

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF040419\
 Data File : VF062159.D
 Acq On : 4 Apr 2019 16:08
 Operator : FY/SY
 Sample : VSTDIC010
 Misc : 5.00g/5mL/MSVOA F/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

Quant Time: Apr 05 05:04:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F040419S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 04:46:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	4.85	168	199867	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.57	114	323922	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.75	117	255642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.54	152	131206	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	4.82	65	22586	13.72	ug/l	0.00
Spiked Amount			Recovery	=	27.44%	
35) Dibromofluoromethane	4.10	113	22721	10.17	ug/l	0.01
Spiked Amount			Recovery	=	20.34%	
50) Toluene-d8	7.52	98	61405	9.28	ug/l	0.00
Spiked Amount			Recovery	=	18.56%	
62) 4-Bromofluorobenzene	11.38	95	28021	10.87	ug/l	0.00
Spiked Amount			Recovery	=	21.74%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	0.96	85	34522	13.262	ug/l	94
3) Chloromethane	1.07	50	28882	10.981	ug/l #	81
4) Vinyl Chloride	1.13	62	26619	10.865	ug/l	94
5) Bromomethane	1.31	94	22554	12.614	ug/l	95
6) Chloroethane	1.39	64	15856	12.621	ug/l	98
7) Trichlorofluoromethane	1.48	101	39477	12.900	ug/l	95
8) Diethyl Ether	1.63	74	7128	10.492	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	1.82	101	24156	11.883	ug/l	97
10) Methyl Iodide	1.89	142	44244m	11.489	ug/l	
11) Tert butyl alcohol	2.56	59	5982	70.756	ug/l #	53
12) 1,1-Dichloroethene	1.77	96	20391	10.590	ug/l #	77
13) Acrolein	2.00	56	5009	50.209	ug/l #	77
14) Allyl chloride	2.09	41	33155	15.415	ug/l	88
15) Acrylonitrile	2.92	53	15847	55.030	ug/l	93
16) Acetone	2.23	43	21505	63.638	ug/l #	88
17) Carbon Disulfide	1.82	76	70416	11.956	ug/l #	82
18) Methyl Acetate	2.33	43	11908	15.309	ug/l #	87
19) Methyl tert-butyl Ether	2.41	73	37856	12.039	ug/l	93
20) Methylene Chloride	2.17	84	30635m	14.033	ug/l	
21) trans-1,2-Dichloroethene	2.29	96	23908	12.797	ug/l #	87
22) Diisopropyl ether	2.79	45	69735	12.627	ug/l #	95
23) Vinyl Acetate	3.17	43	144541	62.666	ug/l #	92
24) 1,1-Dichloroethane	2.85	63	39301	11.880	ug/l #	98
25) 2-Butanone	4.31	43	41401	61.964	ug/l	97
26) 2,2-Dichloropropane	3.57	77	22895	16.333	ug/l	95
27) cis-1,2-Dichloroethene	3.46	96	24192	9.792	ug/l	94
28) Bromochloromethane	3.69	49	16181	11.652	ug/l #	86
29) Tetrahydrofuran	4.05	42	17425	60.191	ug/l	95
30) Chloroform	3.83	83	44356	12.426	ug/l #	68
31) Cyclohexane	3.66	56	38265m	11.310	ug/l	
32) 1,1,1-Trichloroethane	4.08	97	34074	14.919	ug/l	89
36) 1,1-Dichloropropene	4.25	75	38301	12.140	ug/l	98
37) Ethyl Acetate	4.08	43	18510	13.509	ug/l #	85
38) Carbon Tetrachloride	3.96	117	32111	14.626	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.43	83	39630	11.307	ug/l	93
40) Benzene	4.61	78	81172	9.944	ug/l	95
41) Methacrylonitrile	4.73	41	8466	11.624	ug/l #	76
42) 1,2-Dichloroethane	4.92	62	31028	14.832	ug/l	88
43) Isopropyl Acetate	6.93	43	21447	13.149	ug/l #	91
44) Trichloroethene	5.48	130	27341	10.924	ug/l	85
45) 1,2-Dichloropropane	6.20	63	20575	10.488	ug/l #	82
46) Dibromomethane	6.08	93	12784	10.530	ug/l #	72
47) Bromodichloromethane	6.35	83	36279	13.066	ug/l #	88
48) Methyl methacrylate	6.70	41	14721	14.989	ug/l	90
49) 1,4-Dioxane	6.70	88	1660	208.882	ug/l #	72
51) 4-Methyl-2-Pentanone	8.23	43	69571	62.266	ug/l	92
52) Toluene	7.60	92	49994	10.384	ug/l	98
53) t-1,3-Dichloropropene	8.25	75	28713	13.064	ug/l #	87
54) cis-1,3-Dichloropropene	7.28	75	34844	11.455	ug/l #	92
55) 1,1,2-Trichloroethane	8.47	97	15654	11.580	ug/l #	85
56) Ethyl methacrylate	8.60	69	19517	11.867	ug/l #	84
57) 1,3-Dichloropropane	8.83	76	23045	10.277	ug/l #	84
58) 2-Chloroethyl Vinyl ether	7.27	63	10360	41.946	ug/l #	86
59) 2-Hexanone	9.46	43	49014	60.262	ug/l	86
60) Dibromochloromethane	8.70	129	21765	11.428	ug/l	83
61) 1,2-Dibromoethane	8.96	107	15823	10.983	ug/l	90
64) Tetrachloroethene	8.12	164	20590	10.457	ug/l	87
65) Chlorobenzene	9.77	112	54918	11.378	ug/l	96
66) 1,1,1,2-Tetrachloroethane	9.91	131	25609	13.002	ug/l	88
67) Ethyl Benzene	9.88	91	103118	12.010	ug/l	93
68) m/p-Xylenes	10.10	106	78995	24.726	ug/l	96
69) o-Xylene	10.69	106	38873	11.878	ug/l	94
70) Styrene	10.76	104	58065	11.493	ug/l	93
71) Bromoform	10.75	173	11239	11.113	ug/l #	70
73) Isopropylbenzene	11.11	105	114118	12.166	ug/l	98
74) N-amyl acetate	11.35	43	32352	14.216	ug/l #	94
75) 1,1,2,2-Tetrachloroethane	11.68	83	17993	11.413	ug/l	88
76) 1,2,3-Trichloropropane	11.78	75	13862	12.081	ug/l	97
77) Bromobenzene	11.47	156	24330	10.764	ug/l	95
78) n-propylbenzene	11.57	91	136000	12.334	ug/l	99
79) 2-Chlorotoluene	11.70	91	79511	13.009	ug/l	96
80) 1,3,5-Trimethylbenzene	11.81	105	103772	13.232	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.85	75	5710m	12.129	ug/l	
82) 4-Chlorotoluene	11.88	91	82061	12.934	ug/l	92
83) tert-Butylbenzene	12.11	119	100950	12.411	ug/l	98
84) 1,2,4-Trimethylbenzene	12.18	105	97853	12.758	ug/l	94
85) sec-Butylbenzene	12.29	105	120761	11.524	ug/l	95
86) p-Isopropyltoluene	12.44	119	114348	12.382	ug/l	94
87) 1,3-Dichlorobenzene	12.46	146	47224	11.071	ug/l	95
88) 1,4-Dichlorobenzene	12.55	146	48357	11.766	ug/l	98
89) n-Butylbenzene	12.82	91	111679	12.749	ug/l	94
90) Hexachloroethane	12.90	117	24942	11.569	ug/l	91
91) 1,2-Dichlorobenzene	12.92	146	45767	11.583	ug/l	92
92) 1,2-Dibromo-3-Chloropropan	13.63	75	3016	12.025	ug/l	91

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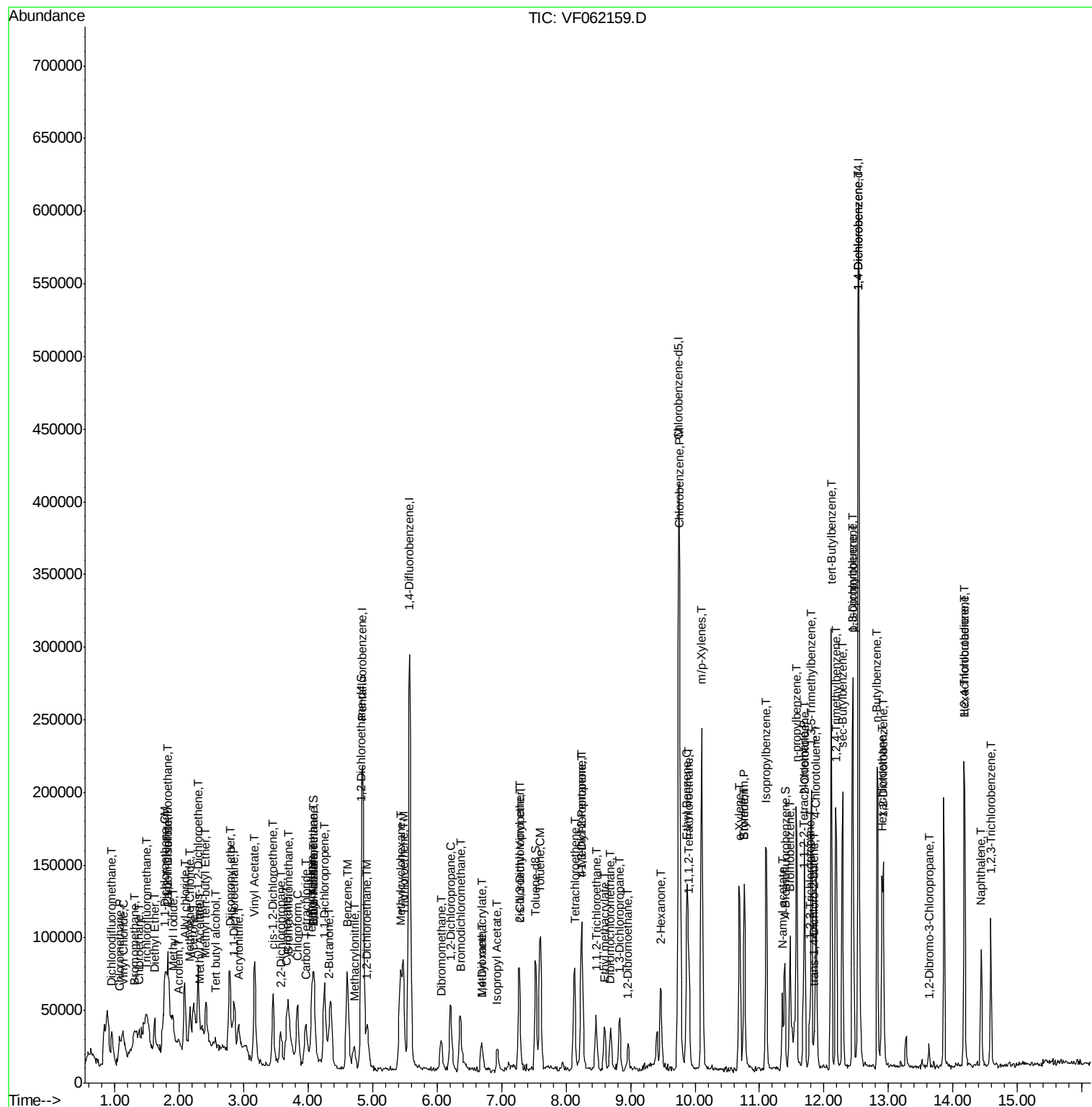
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.18	180	30987	11.134	ug/l	92
94) Hexachlorobutadiene	14.17	225	21934	11.931	ug/l	95
95) Naphthalene	14.44	128	50998	10.710	ug/l	97
96) 1,2,3-Trichlorobenzene	14.58	180	26698	10.462	ug/l	98

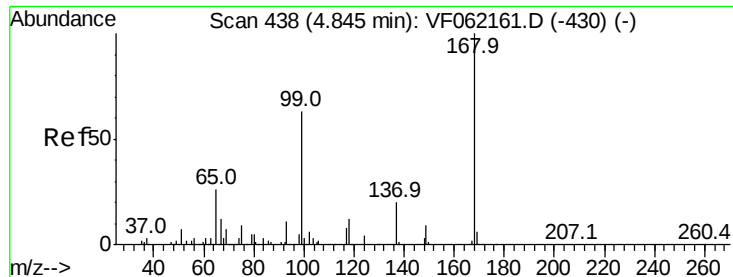
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 4.85 min Scan# 438

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

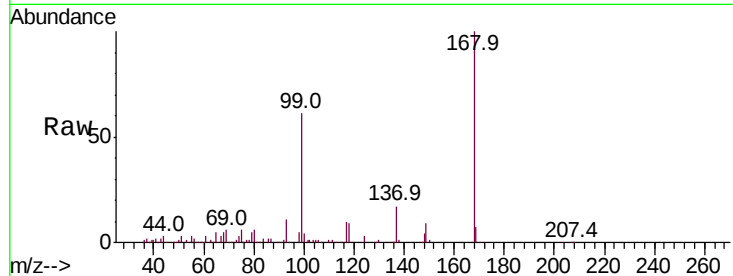
VSTDIC010

Tot Ion:168 Resp: 199867

Ion Ratio Lower Upper

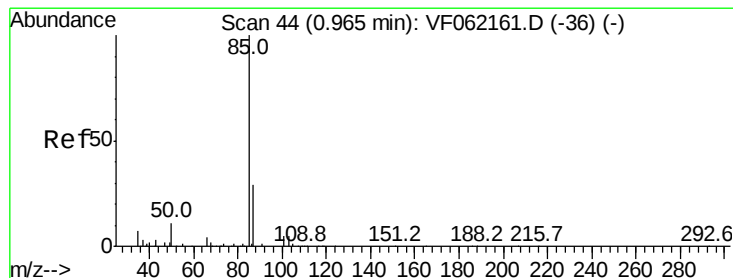
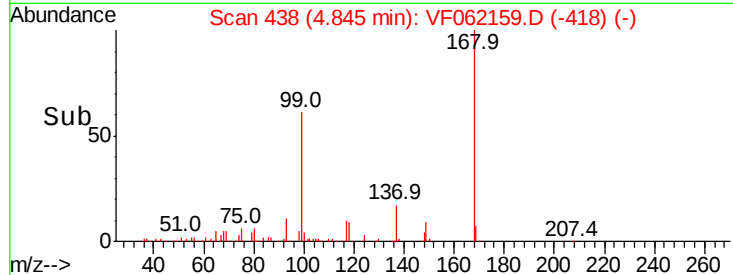
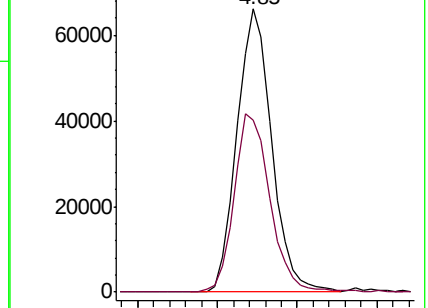
168 100

99 60.6 50.5 75.7



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0



#2

Dichlorodifluoromethane

Concen: 13.262 ug/l

RT: 0.96 min Scan# 43

Delta R.T. -0.01 min

Lab File: VF062159.D

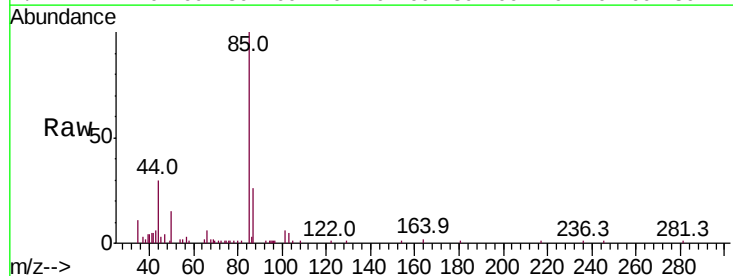
Acq: 4 Apr 2019 16:08

Tgt Ion: 85 Resp: 34522

Ion Ratio Lower Upper

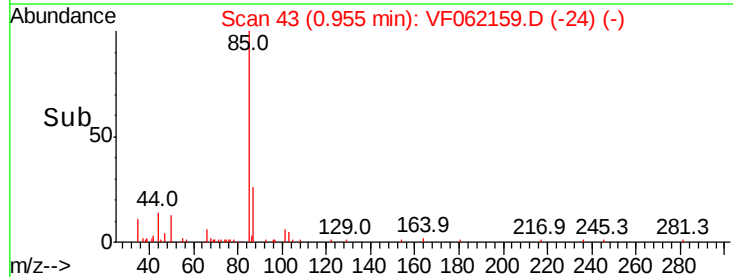
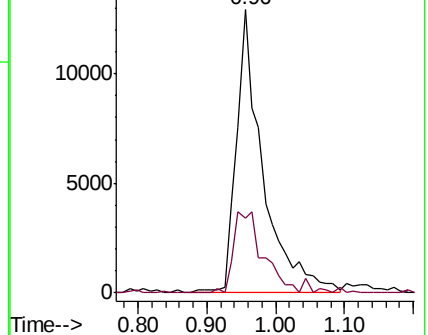
85 100

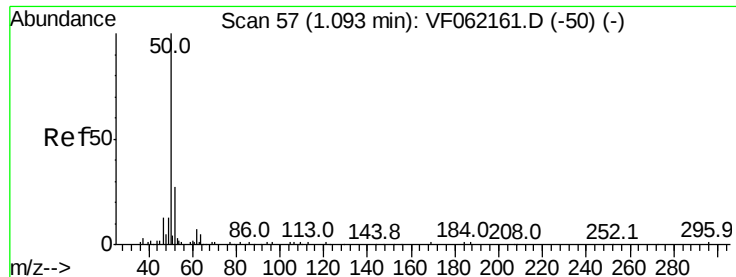
87 26.3 14.9 44.5



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

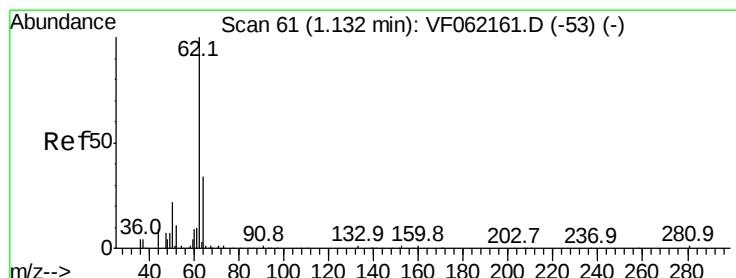
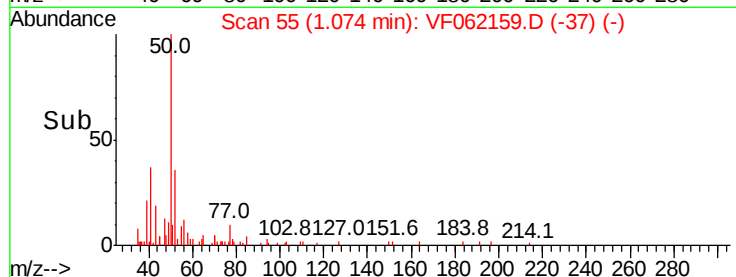
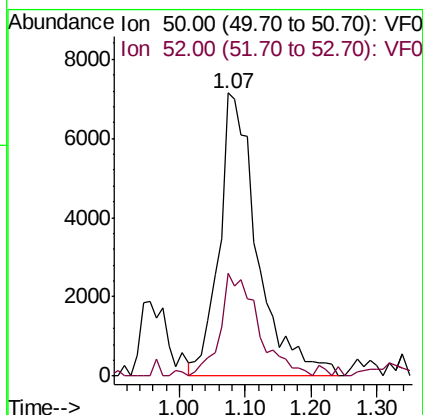
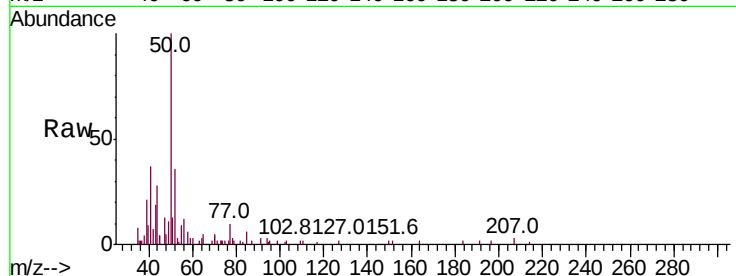




#3
Chloromethane
Concen: 10.981 ug/l
RT: 1.07 min Scan# 55
Delta R.T. -0.02 min
Lab File: VF062159.D
Acq: 4 Apr 2019 16:08

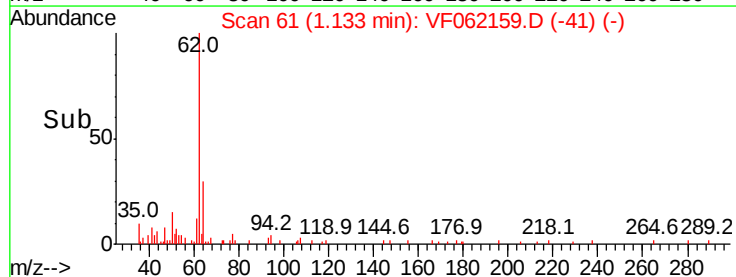
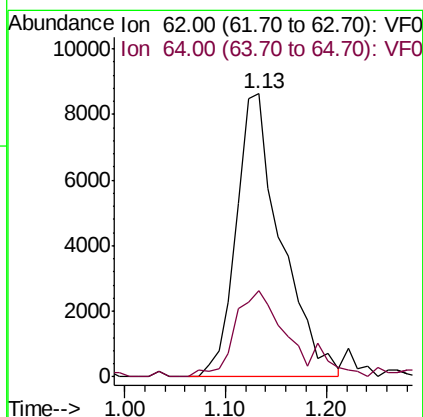
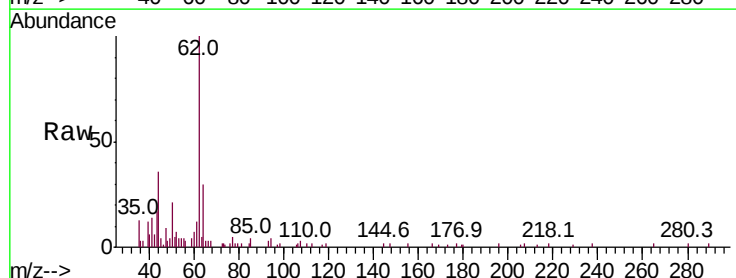
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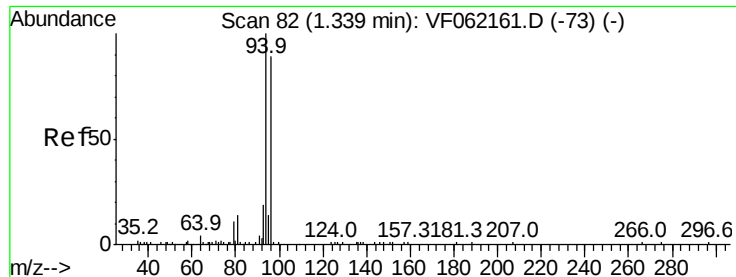
Tot Ion: 50 Resp: 28882
Ion Ratio Lower Upper
50 100
52 36.4 21.4 32.0#



#4
Vinyl Chloride
Concen: 10.865 ug/l
RT: 1.13 min Scan# 61
Delta R.T. 0.00 min
Lab File: VF062159.D
Acq: 4 Apr 2019 16:08

Tgt Ion: 62 Resp: 26619
Ion Ratio Lower Upper
62 100
64 30.3 27.0 40.4





#5

Bromomethane

Concen: 12.614 ug/l

RT: 1.31 min Scan# 79

Delta R.T. -0.03 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

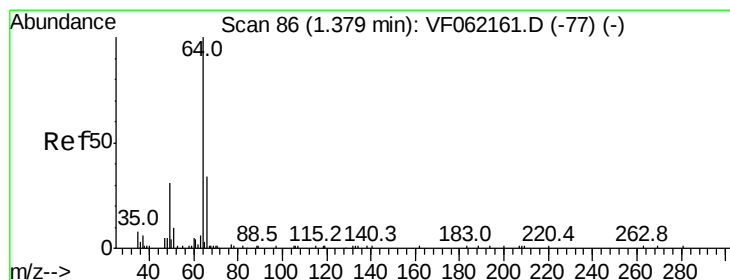
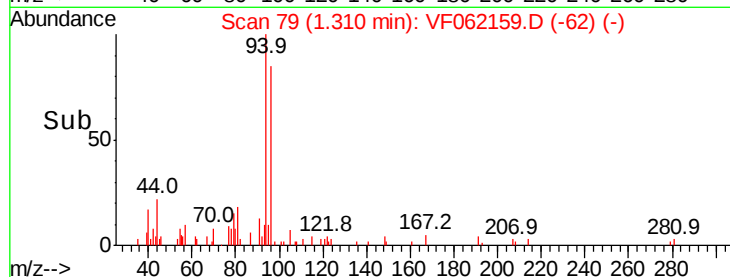
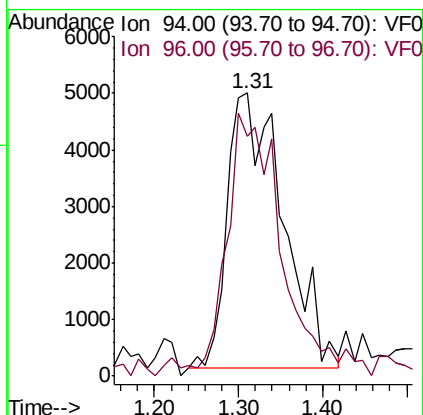
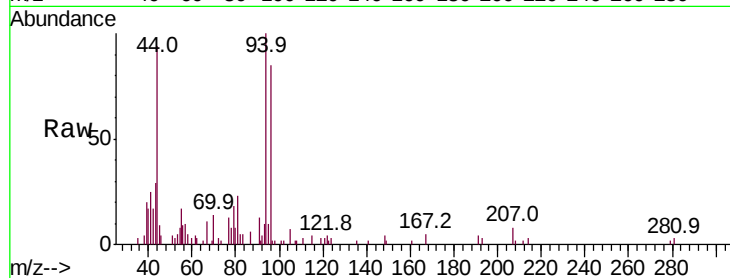
VSTDIC010

Tot Ion: 94 Resp: 22554

Ion Ratio Lower Upper

94 100

96 84.7 71.3 106.9



#6

Chloroethane

Concen: 12.621 ug/l

RT: 1.39 min Scan# 87

Delta R.T. 0.01 min

Lab File: VF062159.D

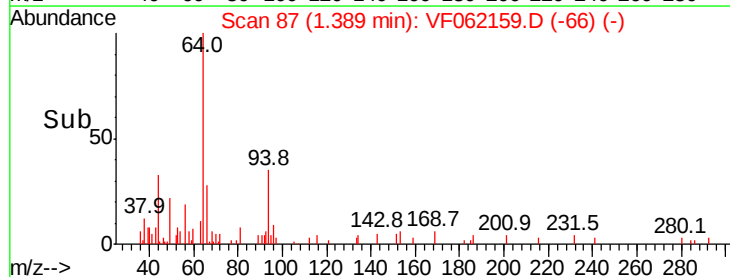
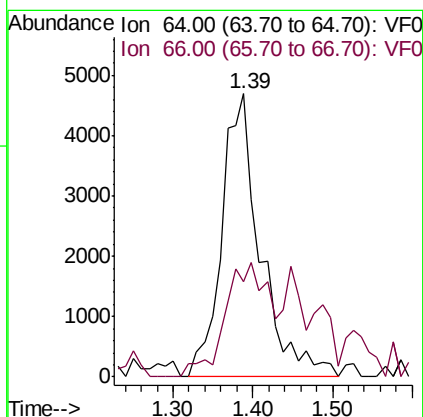
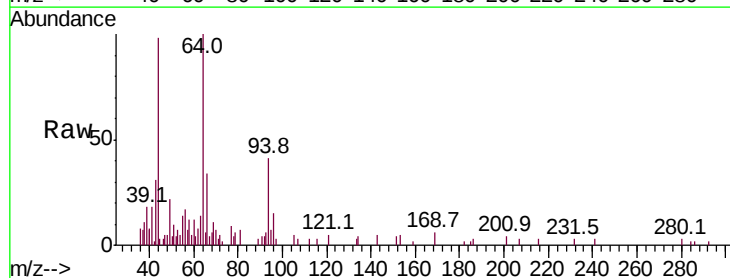
Acq: 4 Apr 2019 16:08

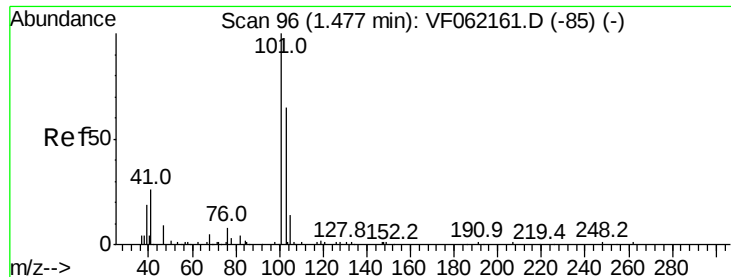
Tgt Ion: 64 Resp: 15856

Ion Ratio Lower Upper

64 100

66 33.7 27.8 41.6





#7

Trichlorofluoromethane

Concen: 12.900 ug/l

RT: 1.48 min Scan# 96

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

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ClientSampleId :

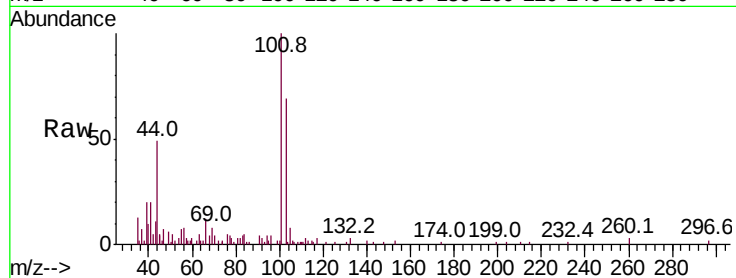
VSTDIC010

Tot Ion:101 Resp: 39477

Ion Ratio Lower Upper

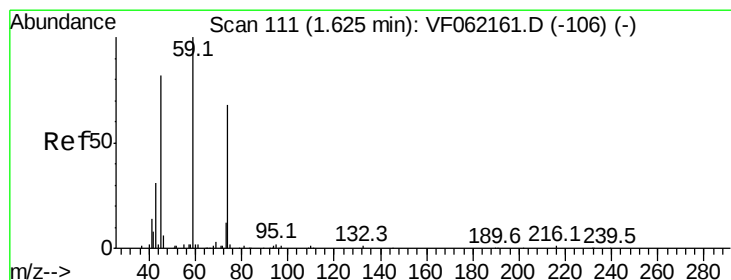
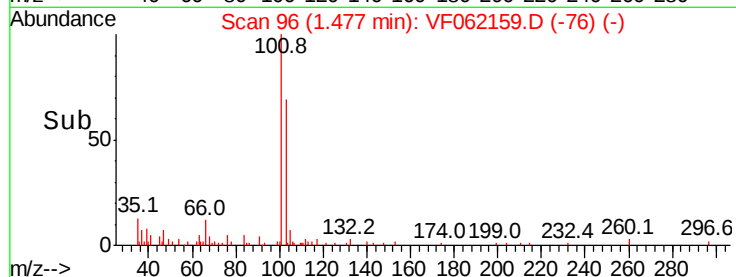
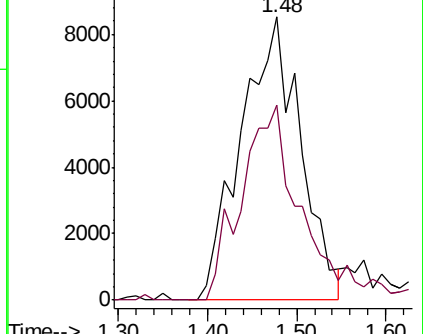
101 100

103 68.9 52.0 78.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#8

Diethyl Ether

Concen: 10.492 ug/l

RT: 1.63 min Scan# 111

Delta R.T. 0.00 min

Lab File: VF062159.D

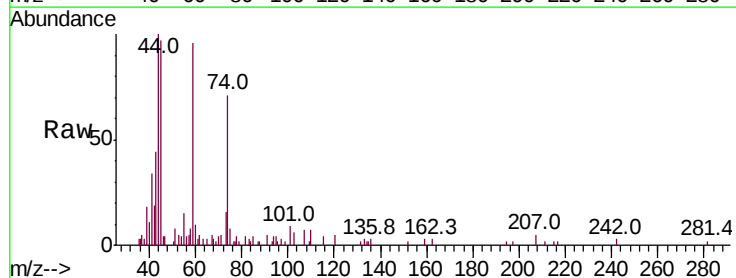
Acq: 4 Apr 2019 16:08

Tgt Ion: 74 Resp: 7128

Ion Ratio Lower Upper

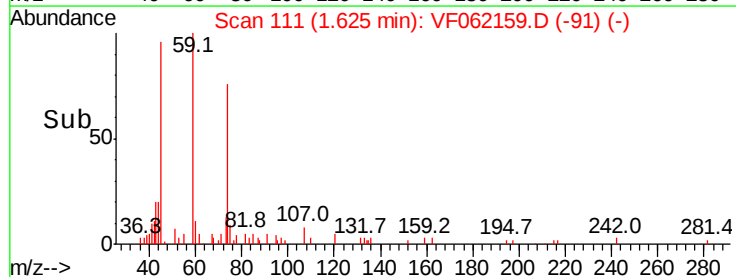
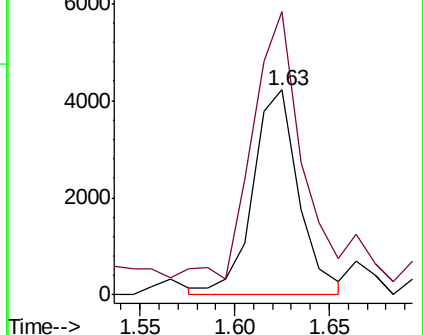
74 100

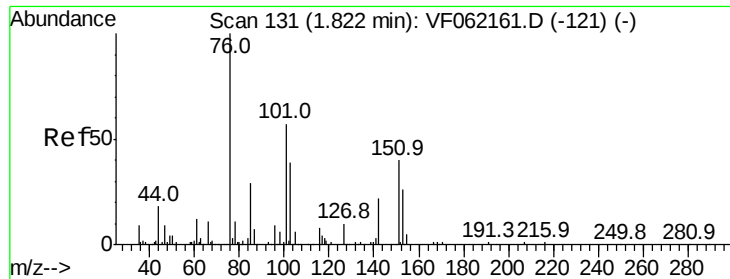
45 138.1 61.9 185.6



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.883 ug/l

RT: 1.82 min Scan# 131

Delta R.T. 0.00 min

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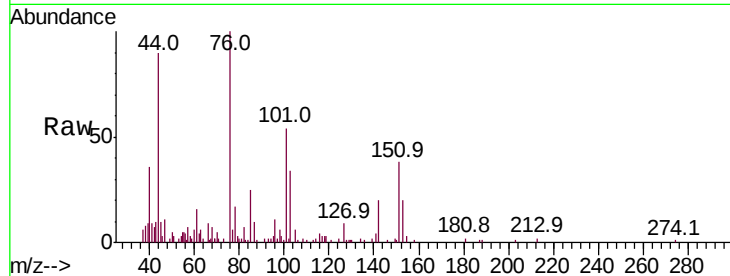
Tot Ion:101 Resp: 24156

Ion Ratio Lower Upper

101 100

85 46.4 41.0 61.6

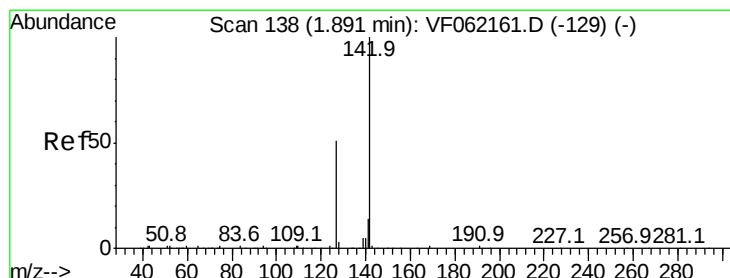
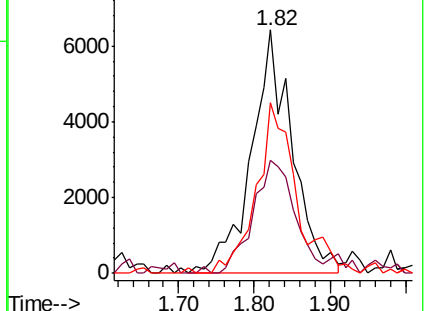
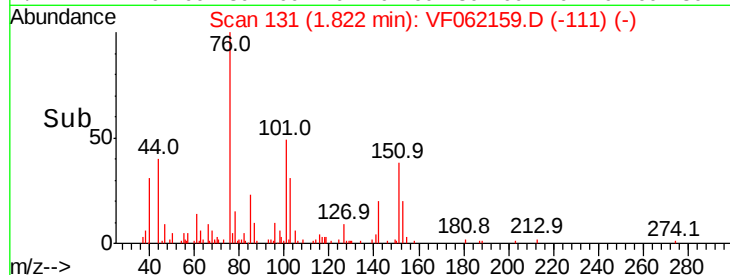
151 70.1 56.5 84.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 11.489 ug/l m

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

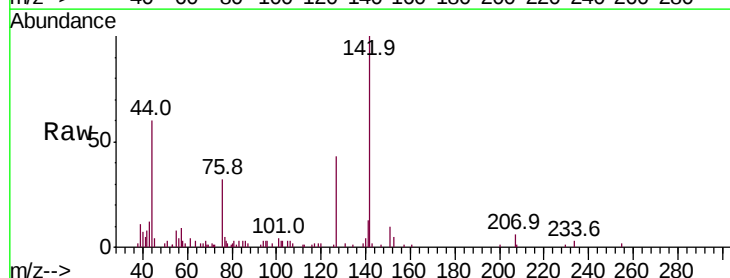
Tgt Ion:142 Resp: 44244

Ion Ratio Lower Upper

142 100

127 43.5 40.7 61.1

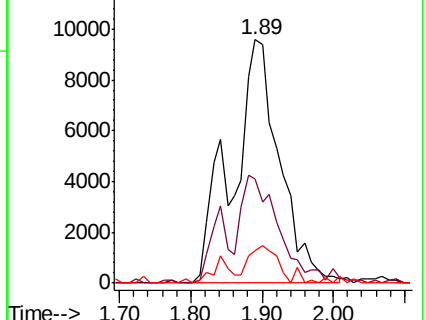
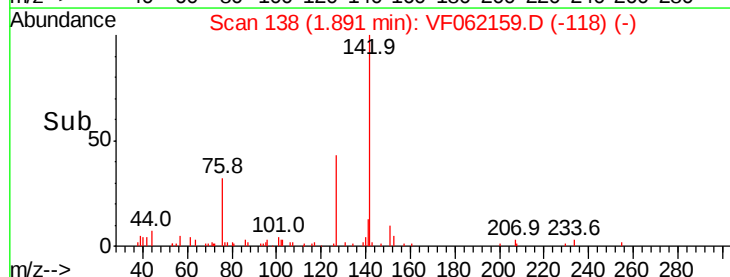
141 13.4 11.1 16.7

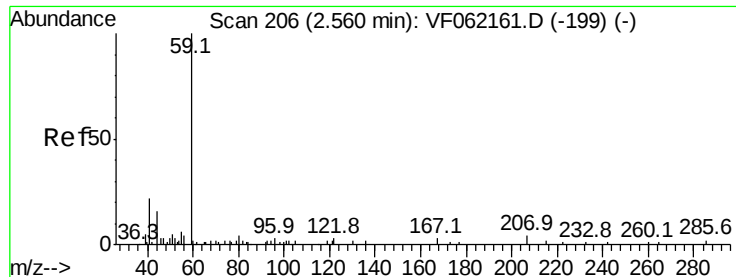


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V



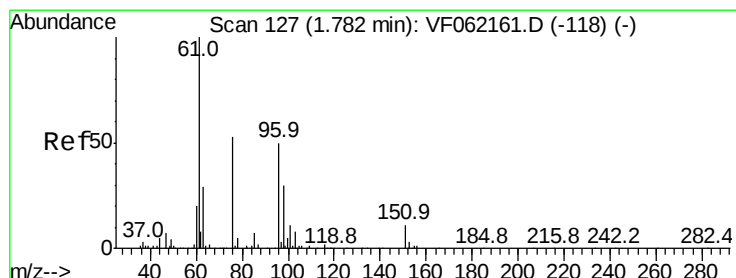
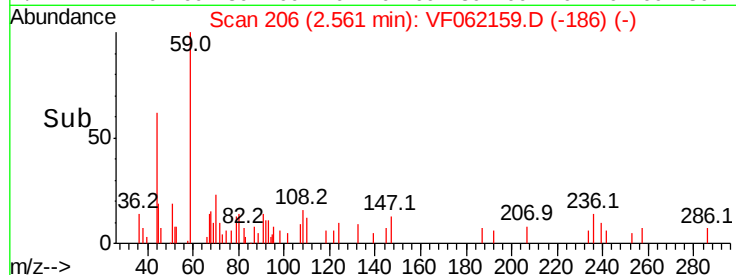
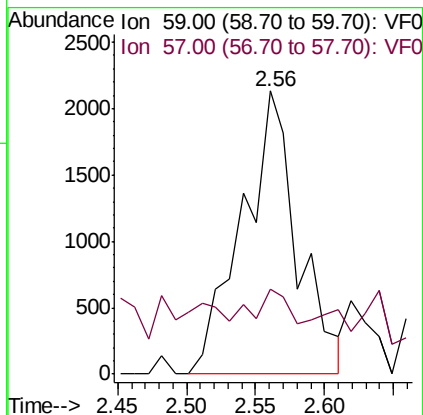
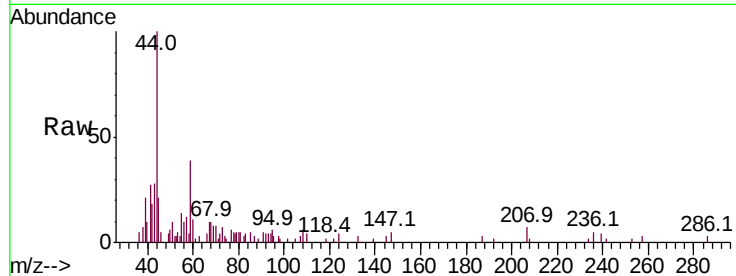


#11

Tert butyl alcohol
 Concen: 70.756 ug/l
 RT: 2.56 min Scan# 206
 Delta R.T. 0.00 min
 Lab File: VF062159.D
 Acq: 4 Apr 2019 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

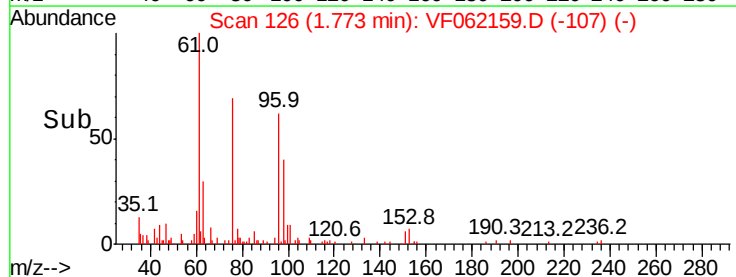
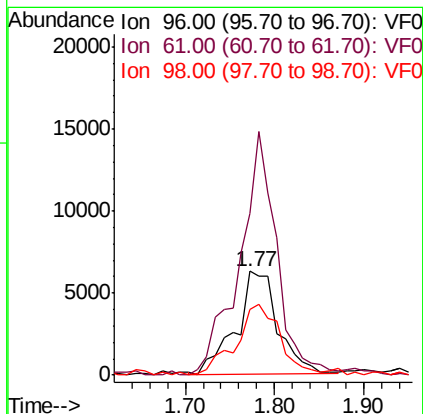
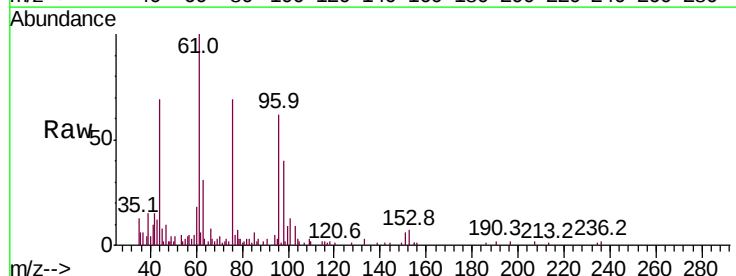
Tot Ion: 59 Resp: 5982
 Ion Ratio Lower Upper
 59 100
 57 29.9 9.5 14.3#

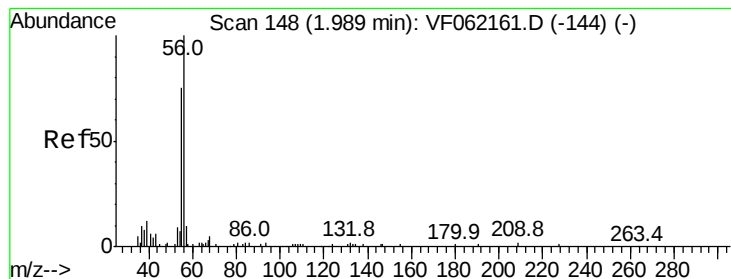


#12

1,1-Dichloroethene
 Concen: 10.590 ug/l
 RT: 1.77 min Scan# 126
 Delta R.T. -0.01 min
 Lab File: VF062159.D
 Acq: 4 Apr 2019 16:08

Tgt Ion: 96 Resp: 20391
 Ion Ratio Lower Upper
 96 100
 61 156.7 161.8 242.6#
 98 63.1 49.2 73.8





#13

Acrolein

Concen: 50.209 ug/l

RT: 2.00 min Scan# 149

Delta R.T. 0.01 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

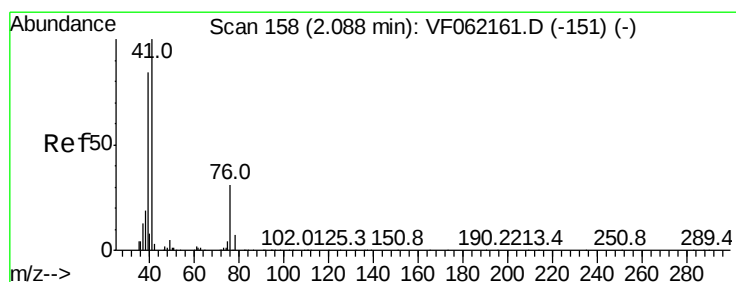
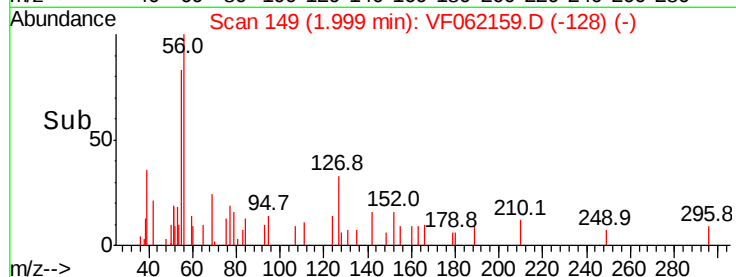
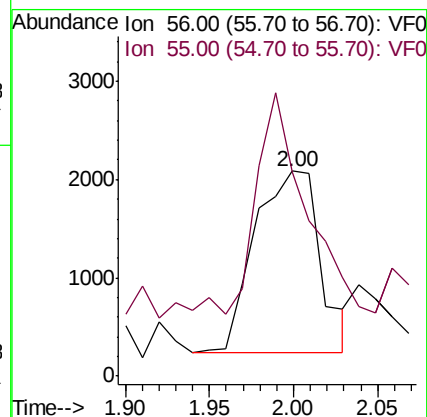
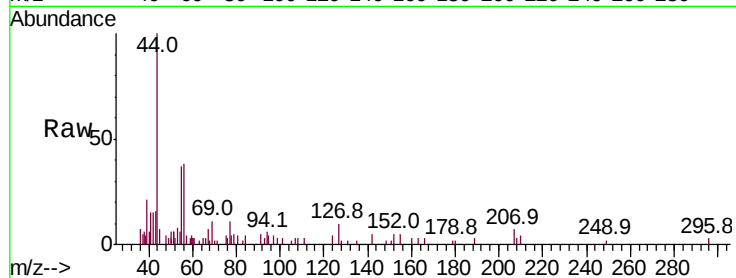
VSTDIC010

Tot Ion: 56 Resp: 5009

Ion Ratio Lower Upper

56 100

55 99.3 63.5 95.3#



#14

Allyl chloride

Concen: 15.415 ug/l

RT: 2.09 min Scan# 158

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

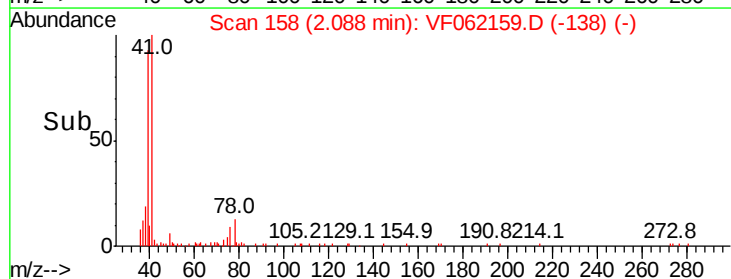
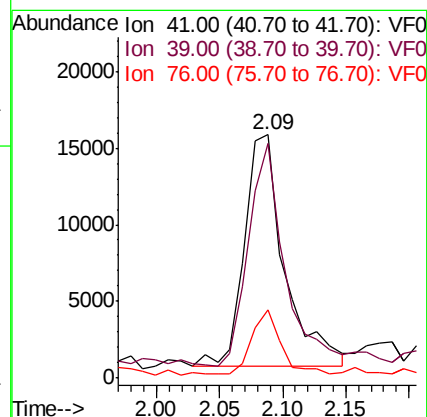
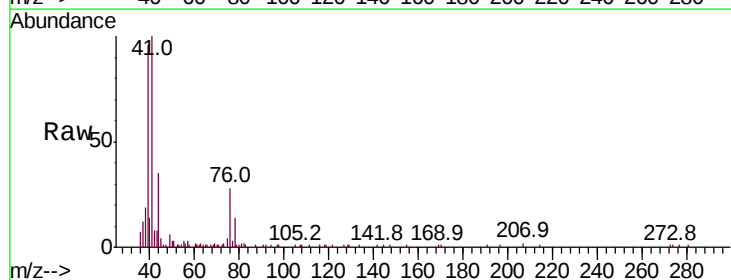
Tgt Ion: 41 Resp: 33155

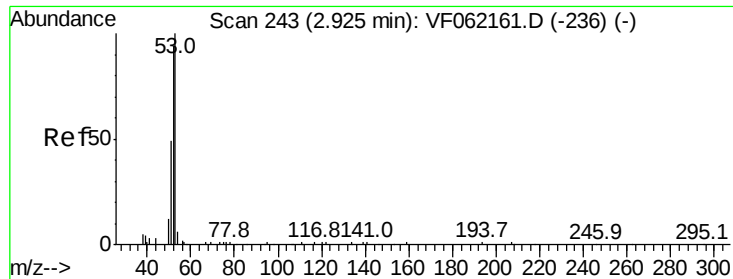
Ion Ratio Lower Upper

41 100

39 96.5 67.6 101.4

76 28.1 25.7 38.5





#15

Acrylonitrile

Concen: 55.030 ug/l

RT: 2.92 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

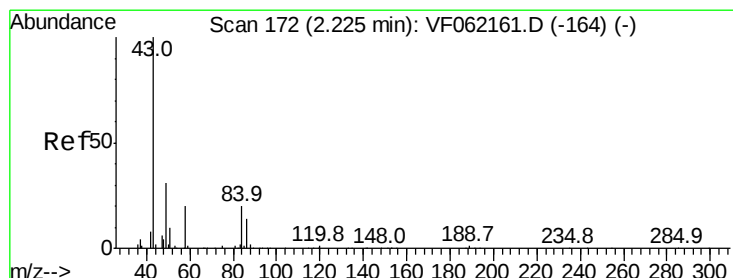
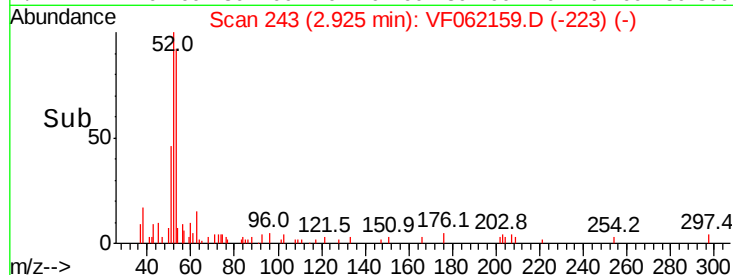
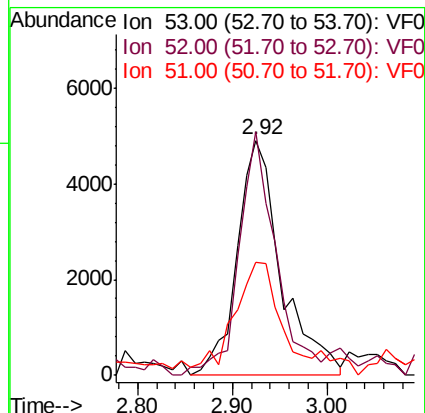
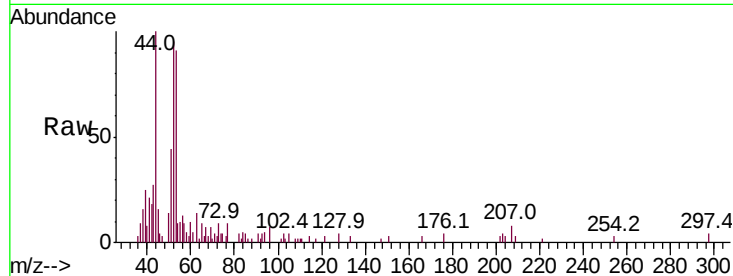
Tot Ion: 53 Resp: 15847

Ion Ratio Lower Upper

53 100

52 103.8 75.5 113.3

51 48.0 39.7 59.5



#16

Acetone

Concen: 63.638 ug/l

RT: 2.23 min Scan# 172

Delta R.T. 0.00 min

Lab File: VF062159.D

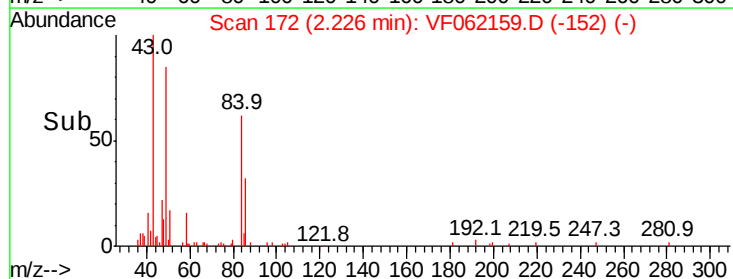
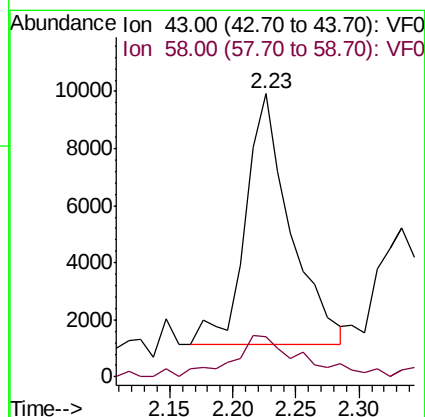
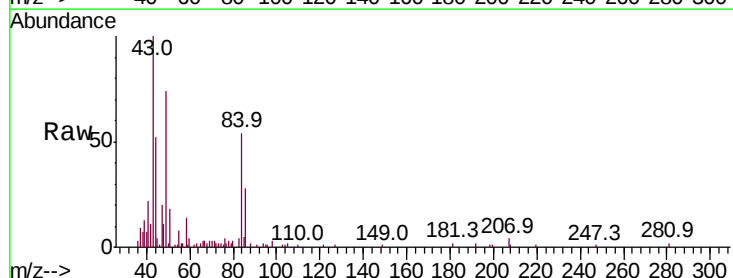
Acq: 4 Apr 2019 16:08

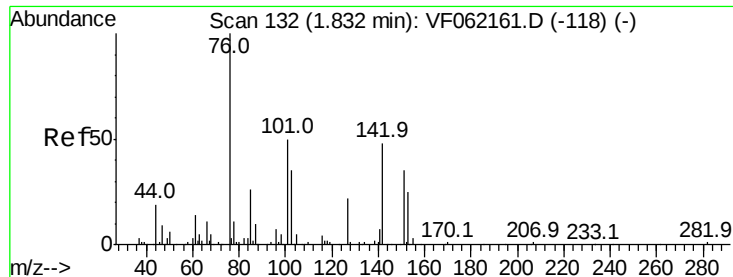
Tgt Ion: 43 Resp: 21505

Ion Ratio Lower Upper

43 100

58 14.1 15.7 23.5#





#17

Carbon Disulfide

Concen: 11.956 ug/l

RT: 1.82 min Scan# 131

Delta R.T. -0.01 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

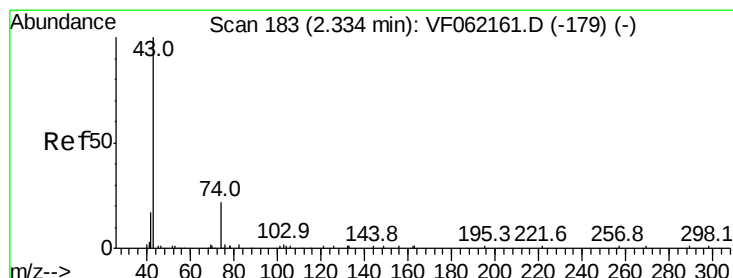
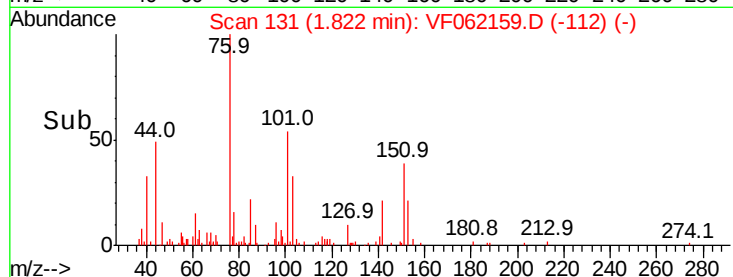
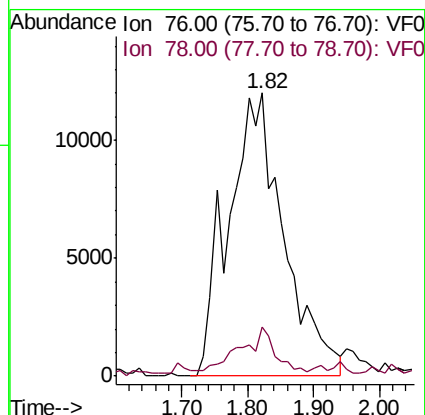
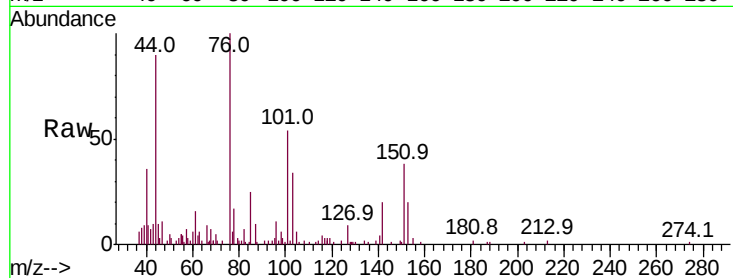
VSTDIC010

Tot Ion: 76 Resp: 70416

Ion Ratio Lower Upper

76 100

78 17.5 8.6 13.0#



#18

Methyl Acetate

Concen: 15.309 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF062159.D

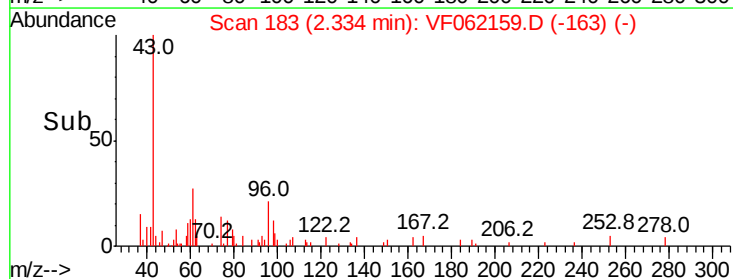
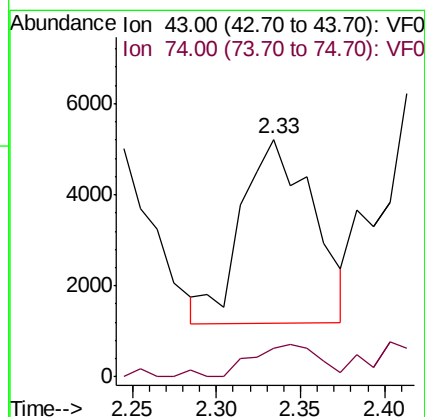
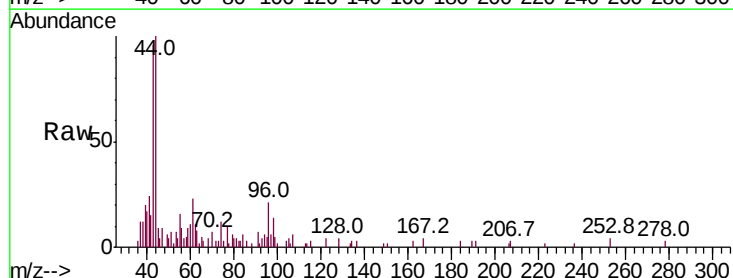
Acq: 4 Apr 2019 16:08

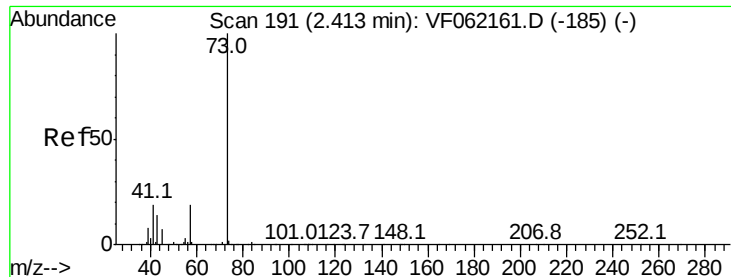
Tgt Ion: 43 Resp: 11908

Ion Ratio Lower Upper

43 100

74 12.3 14.3 21.5#



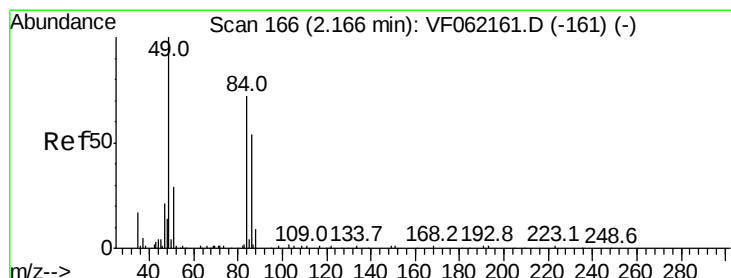
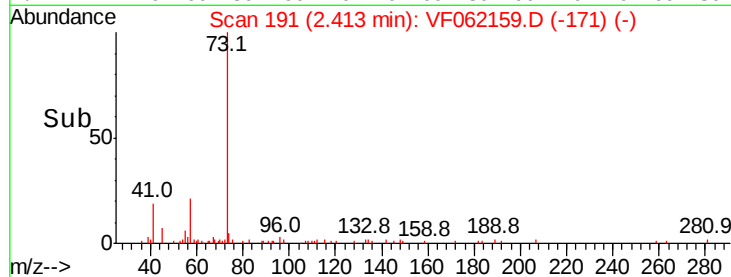
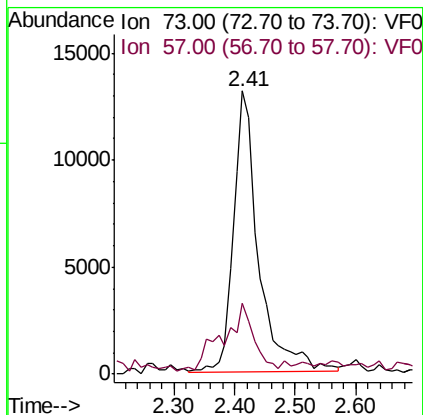
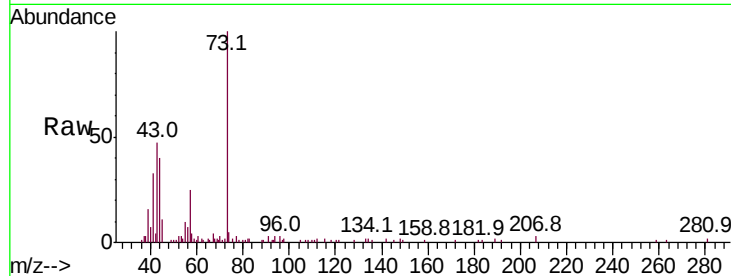


#19

Methyl tert-butyl Ether
 Concen: 12.039 ug/l
 RT: 2.41 min Scan# 191
 Delta R.T. 0.00 min
 Lab File: VF062159.D
 Acq: 4 Apr 2019 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

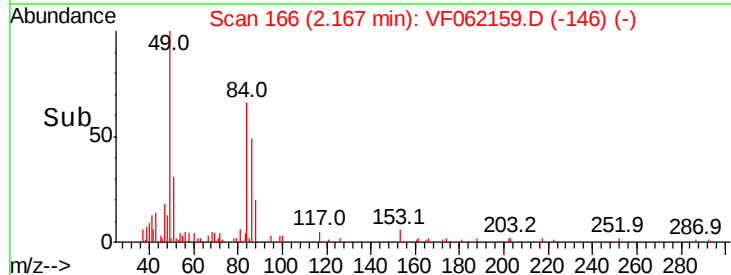
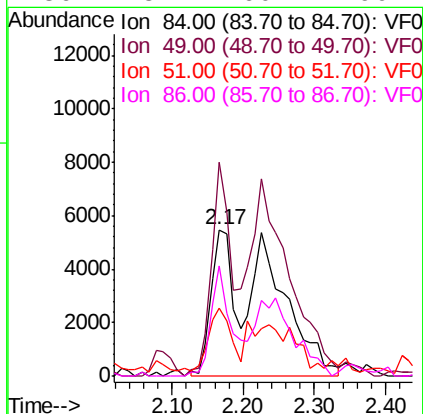
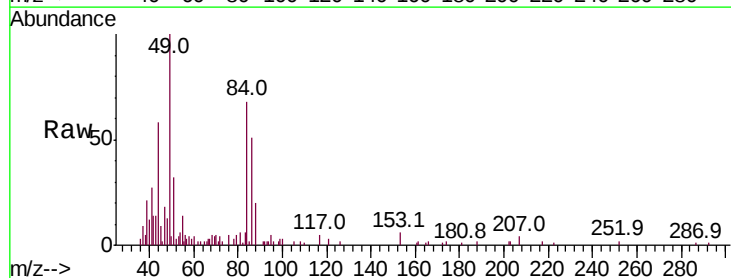
Tot Ion: 73 Resp: 37856
 Ion Ratio Lower Upper
 73 100
 57 24.8 17.4 26.0

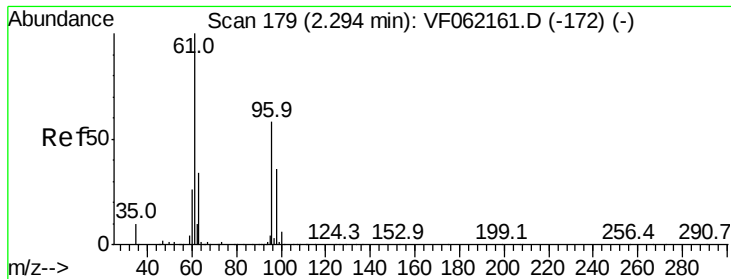


#20

Methylene Chloride
 Concen: 14.033 ug/l m
 RT: 2.17 min Scan# 166
 Delta R.T. 0.00 min
 Lab File: VF062159.D
 Acq: 4 Apr 2019 16:08

Tgt Ion: 84 Resp: 30635
 Ion Ratio Lower Upper
 84 100
 49 146.4 112.6 168.8
 51 46.9 33.4 50.2
 86 75.1 60.1 90.1





#21

trans-1,2-Dichloroethene

Concen: 12.797 ug/l

RT: 2.29 min Scan# 179

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

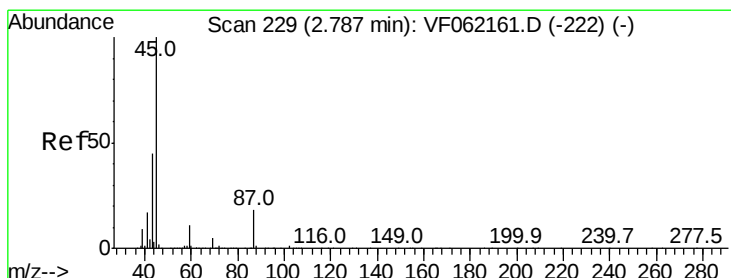
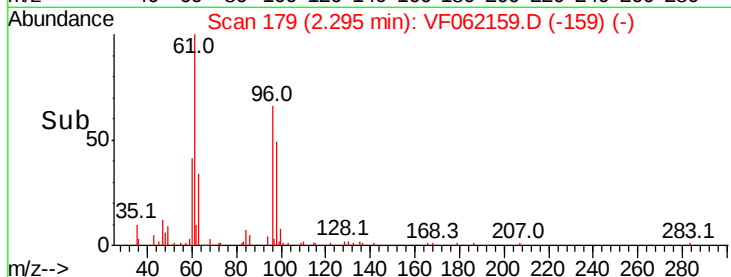
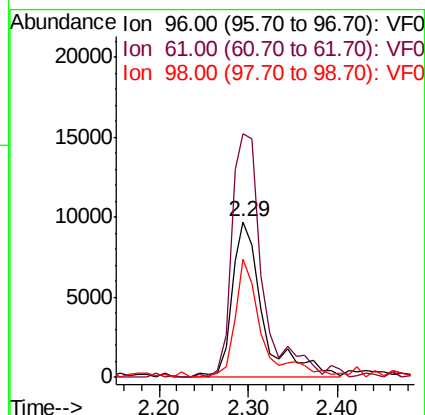
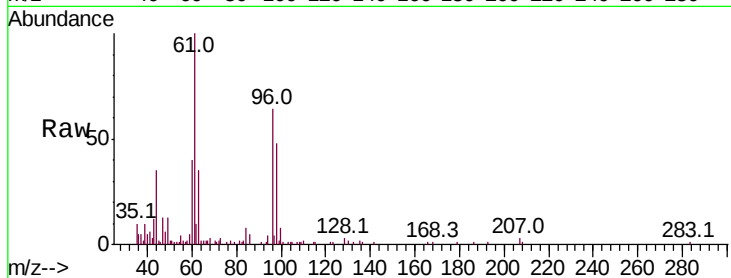
Tot Ion: 96 Resp: 23908

Ion Ratio Lower Upper

96 100

61 156.7 137.4 206.0

98 75.8 49.4 74.0#



#22

Diisopropyl ether

Concen: 12.627 ug/l

RT: 2.79 min Scan# 229

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Tgt Ion: 45 Resp: 69735

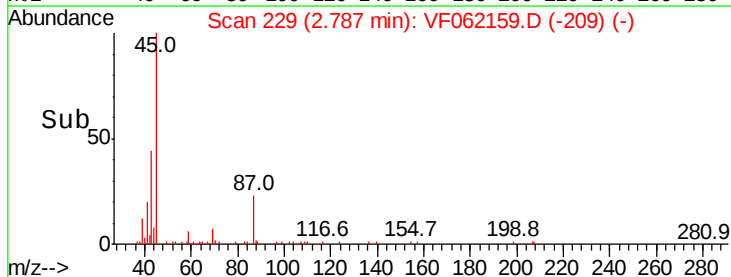
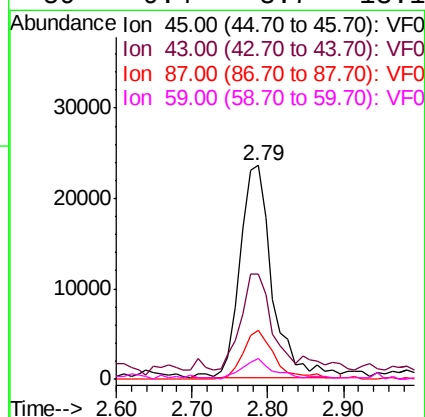
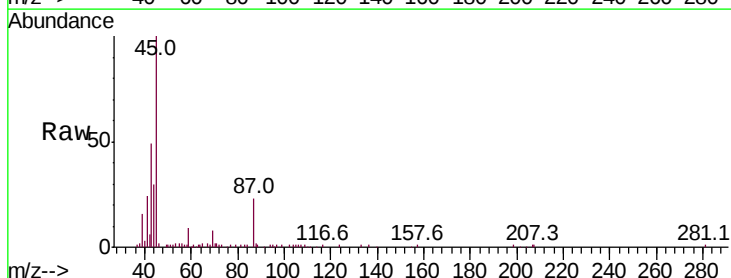
Ion Ratio Lower Upper

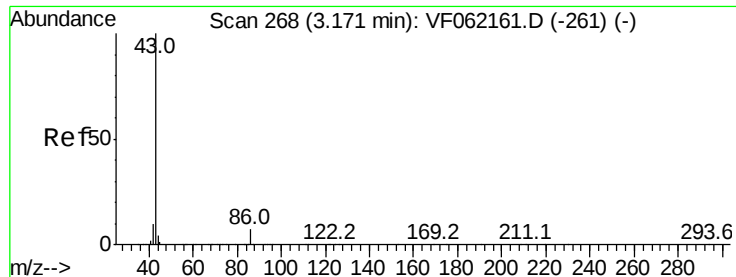
45 100

43 49.2 37.4 56.2

87 22.9 14.3 21.5#

59 9.4 8.7 13.1





#23

Vinyl Acetate

Concen: 62.666 ug/l

RT: 3.17 min Scan# 268

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

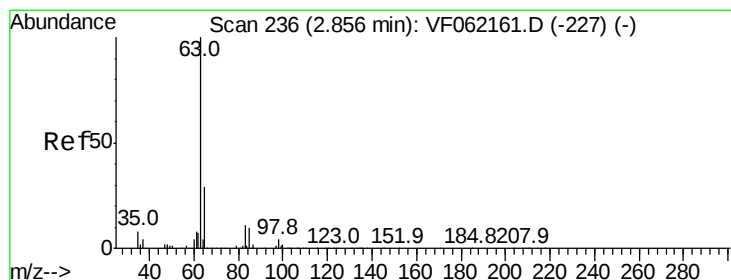
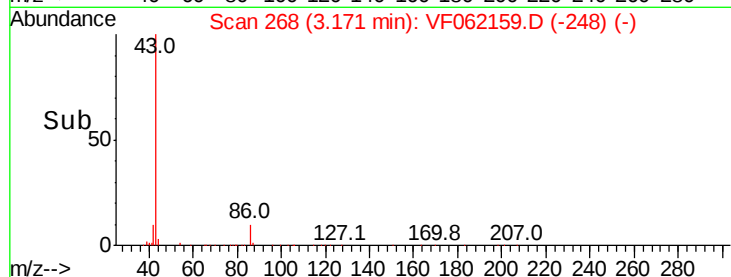
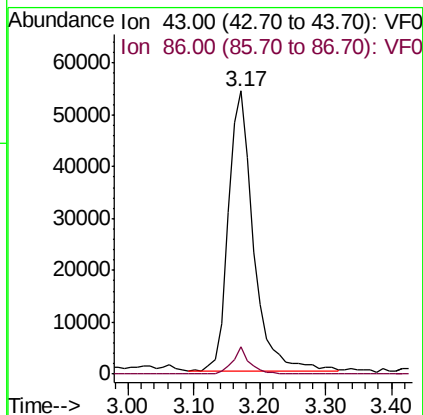
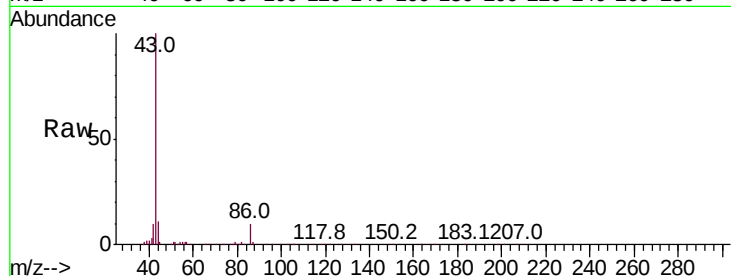
VSTDIC010

Tot Ion: 43 Resp: 144541

Ion Ratio Lower Upper

43 100

86 9.7 5.7 8.5#



#24

1,1-Dichloroethane

Concen: 11.880 ug/l

RT: 2.85 min Scan# 235

Delta R.T. -0.01 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

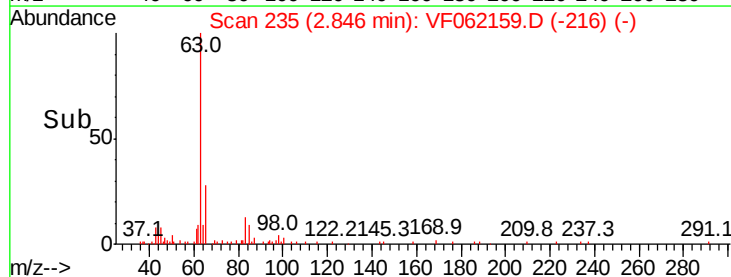
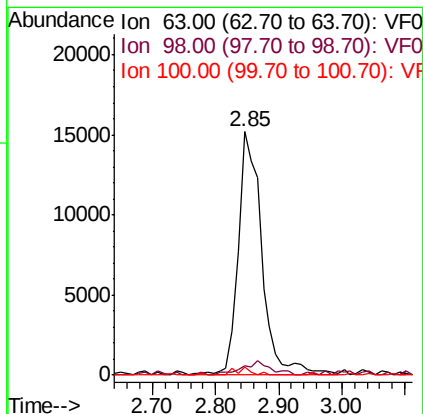
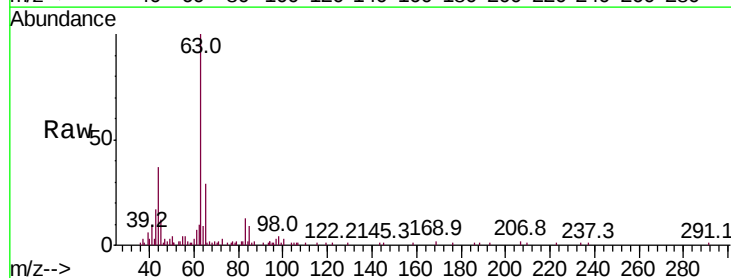
Tgt Ion: 63 Resp: 39301

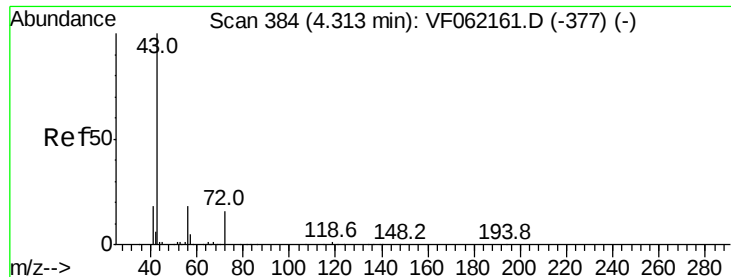
Ion Ratio Lower Upper

63 100

98 3.8 2.0 6.0

100 3.2 1.0 3.0#





#25

2-Butanone

Concen: 61.964 ug/l

RT: 4.31 min Scan# 384

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

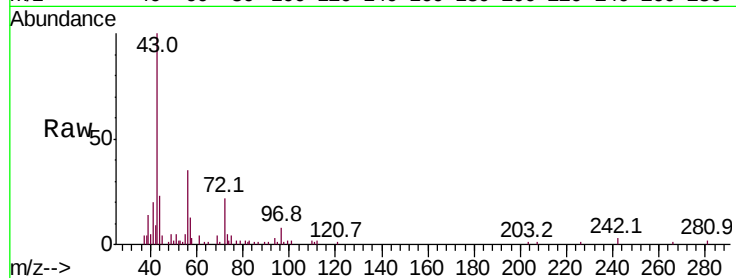
VSTDIC010

Tot Ion: 43 Resp: 41401

Ion Ratio Lower Upper

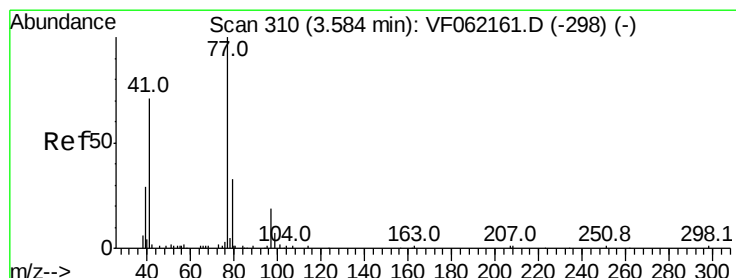
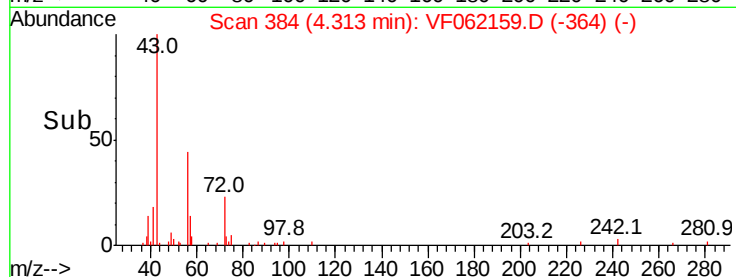
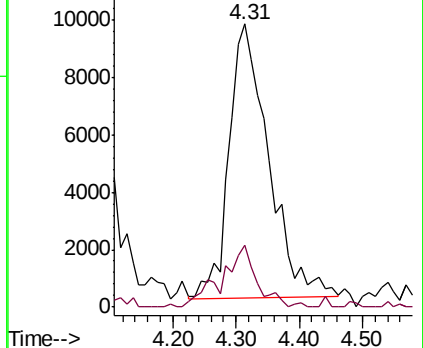
43 100

72 21.9 16.4 24.6



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 16.333 ug/l

RT: 3.57 min Scan# 309

Delta R.T. -0.01 min

Lab File: VF062159.D

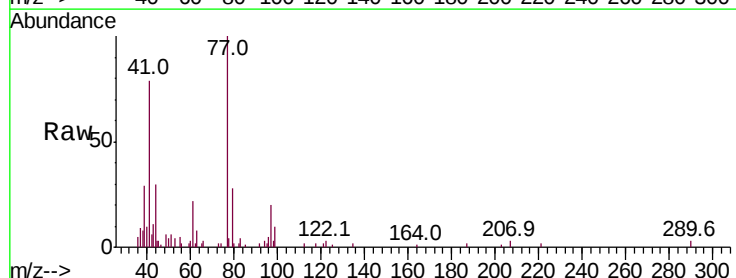
Acq: 4 Apr 2019 16:08

Tgt Ion: 77 Resp: 22895

Ion Ratio Lower Upper

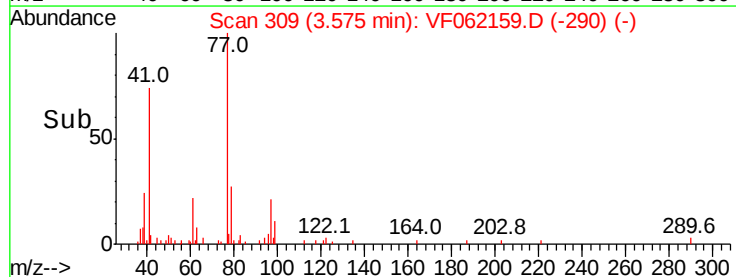
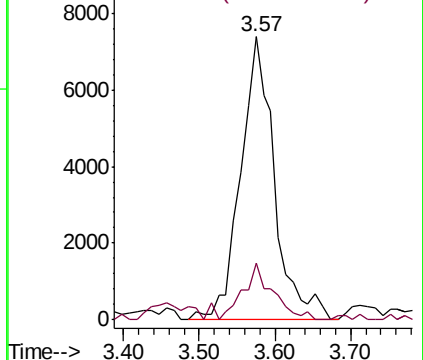
77 100

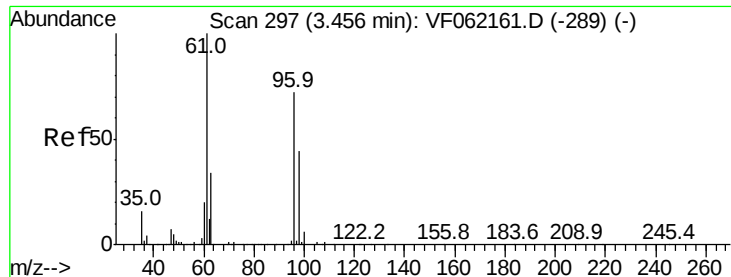
97 20.2 11.4 34.2



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



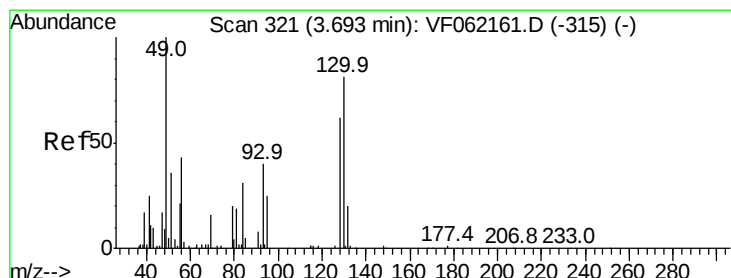
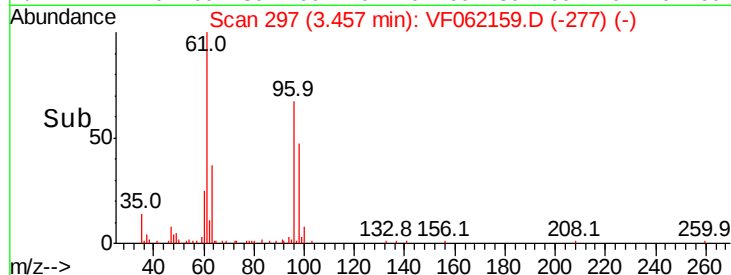
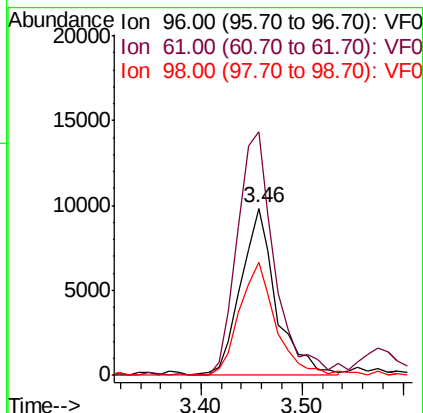
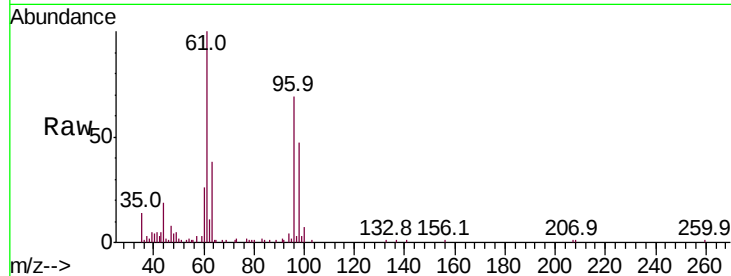


#27

cis-1,2-Dichloroethene
Concen: 9.792 ug/l
RT: 3.46 min Scan# 297
Delta R.T. 0.00 min
Lab File: VF062159.D
Acq: 4 Apr 2019 16:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

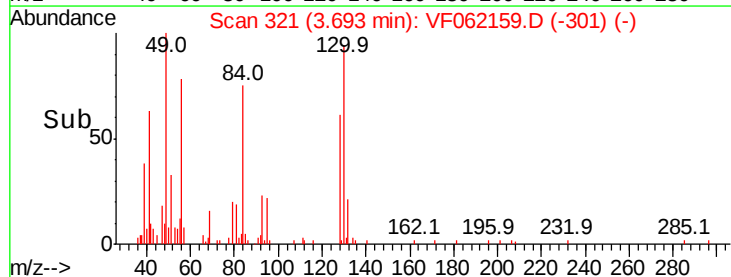
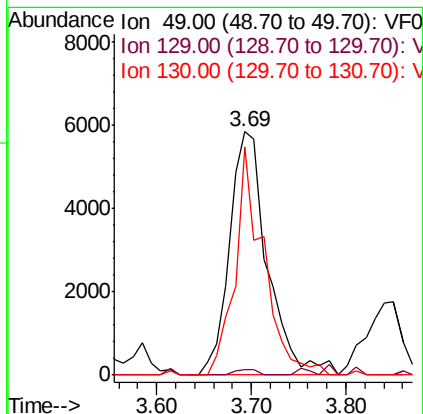
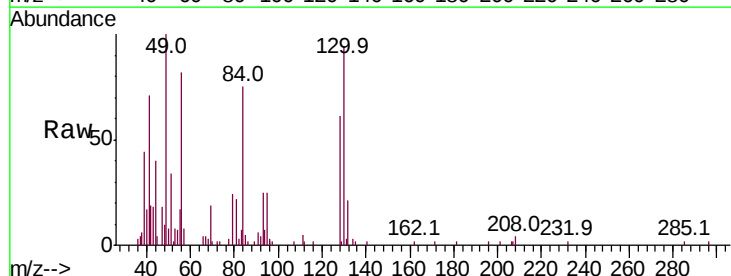
Tot Ion	Ratio	Lower	Upper
96	100		
61	145.6	0.0	278.2
98	67.7	0.0	122.2

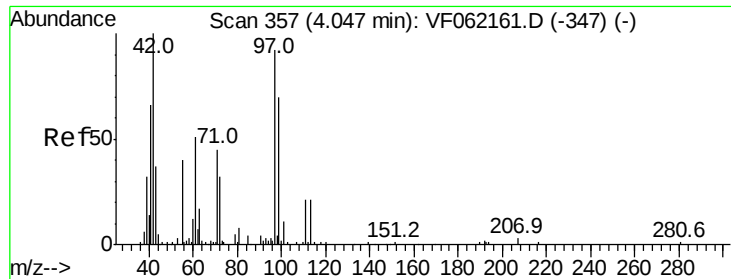


#28

Bromochloromethane
Concen: 11.652 ug/l
RT: 3.69 min Scan# 321
Delta R.T. 0.00 min
Lab File: VF062159.D
Acq: 4 Apr 2019 16:08

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	0.0#
130	93.8	65.0	97.4

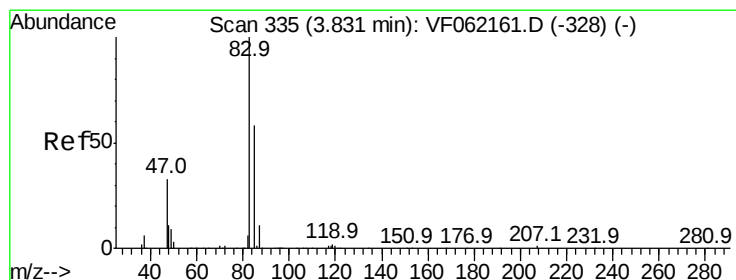
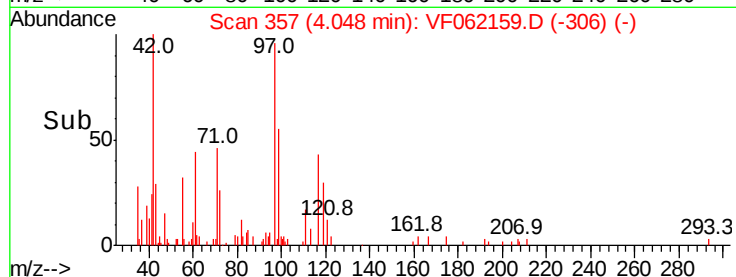
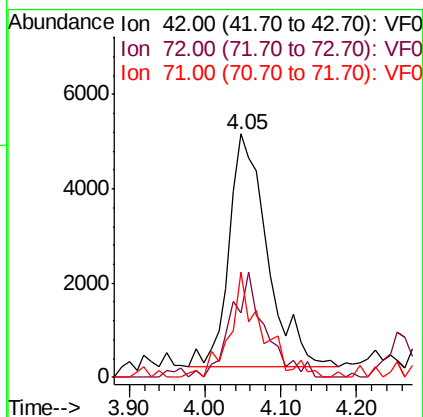
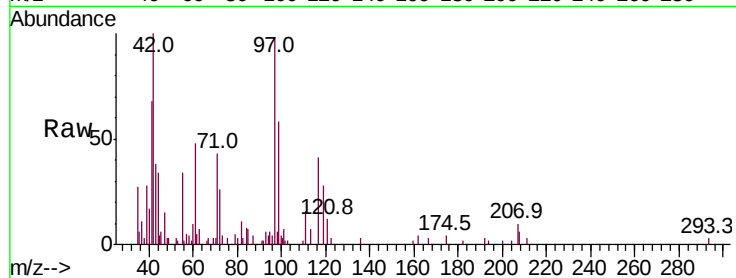




#29
Tetrahydrofuran
Concen: 60.191 ug/l
RT: 4.05 min Scan# 357
Delta R.T. 0.00 min
Lab File: VF062159.D
Acq: 4 Apr 2019 16:08

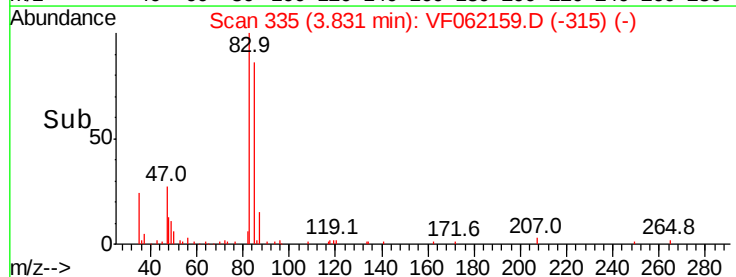
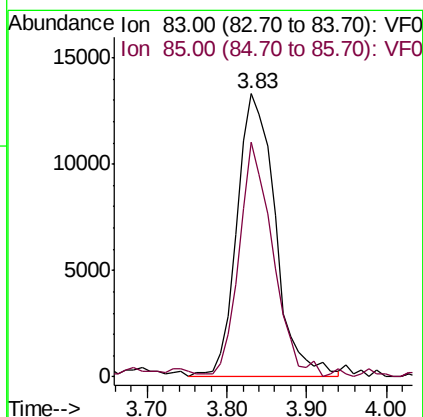
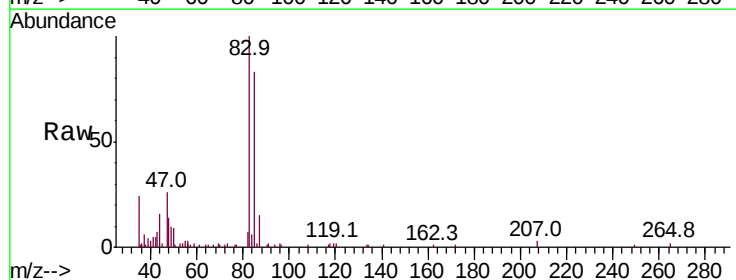
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

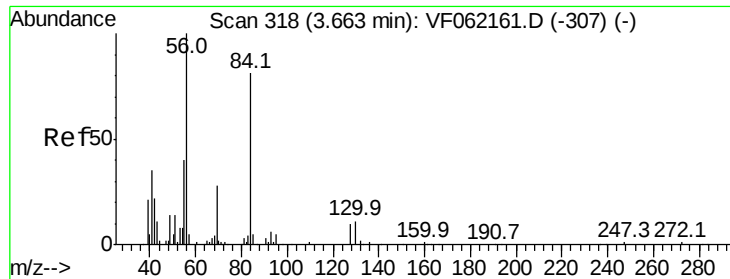
Tot Ion: 42 Resp: 17425
Ion Ratio Lower Upper
42 100
72 40.0 30.9 46.3
71 35.3 32.0 48.0



#30
Chloroform
Concen: 12.426 ug/l
RT: 3.83 min Scan# 335
Delta R.T. 0.00 min
Lab File: VF062159.D
Acq: 4 Apr 2019 16:08

Tgt Ion: 83 Resp: 44356
Ion Ratio Lower Upper
83 100
85 82.8 46.9 70.3#

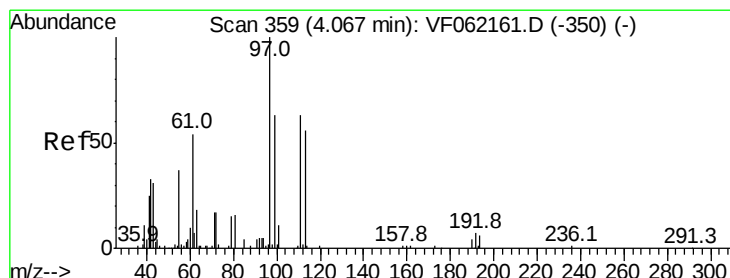
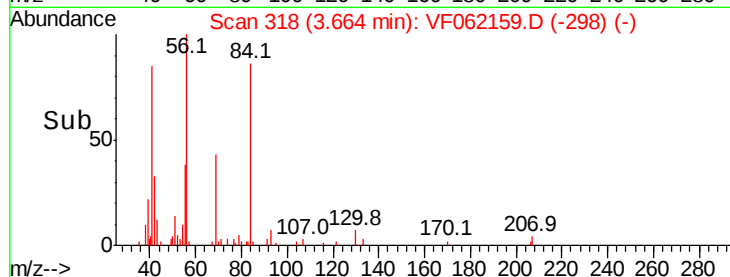
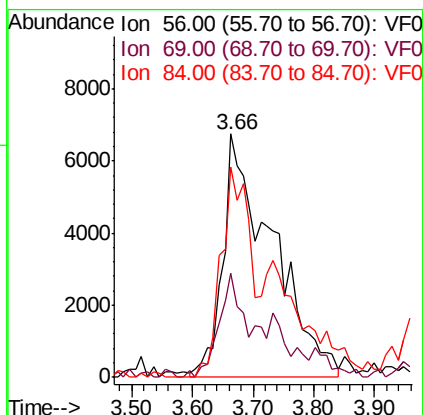
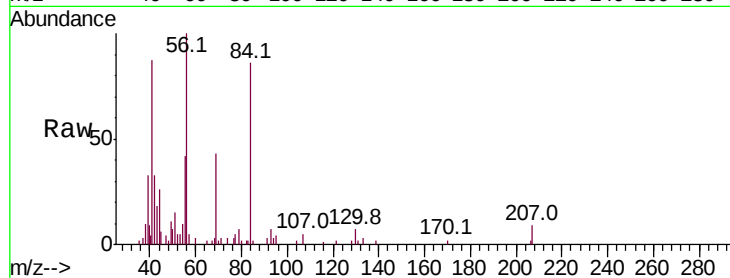




#31
Cyclohexane
Concen: 11.310 ug/l m
RT: 3.66 min Scan# 318
Delta R.T. 0.00 min
Lab File: VF062159.D
Acq: 4 Apr 2019 16:08

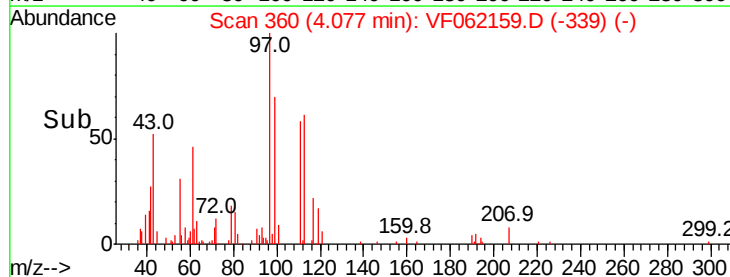
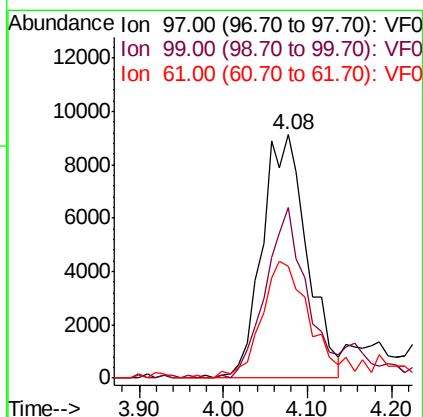
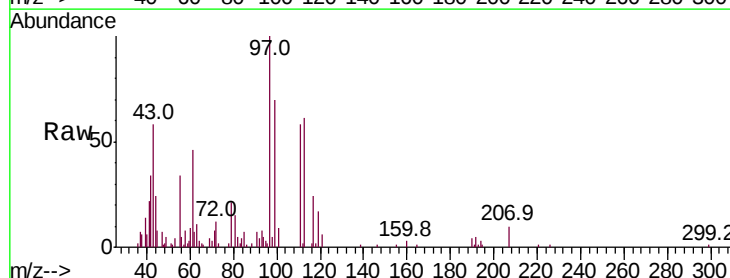
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

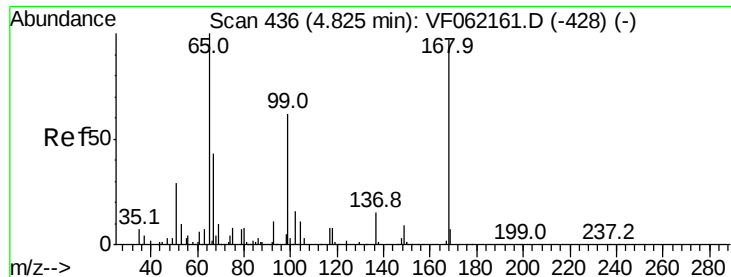
Tot Ion: 56 Resp: 38265
Ion Ratio Lower Upper
56 100
69 42.8 23.0 34.4#
84 86.4 64.4 96.6



#32
1,1,1-Trichloroethane
Concen: 14.919 ug/l
RT: 4.08 min Scan# 360
Delta R.T. 0.01 min
Lab File: VF062159.D
Acq: 4 Apr 2019 16:08

Tgt Ion: 97 Resp: 34074
Ion Ratio Lower Upper
97 100
99 70.3 50.2 75.2
61 45.8 43.5 65.3





#33

1,2-Dichloroethane-d4

Concen: 13.717 ug/l

RT: 4.82 min Scan# 435

Delta R.T. -0.01 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

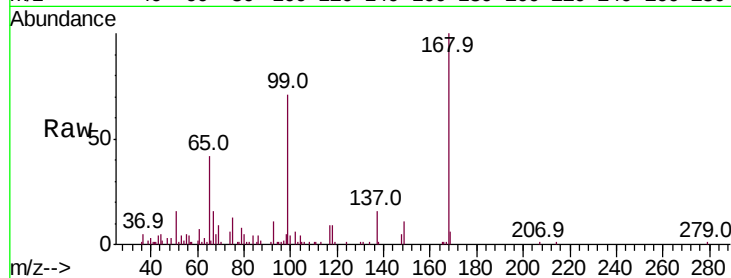
VSTDIC010

Tot Ion: 65 Resp: 22586

Ion Ratio Lower Upper

65 100

67 38.4 0.0 96.0



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

10000

8000

6000

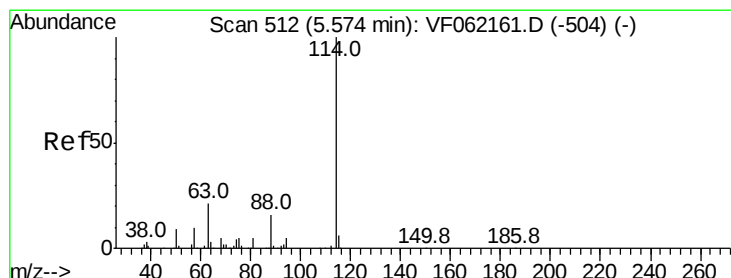
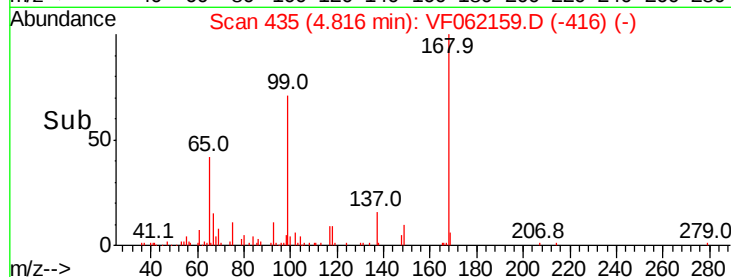
4000

2000

0

4.70 4.75 4.80 4.85 4.90

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.57 min Scan# 512

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

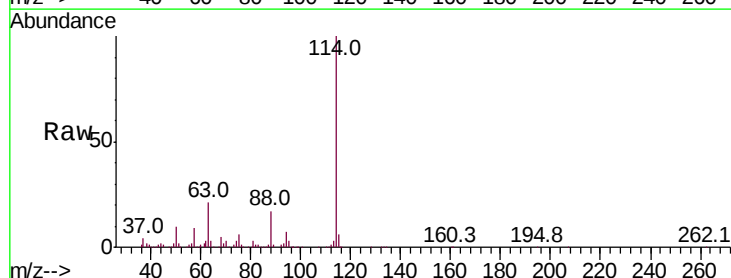
Tgt Ion:114 Resp: 323922

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.8

88 16.9 0.0 31.4



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0

150000

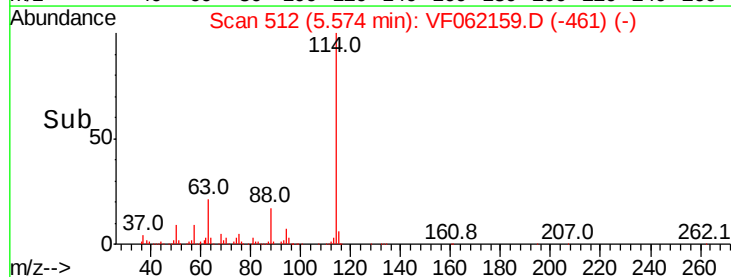
100000

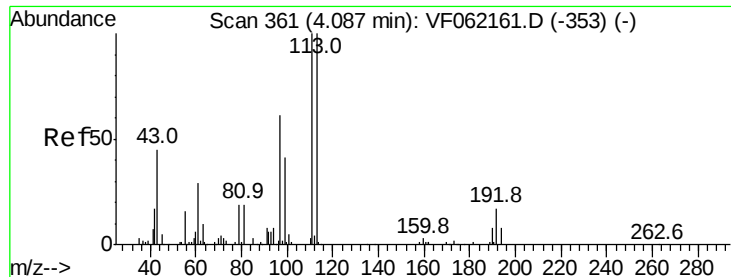
50000

0

5.40 5.50 5.60 5.70

Time-->





#35

Dibromofluoromethane

Concen: 10.172 ug/l

RT: 4.10 min Scan# 362

Delta R.T. 0.01 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

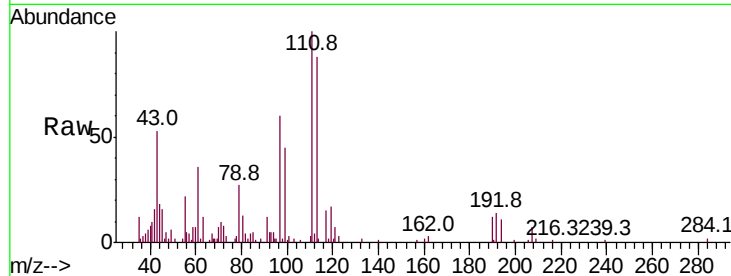
Tot Ion:113 Resp: 22721

Ion Ratio Lower Upper

113 100

111 111.2 79.8 119.6

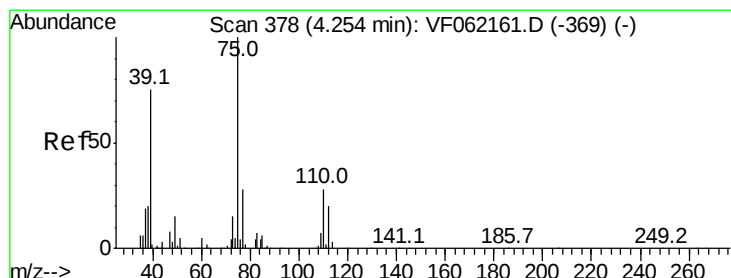
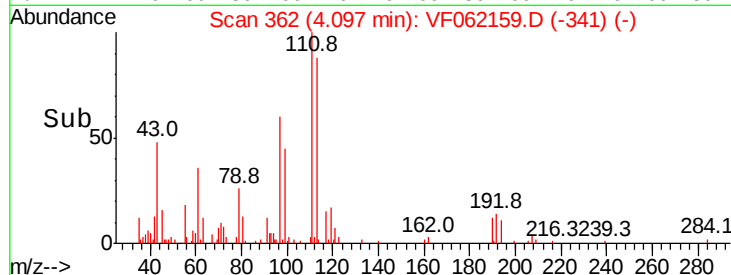
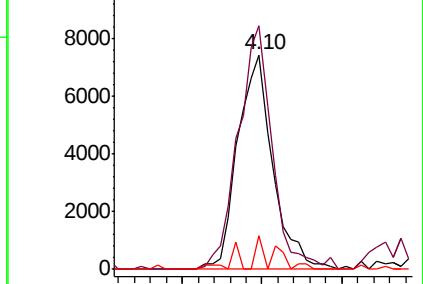
192 15.2 13.8 20.6



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: 12.140 ug/l

RT: 4.25 min Scan# 378

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

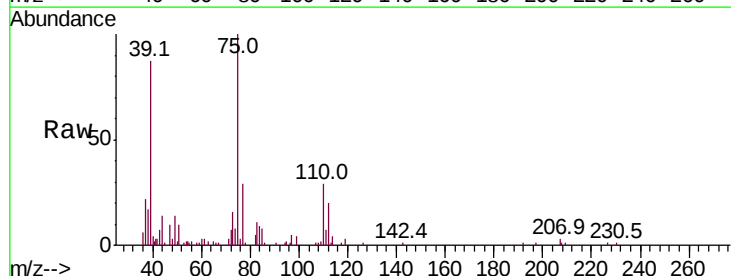
Tgt Ion: 75 Resp: 38301

Ion Ratio Lower Upper

75 100

110 28.9 13.9 41.7

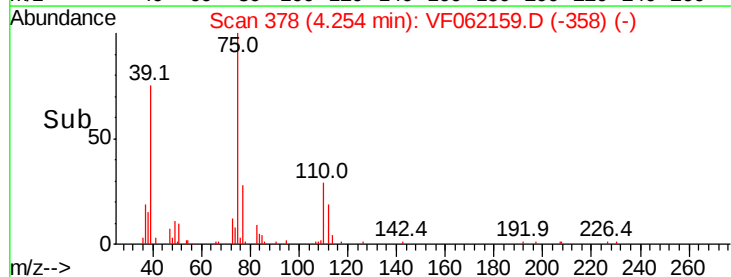
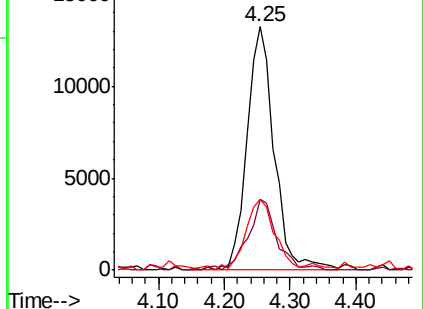
77 29.2 22.6 34.0

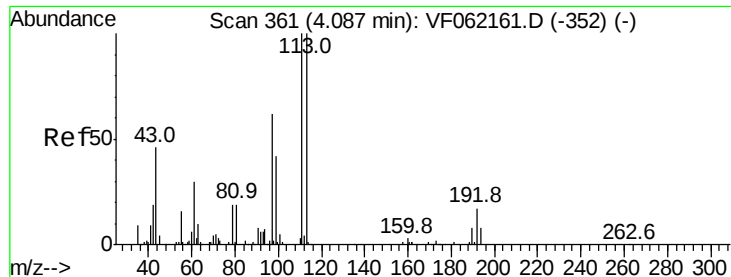


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 13.509 ug/l

RT: 4.08 min Scan# 360

Delta R.T. -0.01 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

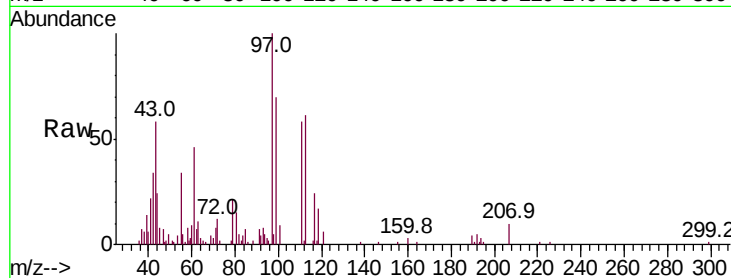
Tot Ion: 43 Resp: 18510

Ion Ratio Lower Upper

43 100

61 78.4 52.3 78.5

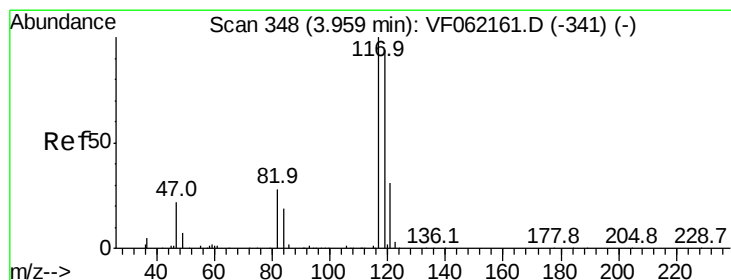
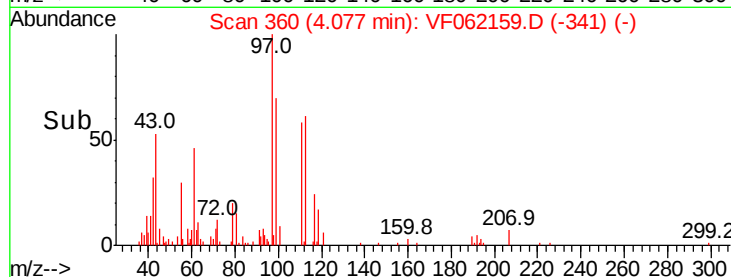
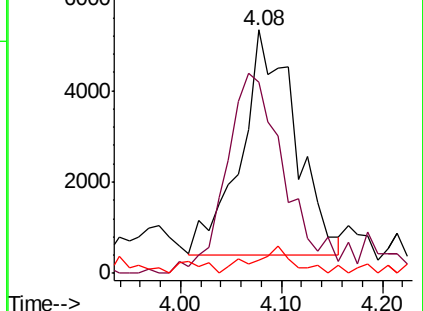
70 5.2 6.4 9.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 70.00 (69.70 to 70.70): VF0



#38

Carbon Tetrachloride

Concen: 14.626 ug/l

RT: 3.96 min Scan# 348

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

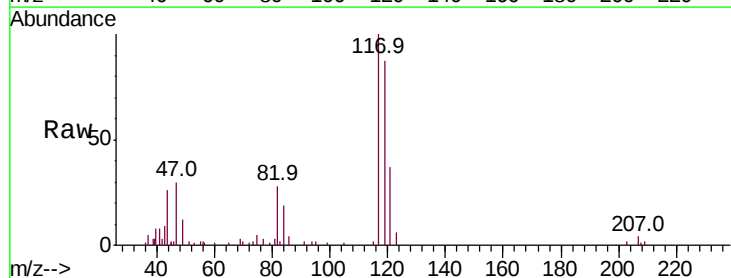
Tgt Ion:117 Resp: 32111

Ion Ratio Lower Upper

117 100

119 86.7 75.5 113.3

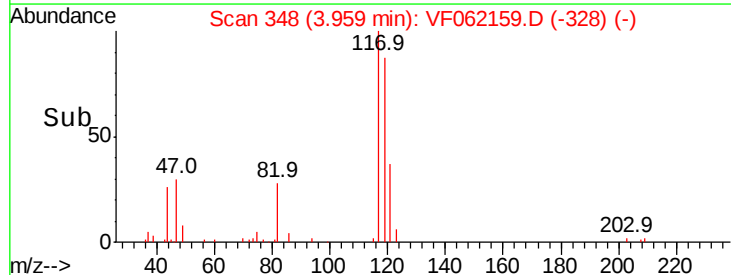
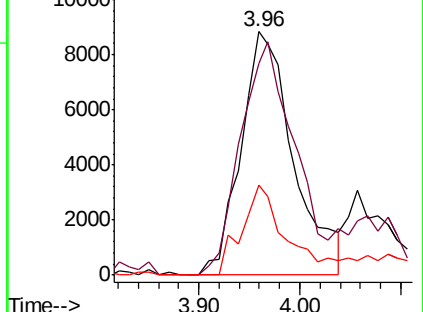
121 36.8 24.6 37.0

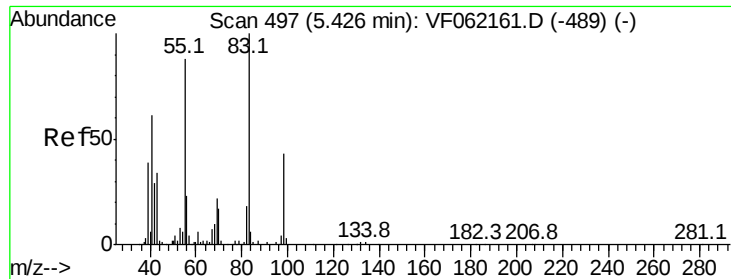


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

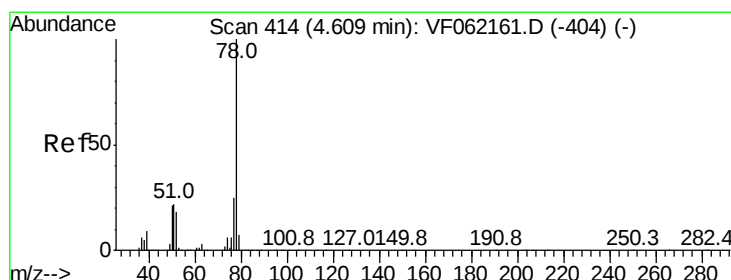
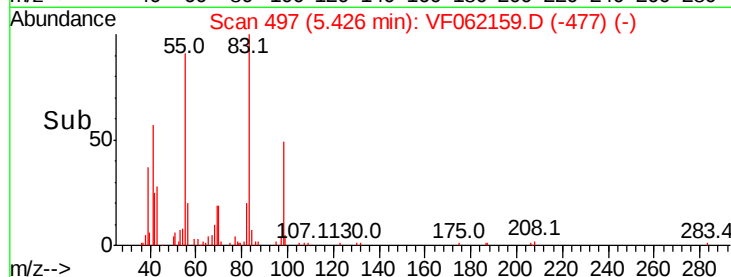
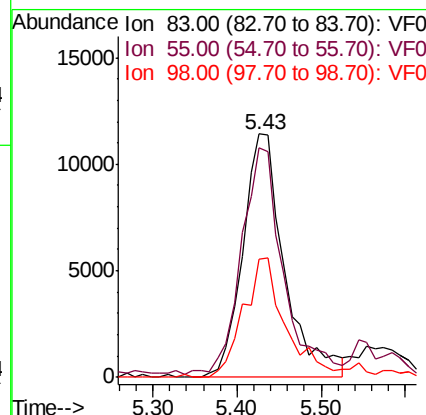
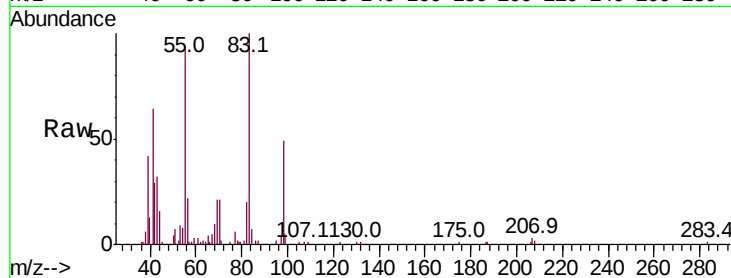




#39
Methvlcvclohexane
Concen: 11.307 ug/l
RT: 5.43 min Scan# 497
Delta R.T. 0.00 min
Lab File: VF062159.D
Acq: 4 Apr 2019 16:08

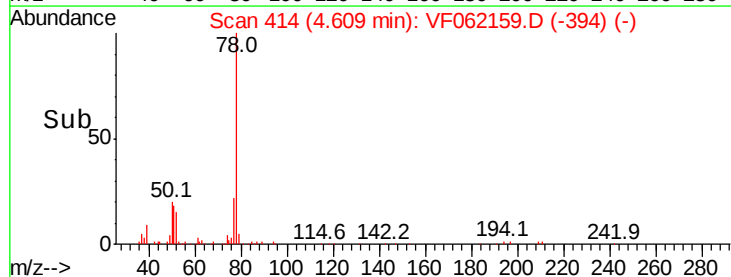
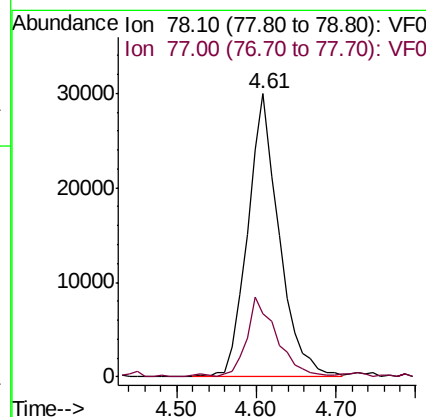
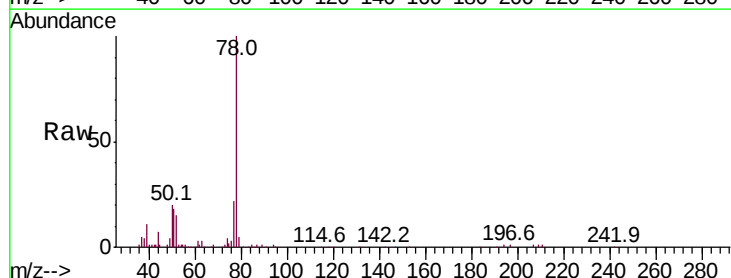
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

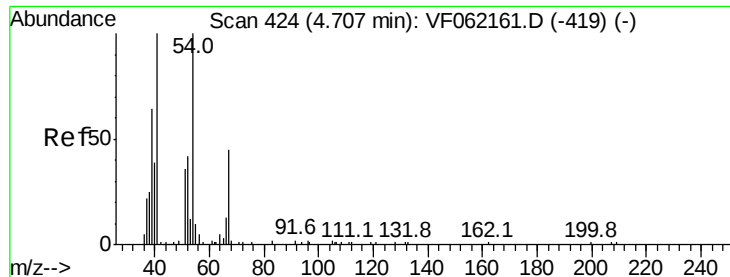
Tot Ion: 83 Resp: 39630
Ion Ratio Lower Upper
83 100
55 94.4 70.7 106.1
98 48.5 34.6 51.8



#40
Benzene
Concen: 9.944 ug/l
RT: 4.61 min Scan# 414
Delta R.T. 0.00 min
Lab File: VF062159.D
Acq: 4 Apr 2019 16:08

Tgt Ion: 78 Resp: 81172
Ion Ratio Lower Upper
78 100
77 22.2 19.9 29.9





#41

Methacrylonitrile

Concen: 11.624 ug/l

RT: 4.73 min Scan# 426

Delta R.T. 0.02 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 8466

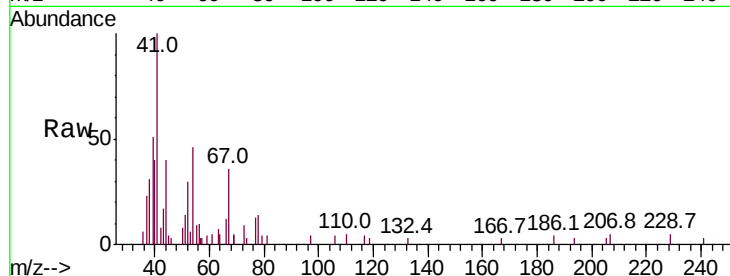
Ion Ratio Lower Upper

41 100

39 51.0 56.5 84.7#

67 36.0 35.7 53.5

52 30.2 42.2 63.4#

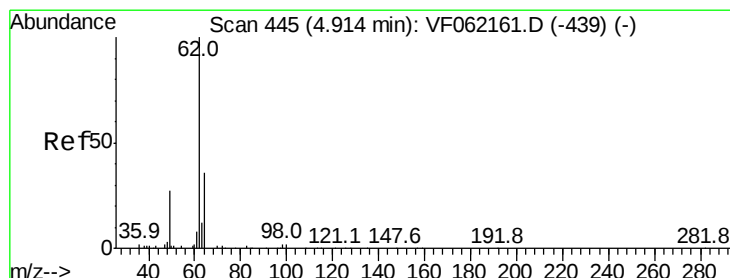
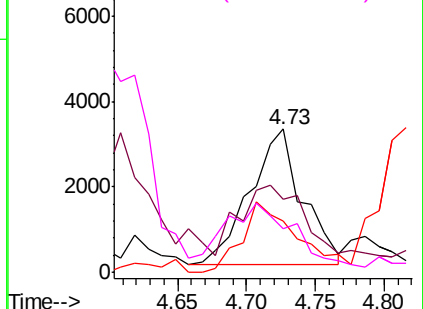
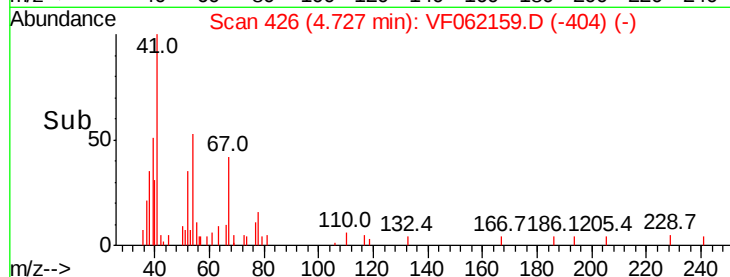


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#42

1,2-Dichloroethane

Concen: 14.832 ug/l

RT: 4.92 min Scan# 446

Delta R.T. 0.01 min

Lab File: VF062159.D

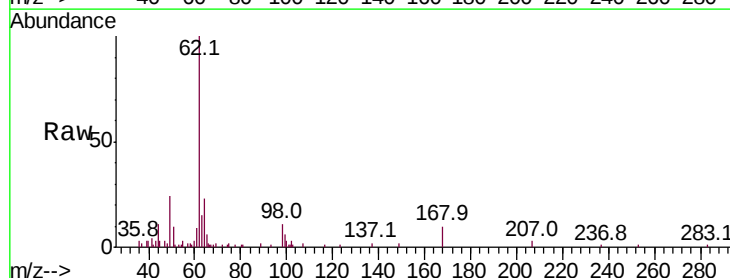
Acq: 4 Apr 2019 16:08

Tgt Ion: 62 Resp: 31028

Ion Ratio Lower Upper

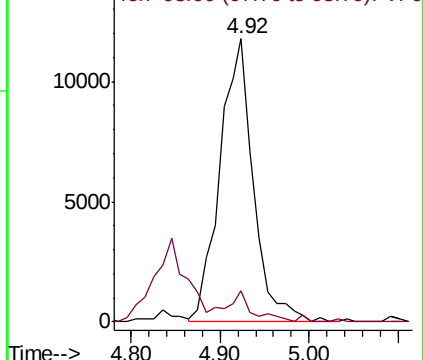
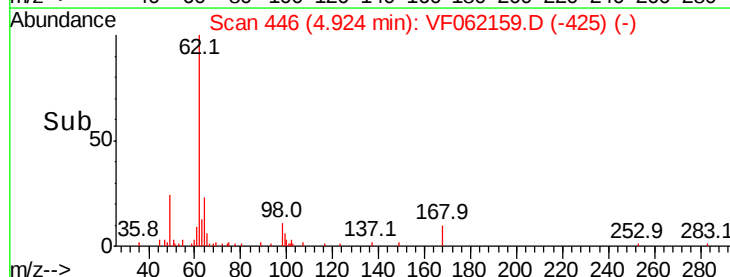
62 100

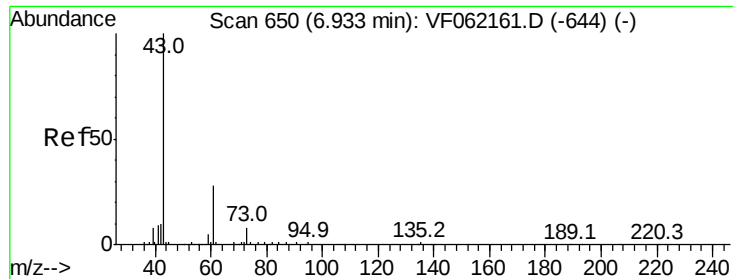
98 11.2 0.0 14.2



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



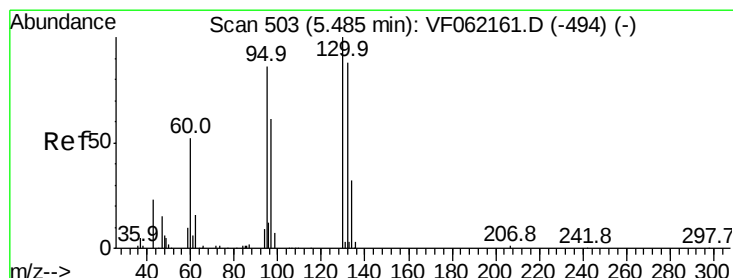
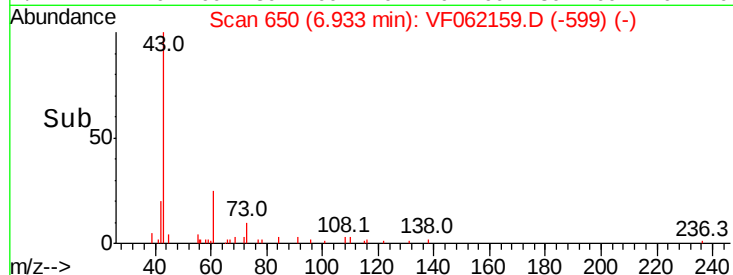
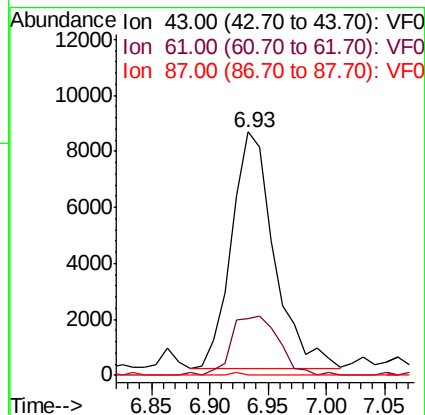
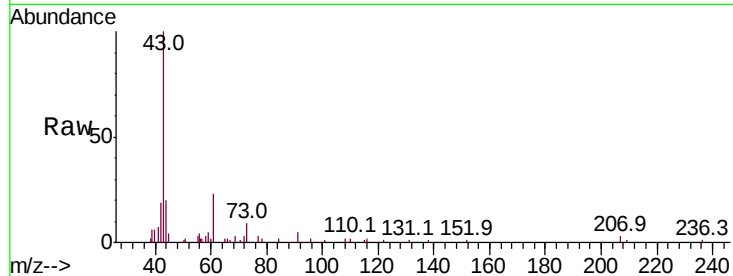


#43

Isopropyl Acetate
 Concen: 13.149 ug/l
 RT: 6.93 min Scan# 650
 Delta R.T. 0.00 min
 Lab File: VF062159.D
 Acq: 4 Apr 2019 16:08

Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

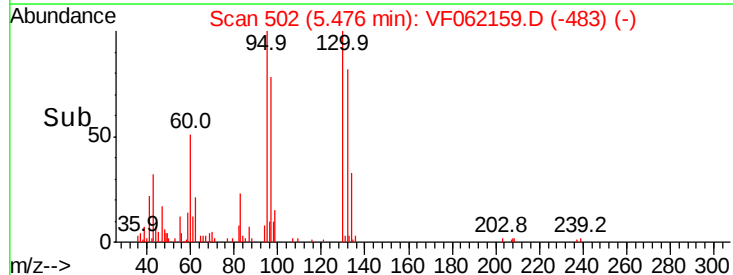
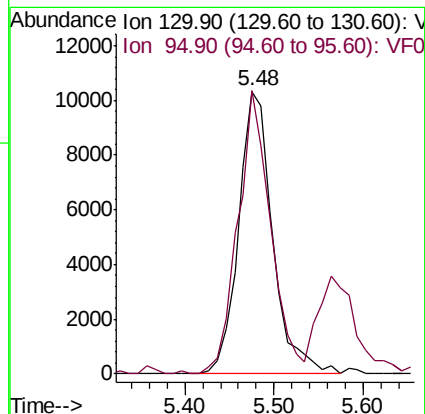
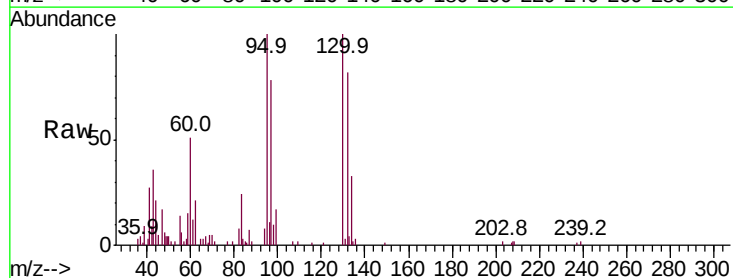
Tot Ion: 43 Resp: 21447
 Ion Ratio Lower Upper
 43 100
 61 23.3 22.5 33.7
 87 0.0 0.5 0.7#

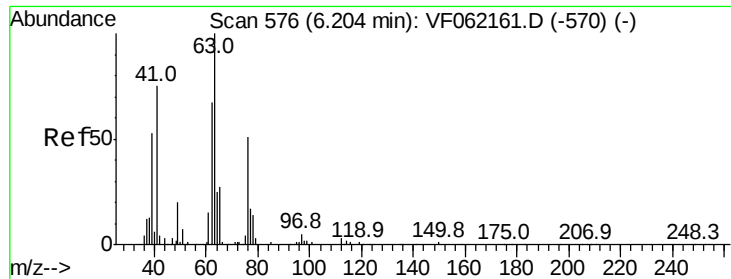


#44

Trichloroethene
 Concen: 10.924 ug/l
 RT: 5.48 min Scan# 502
 Delta R.T. -0.01 min
 Lab File: VF062159.D
 Acq: 4 Apr 2019 16:08

Tgt Ion: 130 Resp: 27341
 Ion Ratio Lower Upper
 130 100
 95 100.1 0.0 172.2





#45

1,2-Dichloropropane

Concen: 10.488 ug/l

RT: 6.20 min Scan# 576

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

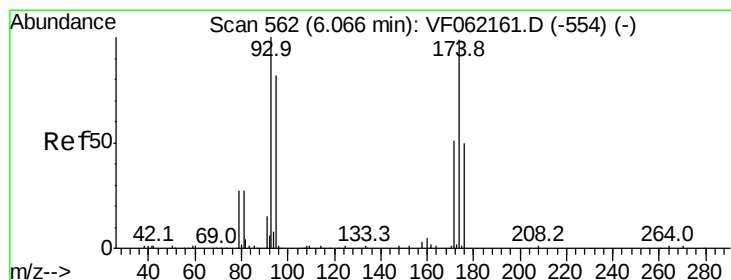
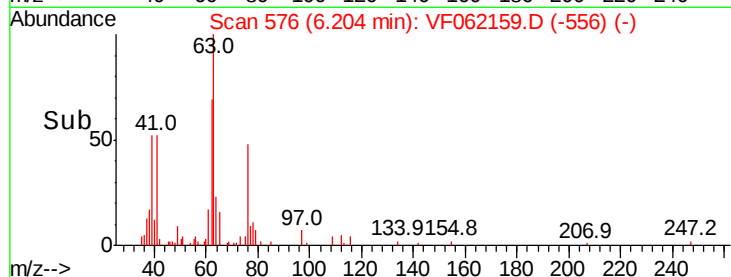
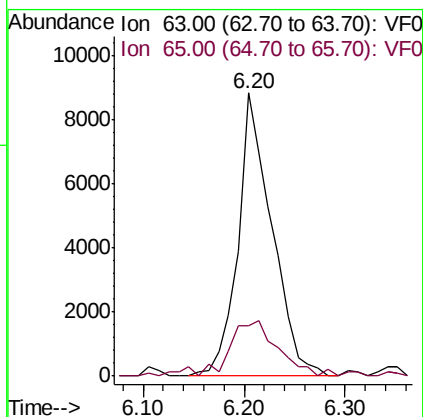
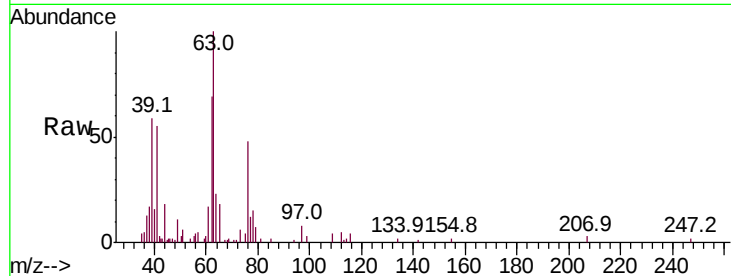
VSTDIC010

Tot Ion: 63 Resp: 20575

Ion Ratio Lower Upper

63 100

65 17.8 21.8 32.6#



#46

Dibromomethane

Concen: 10.530 ug/l

RT: 6.08 min Scan# 563

Delta R.T. 0.01 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

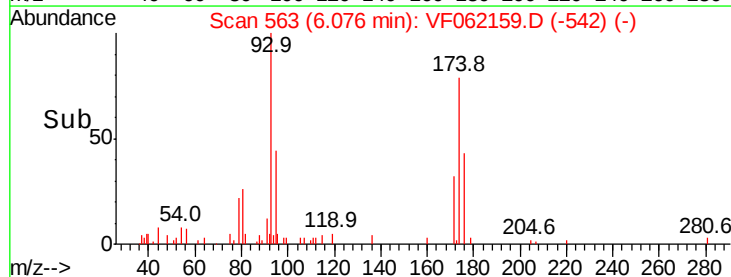
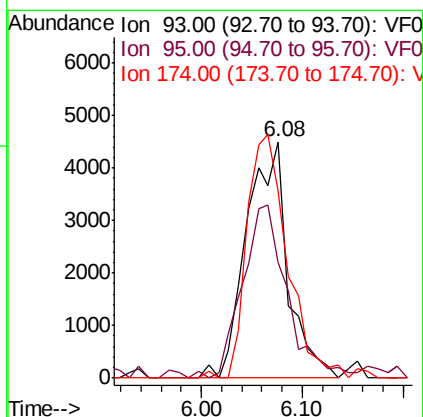
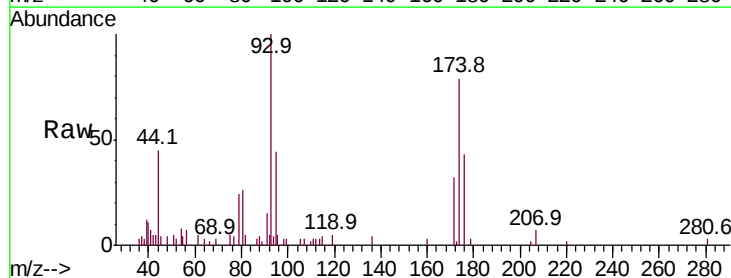
Tgt Ion: 93 Resp: 12784

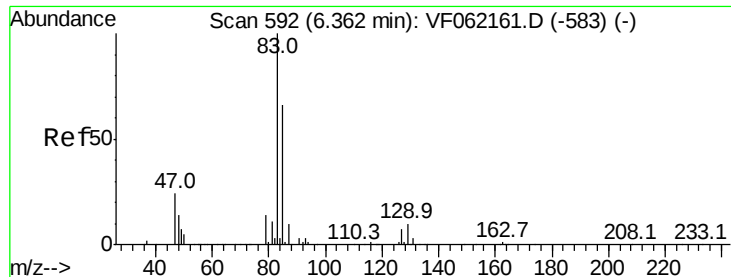
Ion Ratio Lower Upper

93 100

95 48.8 66.5 99.7#

174 79.3 79.2 118.8





#47

Bromodichloromethane

Concen: 13.066 ug/l

RT: 6.35 min Scan# 591

Delta R.T. -0.01 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

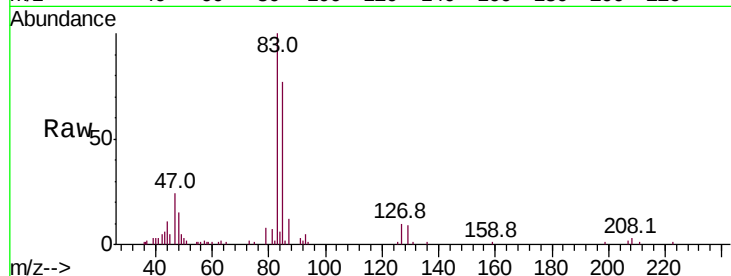
MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 83 Resp: 36279

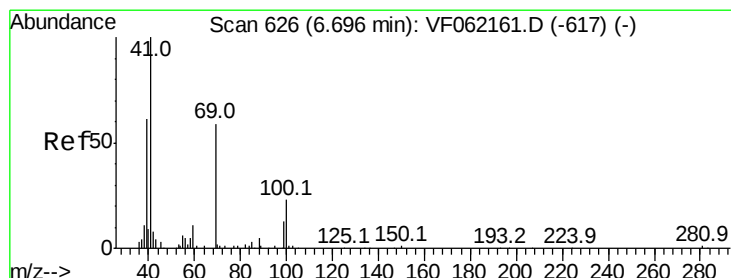
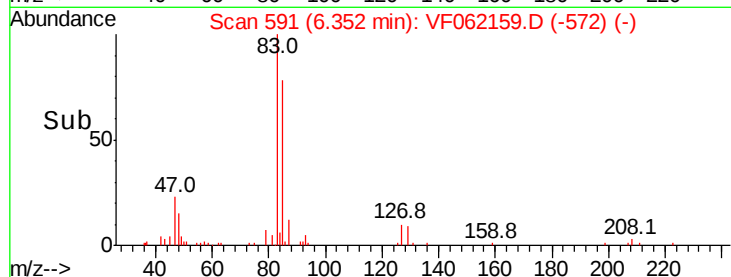
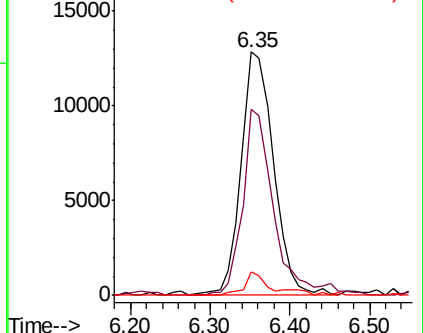
Ion	Ratio	Lower	Upper
83	100		
85	76.5	52.9	79.3
127	9.8	5.9	8.9#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 14.989 ug/l

RT: 6.70 min Scan# 626

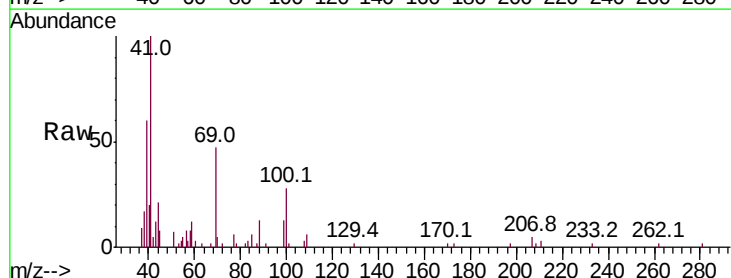
Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Tgt Ion: 41 Resp: 14721

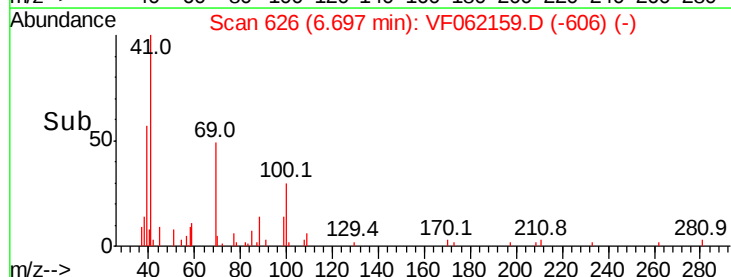
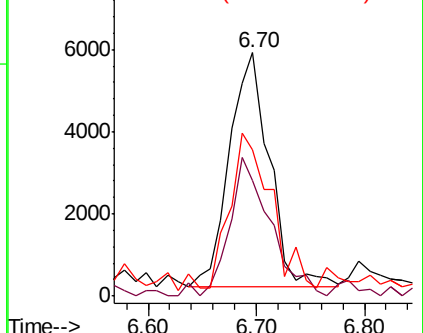
Ion	Ratio	Lower	Upper
41	100		
69	47.4	46.7	70.1
39	60.0	51.4	77.0

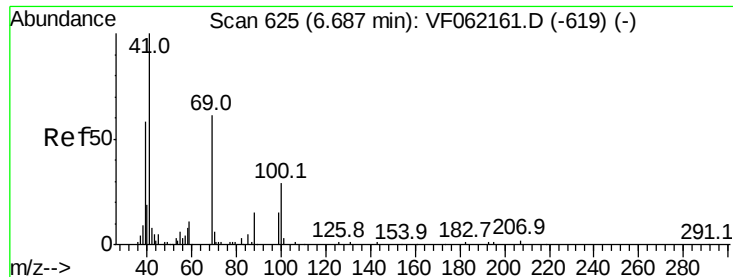


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 208.882 ug/l

RT: 6.70 min Scan# 626

Delta R.T. 0.01 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

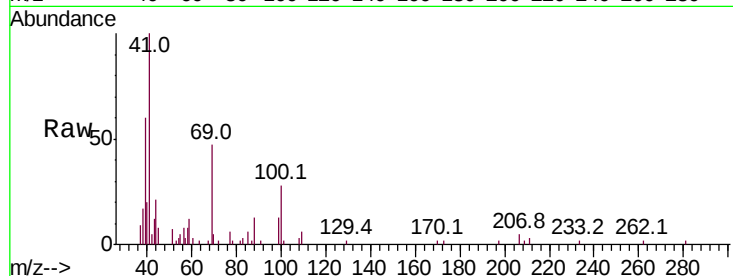
Tot Ion: 88 Resp: 1660

Ion Ratio Lower Upper

88 100

43 94.6 51.0 76.6#

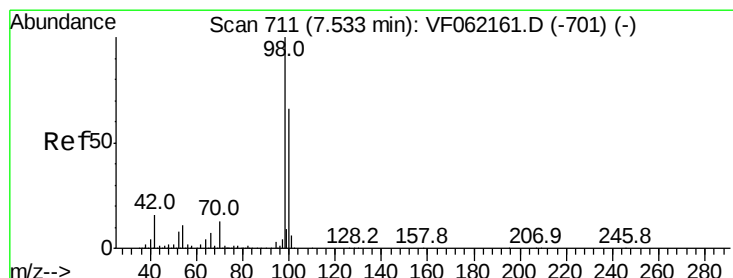
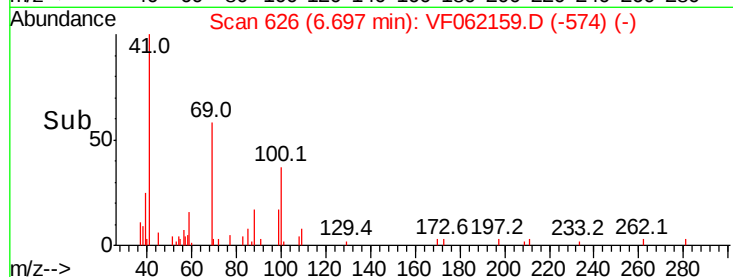
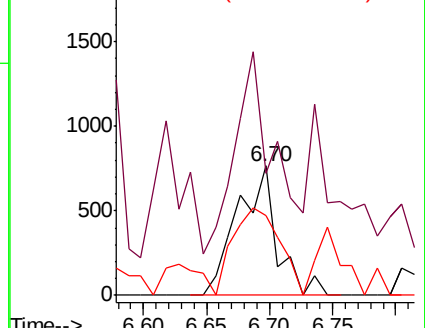
58 61.9 41.3 61.9



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: 9.279 ug/l

RT: 7.52 min Scan# 710

Delta R.T. -0.01 min

Lab File: VF062159.D

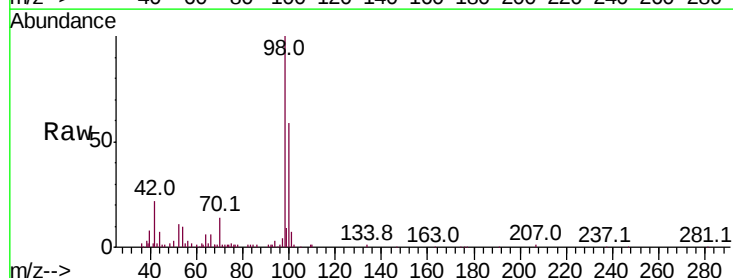
Acq: 4 Apr 2019 16:08

Tgt Ion: 98 Resp: 61405

Ion Ratio Lower Upper

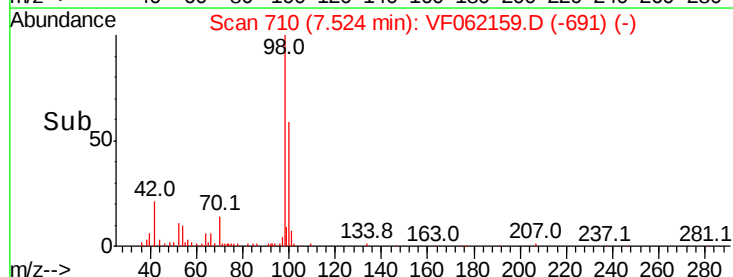
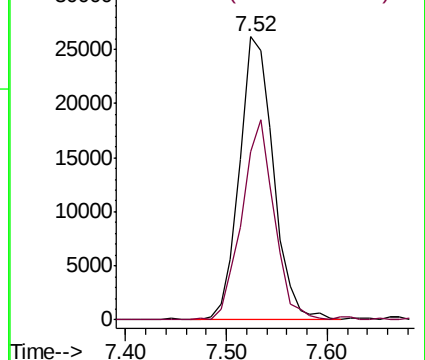
98 100

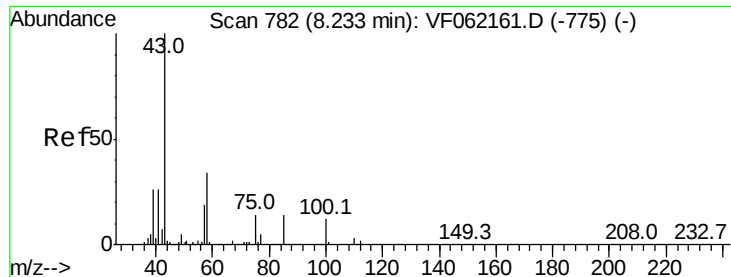
100 59.2 52.6 78.8



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 62.266 ug/l

RT: 8.23 min Scan# 782

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

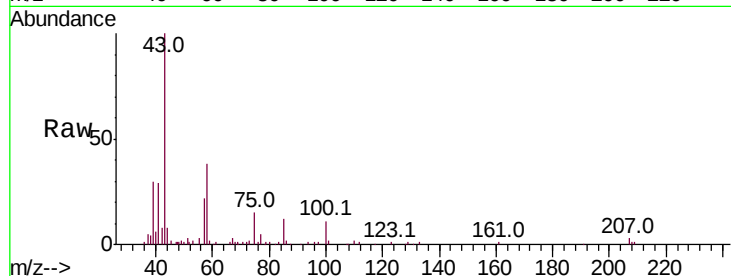
VSTDIC010

Tot Ion: 43 Resp: 69571

Ion Ratio Lower Upper

43 100

58 38.3 27.0 40.4



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.23

30000

25000

20000

15000

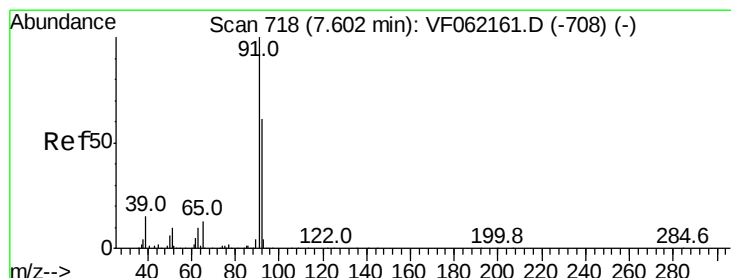
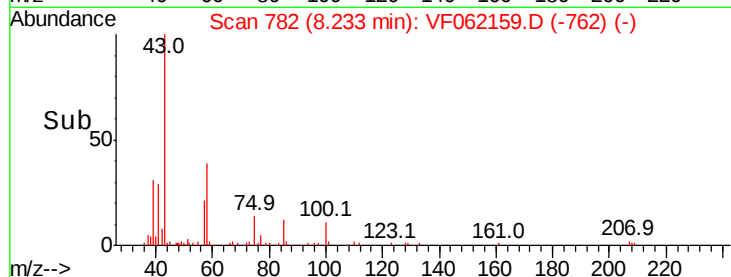
10000

5000

0

8.20 8.30

Time-->



#52

Toluene

Concen: 10.384 ug/l

RT: 7.60 min Scan# 718

Delta R.T. 0.00 min

Lab File: VF062159.D

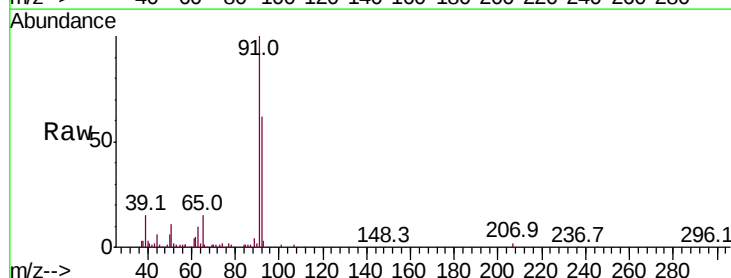
Acq: 4 Apr 2019 16:08

Tgt Ion: 92 Resp: 49994

Ion Ratio Lower Upper

92 100

91 161.4 130.8 196.2



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

40000

30000

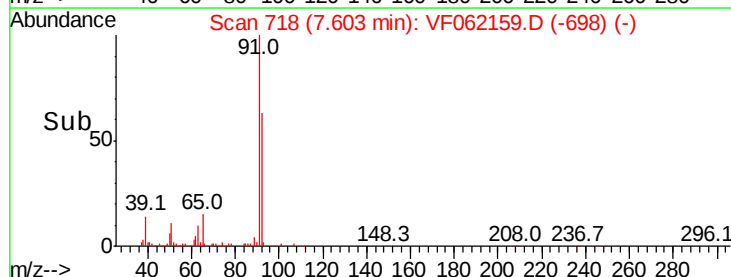
20000

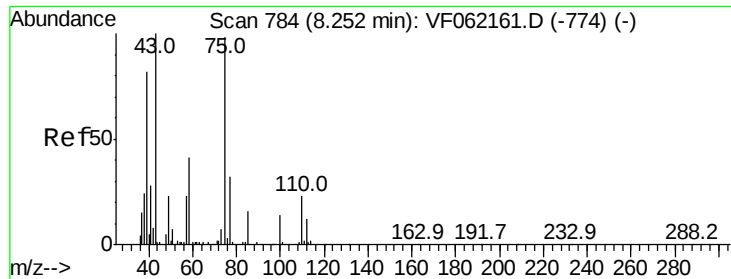
10000

0

7.50 7.55 7.60 7.65 7.70

Time-->

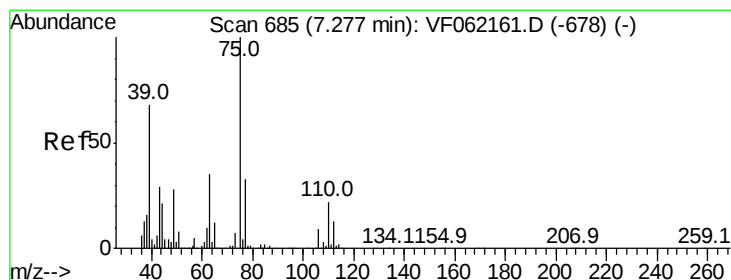
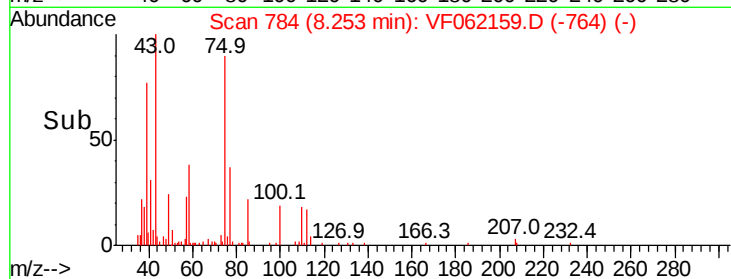
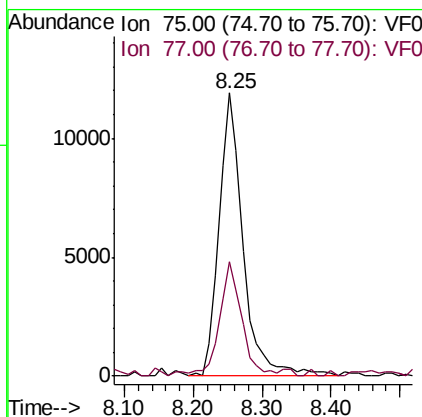
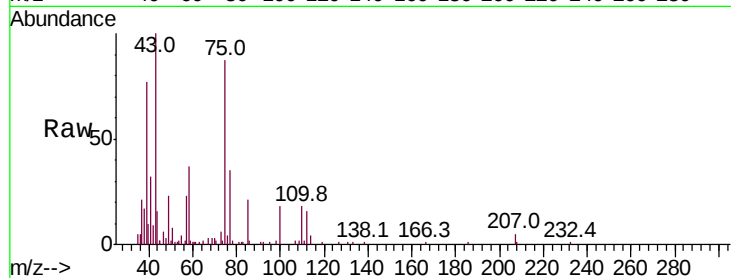




#53
 t-1,3-Dichloropropene
 Concen: 13.064 ug/l
 RT: 8.25 min Scan# 784
 Delta R.T. 0.00 min
 Lab File: VF062159.D
 Acq: 4 Apr 2019 16:08

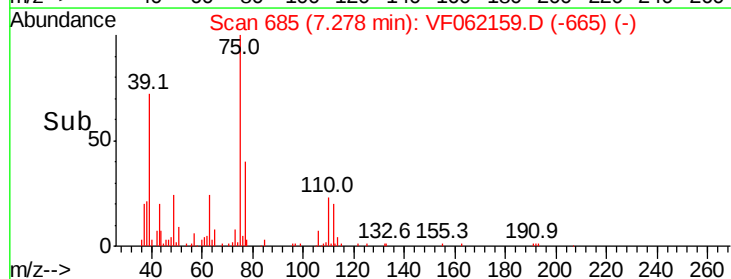
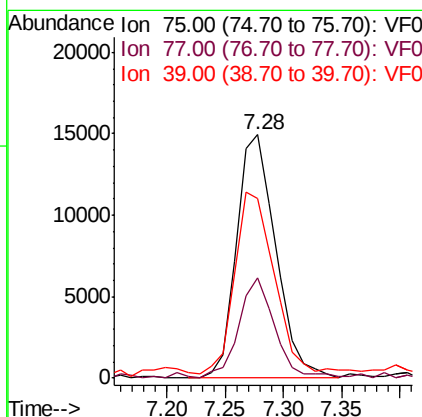
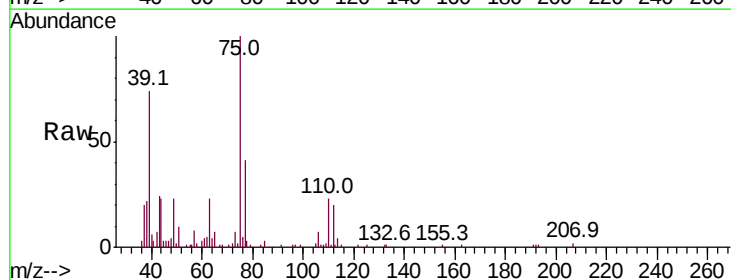
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

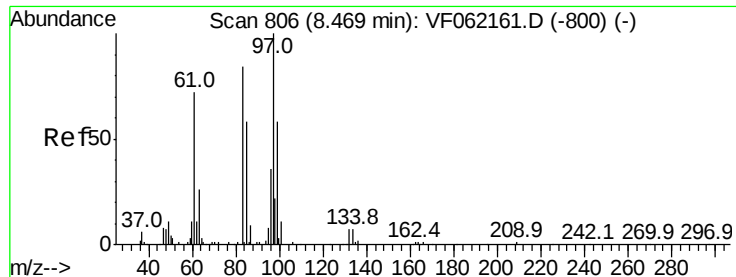
Tot Ion: 75 Resp: 28713
 Ion Ratio Lower Upper
 75 100
 77 40.3 26.6 39.8#



#54
 cis-1,3-Dichloropropene
 Concen: 11.455 ug/l
 RT: 7.28 min Scan# 685
 Delta R.T. 0.00 min
 Lab File: VF062159.D
 Acq: 4 Apr 2019 16:08

Tgt Ion: 75 Resp: 34844
 Ion Ratio Lower Upper
 75 100
 77 41.1 26.7 40.1#
 39 73.6 55.0 82.4





#55

1,1,2-Trichloroethane

Concen: 11.580 ug/l

RT: 8.47 min Scan# 806

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

Tot Ion: 97 Resp: 15654

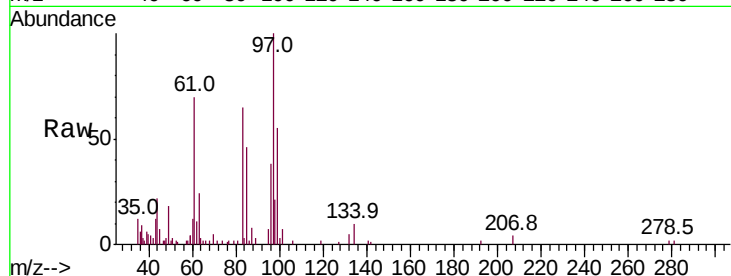
Ion Ratio Lower Upper

97 100

83 65.0 67.4 101.0#

85 45.8 46.6 70.0#

99 55.1 46.5 69.7

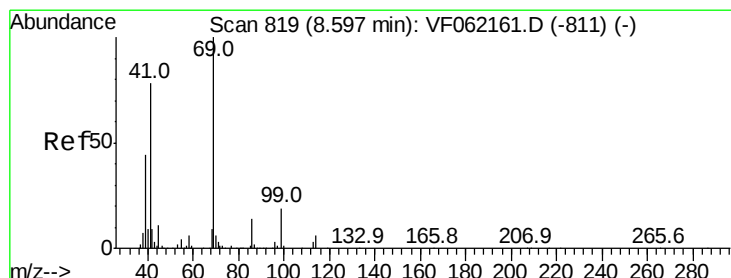
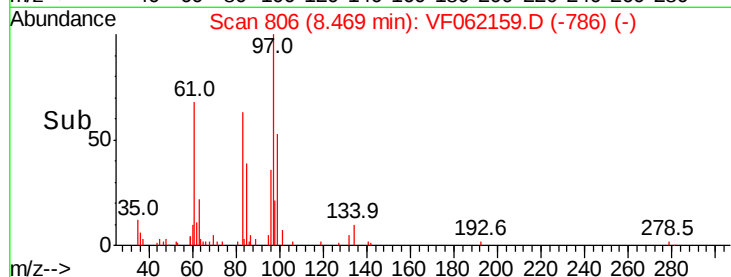
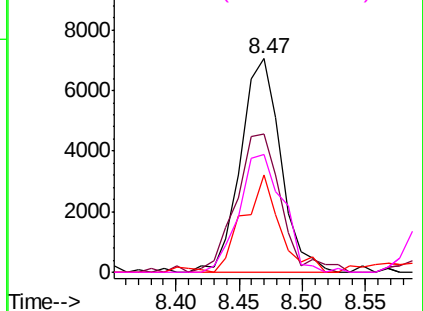


Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0



#56

Ethyl methacrylate

Concen: 11.867 ug/l

RT: 8.60 min Scan# 819

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

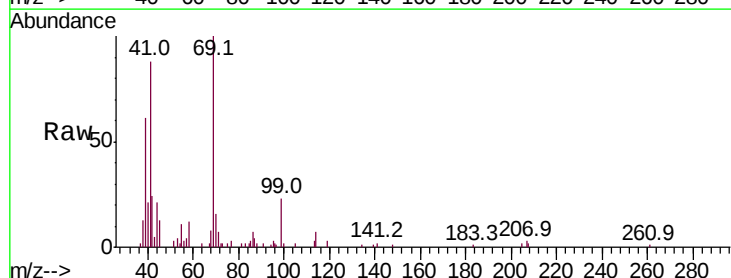
Tgt Ion: 69 Resp: 19517

Ion Ratio Lower Upper

69 100

41 88.0 63.0 94.4

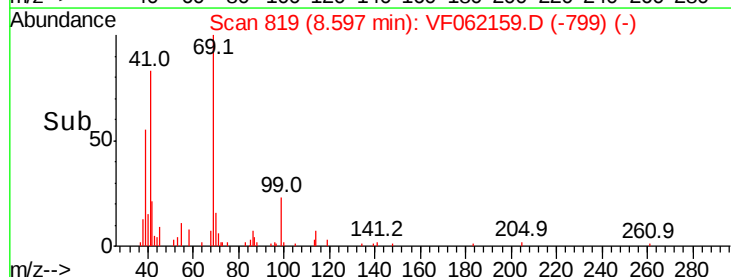
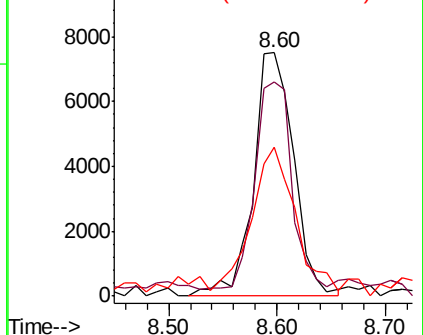
39 61.0 36.1 54.1#

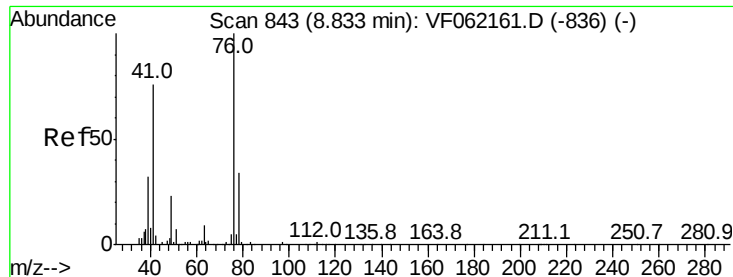


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 10.277 ug/l

RT: 8.83 min Scan# 843

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

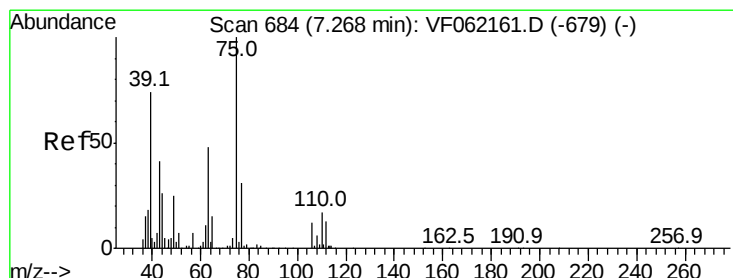
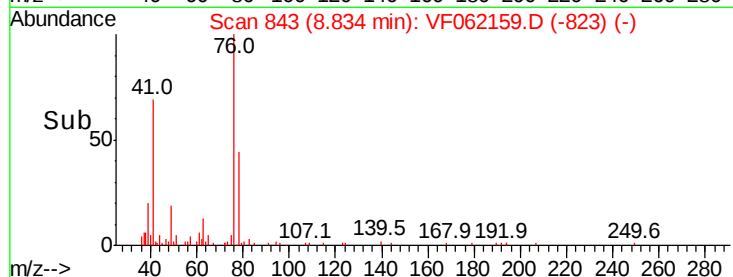
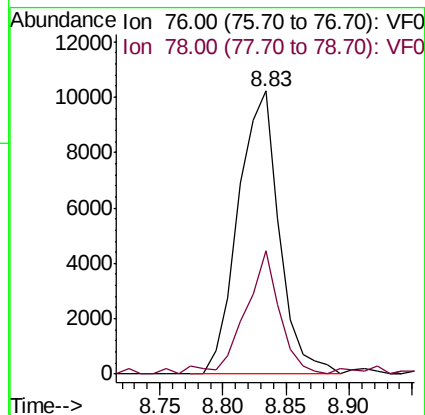
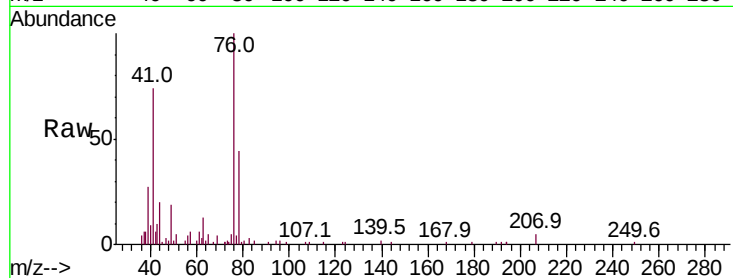
VSTDIC010

Tot Ion: 76 Resp: 23045

Ion Ratio Lower Upper

76 100

78 43.7 27.4 41.2#



#58

2-Chloroethyl Vinyl ether

Concen: 41.946 ug/l

RT: 7.27 min Scan# 684

Delta R.T. 0.00 min

Lab File: VF062159.D

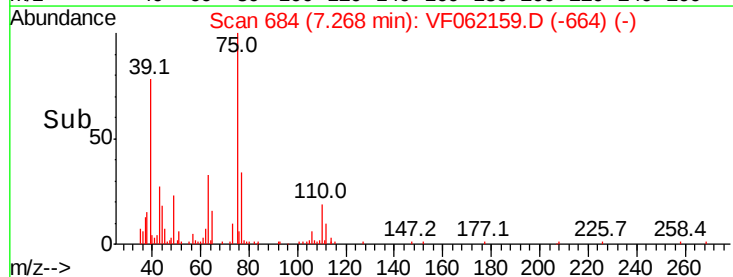
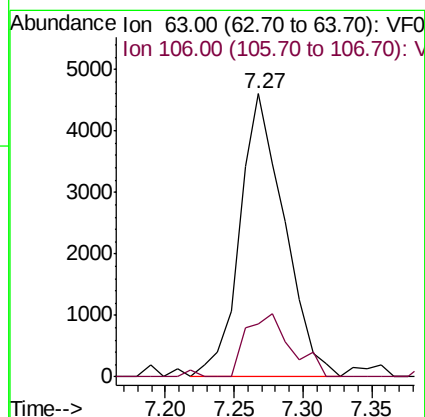
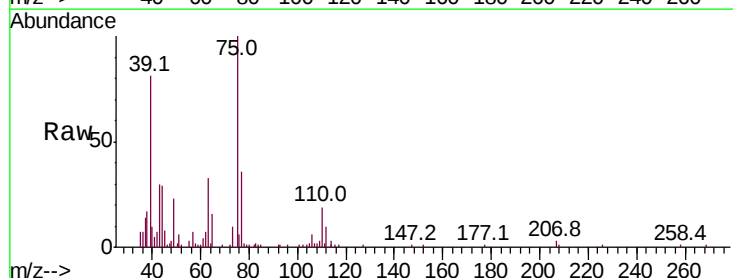
Acq: 4 Apr 2019 16:08

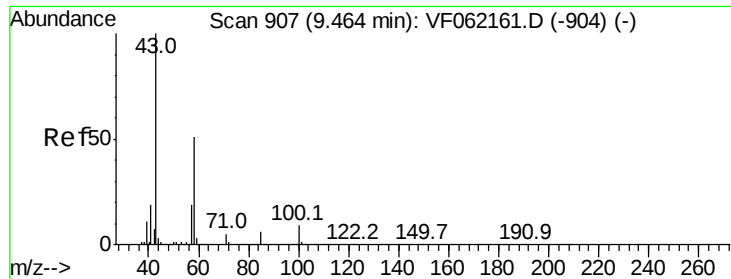
Tgt Ion: 63 Resp: 10360

Ion Ratio Lower Upper

63 100

106 18.8 20.6 31.0#

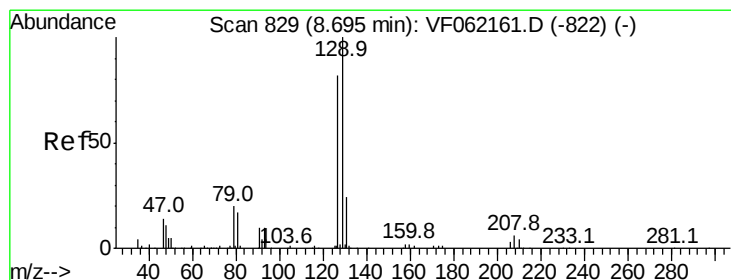
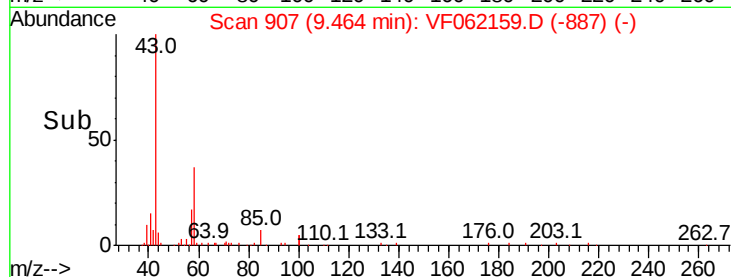
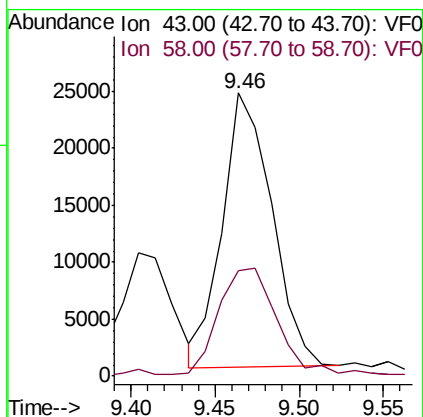
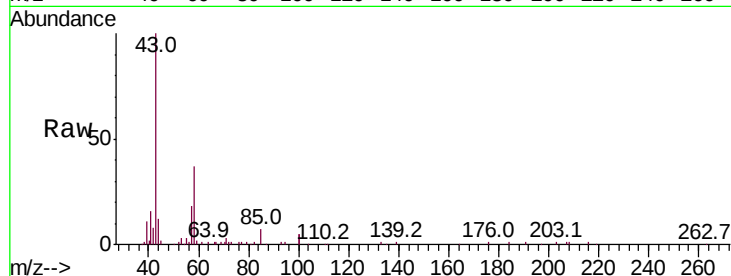




#59
2-Hexanone
Concen: 60.262 ug/l
RT: 9.46 min Scan# 907
Delta R.T. 0.00 min
Lab File: VF062159.D
Acq: 4 Apr 2019 16:08

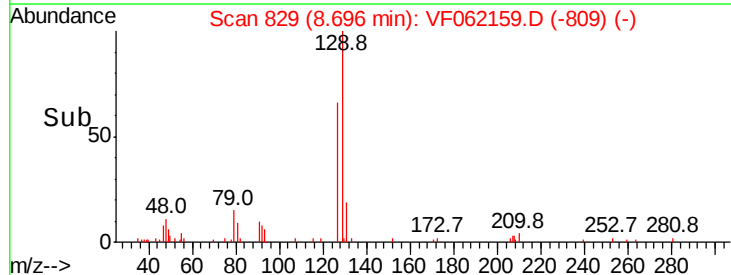
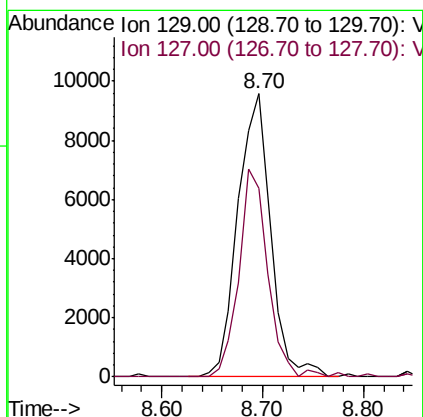
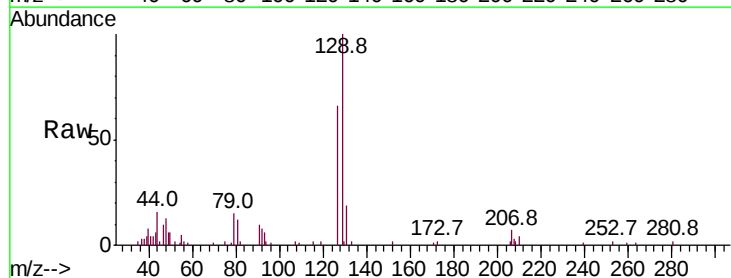
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

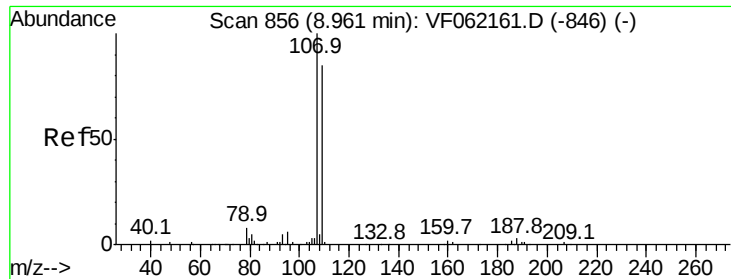
Tot Ion: 43 Resp: 49014
Ion Ratio Lower Upper
43 100
58 37.1 23.3 69.9



#60
Dibromochloromethane
Concen: 11.428 ug/l
RT: 8.70 min Scan# 829
Delta R.T. 0.00 min
Lab File: VF062159.D
Acq: 4 Apr 2019 16:08

Tgt Ion: 129 Resp: 21765
Ion Ratio Lower Upper
129 100
127 66.4 40.9 122.7





#61

1,2-Dibromoethane

Concen: 10.983 ug/l

RT: 8.96 min Scan# 856

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

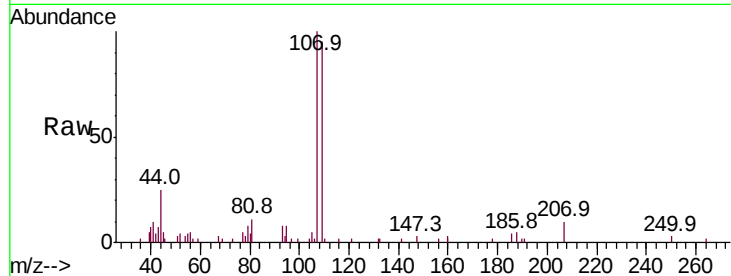
VSTDIC010

Tot Ion:107 Resp: 15823

Ion Ratio Lower Upper

107 100

109 94.9 68.4 102.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

8.96

6000

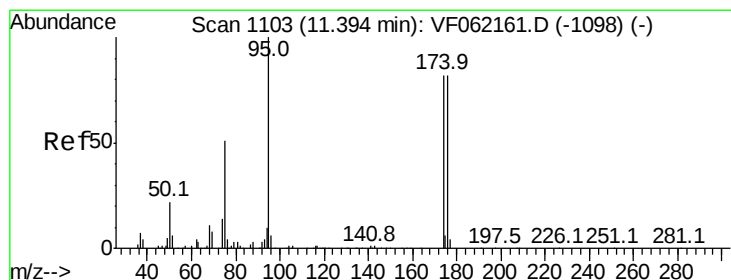
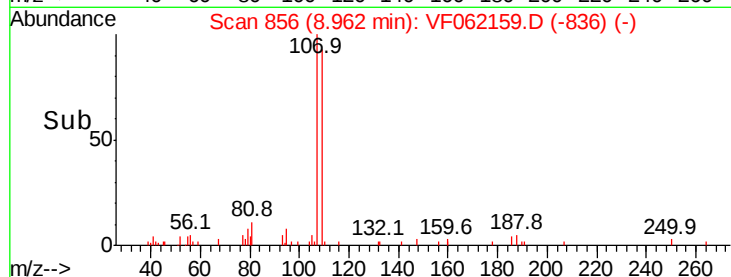
4000

2000

0

8.90 9.00

Time-->



#62

4-Bromofluorobenzene

Concen: 10.874 ug/l

RT: 11.38 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

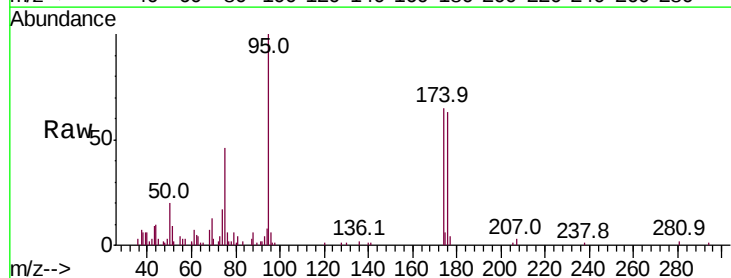
Tgt Ion: 95 Resp: 28021

Ion Ratio Lower Upper

95 100

174 65.4 0.0 164.8

176 62.5 0.0 164.6



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

11.38

15000

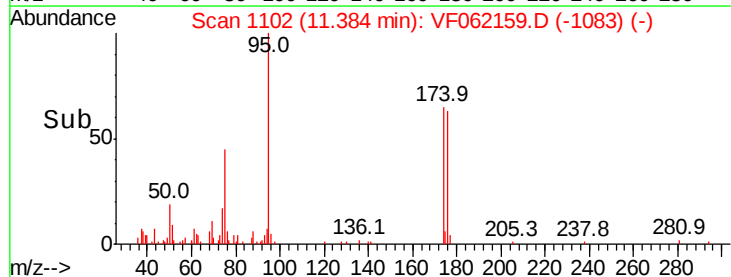
10000

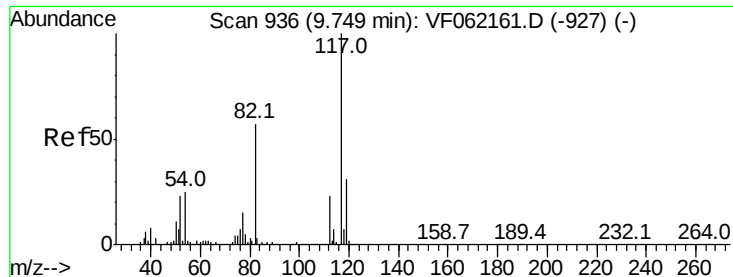
5000

0

11.30 11.40 11.50

Time-->

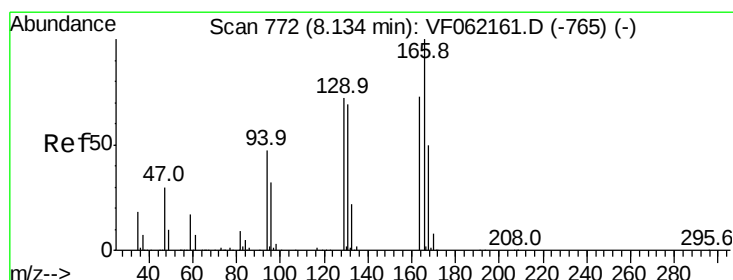
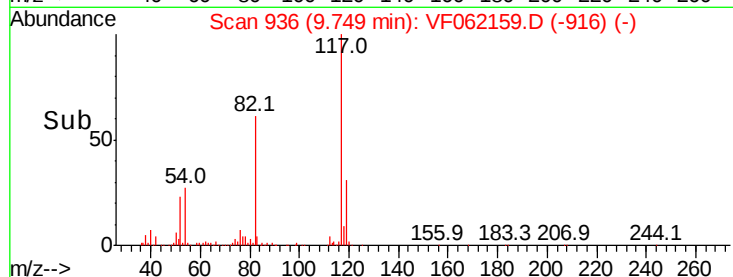
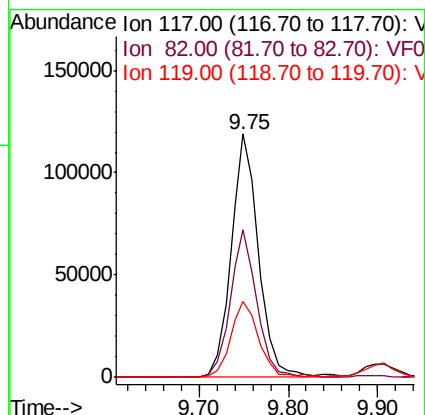
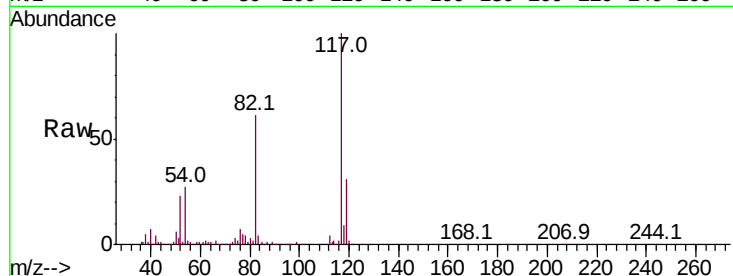




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.75 min Scan# 936
Delta R.T. 0.00 min
Lab File: VF062159.D
Acq: 4 Apr 2019 16:08

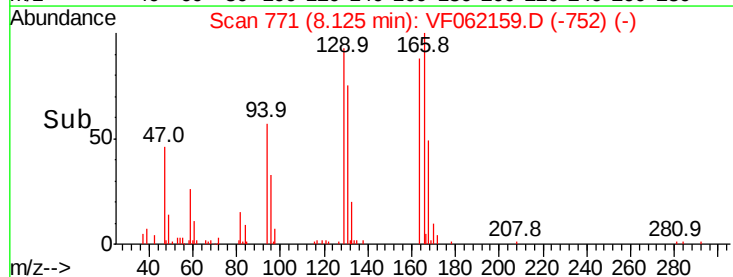
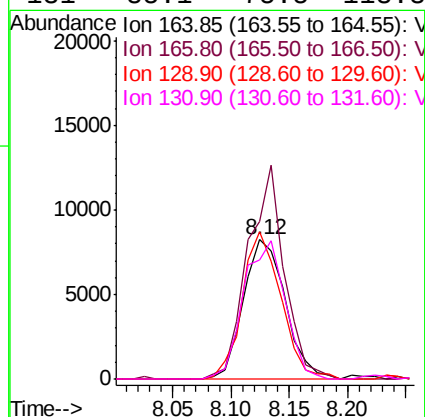
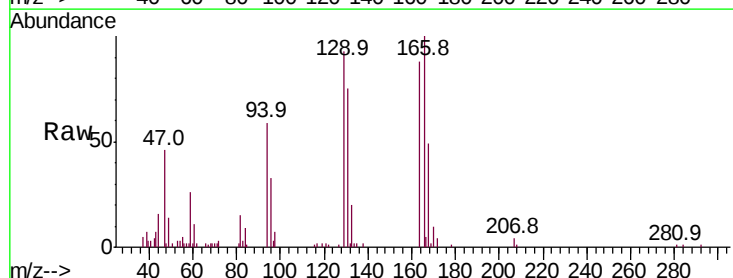
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

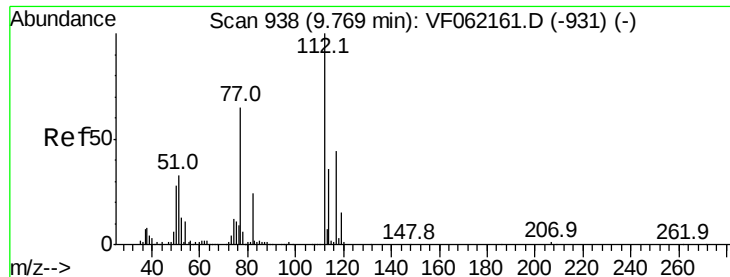
Tot Ion:117 Resp: 255642
Ion Ratio Lower Upper
117 100
82 60.6 45.5 68.3
119 30.9 24.9 37.3



#64
Tetrachloroethene
Concen: 10.457 ug/l
RT: 8.12 min Scan# 771
Delta R.T. -0.01 min
Lab File: VF062159.D
Acq: 4 Apr 2019 16:08

Tgt Ion:164 Resp: 20590
Ion Ratio Lower Upper
164 100
166 113.2 110.2 165.2
129 105.5 79.0 118.6
131 85.1 75.5 113.3

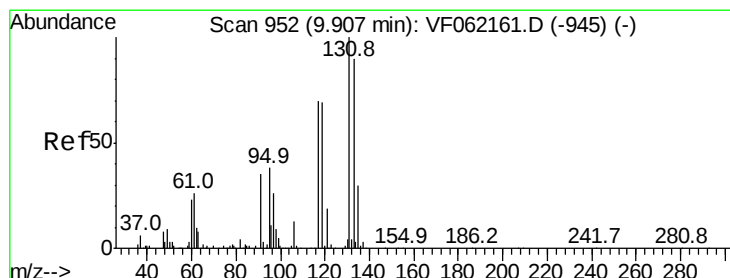
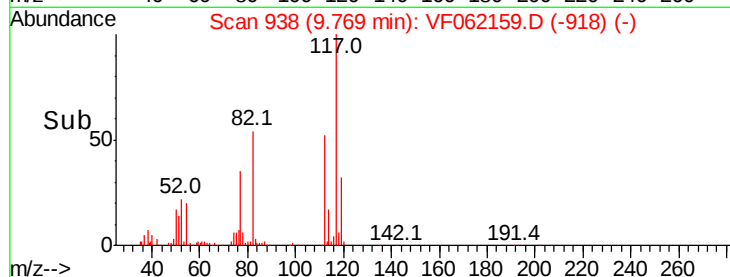
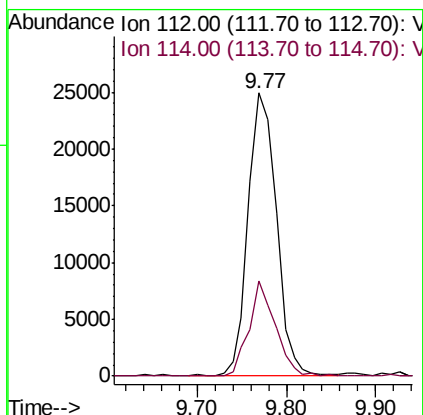
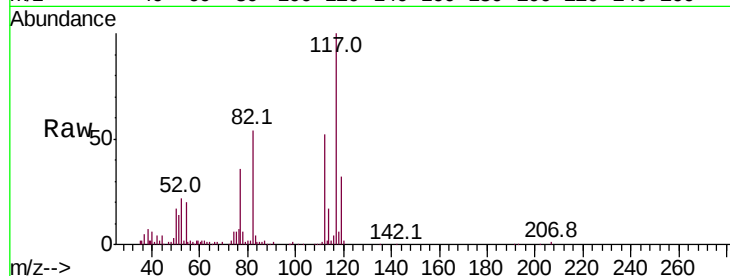




#65
Chlorobenzene
Concen: 11.378 ug/l
RT: 9.77 min Scan# 938
Delta R.T. 0.00 min
Lab File: VF062159.D
Acq: 4 Apr 2019 16:08

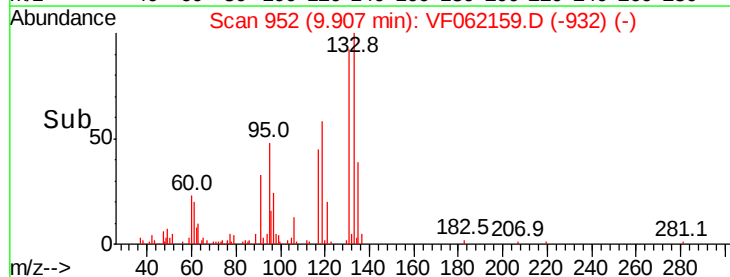
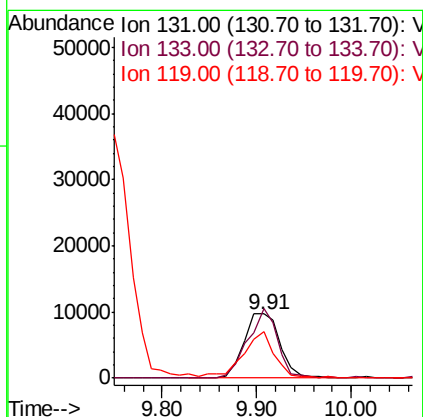
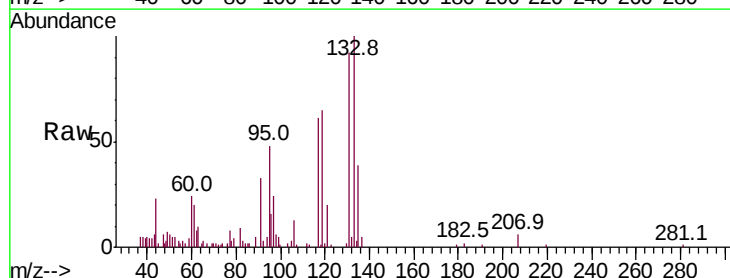
Instrument :
MSVOA_F
ClientSampled :
VSTDIC010

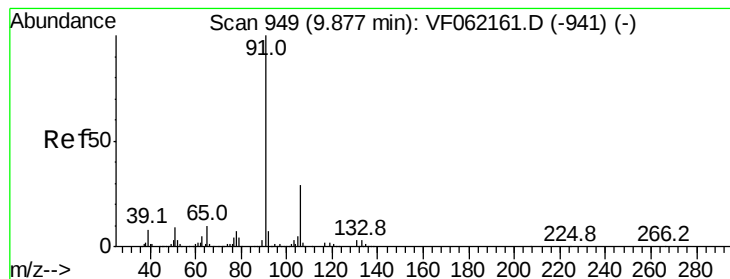
Tot Ion:112 Resp: 54918
Ion Ratio Lower Upper
112 100
114 33.4 28.6 43.0



#66
1,1,1,2-Tetrachloroethane
Concen: 13.002 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF062159.D
Acq: 4 Apr 2019 16:08

Tgt Ion:131 Resp: 25609
Ion Ratio Lower Upper
131 100
133 108.8 45.1 135.3
119 72.4 34.9 104.7





#67

Ethyl Benzene

Concen: 12.010 ug/l

RT: 9.88 min Scan# 949

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

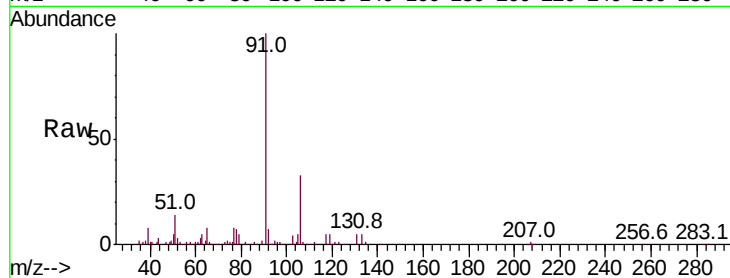
VSTDIC010

Tot Ion: 91 Resp: 103118

Ion Ratio Lower Upper

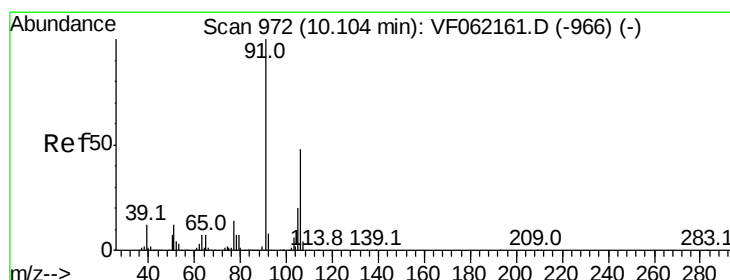
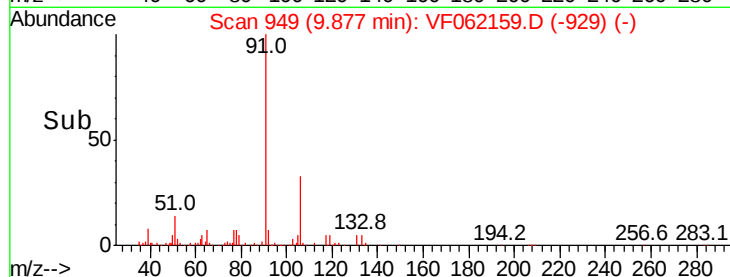
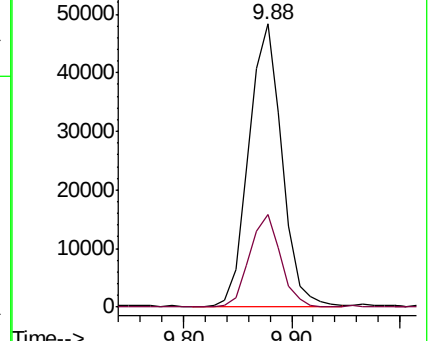
91 100

106 32.8 23.2 34.8



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 24.726 ug/l

RT: 10.10 min Scan# 972

Delta R.T. 0.00 min

Lab File: VF062159.D

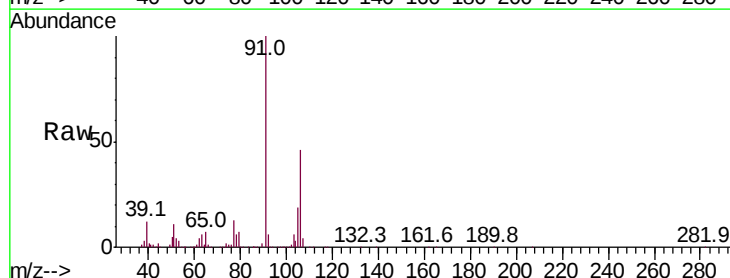
Acq: 4 Apr 2019 16:08

Tgt Ion: 106 Resp: 78995

Ion Ratio Lower Upper

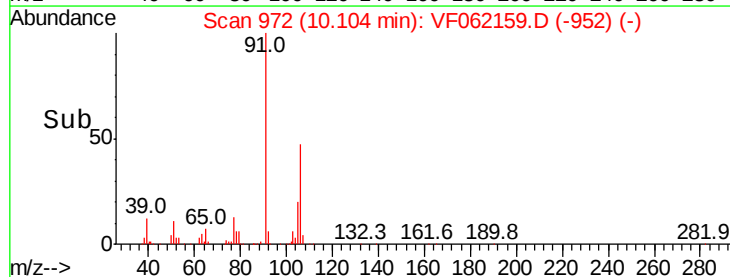
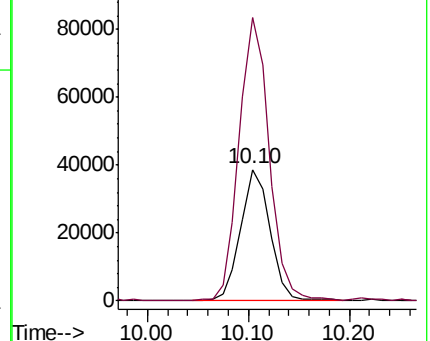
106 100

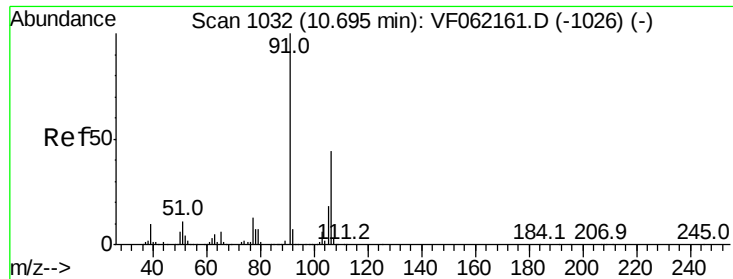
91 215.9 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0

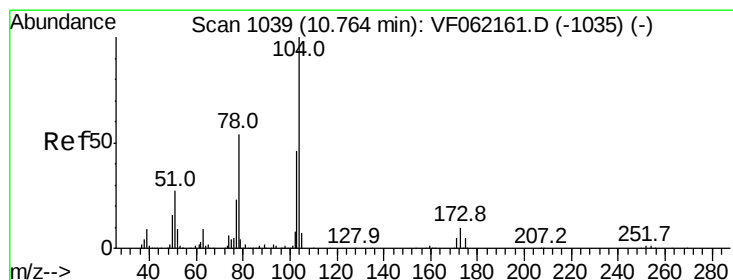
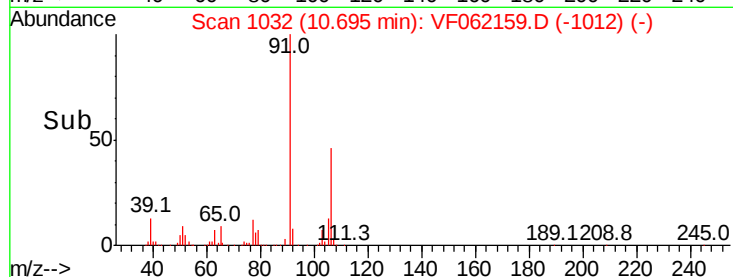
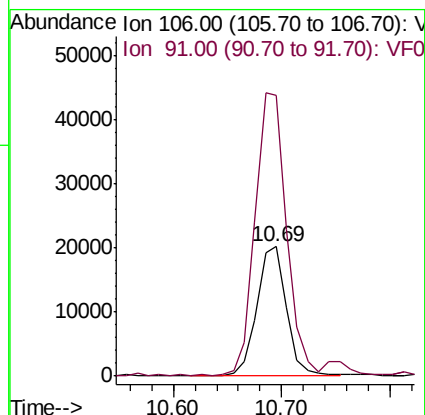
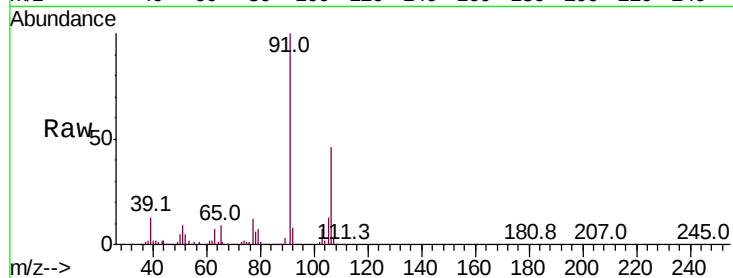




#69
o-Xylene
Concen: 11.878 ug/l
RT: 10.69 min Scan# 1032
Delta R.T. 0.00 min
Lab File: VF062159.D
Acq: 4 Apr 2019 16:08

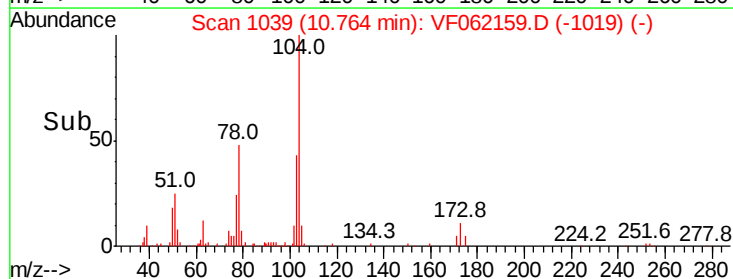
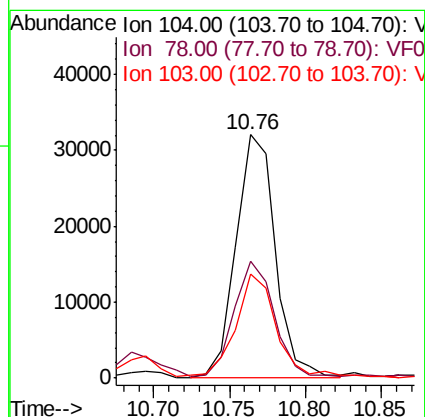
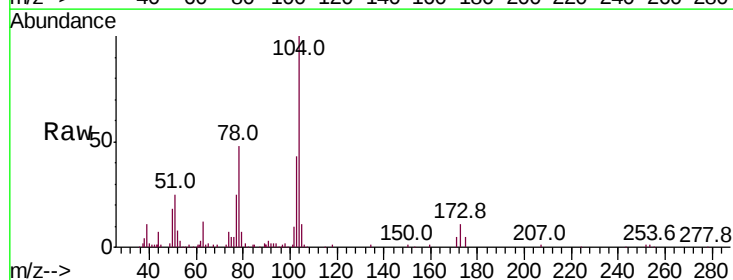
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

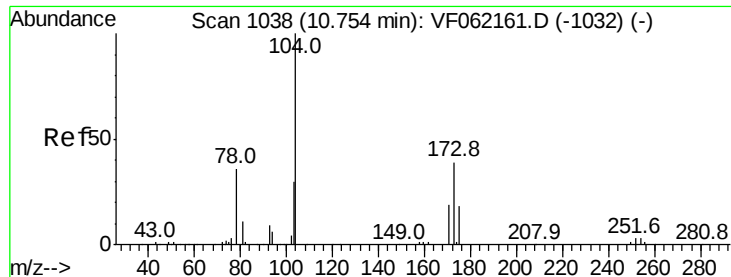
Tot Ion:106 Resp: 38873
Ion Ratio Lower Upper
106 100
91 216.4 113.3 340.1



#70
Styrene
Concen: 11.493 ug/l
RT: 10.76 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VF062159.D
Acq: 4 Apr 2019 16:08

Tgt Ion:104 Resp: 58065
Ion Ratio Lower Upper
104 100
78 48.0 43.1 64.7
103 42.8 37.0 55.6





#71

Bromoform

Concen: 11.113 ug/l

RT: 10.75 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

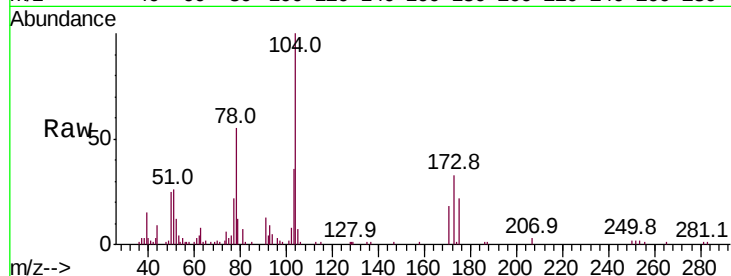
Tot Ion:173 Resp: 11239

Ion Ratio Lower Upper

173 100

175 66.4 22.9 68.7

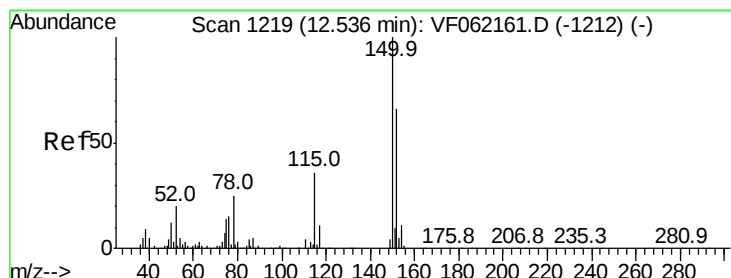
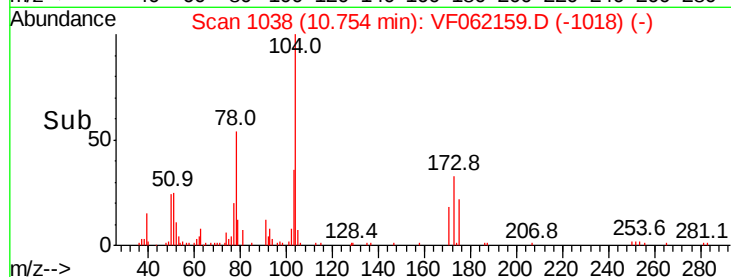
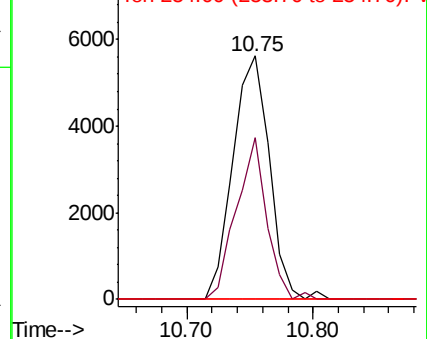
254 0.0 6.7 10.1#



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: 12.54 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

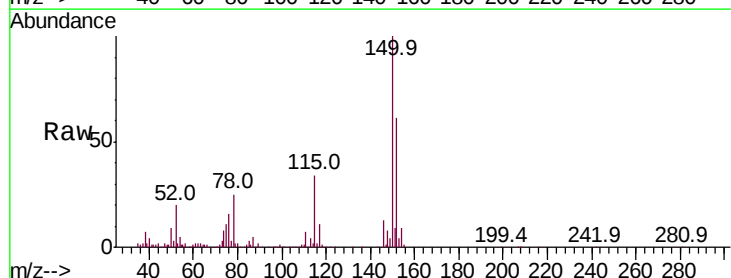
Tgt Ion:152 Resp: 131206

Ion Ratio Lower Upper

152 100

115 56.3 28.3 84.9

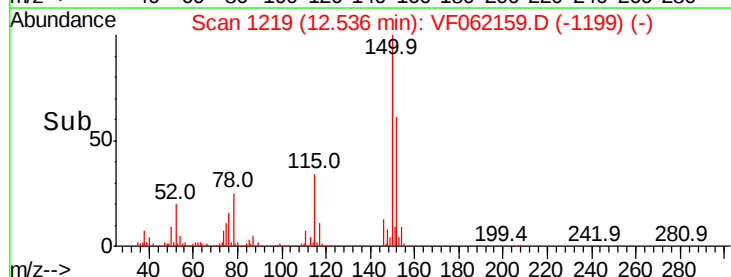
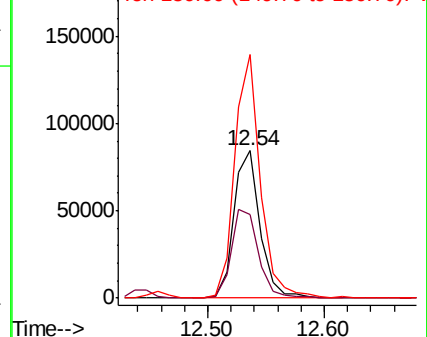
150 165.3 0.0 322.6

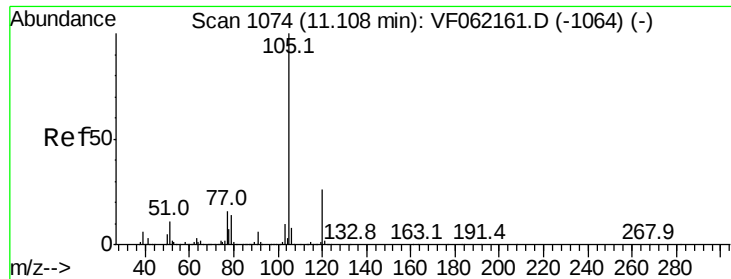


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 12.166 ug/l

RT: 11.11 min Scan# 1074

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

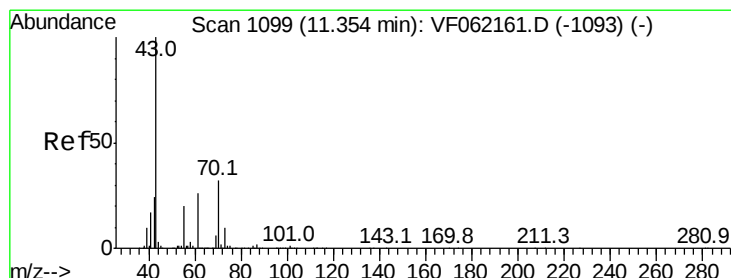
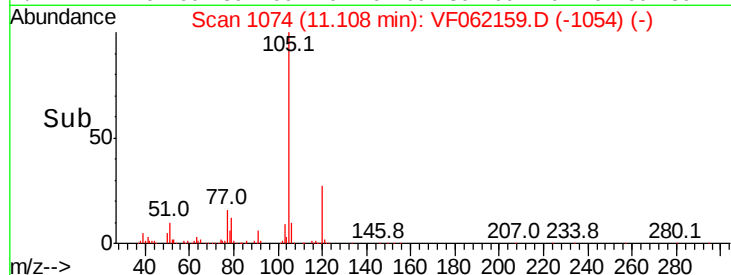
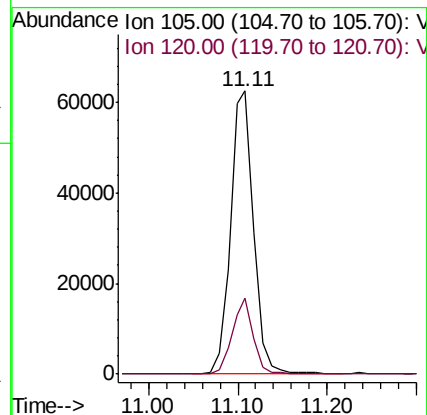
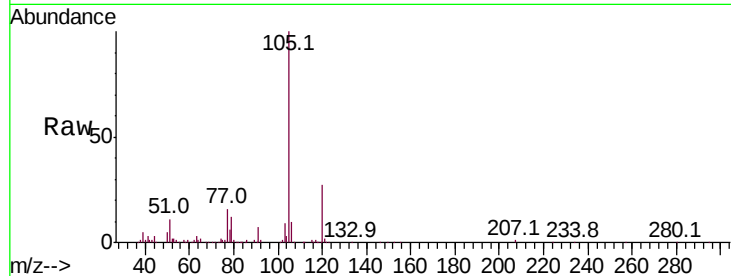
VSTDIC010

Tot Ion:105 Resp: 114118

Ion Ratio Lower Upper

105 100

120 27.0 13.1 39.3



#74

N-ethyl acetate

Concen: 14.216 ug/l

RT: 11.35 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Tgt Ion: 43 Resp: 32352

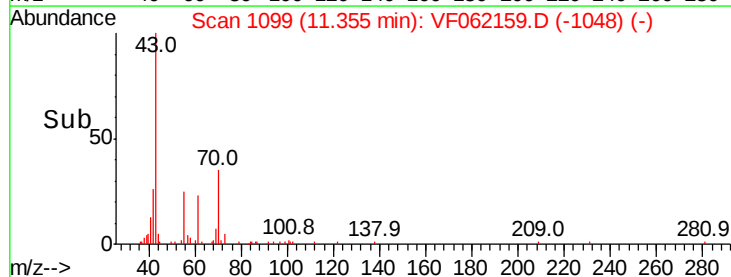
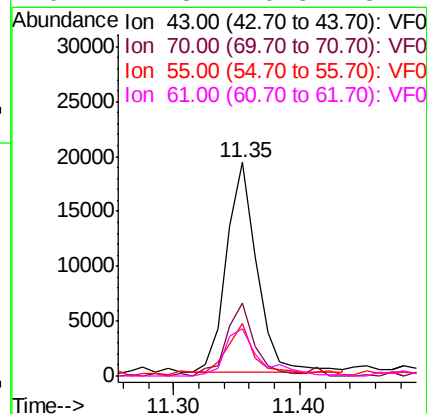
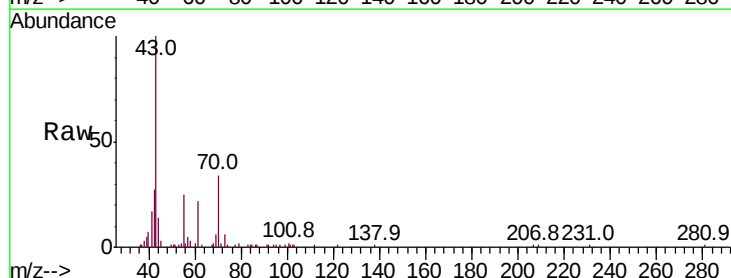
Ion Ratio Lower Upper

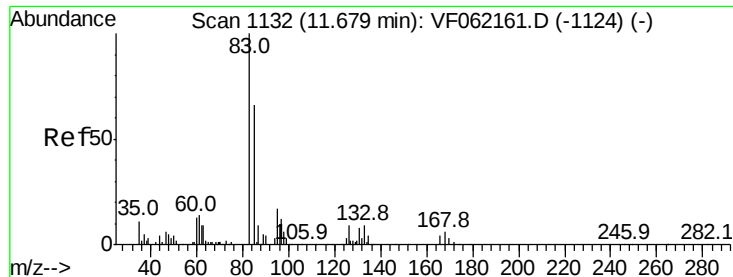
43 100

70 34.1 25.9 38.9

55 24.8 16.3 24.5#

61 22.3 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 11.413 ug/l

RT: 11.68 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

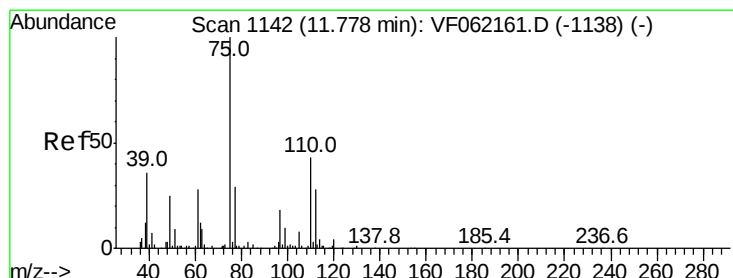
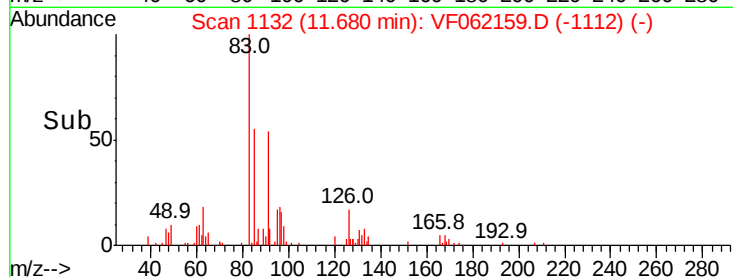
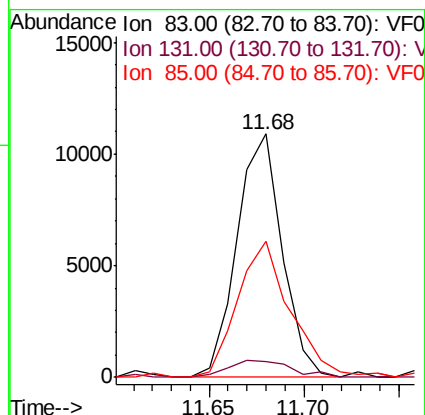
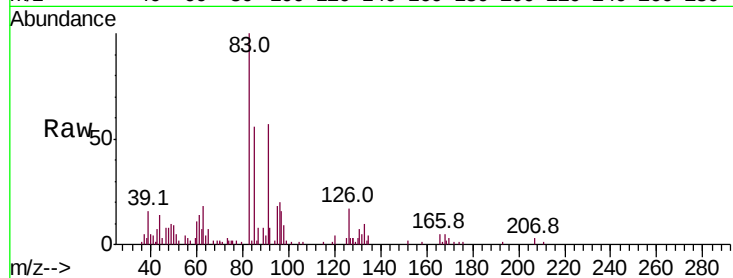
Tot Ion: 83 Resp: 17993

Ion Ratio Lower Upper

83 100

131 6.6 4.3 12.8

85 56.1 33.1 99.2



#76

1,2,3-Trichloropropane

Concen: 12.081 ug/l

RT: 11.78 min Scan# 1142

Delta R.T. 0.00 min

Lab File: VF062159.D

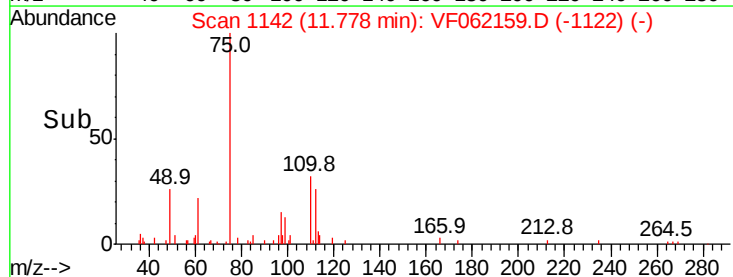
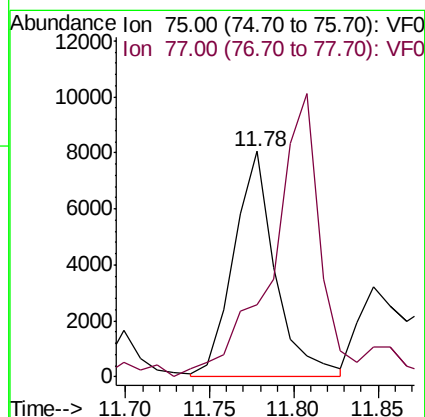
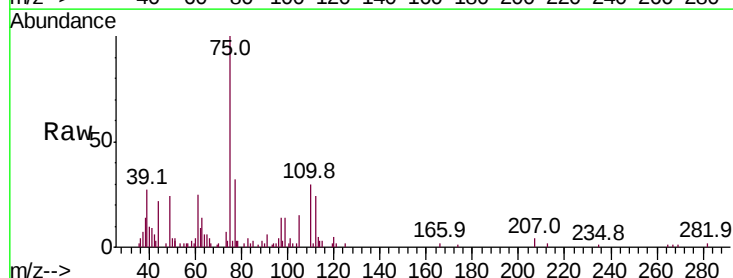
Acq: 4 Apr 2019 16:08

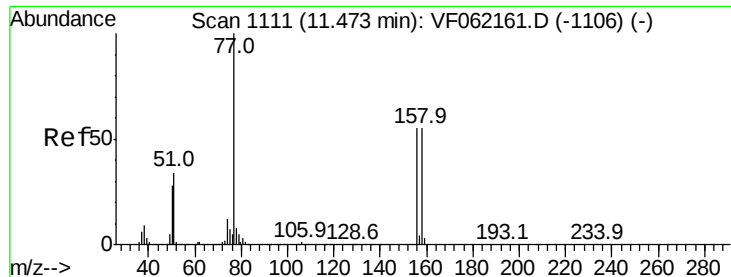
Tgt Ion: 75 Resp: 13862

Ion Ratio Lower Upper

75 100

77 31.8 15.0 45.0





#77

Bromobenzene

Concen: 10.764 ug/l

RT: 11.47 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

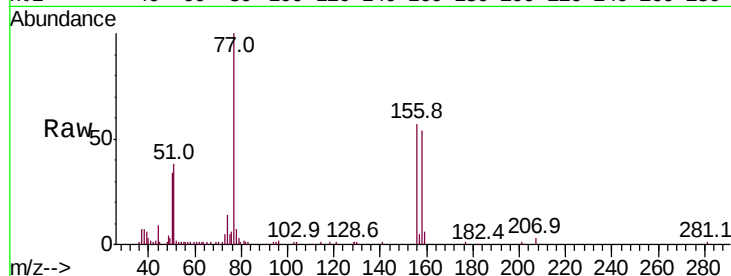
Tot Ion:156 Resp: 24330

Ion Ratio Lower Upper

156 100

77 174.0 91.0 272.8

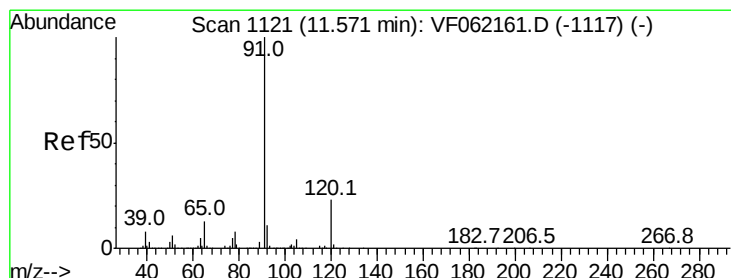
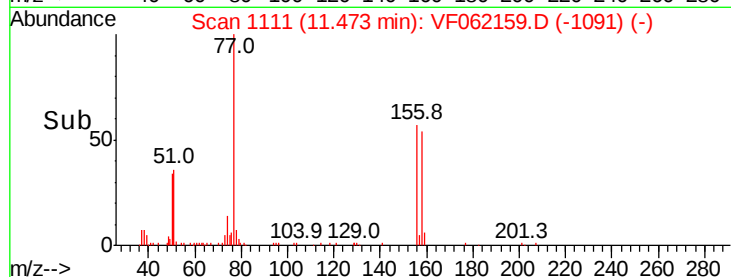
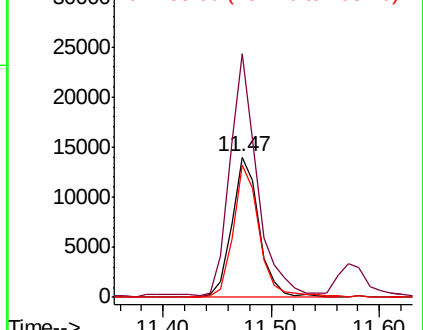
158 94.2 49.7 149.1



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: 12.334 ug/l

RT: 11.57 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VF062159.D

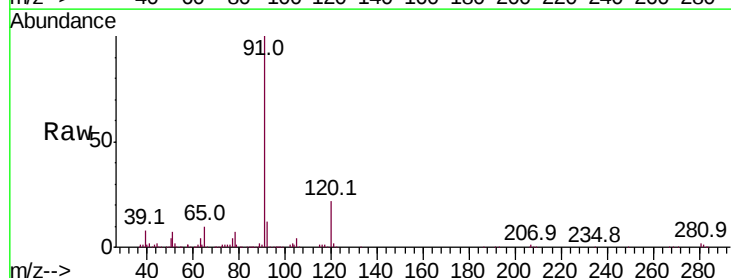
Acq: 4 Apr 2019 16:08

Tgt Ion: 91 Resp: 136000

Ion Ratio Lower Upper

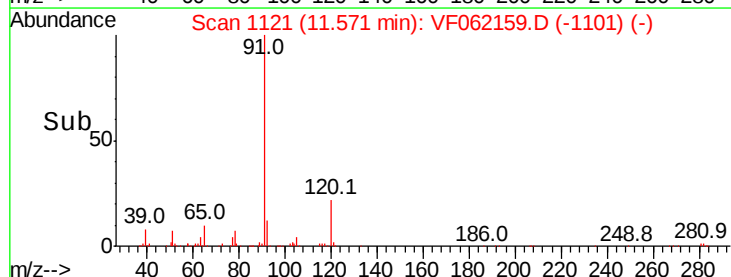
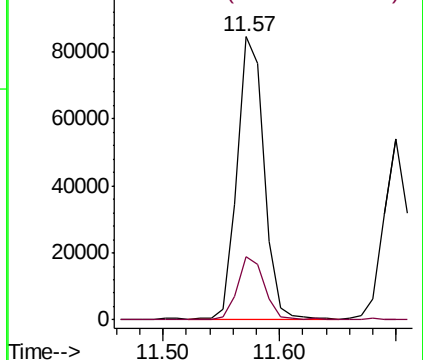
91 100

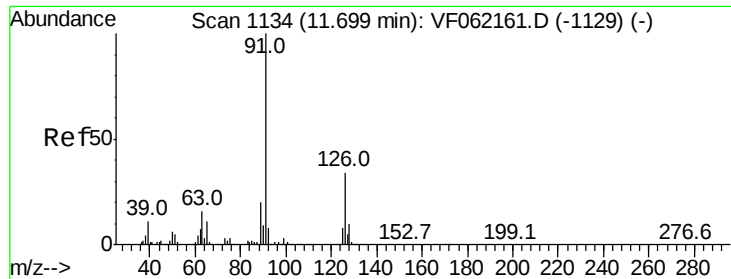
120 22.4 11.4 34.2



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

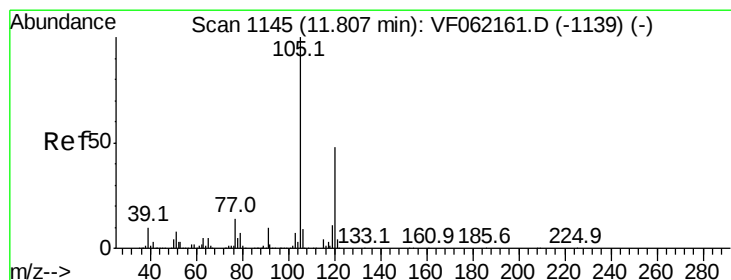
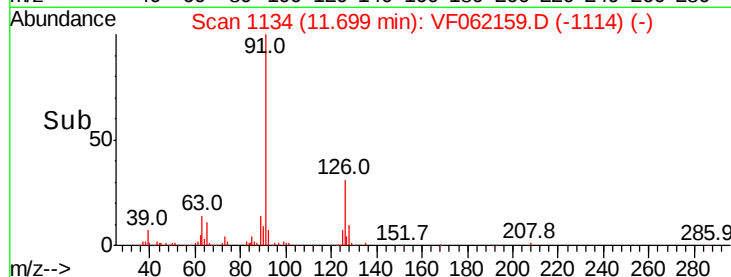
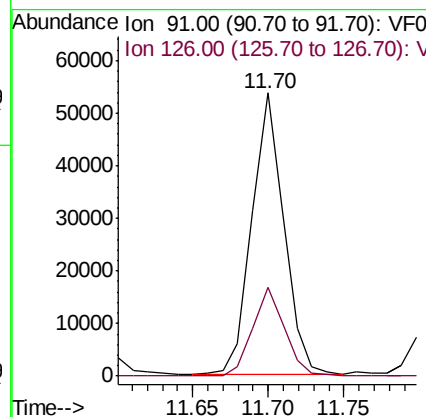
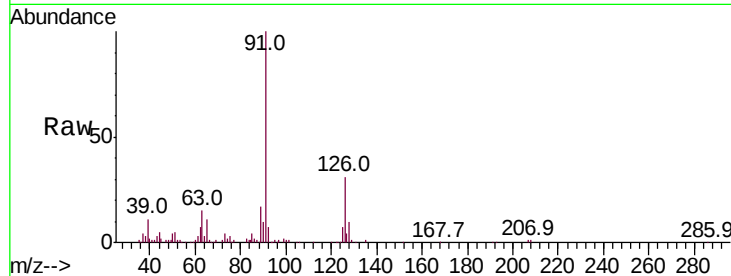




#79
2-Chlorotoluene
Concen: 13.009 ug/l
RT: 11.70 min Scan# 1134
Delta R.T. 0.00 min
Lab File: VF062159.D
Acq: 4 Apr 2019 16:08

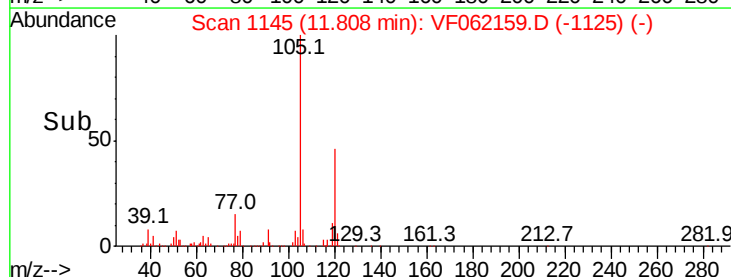
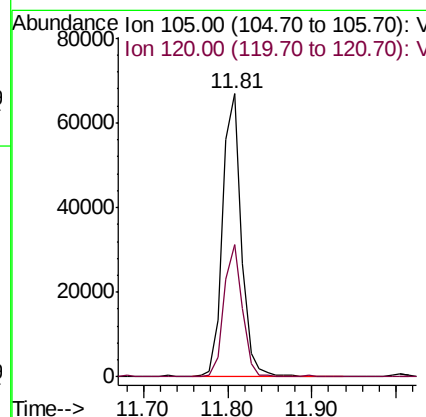
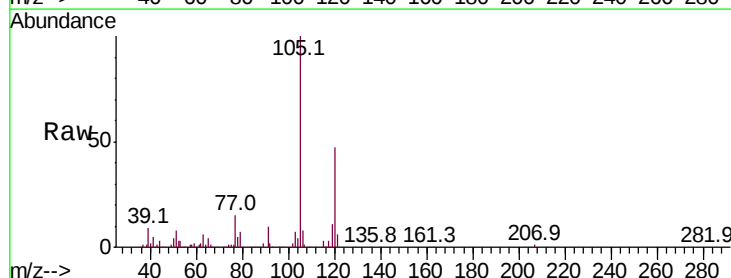
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

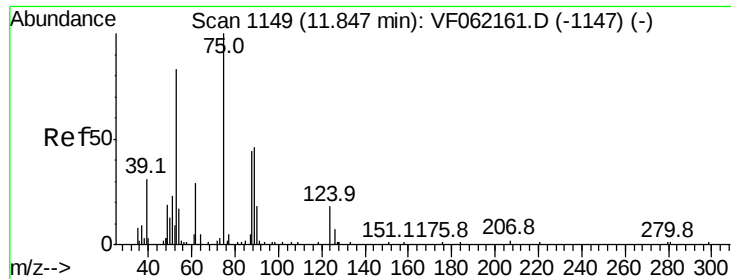
Tot Ion: 91 Resp: 79511
Ion Ratio Lower Upper
91 100
126 31.5 17.0 51.0



#80
1,3,5-Trimethylbenzene
Concen: 13.232 ug/l
RT: 11.81 min Scan# 1145
Delta R.T. 0.00 min
Lab File: VF062159.D
Acq: 4 Apr 2019 16:08

Tgt Ion: 105 Resp: 103772
Ion Ratio Lower Upper
105 100
120 46.9 24.2 72.6





#81

trans-1,4-Dichloro-2-butene

Concen: 12.129 ug/l m

RT: 11.85 min Scan# 1149

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

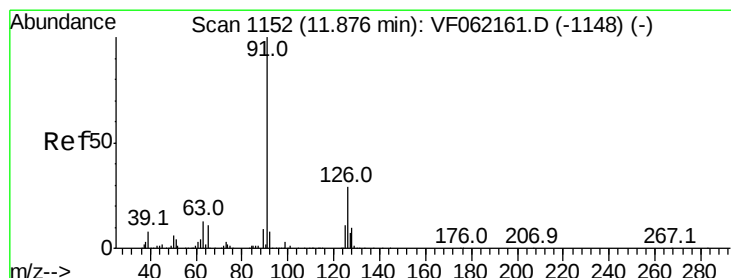
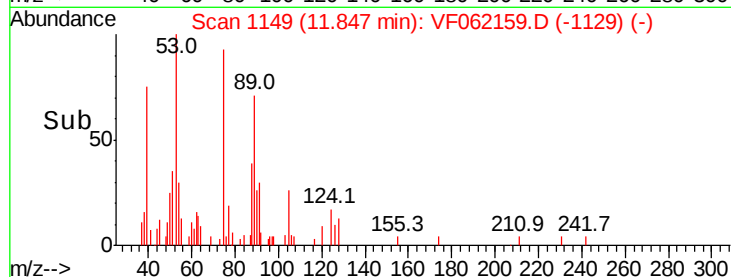
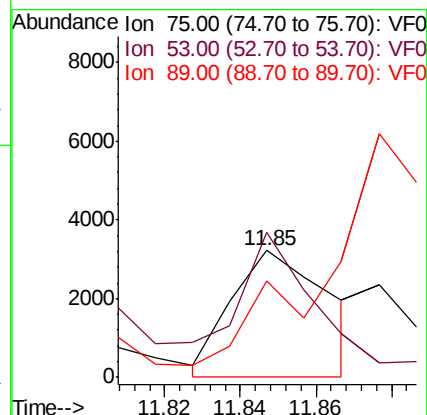
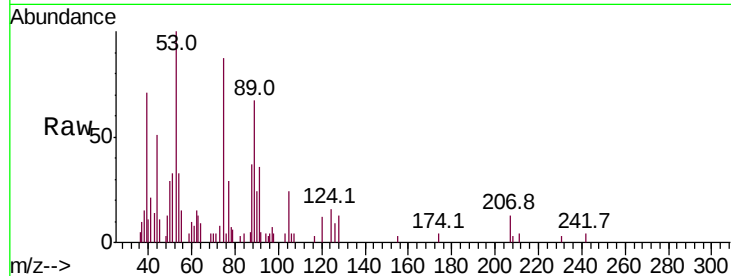
Tot Ion: 75 Resp: 5710

Ion Ratio Lower Upper

75 100

53 114.5 71.4 107.0#

89 76.5 37.9 56.9#



#82

4-Chlorotoluene

Concen: 12.934 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF062159.D

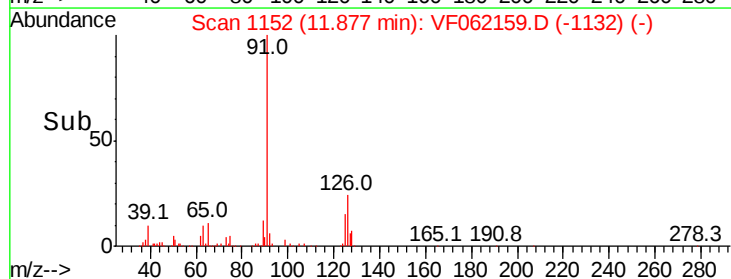
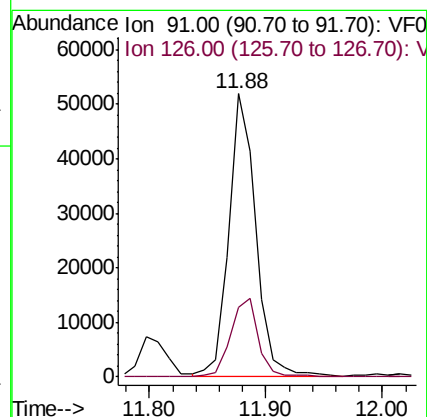
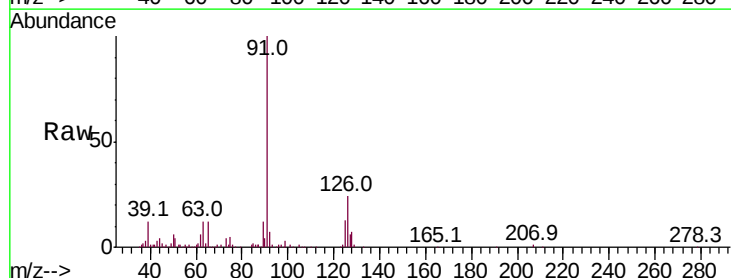
Acq: 4 Apr 2019 16:08

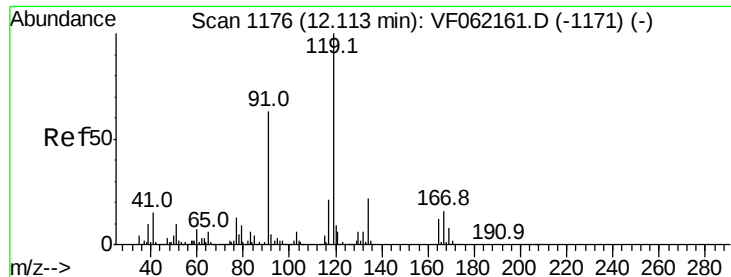
Tgt Ion: 91 Resp: 82061

Ion Ratio Lower Upper

91 100

126 24.4 14.2 42.8





#83

tert-Butylbenzene

Concen: 12.411 ug/l

RT: 12.11 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

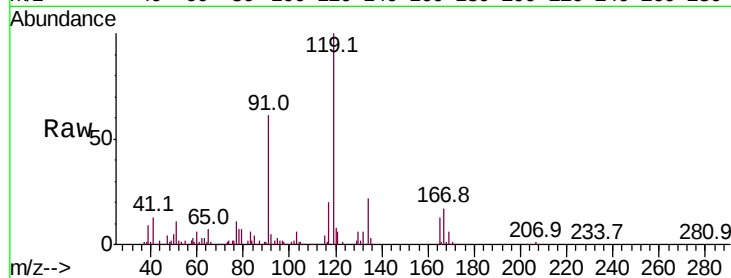
Tot Ion:119 Resp: 100950

Ion Ratio Lower Upper

119 100

91 61.4 31.6 94.7

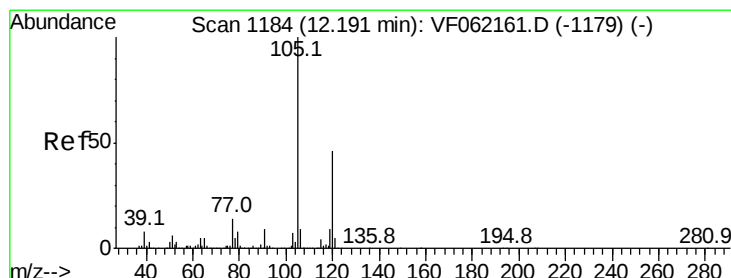
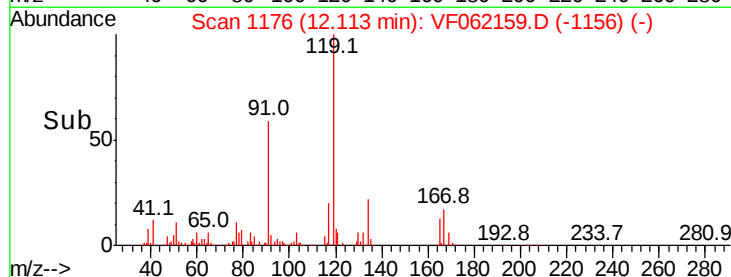
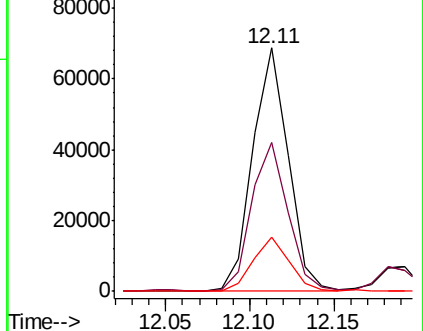
134 22.1 11.1 33.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VF0

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 12.758 ug/l

RT: 12.18 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VF062159.D

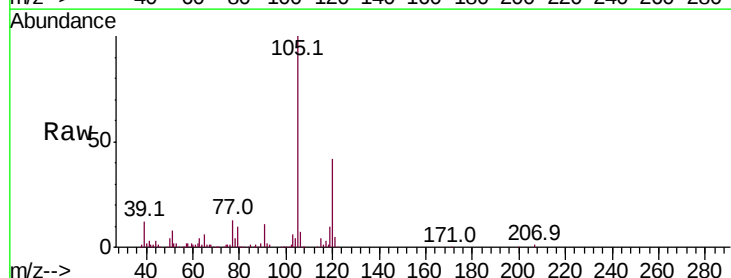
Acq: 4 Apr 2019 16:08

Tgt Ion:105 Resp: 97853

Ion Ratio Lower Upper

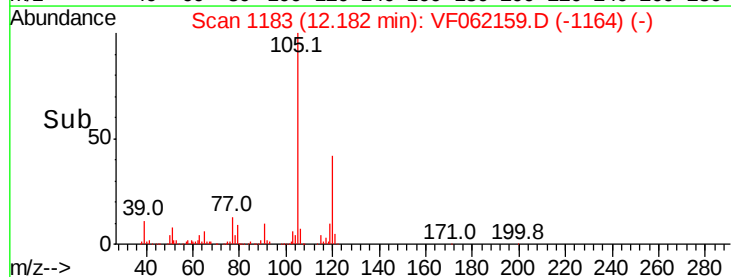
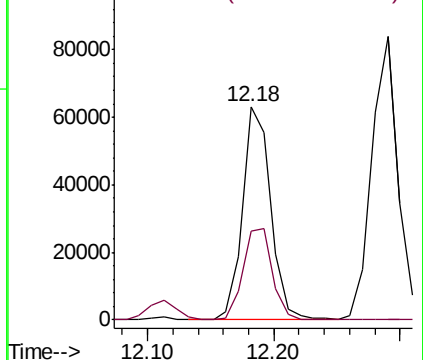
105 100

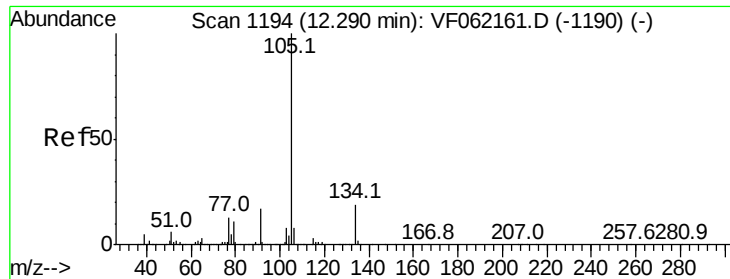
120 41.6 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

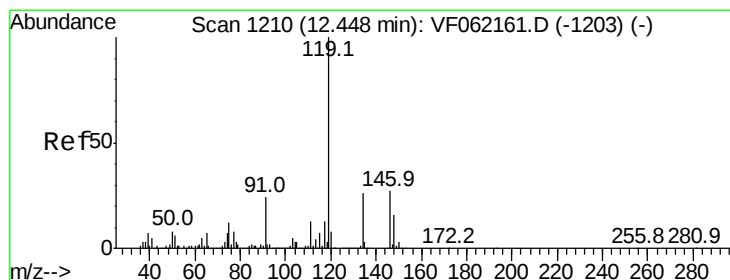
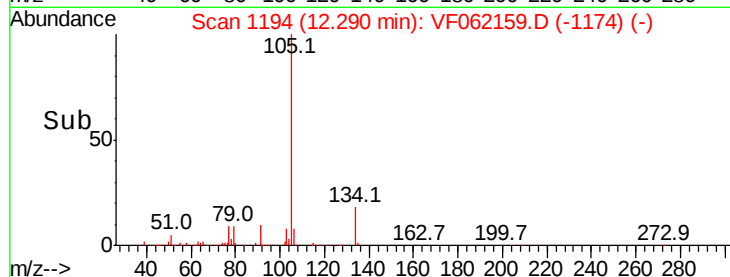
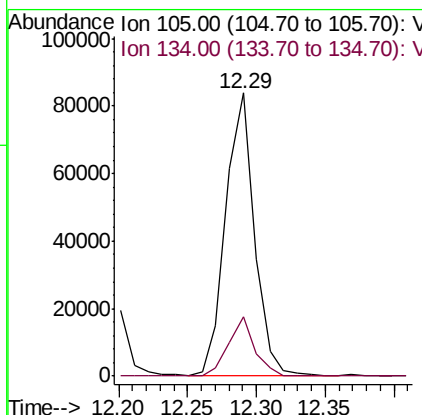
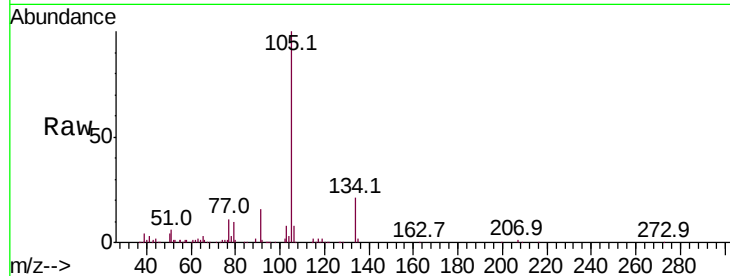




#85
 sec-Butylbenzene
 Concen: 11.524 ug/l
 RT: 12.29 min Scan# 1194
 Delta R.T. 0.00 min
 Lab File: VF062159.D
 Acq: 4 Apr 2019 16:08

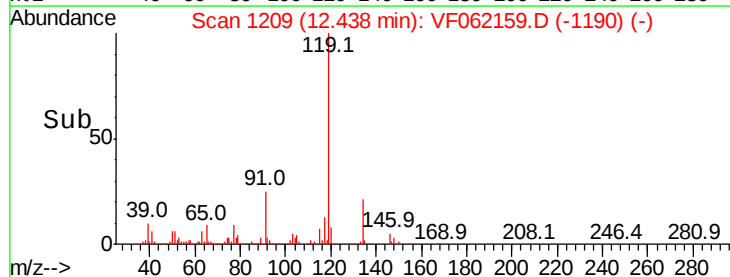
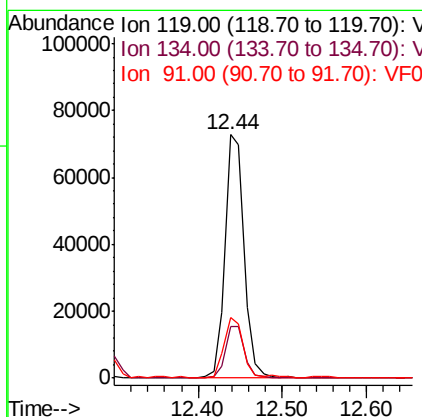
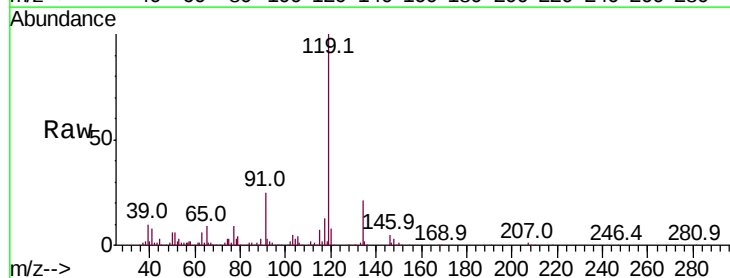
Instrument :
 MSVOA_F
 ClientSampleId :
 VSTDIC010

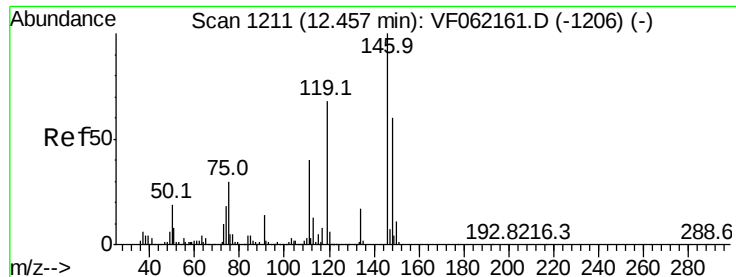
Tot Ion:105 Resp: 120761
 Ion Ratio Lower Upper
 105 100
 134 21.1 9.3 28.0



#86
 p-Isopropyltoluene
 Concen: 12.382 ug/l
 RT: 12.44 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: VF062159.D
 Acq: 4 Apr 2019 16:08

Tgt Ion:119 Resp: 114348
 Ion Ratio Lower Upper
 119 100
 134 21.0 13.2 39.5
 91 24.8 12.0 36.0





#87

1,3-Dichlorobenzene

Concen: 11.071 ug/l

RT: 12.46 min Scan# 1211

Delta R.T. 0.00 min

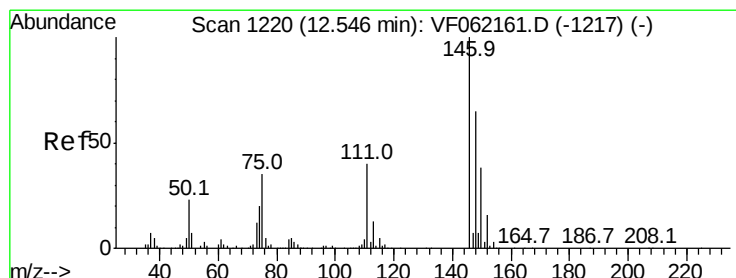
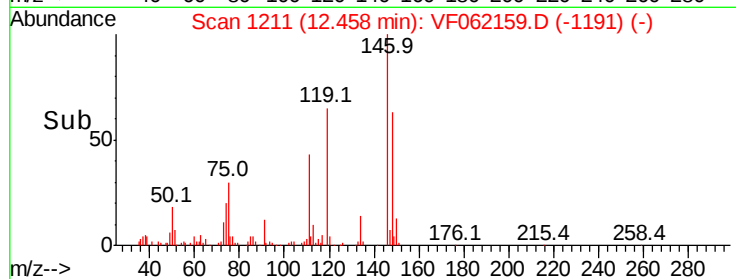
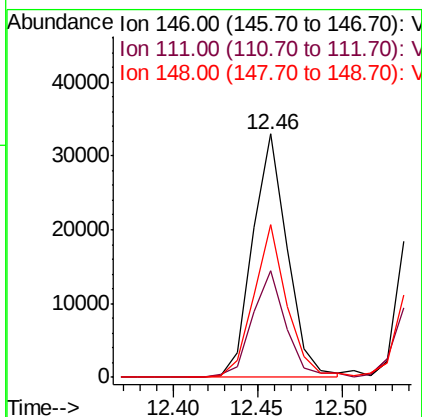
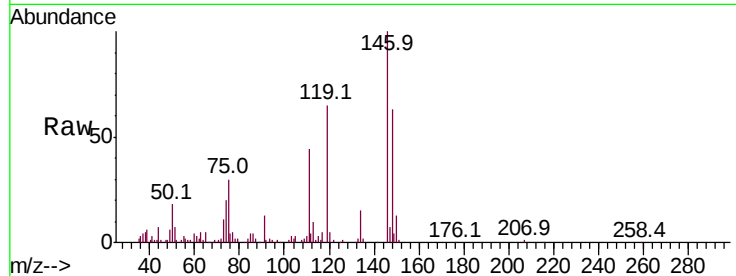
Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:146 Resp: 47224

Ion	Ratio	Lower	Upper
146	100		
111	44.0	19.9	59.6
148	62.7	30.0	90.0



#88

1,4-Dichlorobenzene

Concen: 11.766 ug/l

RT: 12.55 min Scan# 1220

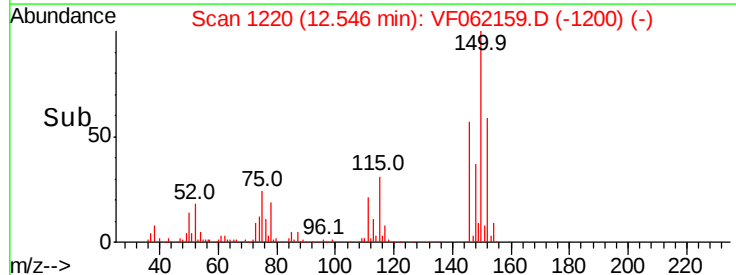
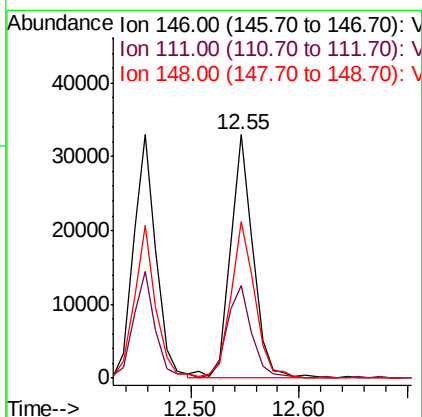
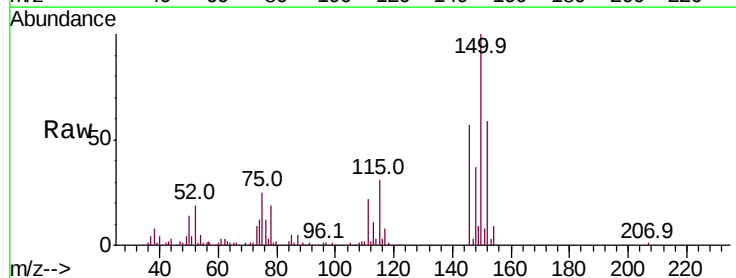
Delta R.T. 0.00 min

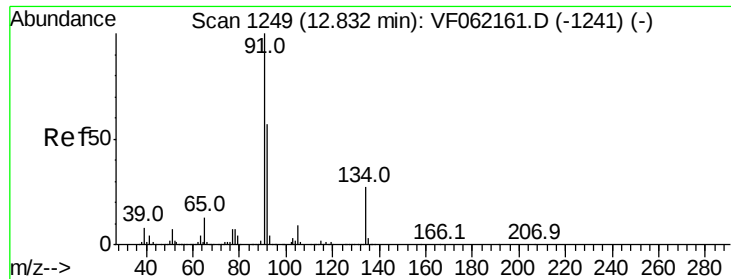
Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Tgt Ion:146 Resp: 48357

Ion	Ratio	Lower	Upper
146	100		
111	37.9	20.1	60.2
148	64.5	32.5	97.4

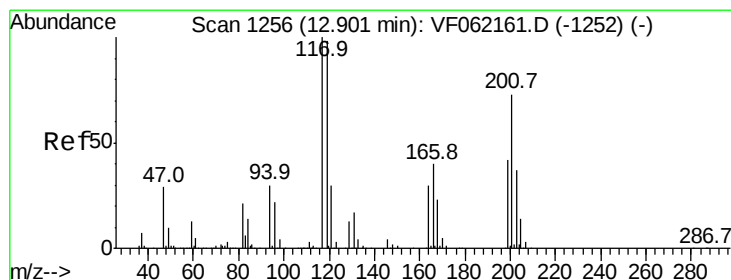
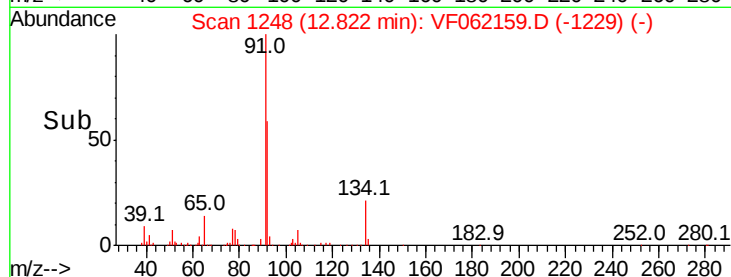
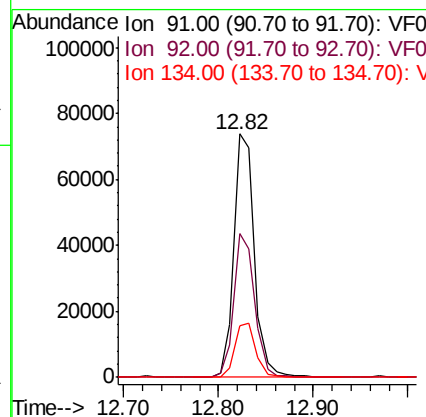
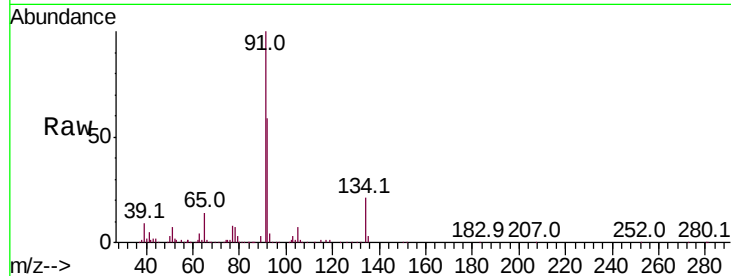




#89
n-Butylbenzene
Concen: 12.749 ug/l
RT: 12.82 min Scan# 1248
Delta R.T. -0.01 min
Lab File: VF062159.D
Acq: 4 Apr 2019 16:08

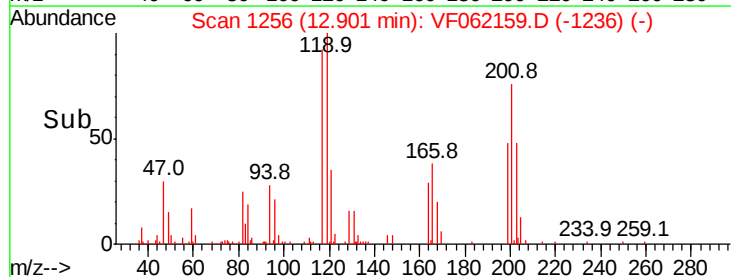
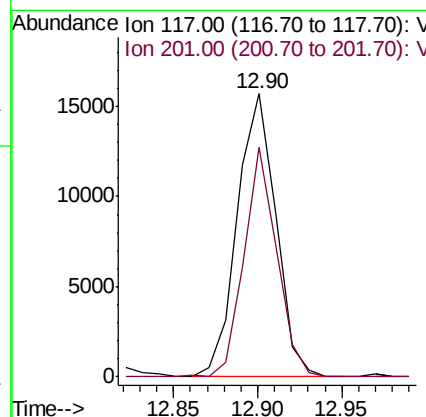
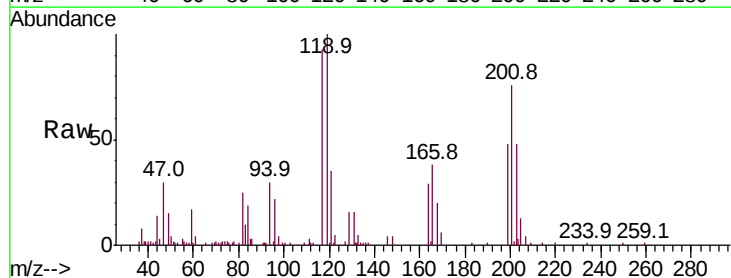
Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

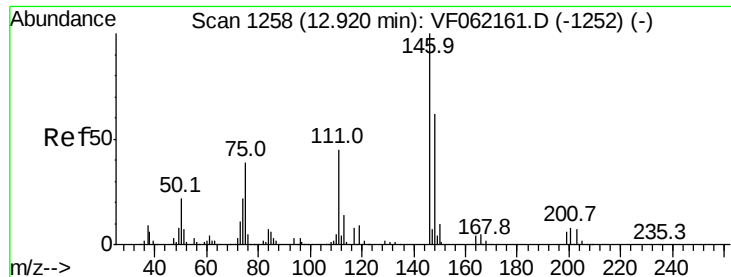
Tot Ion: 91 Resp: 111679
Ion Ratio Lower Upper
91 100
92 59.0 28.3 85.0
134 21.3 13.6 40.8



#90
Hexachloroethane
Concen: 11.569 ug/l
RT: 12.90 min Scan# 1256
Delta R.T. 0.00 min
Lab File: VF062159.D
Acq: 4 Apr 2019 16:08

Tgt Ion: 117 Resp: 24942
Ion Ratio Lower Upper
117 100
201 81.3 36.8 110.4





#91

1,2-Dichlorobenzene

Concen: 11.583 ug/l

RT: 12.92 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

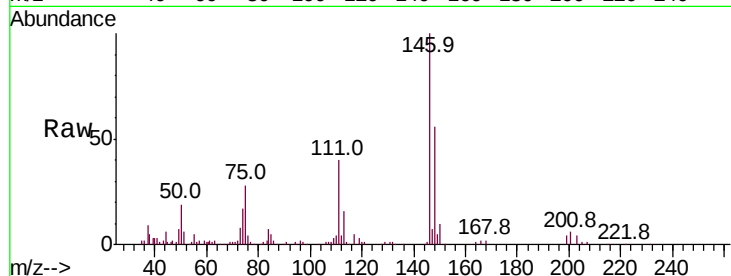
Tot Ion:146 Resp: 45767

Ion Ratio Lower Upper

146 100

111 39.7 22.4 67.0

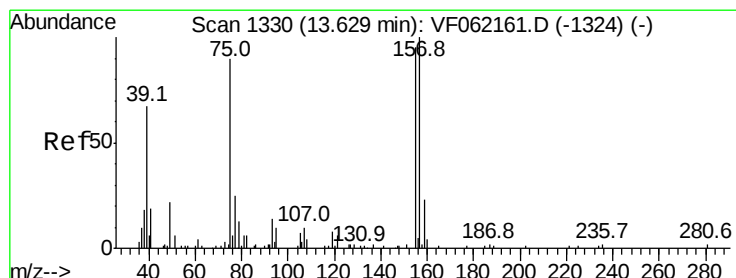
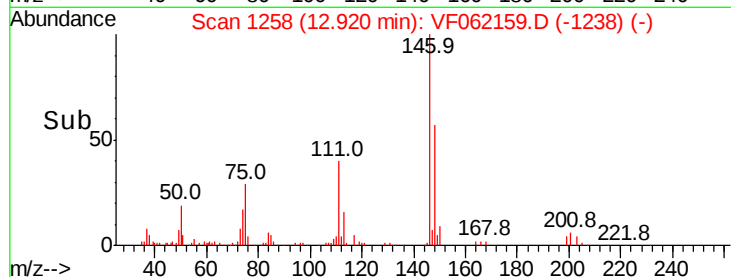
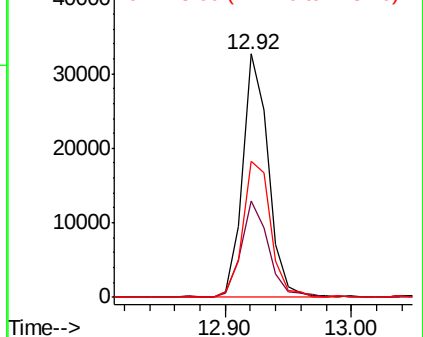
148 56.1 30.9 92.7



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: 12.025 ug/l

RT: 13.63 min Scan# 1330

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

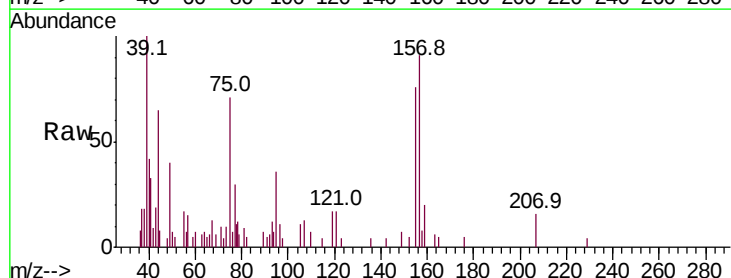
Tgt Ion: 75 Resp: 3016

Ion Ratio Lower Upper

75 100

155 106.8 52.8 158.3

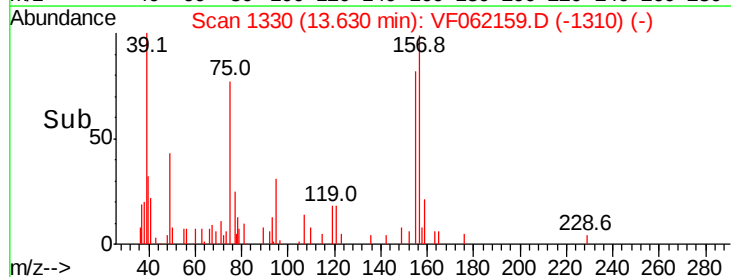
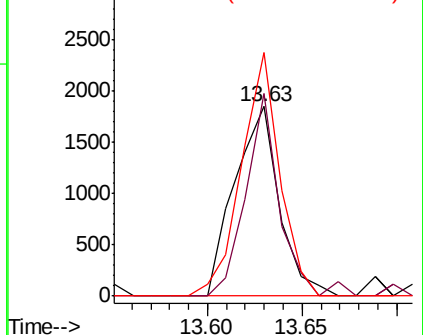
157 128.3 55.7 167.1

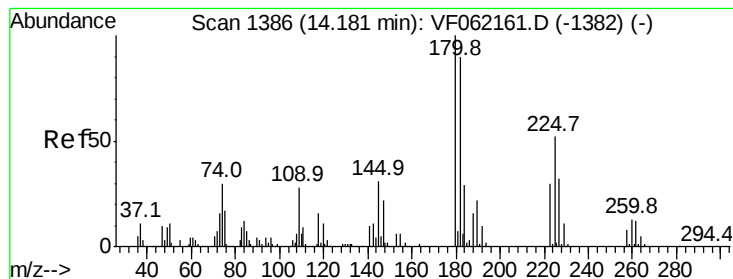


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V





#93

1,2,4-Trichlorobenzene

Concen: 11.134 ug/l

RT: 14.18 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

Instrument :

MSVOA_F

ClientSampleId :

VSTDIC010

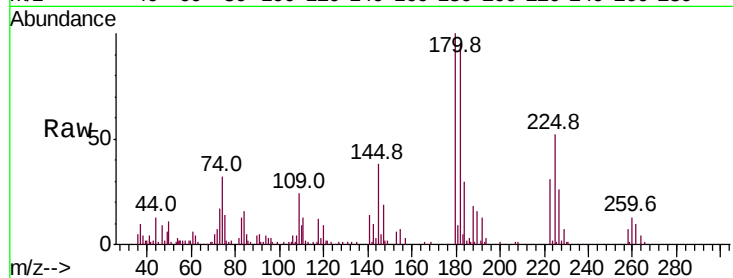
Tot Ion:180 Resp: 30987

Ion Ratio Lower Upper

180 100

182 95.5 45.1 135.2

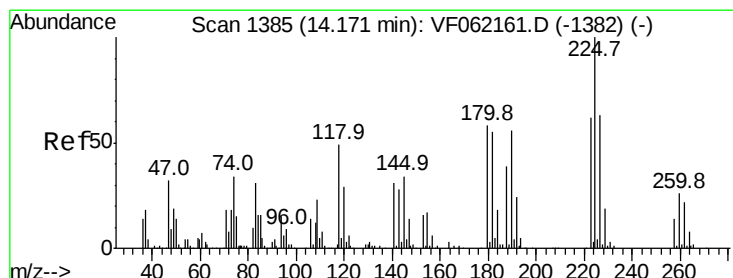
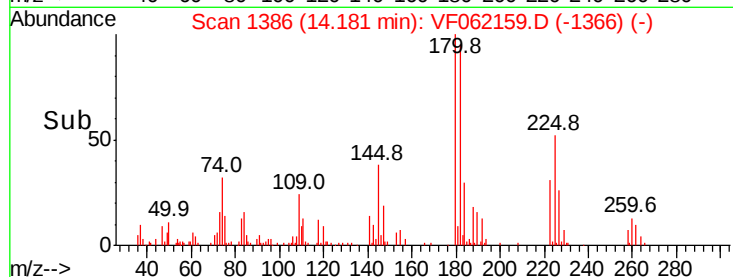
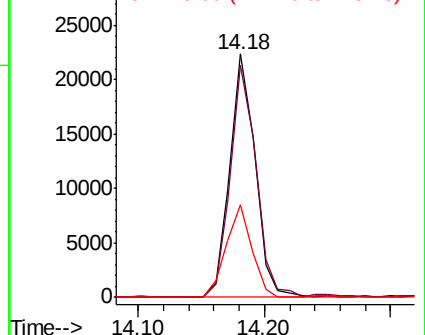
145 38.0 15.4 46.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#94

Hexachlorobutadiene

Concen: 11.931 ug/l

RT: 14.17 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VF062159.D

Acq: 4 Apr 2019 16:08

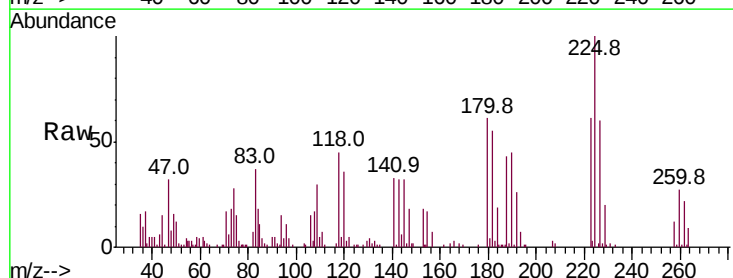
Tgt Ion:225 Resp: 21934

Ion Ratio Lower Upper

225 100

223 64.0 31.0 93.0

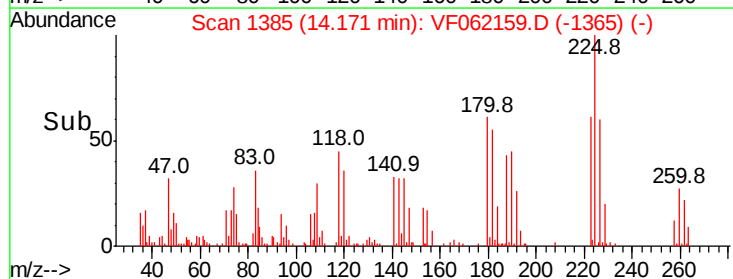
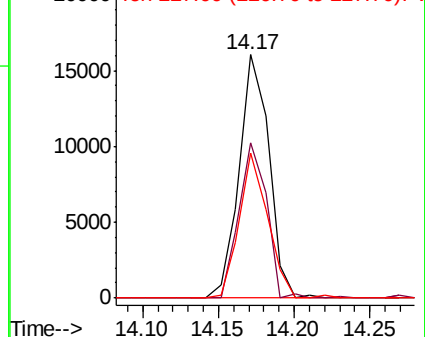
227 59.7 32.8 98.3

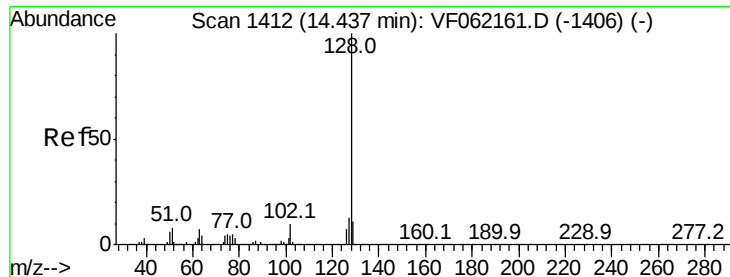


Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

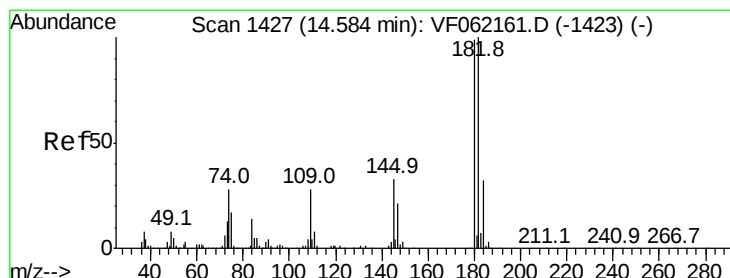
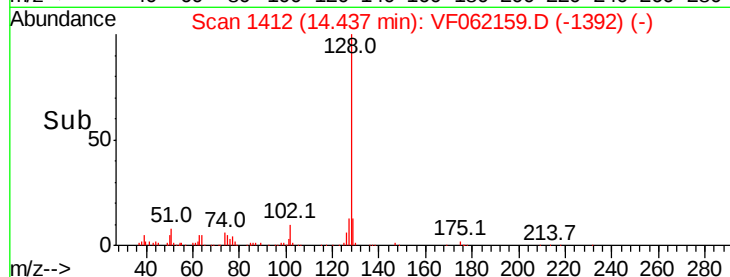
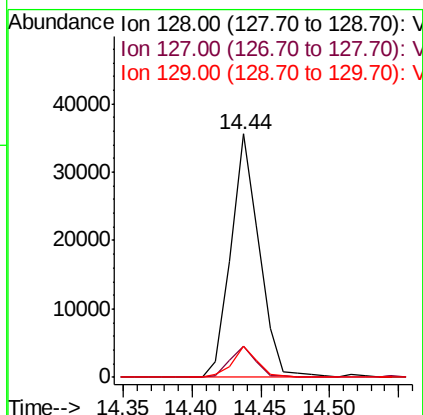
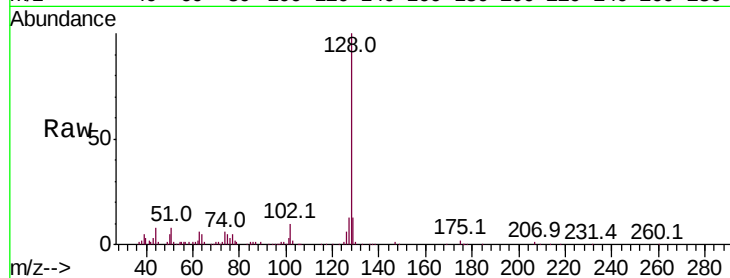




#95
Naphthalene
Concen: 10.710 ug/l
RT: 14.44 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VF062159.D
Acq: 4 Apr 2019 16:08

Instrument :
MSVOA_F
ClientSampleId :
VSTDIC010

Tot Ion:128 Resp: 50998
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 12.6 8.4 12.6



#96
1,2,3-Trichlorobenzene
Concen: 10.462 ug/l
RT: 14.58 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VF062159.D
Acq: 4 Apr 2019 16:08

Tgt Ion:180 Resp: 26698
Ion Ratio Lower Upper
180 100
182 101.1 50.4 151.2
145 28.6 16.7 50.1

