

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080318\
 Data File : VF059846.D
 Acq On : 3 Aug 2018 18:40
 Operator : VA/AP
 Sample : J4278-03
 Misc : 6.67g/5mL/MSVOA F/SOIL
 ALS Vial : 90 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EO-03-080118-BRE

Quant Time: Aug 04 03:16:41 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	101852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	148507	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	121617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	52648	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	62054	33.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	67.80%	
35) Dibromofluoromethane	4.29	113	54557	35.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.74%	
50) Toluene-d8	7.71	98	115476	32.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	64.20%	
62) 4-Bromofluorobenzene	11.51	95	47431	23.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	47.64%	

Target Compounds			Qvalue				
2) Dichlorodifluoromethane	0.97	85	217	Below Cal	#	44	
3) Chloromethane	1.09	50	675	Below Cal	#	38	
4) Vinyl Chloride	1.15	62	102	Below Cal	#	47	
5) Bromomethane	1.36	94	408	Below Cal	#	55	
6) Chloroethane	1.42	64	348	Below Cal		99	
10) Methyl Iodide	2.01	142	66	Below Cal	#	20	
11) Tert butyl alcohol	2.67	59	254	1.99	ug/l	#	1
13) Acrolein	2.04	56	341	24.32	ug/l		98
15) Acrylonitrile	3.06	53	404	3.48	ug/l	#	36
16) Acetone	2.33	43	7177	21.80	ug/l	#	86
17) Carbon Disulfide	1.86	76	64	Below Cal	#	71	
18) Methyl Acetate	2.46	43	1270	Below Cal	#	83	
20) Methylene Chloride	2.27	84	2362	Below Cal	#	78	
21) trans-1,2-Dichloroethene	2.39	96	482	Below Cal	#	1	
25) 2-Butanone	4.50	43	794	2.16	ug/l	#	74
28) Bromochloromethane	3.89	49	90	Below Cal	#	15	
29) Tetrahydrofuran	4.26	42	189	1.34	ug/l	#	39
31) Cyclohexane	3.91	56	116	Below Cal	#	11	
36) 1,1-Dichloropropene	4.44	75	144	Below Cal	#	58	
37) Ethyl Acetate	4.29	43	587	Below Cal	#	19	
39) Methylcyclohexane	5.67	83	97	Below Cal	#	13	
41) Methacrylonitrile	4.92	41	96	Below Cal	#	48	
49) 1,4-Dioxane	7.13	88	63	Below Cal	#	29	
52) Toluene	7.77	92	91	Below Cal	#	40	
64) Tetrachloroethene	8.42	164	73	Below Cal	#	1	
68) m/p-Xylenes	10.25	106	348	Below Cal	#	1	
78) n-propylbenzene	11.69	91	2848	Below Cal		87	
79) 2-Chlorotoluene	11.89	91	531	Below Cal		79	
80) 1,3,5-Trimethylbenzene	11.91	105	3319	Below Cal		66	
82) 4-Chlorotoluene	11.89	91	531	Below Cal		78	
84) 1,2,4-Trimethylbenzene	12.28	105	4588	Below Cal		89	
85) sec-Butylbenzene	12.38	105	4624	Below Cal		87	
86) p-Isopropyltoluene	12.51	119	8978	Below Cal		94	
87) 1,3-Dichlorobenzene	12.56	146	122	Below Cal	#	38	

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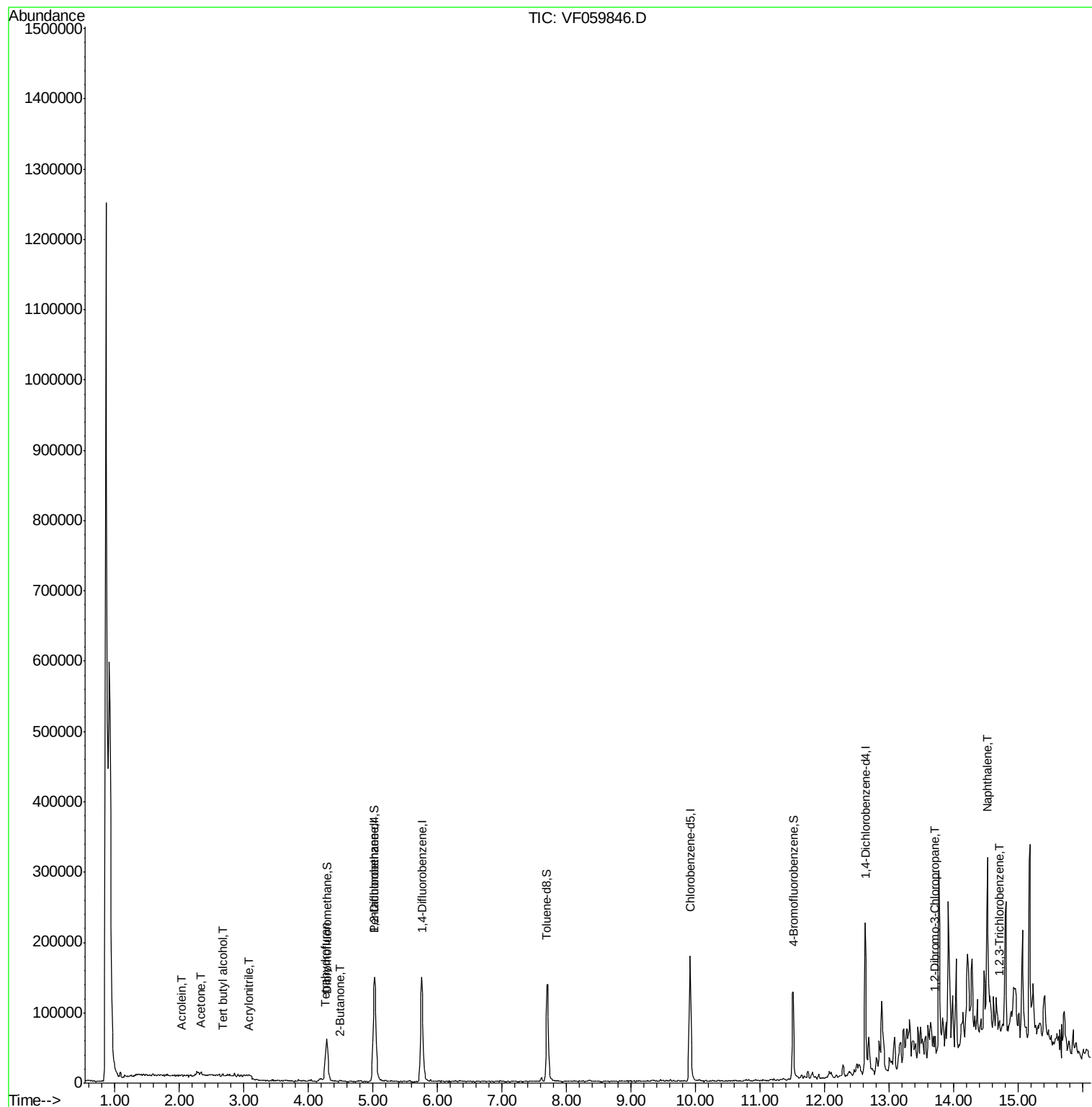
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
88) 1,4-Dichlorobenzene	12.64	146	453	Below Cal	#	1
89) n-Butylbenzene	12.91	91	13582	Below Cal		87
91) 1,2-Dichlorobenzene	13.01	146	91	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropropan	13.71	75	344	2.16	ug/l	71
93) 1,2,4-Trichlorobenzene	14.26	180	399	Below Cal	#	1
95) Naphthalene	14.53	128	8984	3.96	ug/l	# 1
96) 1,2,3-Trichlorobenzene	14.69	180	1884	1.50	ug/l	# 1

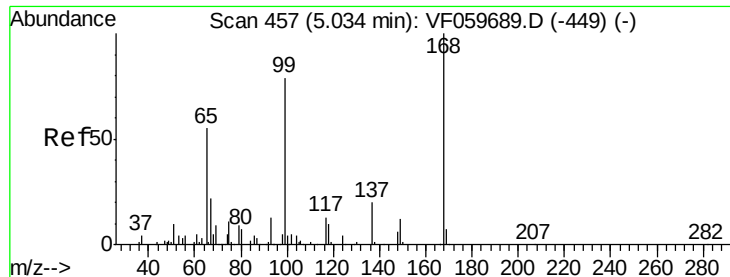
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059846.D

Acq: 3 Aug 2018 18:40

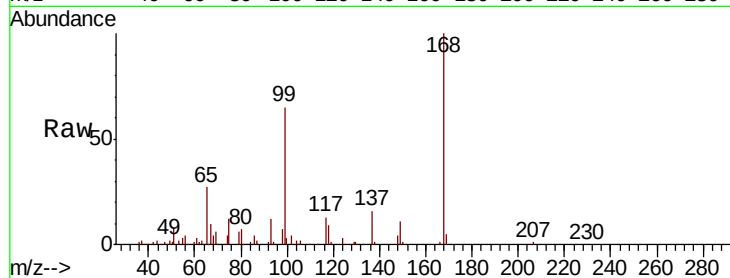
Instrument :
MSVOA_F
ClientSampleId :
EO-03-080118-BRE

Tot Ion:168 Resp: 101852

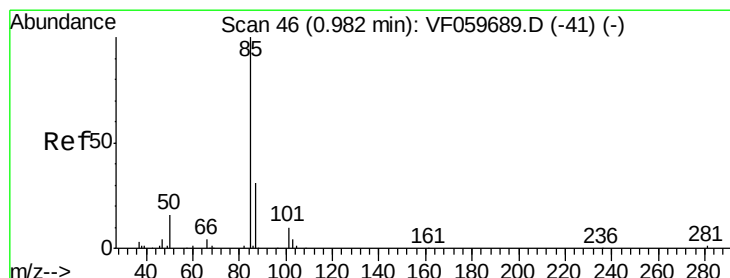
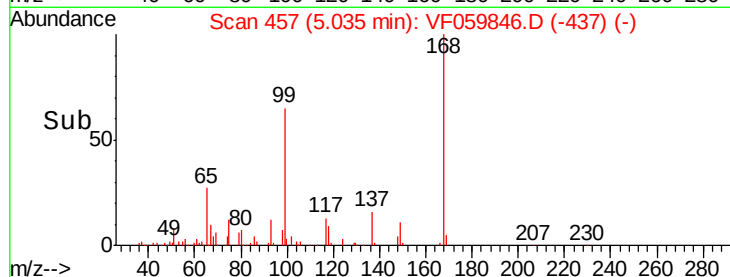
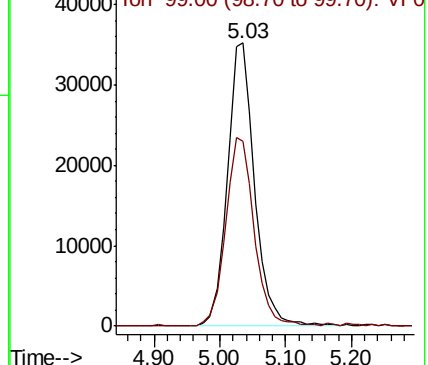
Ion Ratio Lower Upper

168 100

99 65.2 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.97 min Scan# 45

Delta R.T. -0.01 min

Lab File: VF059846.D

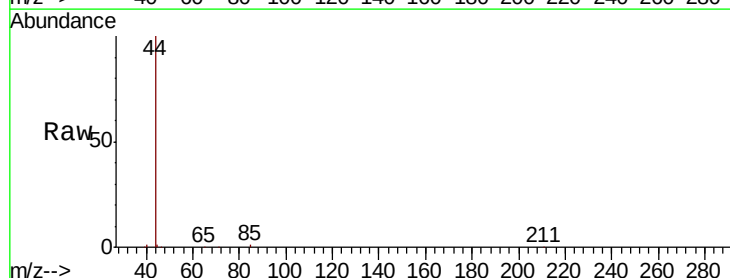
Acq: 3 Aug 2018 18:40

Tgt Ion: 85 Resp: 217

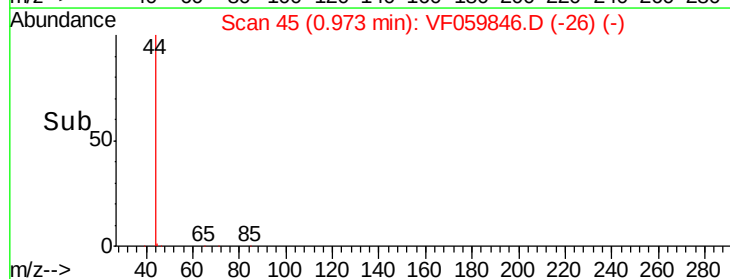
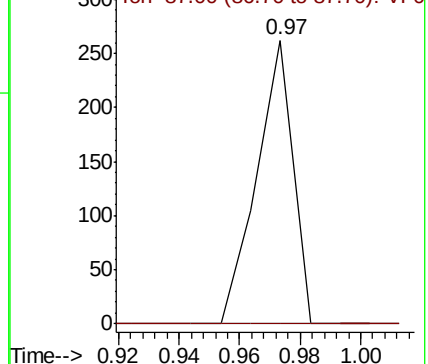
Ion Ratio Lower Upper

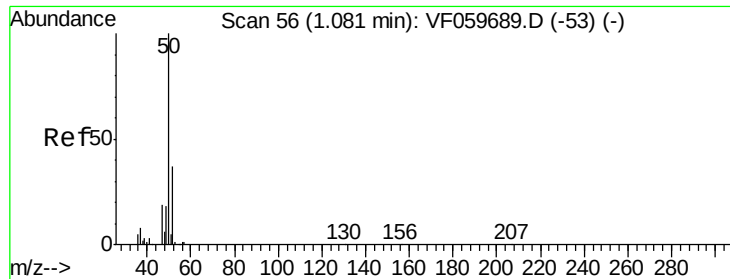
85 100

87 0.0 15.3 45.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0





#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059846.D

Acq: 3 Aug 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

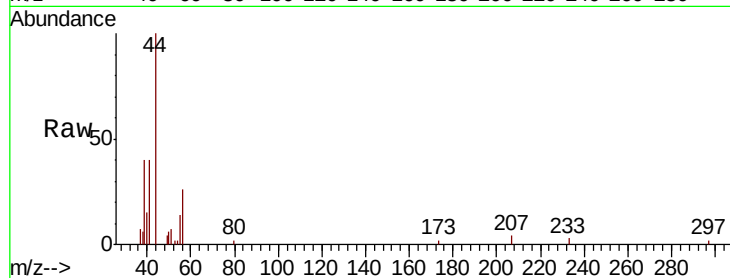
EO-03-080118-BRE

Tot Ion: 50 Resp: 675

Ion Ratio Lower Upper

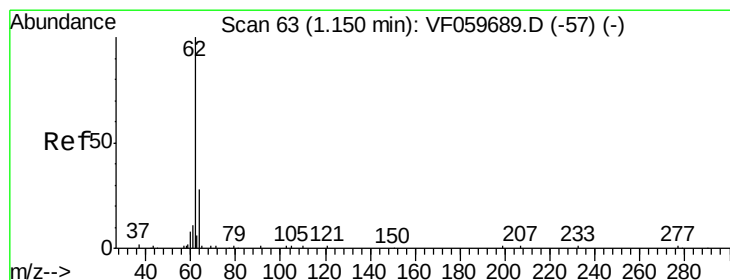
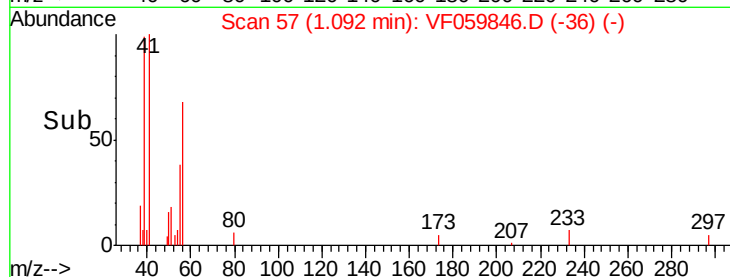
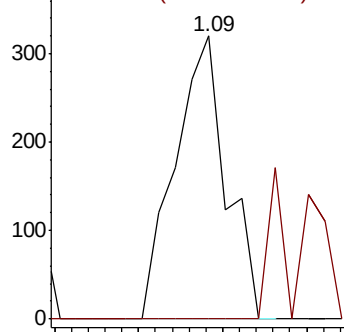
50 100

52 0.0 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: Below Cal

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059846.D

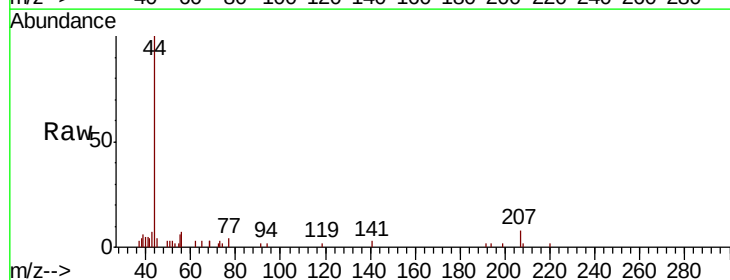
Acq: 3 Aug 2018 18:40

Tgt Ion: 62 Resp: 102

Ion Ratio Lower Upper

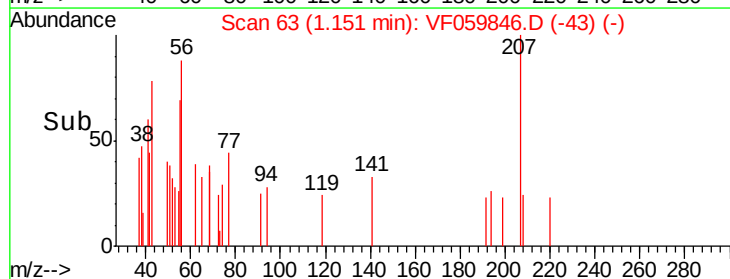
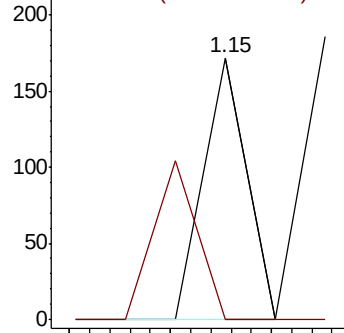
62 100

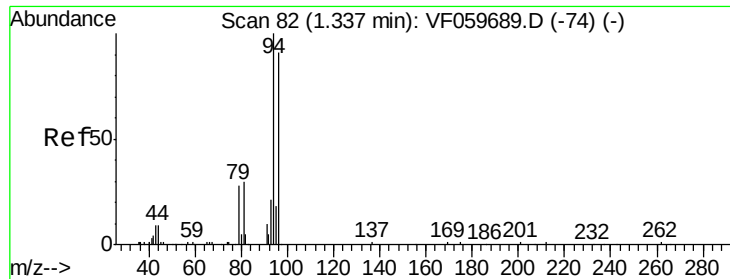
64 0.0 22.6 33.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: Below Cal

RT: 1.36 min Scan# 84

Delta R.T. 0.02 min

Lab File: VF059846.D

Acq: 3 Aug 2018 18:40

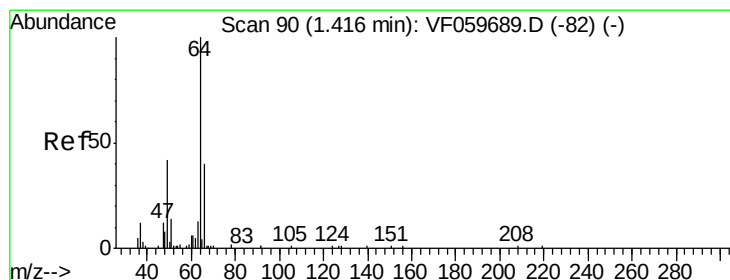
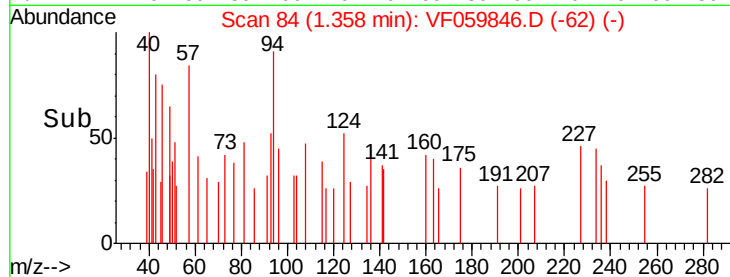
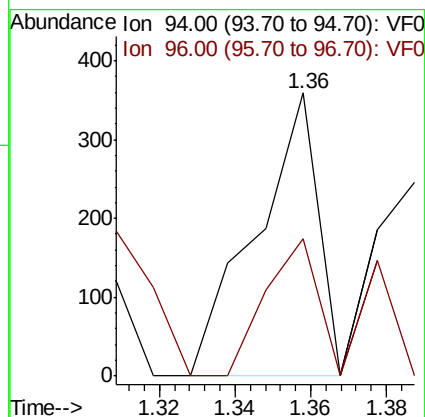
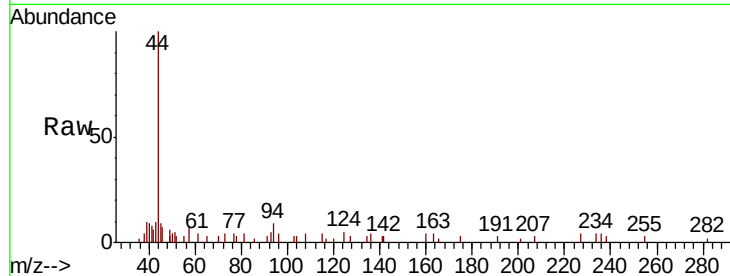
Instrument :
MSVOA_F
ClientSampleId :
EO-03-080118-BRE

Tot Ion: 94 Resp: 408

Ion Ratio Lower Upper

94 100

96 48.7 73.6 110.4#



#6

Chloroethane

Concen: Below Cal

RT: 1.42 min Scan# 90

Delta R.T. 0.00 min

Lab File: VF059846.D

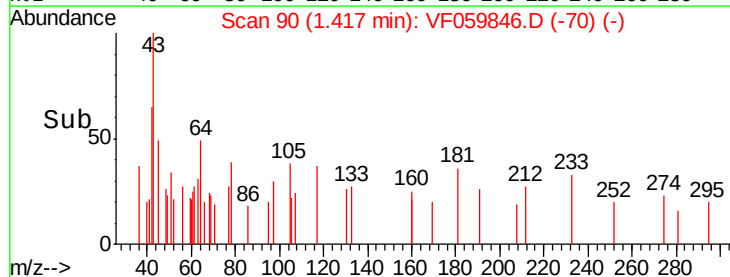
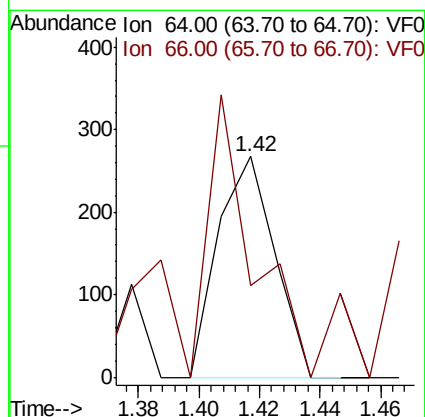
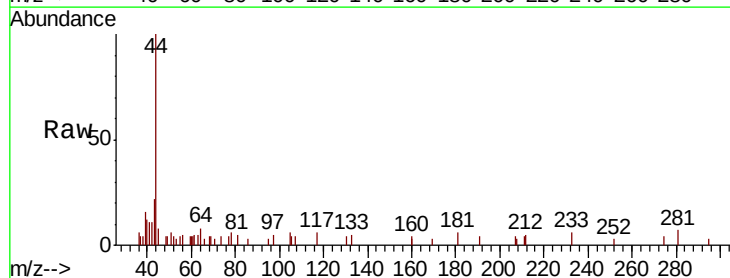
Acq: 3 Aug 2018 18:40

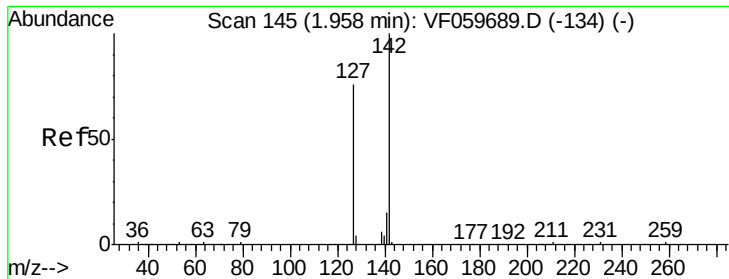
Tgt Ion: 64 Resp: 348

Ion Ratio Lower Upper

64 100

66 41.6 32.6 49.0

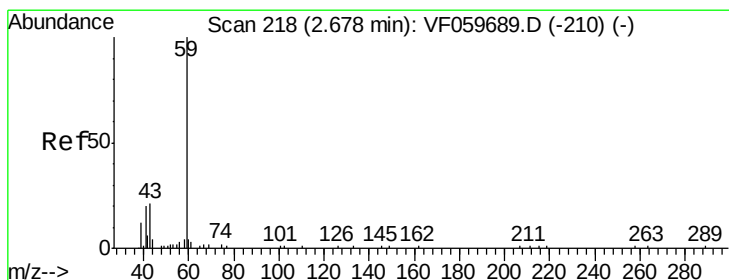
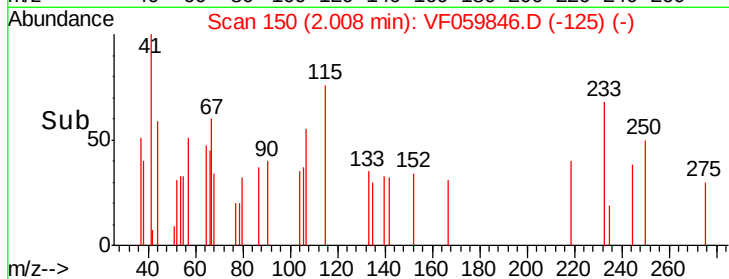
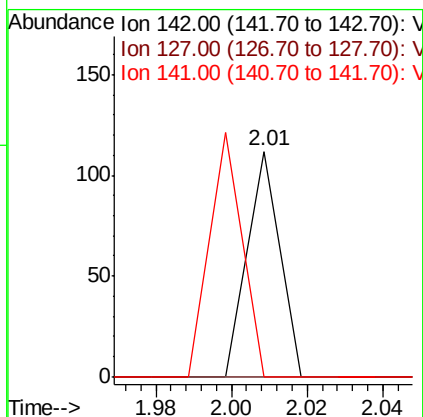
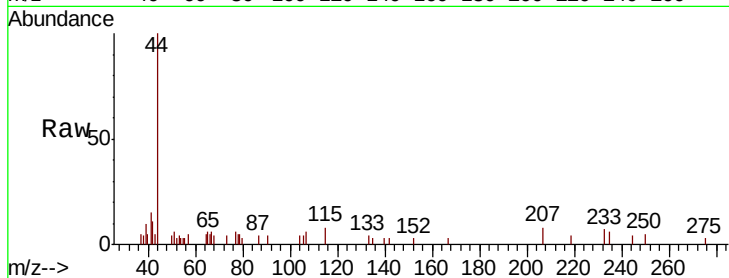




#10
Methyl Iodide
Concen: Below Cal
RT: 2.01 min Scan# 150
Delta R.T. 0.05 min
Lab File: VF059846.D
Acq: 3 Aug 2018 18:40

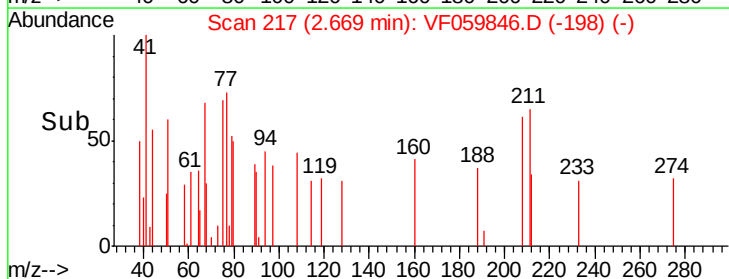
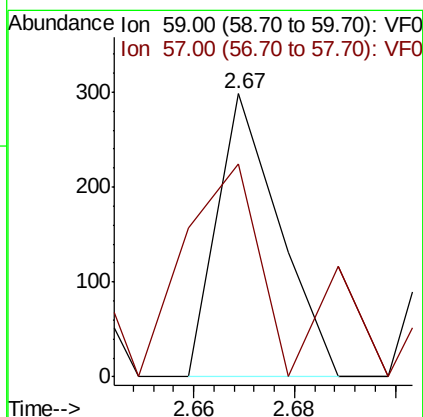
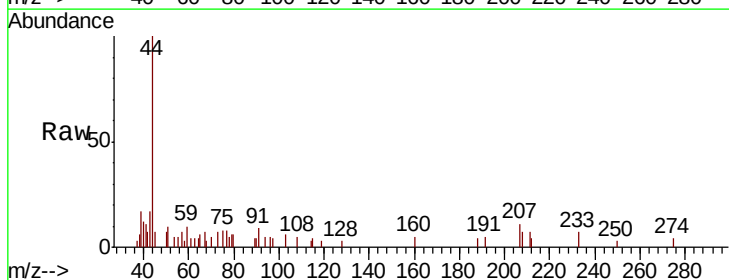
Instrument :
MSVOA_F
ClientSampleId :
EO-03-080118-BRE

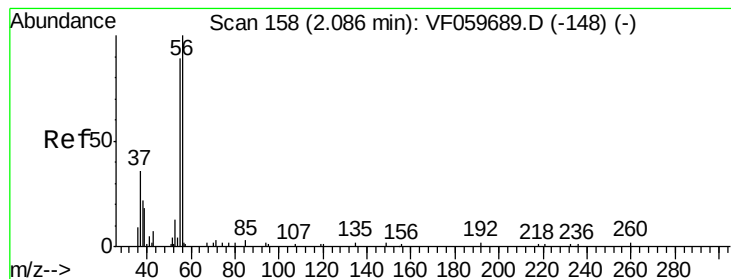
Tot Ion:142 Resp: 66
Ion Ratio Lower Upper
142 100
127 0.0 60.6 91.0#
141 0.0 12.0 18.0#



#11
Tert butyl alcohol
Concen: 1.99 ug/l
RT: 2.67 min Scan# 217
Delta R.T. -0.01 min
Lab File: VF059846.D
Acq: 3 Aug 2018 18:40

Tgt Ion: 59 Resp: 254
Ion Ratio Lower Upper
59 100
57 75.2 7.6 11.4#





#13

Acrolein

Concen: 24.32 ug/l

RT: 2.04 min Scan# 153

Delta R.T. -0.05 min

Lab File: VF059846.D

Acq: 3 Aug 2018 18:40

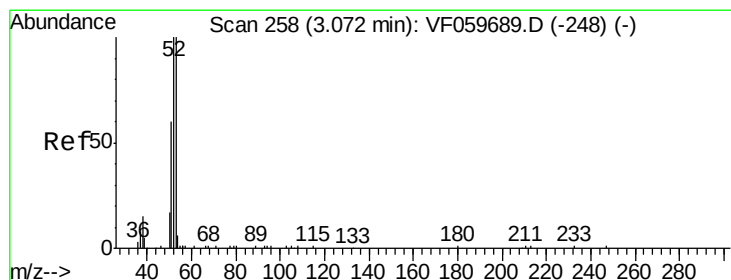
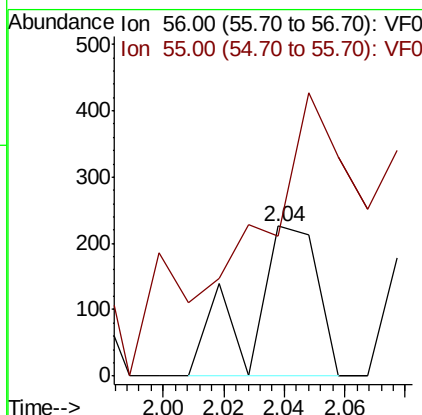
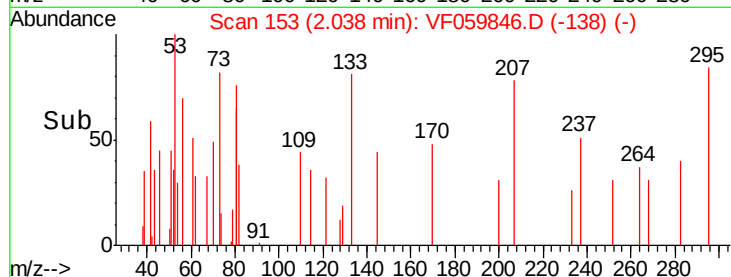
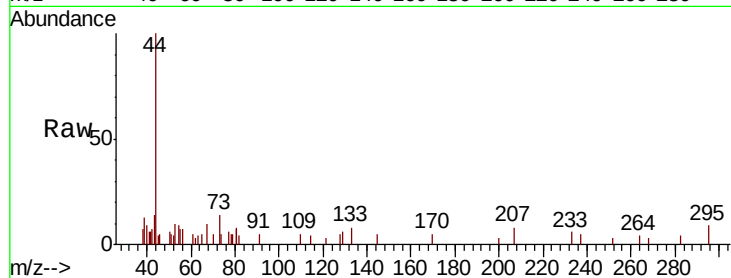
Instrument :
MSVOA_F
ClientSampleId :
EO-03-080118-BRE

Tot Ion: 56 Resp: 341

Ion Ratio Lower Upper

56 100

55 93.4 73.2 109.8



#15

Acrylonitrile

Concen: 3.48 ug/l

RT: 3.06 min Scan# 257

Delta R.T. -0.01 min

Lab File: VF059846.D

Acq: 3 Aug 2018 18:40

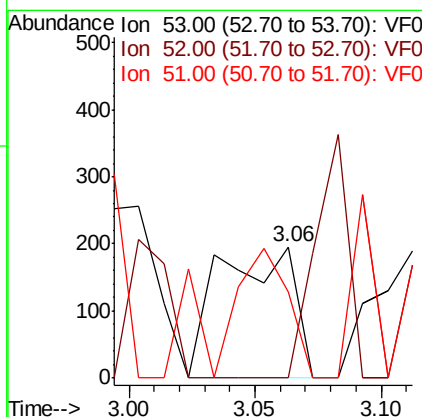
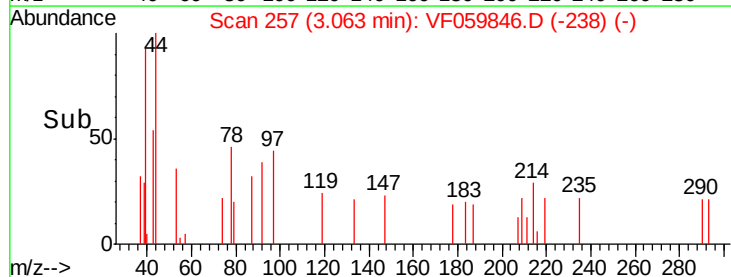
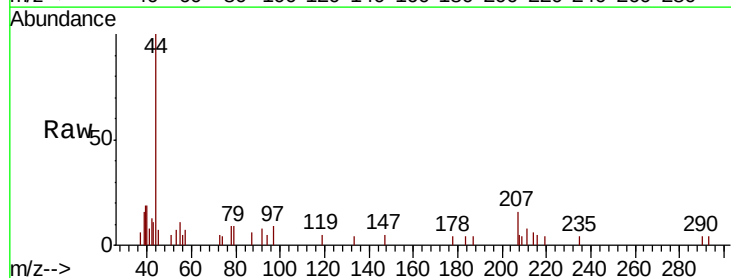
Tgt Ion: 53 Resp: 404

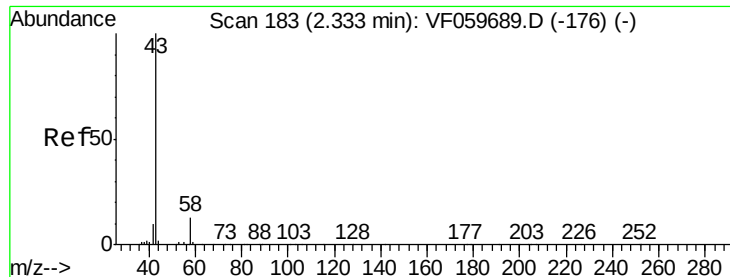
Ion Ratio Lower Upper

53 100

52 0.0 80.3 120.5#

51 65.8 49.4 74.0





#16

Acetone

Concen: 21.80 ug/l

RT: 2.33 min Scan# 183

Delta R.T. 0.00 min

Lab File: VF059846.D

Acq: 3 Aug 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

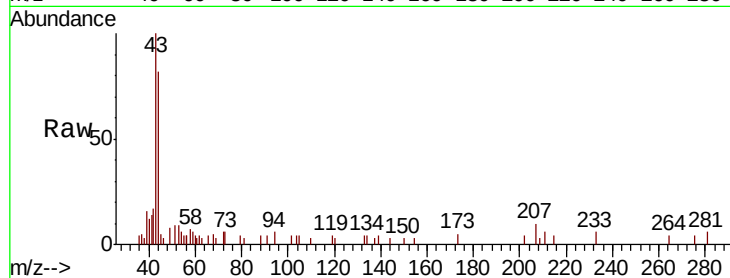
EO-03-080118-BRE

Tot Ion: 43 Resp: 7177

Ion Ratio Lower Upper

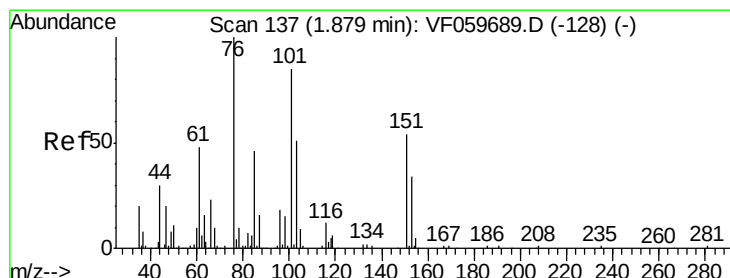
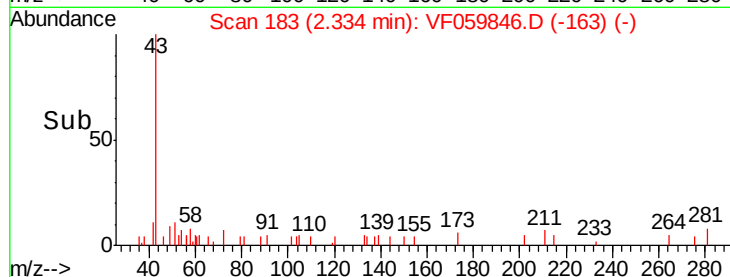
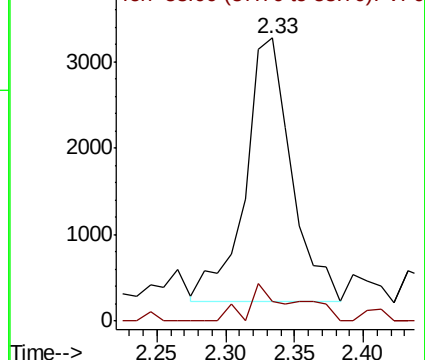
43 100

58 7.0 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: Below Cal

RT: 1.86 min Scan# 135

Delta R.T. -0.02 min

Lab File: VF059846.D

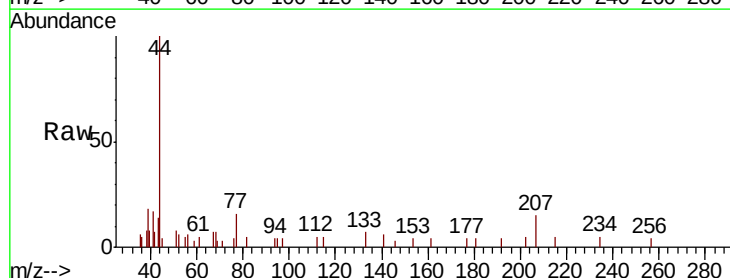
Acq: 3 Aug 2018 18:40

Tgt Ion: 76 Resp: 64

Ion Ratio Lower Upper

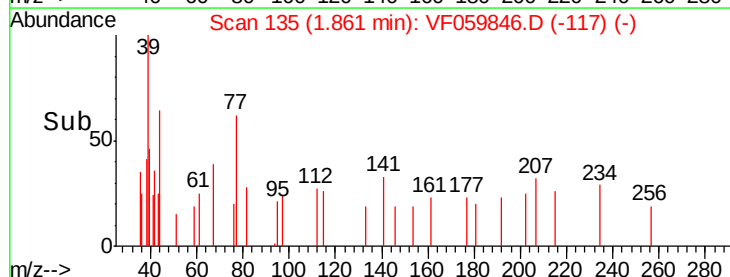
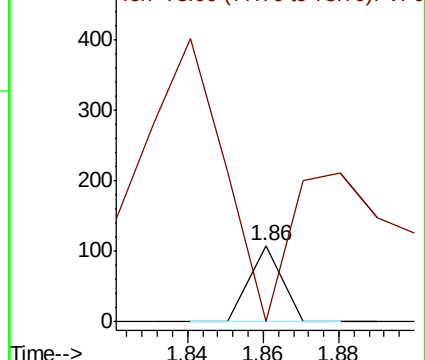
76 100

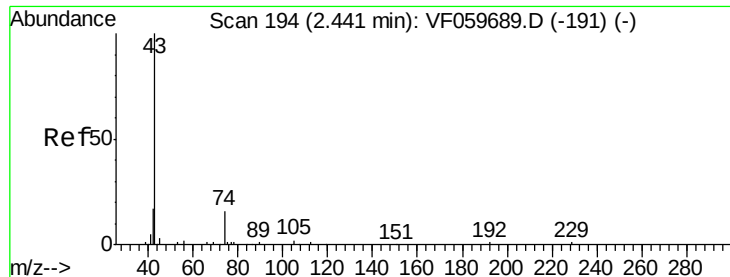
78 0.0 8.9 13.3#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

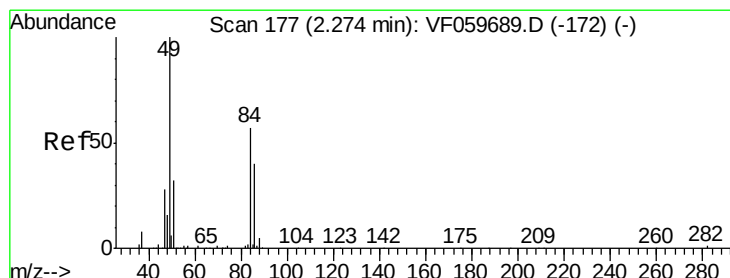
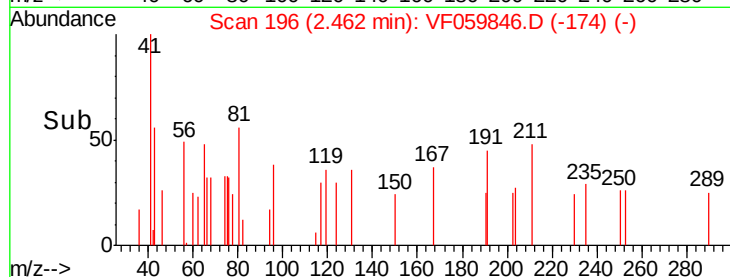
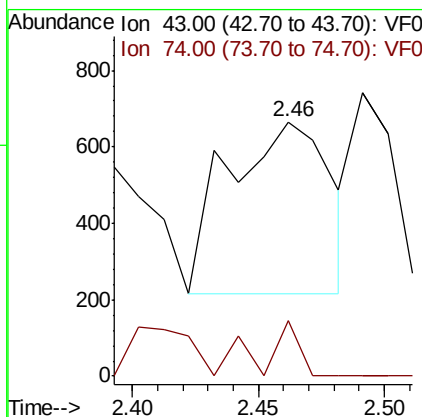
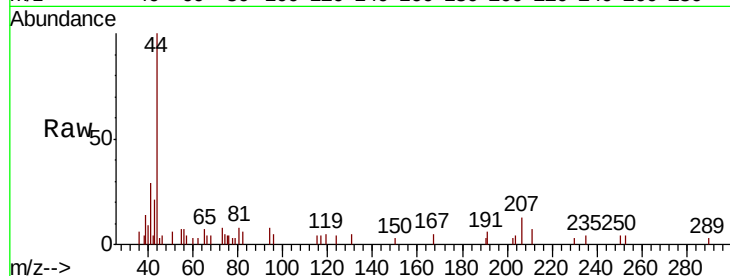




#18
Methyl Acetate
Concen: Below Cal
RT: 2.46 min Scan# 196
Delta R.T. 0.02 min
Lab File: VF059846.D
Acq: 3 Aug 2018 18:40

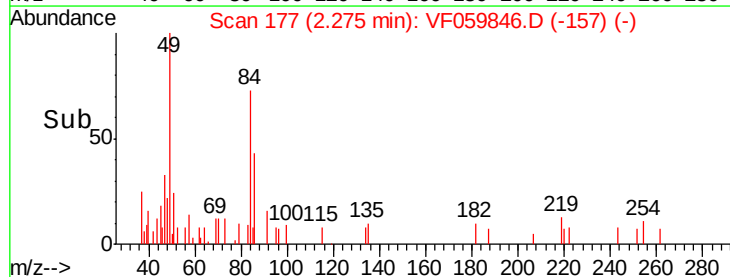
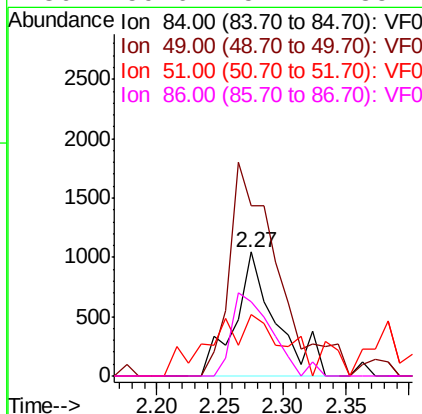
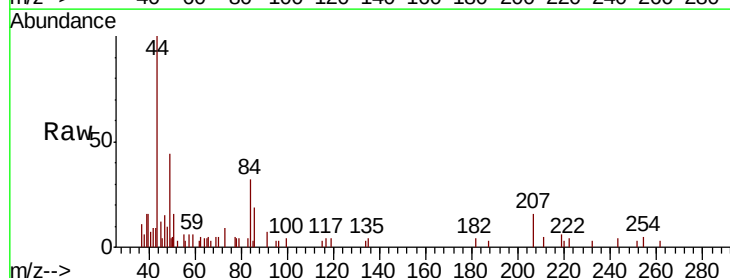
Instrument :
MSVOA_F
ClientSampleId :
EO-03-080118-BRE

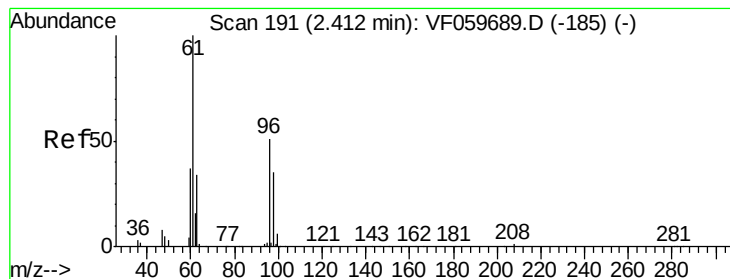
Tot Ion: 43 Resp: 1270
Ion Ratio Lower Upper
43 100
74 21.8 11.8 17.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.27 min Scan# 177
Delta R.T. 0.00 min
Lab File: VF059846.D
Acq: 3 Aug 2018 18:40

Tgt Ion: 84 Resp: 2362
Ion Ratio Lower Upper
84 100
49 137.5 142.2 213.4#
51 49.4 46.2 69.2
86 59.6 57.1 85.7





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 2.39 min Scan# 189

Delta R.T. -0.02 min

Lab File: VF059846.D

Acq: 3 Aug 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

EO-03-080118-BRE

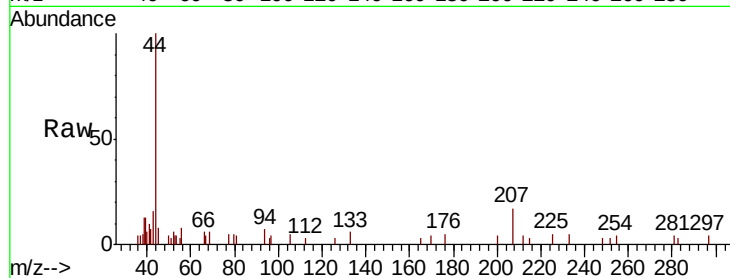
Tot Ion: 96 Resp: 482

Ion Ratio Lower Upper

96 100

61 0.0 157.4 236.0#

98 0.0 55.0 82.4#



Abundance Ion 96.00 (95.70 to 96.70): VF0

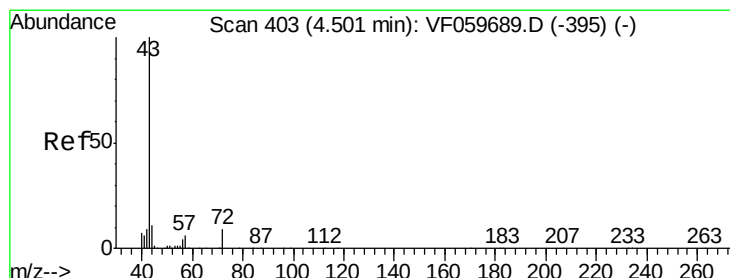
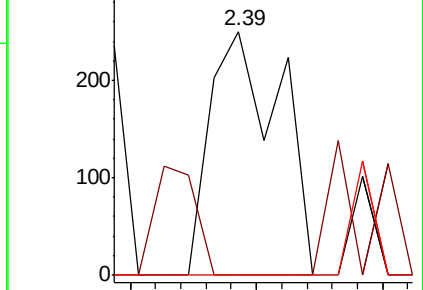
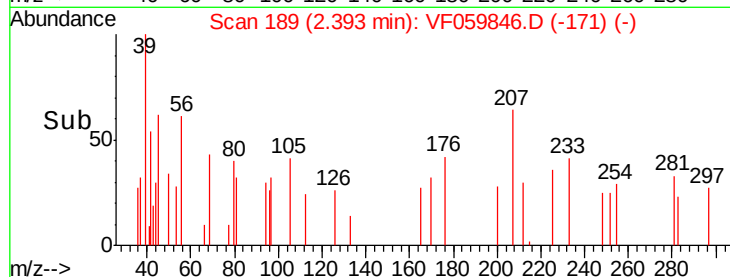
Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

2.39

2.40

2.45



#25

2-Butanone

Concen: 2.16 ug/l

RT: 4.50 min Scan# 403

Delta R.T. 0.00 min

Lab File: VF059846.D

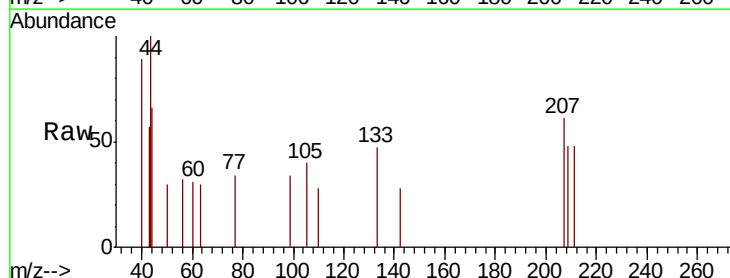
Acq: 3 Aug 2018 18:40

Tgt Ion: 43 Resp: 794

Ion Ratio Lower Upper

43 100

72 0.0 7.7 11.5#

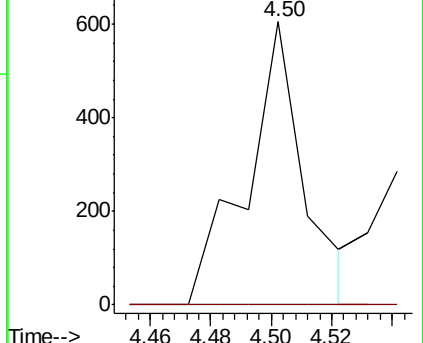
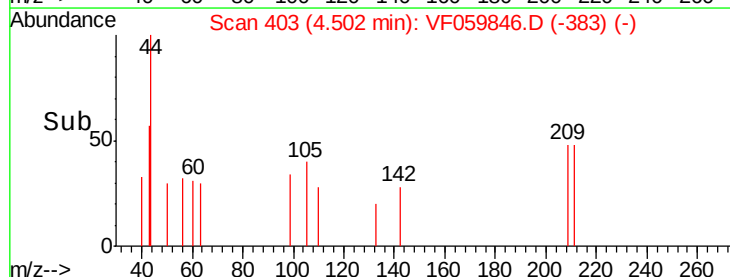


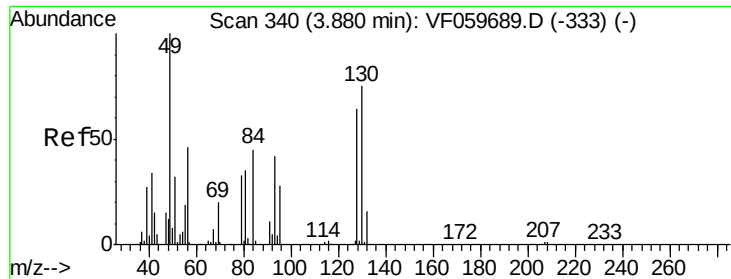
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.50

4.52





#28

Bromochloromethane

Concen: Below Cal

RT: 3.89 min Scan# 341

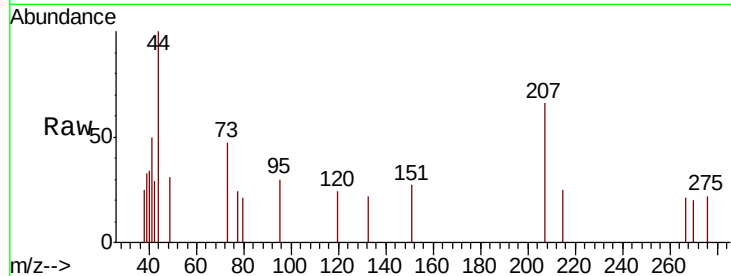
Delta R.T. 0.01 min

Lab File: VF059846.D

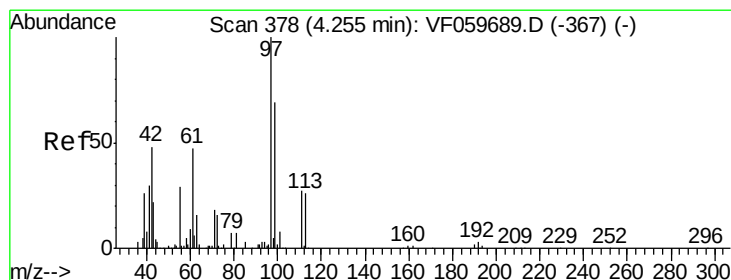
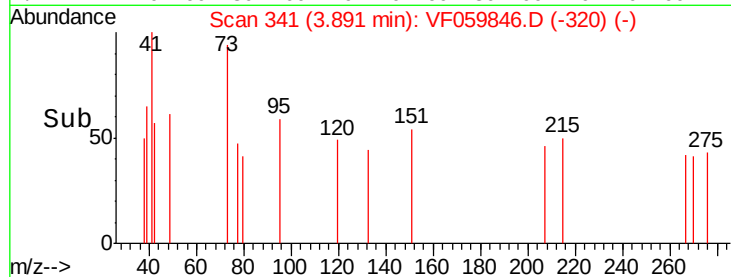
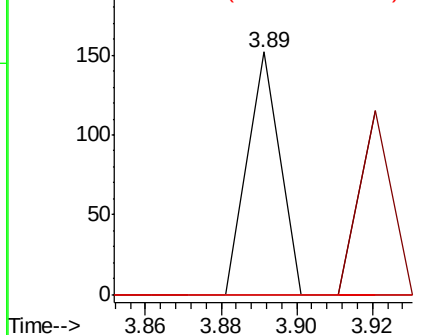
Acq: 3 Aug 2018 18:40

Instrument :
MSVOA_F
ClientSampleId :
EO-03-080118-BRE

Tot Ion:	49	Resp:	90
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	0.0	59.6	89.4#



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



#29

Tetrahydrofuran

Concen: 1.34 ug/l

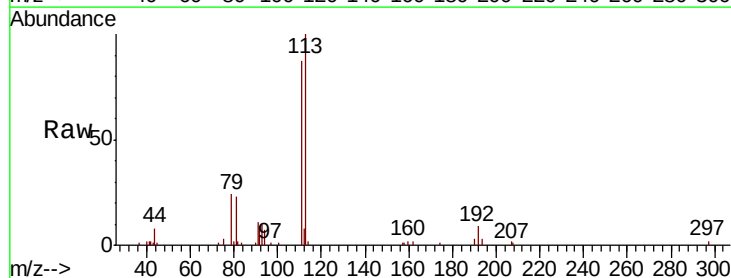
RT: 4.26 min Scan# 378

Delta R.T. 0.00 min

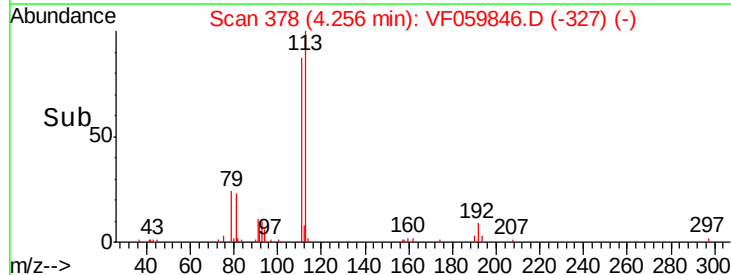
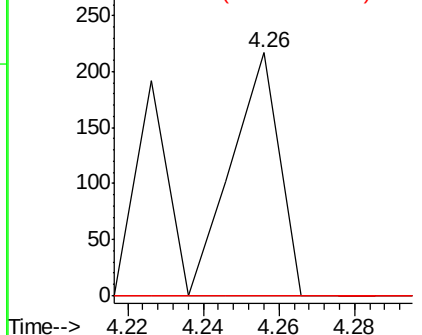
Lab File: VF059846.D

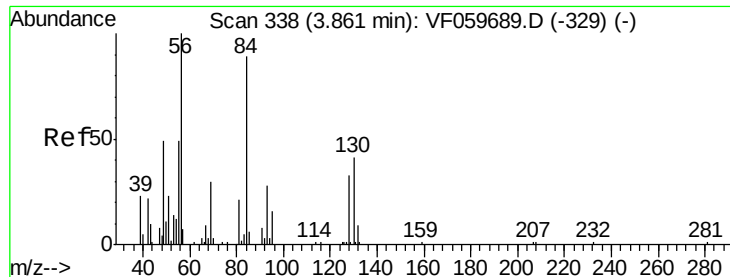
Acq: 3 Aug 2018 18:40

Tgt Ion:	42	Resp:	189
Ion	Ratio	Lower	Upper
42	100		
72	0.0	27.0	40.6#
71	0.0	29.7	44.5#



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

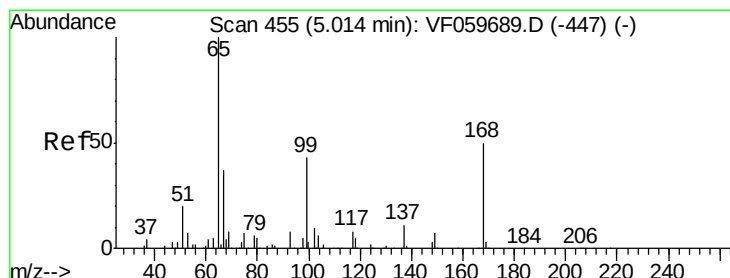
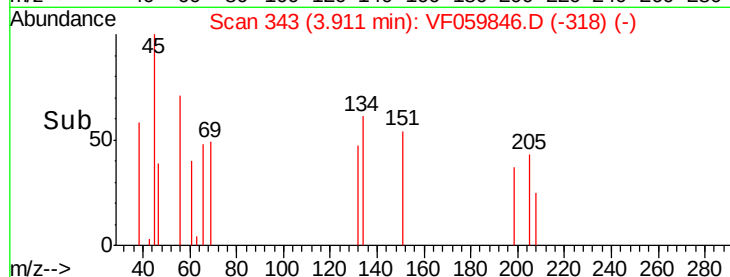
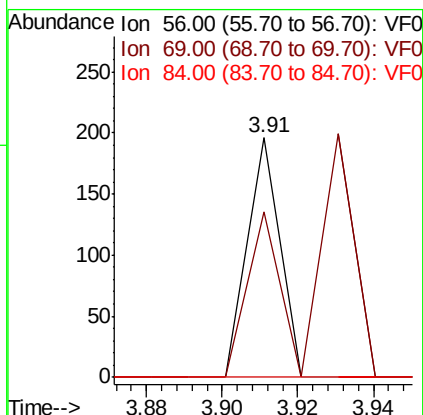
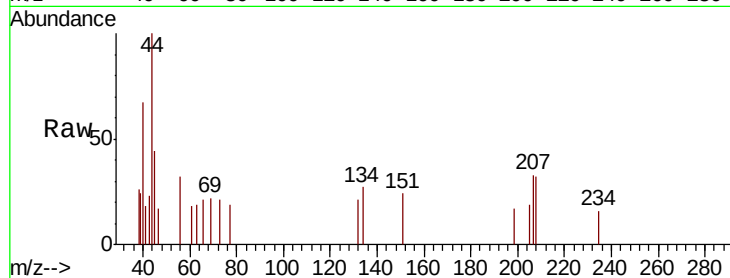




#31
Cyclohexane
Concen: Below Cal
RT: 3.91 min Scan# 343
Delta R.T. 0.05 min
Lab File: VF059846.D
Acq: 3 Aug 2018 18:40

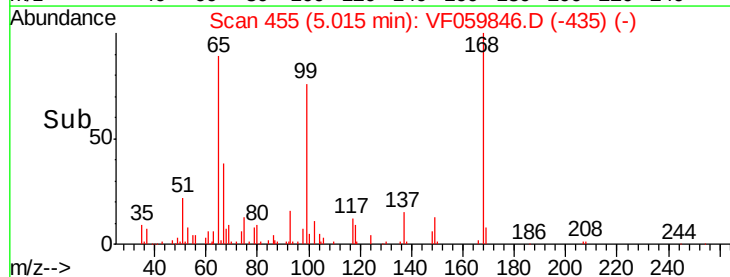
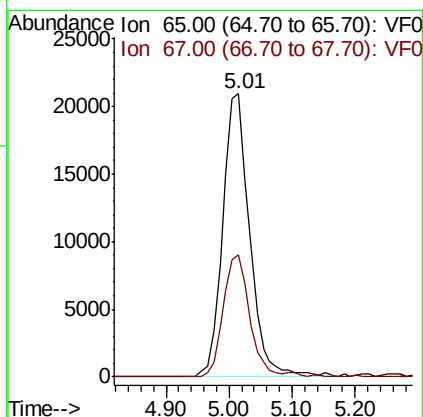
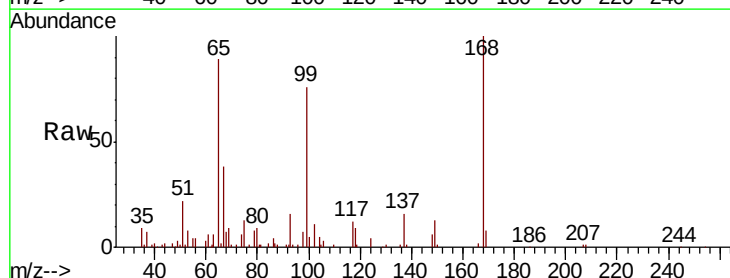
Instrument :
MSVOA_F
ClientSampleId :
EO-03-080118-BRE

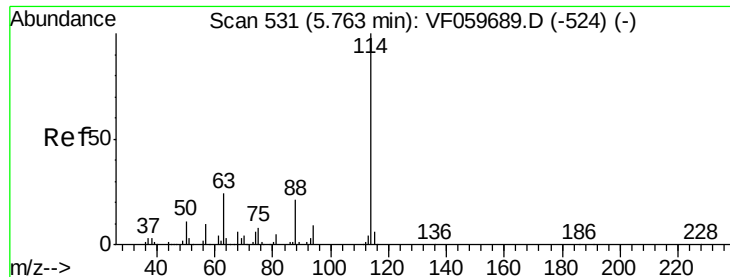
Tot Ion: 56 Resp: 116
Ion Ratio Lower Upper
56 100
69 68.9 23.7 35.5#
84 0.0 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 33.90 ug/l
RT: 5.01 min Scan# 455
Delta R.T. 0.00 min
Lab File: VF059846.D
Acq: 3 Aug 2018 18:40

Tgt Ion: 65 Resp: 62054
Ion Ratio Lower Upper
65 100
67 42.9 0.0 84.6

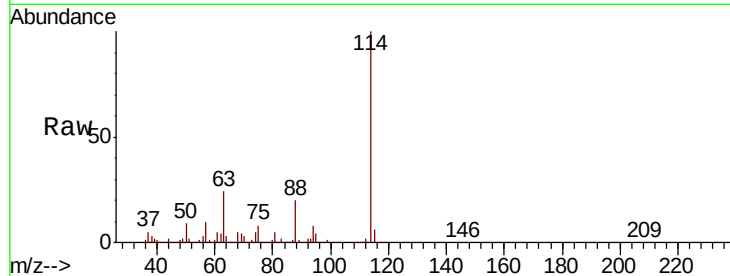




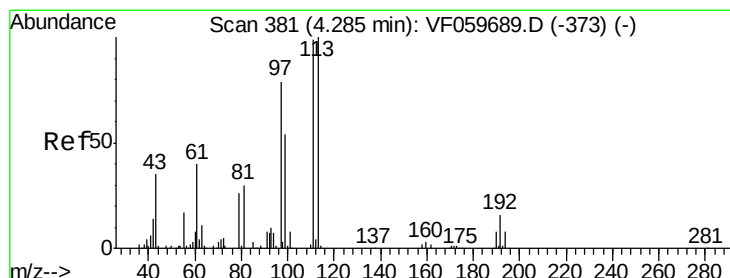
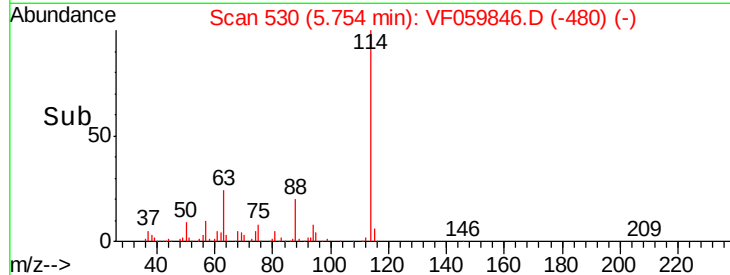
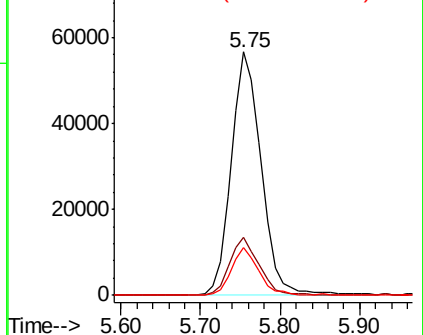
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.75 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VF059846.D
 Acq: 3 Aug 2018 18:40

Instrument :
 MSVOA_F
 ClientSampleId :
 EO-03-080118-BRE

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	47.4
88	19.6	0.0	41.2

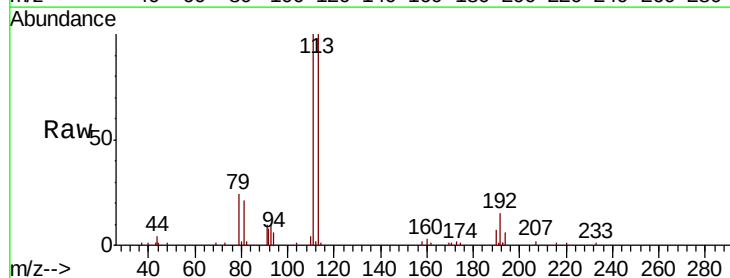


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

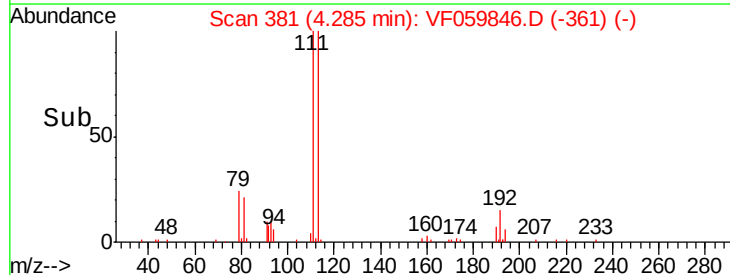
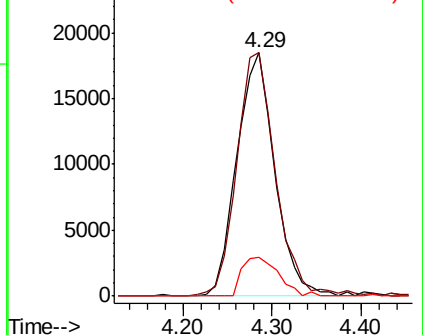


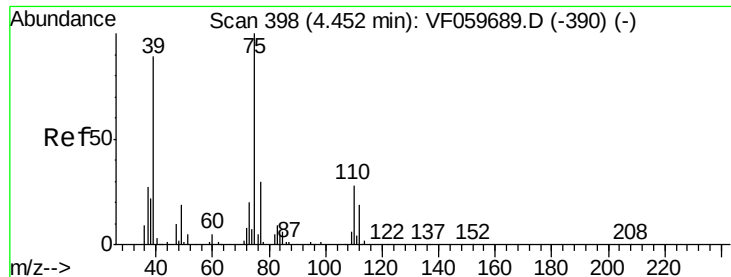
#35
 Dibromofluoromethane
 Concen: 35.37 ug/l
 RT: 4.29 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VF059846.D
 Acq: 3 Aug 2018 18:40

Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.0	79.0	118.4
192	15.9	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

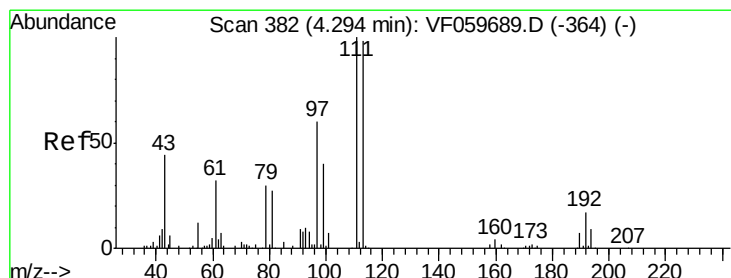
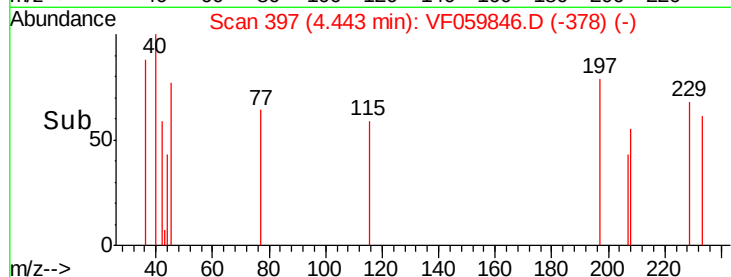
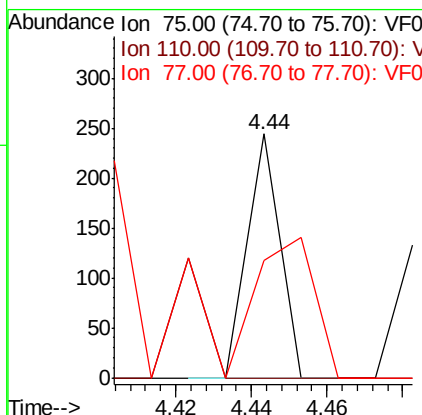
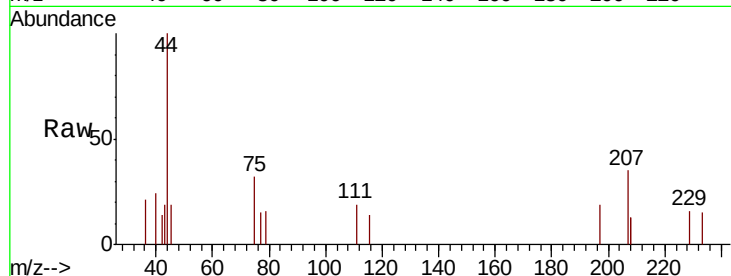




#36
 1,1-Dichloropropene
 Concen: Below Cal
 RT: 4.44 min Scan# 397
 Delta R.T. -0.01 min
 Lab File: VF059846.D
 Acq: 3 Aug 2018 18:40

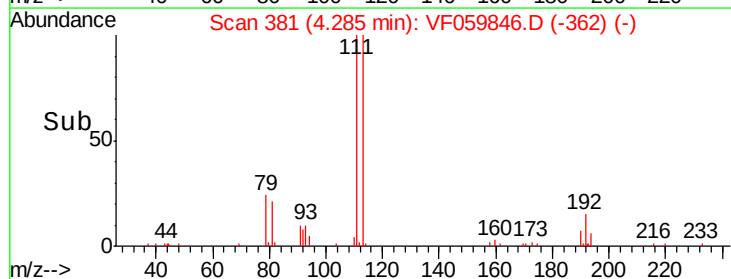
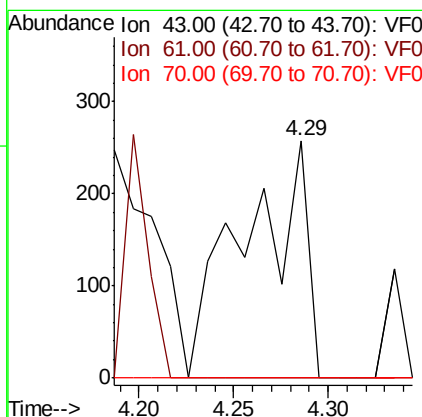
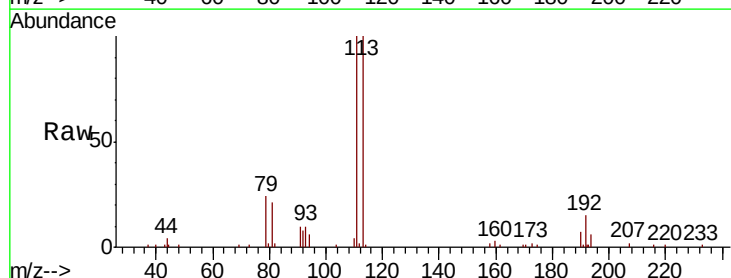
Instrument :
 MSVOA_F
 ClientSampleId :
 EO-03-080118-BRE

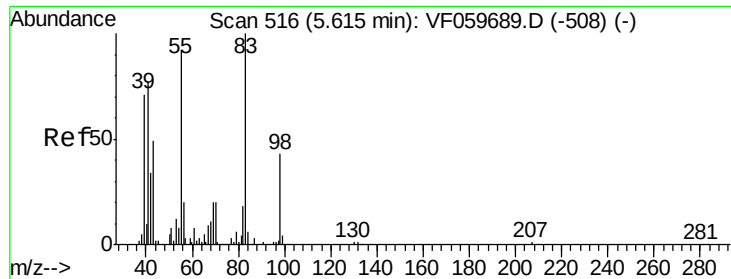
Tot Ion: 75 Resp: 144
 Ion Ratio Lower Upper
 75 100
 110 0.0 14.0 41.9#
 77 48.0 24.2 36.2#



#37
 Ethyl Acetate
 Concen: Below Cal
 RT: 4.29 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VF059846.D
 Acq: 3 Aug 2018 18:40

Tgt Ion: 43 Resp: 587
 Ion Ratio Lower Upper
 43 100
 61 0.0 58.2 87.2#
 70 0.0 6.0 9.0#

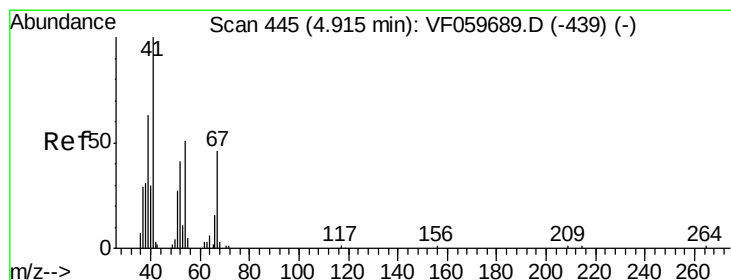
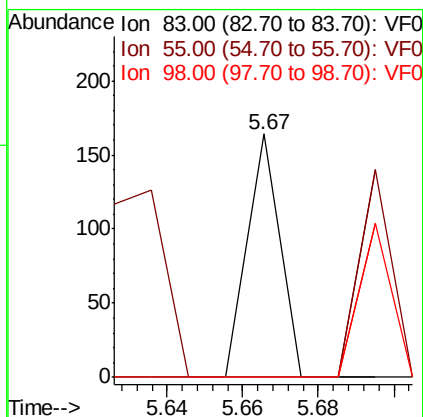
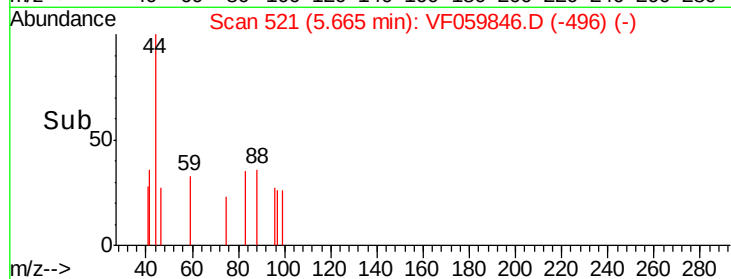
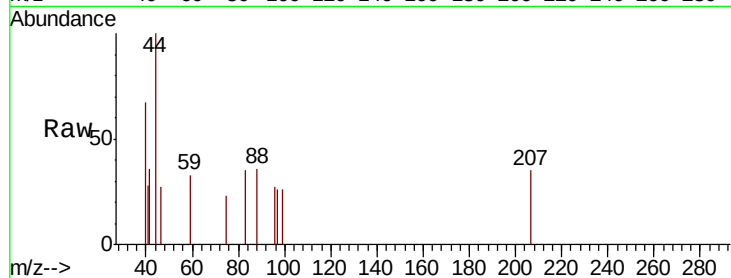




#39
Methylcyclohexane
Concen: Below Cal
RT: 5.67 min Scan# 521
Delta R.T. 0.05 min
Lab File: VF059846.D
Acq: 3 Aug 2018 18:40

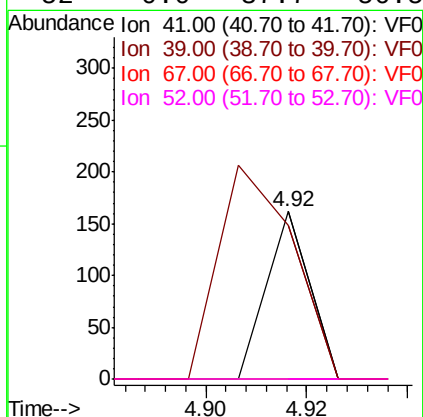
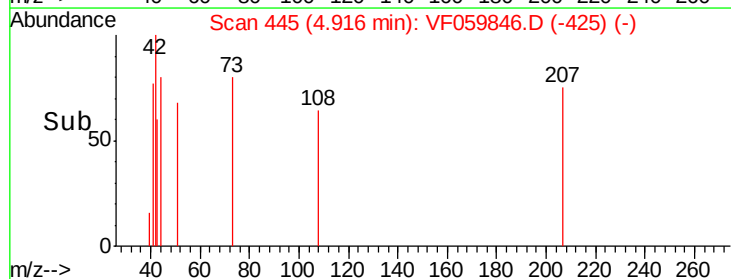
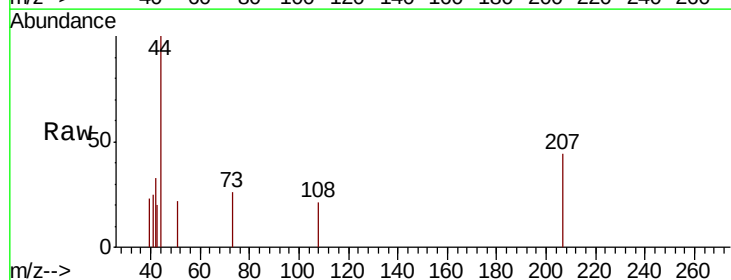
Instrument :
MSVOA_F
ClientSampleId :
EO-03-080118-BRE

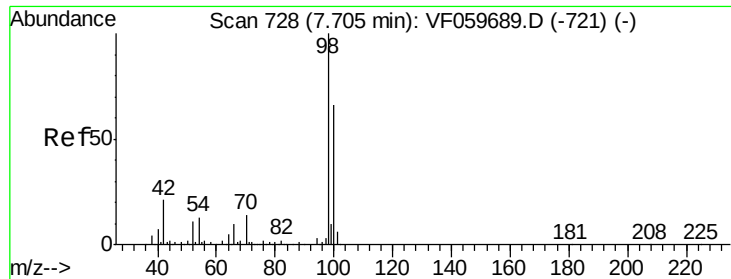
Tot Ion: 83 Resp: 97
Ion Ratio Lower Upper
83 100
55 0.0 73.4 110.2#
98 0.0 34.2 51.4#



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.92 min Scan# 445
Delta R.T. 0.00 min
Lab File: VF059846.D
Acq: 3 Aug 2018 18:40

Tgt Ion: 41 Resp: 96
Ion Ratio Lower Upper
41 100
39 91.4 55.2 82.8#
67 0.0 36.2 54.2#
52 0.0 37.7 56.5#

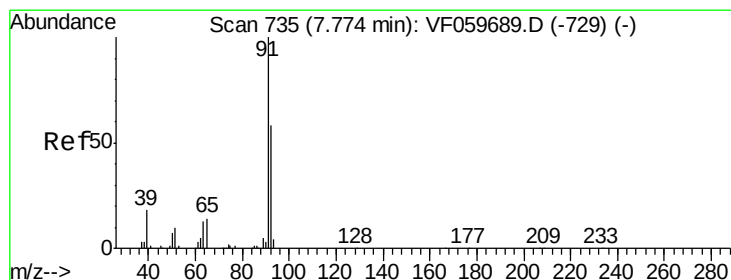
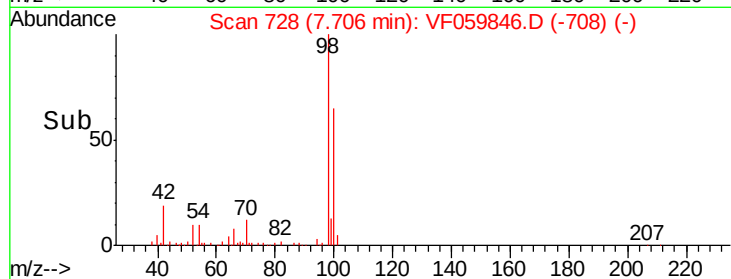
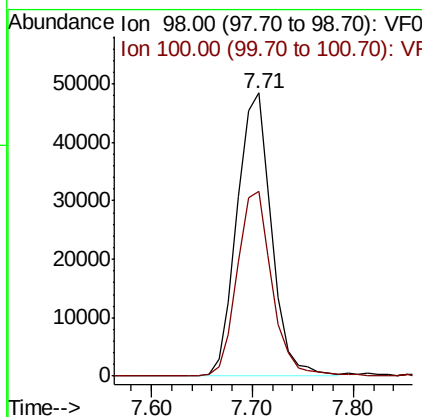
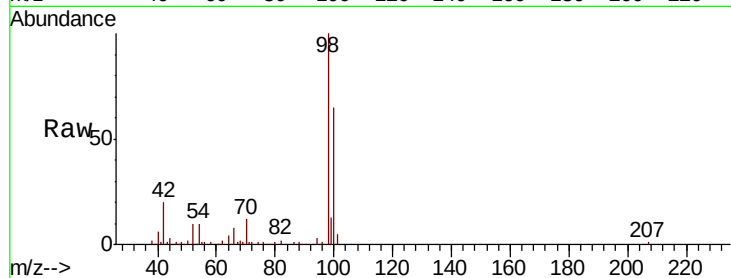




#50
Toluene-d8
Concen: 32.10 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059846.D
Acq: 3 Aug 2018 18:40

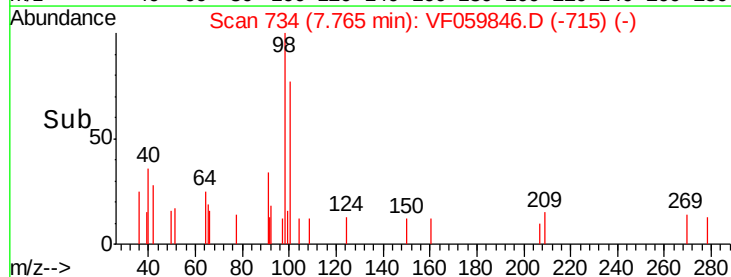
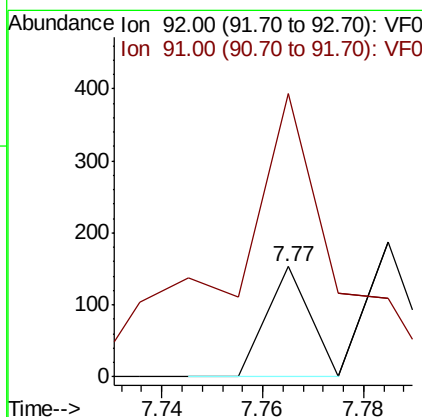
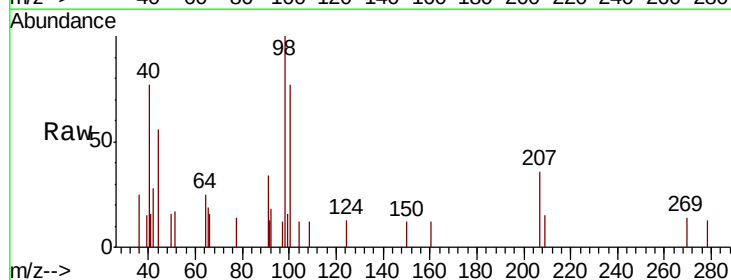
Instrument :
MSVOA_F
ClientSampleId :
EO-03-080118-BRE

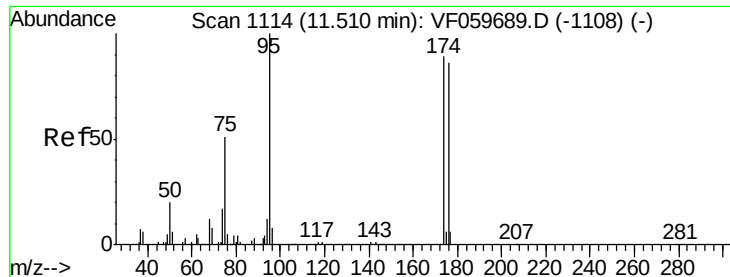
Tot Ion: 98 Resp: 115476
Ion Ratio Lower Upper
98 100
100 65.3 52.8 79.2



#52
Toluene
Concen: Below Cal
RT: 7.77 min Scan# 734
Delta R.T. -0.01 min
Lab File: VF059846.D
Acq: 3 Aug 2018 18:40

Tgt Ion: 92 Resp: 91
Ion Ratio Lower Upper
92 100
91 256.9 139.0 208.4#

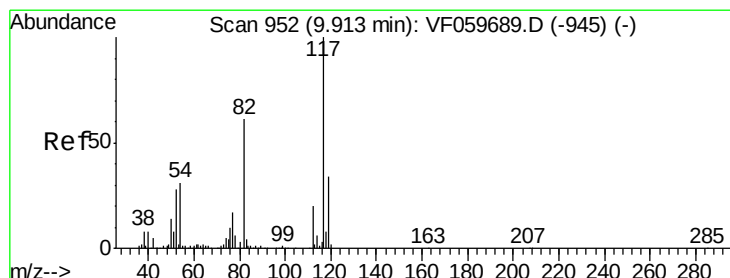
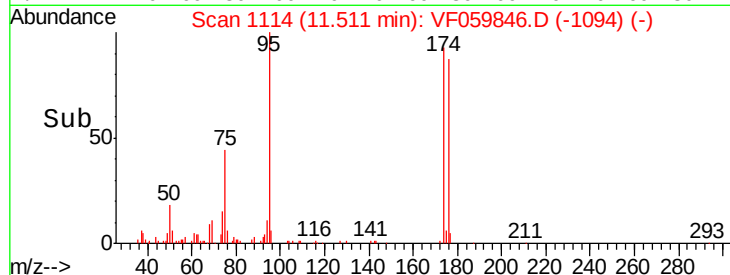
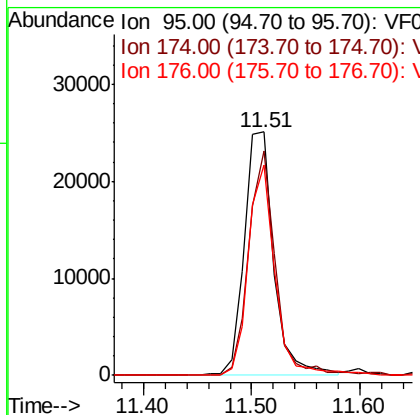
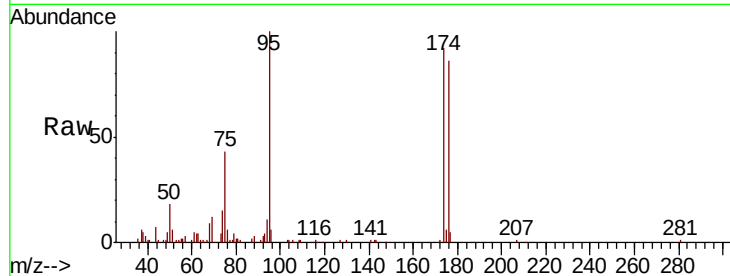




#62
4-Bromofluorobenzene
Concen: 23.82 ug/l
RT: 11.51 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VF059846.D
Acq: 3 Aug 2018 18:40

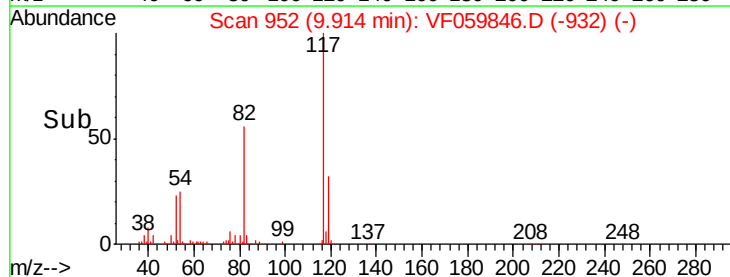
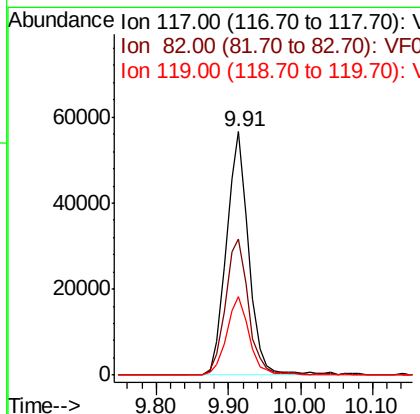
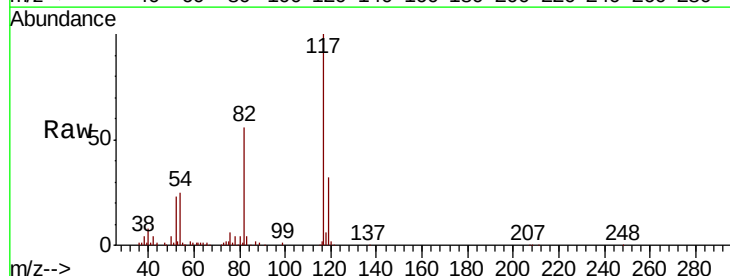
Instrument :
MSVOA_F
ClientSampleId :
EO-03-080118-BRE

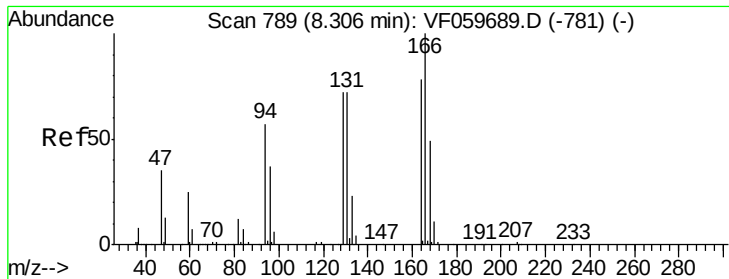
Tot Ion: 95 Resp: 47431
Ion Ratio Lower Upper
95 100
174 92.4 0.0 178.4
176 86.5 0.0 173.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 952
Delta R.T. 0.00 min
Lab File: VF059846.D
Acq: 3 Aug 2018 18:40

Tgt Ion: 117 Resp: 121617
Ion Ratio Lower Upper
117 100
82 56.0 49.0 73.4
119 32.3 27.3 40.9





#64

Tetrachloroethene

Concen: Below Cal

RT: 8.42 min Scan# 800

Delta R.T. 0.11 min

Lab File: VF059846.D

Acq: 3 Aug 2018 18:40

Instrument :
MSVOA_F
ClientSampleId :
EO-03-080118-BRE

Tot Ion:164 Resp: 73

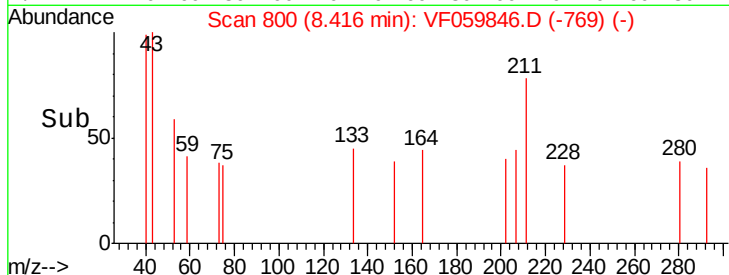
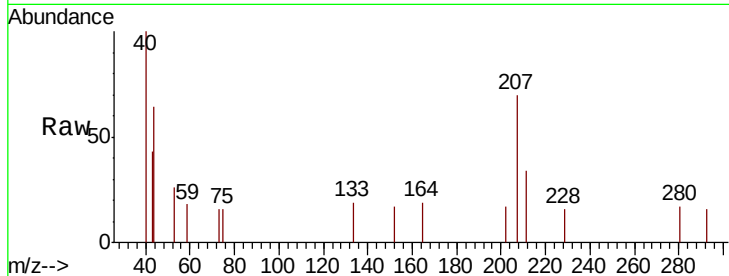
Ion Ratio Lower Upper

164 100

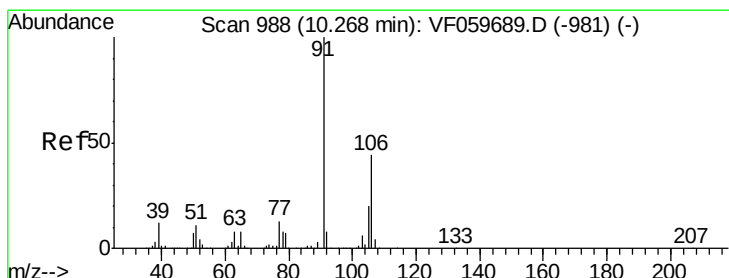
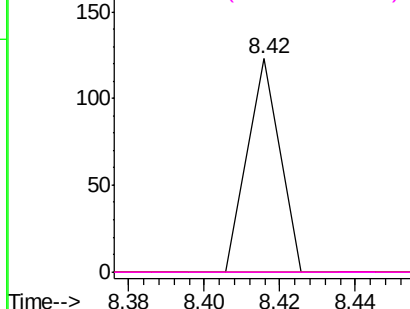
166 0.0 102.1 153.1#

129 0.0 73.8 110.6#

131 0.0 73.1 109.7#



Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.90 (128.60 to 129.60): V
Ion 130.90 (130.60 to 131.60): V



#68

m/p-Xylenes

Concen: Below Cal

RT: 10.25 min Scan# 986

Delta R.T. -0.02 min

Lab File: VF059846.D

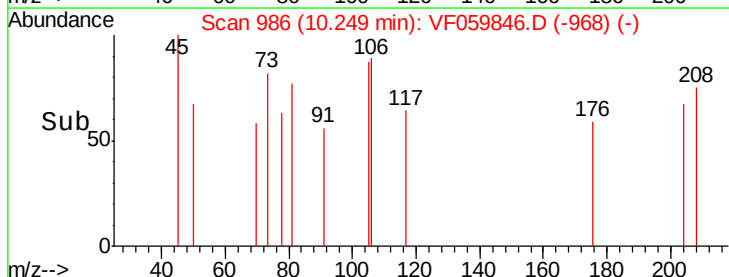
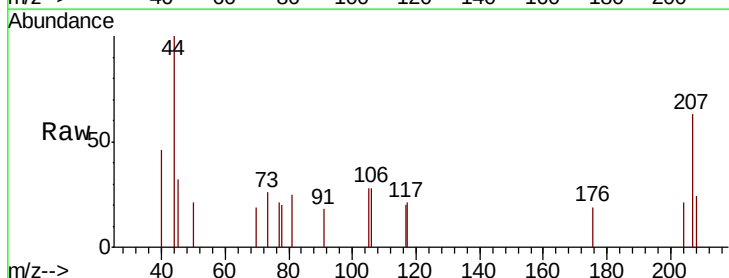
Acq: 3 Aug 2018 18:40

Tgt Ion:106 Resp: 348

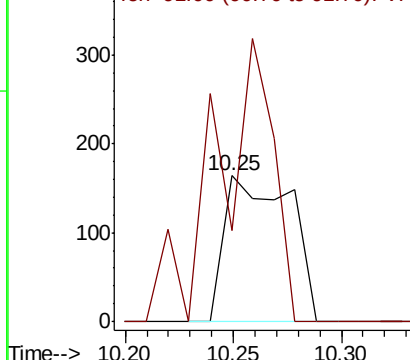
Ion Ratio Lower Upper

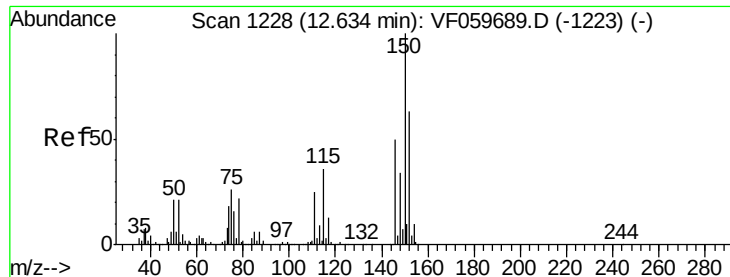
106 100

91 62.8 181.7 272.5#



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

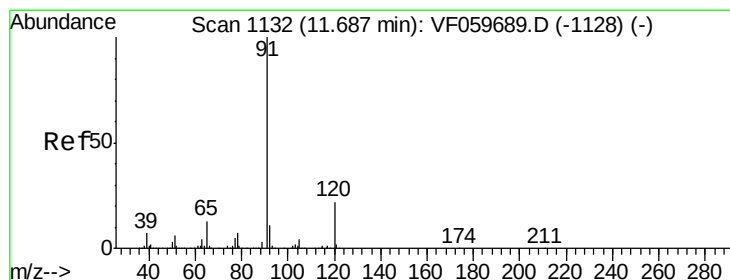
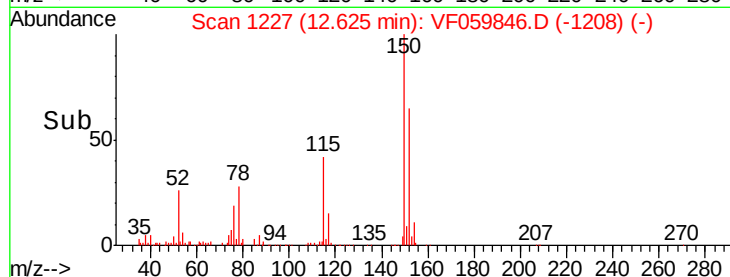
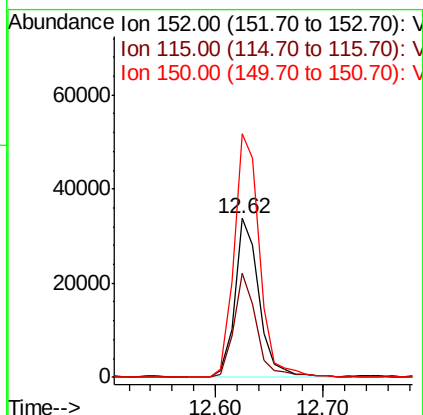
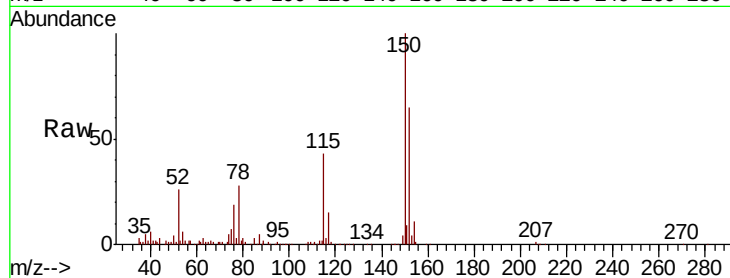




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 12.62 min Scan# 1227
 Delta R.T. -0.01 min
 Lab File: VF059846.D
 Acq: 3 Aug 2018 18:40

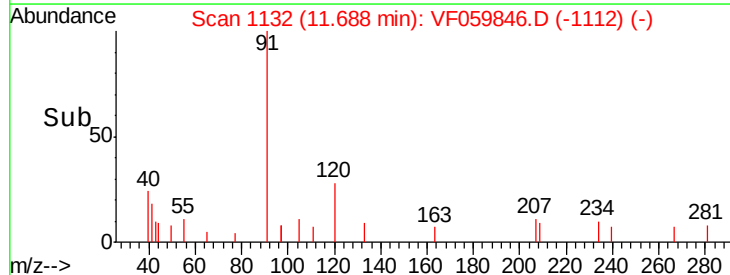
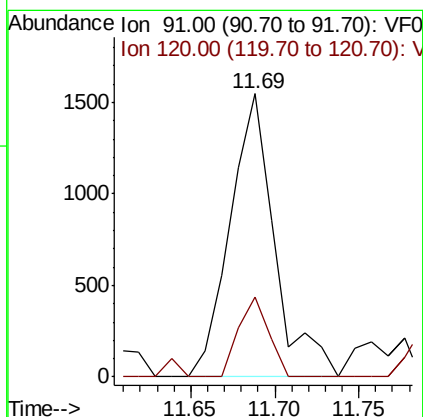
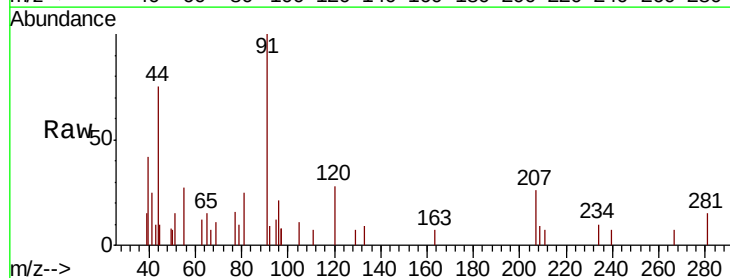
Instrument :
 MSVOA_F
 ClientSampleId :
 EO-03-080118-BRE

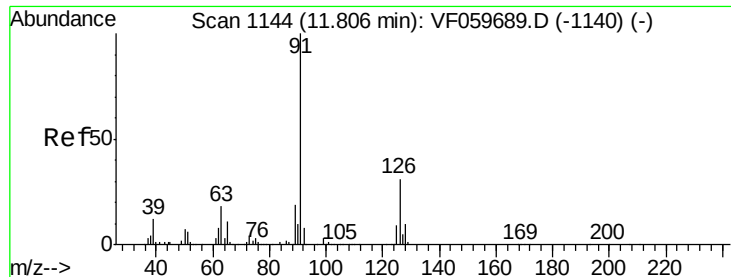
Tot Ion:152 Resp: 52648
 Ion Ratio Lower Upper
 152 100
 115 65.4 28.2 84.6
 150 153.4 0.0 316.2



#78
 n-propylbenzene
 Concen: Below Cal
 RT: 11.69 min Scan# 1132
 Delta R.T. 0.00 min
 Lab File: VF059846.D
 Acq: 3 Aug 2018 18:40

Tgt Ion: 91 Resp: 2848
 Ion Ratio Lower Upper
 91 100
 120 28.1 11.0 33.0

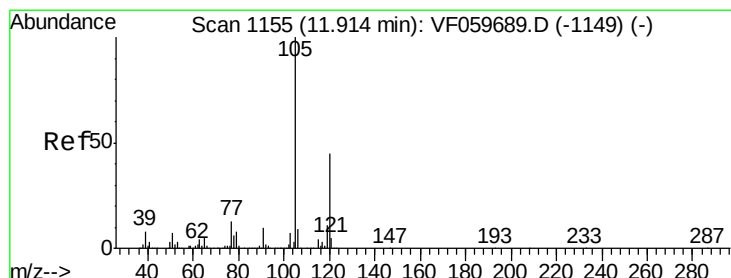
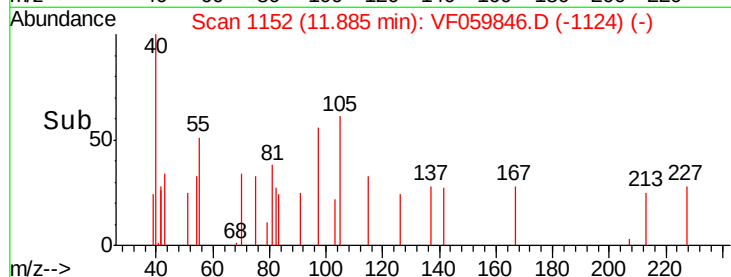
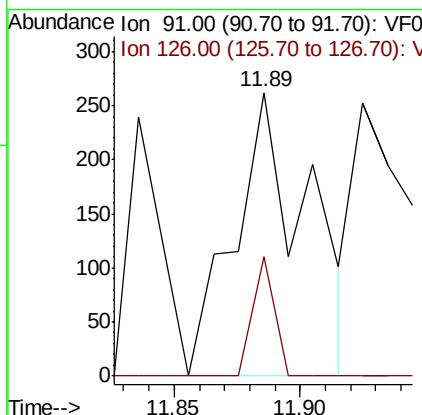
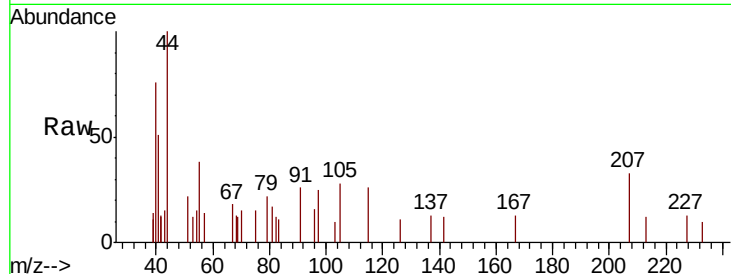




#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 11.89 min Scan# 1152
 Delta R.T. 0.08 min
 Lab File: VF059846.D
 Acq: 3 Aug 2018 18:40

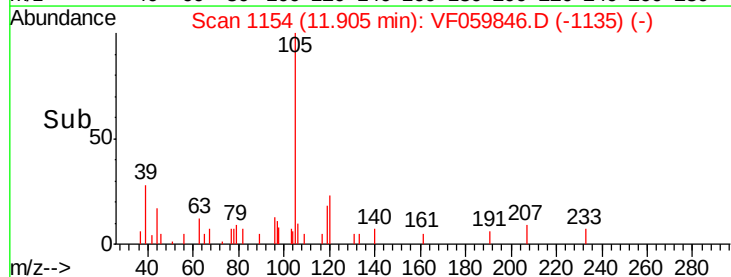
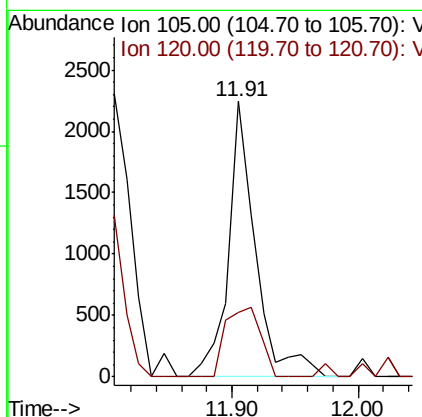
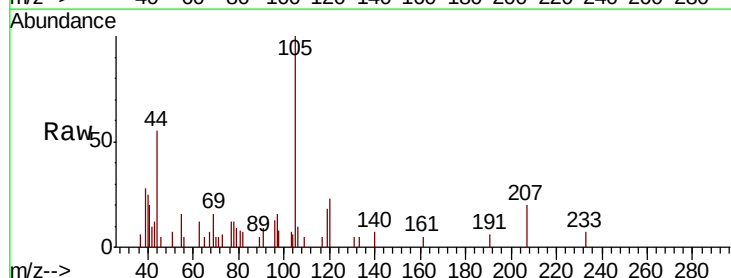
Instrument :
 MSVOA_F
 ClientSampleId :
 EO-03-080118-BRE

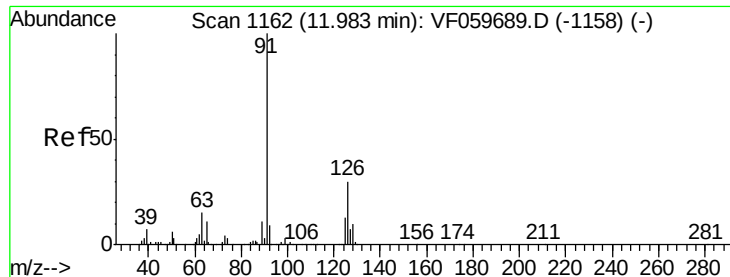
Tot Ion: 91 Resp: 531
 Ion Ratio Lower Upper
 91 100
 126 42.4 15.4 46.2



#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: VF059846.D
 Acq: 3 Aug 2018 18:40

Tgt Ion:105 Resp: 3319
 Ion Ratio Lower Upper
 105 100
 120 23.3 22.7 68.0

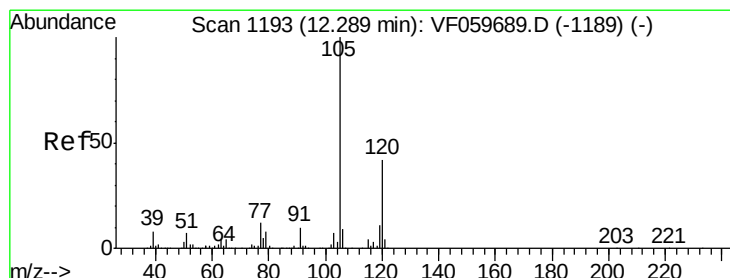
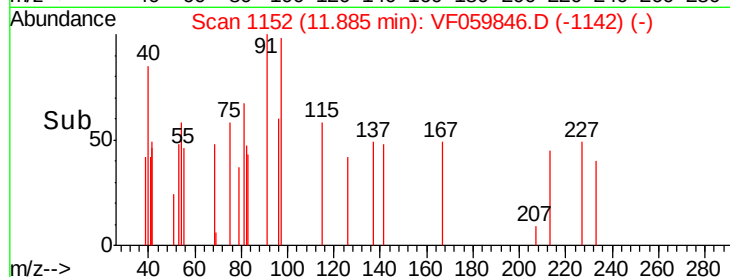
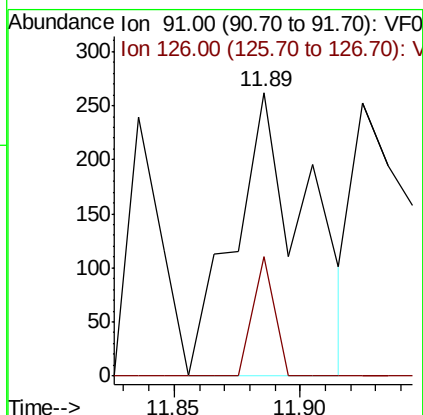
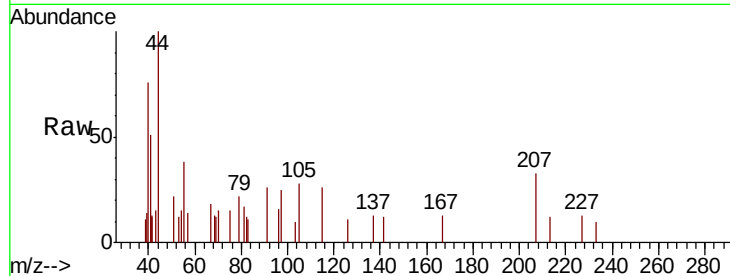




#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.89 min Scan# 1152
Delta R.T. -0.10 min
Lab File: VF059846.D
Acq: 3 Aug 2018 18:40

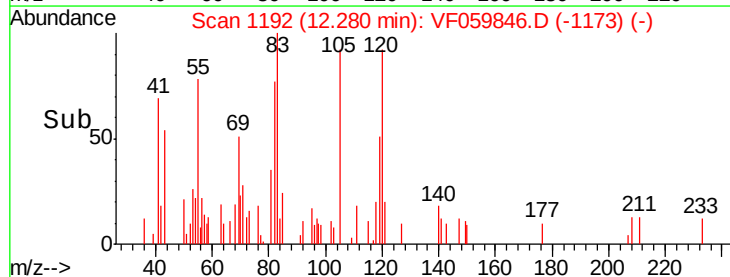
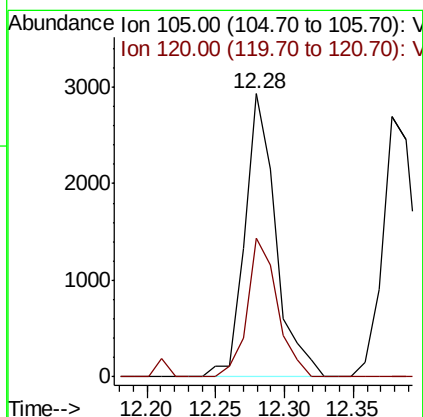
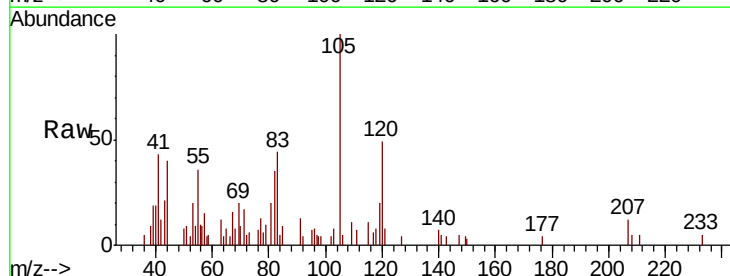
Instrument :
MSVOA_F
ClientSampleId :
EO-03-080118-BRE

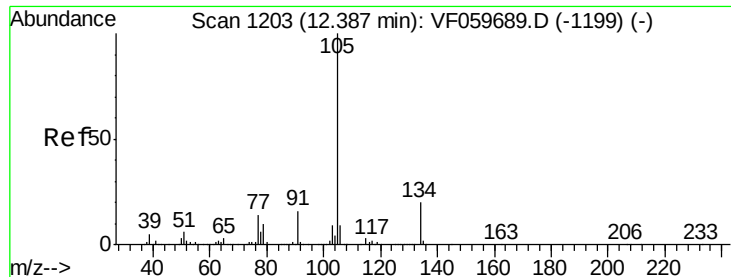
Tot Ion: 91 Resp: 531
Ion Ratio Lower Upper
91 100
126 42.4 15.2 45.6



#84
1,2,4-Trimethylbenzene
Concen: Below Cal
RT: 12.28 min Scan# 1192
Delta R.T. -0.01 min
Lab File: VF059846.D
Acq: 3 Aug 2018 18:40

Tgt Ion: 105 Resp: 4588
Ion Ratio Lower Upper
105 100
120 49.0 21.1 63.3





#85

sec-Butylbenzene

Concen: Below Cal

RT: 12.38 min Scan# 1202

Delta R.T. -0.01 min

Lab File: VF059846.D

Acq: 3 Aug 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

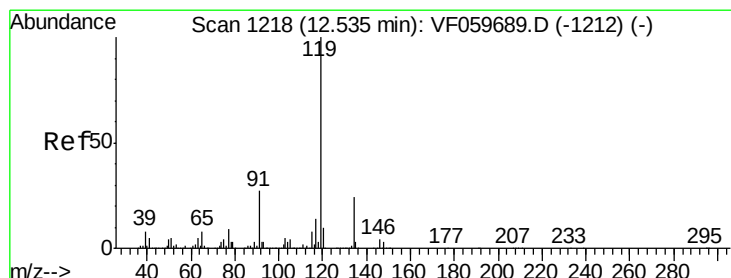
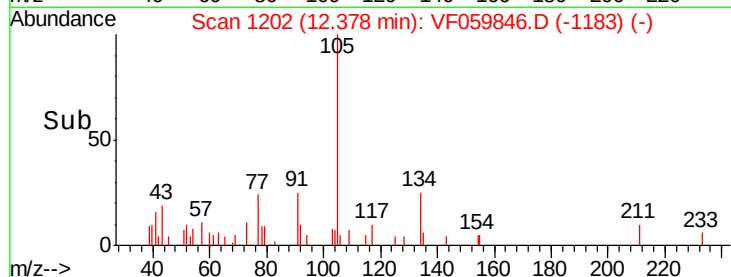
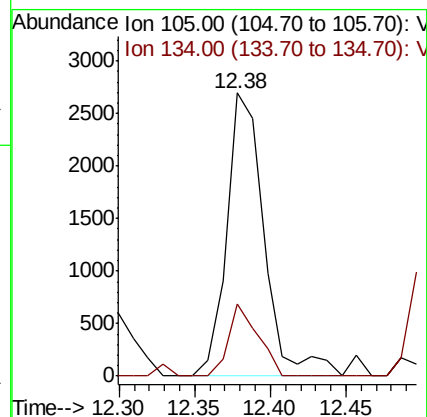
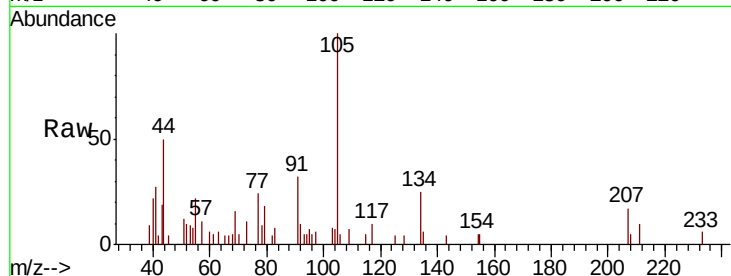
EO-03-080118-BRE

Tot Ion:105 Resp: 4624

Ion Ratio Lower Upper

105 100

134 25.4 9.8 29.3



#86

p-Isopropyltoluene

Concen: Below Cal

RT: 12.51 min Scan# 1215

Delta R.T. -0.03 min

Lab File: VF059846.D

Acq: 3 Aug 2018 18:40

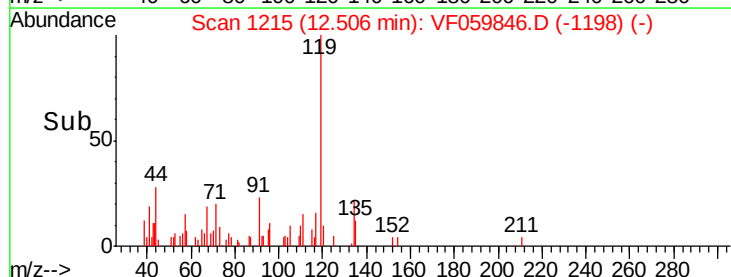
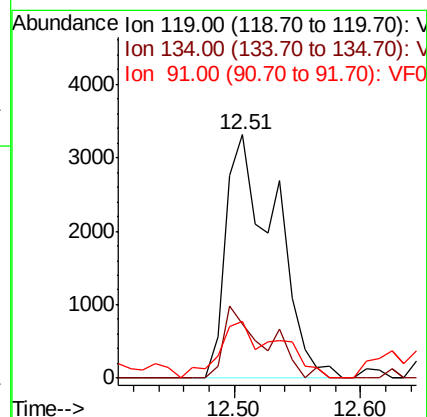
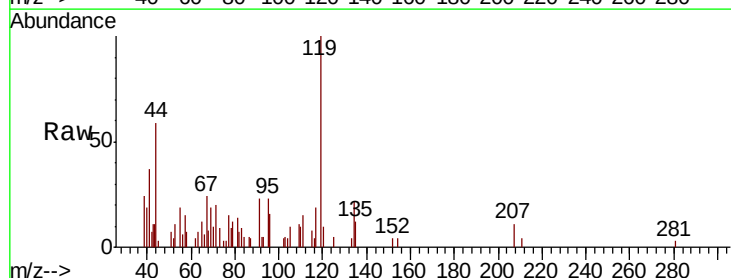
Tgt Ion:119 Resp: 8978

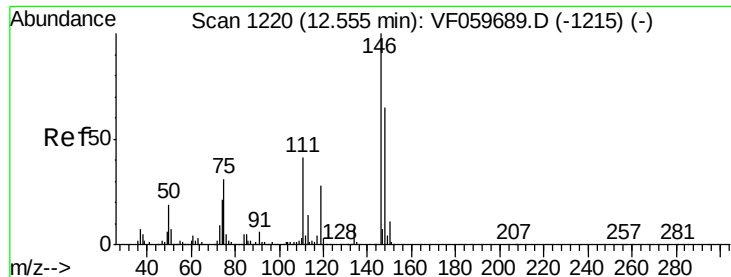
Ion Ratio Lower Upper

119 100

134 22.4 12.2 36.6

91 23.1 13.4 40.2





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 12.56 min Scan# 1220

Delta R.T. 0.00 min

Lab File: VF059846.D

Acq: 3 Aug 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

EO-03-080118-BRE

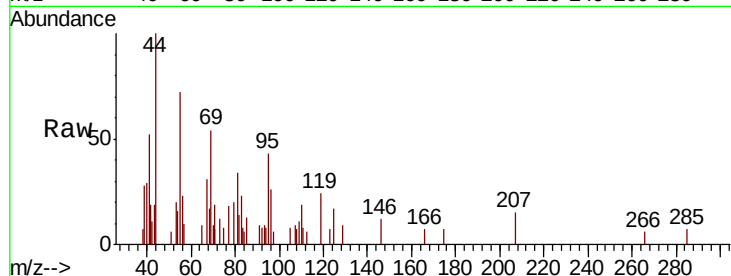
Tot Ion:146 Resp: 122

Ion Ratio Lower Upper

146 100

111 61.2 20.7 62.1

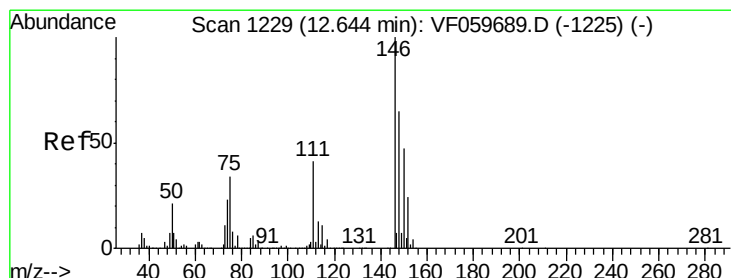
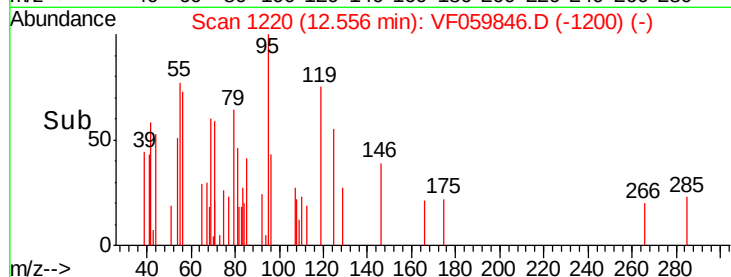
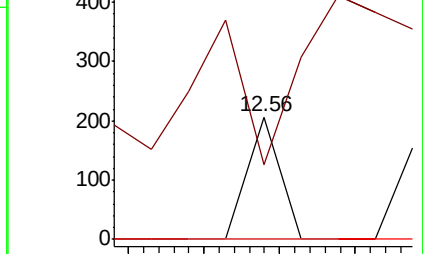
148 0.0 32.3 96.8#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 12.64 min Scan# 1229

Delta R.T. 0.00 min

Lab File: VF059846.D

Acq: 3 Aug 2018 18:40

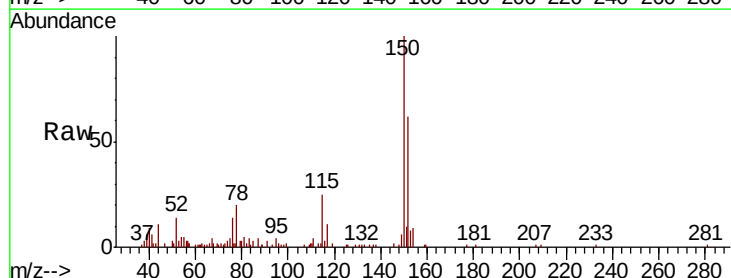
Tgt Ion:146 Resp: 453

Ion Ratio Lower Upper

146 100

111 215.0 20.8 62.2#

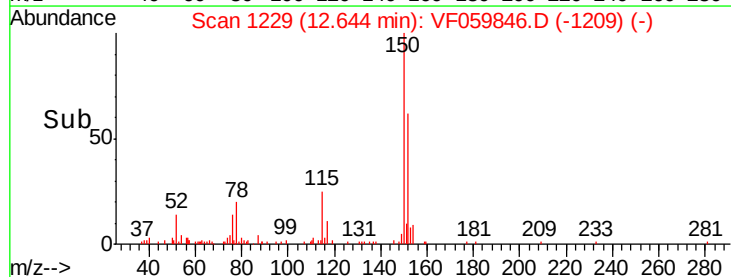
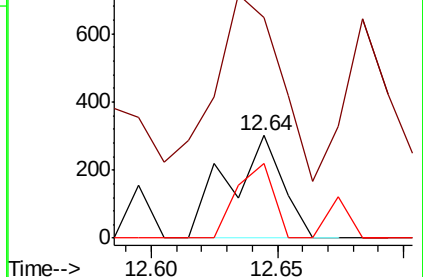
148 72.8 32.3 96.9

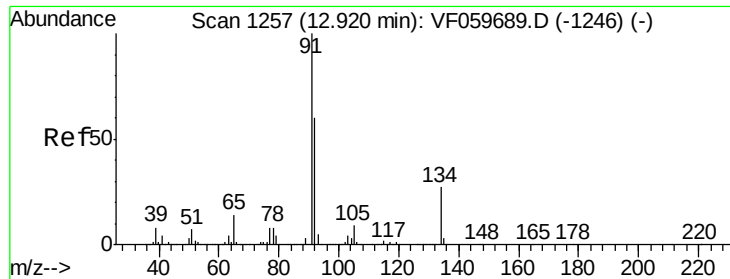


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#89

n-Butylbenzene

Concen: Below Cal

RT: 12.91 min Scan# 1256

Delta R.T. -0.01 min

Lab File: VF059846.D

Acq: 3 Aug 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

EO-03-080118-BRE

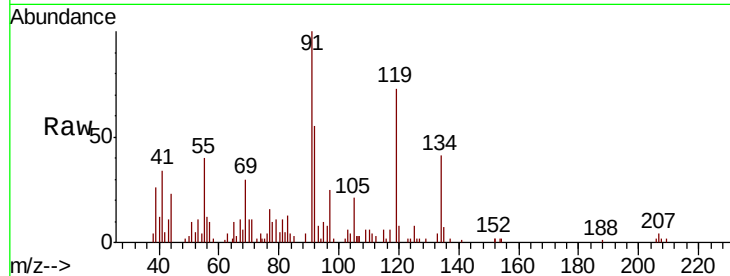
Tot Ion: 91 Resp: 13582

Ion Ratio Lower Upper

91 100

92 55.1 30.1 90.3

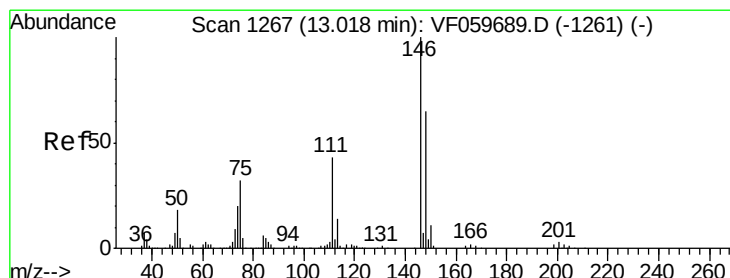
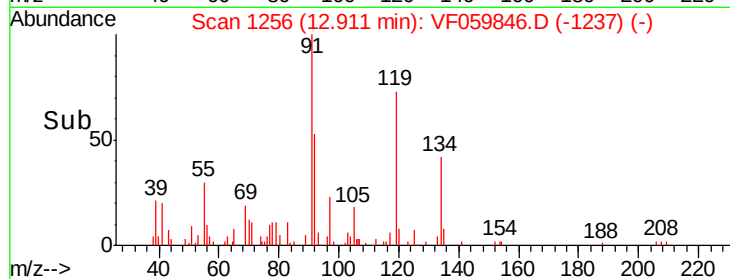
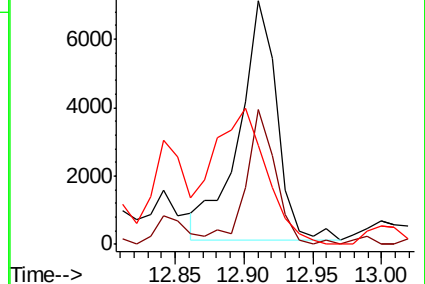
134 40.6 13.7 41.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V



#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.01 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VF059846.D

Acq: 3 Aug 2018 18:40

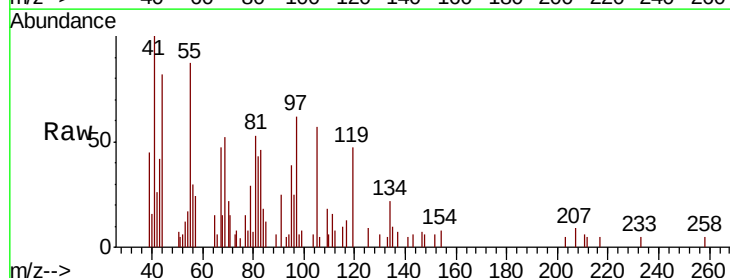
Tgt Ion: 146 Resp: 91

Ion Ratio Lower Upper

146 100

111 243.5 21.6 65.0#

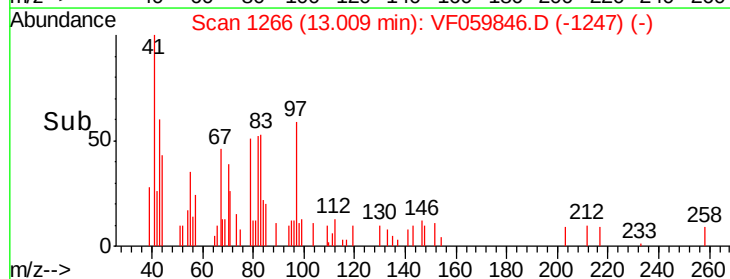
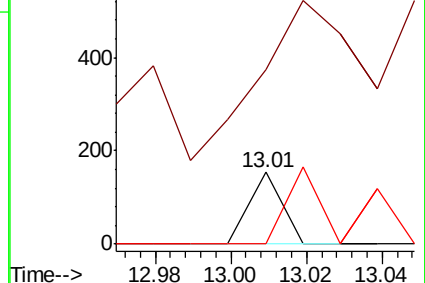
148 0.0 32.3 96.9#

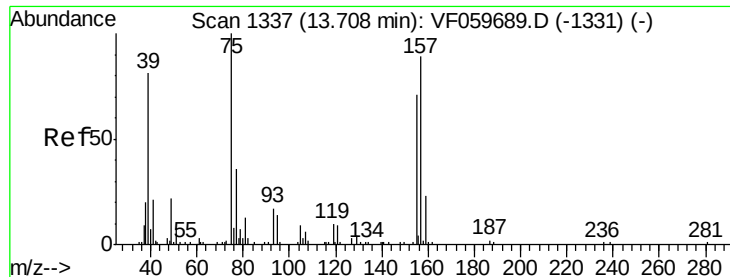


Abundance Ion 146.00 (145.70 to 146.70): V

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: 2.16 ug/l

RT: 13.71 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VF059846.D

Acq: 3 Aug 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

EO-03-080118-BRE

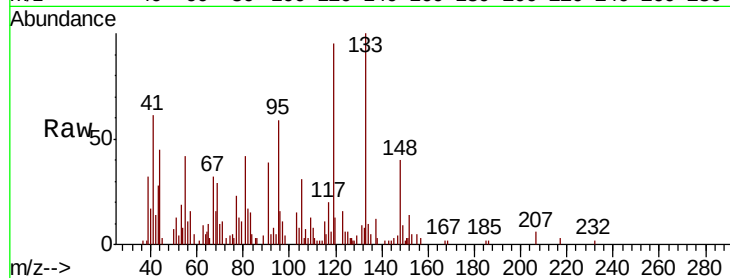
Tot Ion: 75 Resp: 344

Ion Ratio Lower Upper

75 100

155 83.0 35.4 106.2

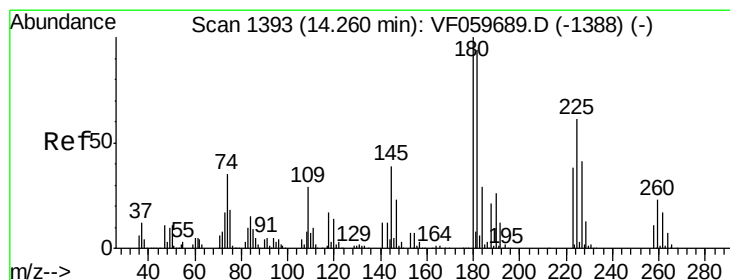
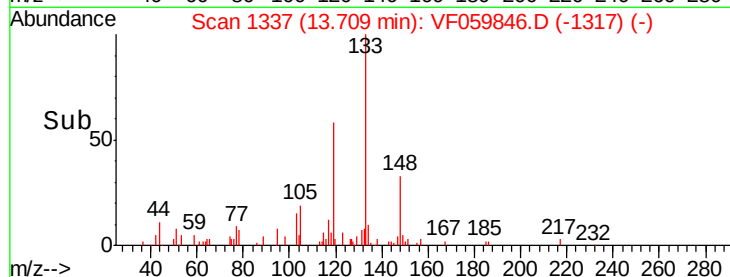
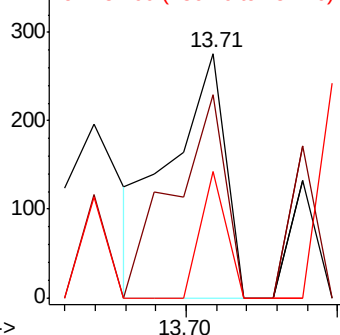
157 51.4 44.4 133.2



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: Below Cal

RT: 14.26 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VF059846.D

Acq: 3 Aug 2018 18:40

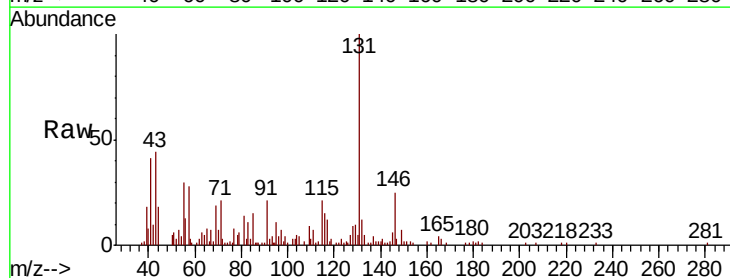
Tgt Ion:180 Resp: 399

Ion Ratio Lower Upper

180 100

182 73.1 47.2 141.6

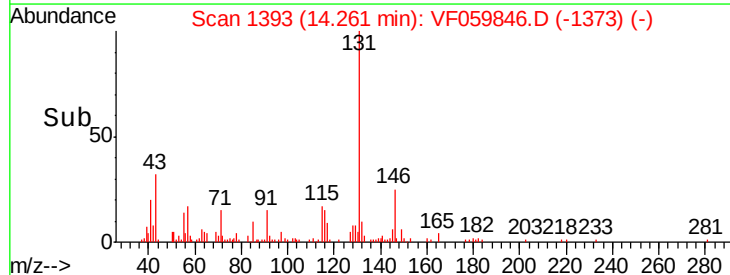
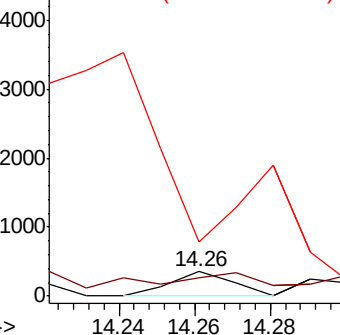
145 222.4 19.3 57.9#

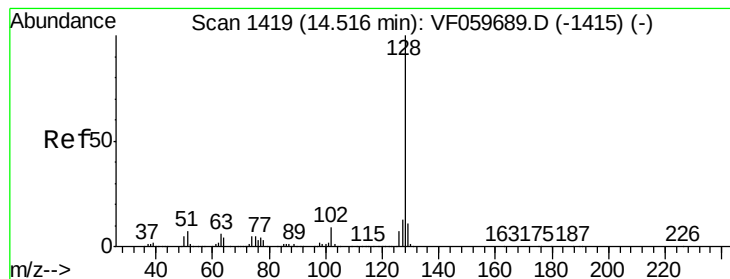


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#95

Naphthalene

Concen: 3.96 ug/l

RT: 14.53 min Scan# 1420

Delta R.T. 0.01 min

Lab File: VF059846.D

Acq: 3 Aug 2018 18:40

Instrument :

MSVOA_F

ClientSampleId :

EO-03-080118-BRE

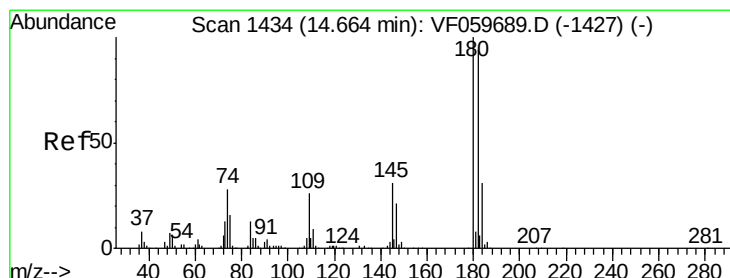
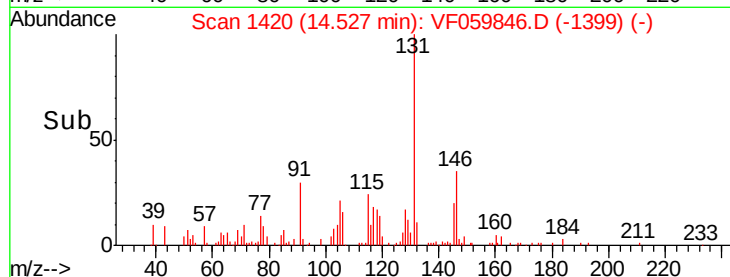
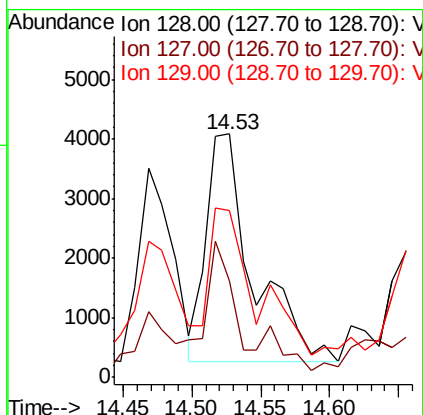
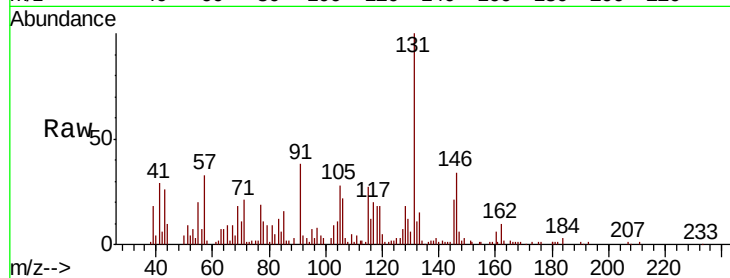
Tot Ion:128 Resp: 8984

Ion Ratio Lower Upper

128 100

127 39.5 10.0 15.0#

129 68.5 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.50 ug/l

RT: 14.69 min Scan# 1437

Delta R.T. 0.03 min

Lab File: VF059846.D

Acq: 3 Aug 2018 18:40

Tgt Ion:180 Resp: 1884

Ion Ratio Lower Upper

180 100

182 21.9 47.2 141.6#

145 206.5 15.6 46.7#

