

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080218\
 Data File : VF059819.D
 Acq On : 2 Aug 2018 23:48
 Operator : VA/AP
 Sample : VF0802SBSD01
 Misc : 5.00µg/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD01

Quant Time: Aug 03 02:32:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	199767	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	301316	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	281663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	171737	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	169976	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
35) Dibromofluoromethane	4.29	113	146850	46.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.84%	
50) Toluene-d8	7.70	98	347116	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
62) 4-Bromofluorobenzene	11.50	95	186852	46.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	0.98	85	56152	21.830	ug/l	93
3) Chloromethane	1.08	50	30612	23.810	ug/l	98
4) Vinyl Chloride	1.15	62	31679	23.644	ug/l #	85
5) Bromomethane	1.33	94	26324	23.679	ug/l	91
6) Chloroethane	1.41	64	18722	22.461	ug/l #	78
7) Trichlorofluoromethane	1.53	101	46749	12.531	ug/l	97
8) Diethyl Ether	1.70	74	12892	20.211	ug/l	71
9) 1,1,2-Trichlorotrifluoroet	1.89	101	45910	23.497	ug/l	96
10) Methyl Iodide	1.95	142	68188	22.718	ug/l	94
11) Tert butyl alcohol	2.70	59	18039	123.877	ug/l #	91
12) 1,1-Dichloroethene	1.85	96	33427	21.607	ug/l	90
13) Acrolein	2.09	56	3166	55.136	ug/l	91
14) Allyl chloride	2.19	41	56999	23.077	ug/l #	77
15) Acrylonitrile	3.07	53	31922	137.640	ug/l #	88
16) Acetone	2.33	43	55078	85.290	ug/l #	92
17) Carbon Disulfide	1.88	76	82618	23.143	ug/l #	92
18) Methyl Acetate	2.45	43	34050	32.203	ug/l	94
19) Methyl tert-butyl Ether	2.54	73	100426	21.287	ug/l	97
20) Methylene Chloride	2.27	84	15419	4.485	ug/l	89
21) trans-1,2-Dichloroethene	2.40	96	34455	24.123	ug/l	97
22) Diisopropyl ether	2.92	45	123410	23.627	ug/l	98
23) Vinyl Acetate	3.33	43	274252	102.125	ug/l	98
24) 1,1-Dichloroethane	2.99	63	79213	21.828	ug/l	99
25) 2-Butanone	4.50	43	76255	105.809	ug/l #	82
26) 2,2-Dichloropropane	3.74	77	52184	20.172	ug/l	94
27) cis-1,2-Dichloroethene	3.62	96	41407	21.308	ug/l	94
28) Bromochloromethane	3.88	49	29522	20.673	ug/l	86
29) Tetrahydrofuran	4.26	42	31718	114.510	ug/l	95
30) Chloroform	4.03	83	108185	21.123	ug/l	97
31) Cyclohexane	3.86	56	45482	23.690	ug/l	93
32) 1,1,1-Trichloroethane	4.27	97	83782	21.089	ug/l	95
36) 1,1-Dichloropropene	4.45	75	70067	20.650	ug/l	96
37) Ethyl Acetate	4.29	43	39492	23.838	ug/l	99
38) Carbon Tetrachloride	4.17	117	92417	19.291	ug/l	98

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Quant Time: Aug 03 02:32:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 15:23:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	5.62	83	55829	21.533	ug/l	95
40) Benzene	4.80	78	129812	21.333	ug/l	97
41) Methacrylonitrile	4.92	41	16828	20.530	ug/l #	87
42) 1,2-Dichloroethane	5.10	62	82680	19.415	ug/l	100
43) Isopropyl Acetate	7.10	43	34590	19.198	ug/l #	88
44) Trichloroethene	5.67	130	48024	20.418	ug/l	90
45) 1,2-Dichloropropane	6.39	63	34970	21.761	ug/l	89
46) Dibromomethane	6.25	93	31285	20.506	ug/l	84
47) Bromodichloromethane	6.54	83	84039	20.227	ug/l	98
48) Methyl methacrylate	6.87	41	25693	18.959	ug/l	92
49) 1,4-Dioxane	6.87	88	3948	431.523	ug/l	97
51) 4-Methyl-2-Pentanone	8.40	43	154593	112.794	ug/l	99
52) Toluene	7.76	92	92532	21.329	ug/l	88
53) t-1,3-Dichloropropene	8.42	75	69869	19.381	ug/l	90
54) cis-1,3-Dichloropropene	7.45	75	72900	20.877	ug/l	98
55) 1,1,2-Trichloroethane	8.63	97	35127	21.315	ug/l	91
56) Ethyl methacrylate	8.75	69	37732	21.954	ug/l	94
57) 1,3-Dichloropropane	8.99	76	60146	21.274	ug/l	94
58) 2-Chloroethyl Vinyl ether	7.77	63	20120	101.394	ug/l	100
59) 2-Hexanone	9.62	43	109555	99.748	ug/l	92
60) Dibromochloromethane	8.85	129	58968	20.278	ug/l	87
61) 1,2-Dibromoethane	9.12	107	42565	22.119	ug/l	100
64) Tetrachloroethene	8.30	164	52792	25.609	ug/l	95
65) Chlorobenzene	9.93	112	124347	22.069	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.06	131	57104	21.708	ug/l	97
67) Ethyl Benzene	10.03	91	223879	22.965	ug/l	98
68) m/p-Xylenes	10.26	106	155513	46.868	ug/l	96
69) o-Xylene	10.82	106	85336	23.757	ug/l	98
70) Styrene	10.90	104	124334	22.849	ug/l	96
71) Bromoform	10.88	173	38537	22.483	ug/l	90
73) Isopropylbenzene	11.22	105	276532	24.540	ug/l	99
74) N-amyl acetate	11.46	43	67983	23.913	ug/l	92
75) 1,1,2,2-Tetrachloroethane	11.78	83	58153	27.415	ug/l	94
76) 1,2,3-Trichloropropane	11.88	75	42843	23.753	ug/l	91
77) Bromobenzene	11.59	156	72673	24.697	ug/l	91
78) n-propylbenzene	11.68	91	301364	23.428	ug/l	99
79) 2-Chlorotoluene	11.81	91	192002	24.142	ug/l	99
80) 1,3,5-Trimethylbenzene	11.90	105	237776	24.082	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.95	75	22418	30.011	ug/l	93
82) 4-Chlorotoluene	11.98	91	200353	23.690	ug/l	100
83) tert-Butylbenzene	12.21	119	236474	23.377	ug/l	99
84) 1,2,4-Trimethylbenzene	12.28	105	242119	24.374	ug/l	100
85) sec-Butylbenzene	12.38	105	306691	23.824	ug/l	96
86) p-Isopropyltoluene	12.54	119	266420	23.598	ug/l	98
87) 1,3-Dichlorobenzene	12.56	146	121356	21.991	ug/l	97
88) 1,4-Dichlorobenzene	12.64	146	123302	23.154	ug/l	96
89) n-Butylbenzene	12.91	91	251360	23.329	ug/l	94
90) Hexachloroethane	12.99	117	64026	22.527	ug/l	89
91) 1,2-Dichlorobenzene	13.01	146	126248	24.647	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.71	75	13296	25.641	ug/l	79

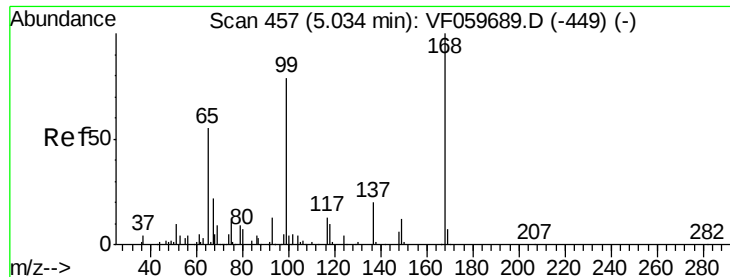
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF080218\
Data File : VF059819.D
Acq On : 2 Aug 2018 23:48
Operator : VA/AP
Sample : VF0802SBSD01
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ClientSampleId :
VF0802SBSD01

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
Quant Title : SW846 8260
QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.26	180	93060	22.218	ug/l	97
94) Hexachlorobutadiene	14.25	225	60641	21.528	ug/l	96
95) Naphthalene	14.52	128	185624	25.070	ug/l	96
96) 1,2,3-Trichlorobenzene	14.66	180	90350	22.076	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

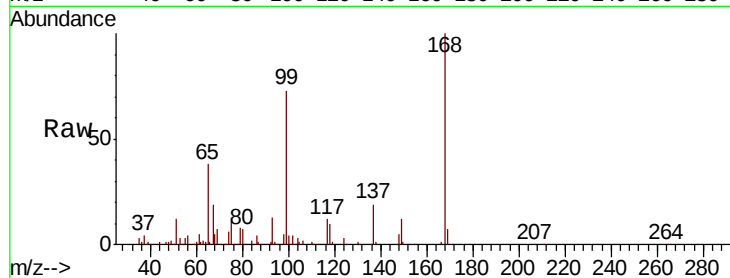
VF0802SBSD01

Tot Ion:168 Resp: 199767

Ion Ratio Lower Upper

168 100

99 72.9 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

80000

60000

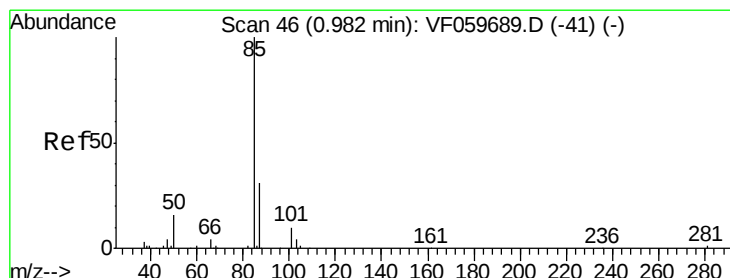
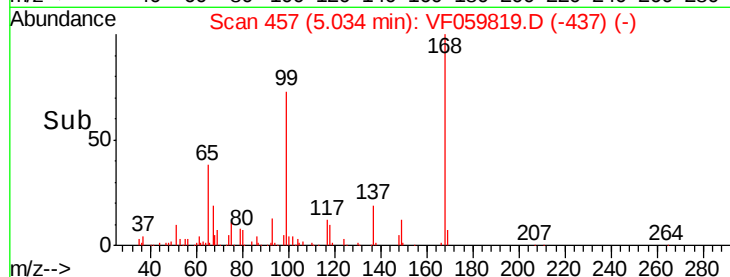
40000

20000

0

Time-->

4.90 5.00 5.10 5.20



#2

Dichlorodifluoromethane

Concen: 21.830 ug/l

RT: 0.98 min Scan# 46

Delta R.T. 0.00 min

Lab File: VF059819.D

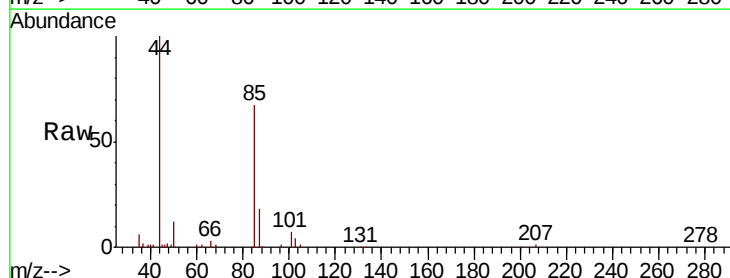
Acq: 2 Aug 2018 23:48

Tgt Ion: 85 Resp: 56152

Ion Ratio Lower Upper

85 100

87 26.7 15.3 45.8



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

0.98

20000

15000

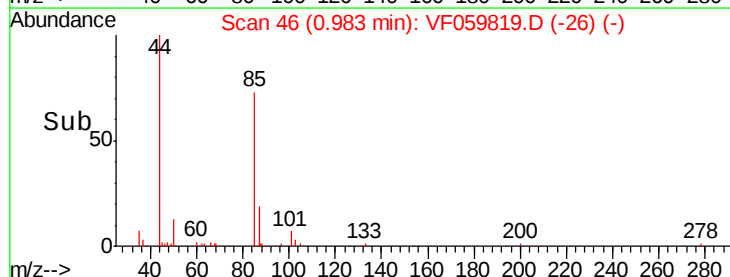
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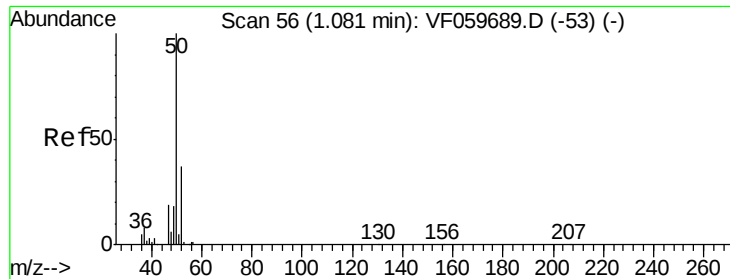
5000

0

Time-->

0.90 1.00 1.10 1.20





#3

Chloromethane

Concen: 23.810 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

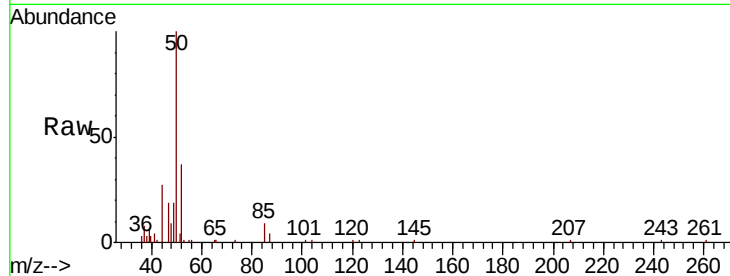
VF0802SBSD01

Tot Ion: 50 Resp: 30612

Ion Ratio Lower Upper

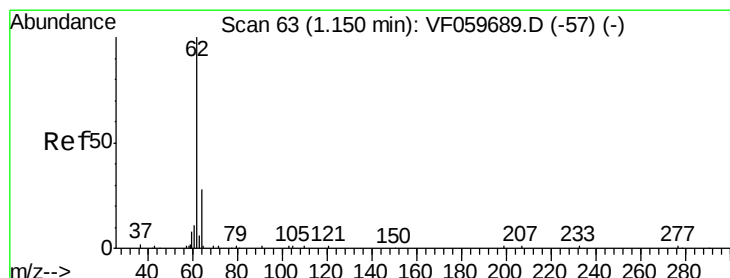
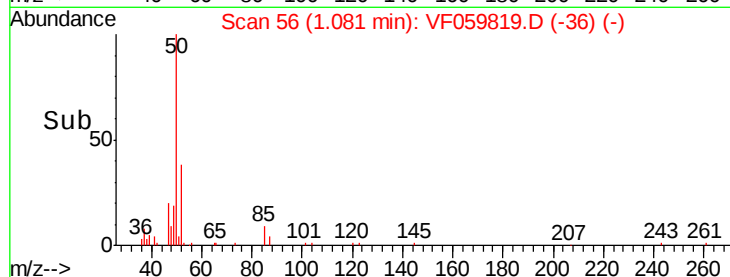
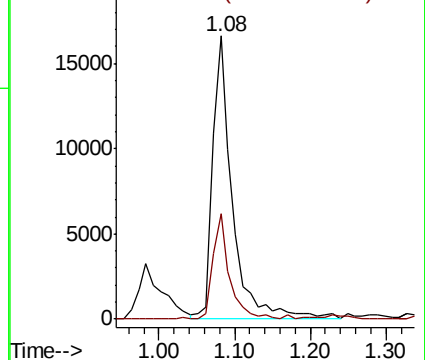
50 100

52 37.4 29.1 43.7



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 23.644 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059819.D

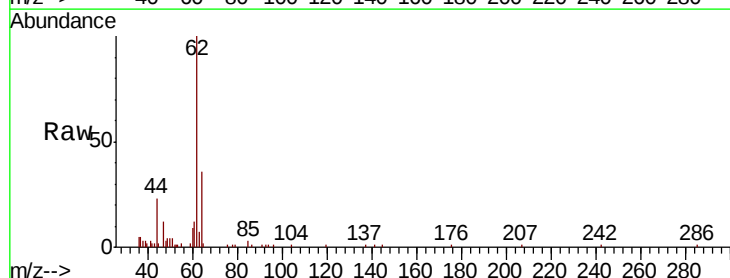
Acq: 2 Aug 2018 23:48

Tgt Ion: 62 Resp: 31679

Ion Ratio Lower Upper

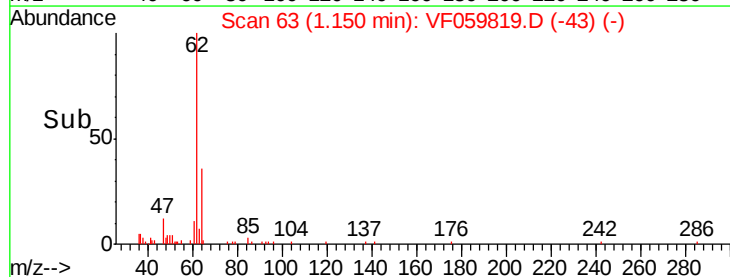
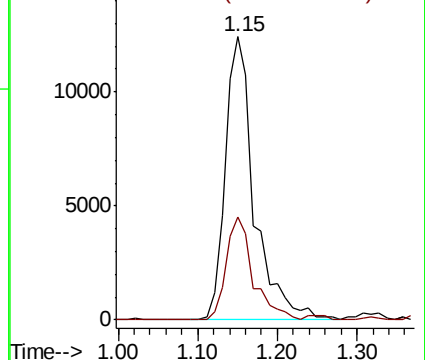
62 100

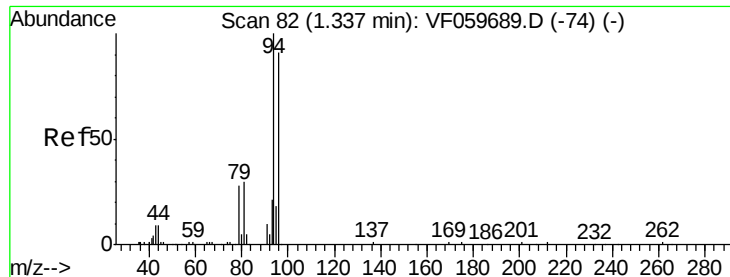
64 36.3 22.6 33.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 23.679 ug/l

RT: 1.33 min Scan# 81

Delta R.T. -0.01 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

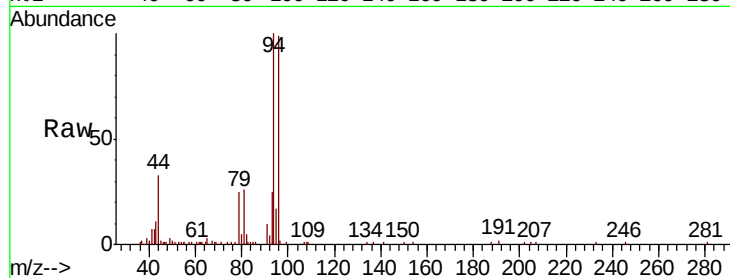
VF0802SBSD01

Tot Ion: 94 Resp: 26324

Ion Ratio Lower Upper

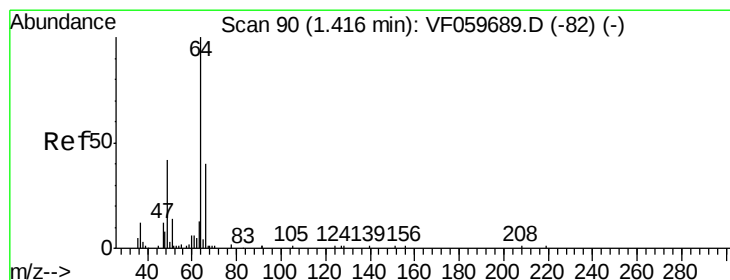
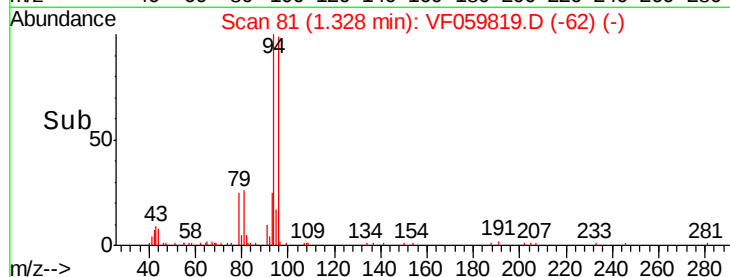
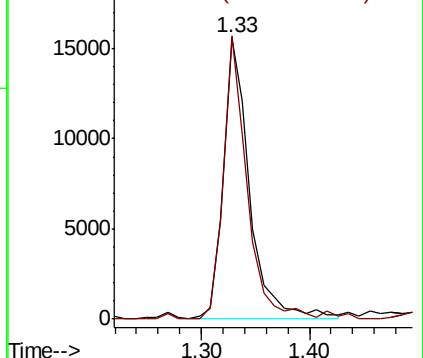
94 100

96 100.7 73.6 110.4



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



#6

Chloroethane

Concen: 22.461 ug/l

RT: 1.41 min Scan# 89

Delta R.T. -0.01 min

Lab File: VF059819.D

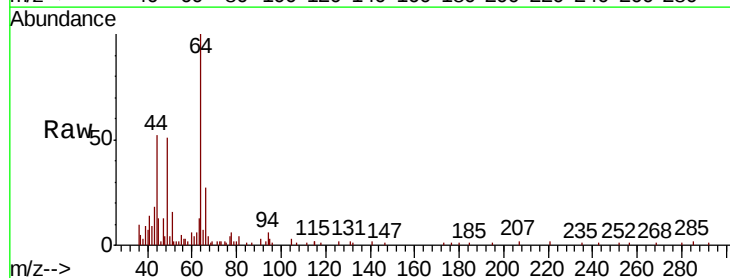
Acq: 2 Aug 2018 23:48

Tgt Ion: 64 Resp: 18722

Ion Ratio Lower Upper

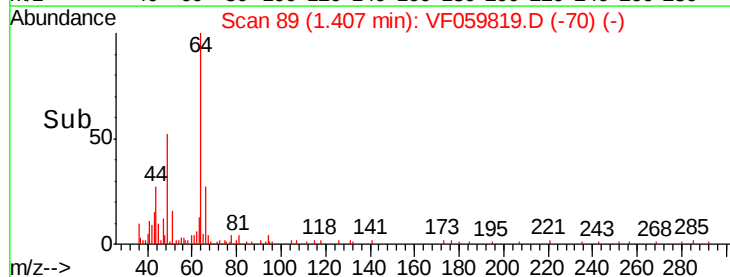
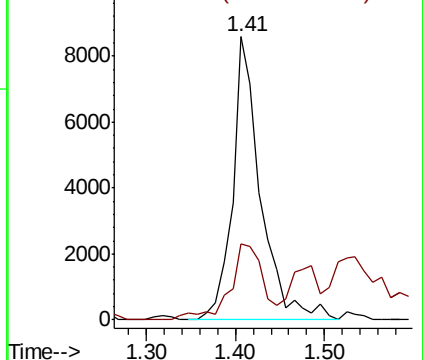
64 100

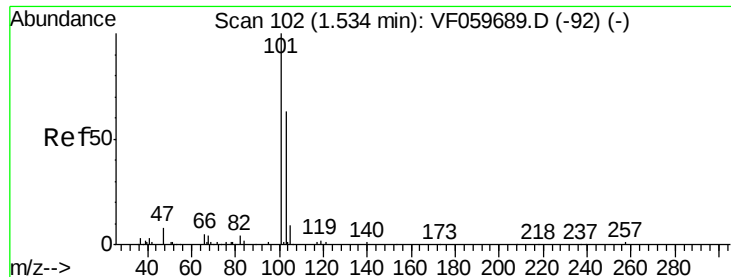
66 27.0 32.6 49.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0



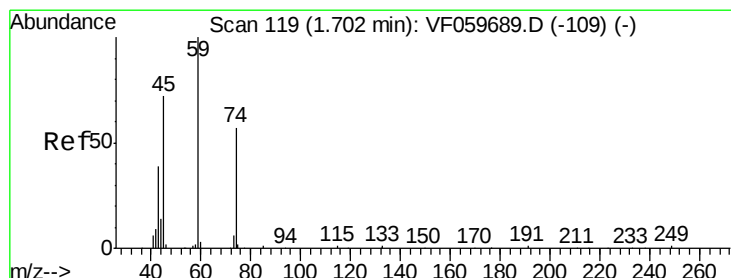
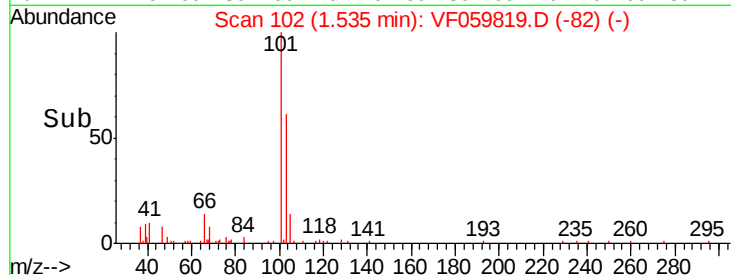
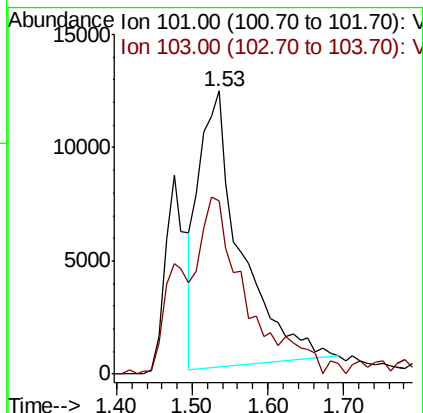
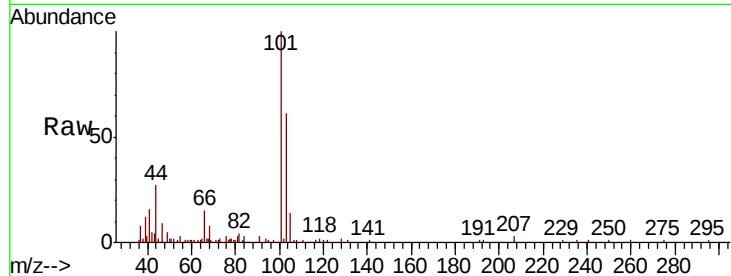


#7

Trichlorofluoromethane
Concen: 12.531 ug/l
RT: 1.53 min Scan# 102
Delta R.T. 0.00 min
Lab File: VF059819.D
Acq: 2 Aug 2018 23:48

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD01

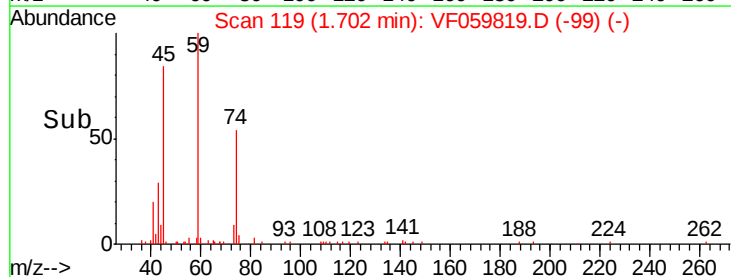
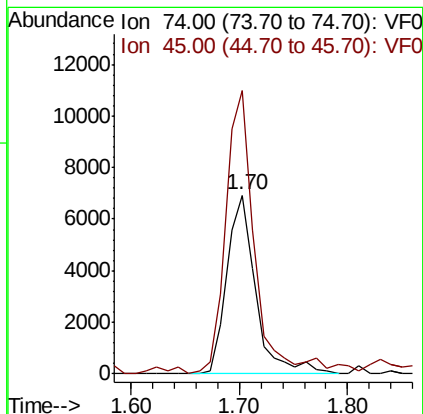
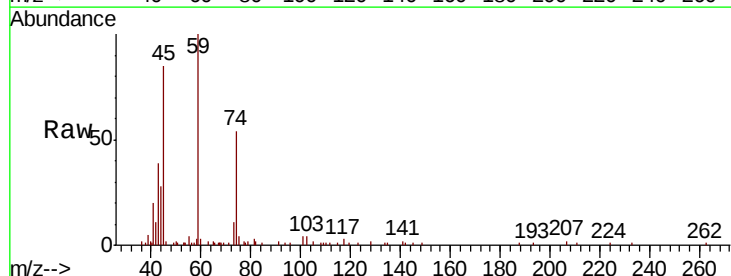
Tot Ion:101 Resp: 46749
Ion Ratio Lower Upper
101 100
103 61.3 50.8 76.2

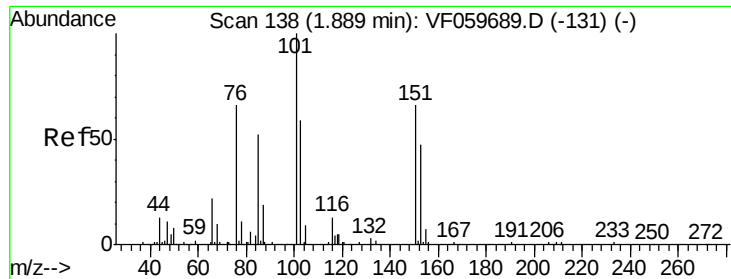


#8

Diethyl Ether
Concen: 20.211 ug/l
RT: 1.70 min Scan# 119
Delta R.T. 0.00 min
Lab File: VF059819.D
Acq: 2 Aug 2018 23:48

Tgt Ion: 74 Resp: 12892
Ion Ratio Lower Upper
74 100
45 158.5 62.7 188.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.497 ug/l

RT: 1.89 min Scan# 138

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

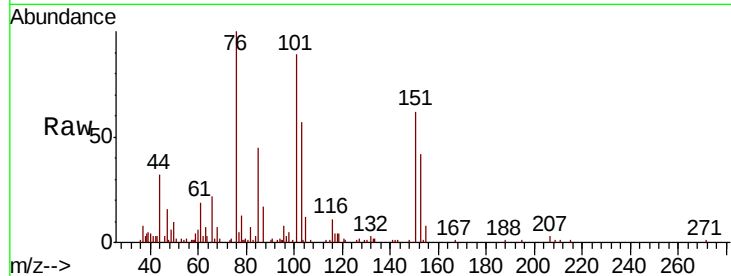
Tot Ion:101 Resp: 45910

Ion Ratio Lower Upper

101 100

85 51.2 40.7 61.1

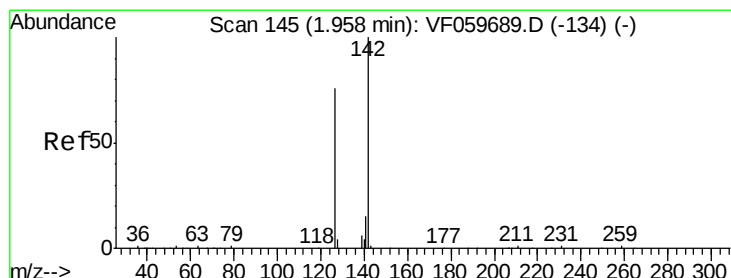
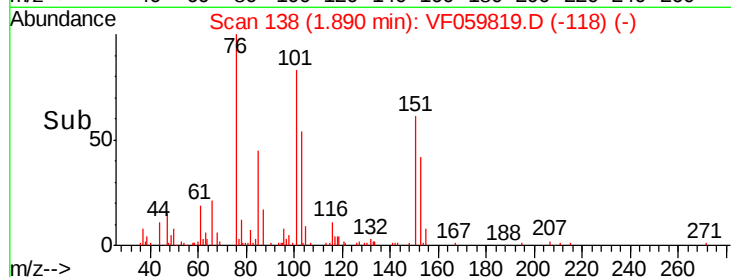
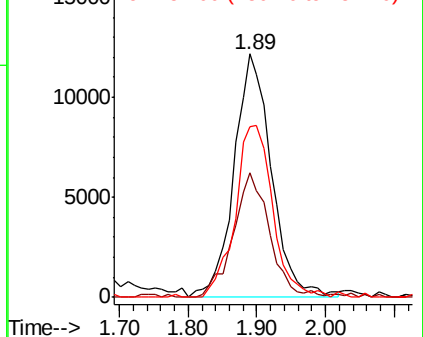
151 70.0 51.4 77.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#10

Methyl Iodide

Concen: 22.718 ug/l

RT: 1.95 min Scan# 144

Delta R.T. -0.01 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

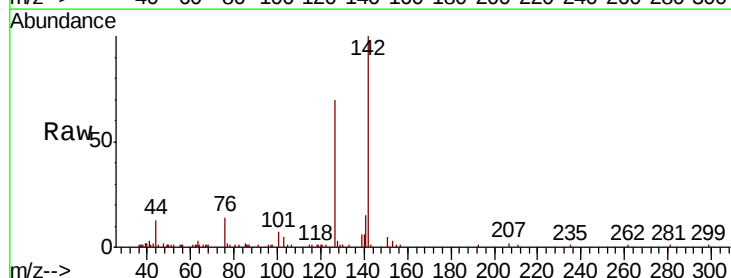
Tgt Ion:142 Resp: 68188

Ion Ratio Lower Upper

142 100

127 69.5 60.6 91.0

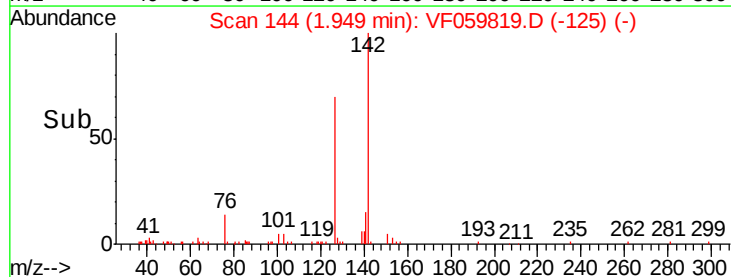
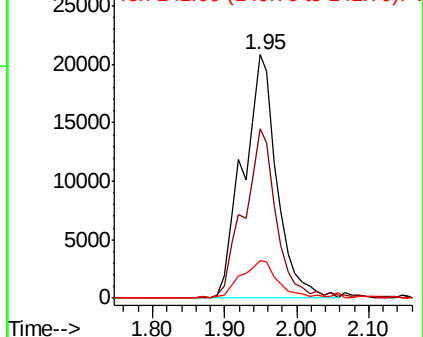
141 15.3 12.0 18.0

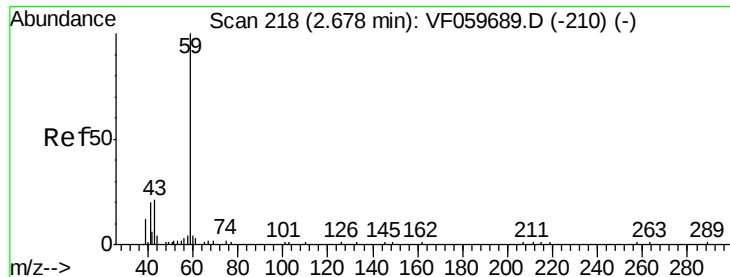


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 141.00 (140.70 to 141.70): V

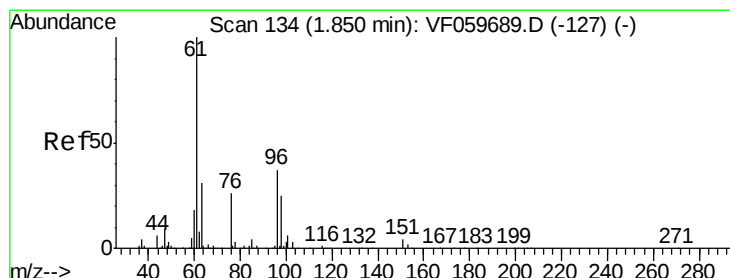
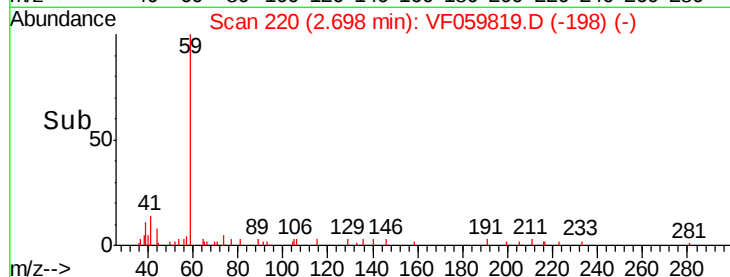
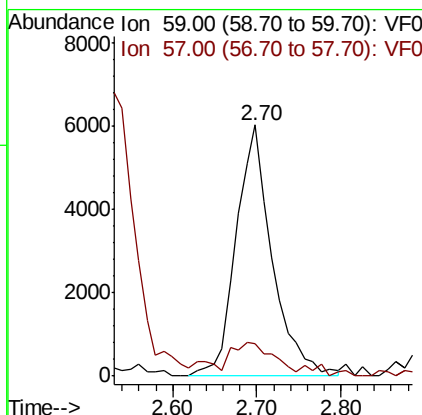
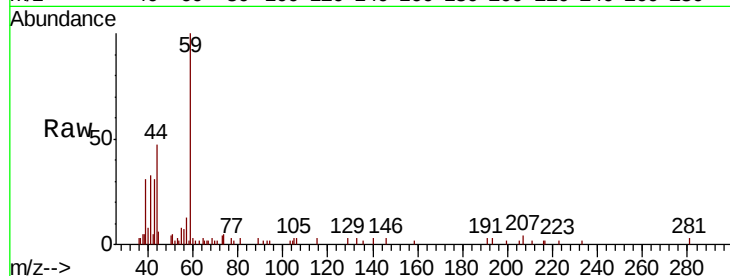




#11
Tert butyl alcohol
Concen: 123.877 ug/l
RT: 2.70 min Scan# 220
Delta R.T. 0.02 min
Lab File: VF059819.D
Acq: 2 Aug 2018 23:48

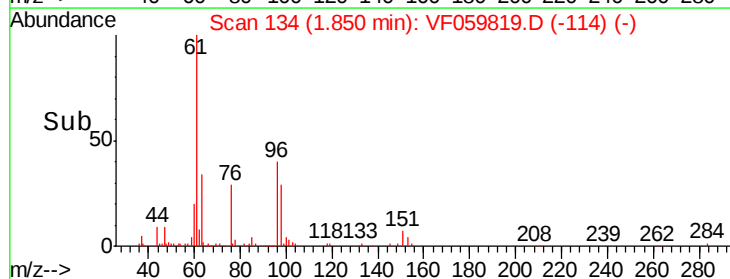
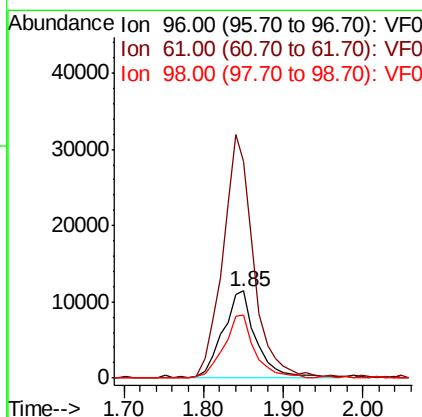
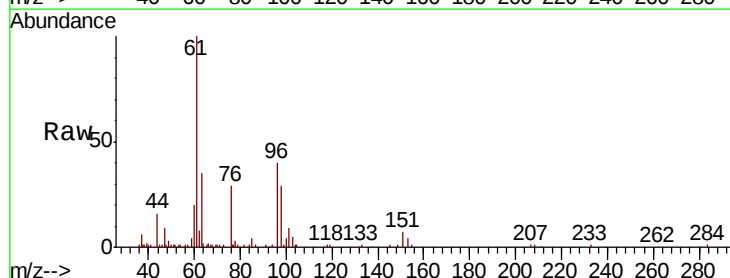
Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD01

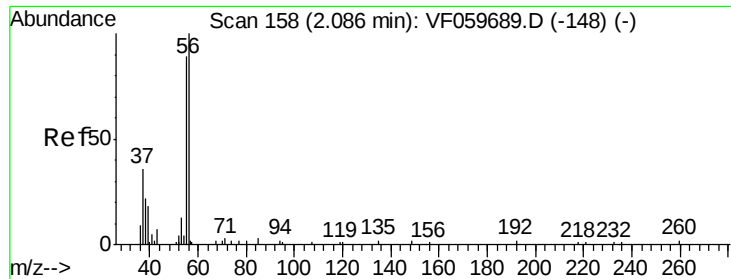
Tot Ion: 59 Resp: 18039
Ion Ratio Lower Upper
59 100
57 12.9 7.6 11.4#



#12
1,1-Dichloroethene
Concen: 21.607 ug/l
RT: 1.85 min Scan# 134
Delta R.T. 0.00 min
Lab File: VF059819.D
Acq: 2 Aug 2018 23:48

Tgt Ion: 96 Resp: 33427
Ion Ratio Lower Upper
96 100
61 248.5 215.1 322.7
98 72.8 54.3 81.5

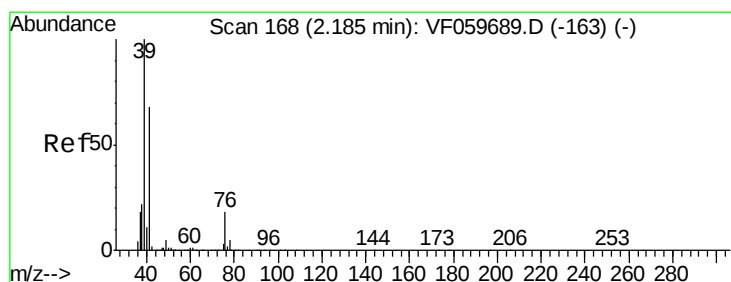
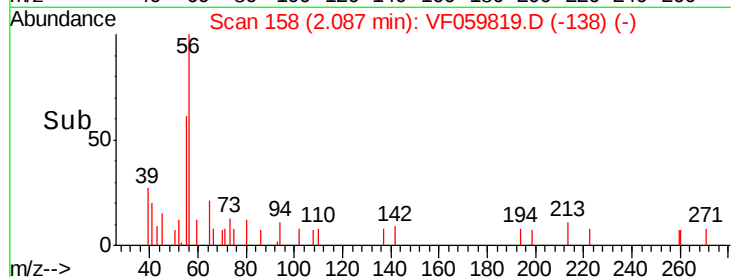
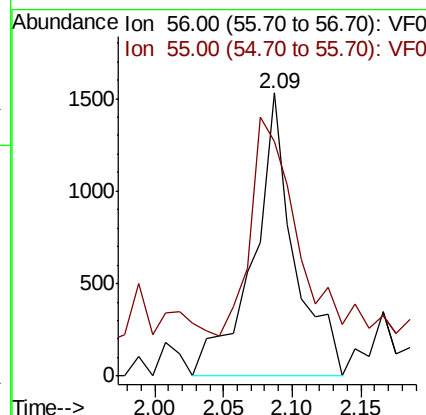
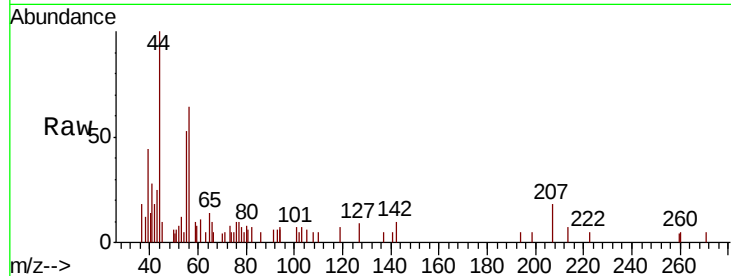




#13
 Acrolein
 Concen: 55.136 ug/l
 RT: 2.09 min Scan# 158
 Delta R.T. 0.00 min
 Lab File: VF059819.D
 Acq: 2 Aug 2018 23:48

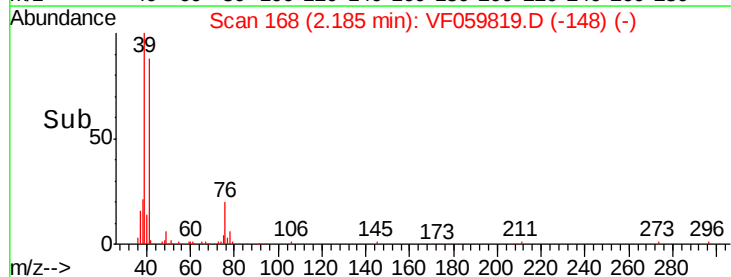
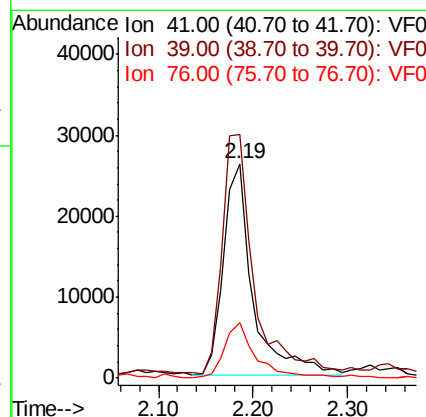
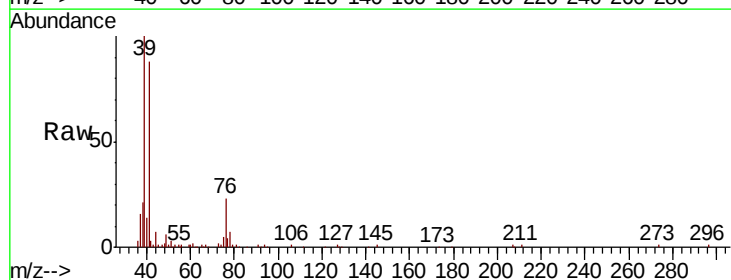
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD01

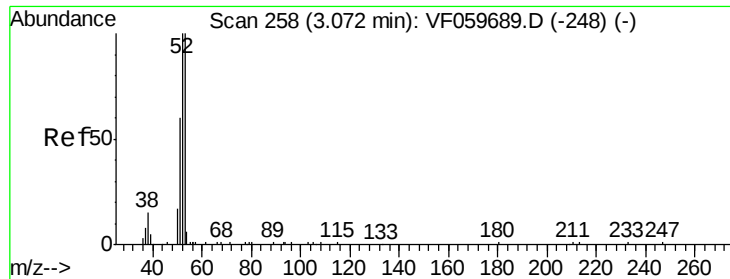
Tot Ion: 56 Resp: 3166
 Ion Ratio Lower Upper
 56 100
 55 82.7 73.2 109.8



#14
 Allyl chloride
 Concen: 23.077 ug/l
 RT: 2.19 min Scan# 168
 Delta R.T. 0.00 min
 Lab File: VF059819.D
 Acq: 2 Aug 2018 23:48

Tgt Ion: 41 Resp: 56999
 Ion Ratio Lower Upper
 41 100
 39 113.6 118.1 177.1#
 76 25.8 22.0 33.0





#15

Acrylonitrile

Concen: 137.640 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

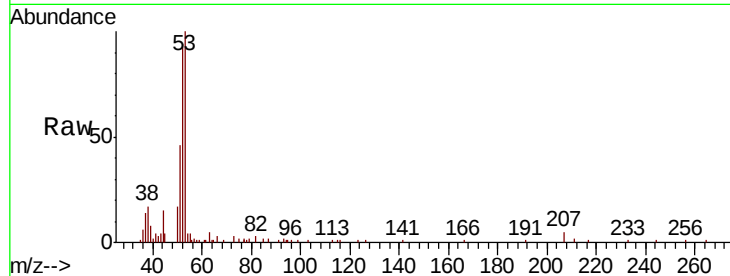
Tot Ion: 53 Resp: 31922

Ion Ratio Lower Upper

53 100

52 93.6 80.3 120.5

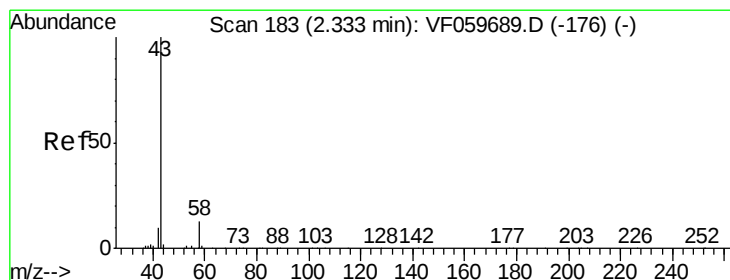
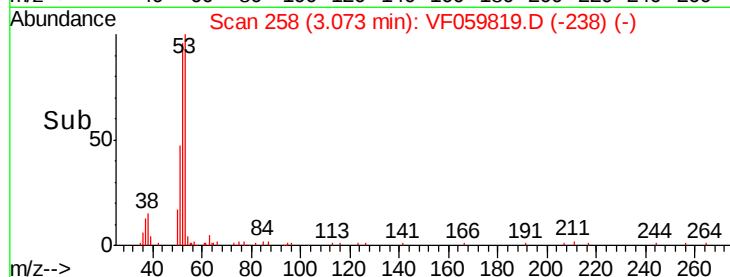
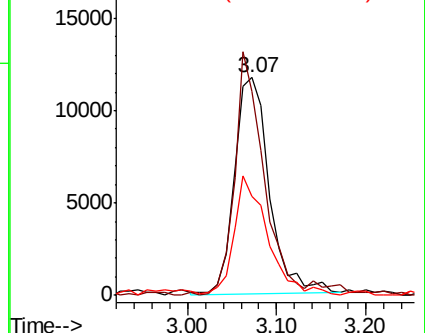
51 45.6 49.4 74.0#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 85.290 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059819.D

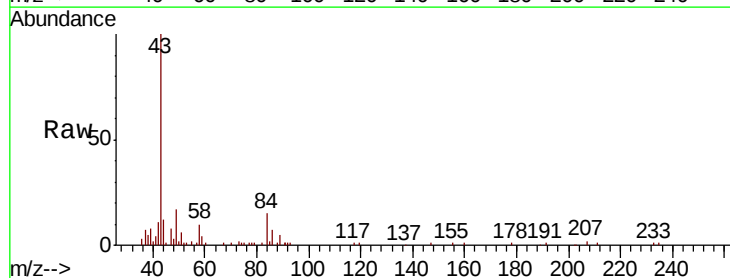
Acq: 2 Aug 2018 23:48

Tgt Ion: 43 Resp: 55078

Ion Ratio Lower Upper

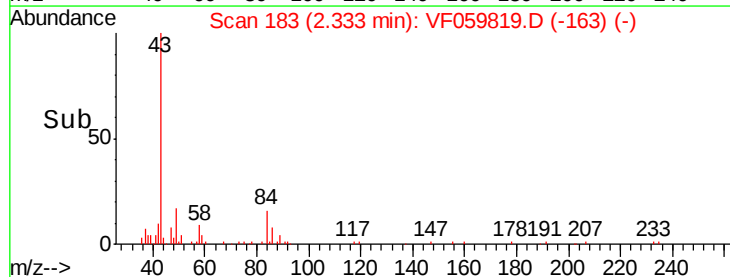
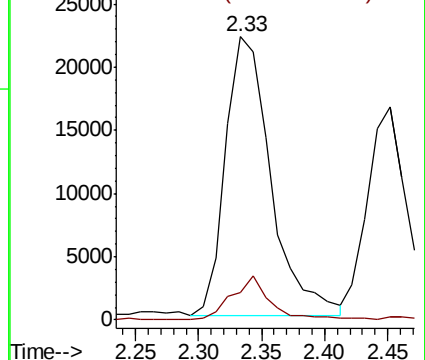
43 100

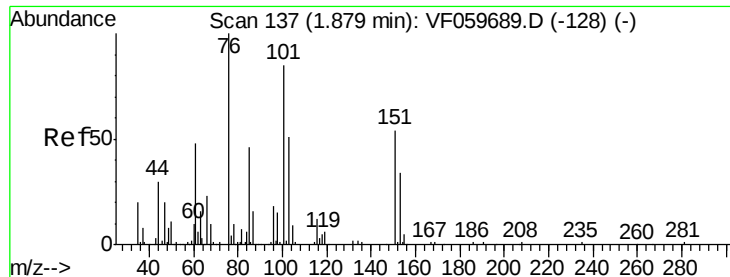
58 9.6 10.1 15.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: 23.143 ug/l

RT: 1.88 min Scan# 137

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

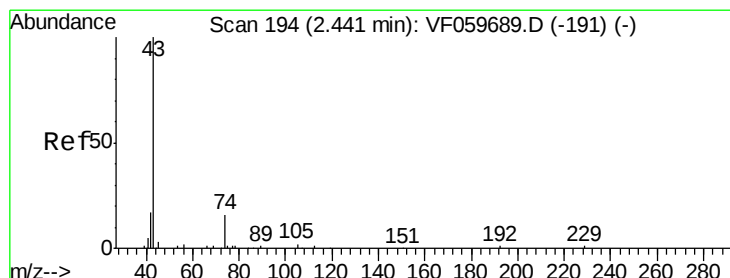
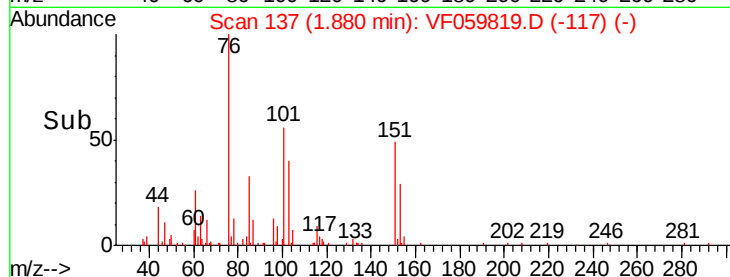
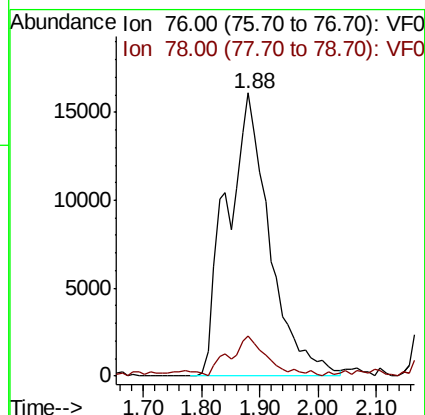
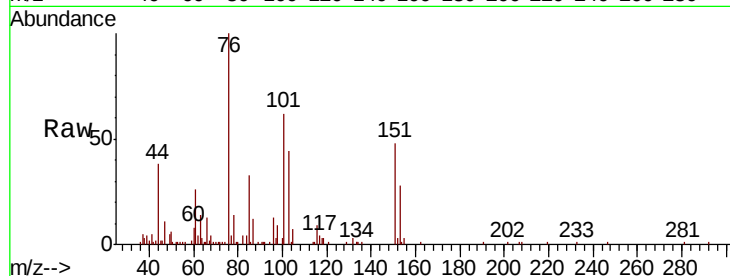
VF0802SBSD01

Tot Ion: 76 Resp: 82618

Ion Ratio Lower Upper

76 100

78 14.3 8.9 13.3#



#18

Methyl Acetate

Concen: 32.203 ug/l

RT: 2.45 min Scan# 195

Delta R.T. 0.01 min

Lab File: VF059819.D

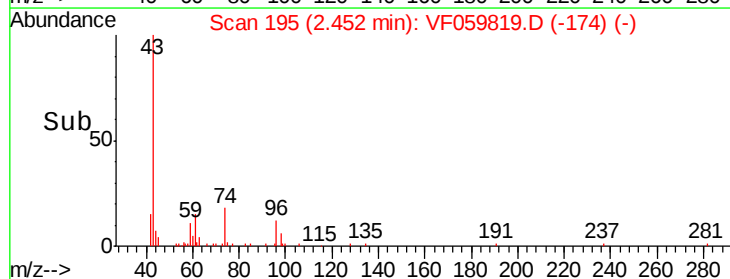
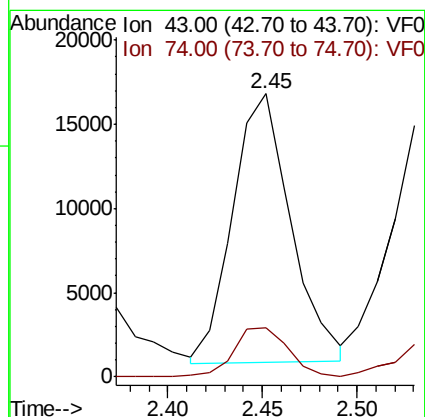
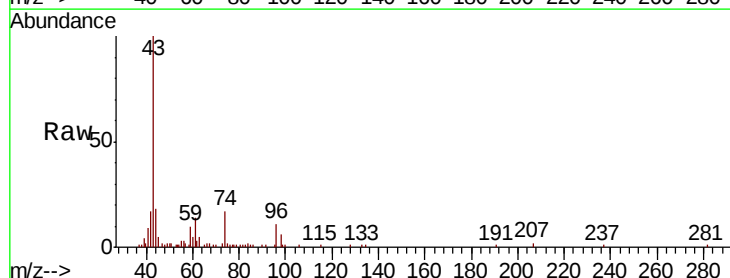
Acq: 2 Aug 2018 23:48

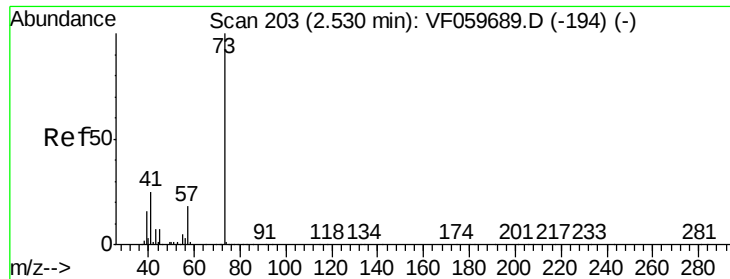
Tgt Ion: 43 Resp: 34050

Ion Ratio Lower Upper

43 100

74 17.2 11.8 17.6



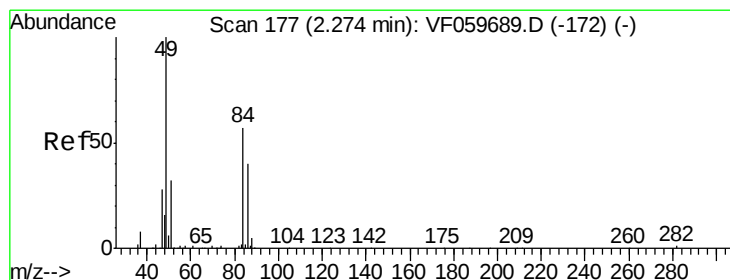
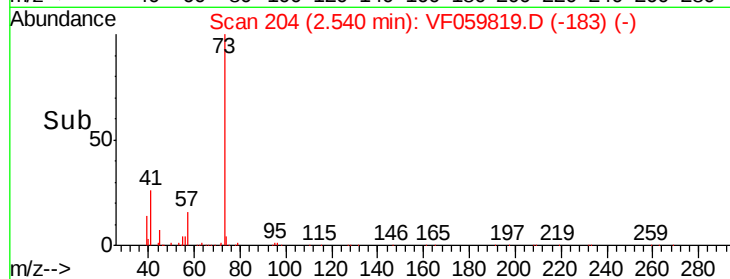
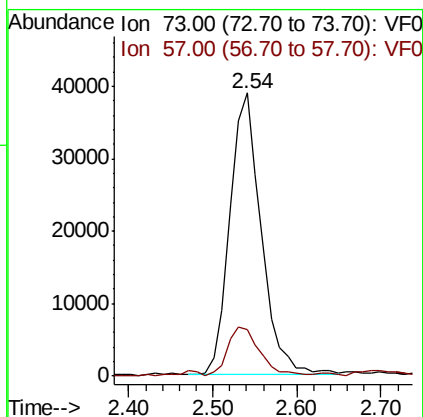
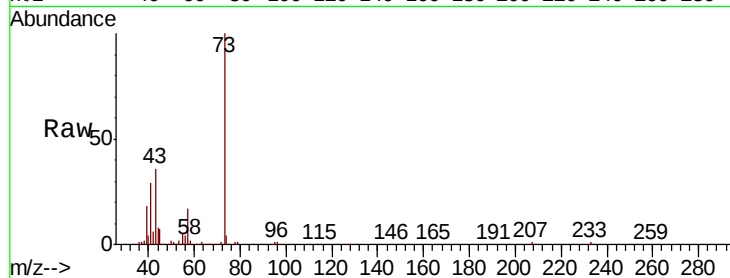


#19

Methyl tert-butyl Ether
 Concen: 21.287 ug/l
 RT: 2.54 min Scan# 204
 Delta R.T. 0.01 min
 Lab File: VF059819.D
 Acq: 2 Aug 2018 23:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD01

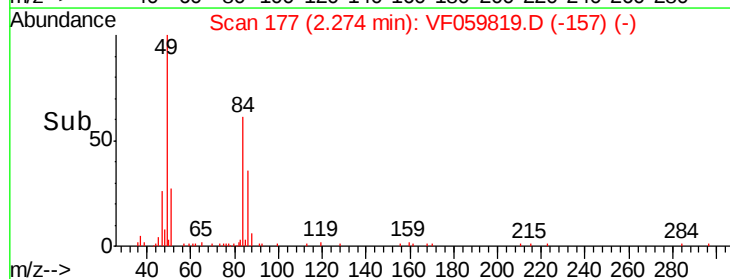
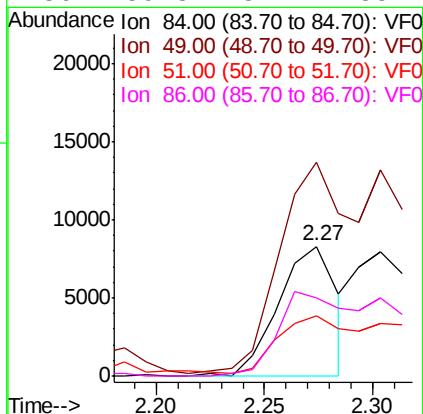
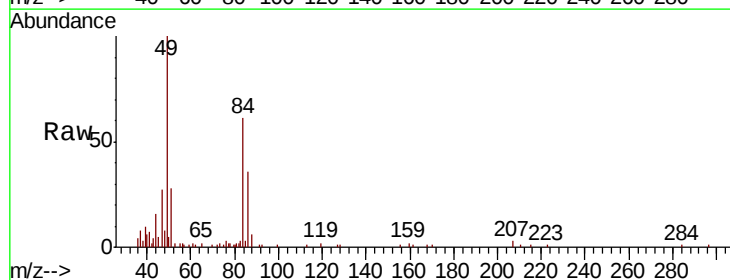
Tot Ion: 73 Resp: 100426
 Ion Ratio Lower Upper
 73 100
 57 16.5 14.2 21.2

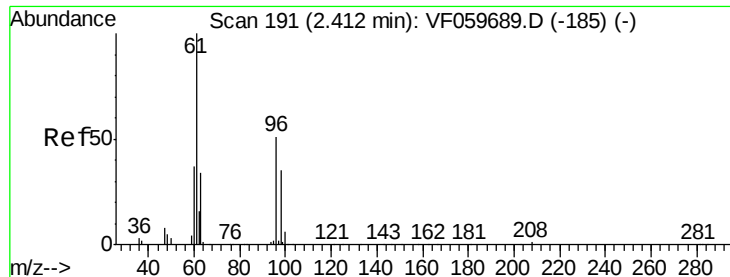


#20

Methylene Chloride
 Concen: 4.485 ug/l
 RT: 2.27 min Scan# 177
 Delta R.T. 0.00 min
 Lab File: VF059819.D
 Acq: 2 Aug 2018 23:48

Tgt Ion: 84 Resp: 15419
 Ion Ratio Lower Upper
 84 100
 49 164.6 142.2 213.4
 51 46.9 46.2 69.2
 86 59.8 57.1 85.7





#21

trans-1,2-Dichloroethene

Concen: 24.123 ug/l

RT: 2.40 min Scan# 190

Delta R.T. -0.01 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

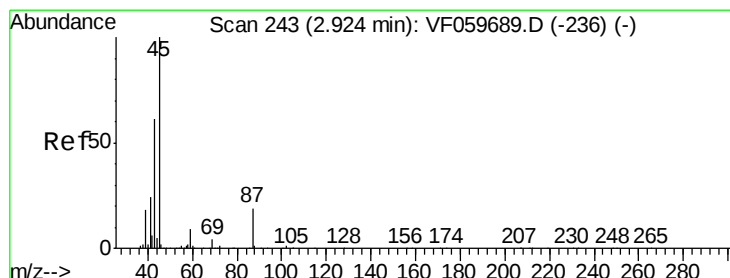
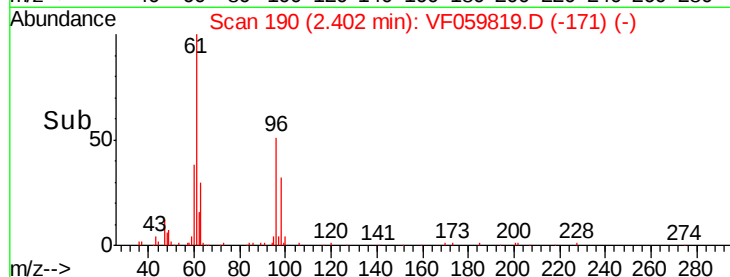
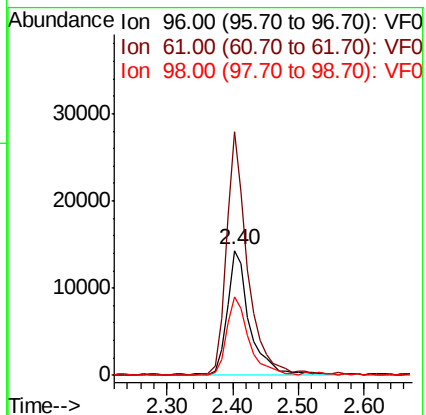
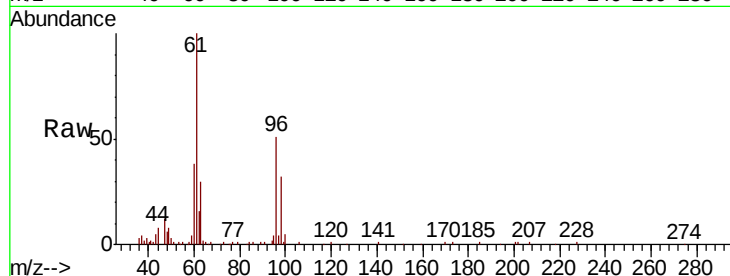
Tot Ion: 96 Resp: 34455

Ion Ratio Lower Upper

96 100

61 195.2 157.4 236.0

98 63.1 55.0 82.4



#22

Diisopropyl ether

Concen: 23.627 ug/l

RT: 2.92 min Scan# 243

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Tgt Ion: 45 Resp: 123410

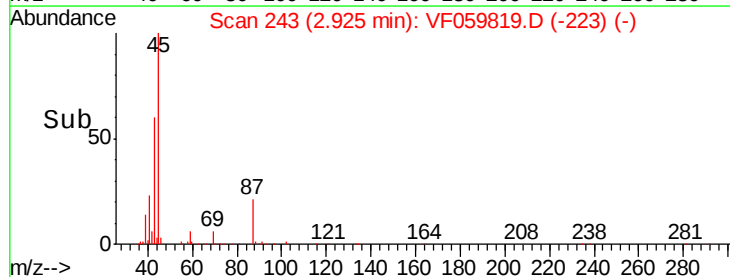
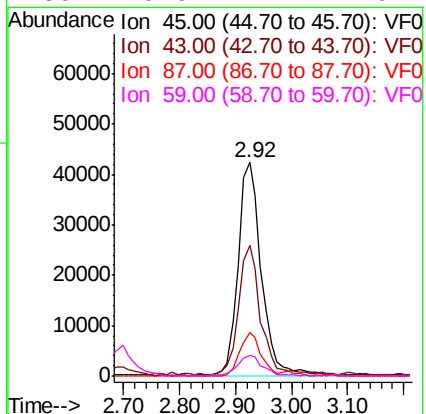
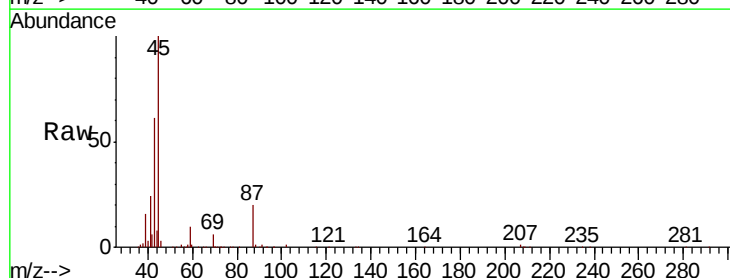
Ion Ratio Lower Upper

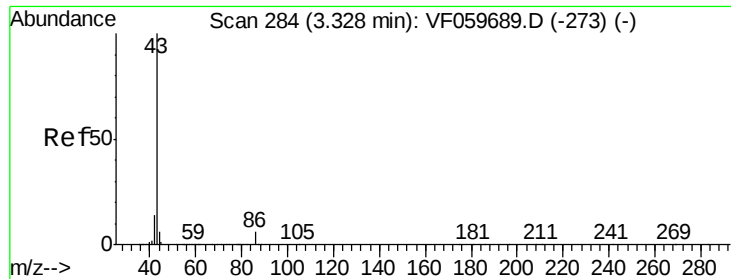
45 100

43 60.9 49.3 73.9

87 20.4 15.3 22.9

59 9.9 7.1 10.7





#23

Vinyl Acetate

Concen: 102.125 ug/l

RT: 3.33 min Scan# 284

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

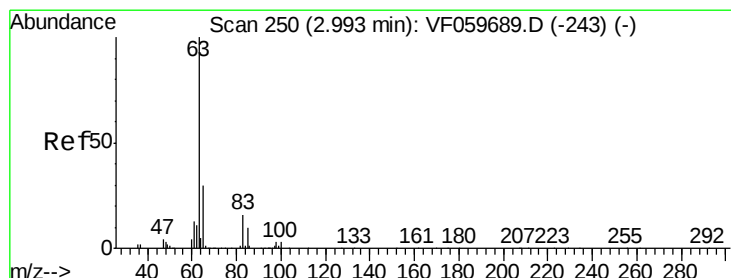
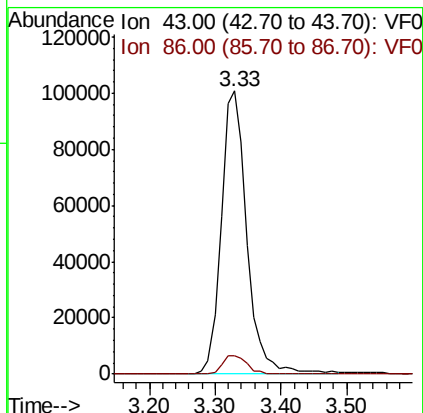
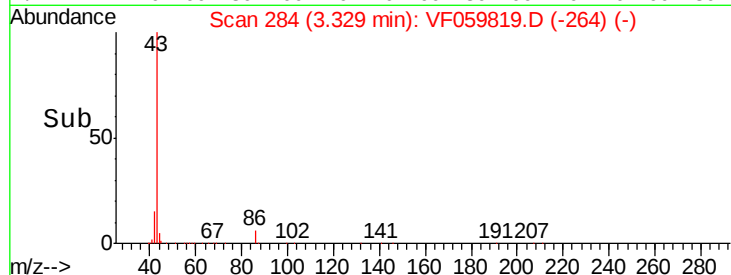
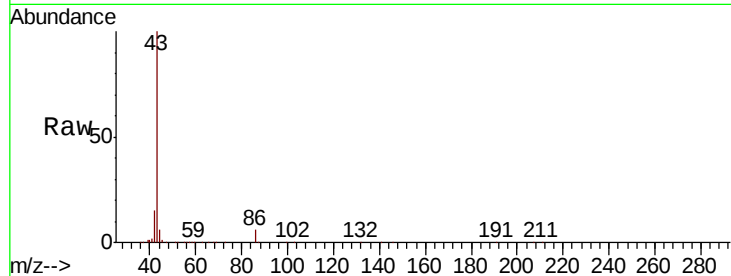
VF0802SBSD01

Tot Ion: 43 Resp: 274252

Ion Ratio Lower Upper

43 100

86 6.4 4.6 6.8



#24

1,1-Dichloroethane

Concen: 21.828 ug/l

RT: 2.99 min Scan# 250

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

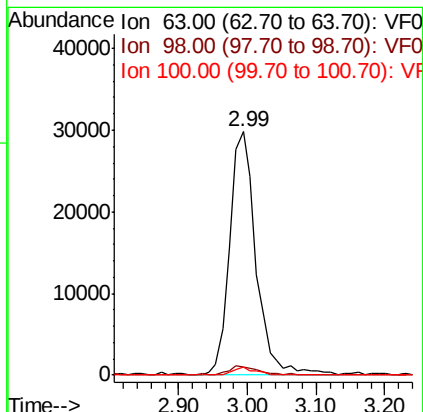
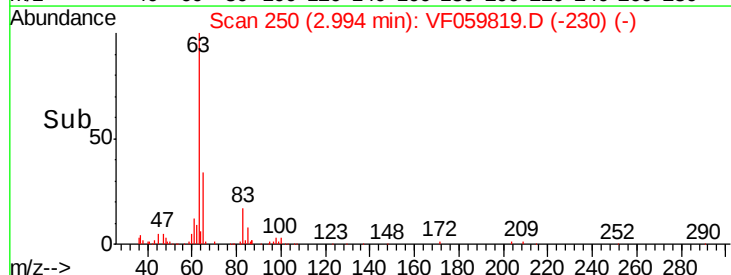
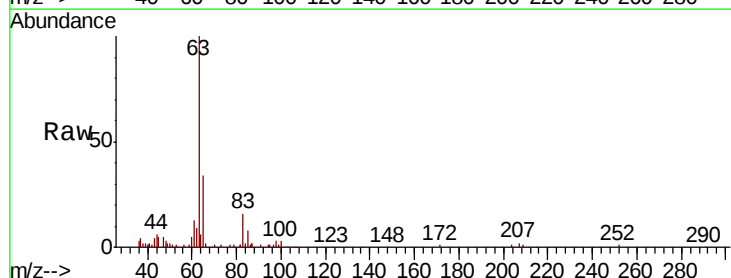
Tgt Ion: 63 Resp: 79213

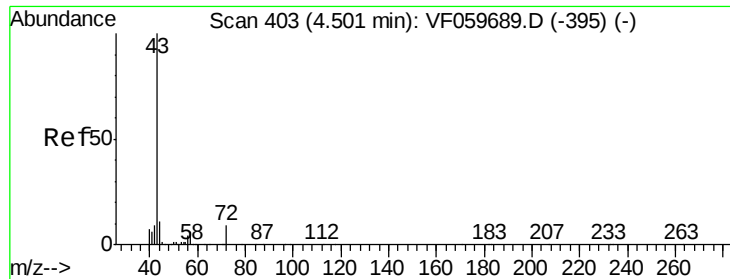
Ion Ratio Lower Upper

63 100

98 3.1 1.4 4.2

100 3.3 1.6 4.7





#25

2-Butanone

Concen: 105.809 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

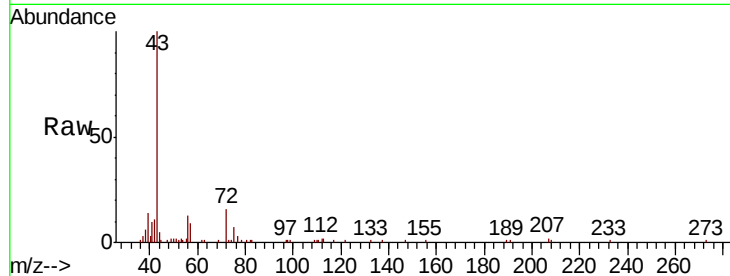
VF0802SBSD01

Tot Ion: 43 Resp: 76255

Ion Ratio Lower Upper

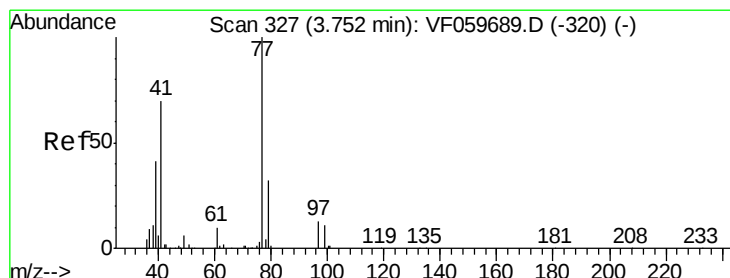
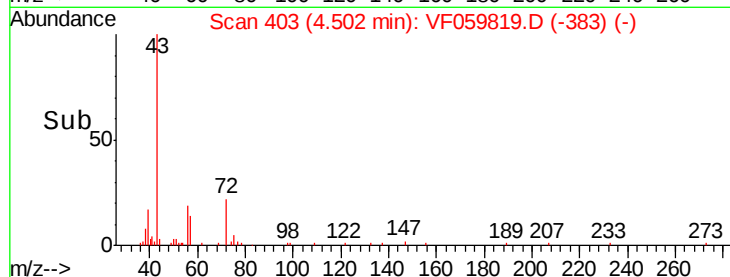
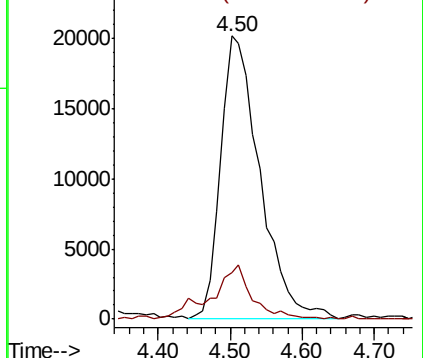
43 100

72 16.3 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



#26

2,2-Dichloropropane

Concen: 20.172 ug/l

RT: 3.74 min Scan# 326

Delta R.T. -0.01 min

Lab File: VF059819.D

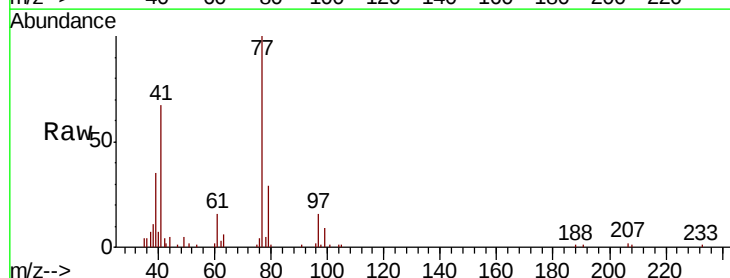
Acq: 2 Aug 2018 23:48

Tgt Ion: 77 Resp: 52184

Ion Ratio Lower Upper

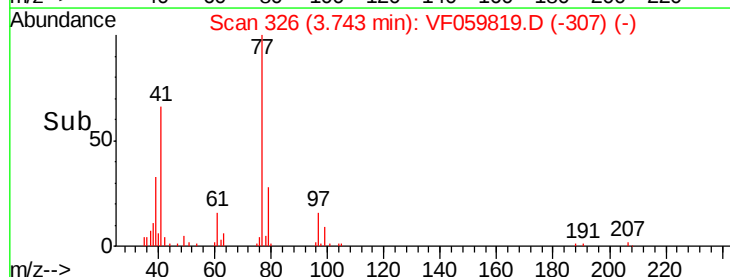
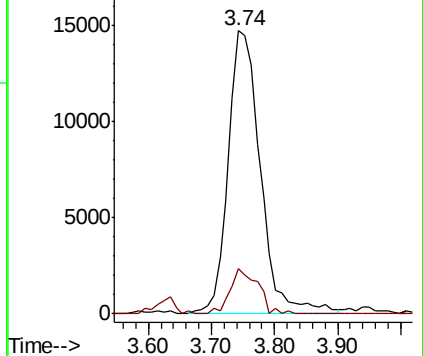
77 100

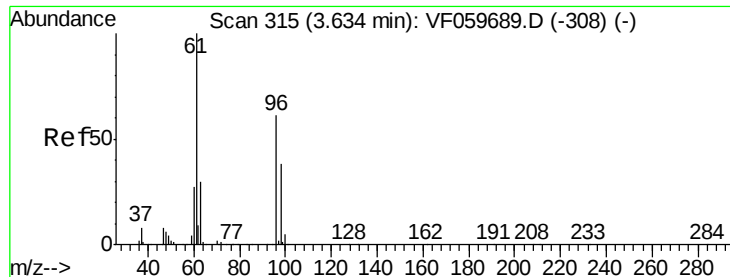
97 16.2 6.8 20.4



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



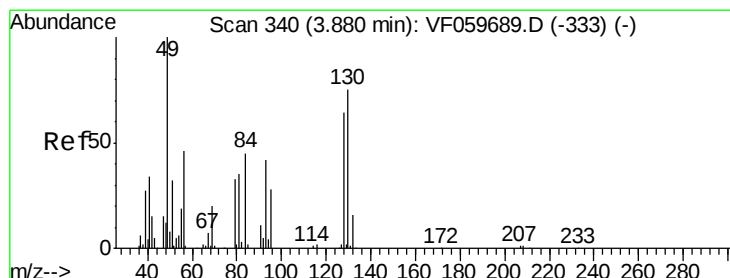
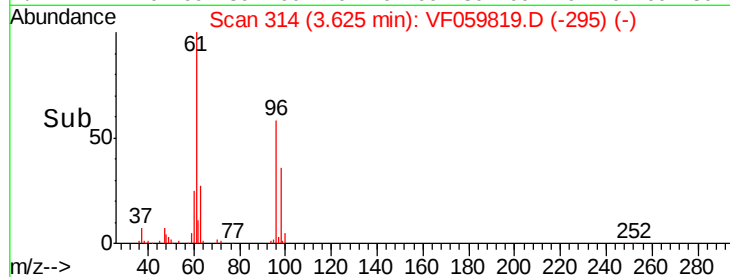
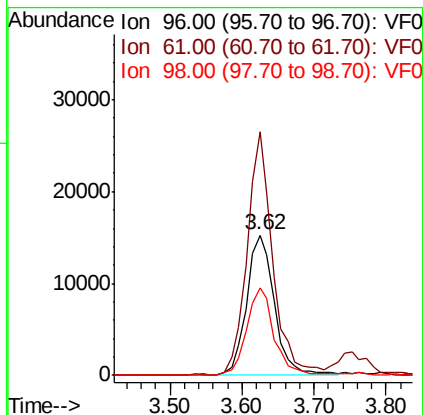
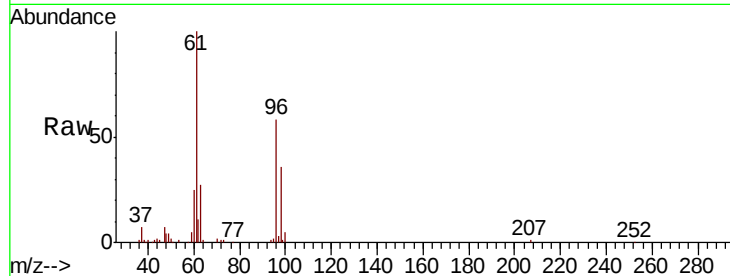


#27

cis-1,2-Dichloroethene
 Concen: 21.308 ug/l
 RT: 3.62 min Scan# 314
 Delta R.T. -0.01 min
 Lab File: VF059819.D
 Acq: 2 Aug 2018 23:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD01

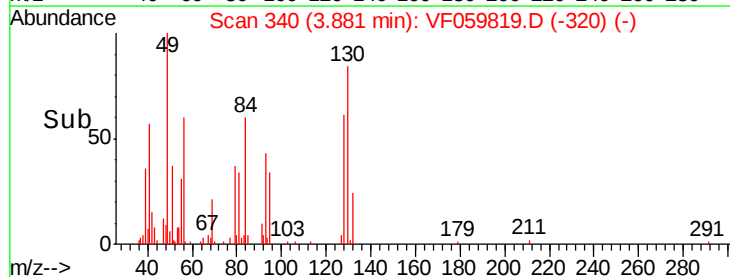
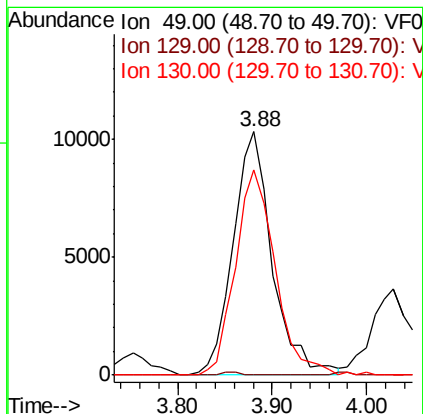
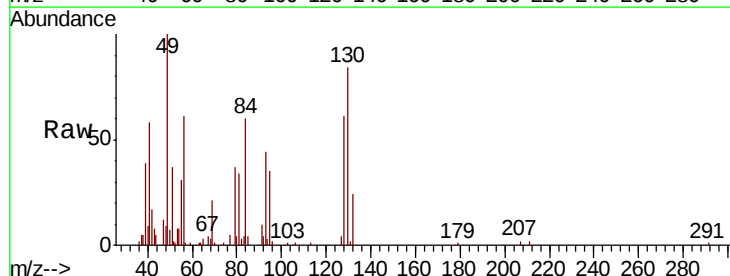
Tot Ion	Ratio	Lower	Upper
96	100		
61	173.2	0.0	326.8
98	61.8	0.0	125.2

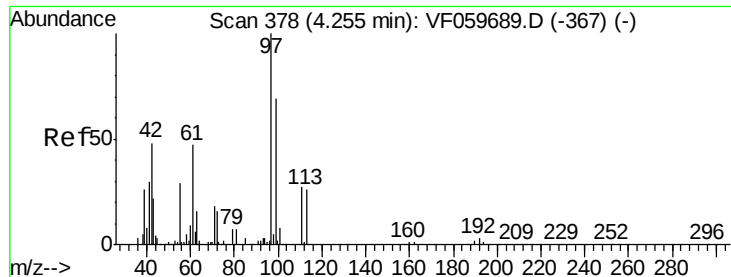


#28

Bromochloromethane
 Concen: 20.673 ug/l
 RT: 3.88 min Scan# 340
 Delta R.T. 0.00 min
 Lab File: VF059819.D
 Acq: 2 Aug 2018 23:48

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	86.2	59.6	89.4

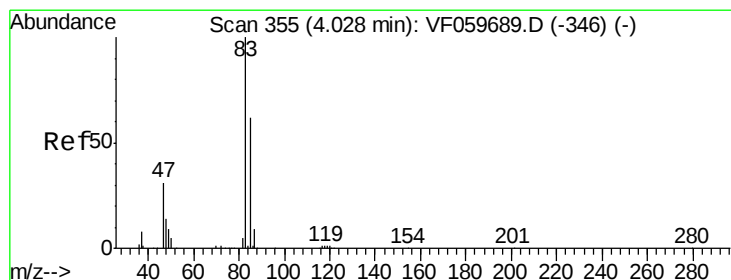
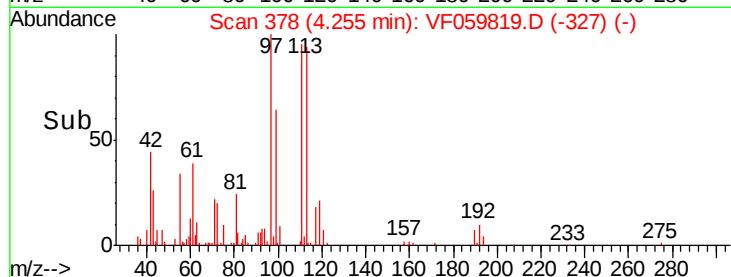
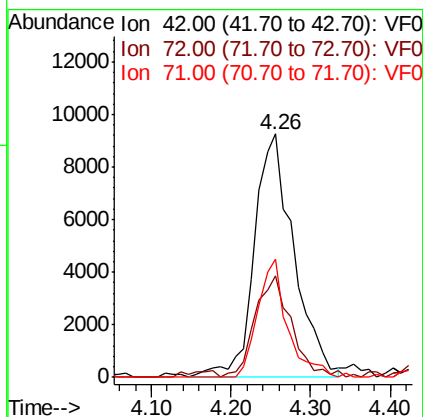
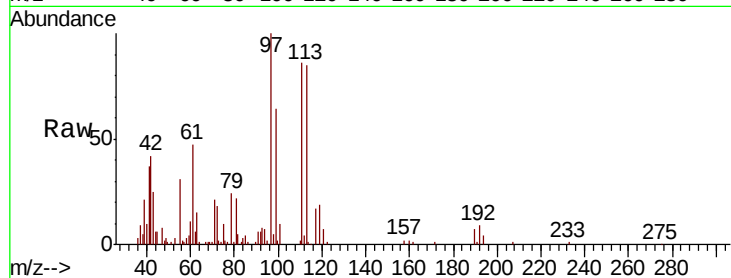




#29
Tetrahydrofuran
Concen: 114.510 ug/l
RT: 4.26 min Scan# 378
Delta R.T. 0.00 min
Lab File: VF059819.D
Acq: 2 Aug 2018 23:48

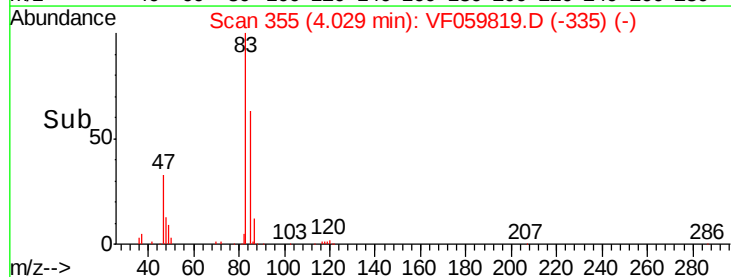
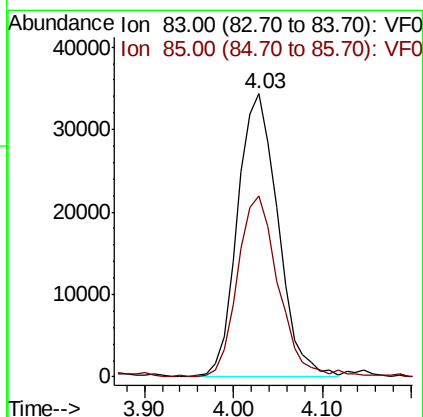
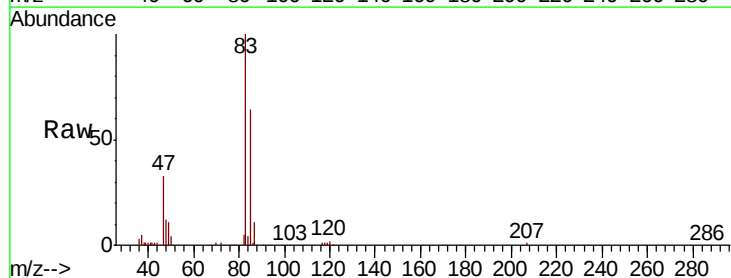
Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD01

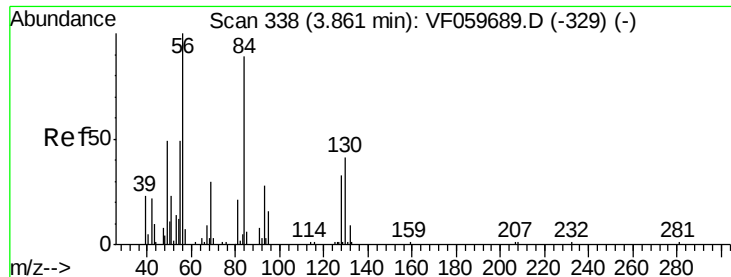
Tot Ion: 42 Resp: 31718
Ion Ratio Lower Upper
42 100
72 38.8 27.0 40.6
71 36.1 29.7 44.5



#30
Chloroform
Concen: 21.123 ug/l
RT: 4.03 min Scan# 355
Delta R.T. 0.00 min
Lab File: VF059819.D
Acq: 2 Aug 2018 23:48

Tgt Ion: 83 Resp: 108185
Ion Ratio Lower Upper
83 100
85 64.1 49.4 74.0

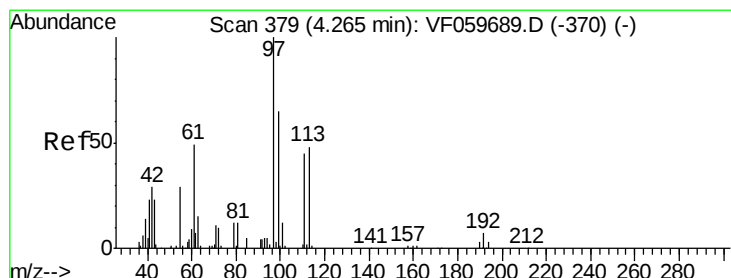
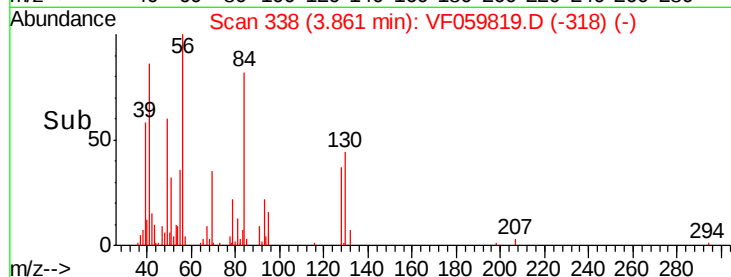
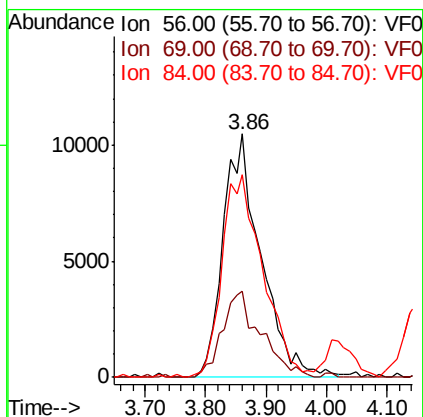
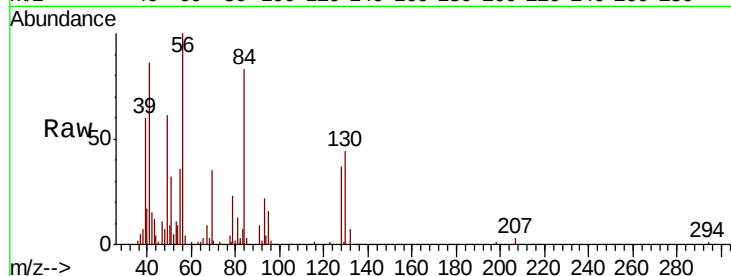




#31
Cyclohexane
Concen: 23.690 ug/l
RT: 3.86 min Scan# 338
Delta R.T. 0.00 min
Lab File: VF059819.D
Acq: 2 Aug 2018 23:48

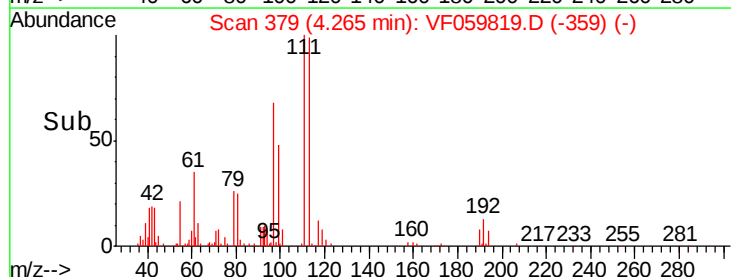
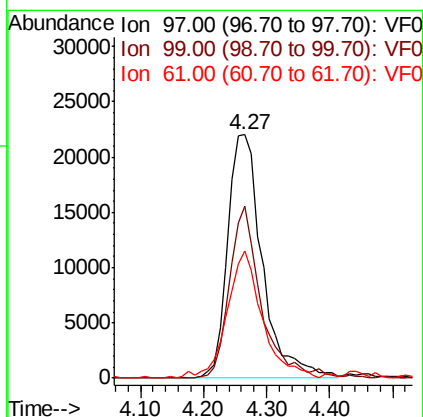
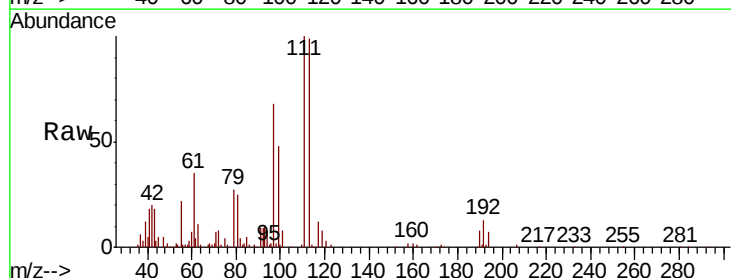
Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD01

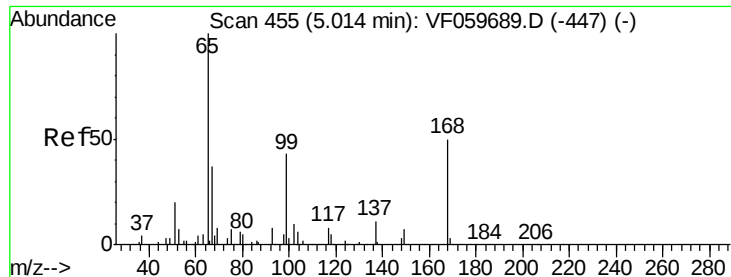
Tot Ion: 56 Resp: 45482
Ion Ratio Lower Upper
56 100
69 35.5 23.7 35.5
84 83.5 71.1 106.7



#32
1,1,1-Trichloroethane
Concen: 21.089 ug/l
RT: 4.27 min Scan# 379
Delta R.T. 0.00 min
Lab File: VF059819.D
Acq: 2 Aug 2018 23:48

Tgt Ion: 97 Resp: 83782
Ion Ratio Lower Upper
97 100
99 70.6 52.4 78.6
61 52.0 39.7 59.5





#33

1,2-Dichloroethane-d4

Concen: 47.344 ug/l

RT: 5.00 min Scan# 454

Delta R.T. -0.01 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

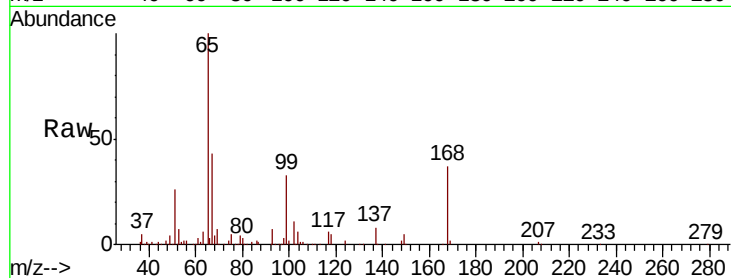
VF0802SBSD01

Tot Ion: 65 Resp: 169976

Ion Ratio Lower Upper

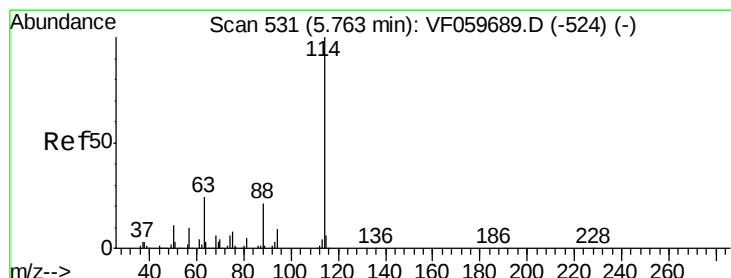
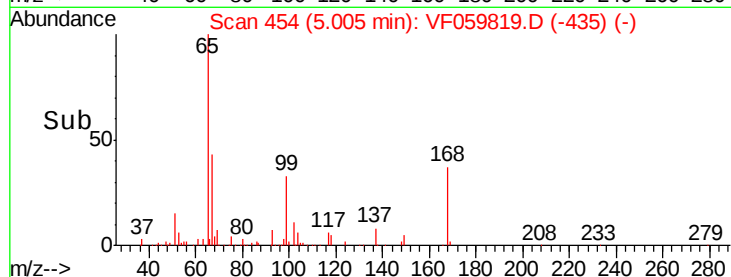
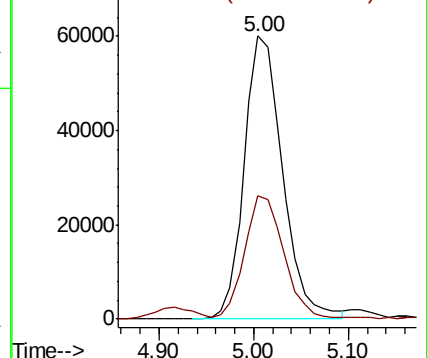
65 100

67 43.5 0.0 84.6



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

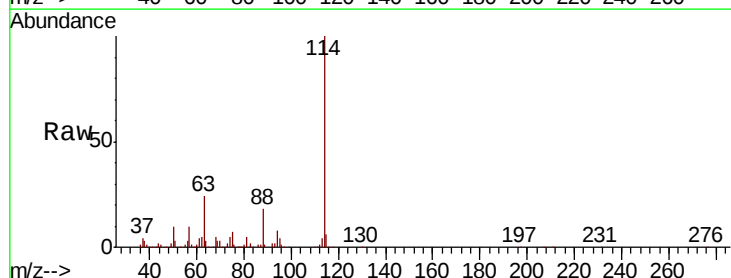
Tgt Ion: 114 Resp: 301316

Ion Ratio Lower Upper

114 100

63 23.8 0.0 47.4

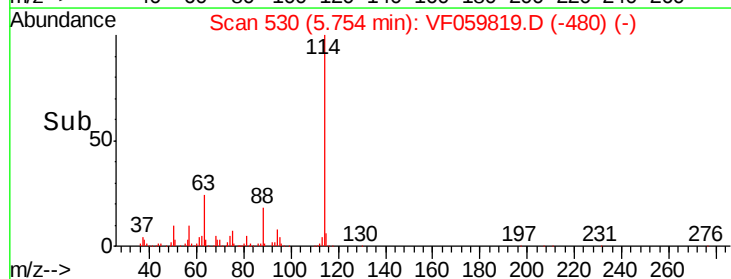
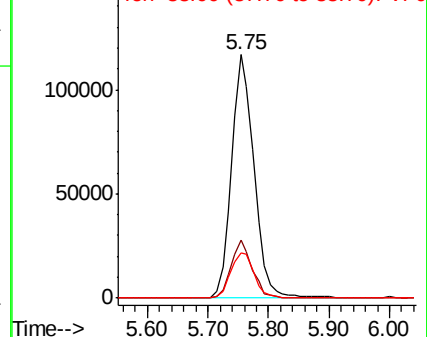
88 18.3 0.0 41.2

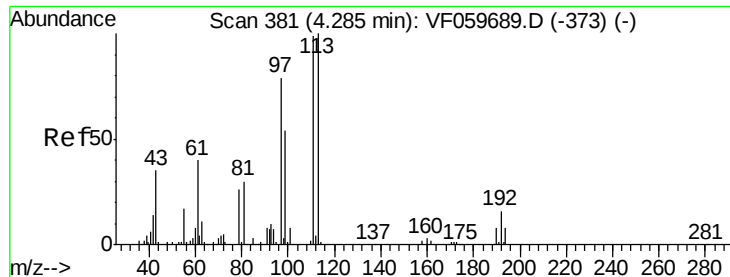


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0





#35

Dibromofluoromethane

Concen: 46.923 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

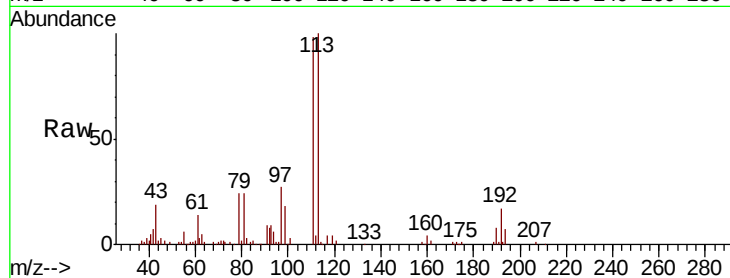
Tot Ion:113 Resp: 146850

Ion Ratio Lower Upper

113 100

111 98.4 79.0 118.4

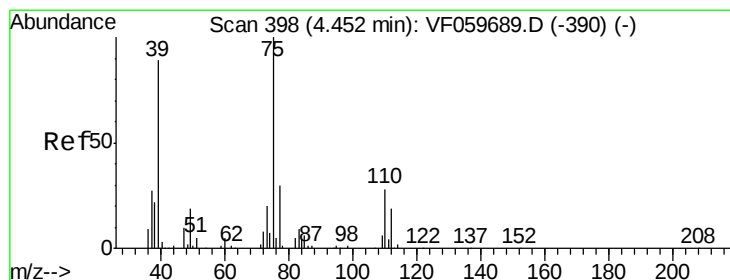
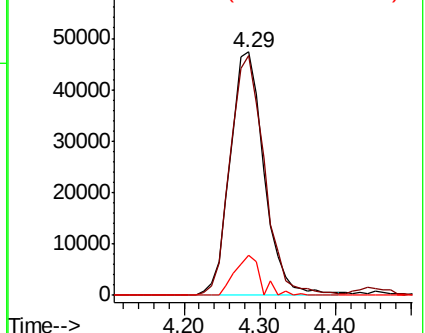
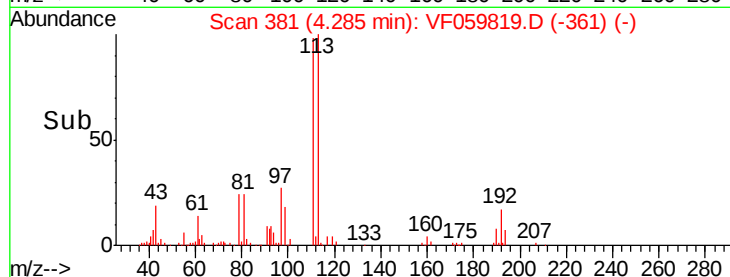
192 16.7 13.2 19.8



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: 20.650 ug/l

RT: 4.45 min Scan# 398

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

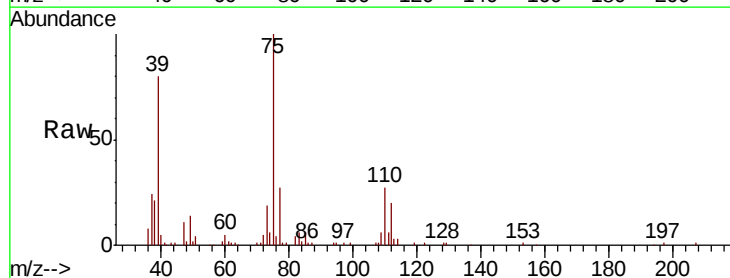
Tgt Ion: 75 Resp: 70067

Ion Ratio Lower Upper

75 100

110 27.0 14.0 41.9

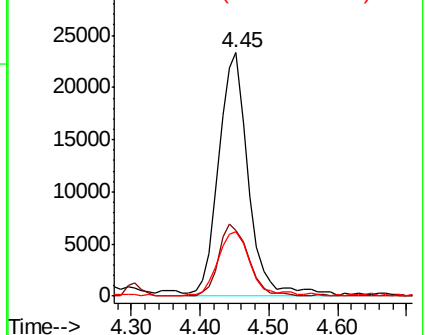
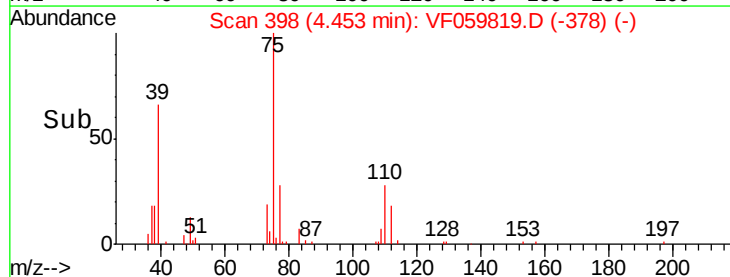
77 26.6 24.2 36.2

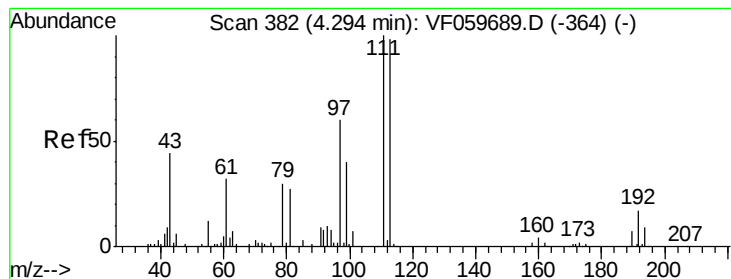


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 110.00 (109.70 to 110.70): V

Ion 77.00 (76.70 to 77.70): VF0





#37

Ethyl Acetate

Concen: 23.838 ug/l

RT: 4.29 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

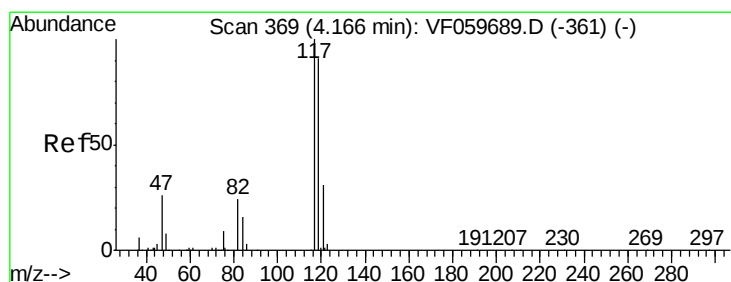
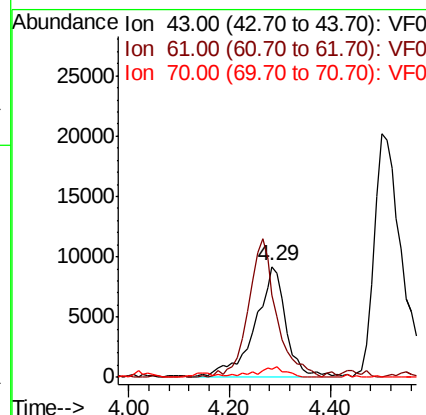
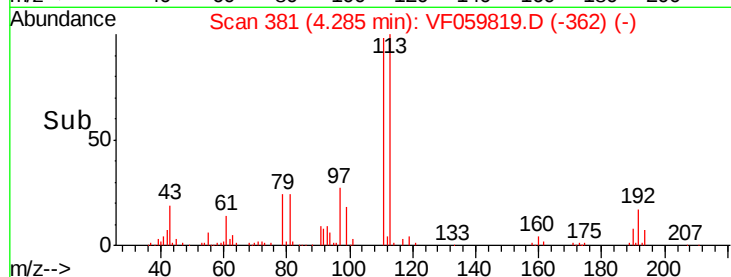
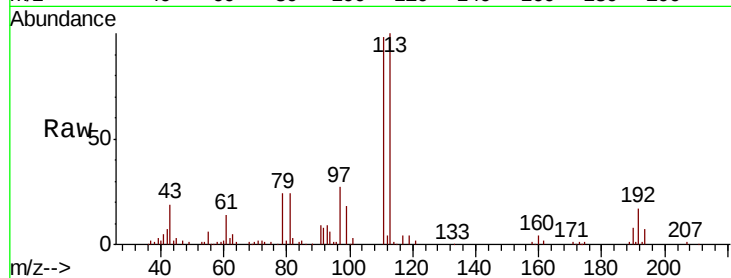
Tot Ion: 43 Resp: 39492

Ion Ratio Lower Upper

43 100

61 73.9 58.2 87.2

70 6.9 6.0 9.0



#38

Carbon Tetrachloride

Concen: 19.291 ug/l

RT: 4.17 min Scan# 369

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

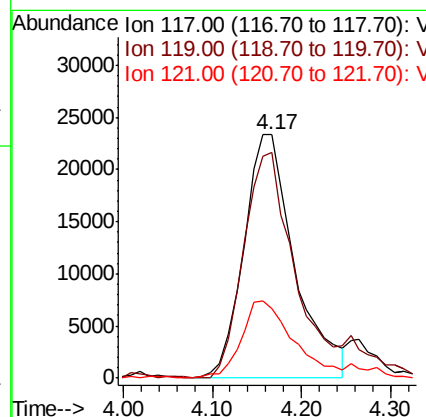
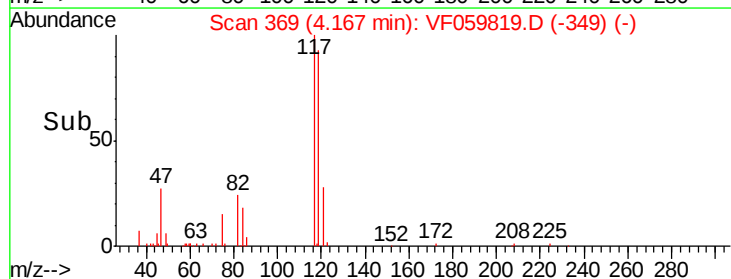
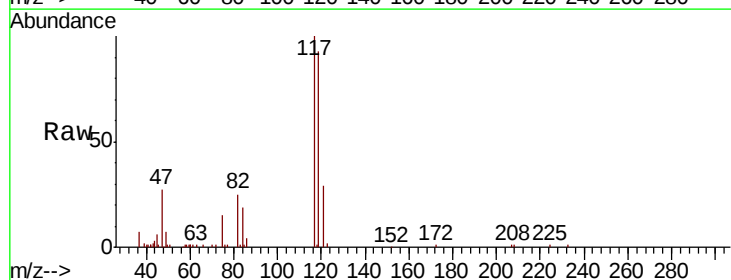
Tgt Ion: 117 Resp: 92417

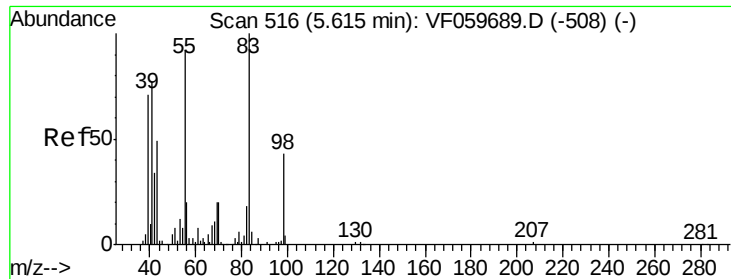
Ion Ratio Lower Upper

117 100

119 92.7 72.9 109.3

121 28.5 25.0 37.4

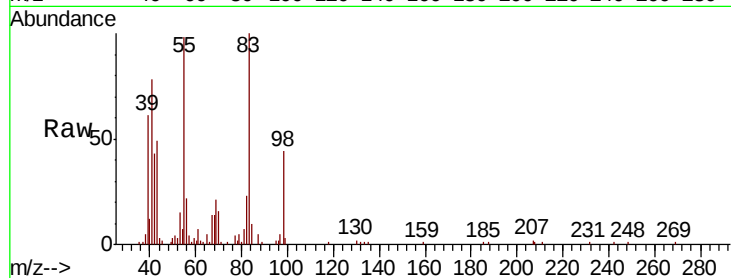




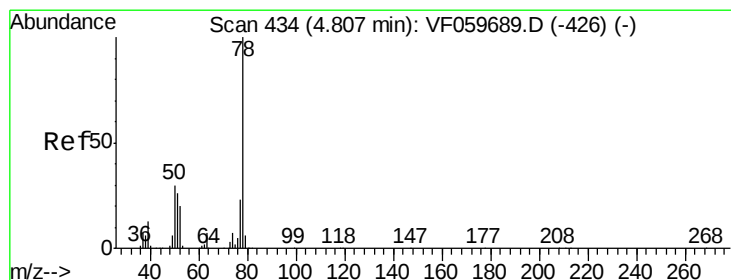
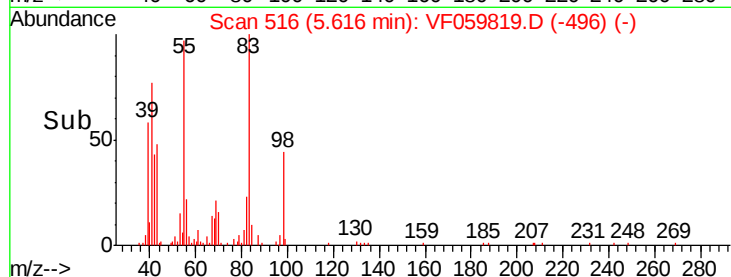
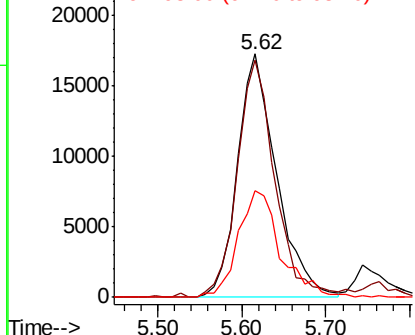
#39
Methvlcvclohexane
Concen: 21.533 ug/l
RT: 5.62 min Scan# 516
Delta R.T. 0.00 min
Lab File: VF059819.D
Acq: 2 Aug 2018 23:48

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD01

Tot Ion: 83 Resp: 55829
Ion Ratio Lower Upper
83 100
55 97.6 73.4 110.2
98 43.7 34.2 51.4

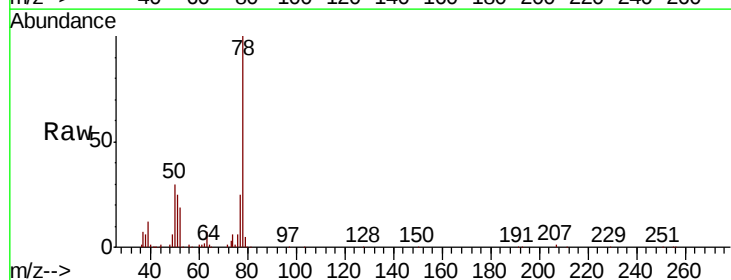


Abundance Ion 83.00 (82.70 to 83.70): VF0
Ion 55.00 (54.70 to 55.70): VF0
Ion 98.00 (97.70 to 98.70): VF0

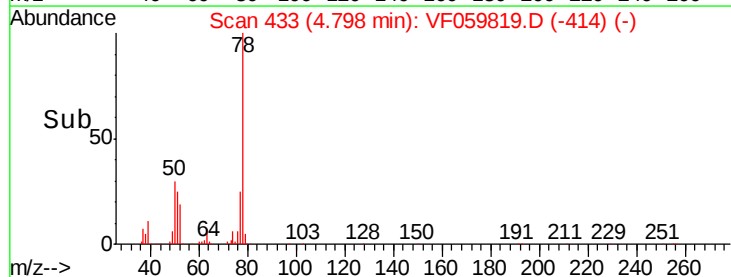
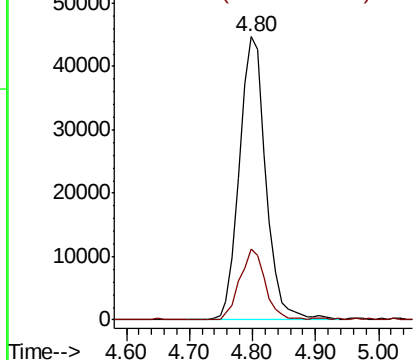


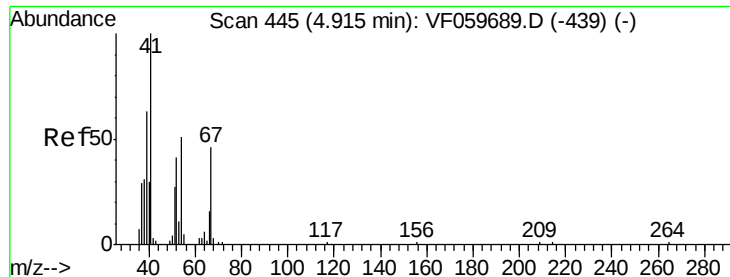
#40
Benzene
Concen: 21.333 ug/l
RT: 4.80 min Scan# 433
Delta R.T. -0.01 min
Lab File: VF059819.D
Acq: 2 Aug 2018 23:48

Tgt Ion: 78 Resp: 129812
Ion Ratio Lower Upper
78 100
77 25.1 18.9 28.3



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

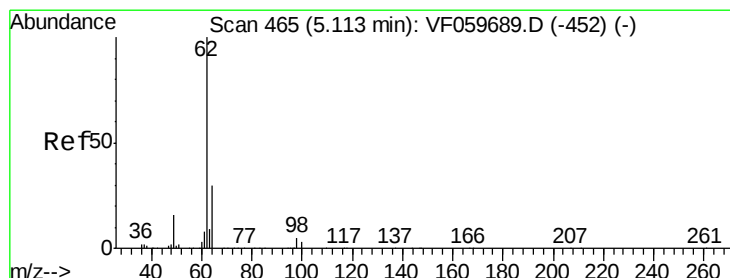
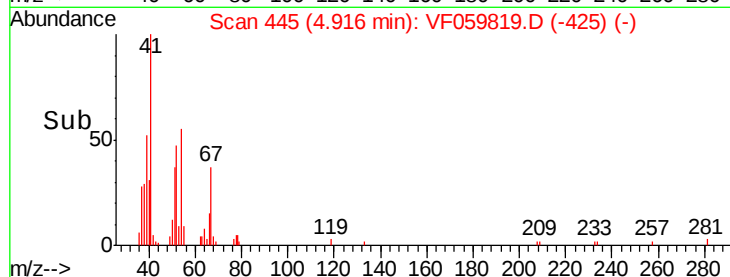
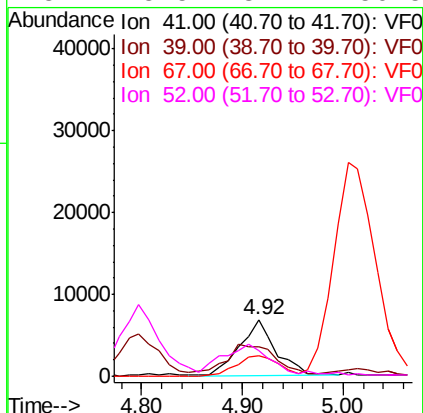
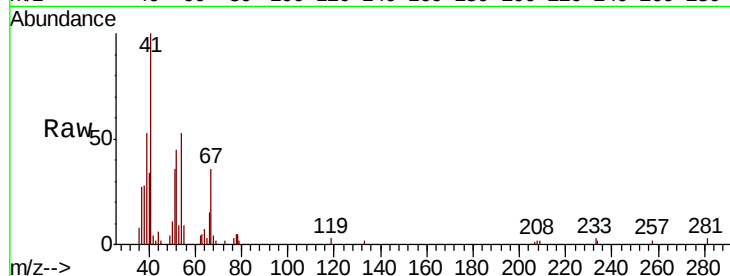




#41
Methacrylonitrile
Concen: 20.530 ug/l
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059819.D
Acq: 2 Aug 2018 23:48

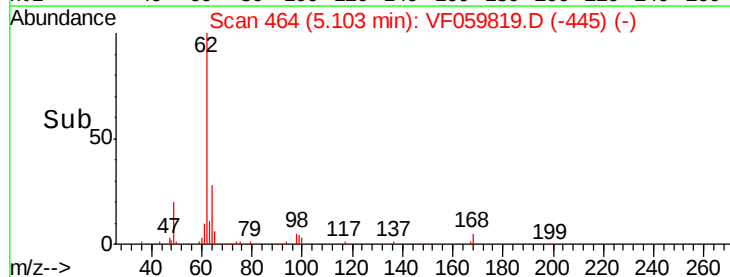
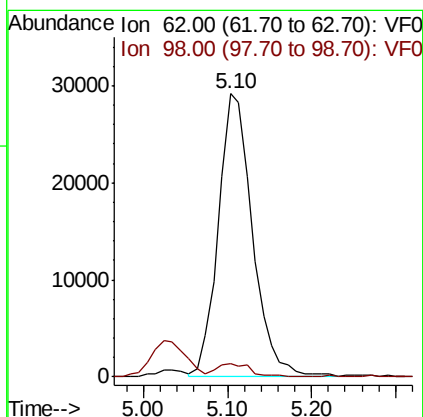
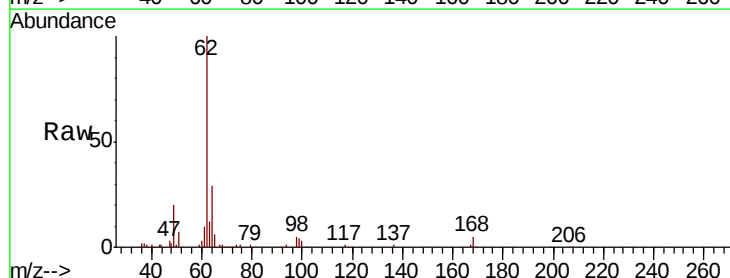
Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD01

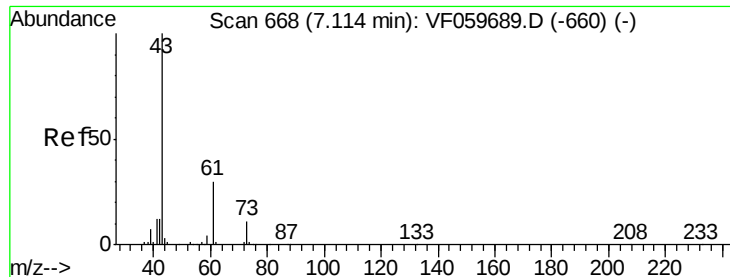
Tot Ion:	41	Resp:	16828
Ion	Ratio	Lower	Upper
41	100		
39	53.1	55.2	82.8#
67	35.8	36.2	54.2#
52	45.5	37.7	56.5



#42
1,2-Dichloroethane
Concen: 19.415 ug/l
RT: 5.10 min Scan# 464
Delta R.T. -0.01 min
Lab File: VF059819.D
Acq: 2 Aug 2018 23:48

Tgt Ion:	62	Resp:	82680
Ion	Ratio	Lower	Upper
62	100		
98	4.8	0.0	9.6





#43

Isopropyl Acetate

Concen: 19.198 ug/l

RT: 7.10 min Scan# 667

Delta R.T. -0.01 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

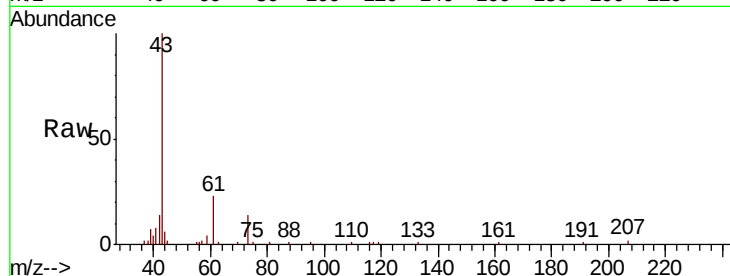
Tot Ion: 43 Resp: 34590

Ion Ratio Lower Upper

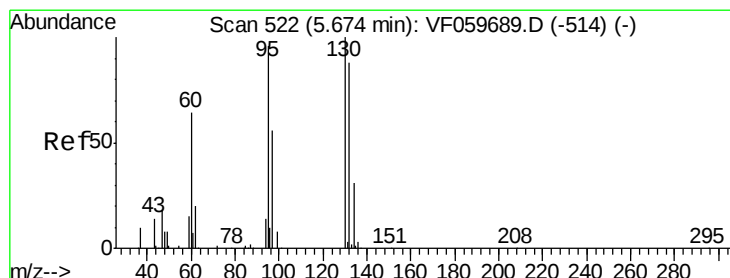
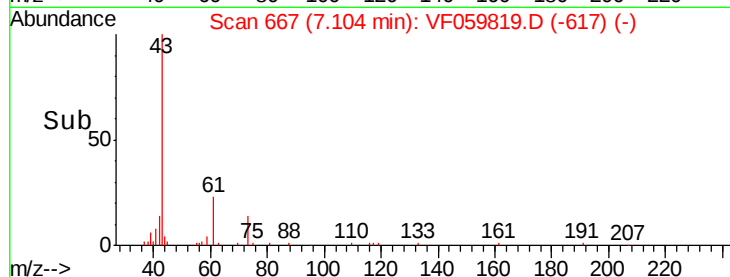
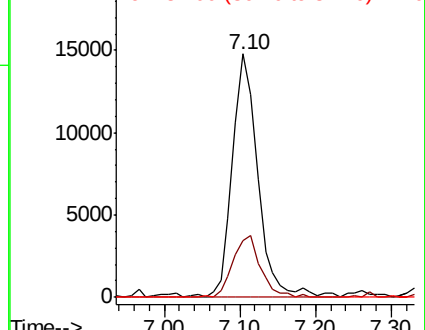
43 100

61 23.4 23.8 35.8#

87 0.0 0.6 1.0#



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



#44

Trichloroethene

Concen: 20.418 ug/l

RT: 5.67 min Scan# 521

Delta R.T. -0.01 min

Lab File: VF059819.D

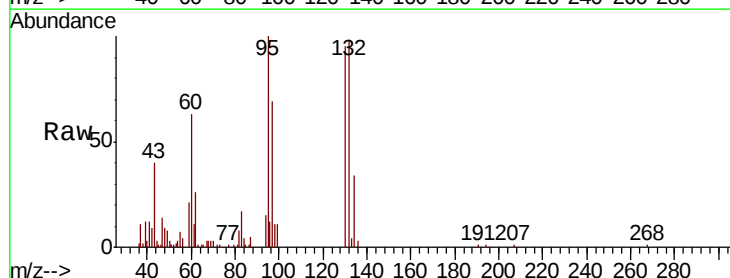
Acq: 2 Aug 2018 23:48

Tgt Ion:130 Resp: 48024

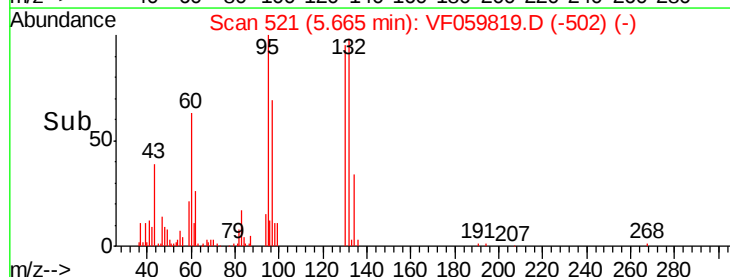
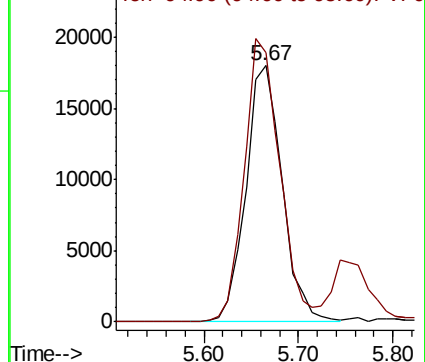
Ion Ratio Lower Upper

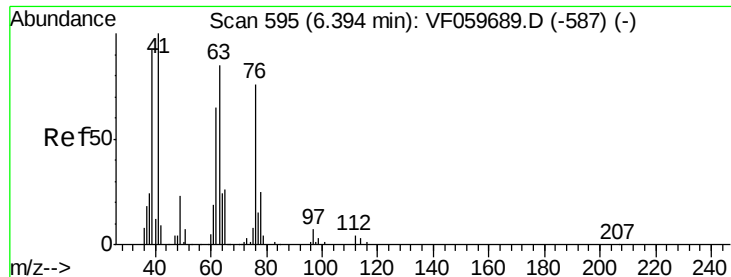
130 100

95 105.3 0.0 191.0



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





#45

1,2-Dichloropropane

Concen: 21.761 ug/l

RT: 6.39 min Scan# 595

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

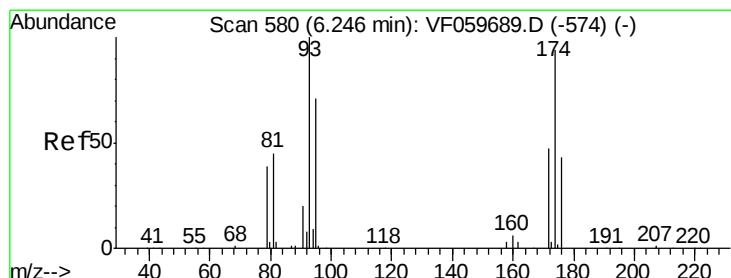
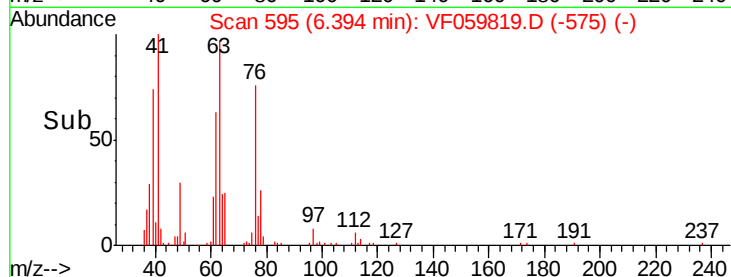
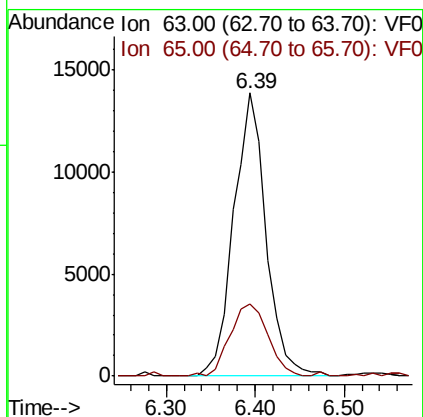
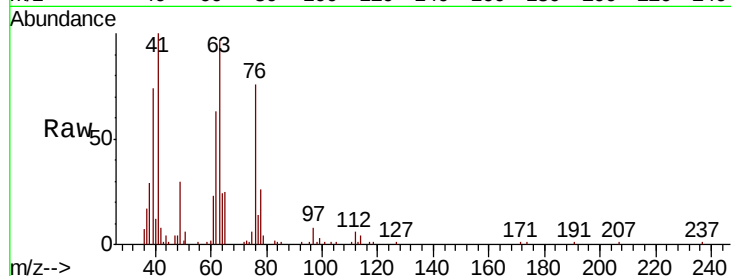
VF0802SBSD01

Tot Ion: 63 Resp: 34970

Ion Ratio Lower Upper

63 100

65 25.6 25.2 37.8



#46

Dibromomethane

Concen: 20.506 ug/l

RT: 6.25 min Scan# 580

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

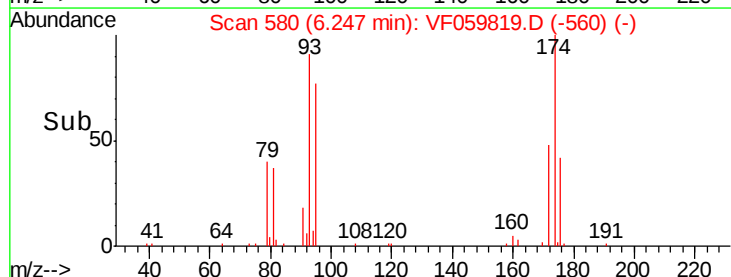
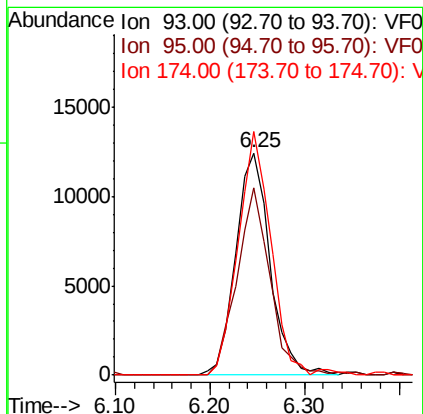
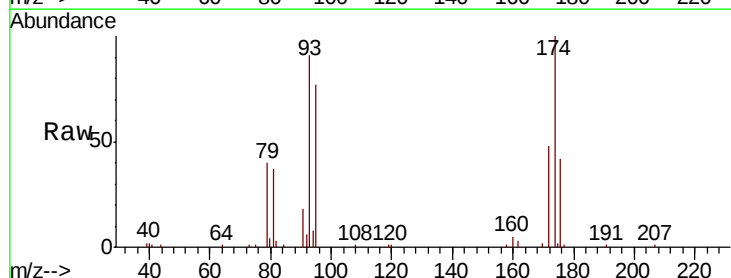
Tgt Ion: 93 Resp: 31285

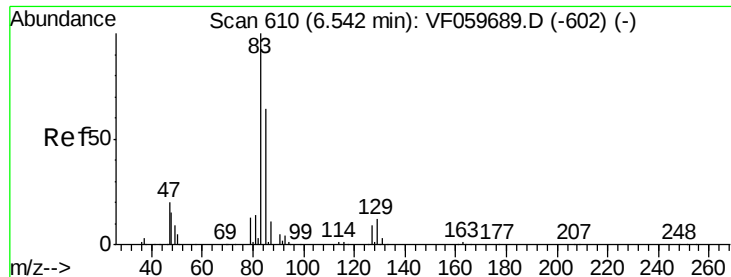
Ion Ratio Lower Upper

93 100

95 84.1 57.1 85.7

174 109.6 74.8 112.2





#47

Bromodichloromethane

Concen: 20.227 ug/l

RT: 6.54 min Scan# 610

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

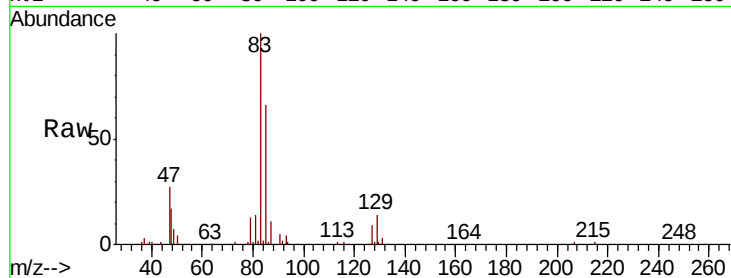
Tot Ion: 83 Resp: 84039

Ion Ratio Lower Upper

83 100

85 65.6 51.0 76.6

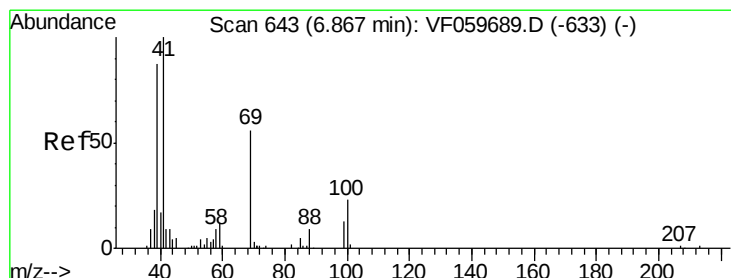
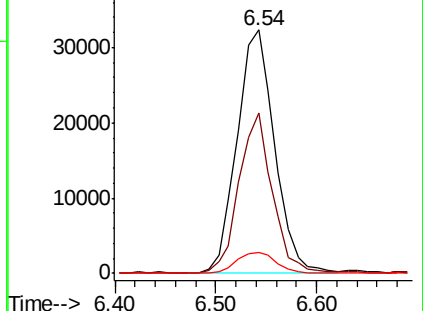
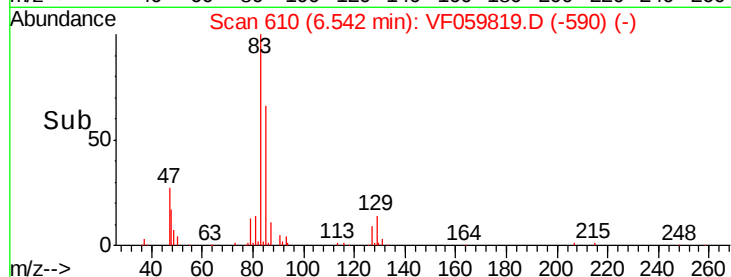
127 8.8 7.3 10.9



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 18.959 ug/l

RT: 6.87 min Scan# 643

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

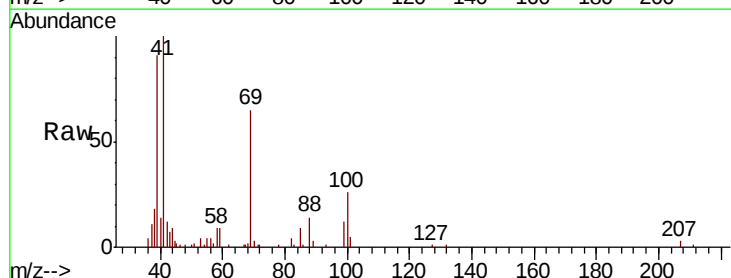
Tgt Ion: 41 Resp: 25693

Ion Ratio Lower Upper

41 100

69 65.3 44.4 66.6

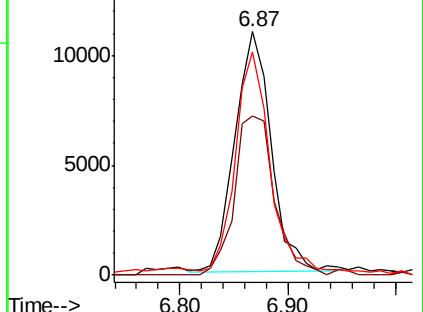
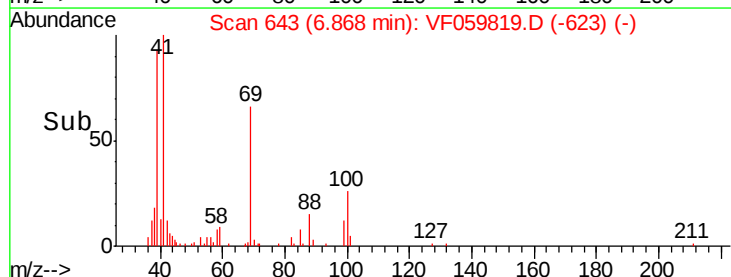
39 91.4 69.4 104.2

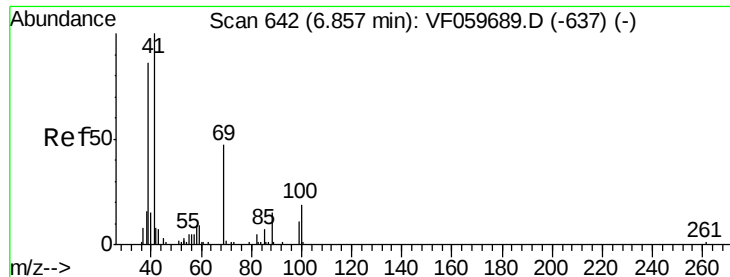


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

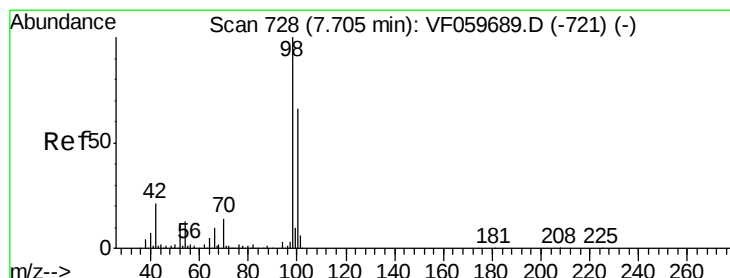
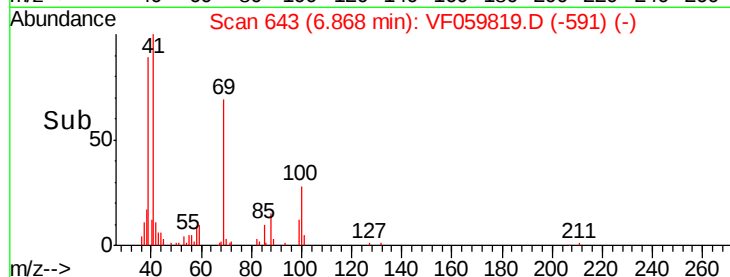
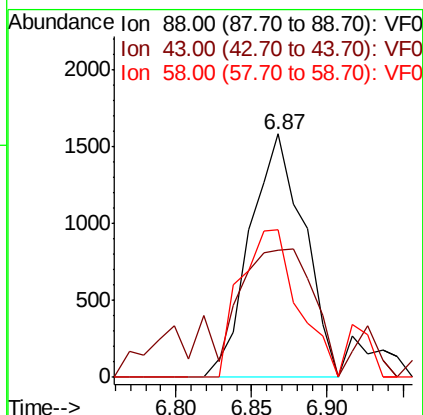
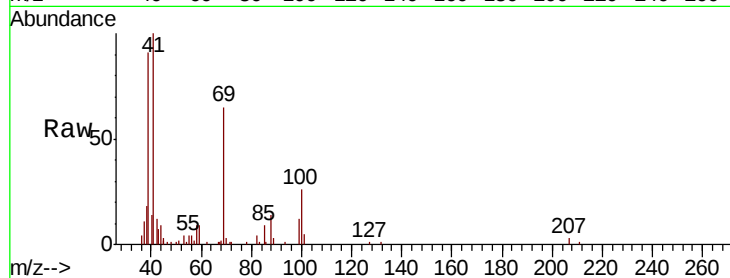




#49
1,4-Dioxane
Concen: 431.523 ug/l
RT: 6.87 min Scan# 643
Delta R.T. 0.01 min
Lab File: VF059819.D
Acq: 2 Aug 2018 23:48

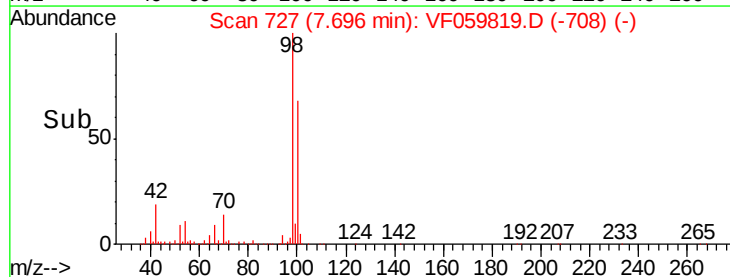
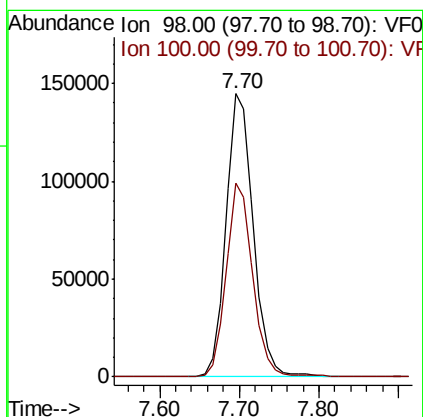
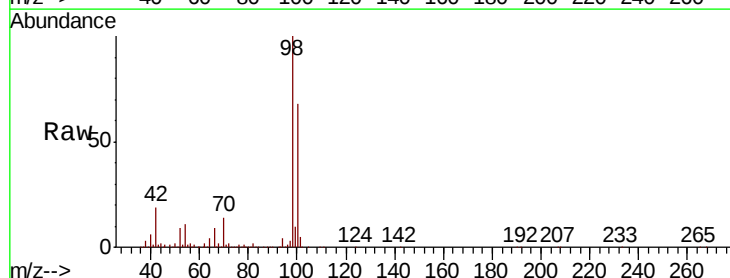
Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD01

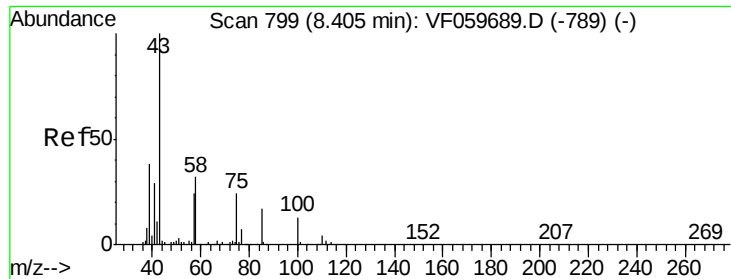
Tot Ion: 88 Resp: 3948
Ion Ratio Lower Upper
88 100
43 52.4 45.2 67.8
58 60.8 49.0 73.6



#50
Toluene-d8
Concen: 47.562 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.01 min
Lab File: VF059819.D
Acq: 2 Aug 2018 23:48

Tgt Ion: 98 Resp: 347116
Ion Ratio Lower Upper
98 100
100 68.4 52.8 79.2





#51

4-Methyl-2-Pentanone

Concen: 112.794 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

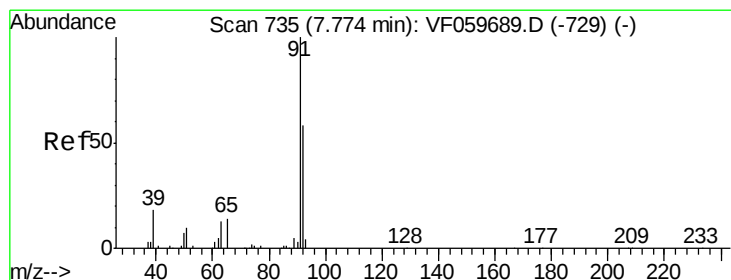
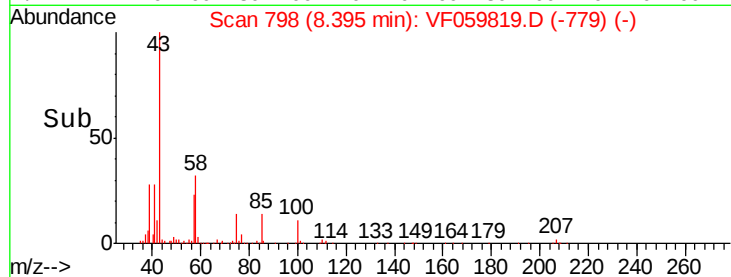
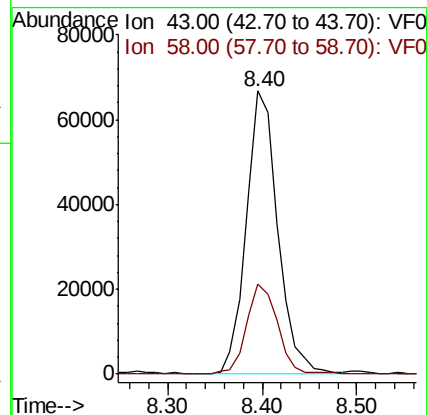
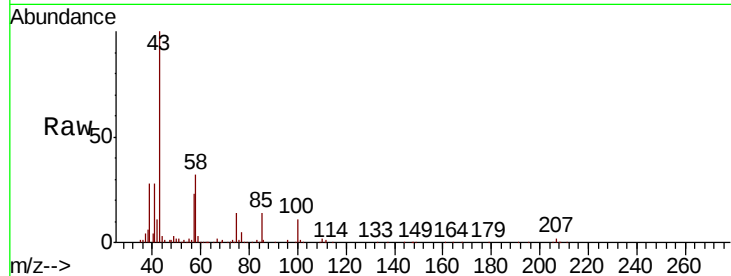
VF0802SBSD01

Tot Ion: 43 Resp: 154593

Ion Ratio Lower Upper

43 100

58 31.7 25.9 38.9



#52

Toluene

Concen: 21.329 ug/l

RT: 7.76 min Scan# 734

Delta R.T. -0.01 min

Lab File: VF059819.D

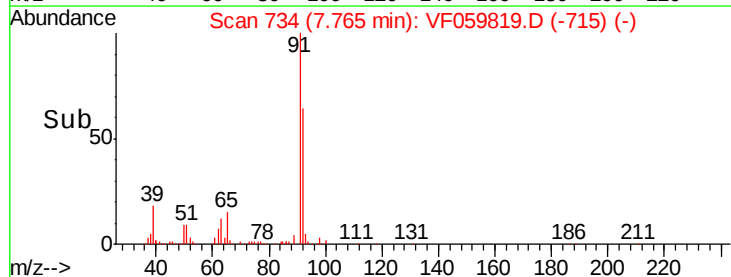
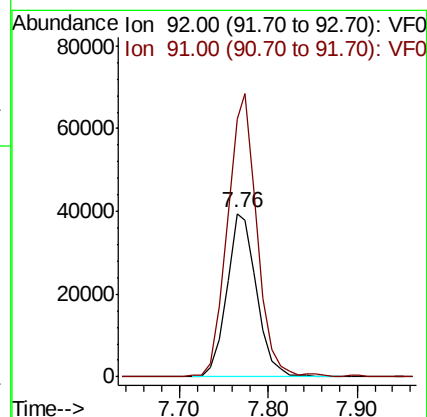
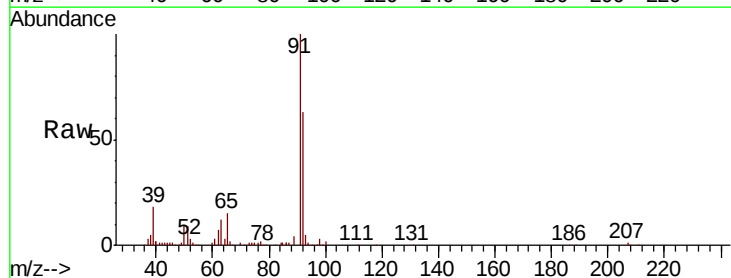
Acq: 2 Aug 2018 23:48

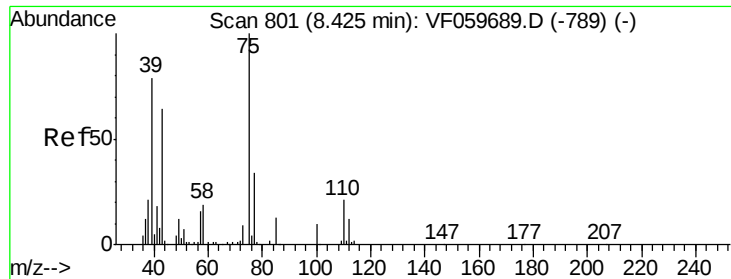
Tgt Ion: 92 Resp: 92532

Ion Ratio Lower Upper

92 100

91 157.7 139.0 208.4





#53

t-1,3-Dichloropropene

Concen: 19.381 ug/l

RT: 8.42 min Scan# 800

Delta R.T. -0.01 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

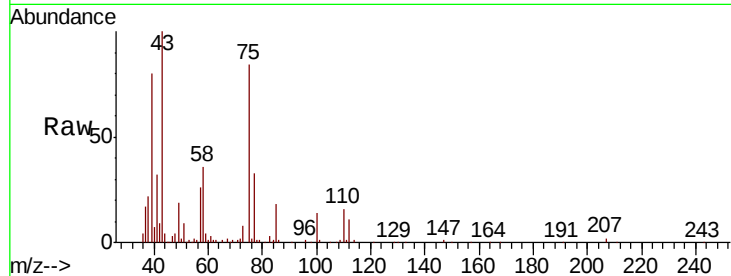
VF0802SBSD01

Tot Ion: 75 Resp: 69869

Ion Ratio Lower Upper

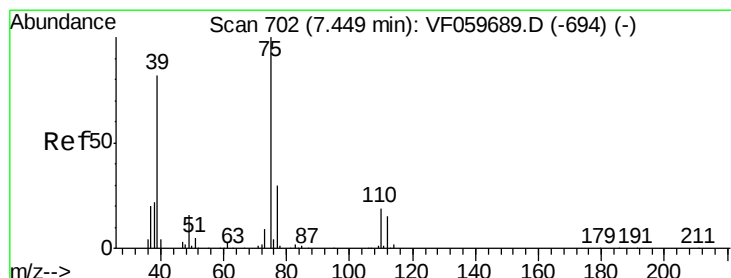
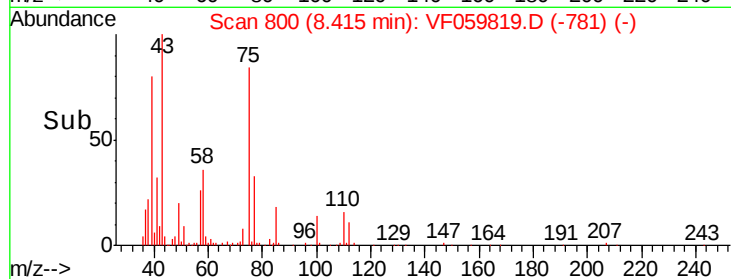
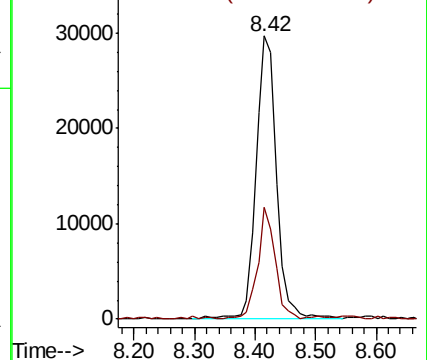
75 100

77 39.6 27.0 40.4



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0



#54

cis-1,3-Dichloropropene

Concen: 20.877 ug/l

RT: 7.45 min Scan# 702

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

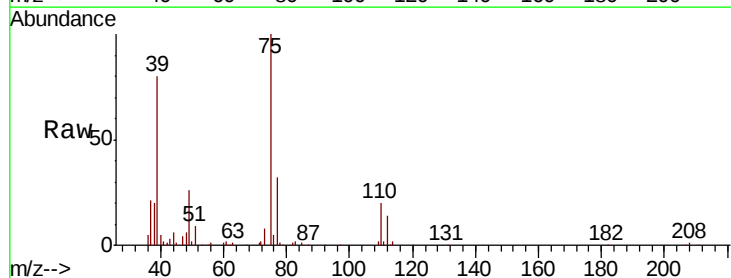
Tgt Ion: 75 Resp: 72900

Ion Ratio Lower Upper

75 100

77 31.7 24.0 36.0

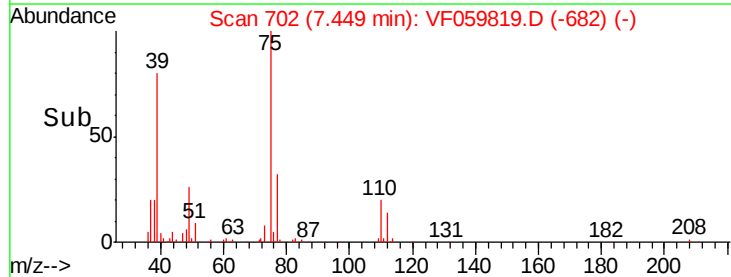
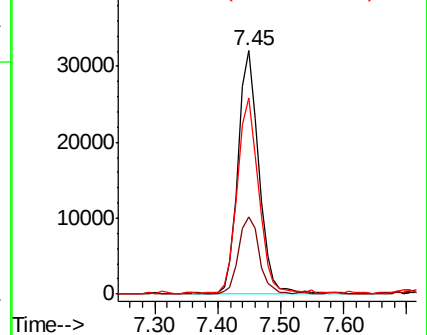
39 80.4 65.4 98.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#55

1,1,2-Trichloroethane

Concen: 21.315 ug/l

RT: 8.63 min Scan# 822

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

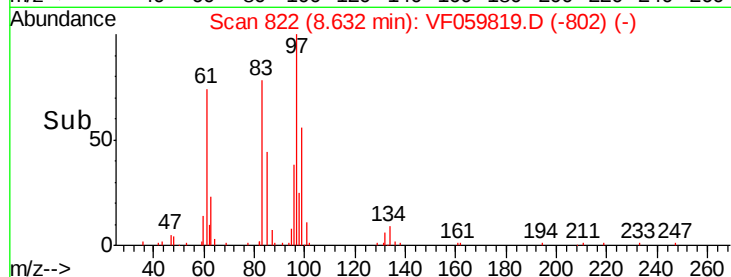
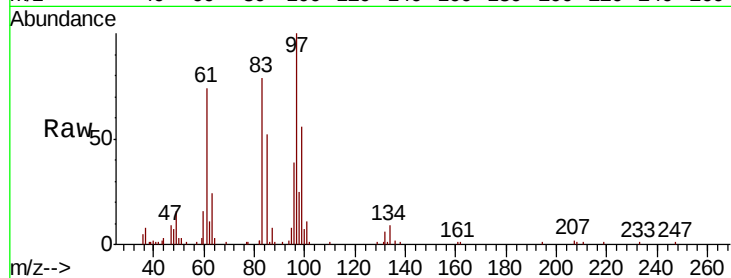
MSVOA_F

ClientSampleId :

VF0802SBSD01

Tot Ion: 97 Resp: 35127

Ion	Ratio	Lower	Upper
97	100		
83	78.7	66.6	100.0
85	51.5	47.4	71.0
99	56.1	53.2	79.8

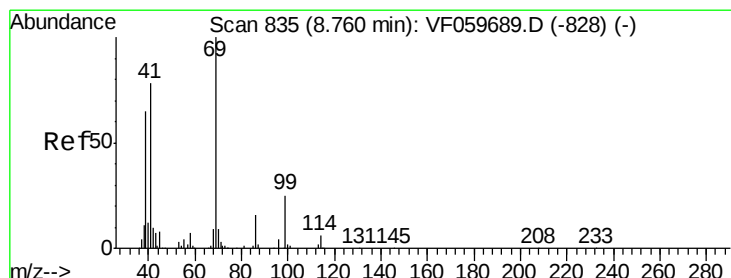


Abundance Ion 97.00 (96.70 to 97.70): VF0

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: 21.954 ug/l

RT: 8.75 min Scan# 834

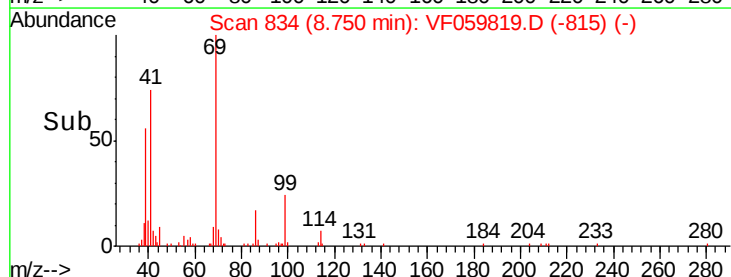
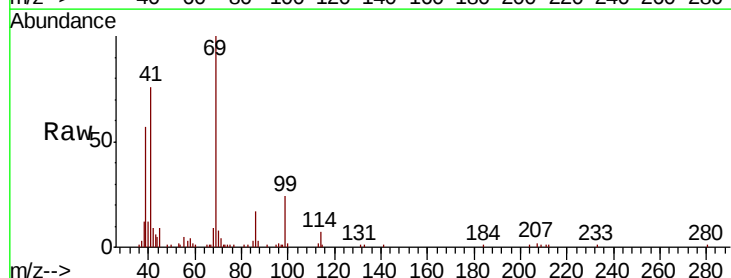
Delta R.T. -0.01 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Tgt Ion: 69 Resp: 37732

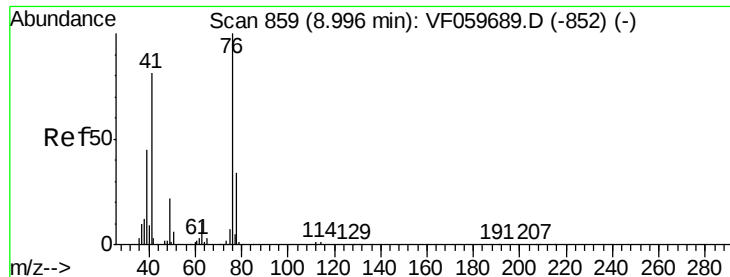
Ion	Ratio	Lower	Upper
69	100		
41	75.8	62.3	93.5
39	57.0	52.4	78.6



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: 21.274 ug/l

RT: 8.99 min Scan# 858

Delta R.T. -0.01 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

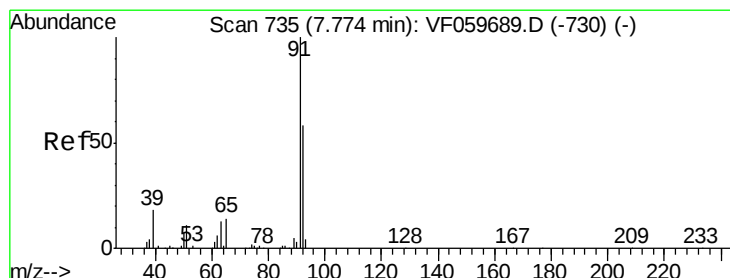
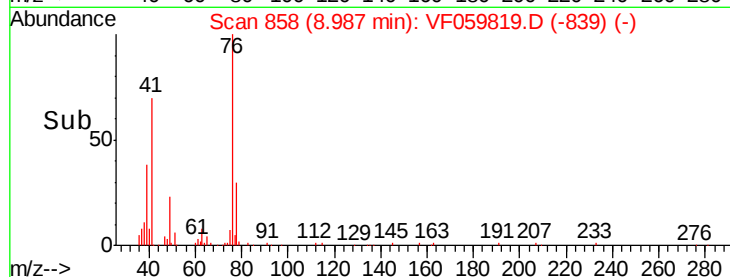
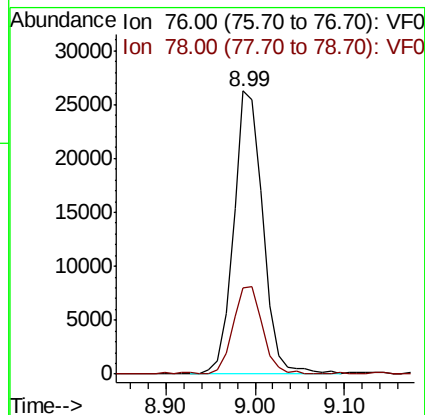
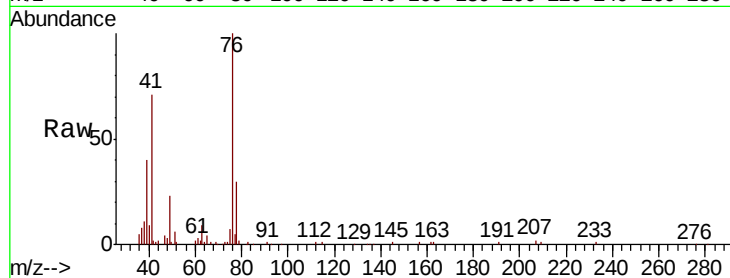
VF0802SBSD01

Tot Ion: 76 Resp: 60146

Ion Ratio Lower Upper

76 100

78 30.3 27.2 40.8



#58

2-Chloroethyl Vinyl ether

Concen: 101.394 ug/l

RT: 7.77 min Scan# 735

Delta R.T. 0.00 min

Lab File: VF059819.D

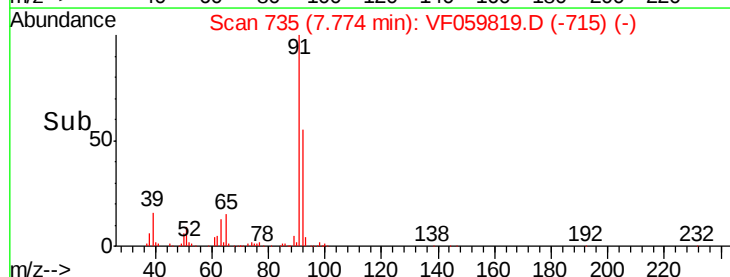
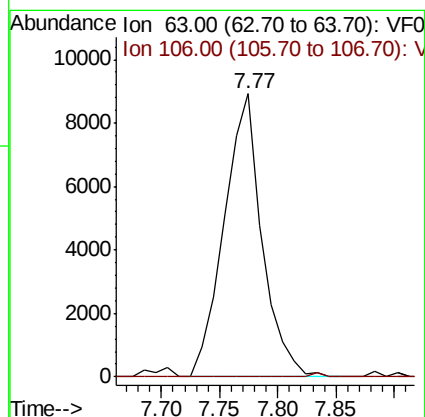
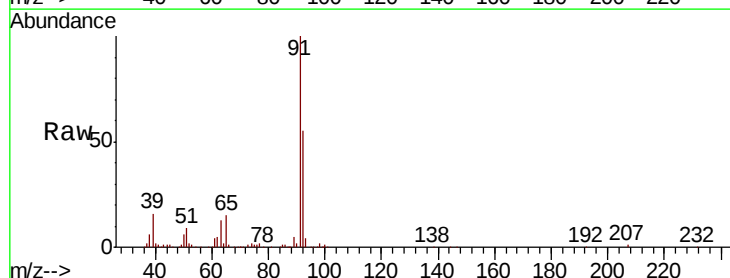
Acq: 2 Aug 2018 23:48

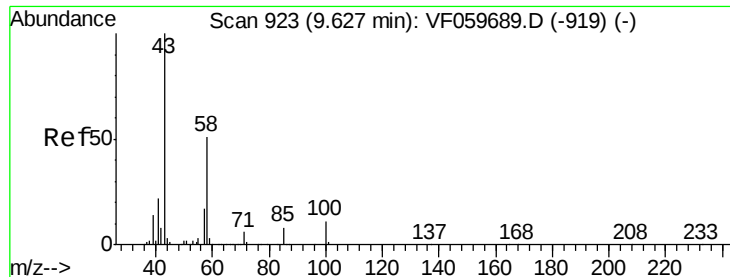
Tgt Ion: 63 Resp: 20120

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

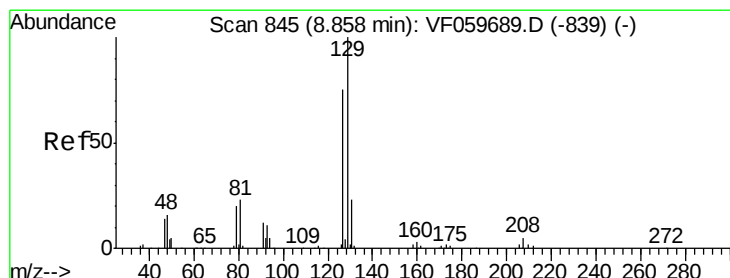
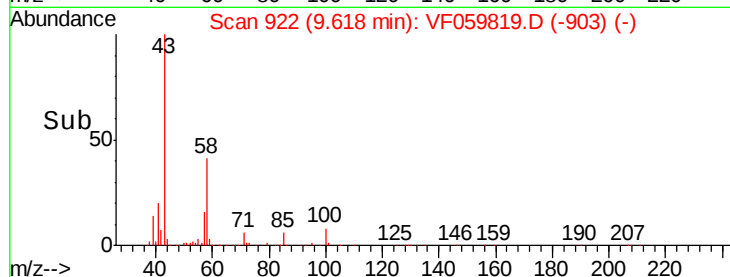
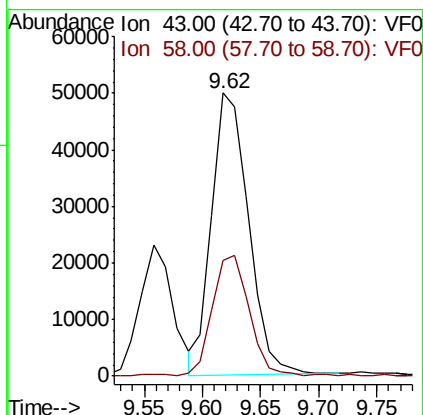
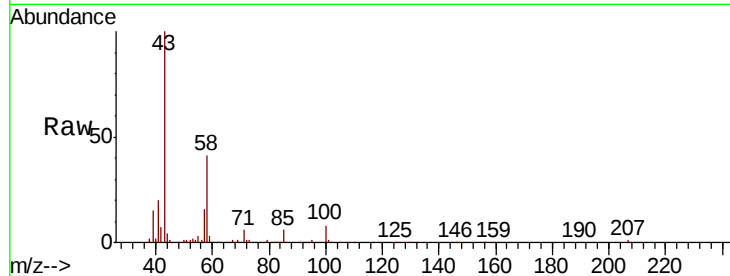




#59
2-Hexanone
Concen: 99.748 ug/l
RT: 9.62 min Scan# 922
Delta R.T. -0.01 min
Lab File: VF059819.D
Acq: 2 Aug 2018 23:48

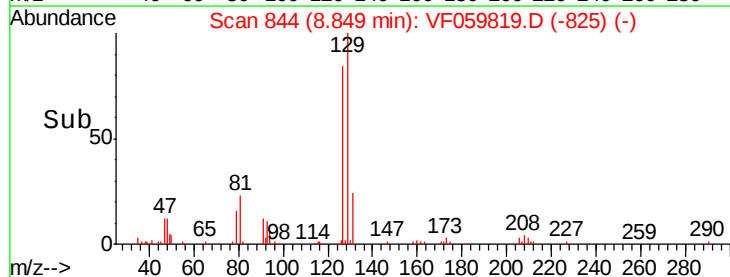
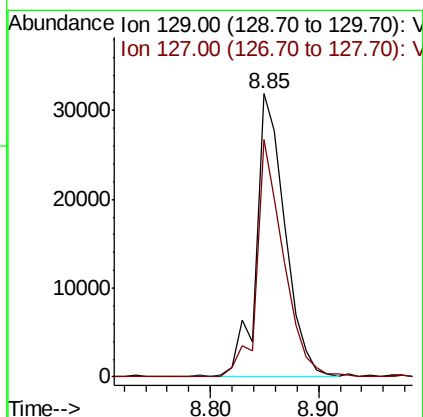
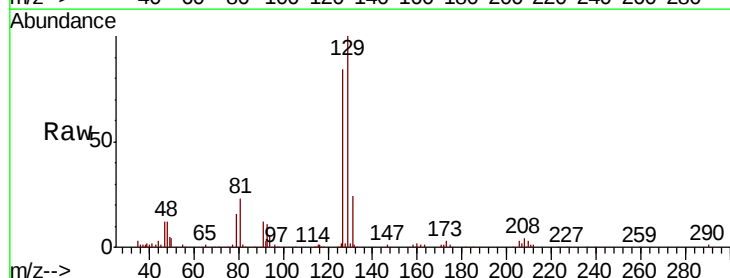
Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD01

Tot Ion: 43 Resp: 109555
Ion Ratio Lower Upper
43 100
58 41.0 23.3 69.8



#60
Dibromochloromethane
Concen: 20.278 ug/l
RT: 8.85 min Scan# 844
Delta R.T. -0.01 min
Lab File: VF059819.D
Acq: 2 Aug 2018 23:48

Tgt Ion:129 Resp: 58968
Ion Ratio Lower Upper
129 100
127 86.2 37.7 113.1





#61

1,2-Dibromoethane

Concen: 22.119 ug/l

RT: 9.12 min Scan# 872

Delta R.T. -0.01 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

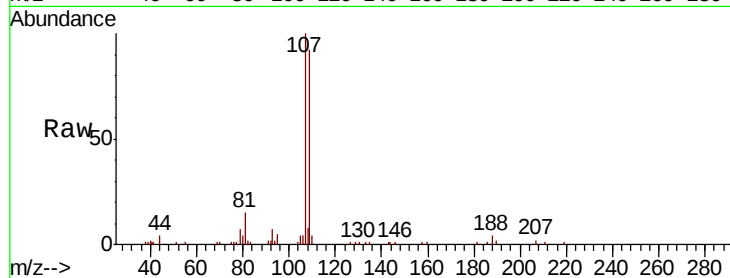
VF0802SBSD01

Tot Ion:107 Resp: 42565

Ion Ratio Lower Upper

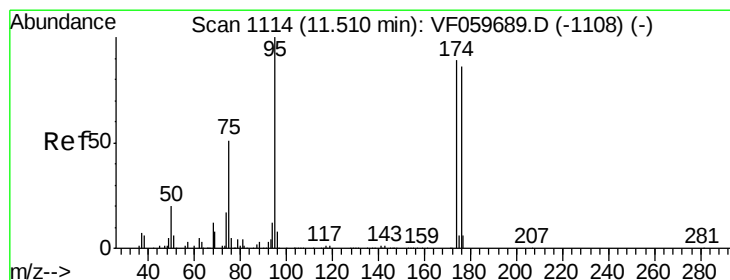
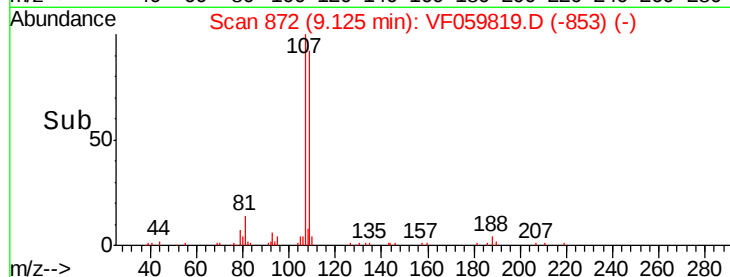
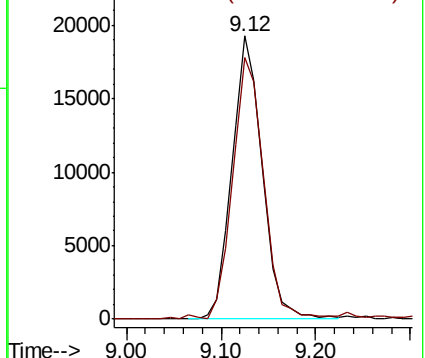
107 100

109 92.3 73.6 110.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V



#62

4-Bromofluorobenzene

Concen: 46.247 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

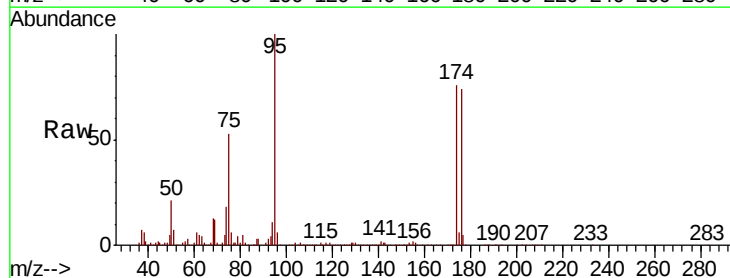
Tgt Ion: 95 Resp: 186852

Ion Ratio Lower Upper

95 100

174 75.7 0.0 178.4

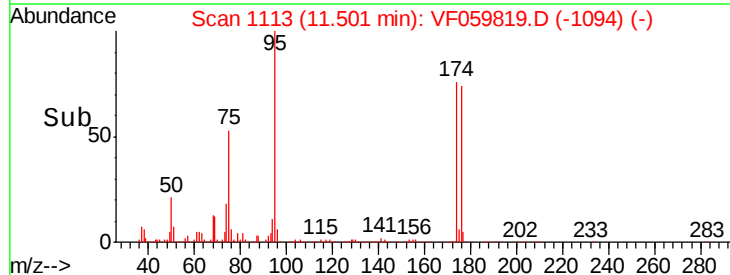
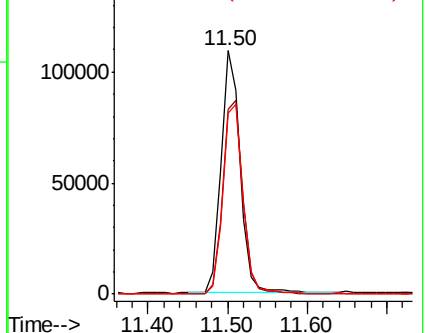
176 74.1 0.0 173.0

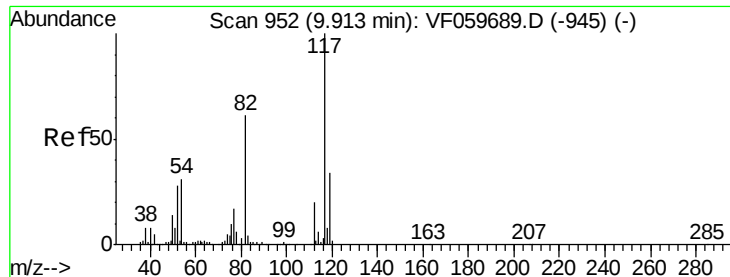


Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V

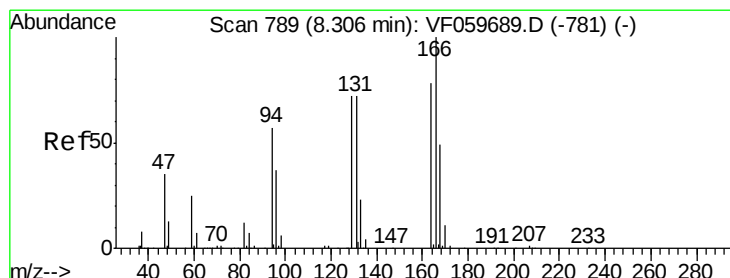
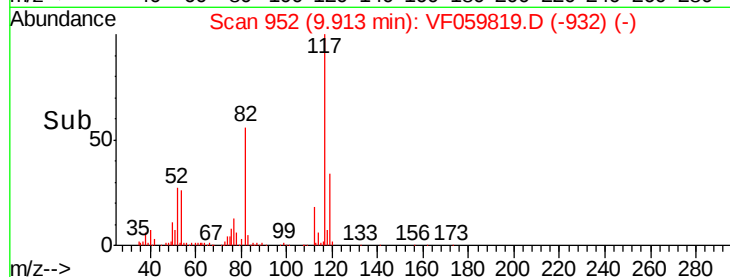
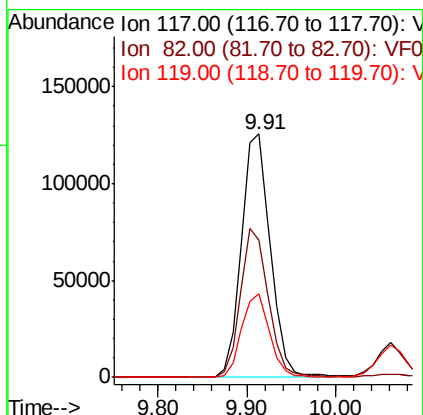
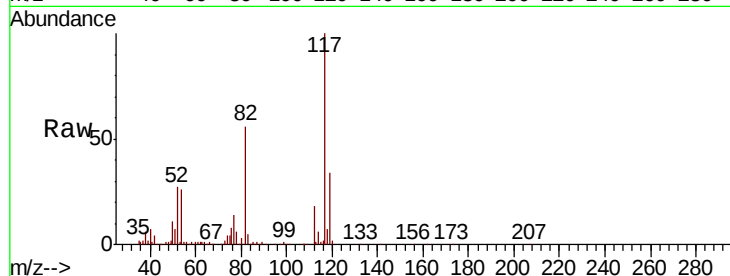




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059819.D
Acq: 2 Aug 2018 23:48

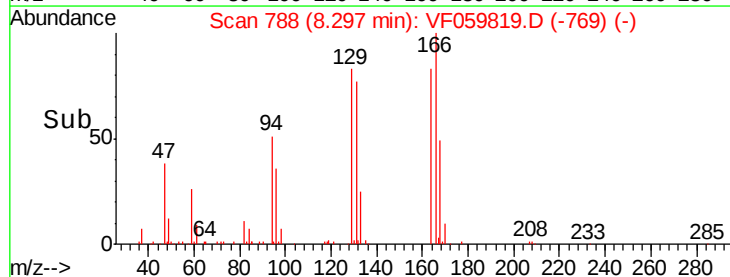
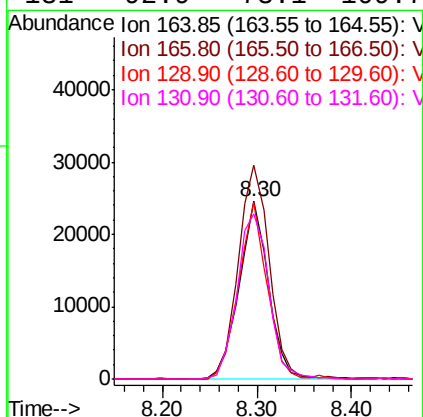
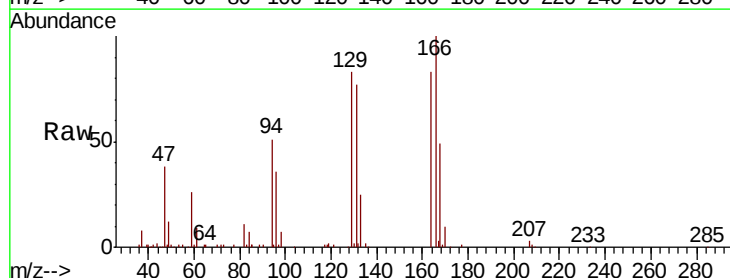
Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD01

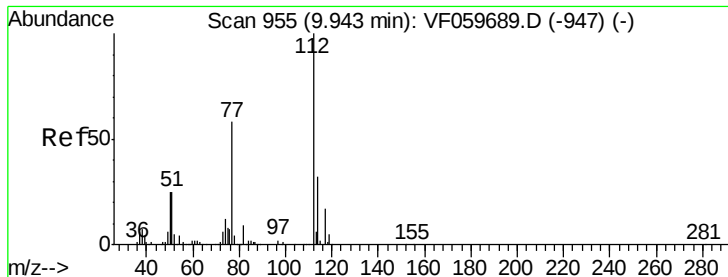
Tot Ion:117 Resp: 281663
Ion Ratio Lower Upper
117 100
82 56.3 49.0 73.4
119 34.4 27.3 40.9



#64
Tetrachloroethene
Concen: 25.609 ug/l
RT: 8.30 min Scan# 788
Delta R.T. -0.01 min
Lab File: VF059819.D
Acq: 2 Aug 2018 23:48

Tgt Ion:164 Resp: 52792
Ion Ratio Lower Upper
164 100
166 120.5 102.1 153.1
129 99.5 73.8 110.6
131 92.9 73.1 109.7





#65

Chlorobenzene

Concen: 22.069 ug/l

RT: 9.93 min Scan# 954

Delta R.T. -0.01 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

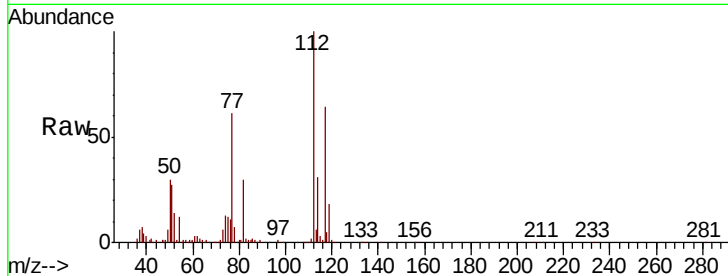
VF0802SBSD01

Tot Ion:112 Resp: 124347

Ion Ratio Lower Upper

112 100

114 31.2 25.6 38.4



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

60000

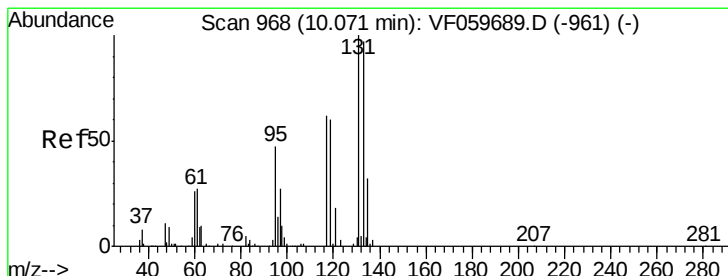
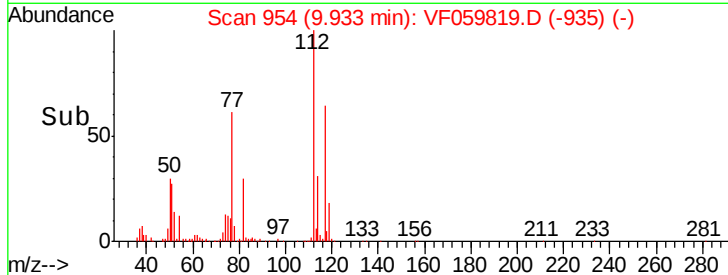
9.93

40000

20000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.708 ug/l

RT: 10.06 min Scan# 967

Delta R.T. -0.01 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

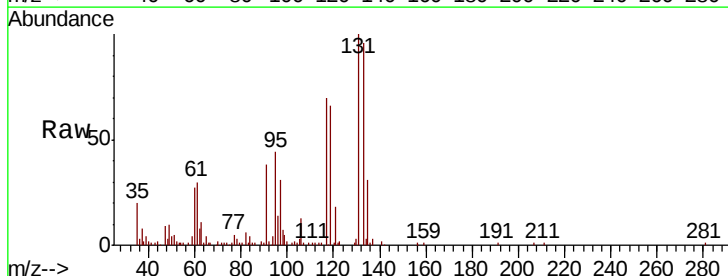
Tgt Ion:131 Resp: 57104

Ion Ratio Lower Upper

131 100

133 96.0 48.5 145.5

119 66.1 30.3 90.8



Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

60000

50000

40000

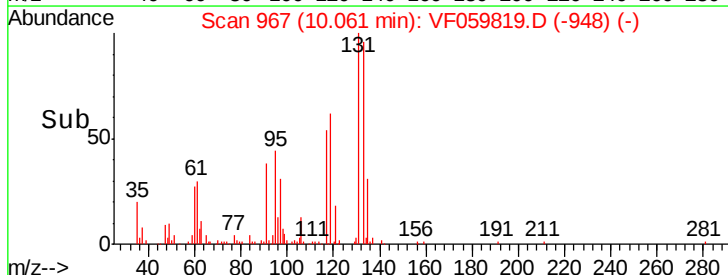
30000

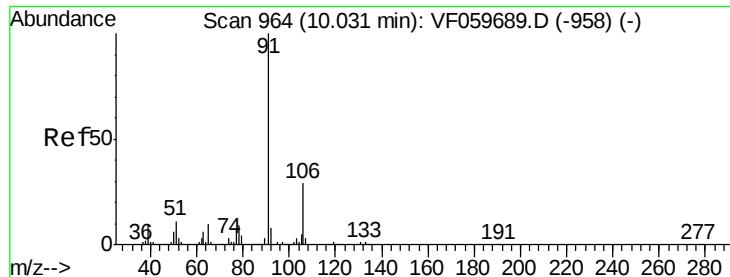
20000

10000

0

Time-->





#67

Ethyl Benzene

Concen: 22.965 ug/l

RT: 10.03 min Scan# 964

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

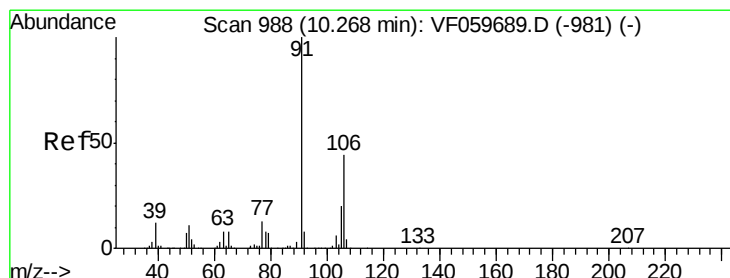
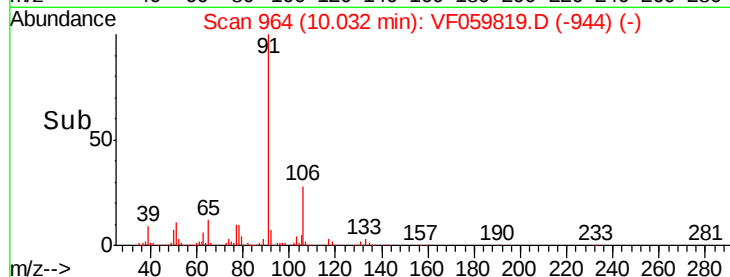
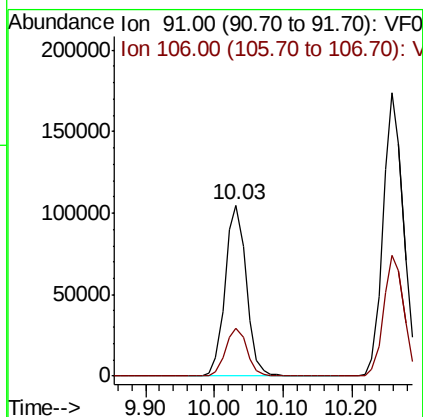
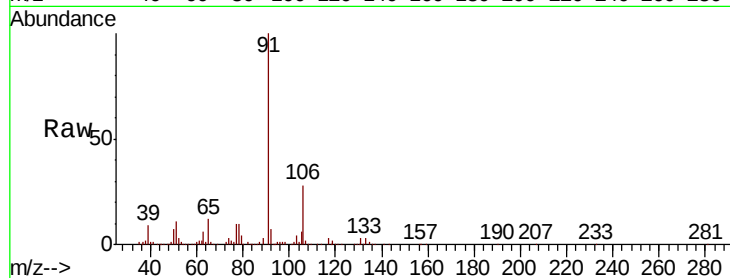
VF0802SBSD01

Tot Ion: 91 Resp: 223879

Ion Ratio Lower Upper

91 100

106 27.7 22.9 34.3



#68

m/p-Xylenes

Concen: 46.868 ug/l

RT: 10.26 min Scan# 987

Delta R.T. -0.01 min

Lab File: VF059819.D

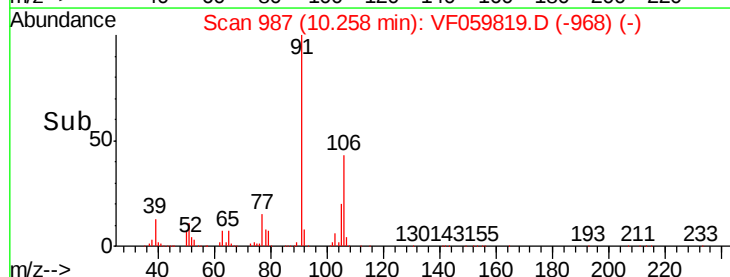
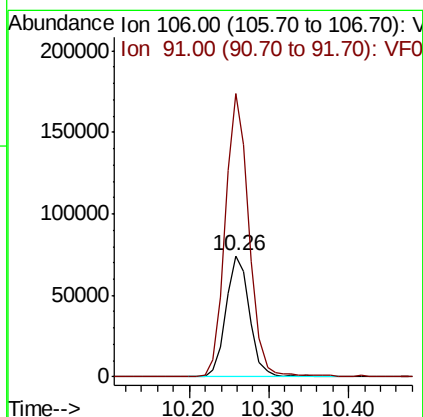
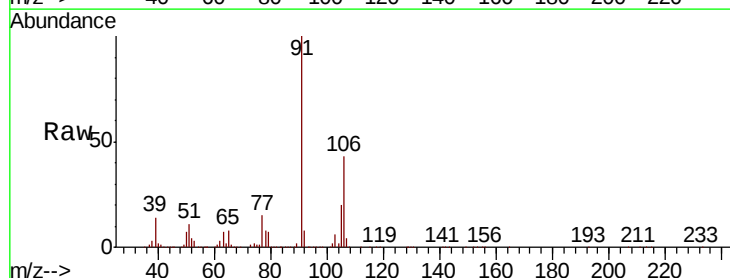
Acq: 2 Aug 2018 23:48

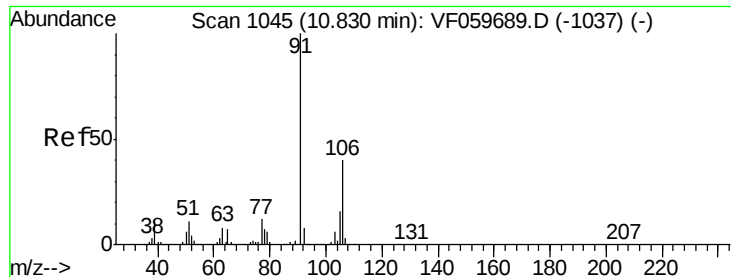
Tgt Ion:106 Resp: 155513

Ion Ratio Lower Upper

106 100

91 234.3 181.7 272.5

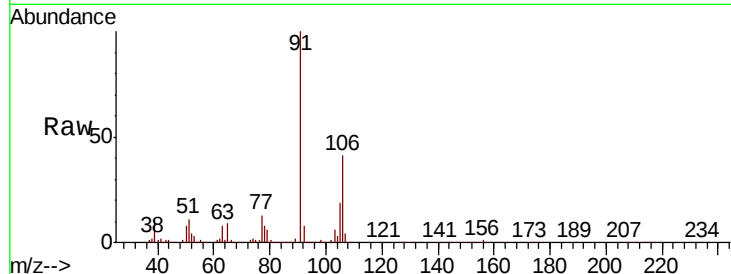




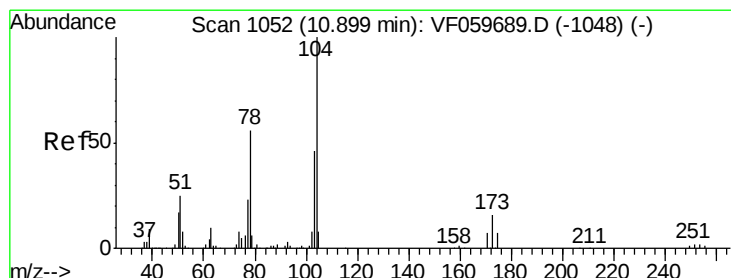
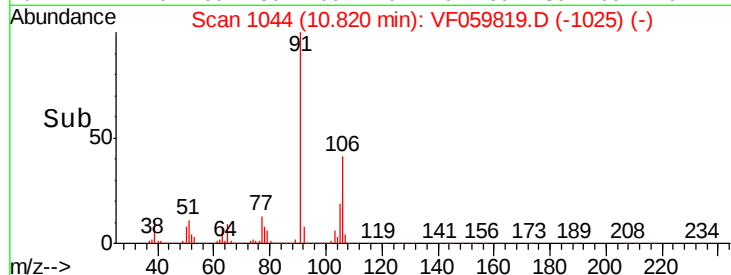
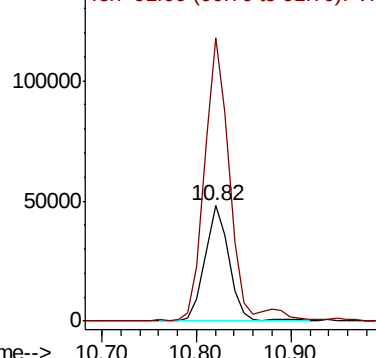
#69
o-Xylene
Concen: 23.757 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059819.D
Acq: 2 Aug 2018 23:48

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD01

Tot Ion:106 Resp: 85336
Ion Ratio Lower Upper
106 100
91 245.3 124.6 373.7

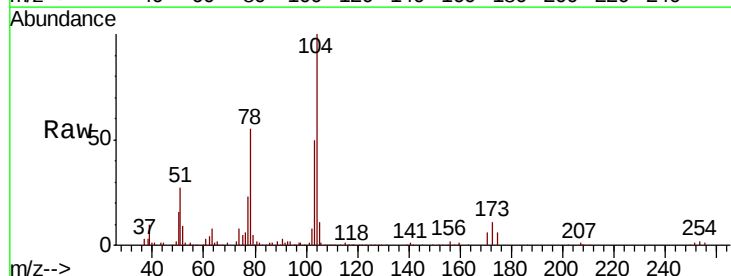


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VF0

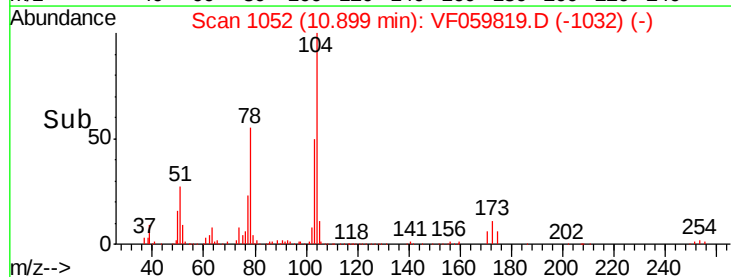
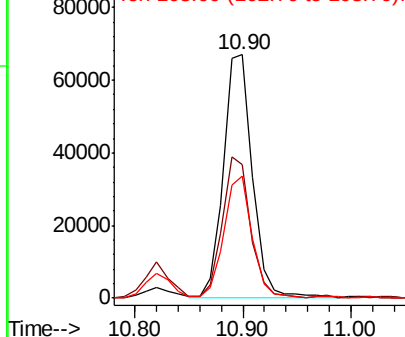


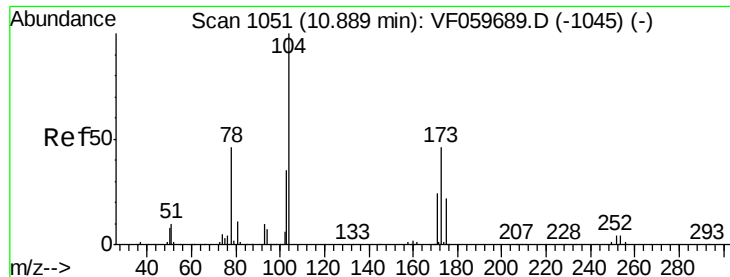
#70
Styrene
Concen: 22.849 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. 0.00 min
Lab File: VF059819.D
Acq: 2 Aug 2018 23:48

Tgt Ion:104 Resp: 124334
Ion Ratio Lower Upper
104 100
78 55.0 45.3 67.9
103 50.2 36.6 54.8



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





#71

Bromoform

Concen: 22.483 ug/l

RT: 10.88 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

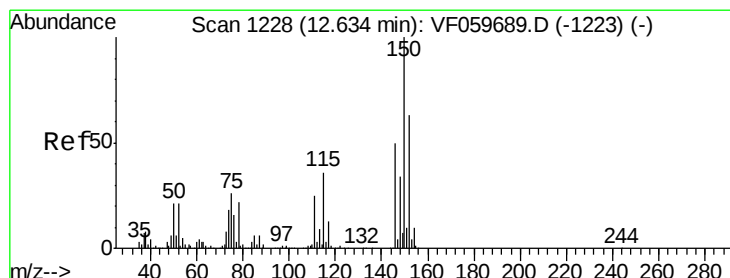
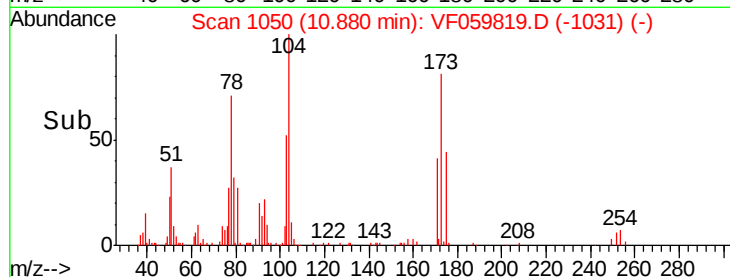
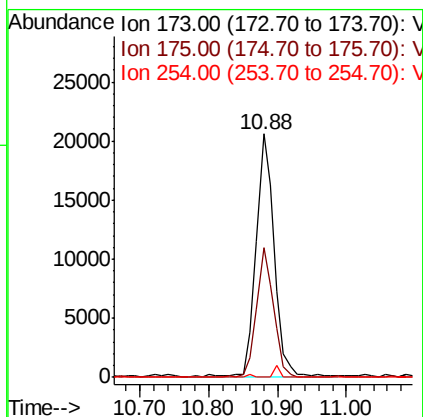
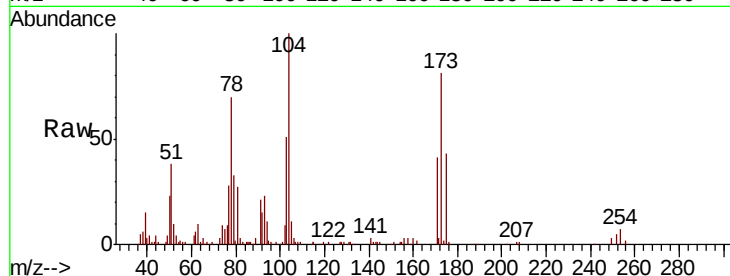
Tot Ion:173 Resp: 38537

Ion Ratio Lower Upper

173 100

175 53.3 23.4 70.0

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.62 min Scan# 1227

Delta R.T. -0.01 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

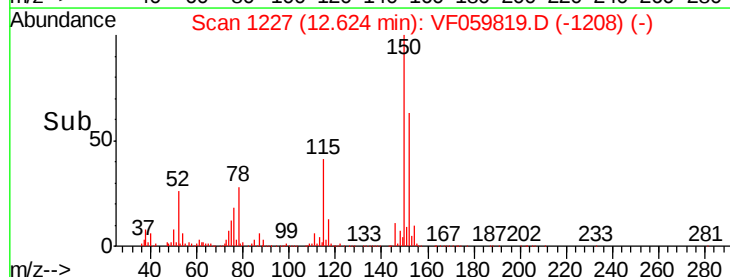
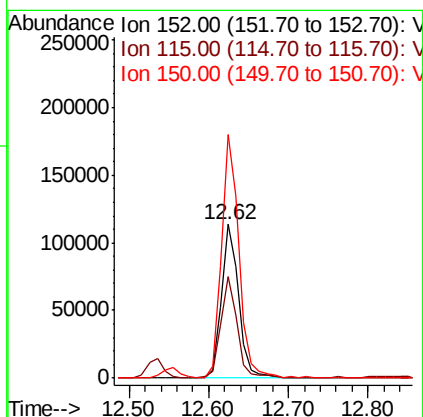
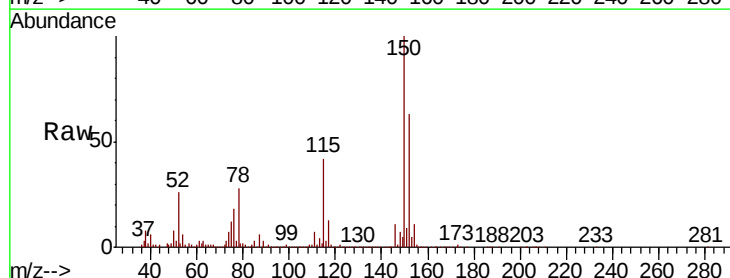
Tgt Ion:152 Resp: 171737

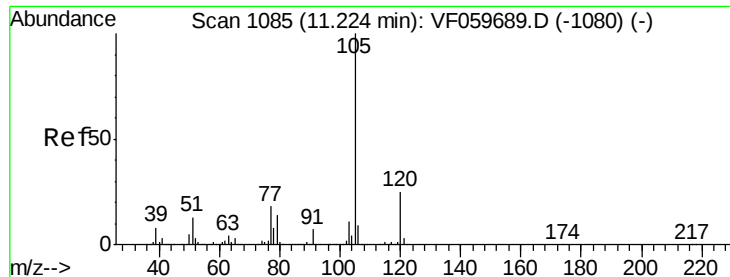
Ion Ratio Lower Upper

152 100

115 66.2 28.2 84.6

150 158.6 0.0 316.2





#73

Isopropylbenzene

Concen: 24.540 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

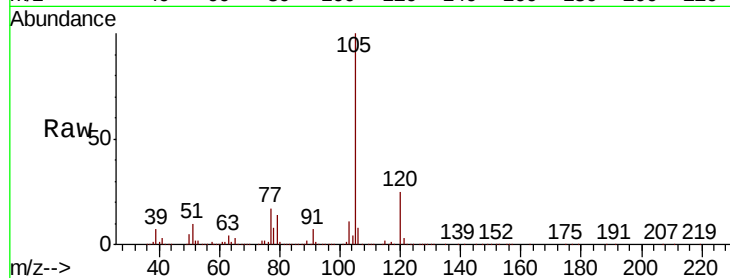
VF0802SBSD01

Tot Ion:105 Resp: 276532

Ion Ratio Lower Upper

105 100

120 24.6 12.4 37.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.22

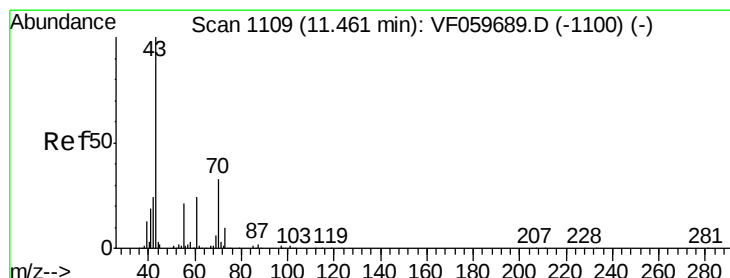
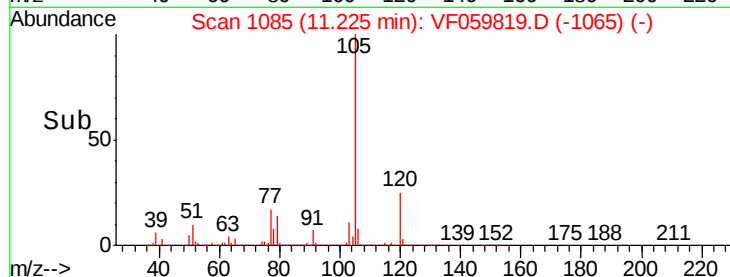
150000

100000

50000

0

Time--> 11.10 11.20 11.30 11.40



#74

N-ethyl acetate

Concen: 23.913 ug/l

RT: 11.46 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Tgt Ion: 43 Resp: 67983

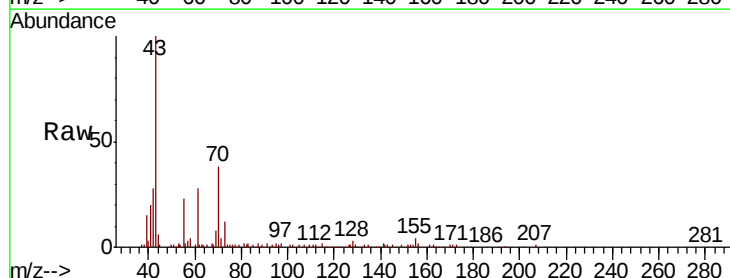
Ion Ratio Lower Upper

43 100

70 38.3 26.3 39.5

55 22.9 16.6 25.0

61 28.2 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

11.46

50000

40000

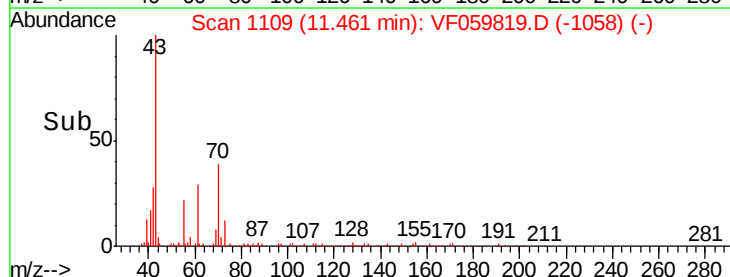
30000

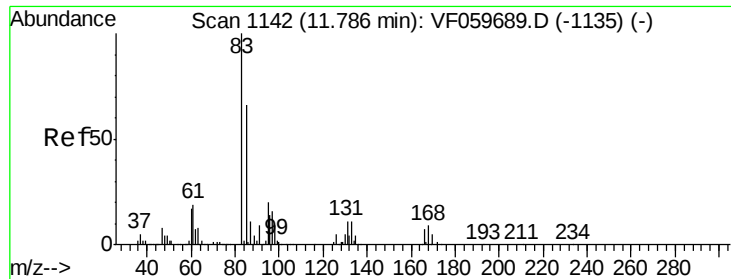
20000

10000

0

Time--> 11.30 11.40 11.50 11.60





#75

1,1,2,2-Tetrachloroethane

Concen: 27.415 ug/l

RT: 11.78 min Scan# 1141

Delta R.T. -0.01 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

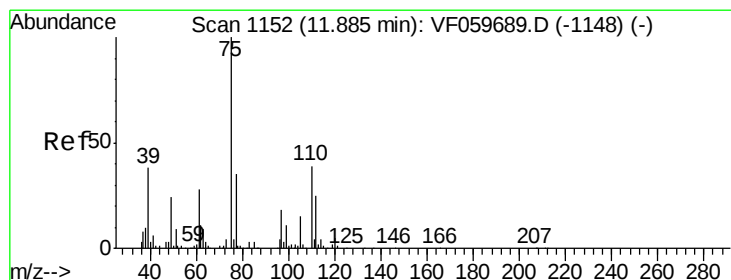
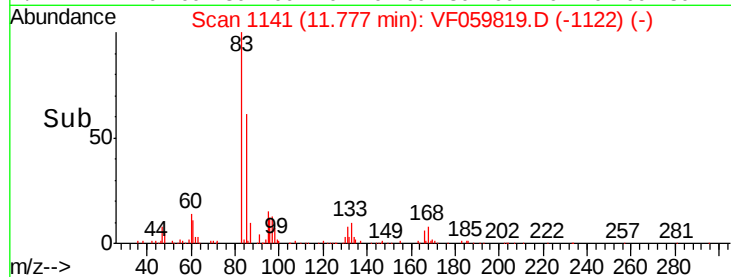
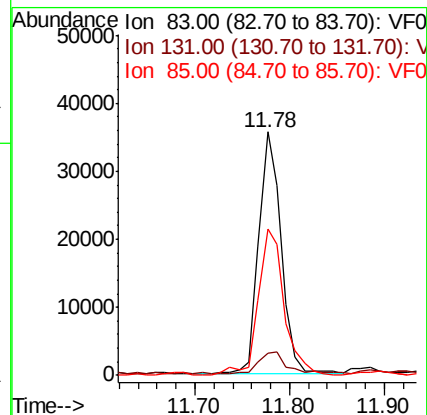
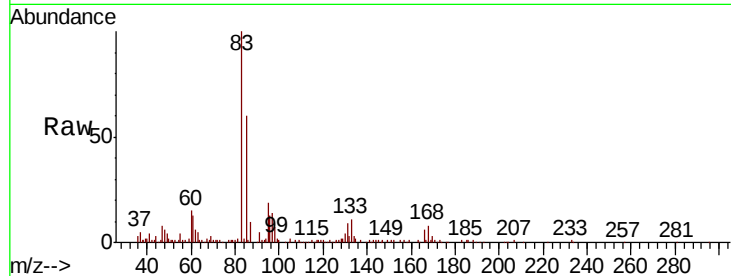
Tot Ion: 83 Resp: 58153

Ion Ratio Lower Upper

83 100

131 9.3 5.8 17.3

85 60.3 32.8 98.3



#76

1,2,3-Trichloropropane

Concen: 23.753 ug/l

RT: 11.88 min Scan# 1152

Delta R.T. 0.00 min

Lab File: VF059819.D

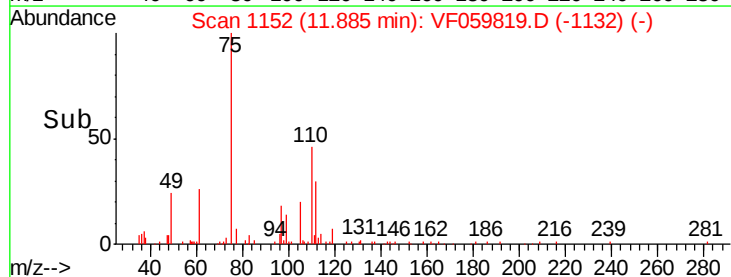
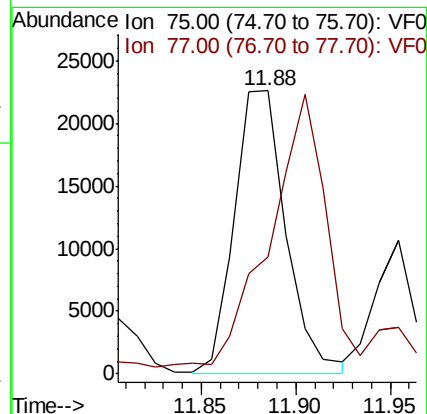
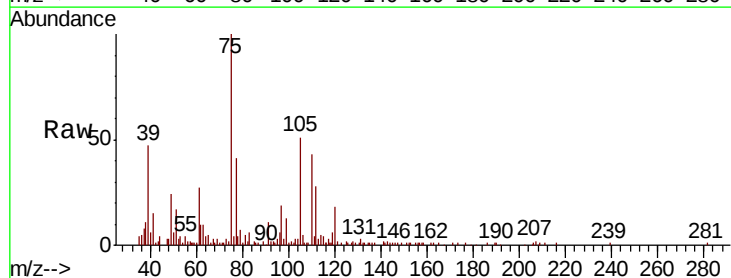
Acq: 2 Aug 2018 23:48

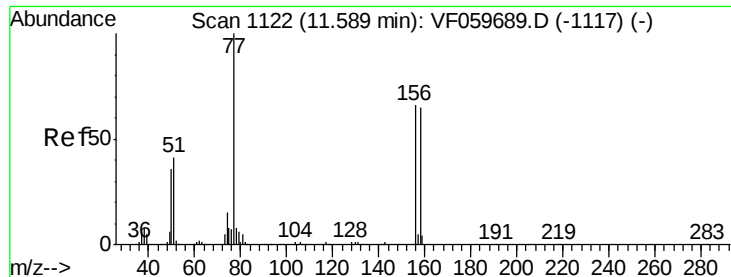
Tgt Ion: 75 Resp: 42843

Ion Ratio Lower Upper

75 100

77 41.2 18.0 54.0





#77

Bromobenzene

Concen: 24.697 ug/l

RT: 11.59 min Scan# 1122

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

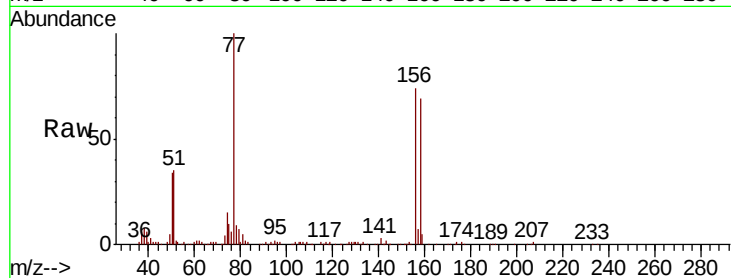
Tot Ion:156 Resp: 72673

Ion Ratio Lower Upper

156 100

77 135.3 75.2 225.6

158 93.2 49.1 147.3

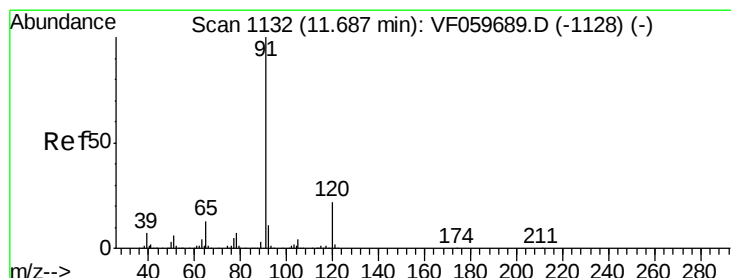
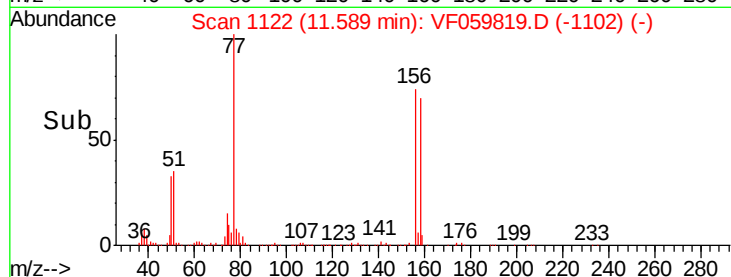
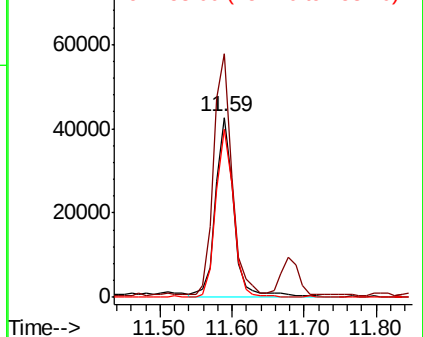


Abundance

Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VF0

Ion 158.00 (157.70 to 158.70): V



#78

n-propylbenzene

Concen: 23.428 ug/l

RT: 11.68 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VF059819.D

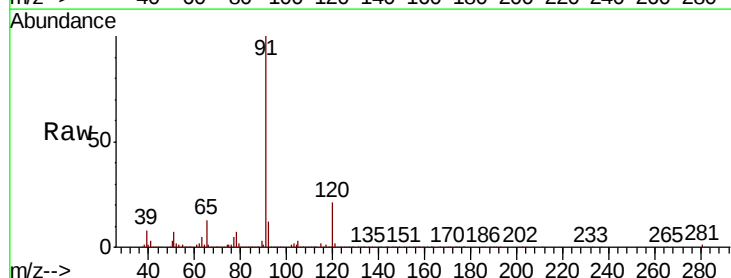
Acq: 2 Aug 2018 23:48

Tgt Ion: 91 Resp: 301364

Ion Ratio Lower Upper

91 100

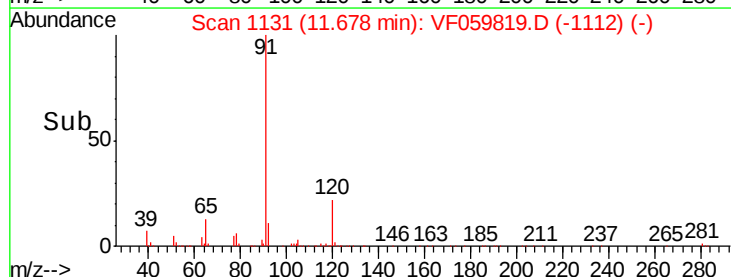
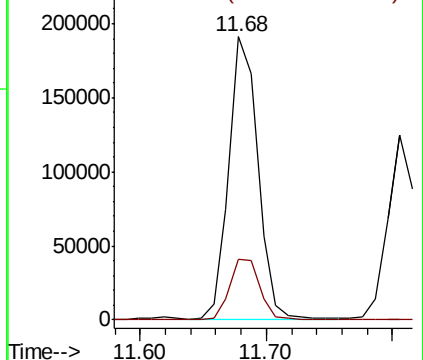
120 21.5 11.0 33.0

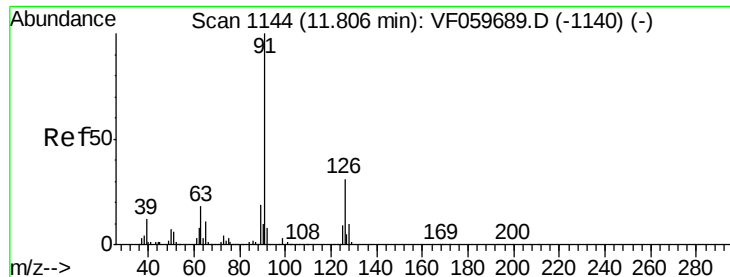


Abundance

Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 24.142 ug/l

RT: 11.81 min Scan# 1144

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

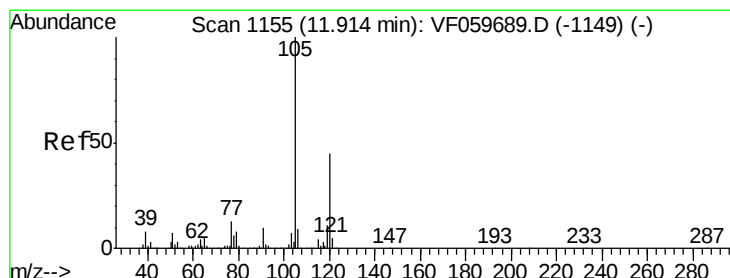
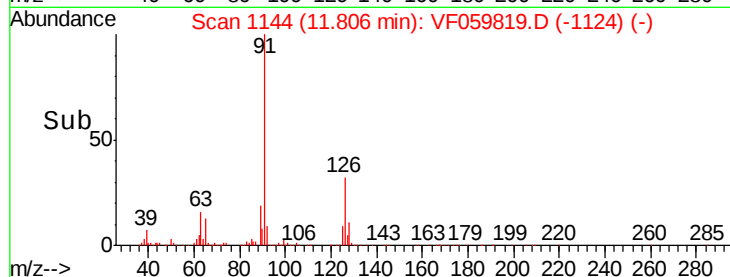
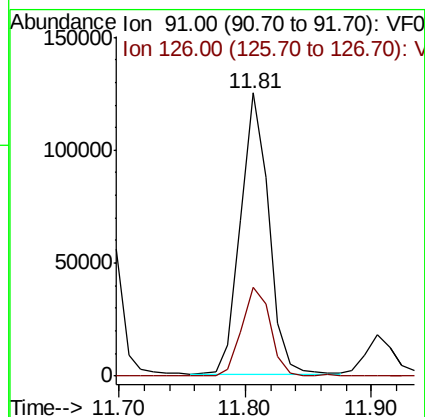
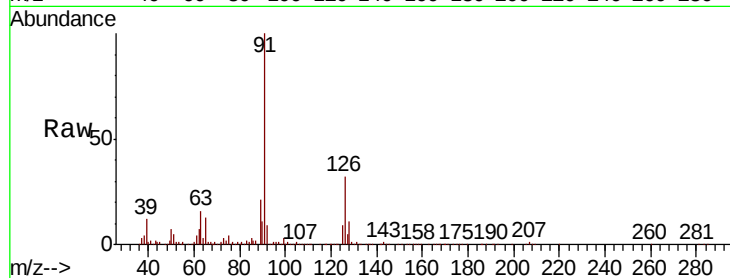
VF0802SBSD01

Tot Ion: 91 Resp: 192002

Ion Ratio Lower Upper

91 100

126 31.5 15.4 46.2



#80

1,3,5-Trimethylbenzene

Concen: 24.082 ug/l

RT: 11.90 min Scan# 1154

Delta R.T. -0.01 min

Lab File: VF059819.D

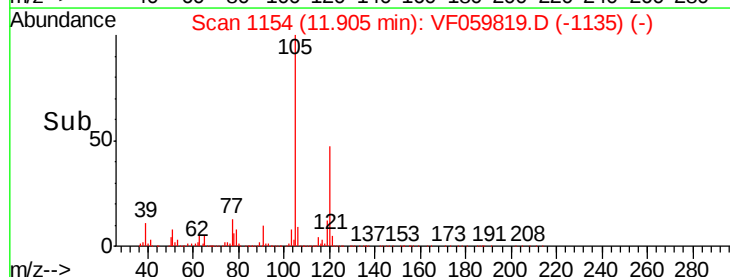
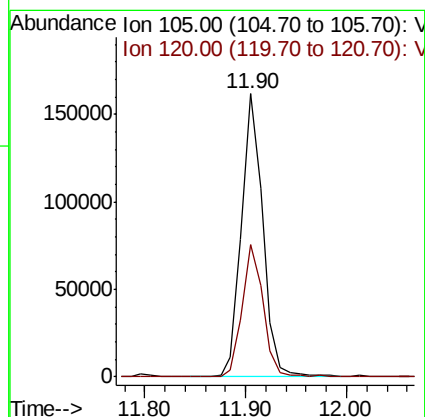
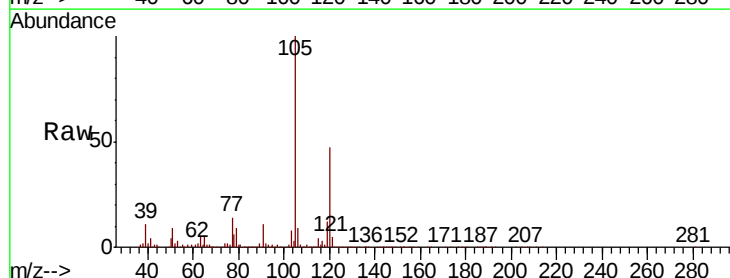
Acq: 2 Aug 2018 23:48

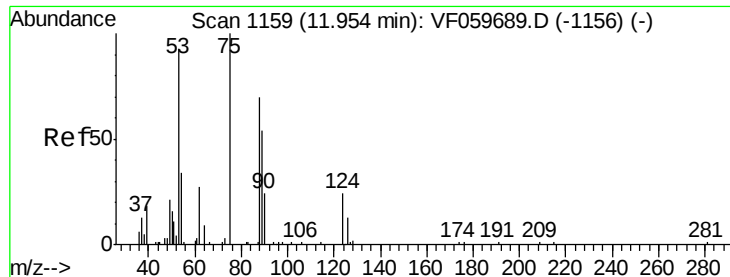
Tgt Ion:105 Resp: 237776

Ion Ratio Lower Upper

105 100

120 46.9 22.7 68.0





#81

trans-1,4-Dichloro-2-butene

Concen: 30.011 ug/l

RT: 11.95 min Scan# 1159

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

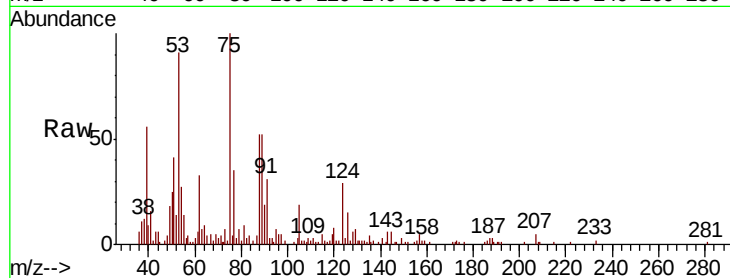
Tot Ion: 75 Resp: 22418

Ion Ratio Lower Upper

75 100

53 90.8 78.3 117.5

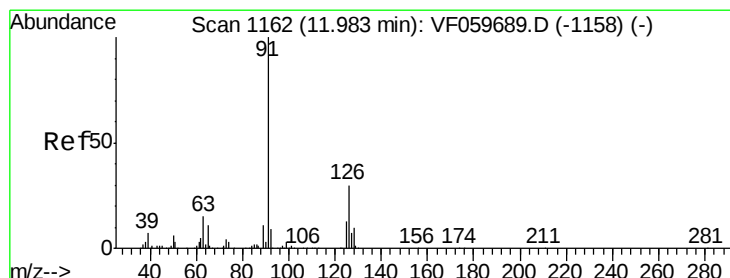
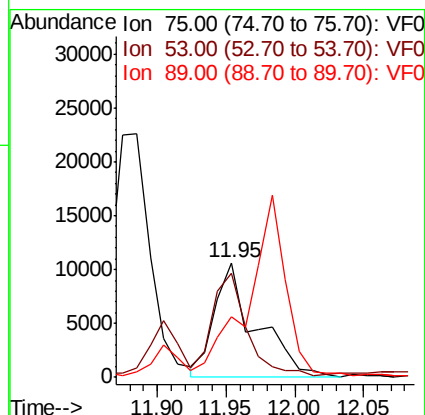
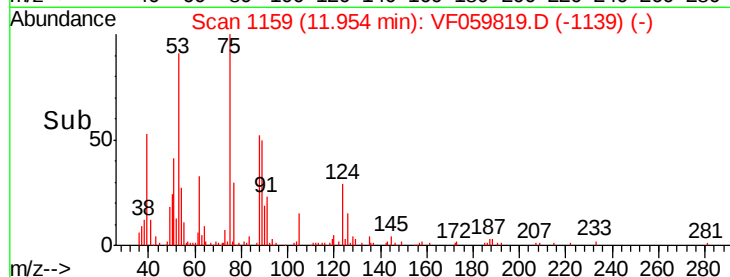
89 52.3 45.4 68.2



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



#82

4-Chlorotoluene

Concen: 23.690 ug/l

RT: 11.98 min Scan# 1162

Delta R.T. 0.00 min

Lab File: VF059819.D

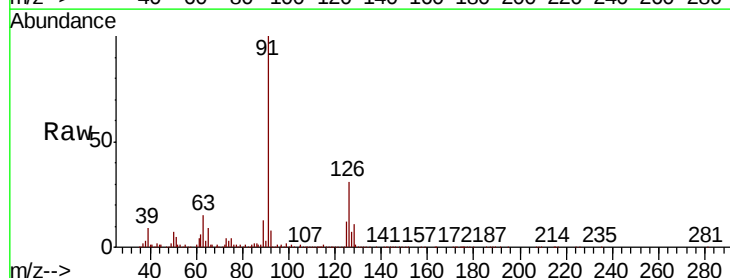
Acq: 2 Aug 2018 23:48

Tgt Ion: 91 Resp: 200353

Ion Ratio Lower Upper

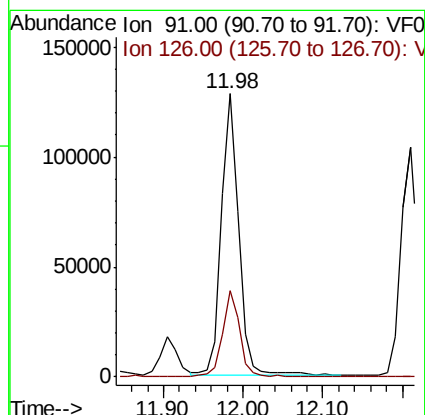
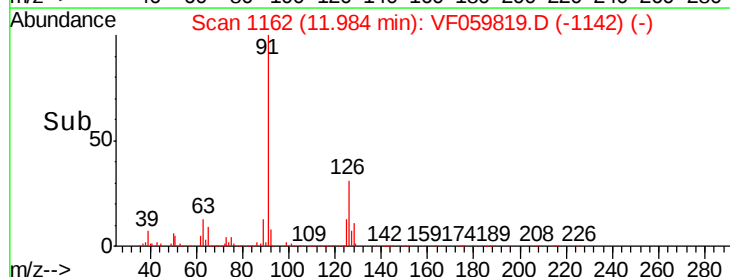
91 100

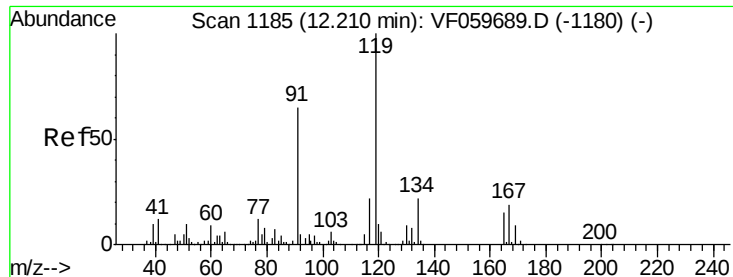
126 30.6 15.2 45.6



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

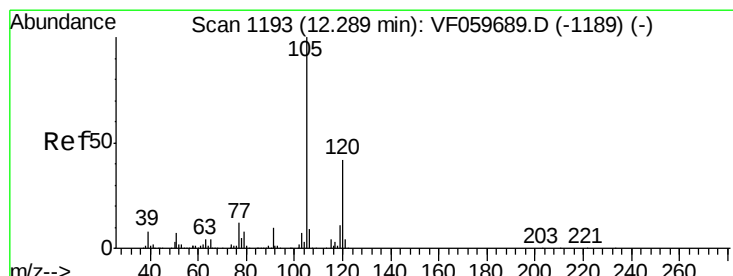
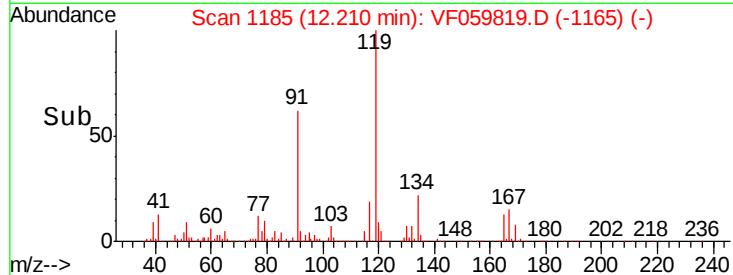
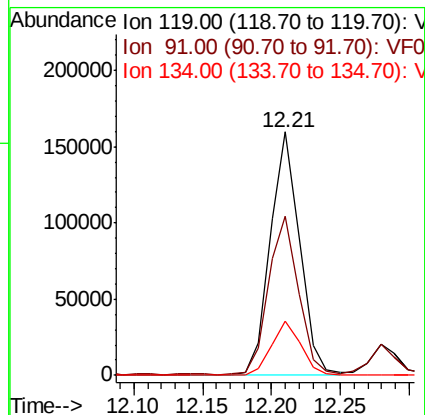
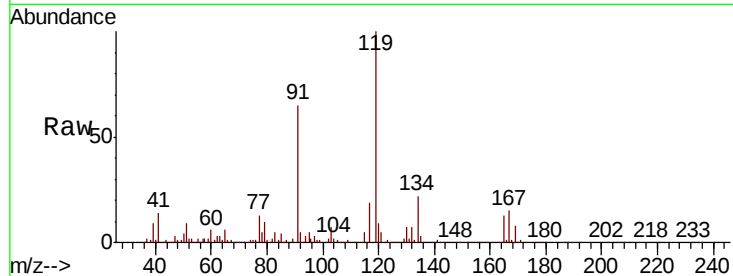




#83
 tert-Butylbenzene
 Concen: 23.377 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. 0.00 min
 Lab File: VF059819.D
 Acq: 2 Aug 2018 23:48

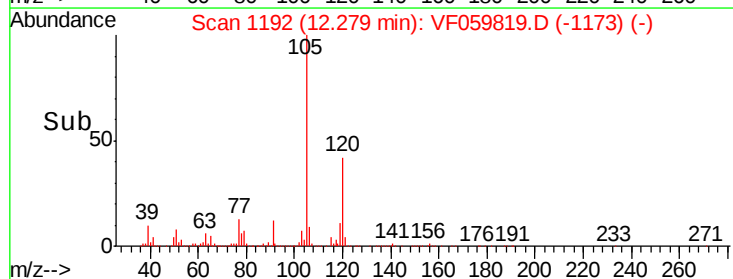
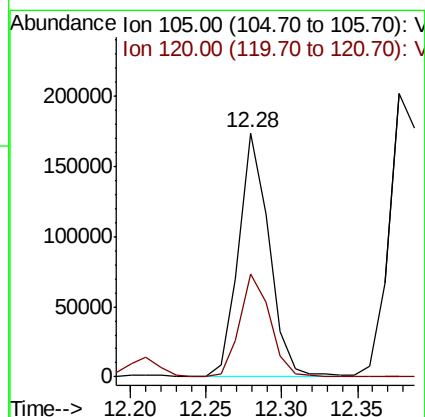
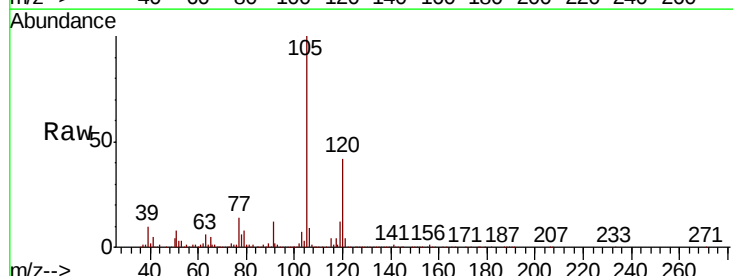
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD01

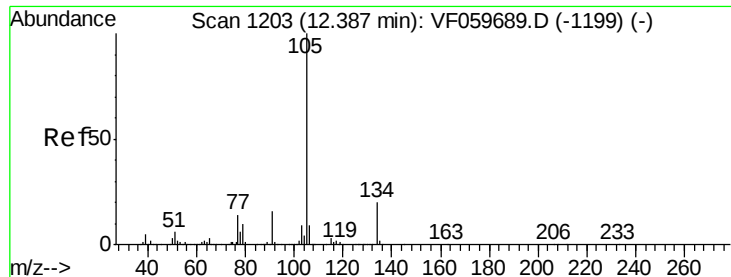
Tot Ion:119 Resp: 236474
 Ion Ratio Lower Upper
 119 100
 91 65.3 32.8 98.4
 134 22.2 10.9 32.7



#84
 1,2,4-Trimethylbenzene
 Concen: 24.374 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.01 min
 Lab File: VF059819.D
 Acq: 2 Aug 2018 23:48

Tgt Ion:105 Resp: 242119
 Ion Ratio Lower Upper
 105 100
 120 42.1 21.1 63.3

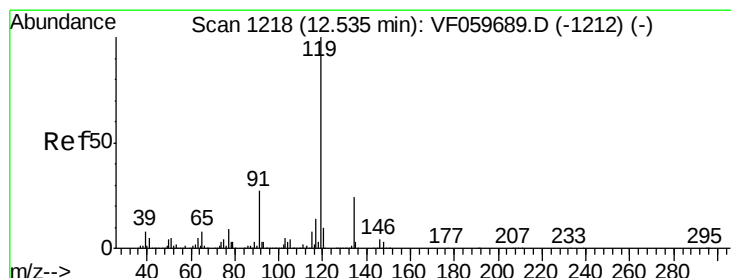
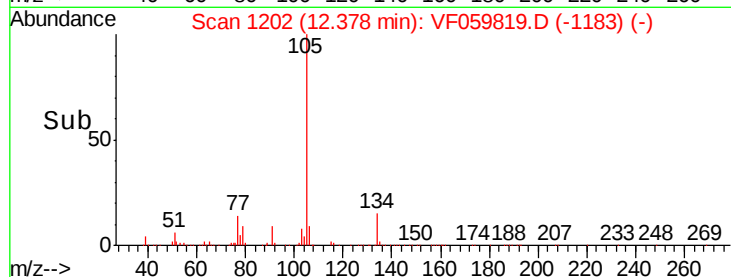
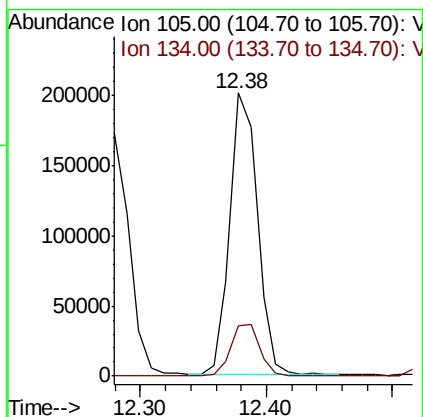
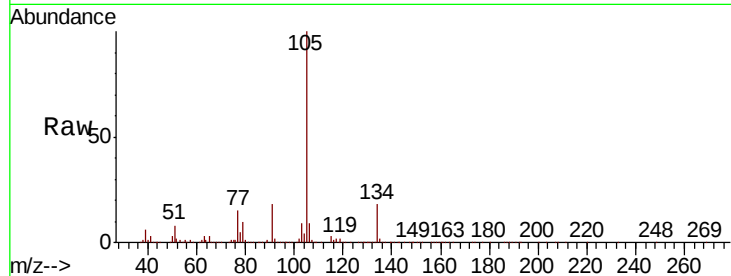




#85
 sec-Butylbenzene
 Concen: 23.824 ug/l
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.01 min
 Lab File: VF059819.D
 Acq: 2 Aug 2018 23:48

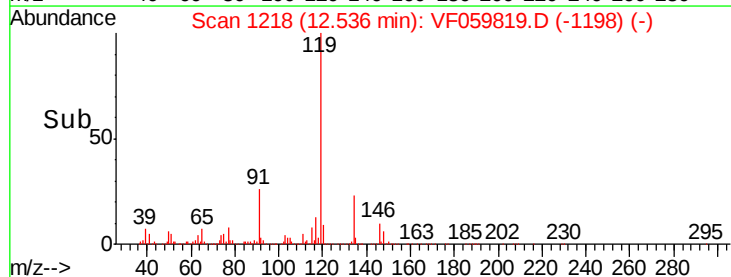
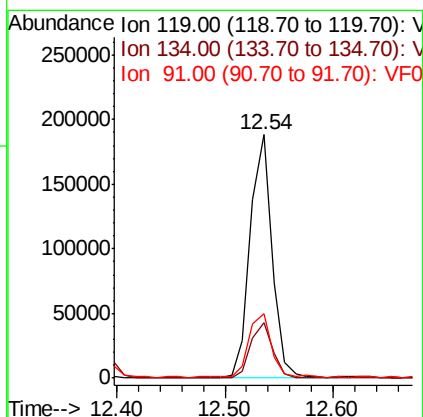
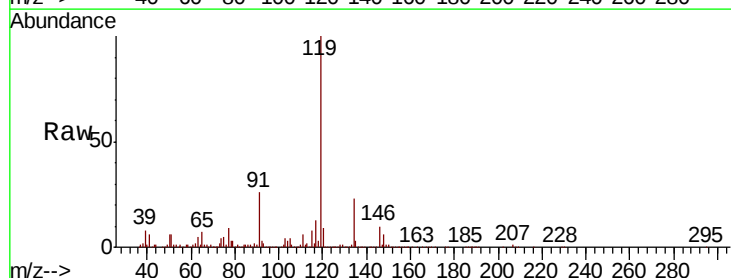
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD01

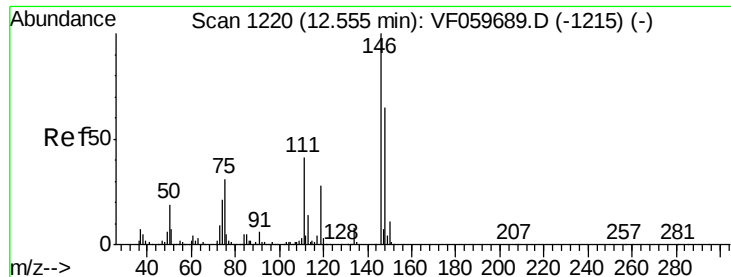
Tot Ion:105 Resp: 306691
 Ion Ratio Lower Upper
 105 100
 134 17.6 9.8 29.3



#86
 p-Isopropyltoluene
 Concen: 23.598 ug/l
 RT: 12.54 min Scan# 1218
 Delta R.T. 0.00 min
 Lab File: VF059819.D
 Acq: 2 Aug 2018 23:48

Tgt Ion:119 Resp: 266420
 Ion Ratio Lower Upper
 119 100
 134 22.9 12.2 36.6
 91 26.3 13.4 40.2

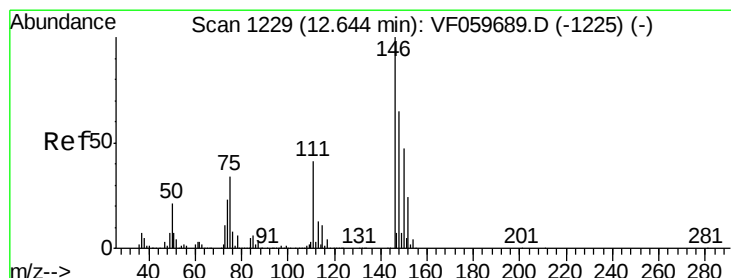
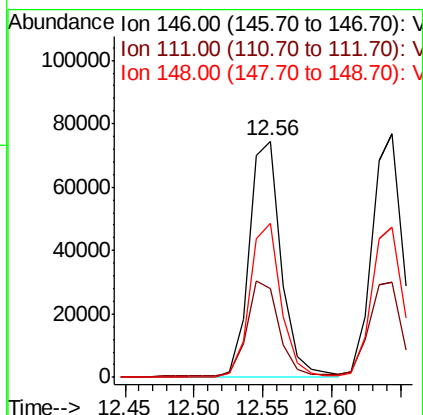
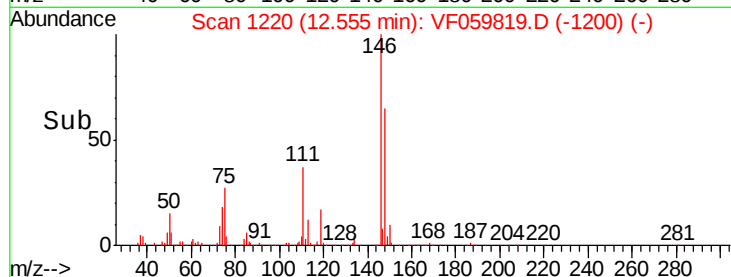
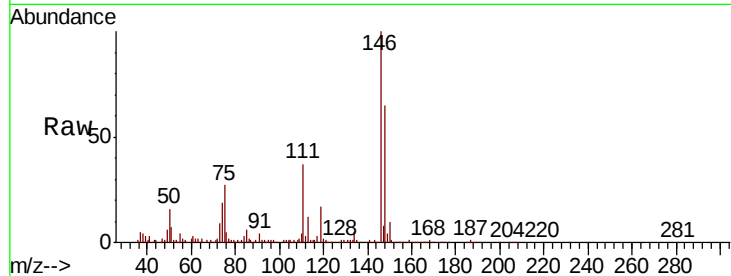




#87
 1,3-Dichlorobenzene
 Concen: 21.991 ug/l
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.00 min
 Lab File: VF059819.D
 Acq: 2 Aug 2018 23:48

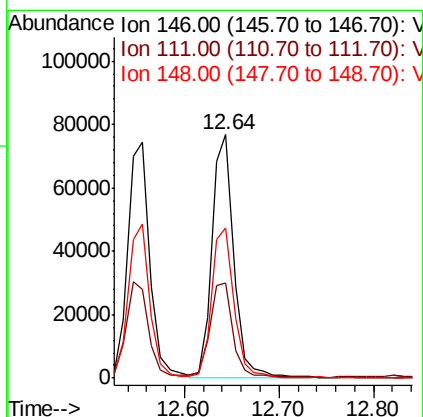
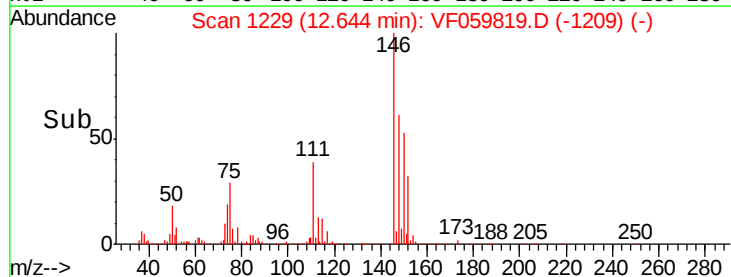
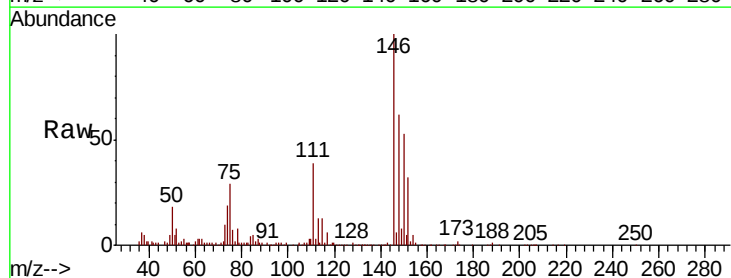
Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD01

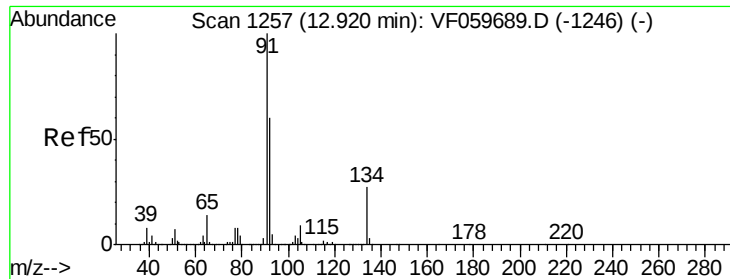
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	20.7	62.1
148	65.2	32.3	96.8



#88
 1,4-Dichlorobenzene
 Concen: 23.154 ug/l
 RT: 12.64 min Scan# 1229
 Delta R.T. 0.00 min
 Lab File: VF059819.D
 Acq: 2 Aug 2018 23:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.8	62.2
148	61.5	32.3	96.9

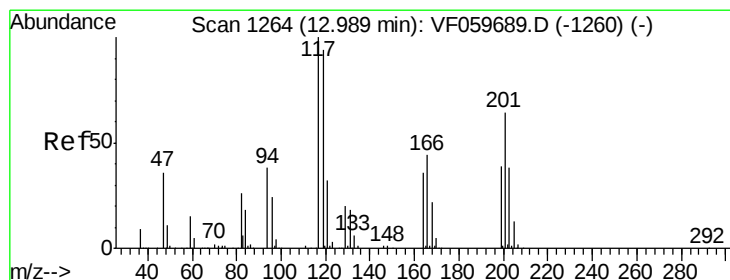
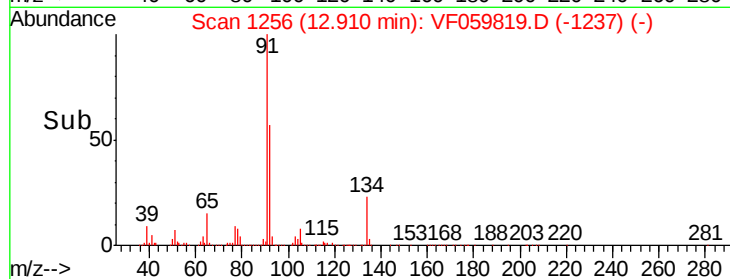
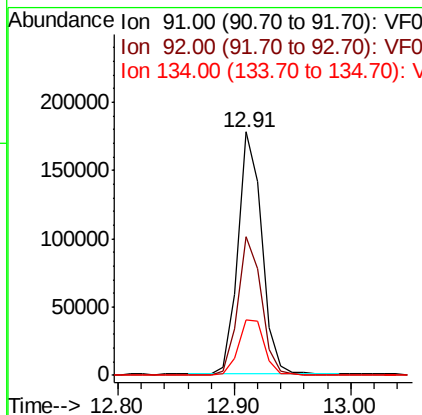
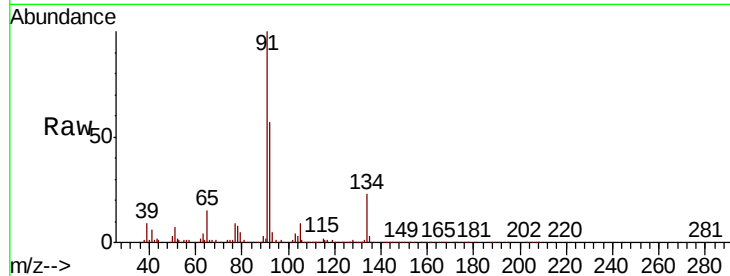




#89
n-Butylbenzene
Concen: 23.329 ug/l
RT: 12.91 min Scan# 1256
Delta R.T. -0.01 min
Lab File: VF059819.D
Acq: 2 Aug 2018 23:48

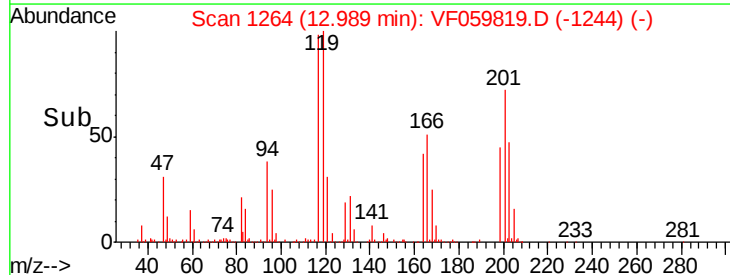
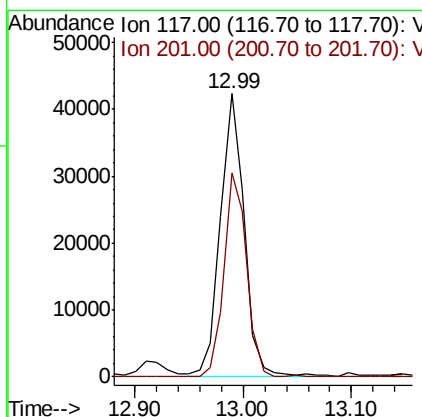
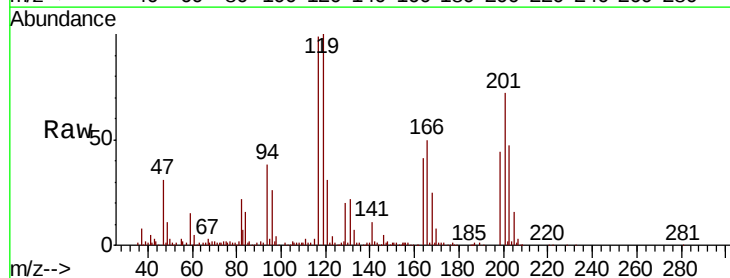
Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD01

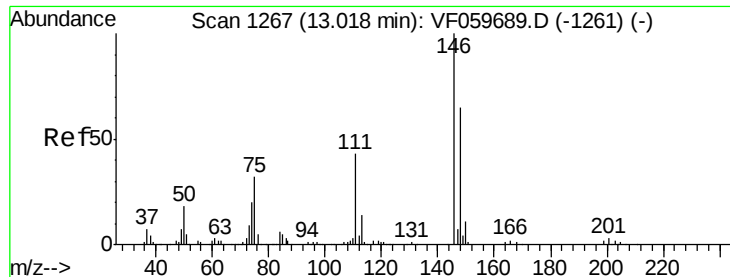
Tot Ion: 91 Resp: 251360
Ion Ratio Lower Upper
91 100
92 57.0 30.1 90.3
134 22.7 13.7 41.0



#90
Hexachloroethane
Concen: 22.527 ug/l
RT: 12.99 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VF059819.D
Acq: 2 Aug 2018 23:48

Tgt Ion: 117 Resp: 64026
Ion Ratio Lower Upper
117 100
201 72.1 31.9 95.5





#91

1,2-Dichlorobenzene

Concen: 24.647 ug/l

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

Instrument :

MSVOA_F

ClientSampleId :

VF0802SBSD01

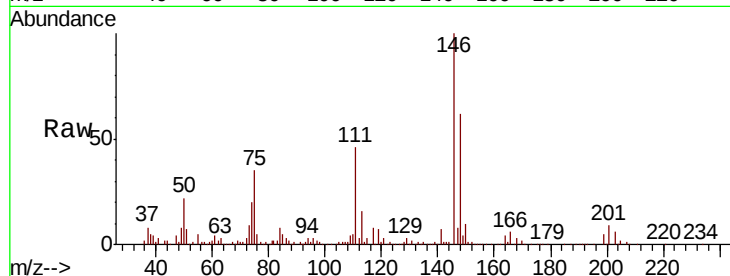
Tot Ion:146 Resp: 126248

Ion Ratio Lower Upper

146 100

111 45.9 21.6 65.0

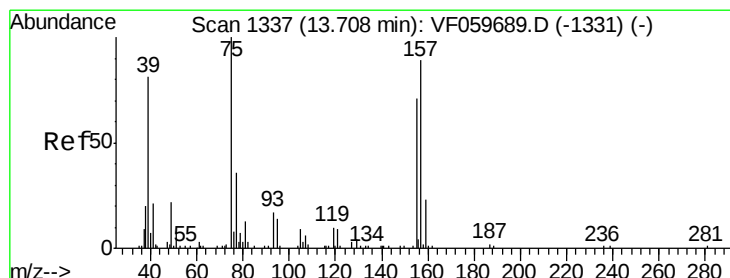
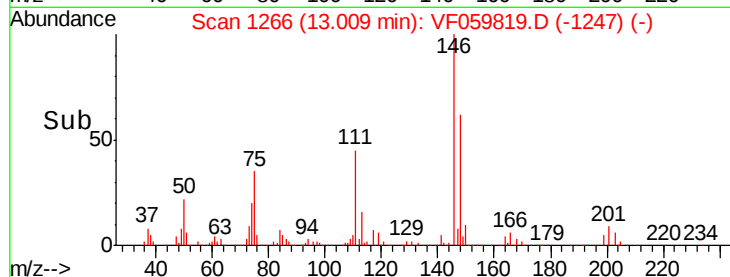
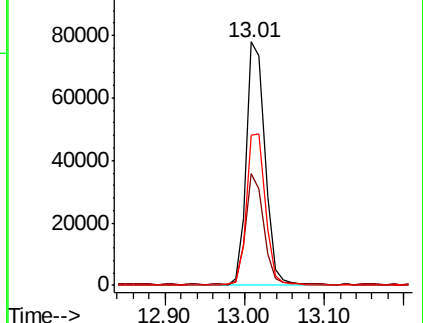
148 61.9 32.3 96.9



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: 25.641 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VF059819.D

Acq: 2 Aug 2018 23:48

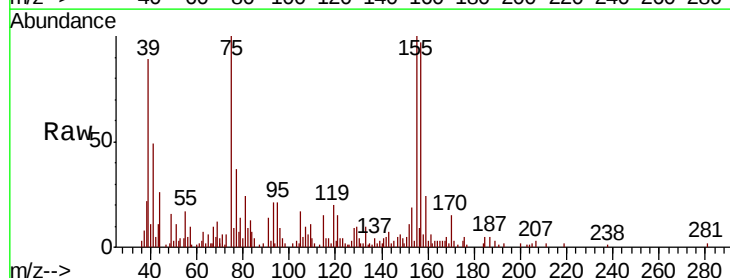
Tgt Ion: 75 Resp: 13296

Ion Ratio Lower Upper

75 100

155 100.3 35.4 106.2

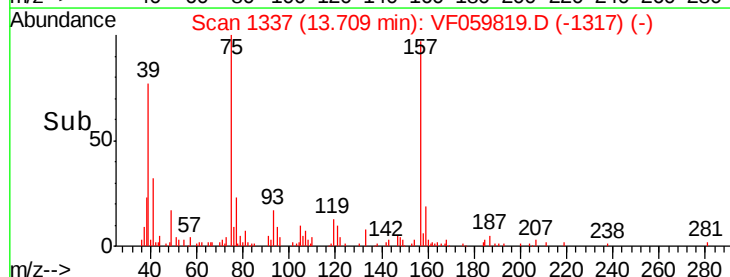
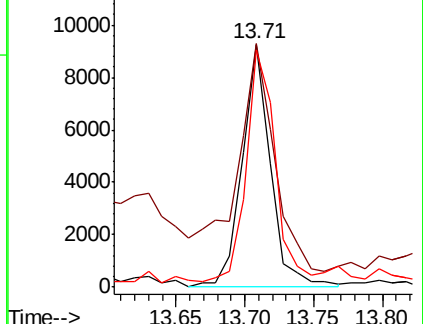
157 97.6 44.4 133.2

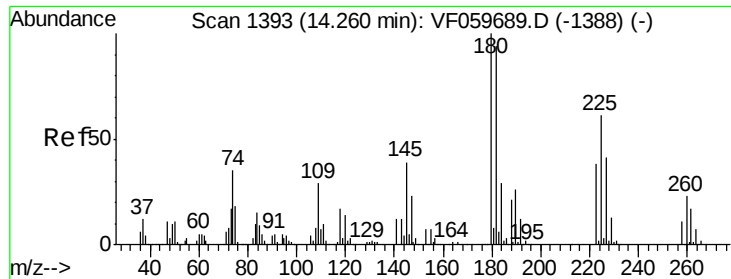


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

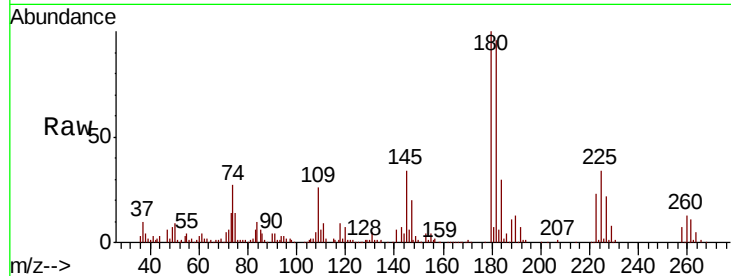




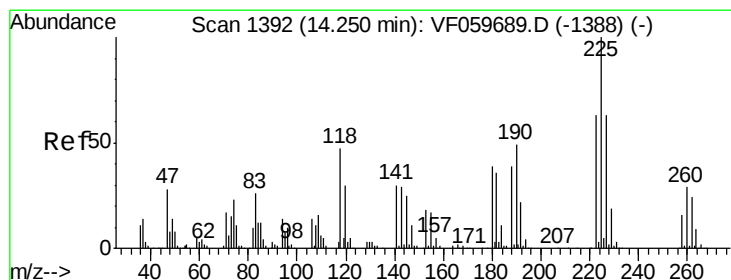
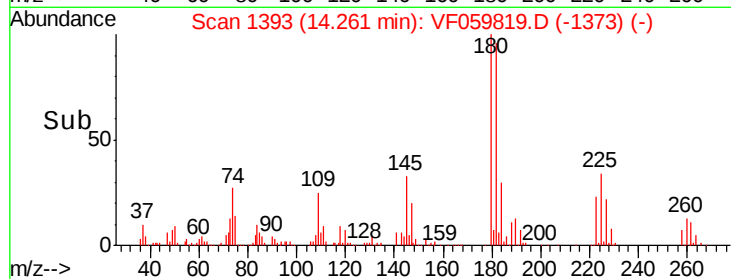
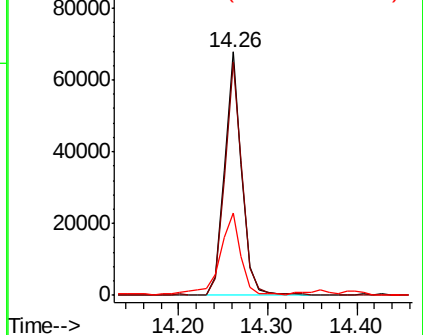
#93
 1,2,4-Trichlorobenzene
 Concen: 22.218 ug/l
 RT: 14.26 min Scan# 1393
 Delta R.T. 0.00 min
 Lab File: VF059819.D
 Acq: 2 Aug 2018 23:48

Instrument :
 MSVOA_F
 ClientSampleId :
 VF0802SBSD01

Tot Ion:180 Resp: 93060
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.2 141.6
 145 33.6 19.3 57.9

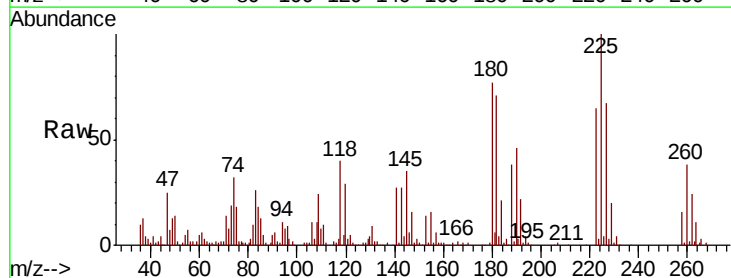


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

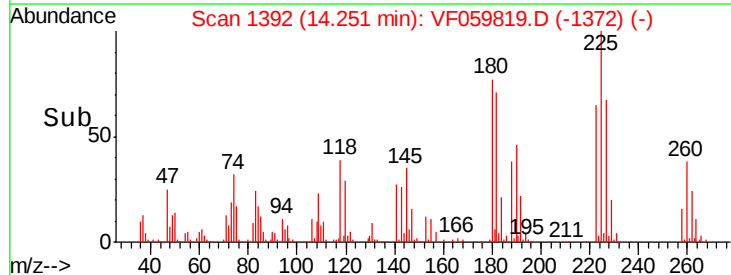
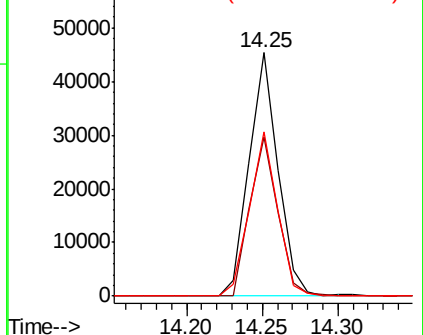


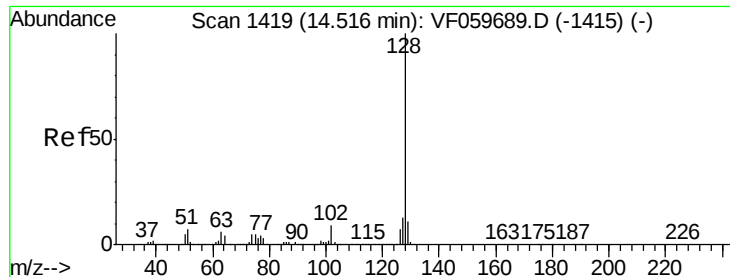
#94
 Hexachlorobutadiene
 Concen: 21.528 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. 0.00 min
 Lab File: VF059819.D
 Acq: 2 Aug 2018 23:48

Tgt Ion:225 Resp: 60641
 Ion Ratio Lower Upper
 225 100
 223 65.5 31.4 94.2
 227 67.3 31.5 94.5



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

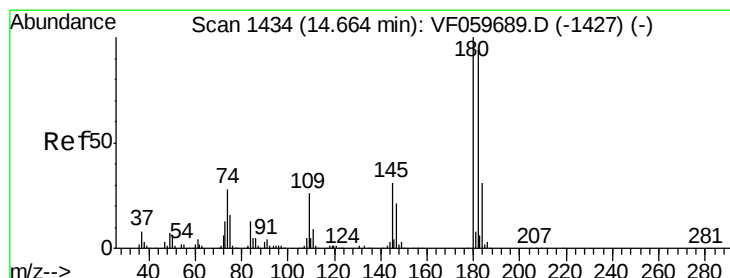
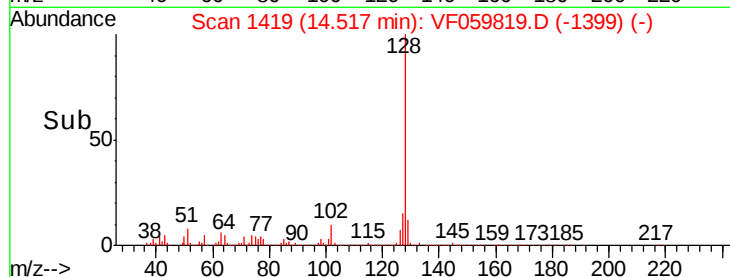
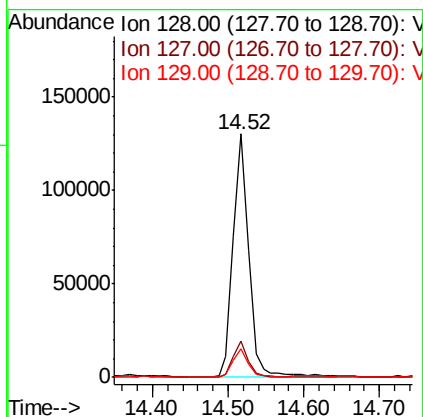
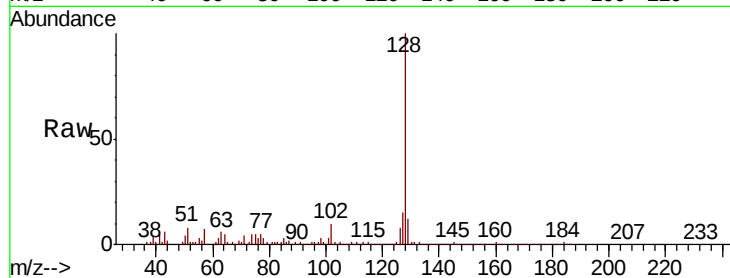




#95
Naphthalene
Concen: 25.070 ug/l
RT: 14.52 min Scan# 1419
Delta R.T. 0.00 min
Lab File: VF059819.D
Acq: 2 Aug 2018 23:48

Instrument :
MSVOA_F
ClientSampleId :
VF0802SBSD01

Tot Ion:128 Resp: 185624
Ion Ratio Lower Upper
128 100
127 14.7 10.0 15.0
129 11.9 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 22.076 ug/l
RT: 14.66 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VF059819.D
Acq: 2 Aug 2018 23:48

Tgt Ion:180 Resp: 90350
Ion Ratio Lower Upper
180 100
182 100.7 47.2 141.6
145 29.4 15.6 46.7

