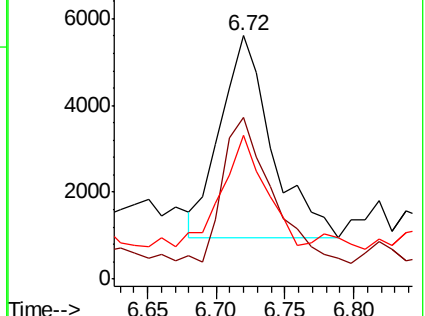
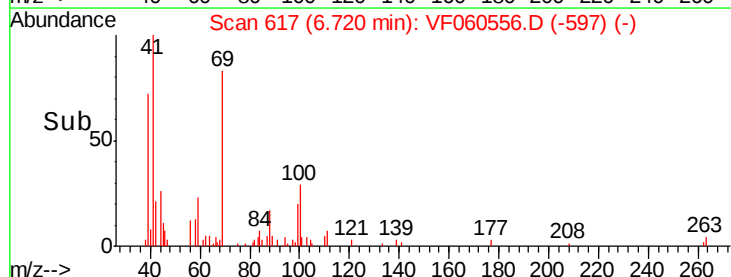
39 58.9 43.0 64.6

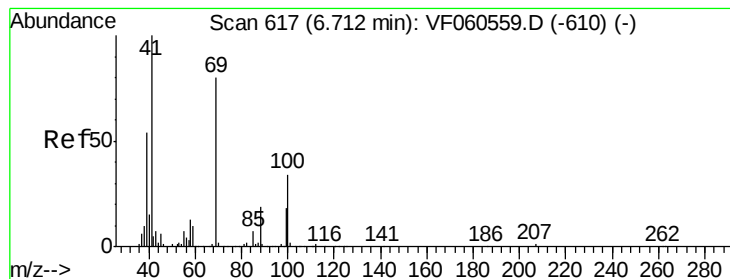


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 139.159 ug/l

RT: 6.71 min Scan# 616

Delta R.T. -0.00 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

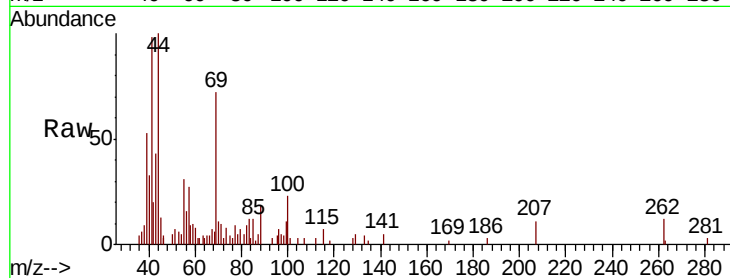
Tgt Ion: 88 Resp: 2028

Ion Ratio Lower Upper

88 100

43 237.3 61.2 91.8#

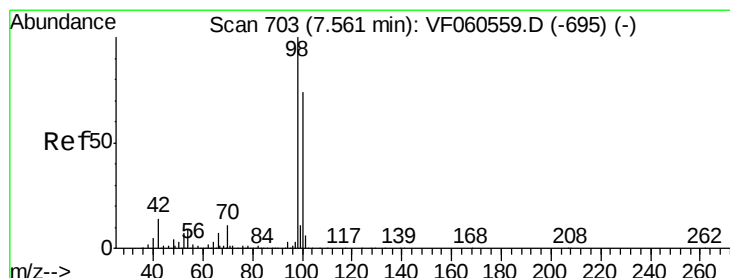
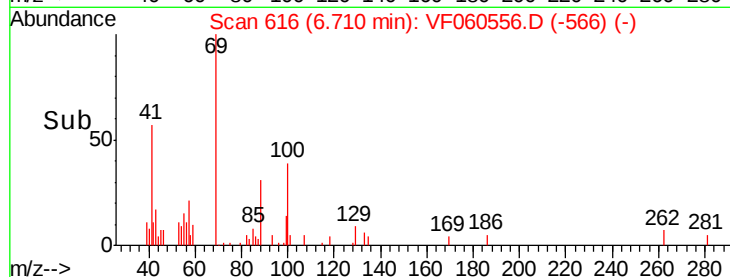
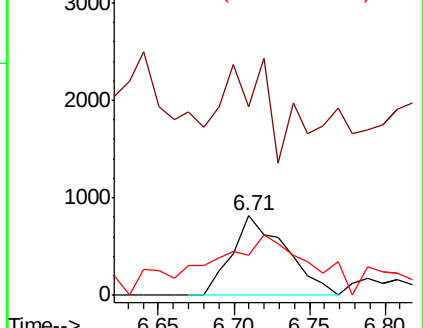
58 50.7 56.9 85.3#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 5.627 ug/l

RT: 7.56 min Scan# 702

Delta R.T. -0.00 min

Lab File: VF060556.D

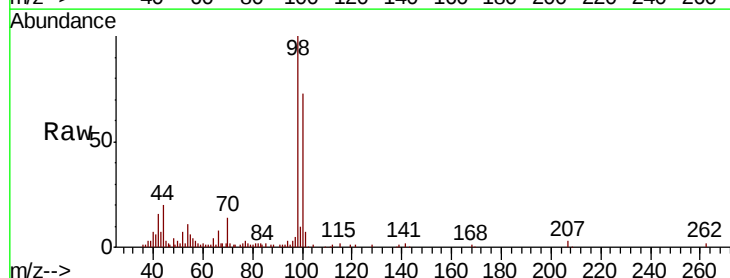
Acq: 2 Nov 2018 10:54

Tgt Ion: 98 Resp: 57671

Ion Ratio Lower Upper

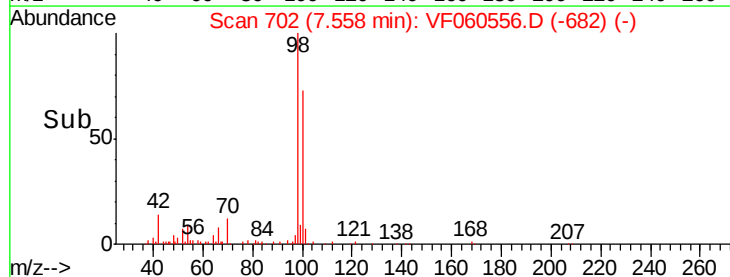
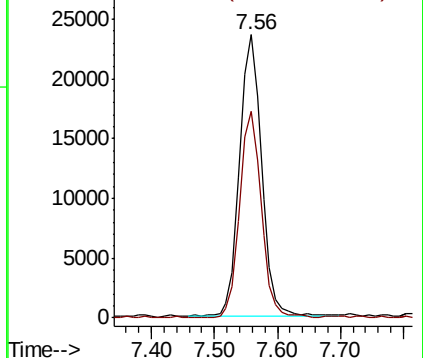
98 100

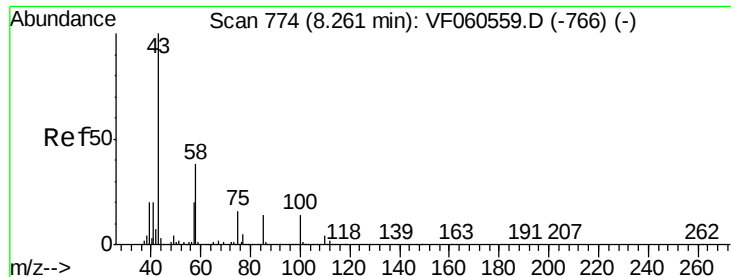
100 73.2 59.4 89.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 41.740 ug/l

RT: 8.26 min Scan# 773

Delta R.T. -0.00 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

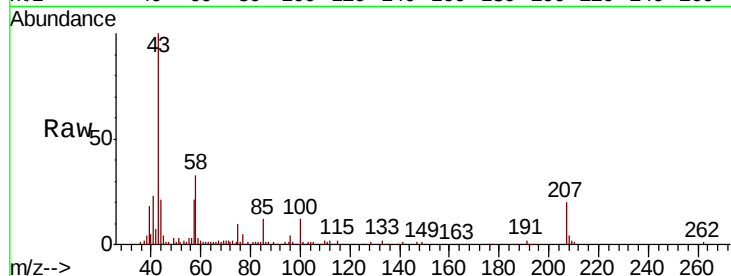
VSTDIC005

Tgt Ion: 43 Resp: 66493

Ion Ratio Lower Upper

43 100

58 33.1 30.1 45.1



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.26

30000

25000

20000

15000

10000

5000

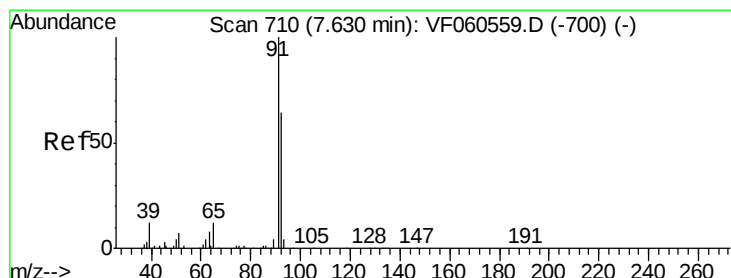
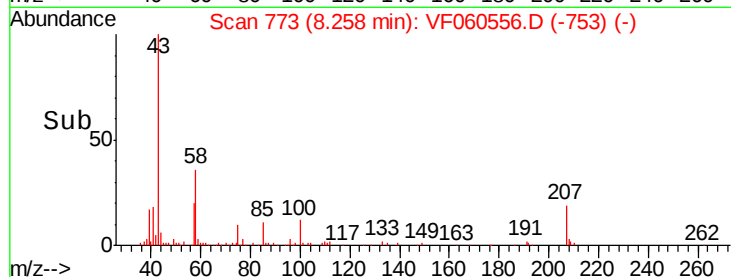
0

Time-->

8.10

8.20

8.30



#52

Toluene

Concen: 6.877 ug/l

RT: 7.63 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF060556.D

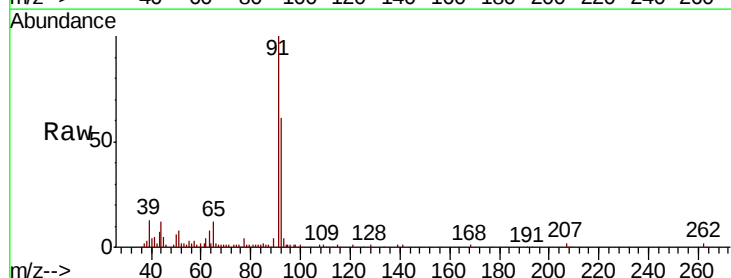
Acq: 2 Nov 2018 10:54

Tgt Ion: 92 Resp: 48931

Ion Ratio Lower Upper

92 100

91 163.8 124.5 186.7



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

40000

30000

20000

10000

0

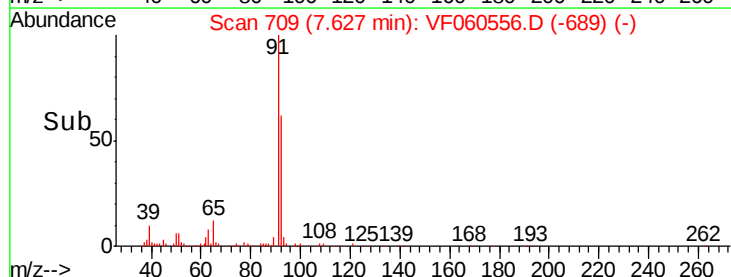
Time-->

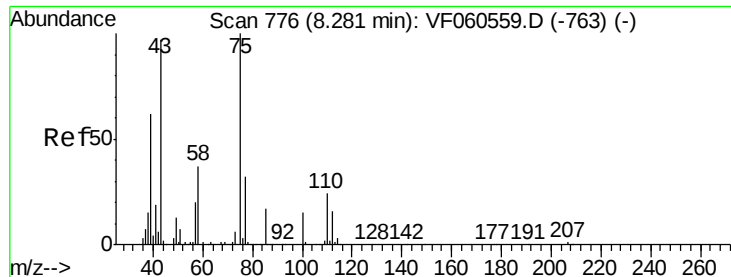
7.50

7.60

7.70

7.80





#53

t-1,3-Dichloropropene

Concen: 5.173 ug/l

RT: 8.28 min Scan# 775

Delta R.T. -0.00 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

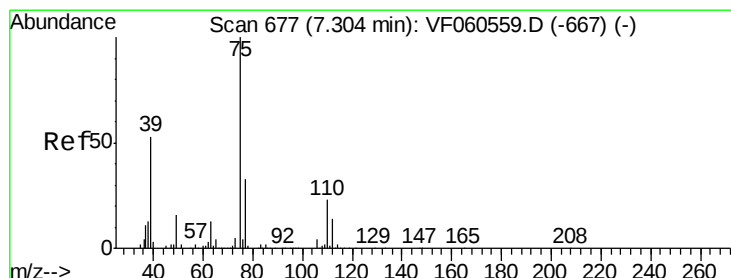
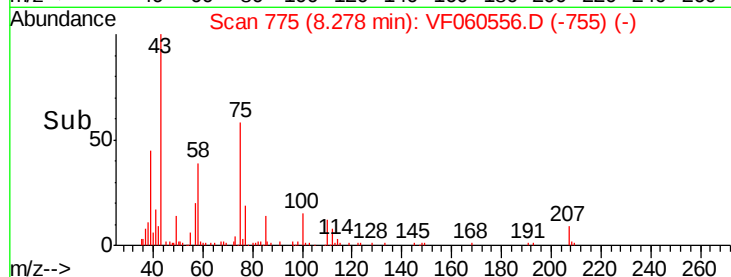
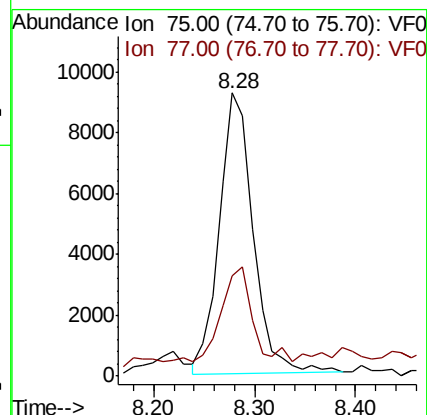
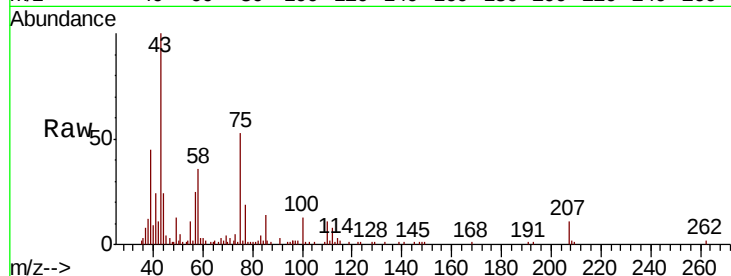
VSTDIC005

Tgt Ion: 75 Resp: 21555

Ion Ratio Lower Upper

75 100

77 35.7 25.7 38.5



#54

cis-1,3-Dichloropropene

Concen: 5.652 ug/l

RT: 7.30 min Scan# 676

Delta R.T. -0.00 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

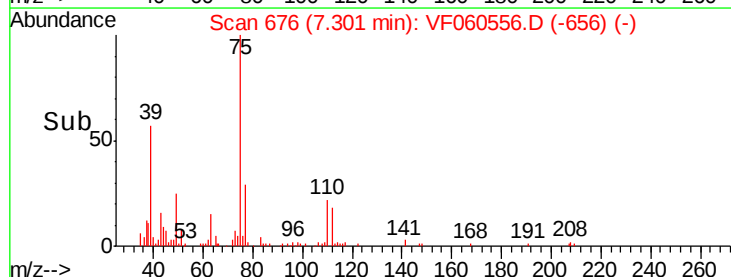
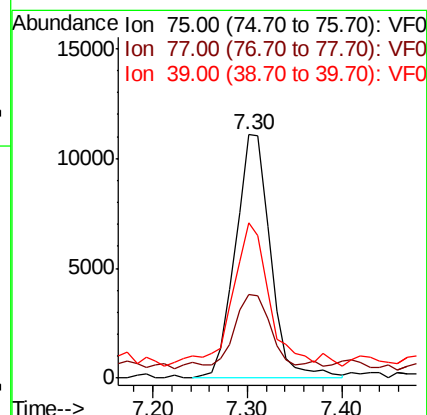
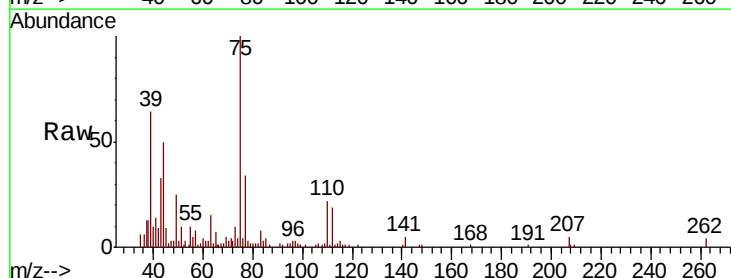
Tgt Ion: 75 Resp: 28540

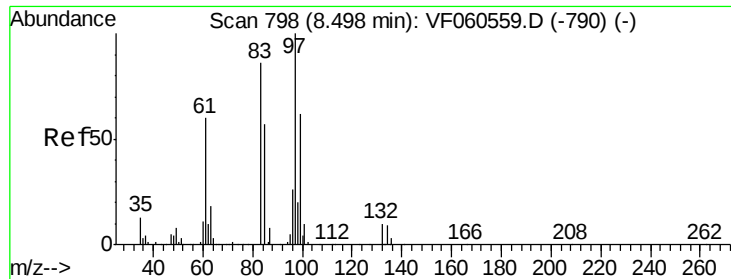
Ion Ratio Lower Upper

75 100

77 34.2 26.7 40.1

39 63.7 43.0 64.4





#55

1,1,2-Trichloroethane

Concen: 5.976 ug/l

RT: 8.50 min Scan# 797

Delta R.T. -0.00 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

Tgt Ion: 97 Resp: 12466

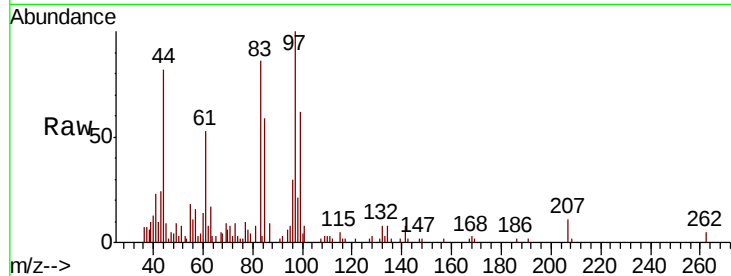
Ion Ratio Lower Upper

97 100

83 85.6 69.4 104.0

85 59.3 46.6 69.8

99 61.7 50.0 75.0

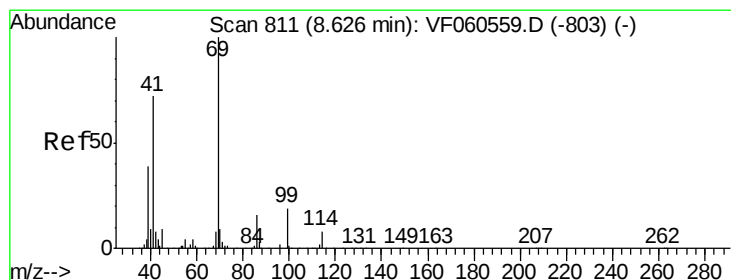
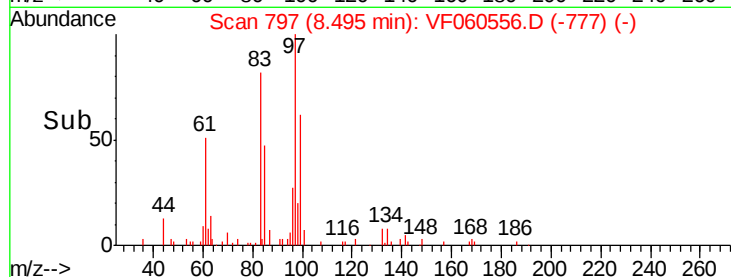
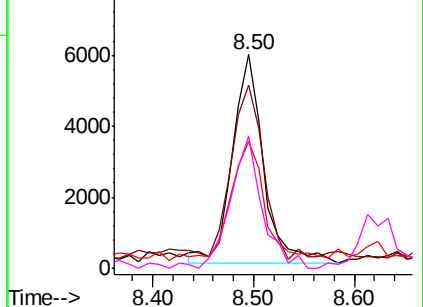


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 7.039 ug/l

RT: 8.63 min Scan# 811

Delta R.T. 0.01 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

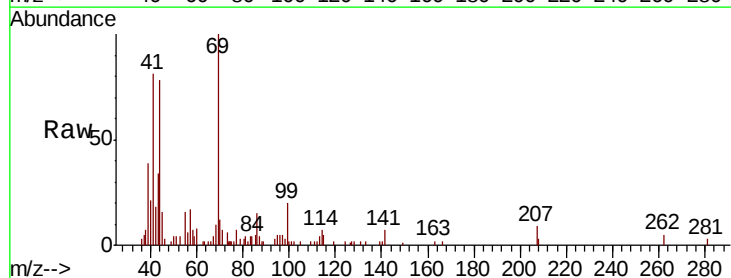
Tgt Ion: 69 Resp: 16626

Ion Ratio Lower Upper

69 100

41 80.8 59.2 88.8

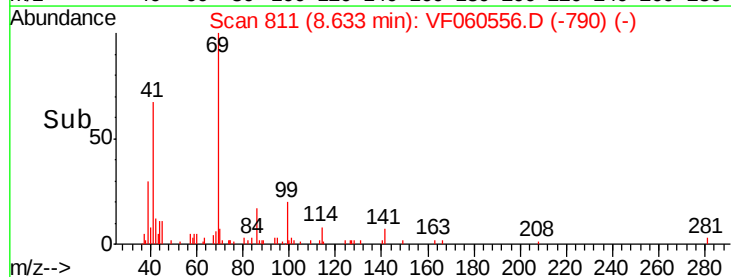
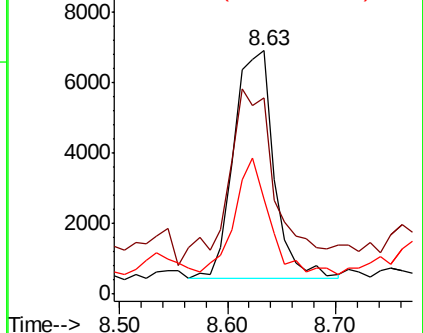
39 39.0 32.3 48.5

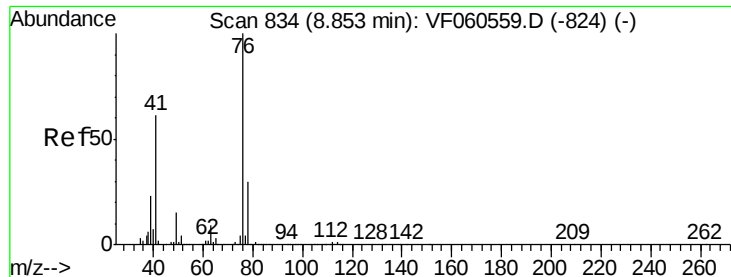


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 5.983 ug/l

RT: 8.85 min Scan# 833

Delta R.T. -0.00 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

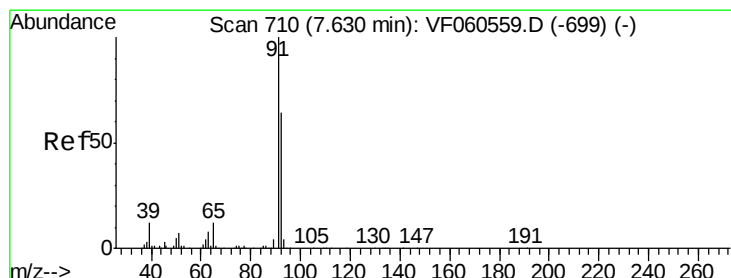
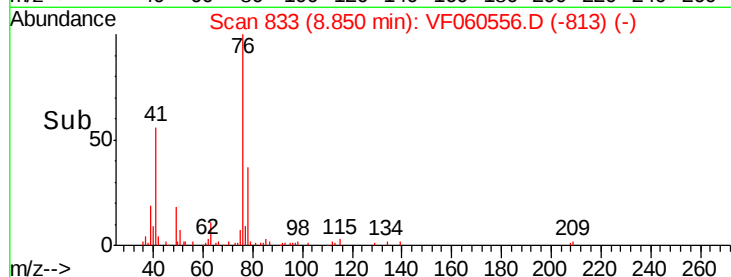
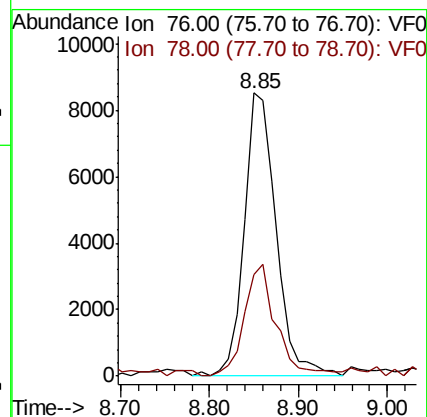
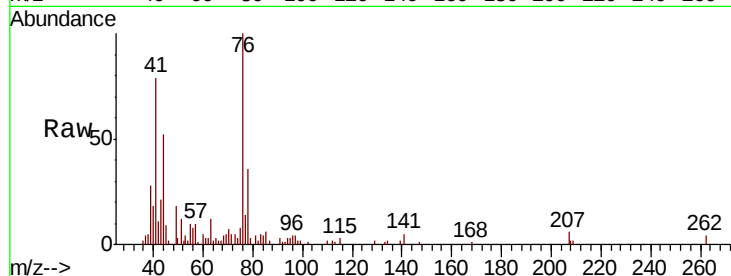
VSTDIC005

Tgt Ion: 76 Resp: 21139

Ion Ratio Lower Upper

76 100

78 35.9 24.2 36.4



#58

2-Chloroethyl Vinyl ether

Concen: 28.562 ug/l

RT: 7.63 min Scan# 709

Delta R.T. -0.00 min

Lab File: VF060556.D

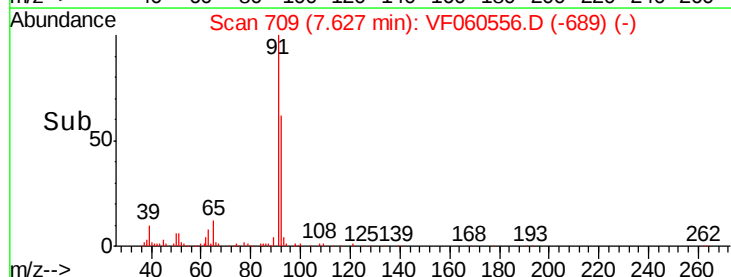
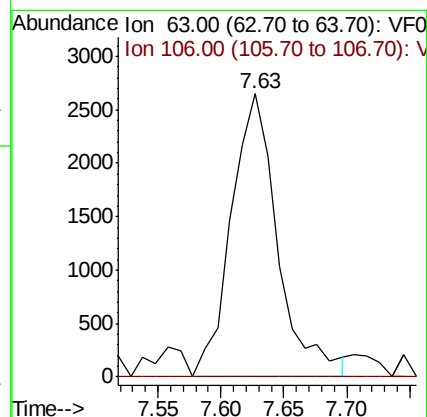
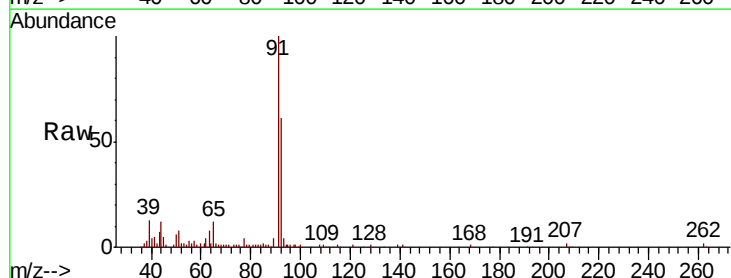
Acq: 2 Nov 2018 10:54

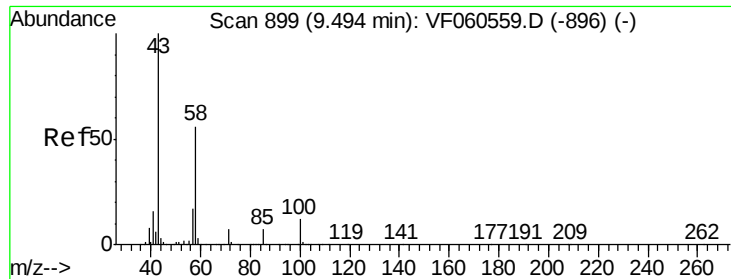
Tgt Ion: 63 Resp: 6779

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

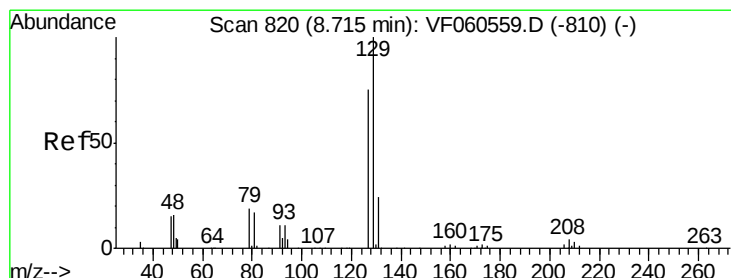
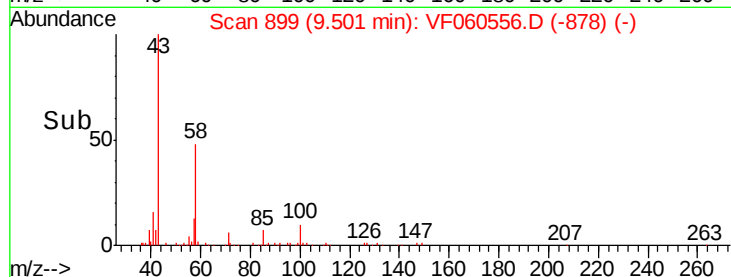
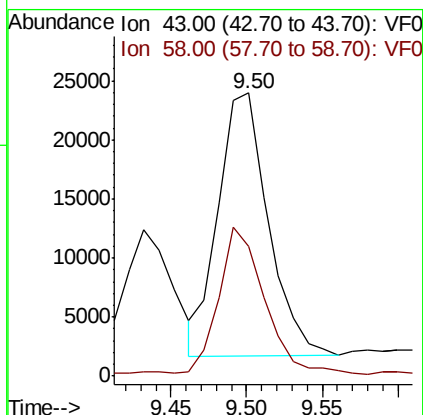
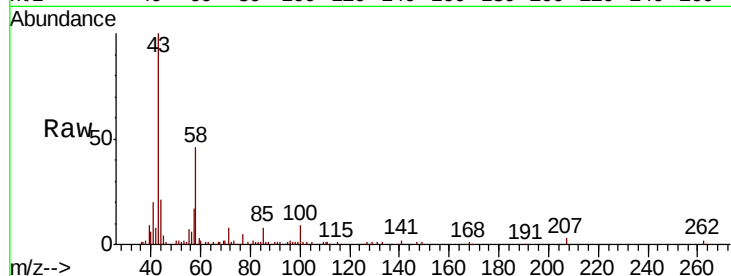




#59
2-Hexanone
Concen: 44.544 ug/l
RT: 9.50 min Scan# 899
Delta R.T. 0.01 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

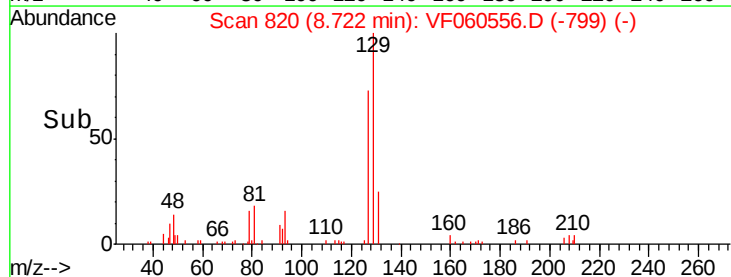
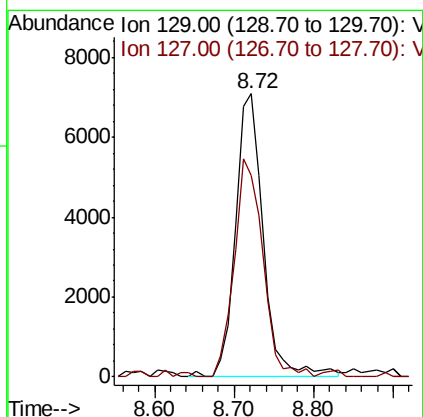
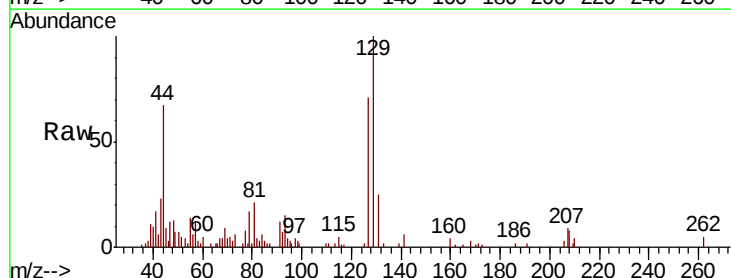
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

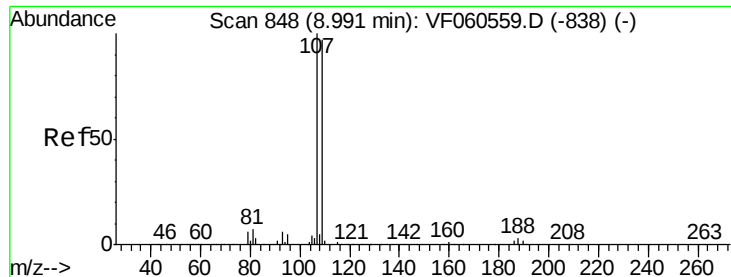
Tgt Ion: 43 Resp: 51398
Ion Ratio Lower Upper
43 100
58 45.6 26.1 78.3



#60
Dibromochloromethane
Concen: 5.179 ug/l
RT: 8.72 min Scan# 820
Delta R.T. 0.01 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

Tgt Ion: 129 Resp: 17187
Ion Ratio Lower Upper
129 100
127 71.1 37.8 113.3





#61

1,2-Dibromoethane

Concen: 5.867 ug/l

RT: 8.99 min Scan# 847

Delta R.T. -0.00 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

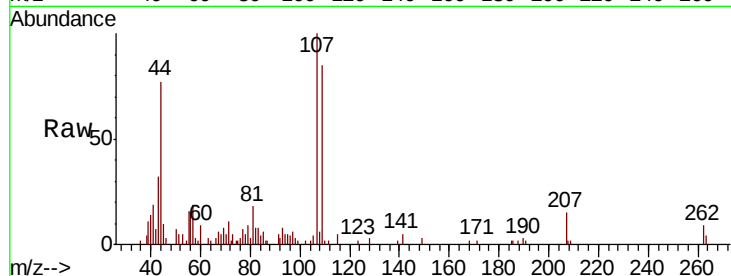
VSTDIC005

Tgt Ion: 107 Resp: 14107

Ion Ratio Lower Upper

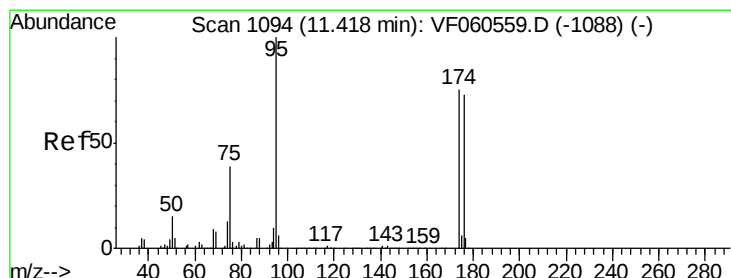
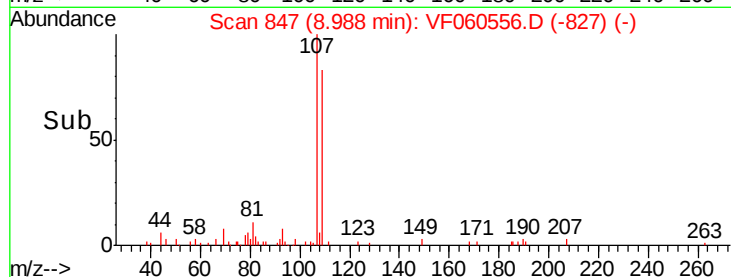
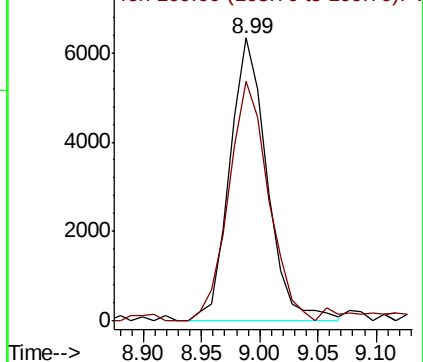
107 100

109 84.9 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: 5.861 ug/l

RT: 11.41 min Scan# 1093

Delta R.T. -0.00 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

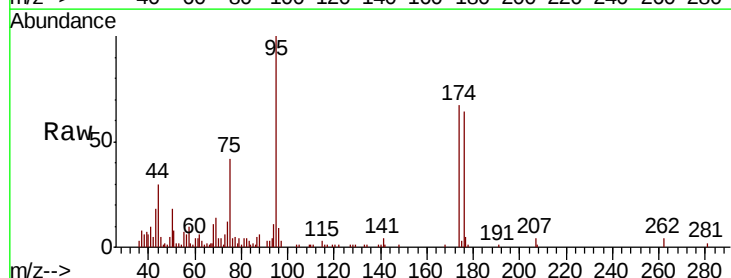
Tgt Ion: 95 Resp: 27462

Ion Ratio Lower Upper

95 100

174 67.3 0.0 149.0

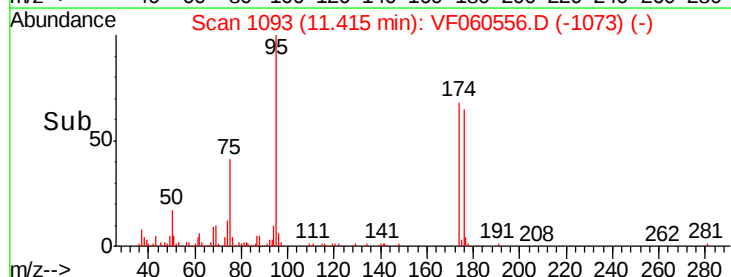
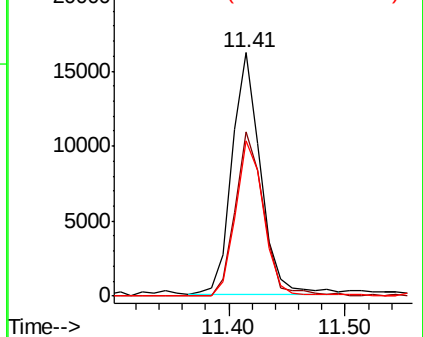
176 64.0 0.0 145.6

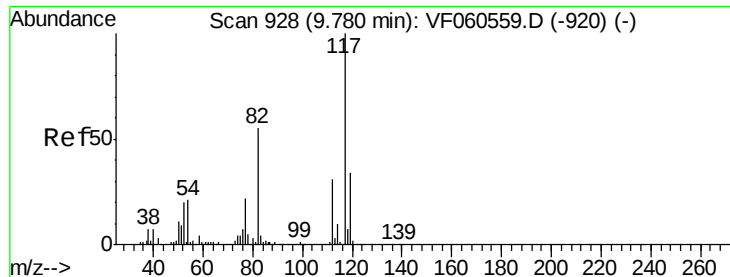


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

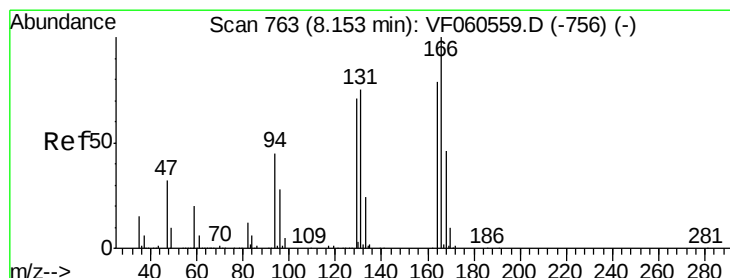
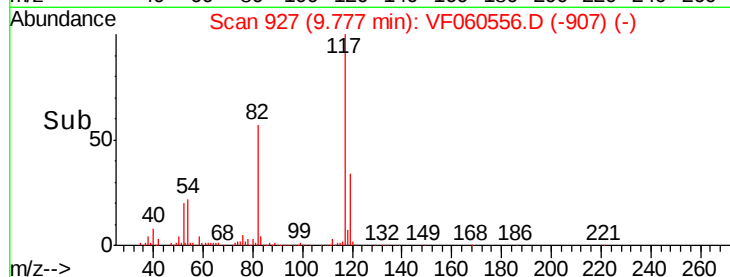
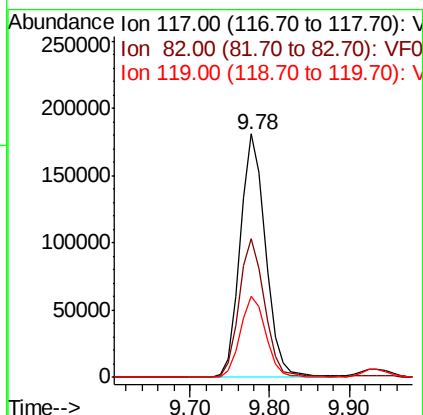
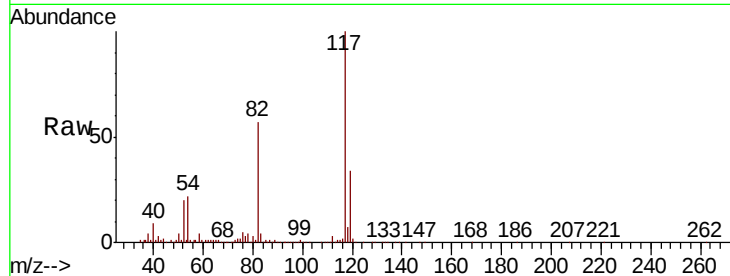




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.78 min Scan# 927
Delta R.T. -0.00 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

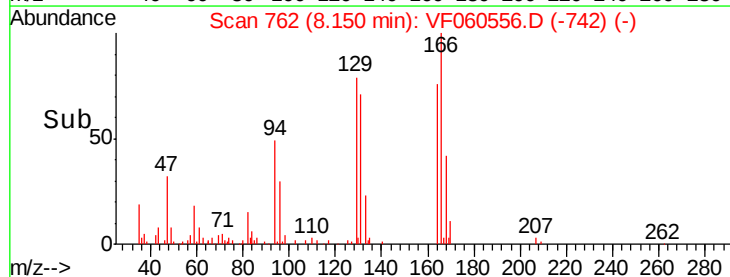
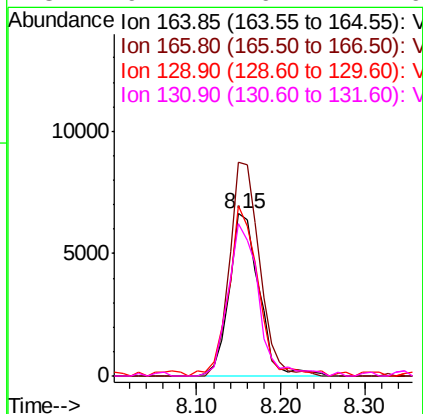
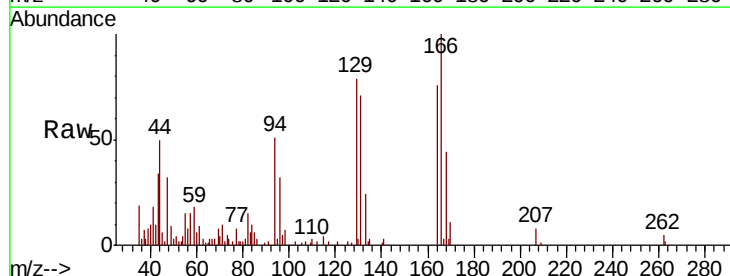
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

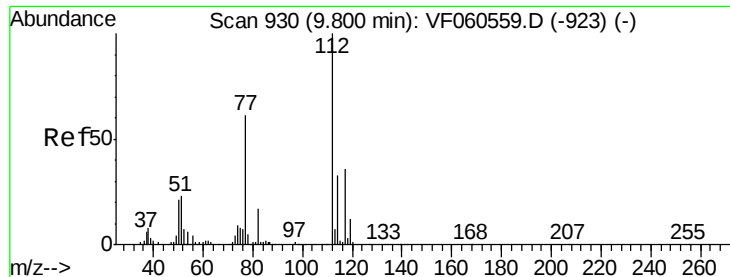
Tgt Ion:117 Resp: 400934
Ion Ratio Lower Upper
117 100
82 56.8 43.9 65.9
119 33.5 27.4 41.0



#64
Tetrachloroethene
Concen: 4.924 ug/l
RT: 8.15 min Scan# 762
Delta R.T. -0.00 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

Tgt Ion:164 Resp: 16427
Ion Ratio Lower Upper
164 100
166 131.8 101.5 152.3
129 104.7 72.5 108.7
131 94.2 76.4 114.6

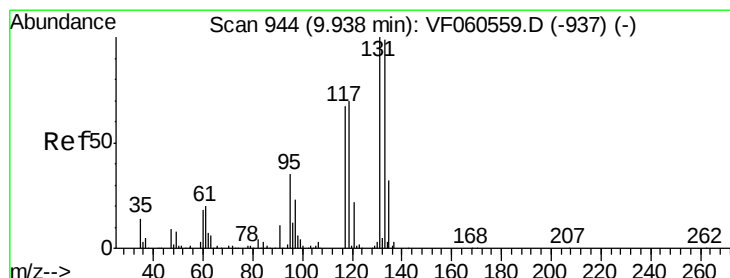
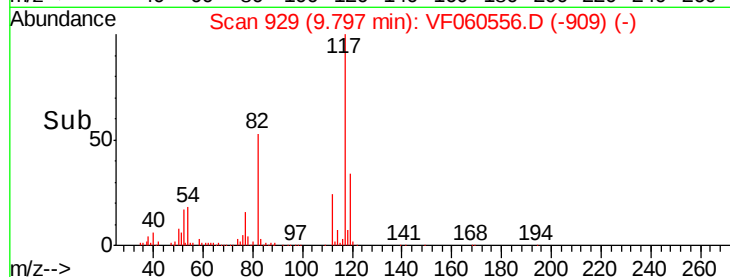
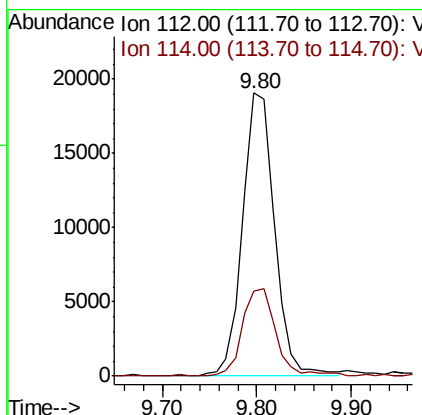
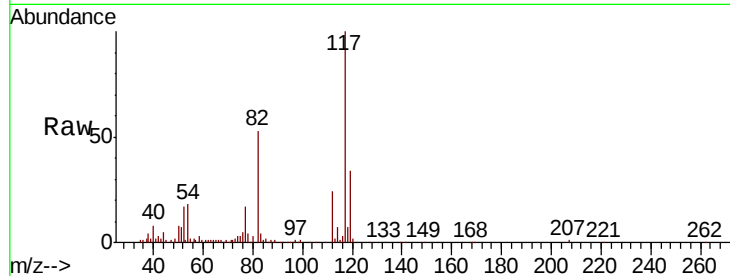




#65
Chlorobenzene
Concen: 5.605 ug/l
RT: 9.80 min Scan# 929
Delta R.T. -0.00 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

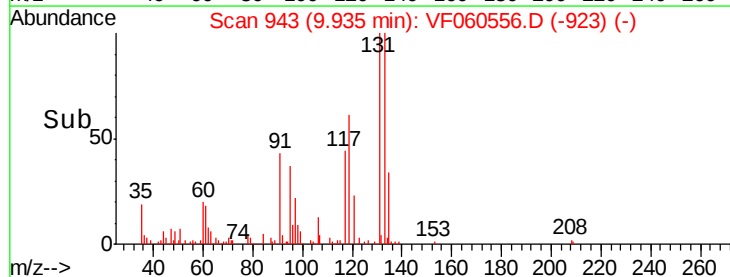
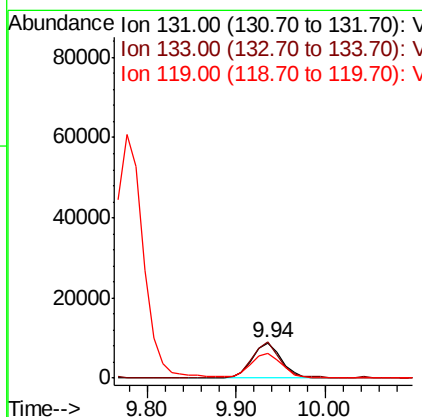
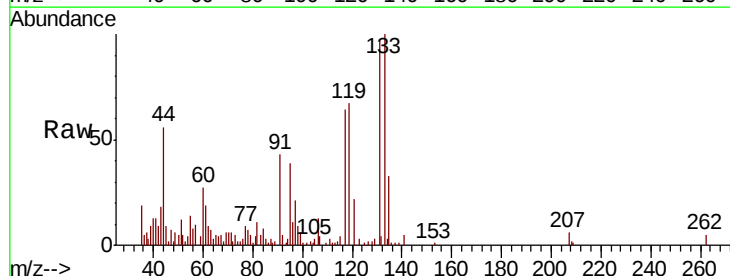
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

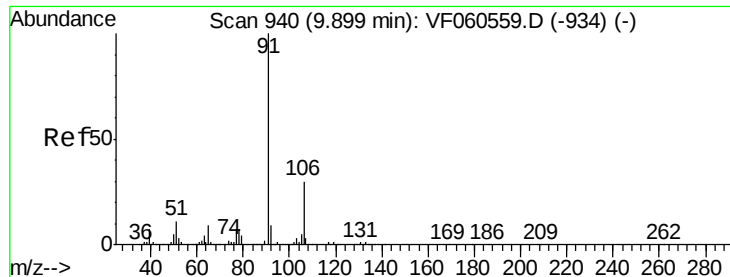
Tgt Ion:112 Resp: 44935
Ion Ratio Lower Upper
112 100
114 30.1 26.6 40.0



#66
1,1,1,2-Tetrachloroethane
Concen: 5.453 ug/l
RT: 9.94 min Scan# 943
Delta R.T. -0.00 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

Tgt Ion:131 Resp: 19865
Ion Ratio Lower Upper
131 100
133 103.4 49.5 148.7
119 68.8 35.2 105.6

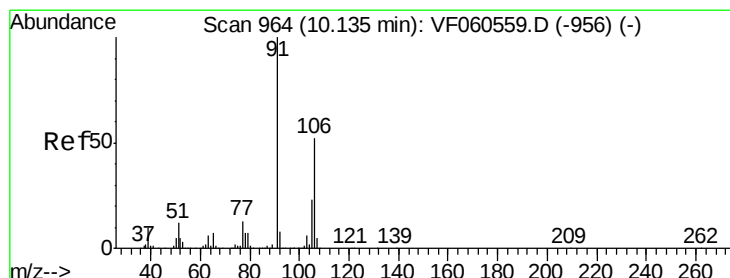
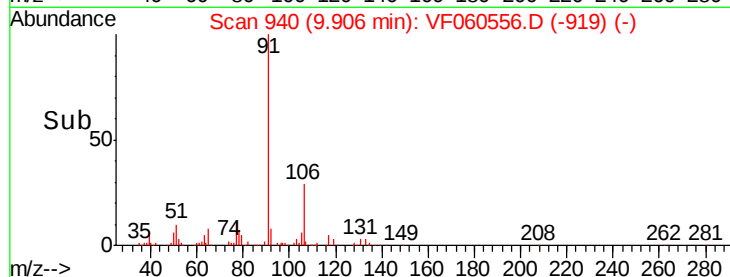
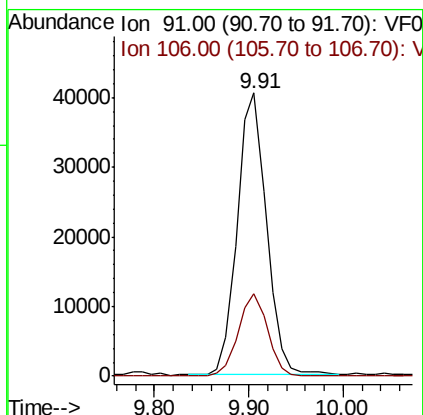
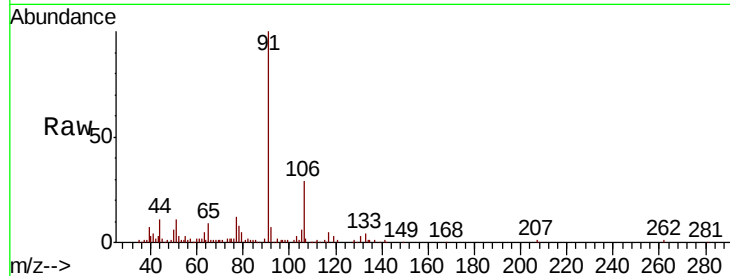




#67
Ethyl Benzene
Concen: 5.680 ug/l
RT: 9.91 min Scan# 940
Delta R.T. 0.01 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

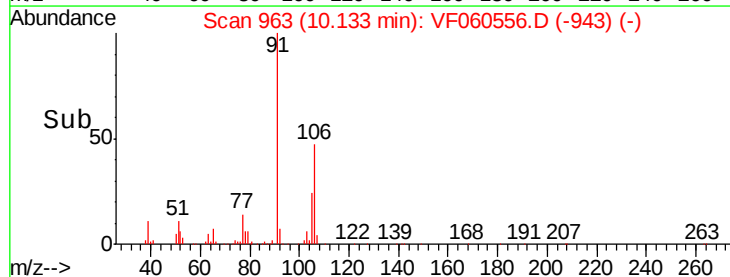
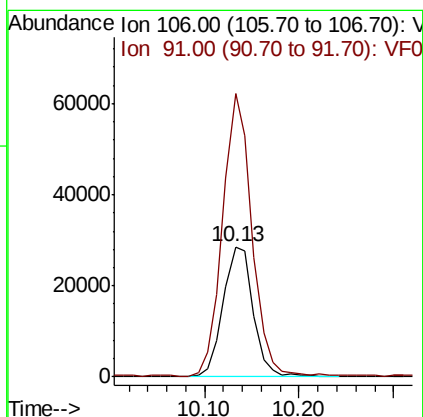
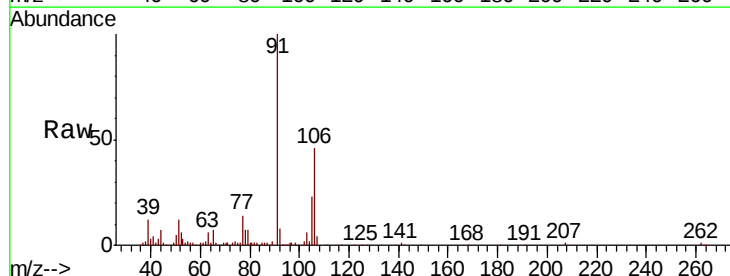
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

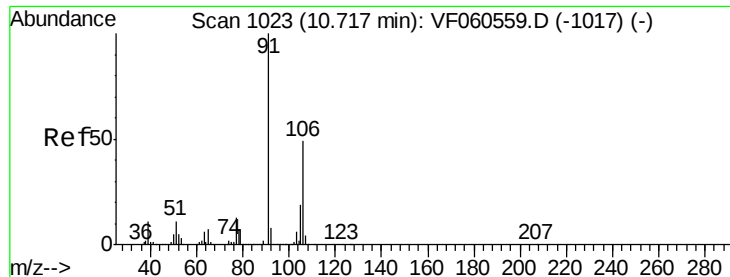
Tgt Ion: 91 Resp: 86686
Ion Ratio Lower Upper
91 100
106 29.1 24.2 36.4



#68
m/p-Xylenes
Concen: 11.982 ug/l
RT: 10.13 min Scan# 963
Delta R.T. -0.00 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

Tgt Ion: 106 Resp: 63175
Ion Ratio Lower Upper
106 100
91 217.3 153.9 230.9

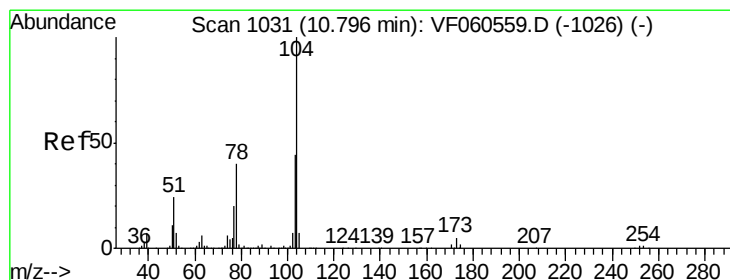
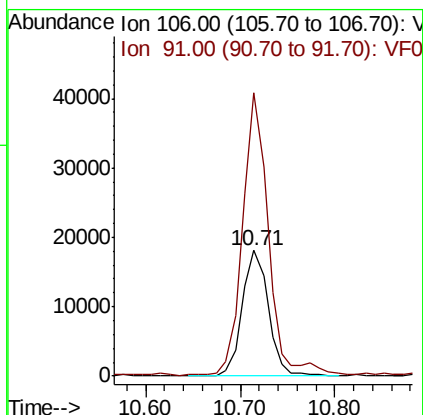
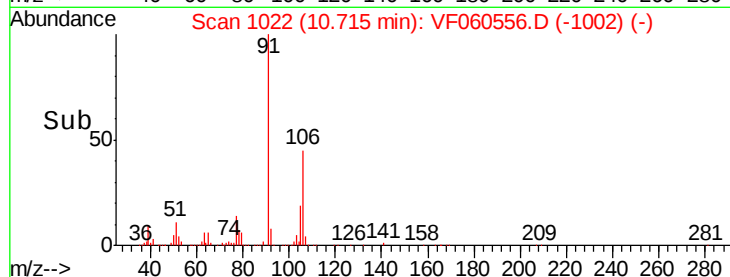
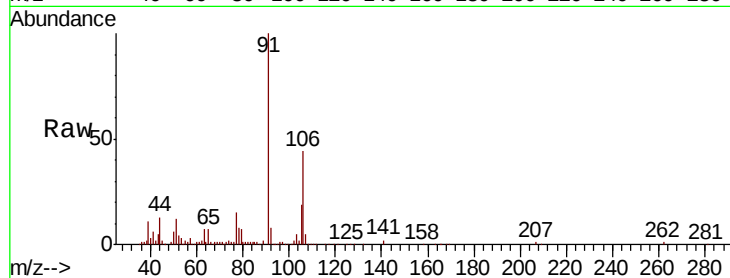




#69
o-Xylene
Concen: 5.901 ug/l
RT: 10.71 min Scan# 1022
Delta R.T. -0.00 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

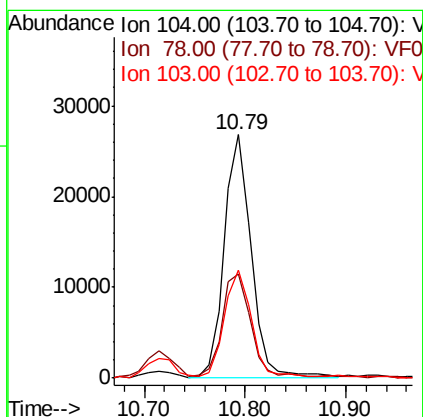
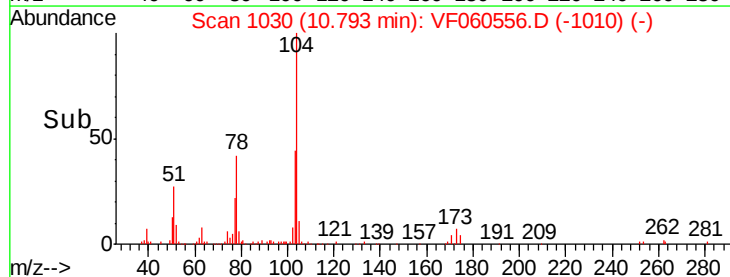
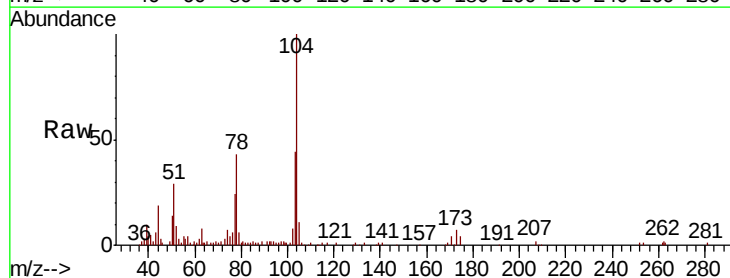
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

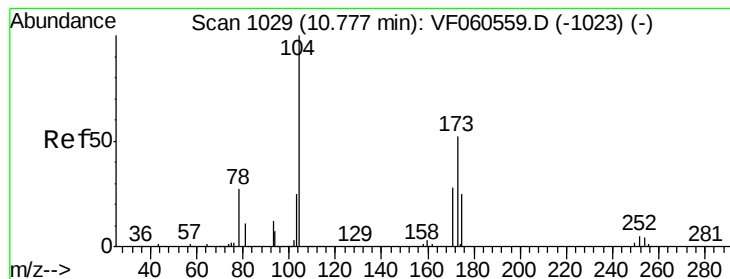
Tgt Ion:106 Resp: 34893
Ion Ratio Lower Upper
106 100
91 225.1 101.8 305.3



#70
Styrene
Concen: 6.003 ug/l
RT: 10.79 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

Tgt Ion:104 Resp: 50238
Ion Ratio Lower Upper
104 100
78 42.5 32.6 49.0
103 44.3 35.2 52.8





#71

Bromoform

Concen: 5.139 ug/l

RT: 10.77 min Scan# 1028

Delta R.T. -0.00 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

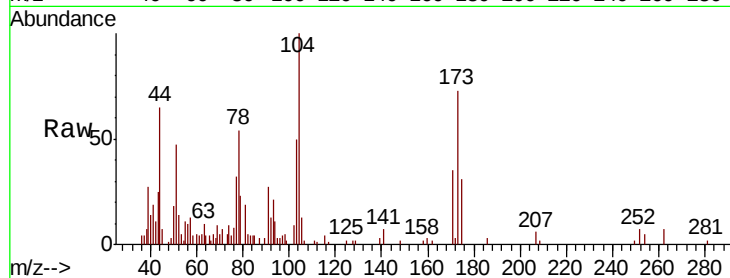
Tgt Ion:173 Resp: 9533

Ion Ratio Lower Upper

173 100

175 42.4 24.3 72.9

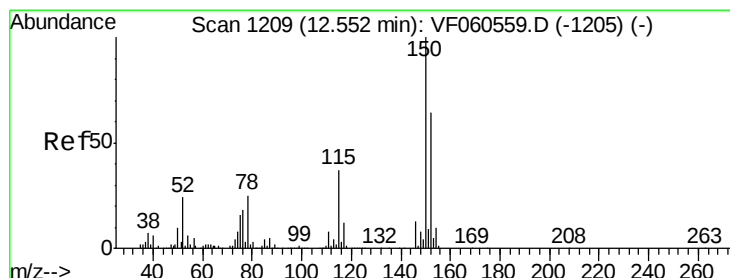
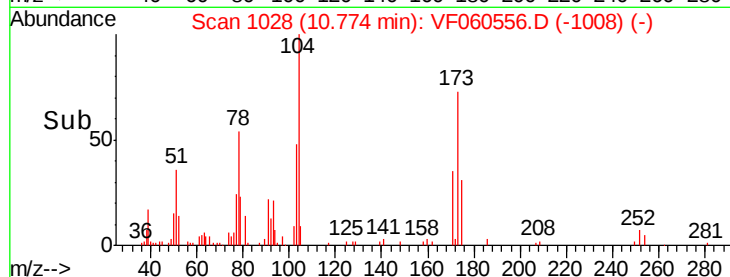
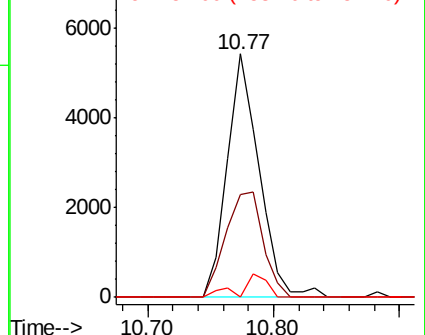
254 0.0 6.7 10.1#



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: 12.56 min Scan# 1209

Delta R.T. 0.01 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

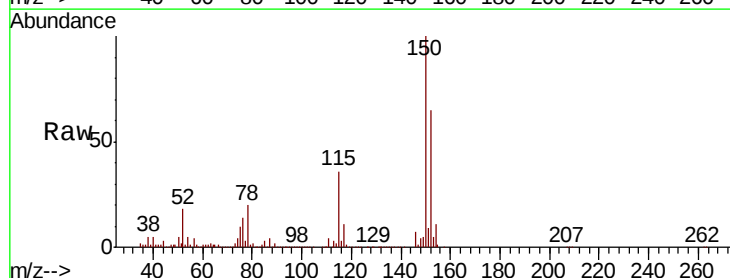
Tgt Ion:152 Resp: 212129

Ion Ratio Lower Upper

152 100

115 54.9 29.6 88.8

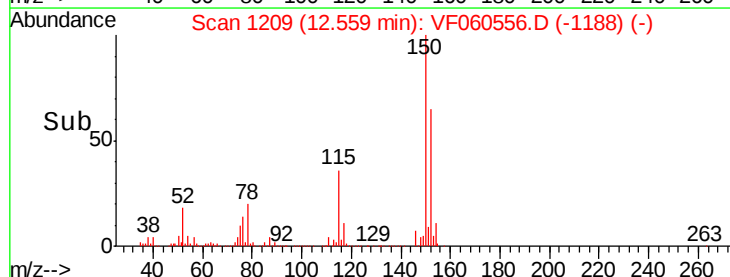
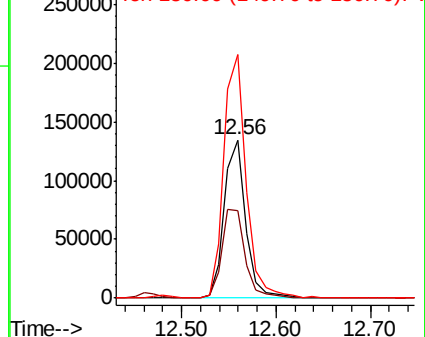
150 153.7 0.0 315.6

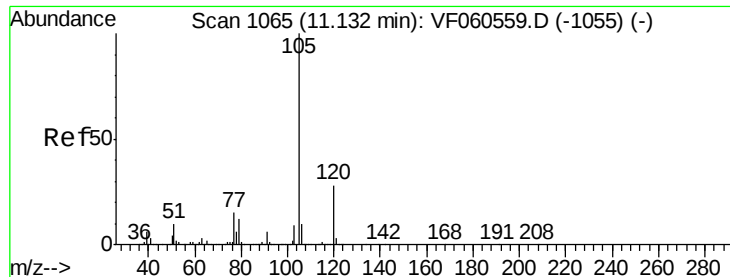


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 6.315 ug/l

RT: 11.13 min Scan# 1064

Delta R.T. -0.00 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

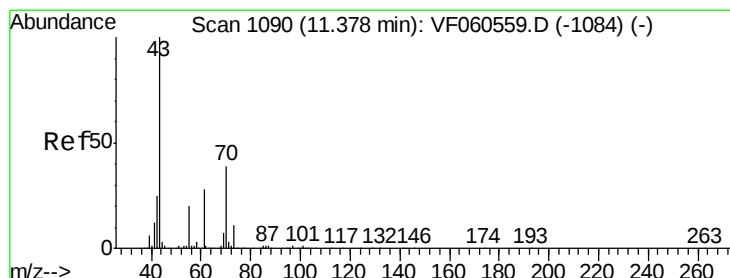
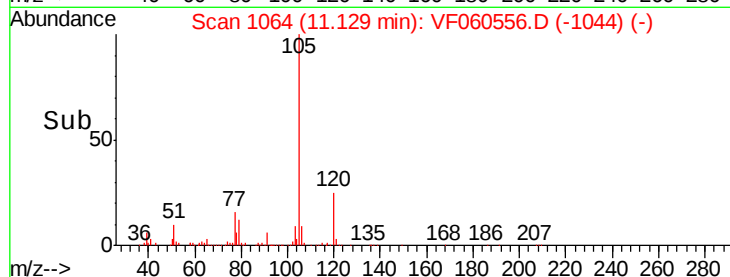
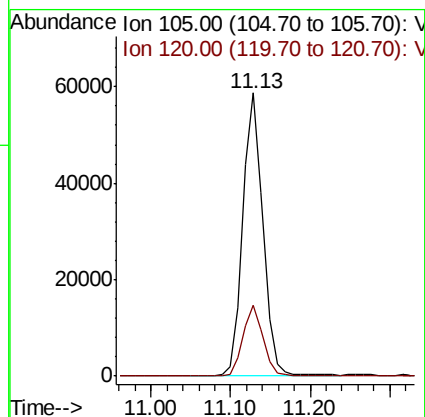
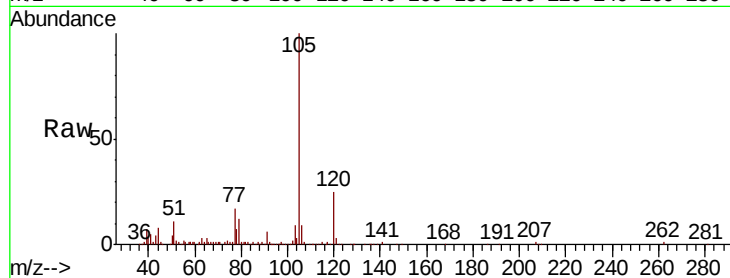
VSTDIC005

Tgt Ion:105 Resp: 103614

Ion Ratio Lower Upper

105 100

120 25.1 13.9 41.6



#74

N-ethyl acetate

Concen: 9.715 ug/l

RT: 11.38 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Tgt Ion: 43 Resp: 33391

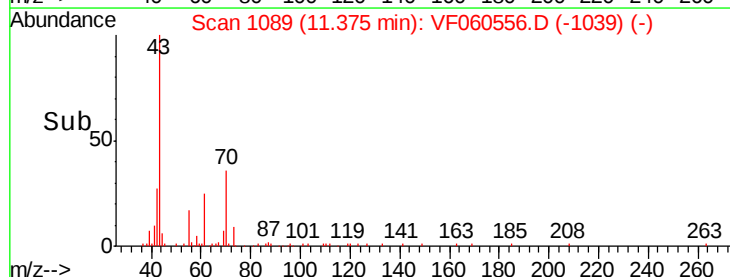
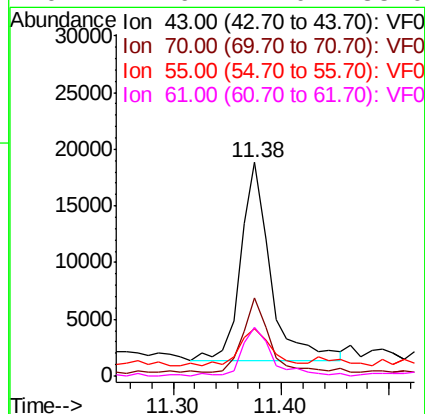
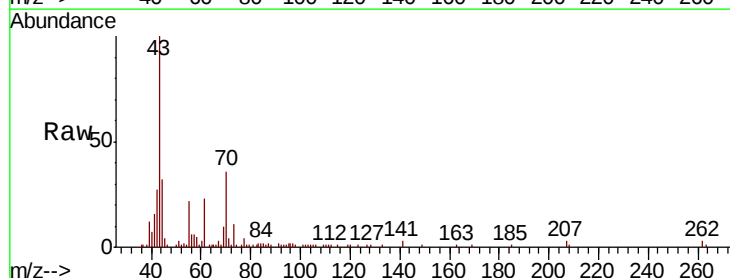
Ion Ratio Lower Upper

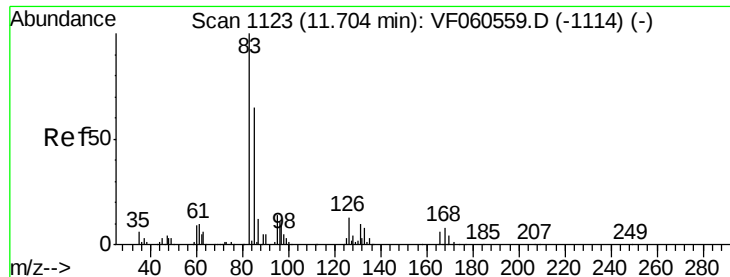
43 100

70 36.4 30.9 46.3

55 22.5 16.6 24.8

61 22.6 22.0 33.0





#75

1,1,2,2-Tetrachloroethane

Concen: 6.667 ug/l

RT: 11.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

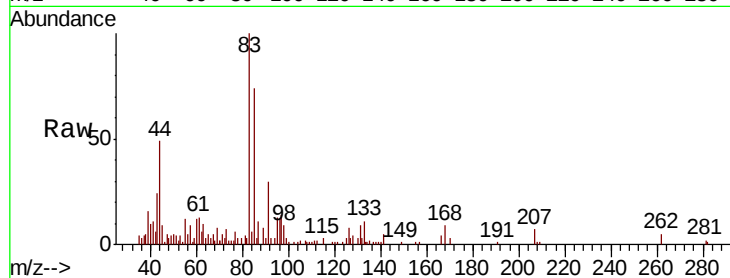
Tgt Ion: 83 Resp: 18308

Ion Ratio Lower Upper

83 100

131 9.4 5.0 14.9

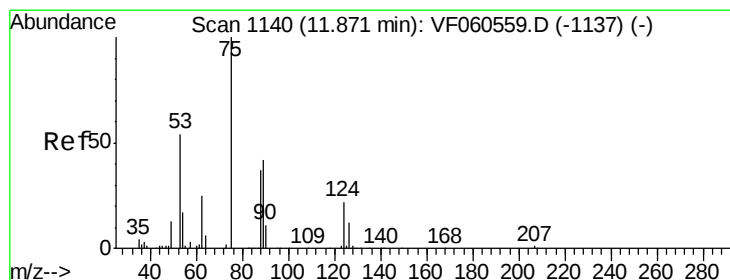
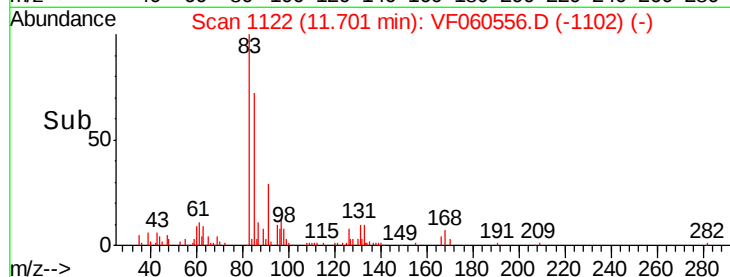
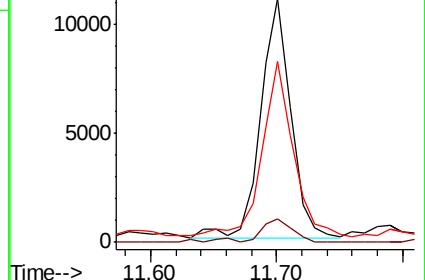
85 74.2 32.9 98.7



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VF0



#76

1,2,3-Trichloropropane

Concen: 4.463 ug/l

RT: 11.87 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF060556.D

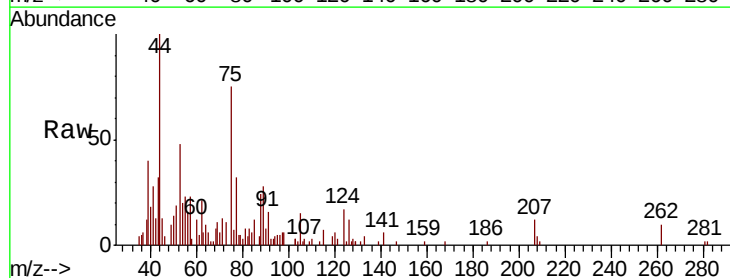
Acq: 2 Nov 2018 10:54

Tgt Ion: 75 Resp: 8413

Ion Ratio Lower Upper

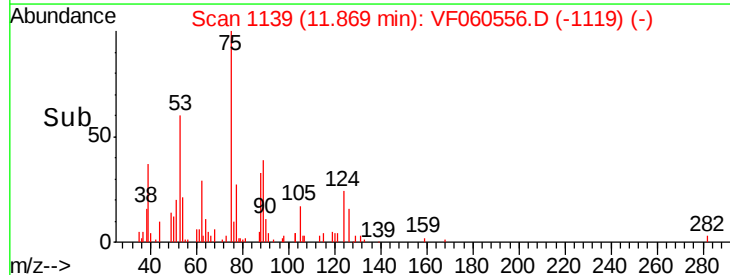
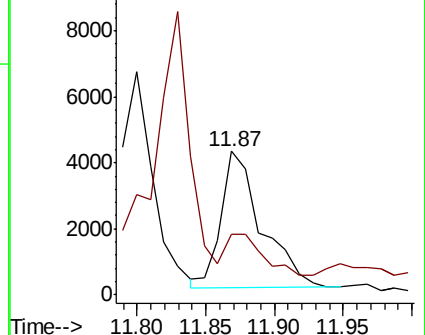
75 100

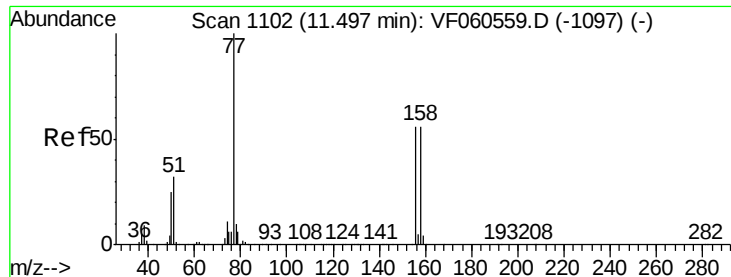
77 42.6 17.4 52.3



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#77

Bromobenzene

Concen: 5.623 ug/l

RT: 11.50 min Scan# 1102

Delta R.T. 0.01 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

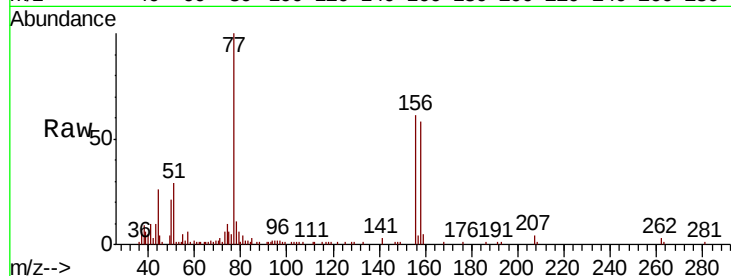
Tgt Ion:156 Resp: 20192

Ion Ratio Lower Upper

156 100

77 162.9 89.3 268.1

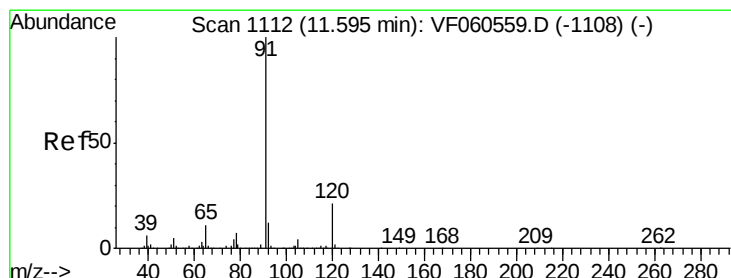
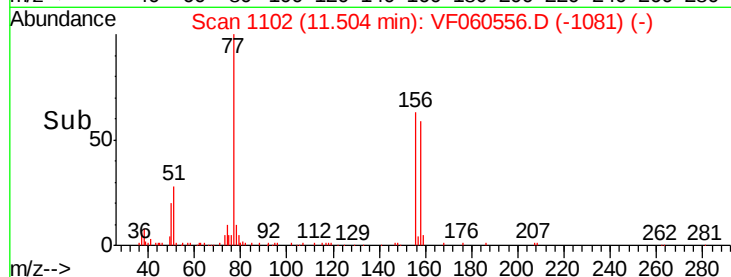
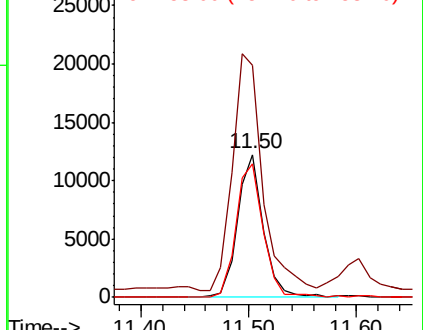
158 93.9 50.0 150.1



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: 6.440 ug/l

RT: 11.60 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VF060556.D

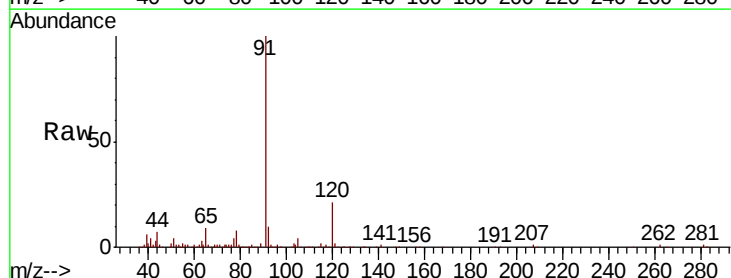
Acq: 2 Nov 2018 10:54

Tgt Ion: 91 Resp: 124509

Ion Ratio Lower Upper

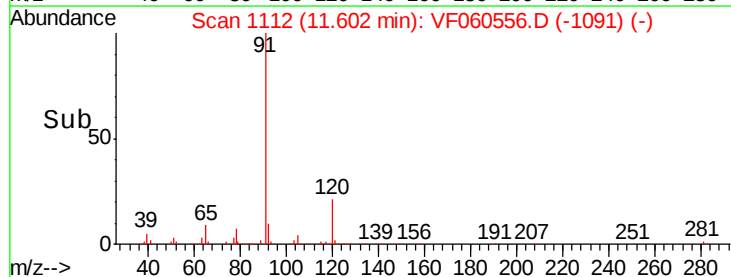
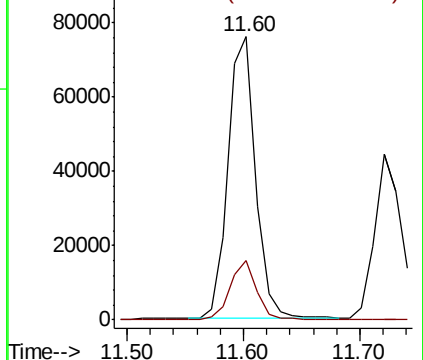
91 100

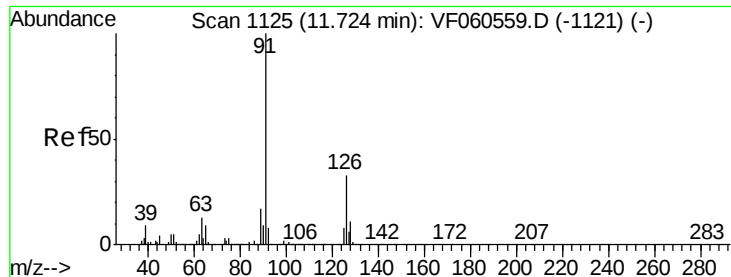
120 20.9 10.5 31.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

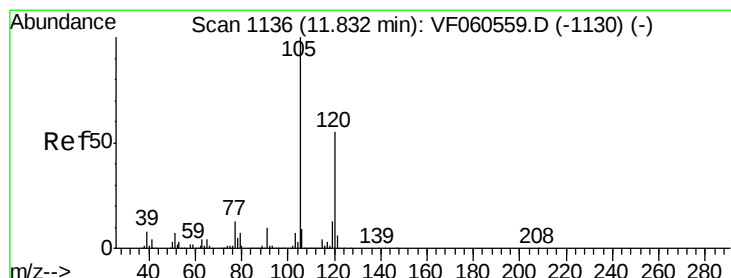
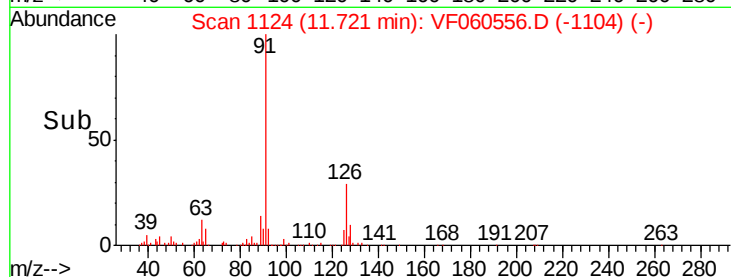
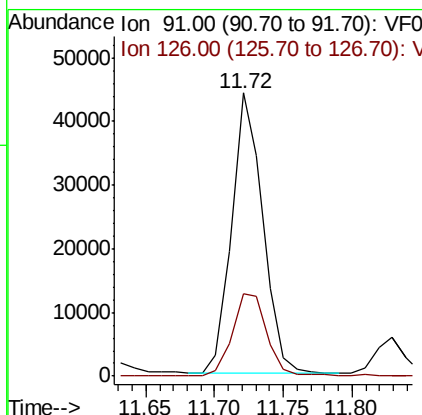
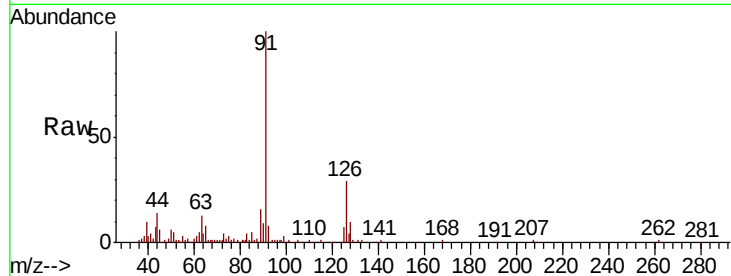




#79
 2-Chlorotoluene
 Concen: 6.012 ug/l
 RT: 11.72 min Scan# 1124
 Delta R.T. -0.00 min
 Lab File: VF060556.D
 Acq: 2 Nov 2018 10:54

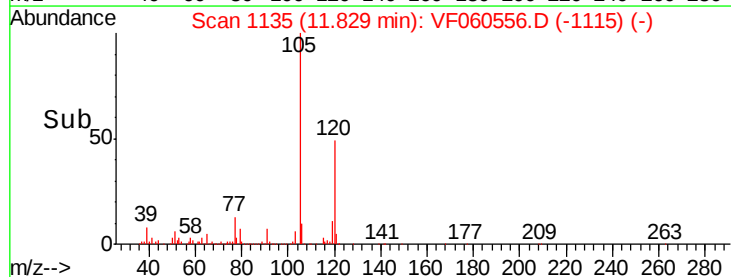
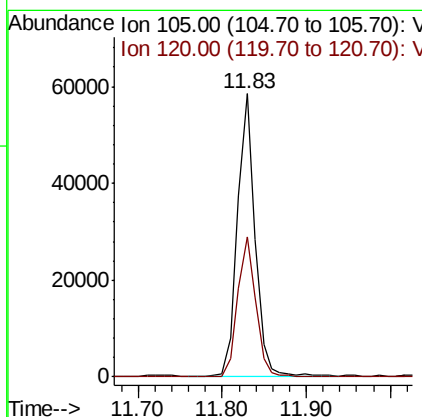
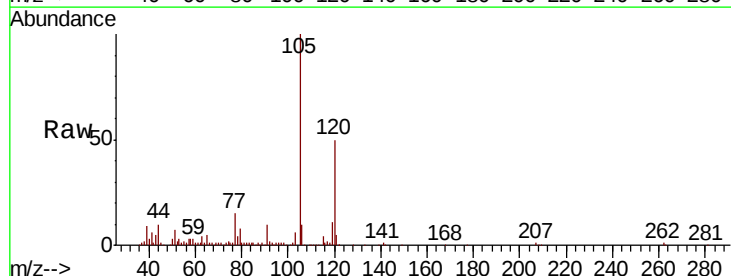
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

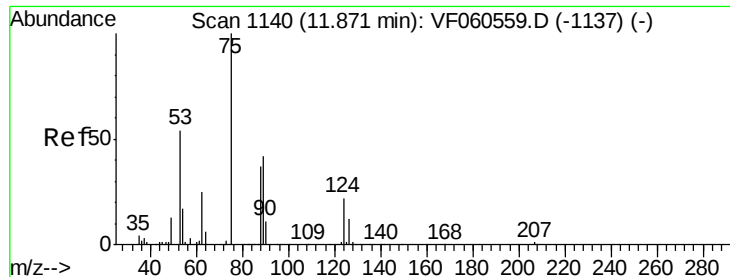
Tgt Ion: 91 Resp: 69218
 Ion Ratio Lower Upper
 91 100
 126 29.1 16.5 49.5



#80
 1,3,5-Trimethylbenzene
 Concen: 6.063 ug/l
 RT: 11.83 min Scan# 1135
 Delta R.T. -0.00 min
 Lab File: VF060556.D
 Acq: 2 Nov 2018 10:54

Tgt Ion: 105 Resp: 84864
 Ion Ratio Lower Upper
 105 100
 120 49.6 27.6 82.8





#81

trans-1,4-Dichloro-2-butene

Concen: 9.141 ug/l

RT: 11.87 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

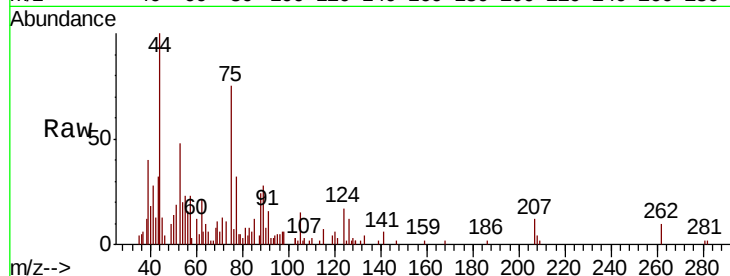
Tgt Ion: 75 Resp: 8413

Ion Ratio Lower Upper

75 100

53 63.3 51.6 77.4

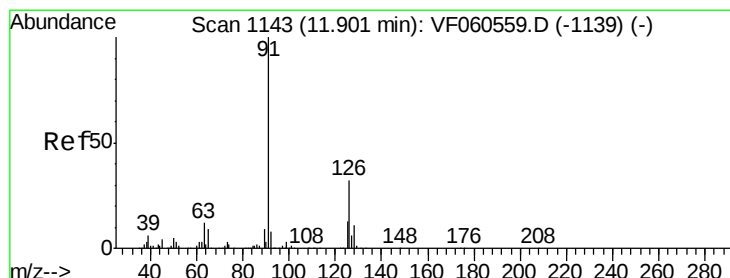
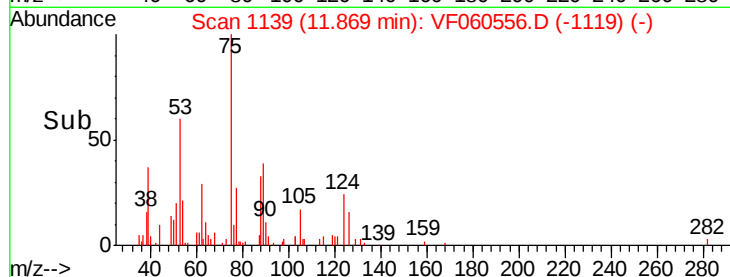
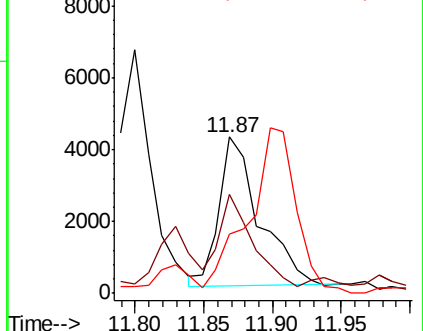
89 37.7 36.7 55.1



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: 5.835 ug/l

RT: 11.91 min Scan# 1143

Delta R.T. 0.01 min

Lab File: VF060556.D

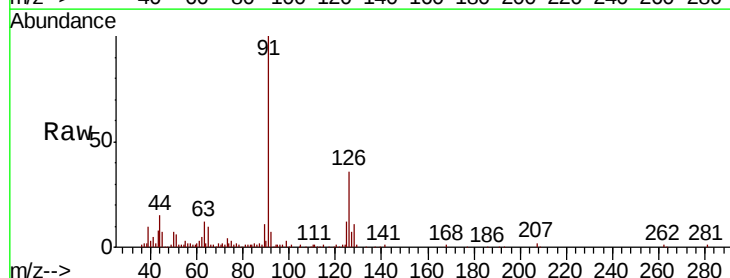
Acq: 2 Nov 2018 10:54

Tgt Ion: 91 Resp: 69357

Ion Ratio Lower Upper

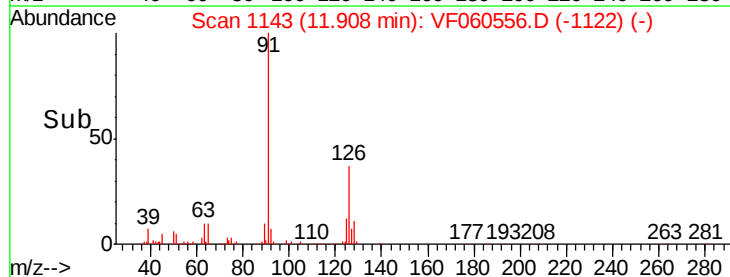
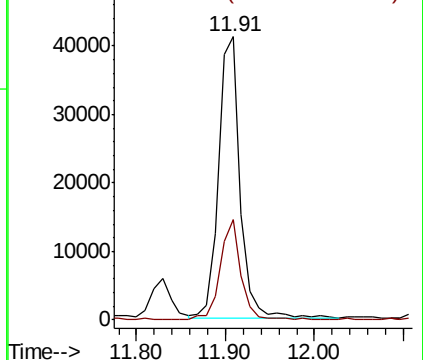
91 100

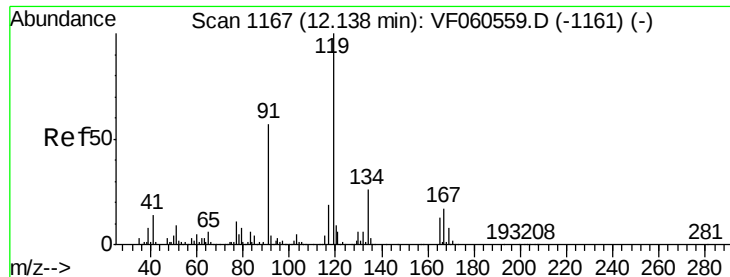
126 35.7 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

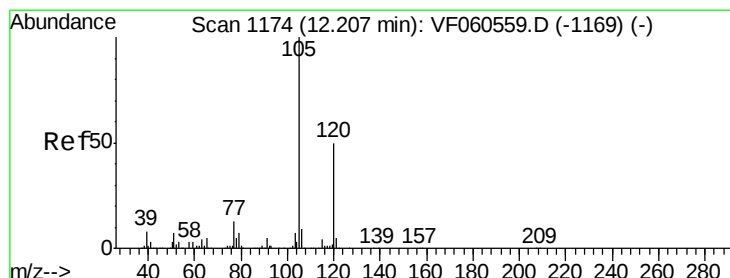
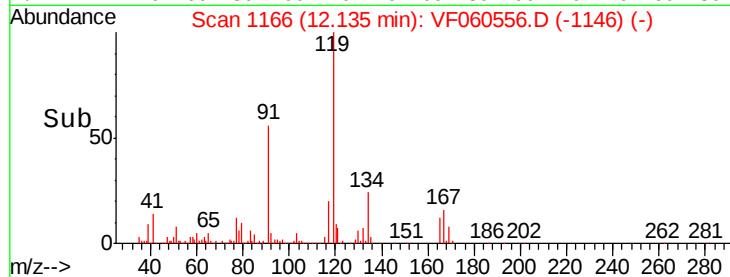
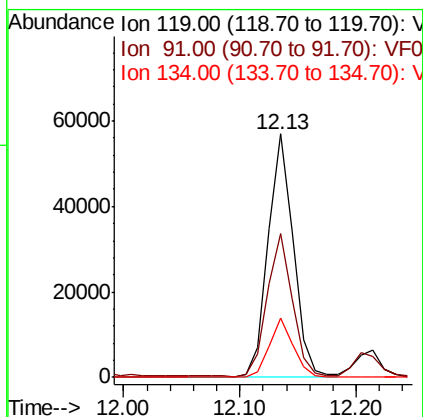
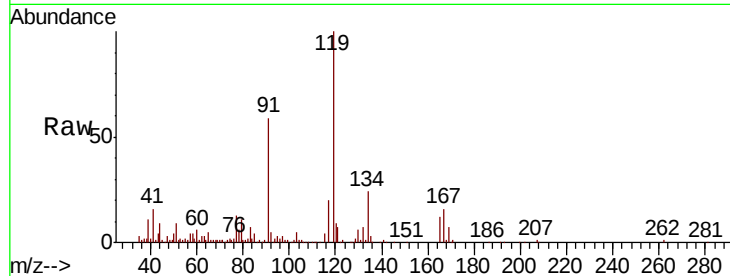




#83
tert-Butylbenzene
Concen: 6.262 ug/l
RT: 12.13 min Scan# 1166
Delta R.T. -0.00 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

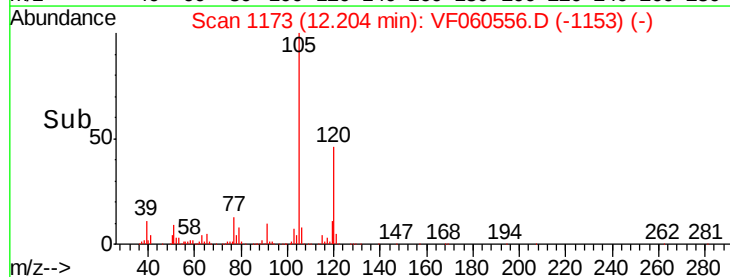
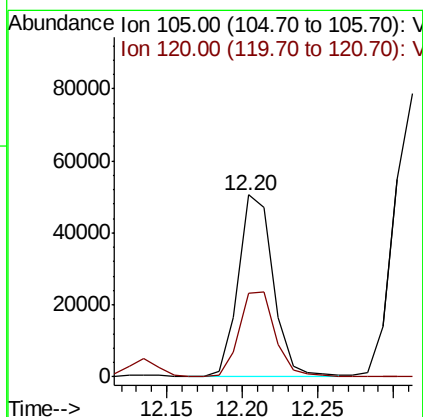
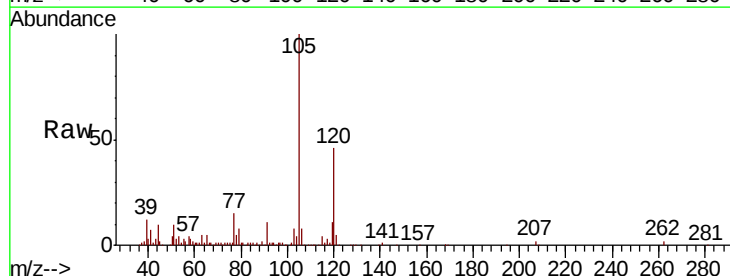
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

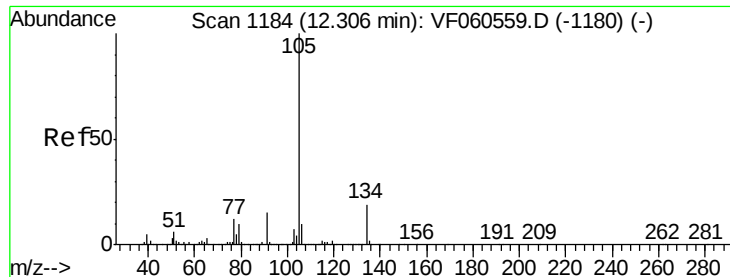
Tgt Ion:119 Resp: 86125
Ion Ratio Lower Upper
119 100
91 59.2 28.8 86.4
134 24.2 13.2 39.6



#84
1,2,4-Trimethylbenzene
Concen: 5.666 ug/l
RT: 12.20 min Scan# 1173
Delta R.T. -0.00 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

Tgt Ion:105 Resp: 80565
Ion Ratio Lower Upper
105 100
120 46.4 25.6 76.8





#85

sec-Butylbenzene

Concen: 6.066 ug/l

RT: 12.31 min Scan# 1184

Delta R.T. 0.01 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

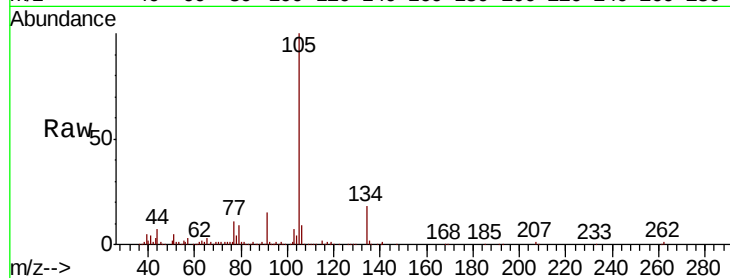
VSTDIC005

Tgt Ion:105 Resp: 116933

Ion Ratio Lower Upper

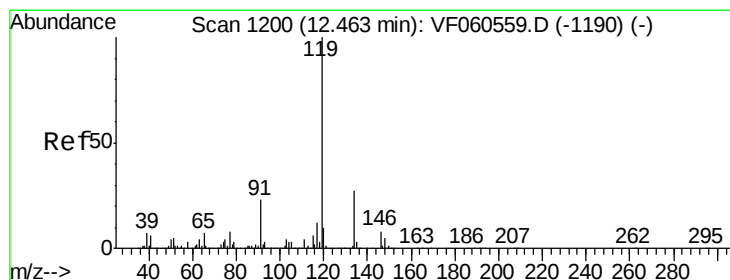
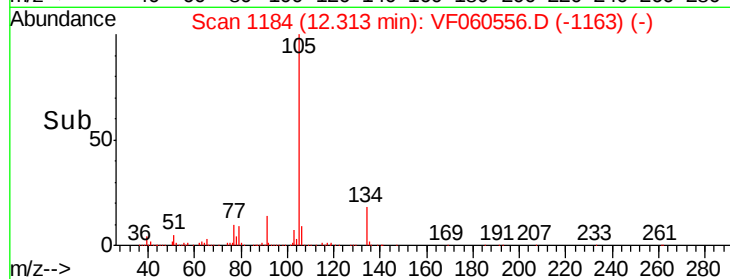
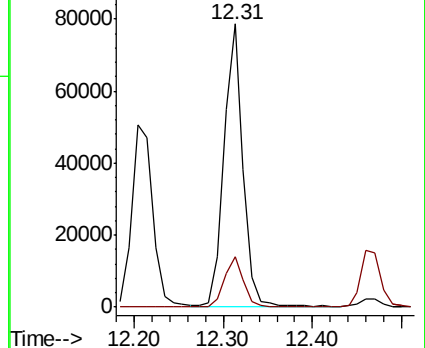
105 100

134 17.8 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: 6.130 ug/l

RT: 12.46 min Scan# 1199

Delta R.T. -0.00 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

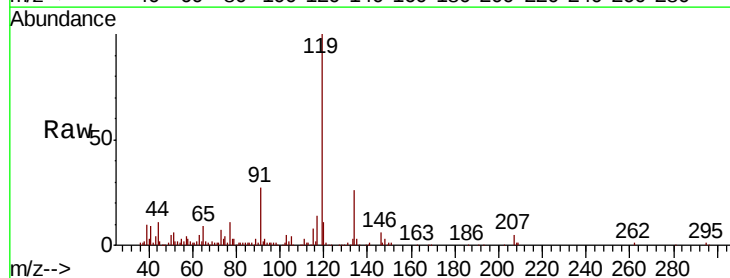
Tgt Ion:119 Resp: 96902

Ion Ratio Lower Upper

119 100

134 25.9 13.6 40.7

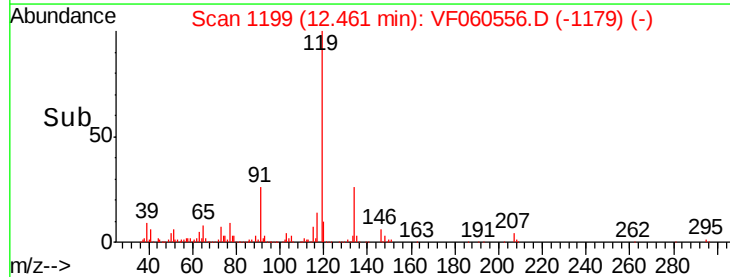
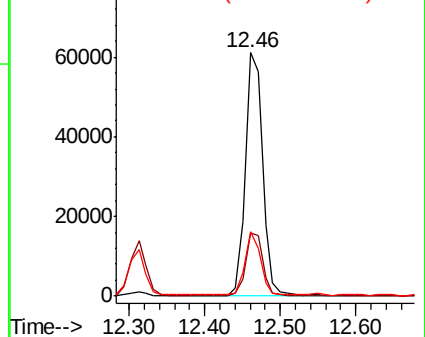
91 26.6 11.4 34.2

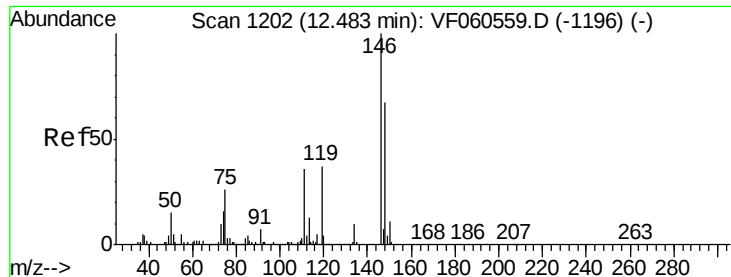


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

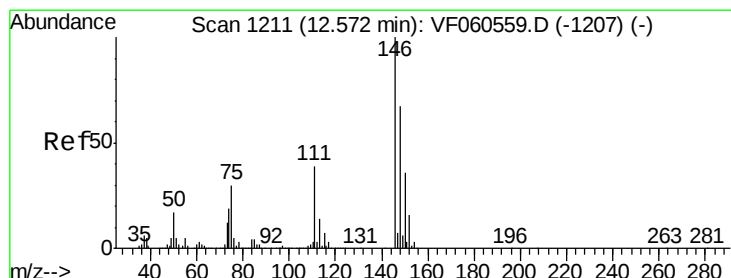
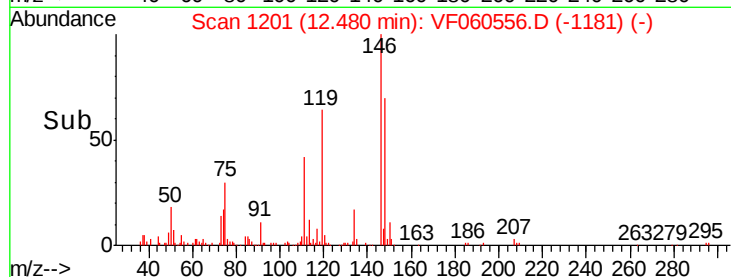
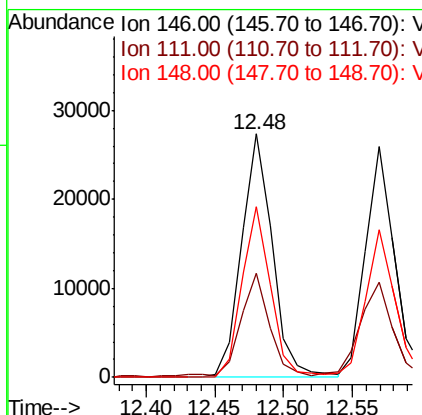
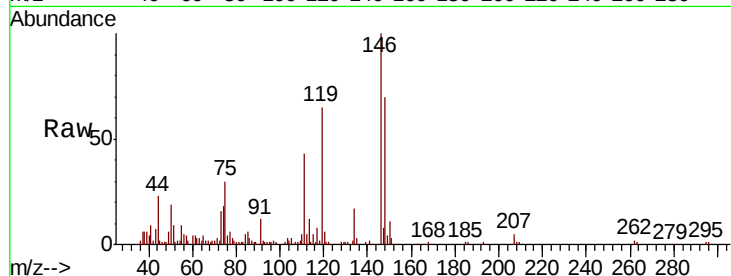




#87
 1,3-Dichlorobenzene
 Concen: 5.996 ug/l
 RT: 12.48 min Scan# 1201
 Delta R.T. -0.00 min
 Lab File: VF060556.D
 Acq: 2 Nov 2018 10:54

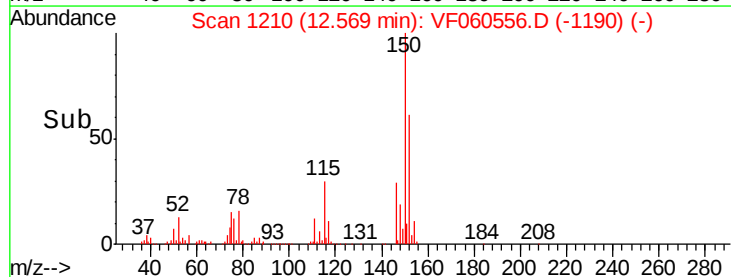
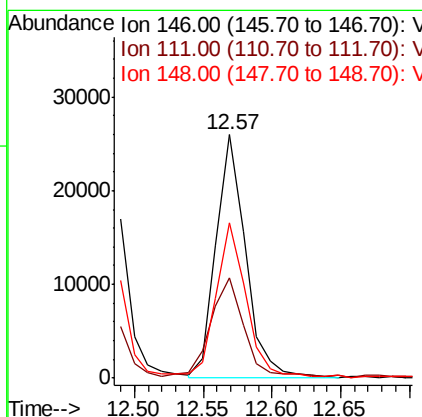
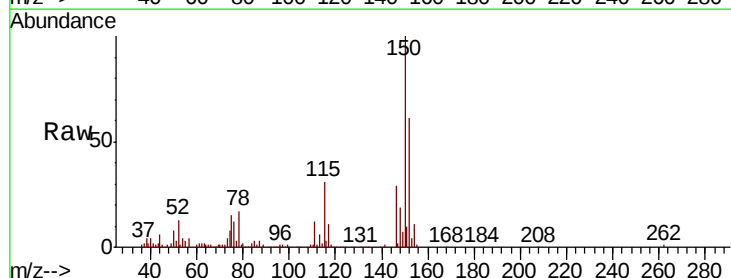
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

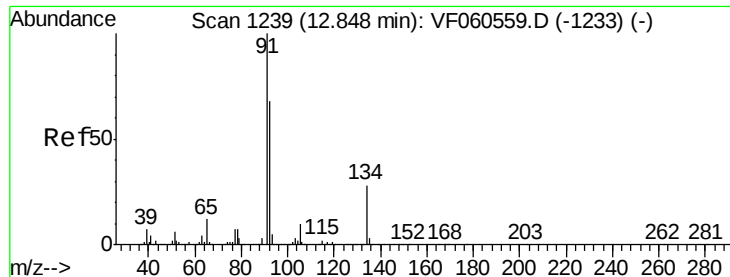
Tgt Ion:146 Resp: 43034
 Ion Ratio Lower Upper
 146 100
 111 42.8 18.3 54.8
 148 70.1 33.5 100.4



#88
 1,4-Dichlorobenzene
 Concen: 5.731 ug/l
 RT: 12.57 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: VF060556.D
 Acq: 2 Nov 2018 10:54

Tgt Ion:146 Resp: 38867
 Ion Ratio Lower Upper
 146 100
 111 41.4 19.7 59.1
 148 63.8 33.7 101.1





#89

n-Butylbenzene

Concen: 6.141 ug/l

RT: 12.85 min Scan# 1238

Delta R.T. -0.00 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

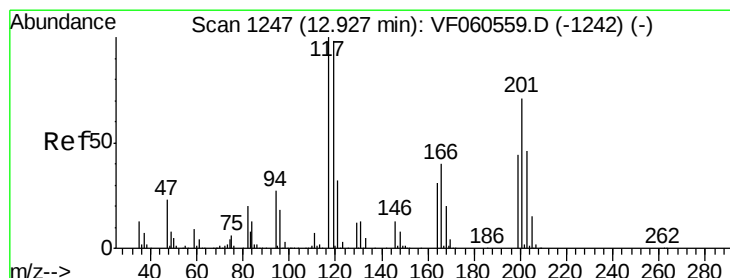
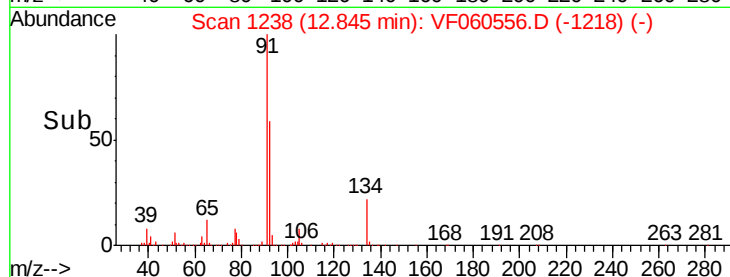
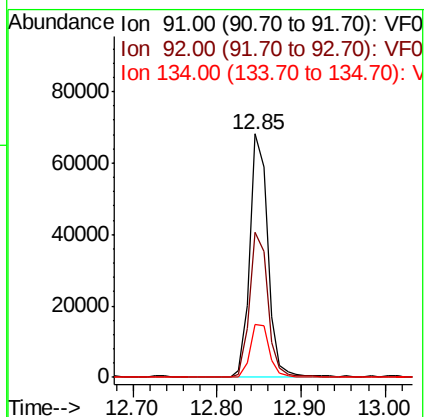
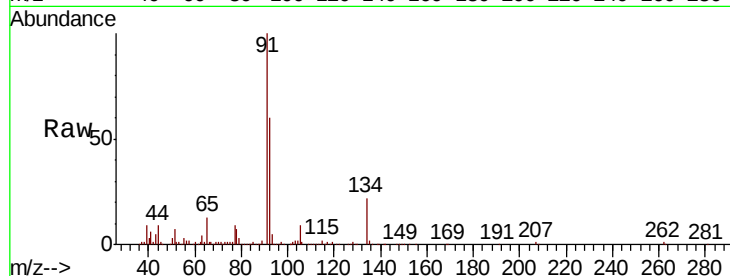
Tgt Ion: 91 Resp: 101778

Ion Ratio Lower Upper

91 100

92 59.5 34.1 102.2

134 21.6 13.9 41.6



#90

Hexachloroethane

Concen: 5.760 ug/l

RT: 12.92 min Scan# 1246

Delta R.T. -0.00 min

Lab File: VF060556.D

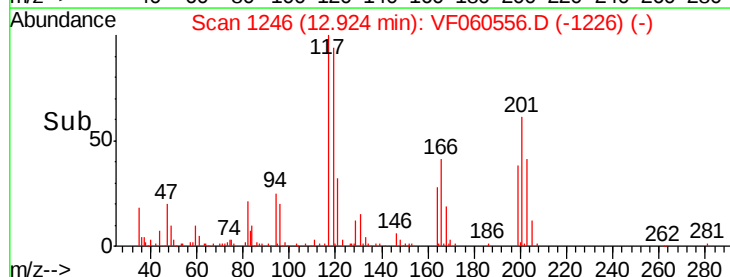
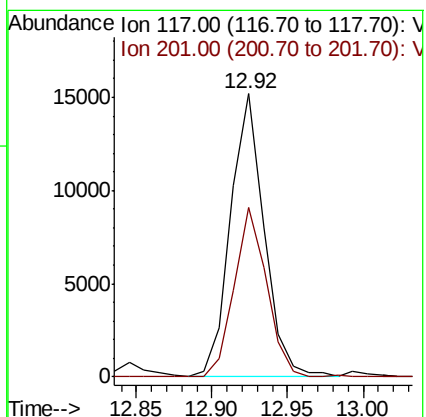
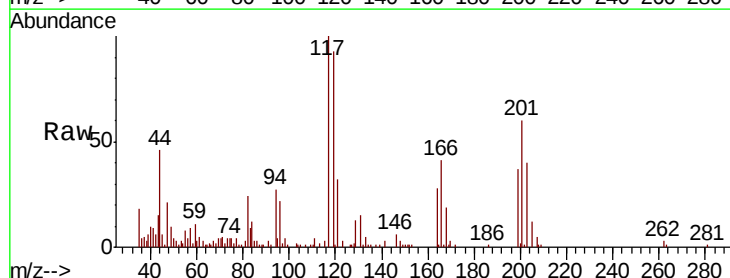
Acq: 2 Nov 2018 10:54

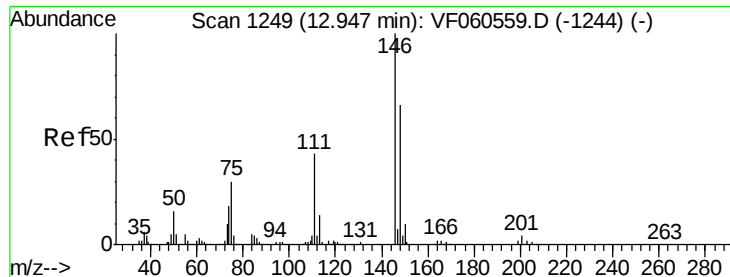
Tgt Ion: 117 Resp: 23470

Ion Ratio Lower Upper

117 100

201 60.0 35.2 105.6





#91

1,2-Dichlorobenzene

Concen: 5.806 ug/l

RT: 12.94 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC005

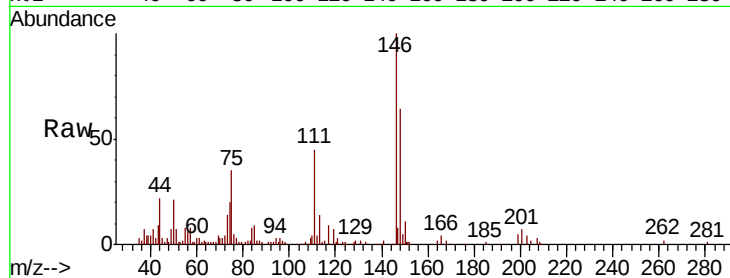
Tgt Ion:146 Resp: 39079

Ion Ratio Lower Upper

146 100

111 45.4 21.3 64.0

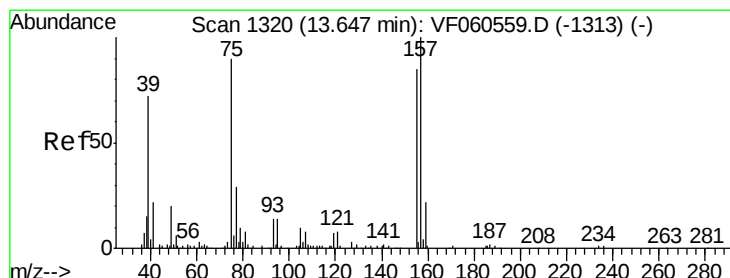
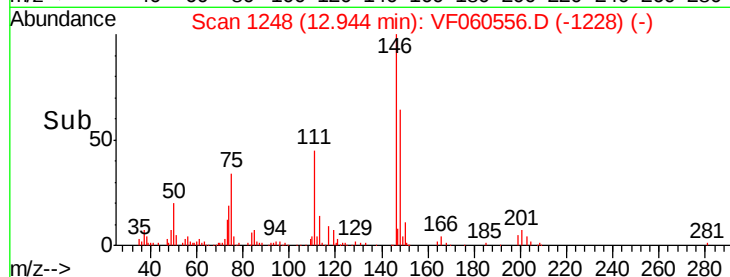
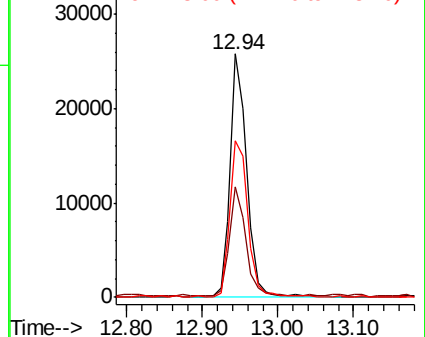
148 64.1 32.9 98.7



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: 5.986 ug/l

RT: 13.64 min Scan# 1319

Delta R.T. -0.00 min

Lab File: VF060556.D

Acq: 2 Nov 2018 10:54

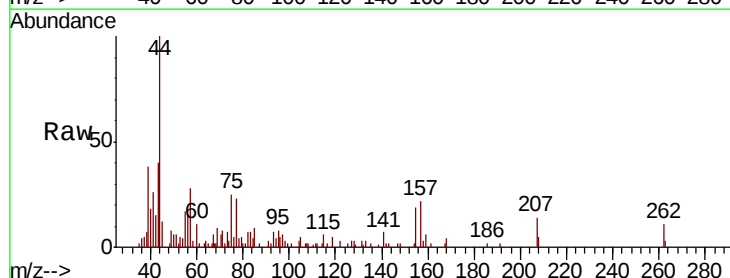
Tgt Ion: 75 Resp: 3328

Ion Ratio Lower Upper

75 100

155 73.8 47.3 141.8

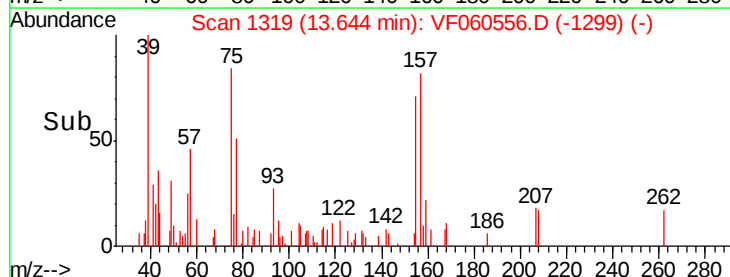
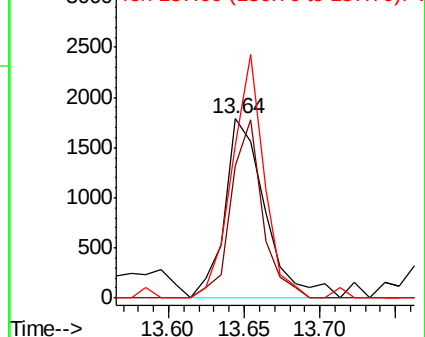
157 85.4 55.3 165.9

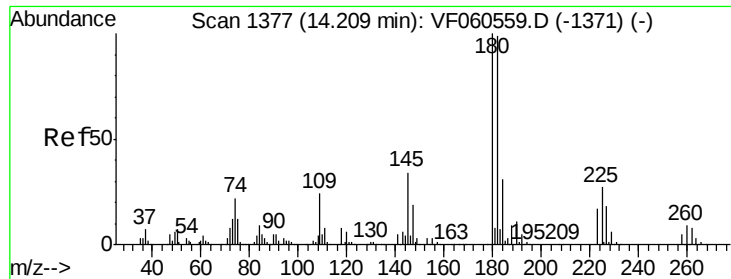


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

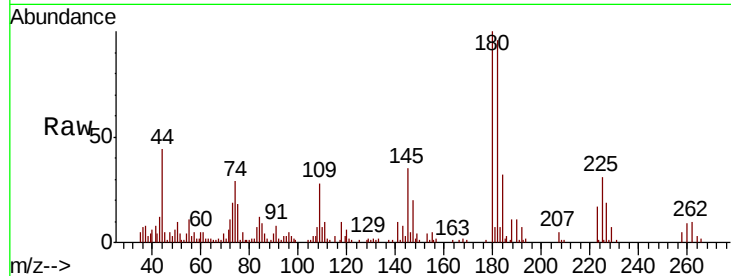




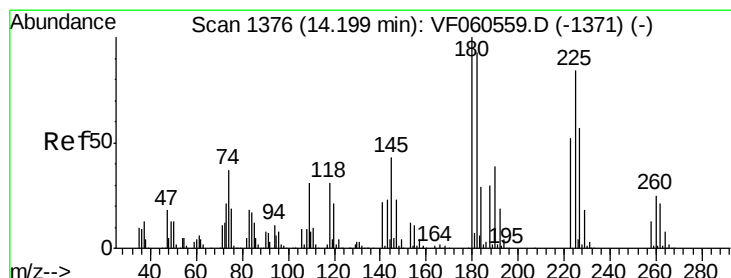
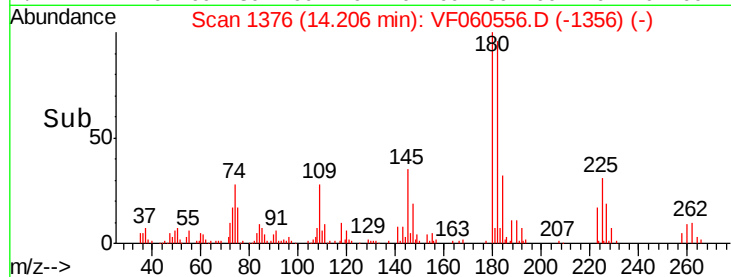
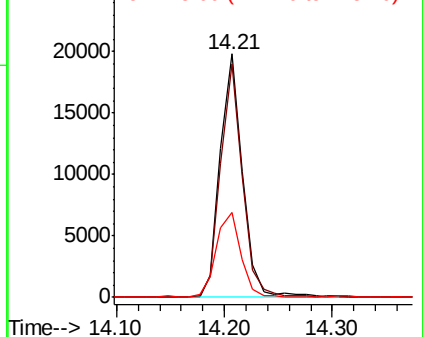
#93
 1,2,4-Trichlorobenzene
 Concen: 5.741 ug/l
 RT: 14.21 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VF060556.D
 Acq: 2 Nov 2018 10:54

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC005

Tgt Ion:180 Resp: 28594
 Ion Ratio Lower Upper
 180 100
 182 96.1 49.7 149.1
 145 35.1 16.9 50.7

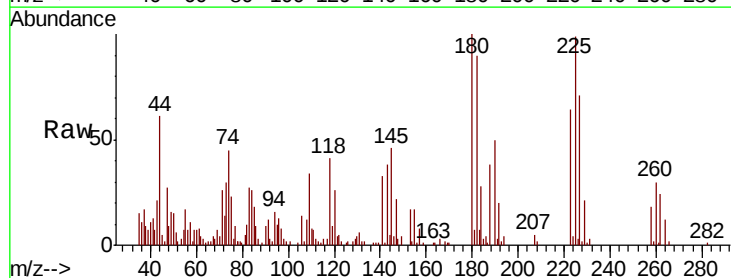


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

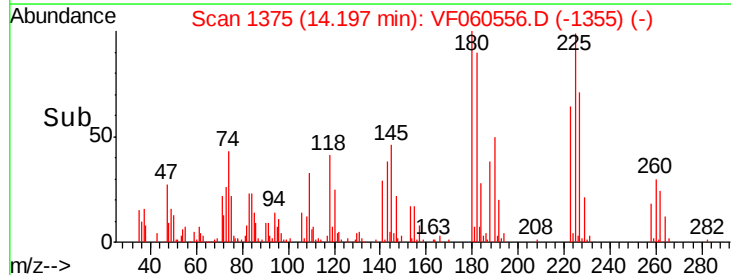
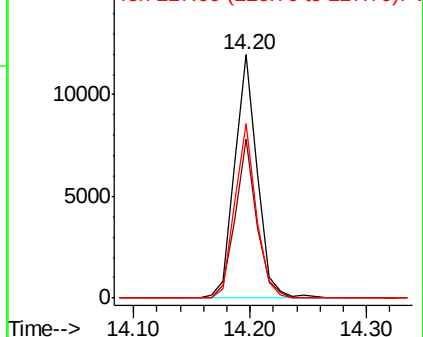


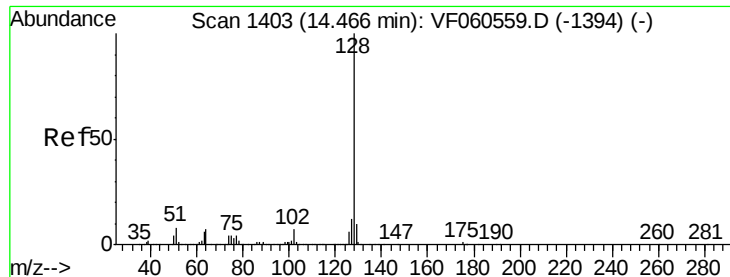
#94
 Hexachlorobutadiene
 Concen: 4.631 ug/l
 RT: 14.20 min Scan# 1375
 Delta R.T. -0.00 min
 Lab File: VF060556.D
 Acq: 2 Nov 2018 10:54

Tgt Ion:225 Resp: 16145
 Ion Ratio Lower Upper
 225 100
 223 65.1 30.9 92.5
 227 71.8 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

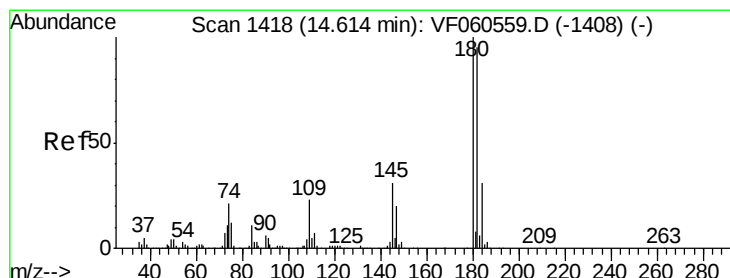
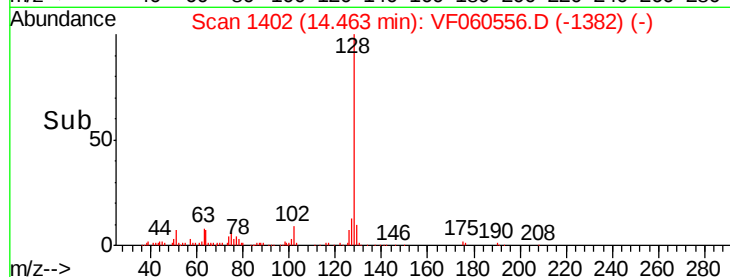
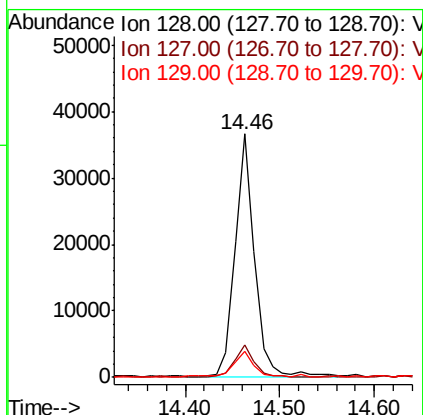
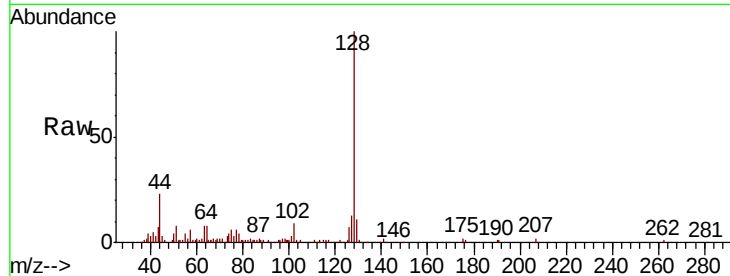




#95
Naphthalene
Concen: 6.014 ug/l
RT: 14.46 min Scan# 1402
Delta R.T. -0.00 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC005

Tgt Ion:128 Resp: 53283
Ion Ratio Lower Upper
128 100
127 13.4 9.4 14.0
129 10.8 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 5.196 ug/l
RT: 14.61 min Scan# 1417
Delta R.T. -0.00 min
Lab File: VF060556.D
Acq: 2 Nov 2018 10:54

Tgt Ion:180 Resp: 24567
Ion Ratio Lower Upper
180 100
182 96.6 47.3 142.0
145 35.1 15.6 46.8

