

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF080318\
 Data File : VF059845.D
 Acq On : 3 Aug 2018 18:12
 Operator : VA/AP
 Sample : J4278-01
 Misc : 6.27g/5mL/MSVOA F/SOIL
 ALS Vial : 89 Sample Multiplier: 1

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

Quant Time: Aug 04 03:16:20 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	5.04	168	145755	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	223072	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	153894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	52839	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.01	65	105459	40.26	ug/l	0.00
Spiked Amount 50.000			Recovery =	80.52%		
35) Dibromofluoromethane	4.28	113	88919	38.38	ug/l	0.00
Spiked Amount 50.000			Recovery =	76.76%		
50) Toluene-d8	7.70	98	162012	29.99	ug/l	0.00
Spiked Amount 50.000			Recovery =	59.98%		
62) 4-Bromofluorobenzene	11.51	95	50749	16.97	ug/l	0.00
Spiked Amount 50.000			Recovery =	33.94%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.00	85	161	Below Cal	#	15
3) Chloromethane	1.09	50	678	Below Cal	#	85
4) Vinyl Chloride	1.14	62	125	Below Cal	#	1
5) Bromomethane	1.38	94	423	Below Cal		82
6) Chloroethane	1.35	64	196	Below Cal		92
10) Methyl Iodide	1.95	142	61	Below Cal	#	1
11) Tert butyl alcohol	2.67	59	432	2.65	ug/l	74
13) Acrolein	2.14	56	186	19.21	ug/l	95
15) Acrylonitrile	3.07	53	747	4.48	ug/l	28
16) Acetone	2.48	43	1498	3.18	ug/l	95
17) Carbon Disulfide	1.87	76	119	Below Cal	#	1
20) Methylene Chloride	2.28	84	8526	1.39	ug/l	86
21) trans-1,2-Dichloroethene	2.42	96	72	Below Cal	#	15
25) 2-Butanone	4.50	43	740	1.41	ug/l	74
28) Bromochloromethane	3.90	49	96	Below Cal	#	15
31) Cyclohexane	3.85	56	82	Below Cal	#	15
36) 1,1-Dichloropropene	4.47	75	344	Below Cal	#	50
37) Ethyl Acetate	4.30	43	150	Below Cal	#	19
39) Methylcyclohexane	5.75	83	3029	Below Cal	#	39
41) Methacrylonitrile	4.89	41	404	Below Cal	#	24
49) 1,4-Dioxane	6.88	88	75	Below Cal	#	31
51) 4-Methyl-2-Pentanone	8.41	43	1214	1.20	ug/l	93
52) Toluene	7.77	92	497	Below Cal	#	65
58) 2-Chloroethyl Vinyl ether	7.77	63	232	1.58	ug/l	100
59) 2-Hexanone	9.62	43	1046	1.29	ug/l	30
64) Tetrachloroethene	8.30	164	64	Below Cal	#	1
68) m/p-Xylenes	10.27	106	819	Below Cal	#	18
78) n-propylbenzene	11.68	91	2601	Below Cal		82
79) 2-Chlorotoluene	11.80	91	2100	Below Cal	#	44
80) 1,3,5-Trimethylbenzene	11.91	105	5848	Below Cal		72
82) 4-Chlorotoluene	11.99	91	490	Below Cal	#	44
84) 1,2,4-Trimethylbenzene	12.28	105	28345	6.19	ug/l	100
85) sec-Butylbenzene	12.38	105	5072	Below Cal		100
86) p-Isopropyltoluene	12.51	119	7325	Below Cal		91

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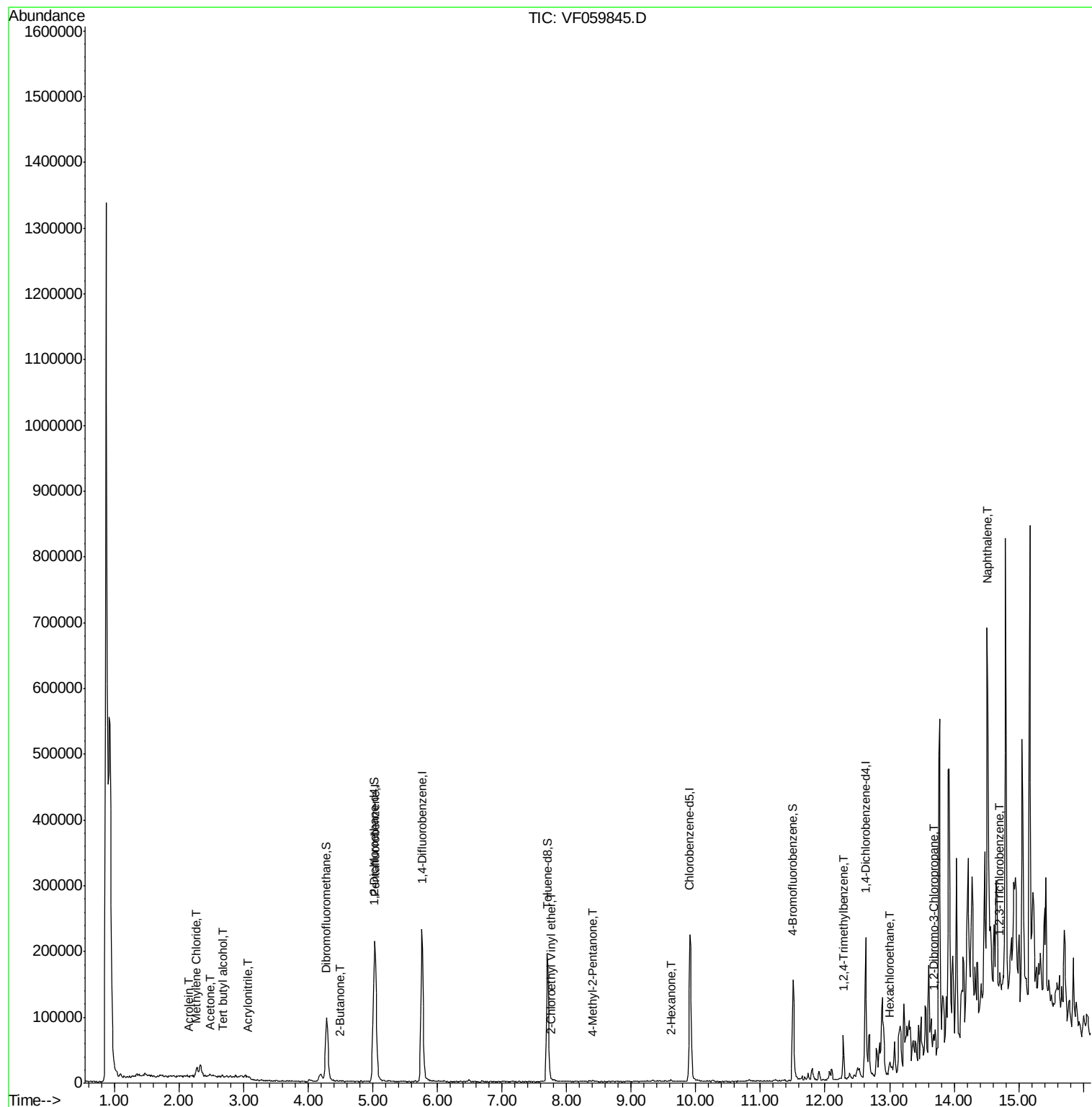
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) 1,3-Dichlorobenzene	12.56	146	350	Below Cal	#	48
88) 1,4-Dichlorobenzene	12.65	146	350	Below Cal	#	1
89) n-Butylbenzene	12.92	91	15299	Below Cal	#	89
90) Hexachloroethane	12.99	117	1238	1.42 uq/l	#	18
91) 1,2-Dichlorobenzene	13.01	146	88	Below Cal	#	1
92) 1,2-Dibromo-3-Chloropropan	13.67	75	548	3.43 uq/l	#	9
93) 1,2,4-Trichlorobenzene	14.27	180	461	Below Cal	#	1
95) Naphthalene	14.52	128	19934	8.75 uq/l	#	9
96) 1,2,3-Trichlorobenzene	14.69	180	3779	3.00 uq/l	#	2

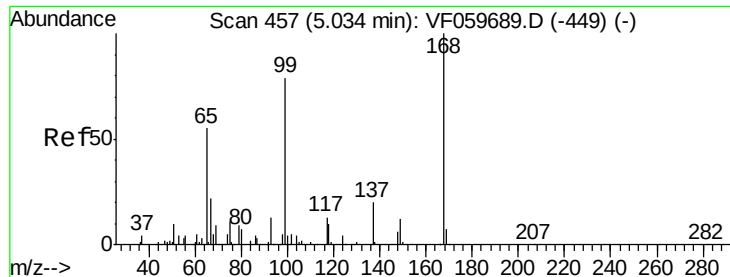
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059845.D

Acq: 3 Aug 2018 18:12

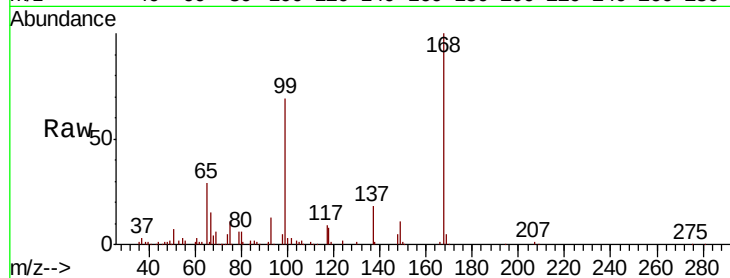
Instrument :
MSVOA_F
ClientSampleId :
EO-03-080118-ARE

Tot Ion:168 Resp: 145755

Ion Ratio Lower Upper

168 100

99 68.9 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.04

40000

30000

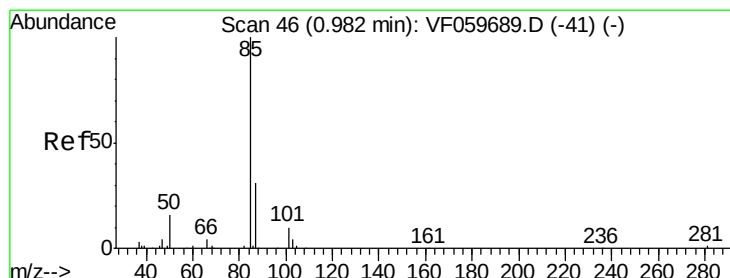
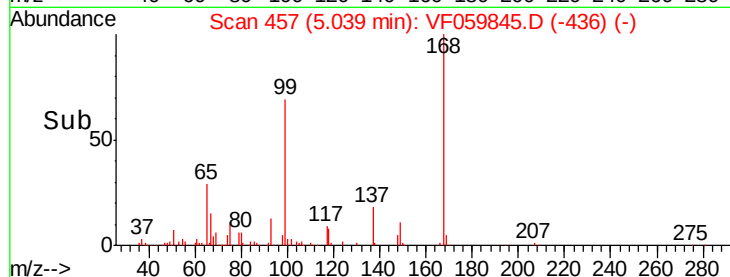
20000

10000

0

4.90 5.00 5.10 5.20

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.00 min Scan# 47

Delta R.T. 0.02 min

Lab File: VF059845.D

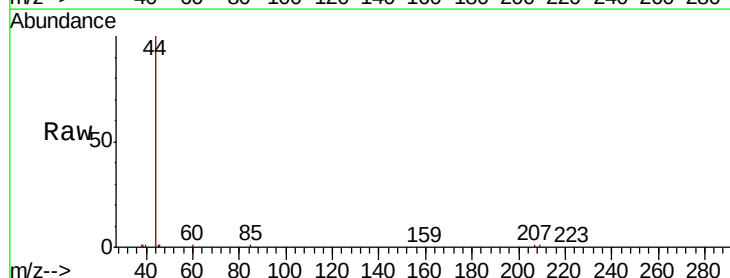
Acq: 3 Aug 2018 18:12

Tgt Ion: 85 Resp: 161

Ion Ratio Lower Upper

85 100

87 77.0 15.3 45.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.00

150

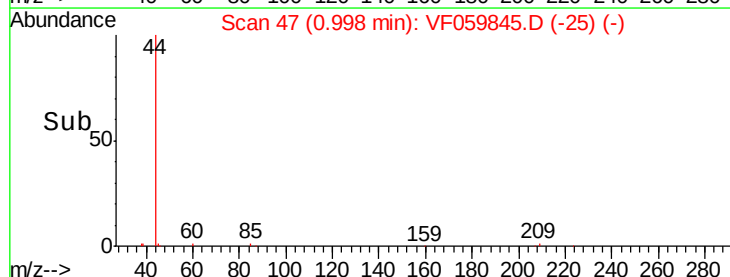
100

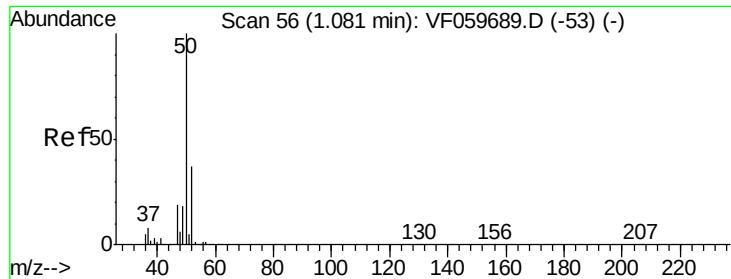
50

0

0.96 0.98 1.00 1.02

Time-->





#3

Chloromethane

Concen: Below Cal

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF059845.D

Acq: 3 Aug 2018 18:12

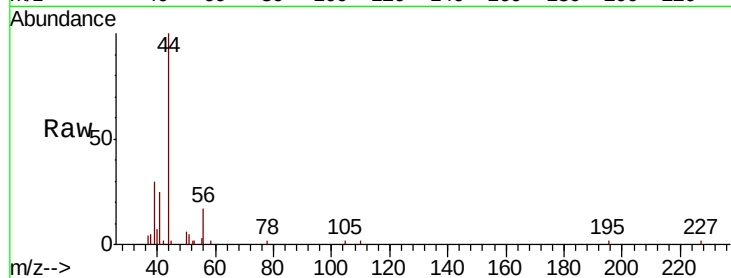
Instrument :
MSVOA_F
ClientSampleId :
EO-03-080118-ARE

Tot Ion: 50 Resp: 678

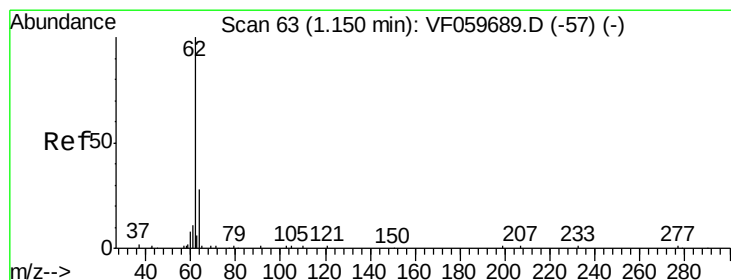
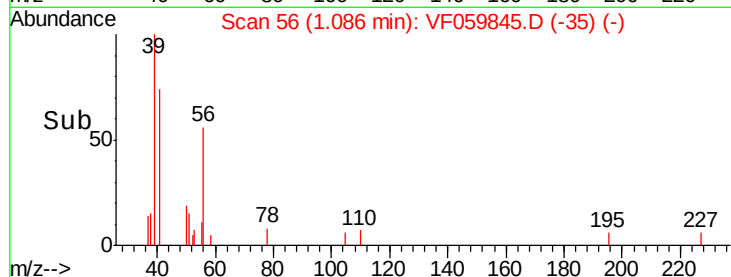
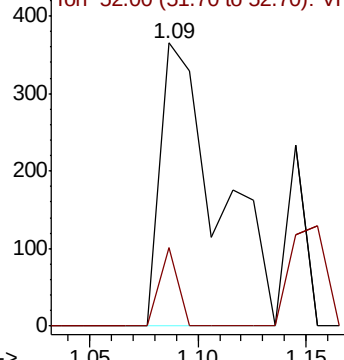
Ion Ratio Lower Upper

50 100

52 27.7 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: 1.14 min Scan# 61

Delta R.T. -0.01 min

Lab File: VF059845.D

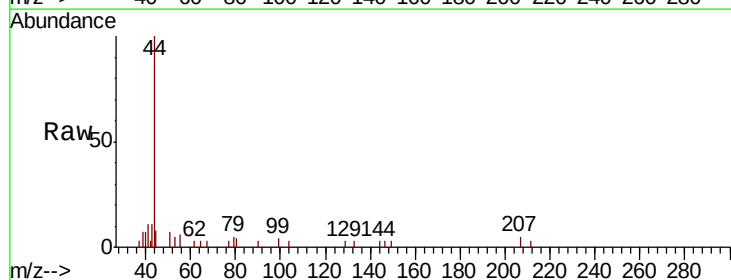
Acq: 3 Aug 2018 18:12

Tgt Ion: 62 Resp: 125

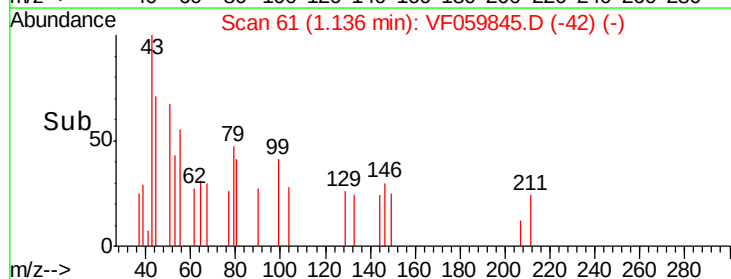
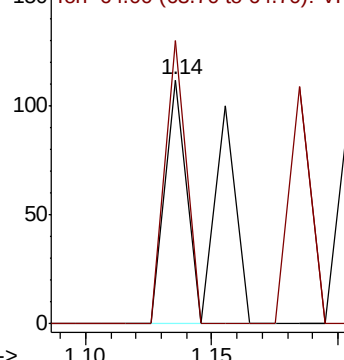
Ion Ratio Lower Upper

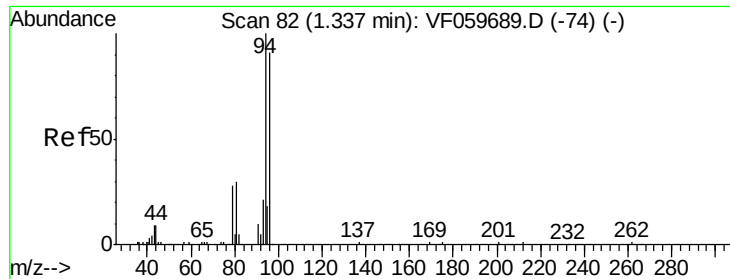
62 100

64 116.1 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: 1.38 min Scan# 86

Delta R.T. 0.05 min

Lab File: VF059845.D

Acq: 3 Aug 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

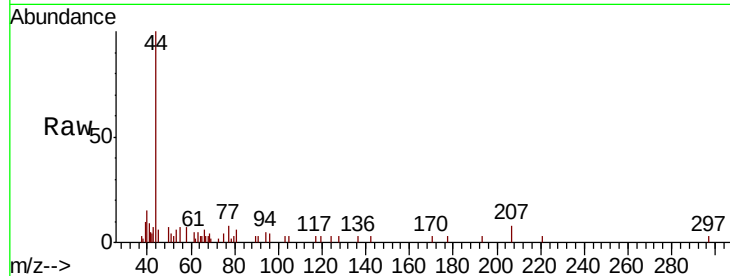
EO-03-080118-ARE

Tot Ion: 94 Resp: 423

Ion Ratio Lower Upper

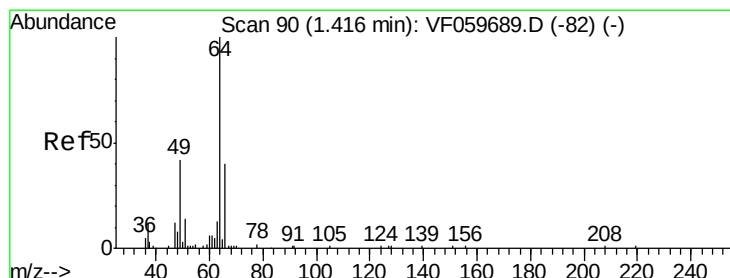
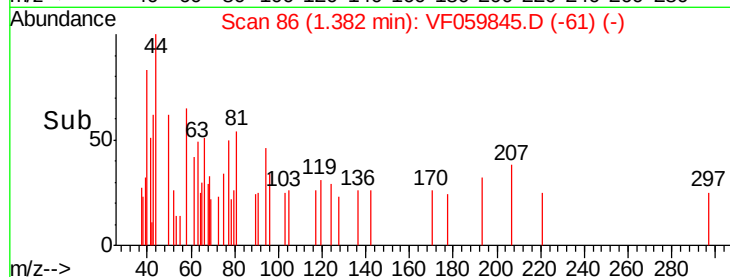
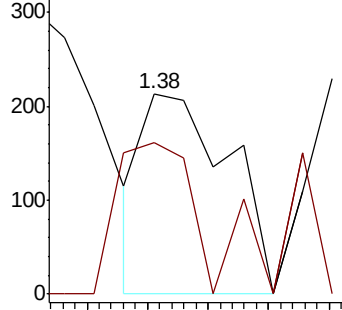
94 100

96 75.2 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: Below Cal

RT: 1.35 min Scan# 83

Delta R.T. -0.06 min

Lab File: VF059845.D

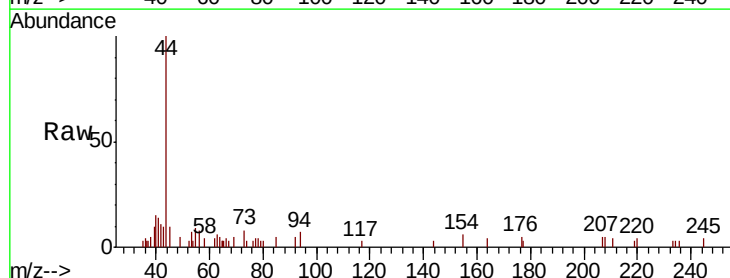
Acq: 3 Aug 2018 18:12

Tgt Ion: 64 Resp: 196

Ion Ratio Lower Upper

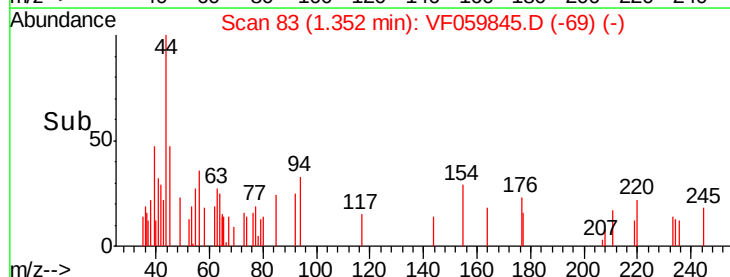
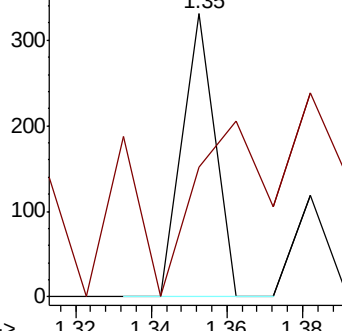
64 100

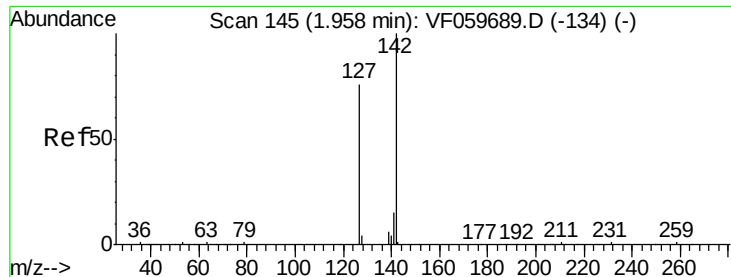
66 45.6 32.6 49.0



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0





#10

Methyl Iodide

Concen: Below Cal

RT: 1.95 min Scan# 144

Delta R.T. -0.00 min

Lab File: VF059845.D

Acq: 3 Aug 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

EO-03-080118-ARE

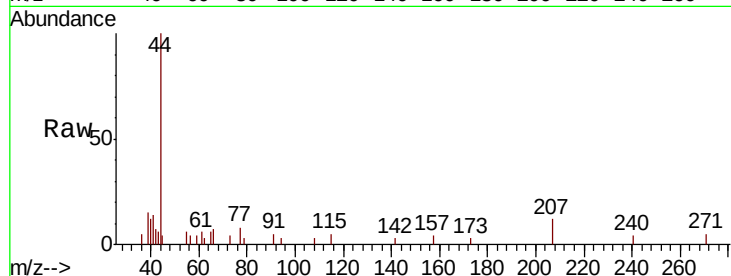
Tot Ion:142 Resp: 61

Ion Ratio Lower Upper

142 100

127 0.0 60.6 91.0#

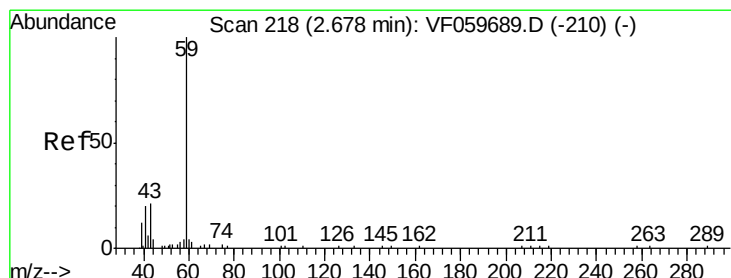
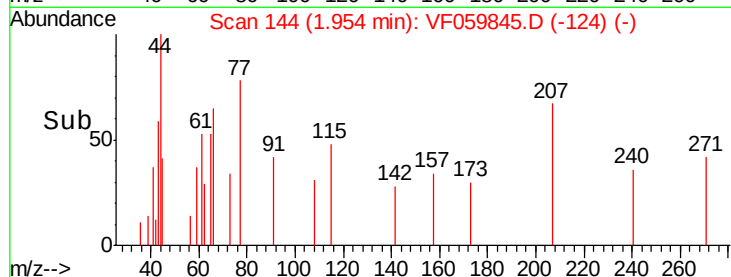
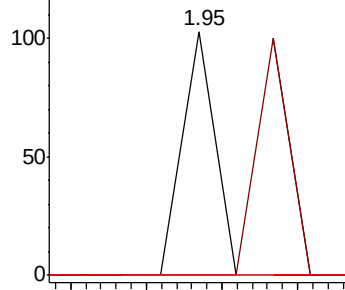
141 100.0 12.0 18.0#



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: 2.65 ug/l

RT: 2.67 min Scan# 217

Delta R.T. -0.00 min

Lab File: VF059845.D

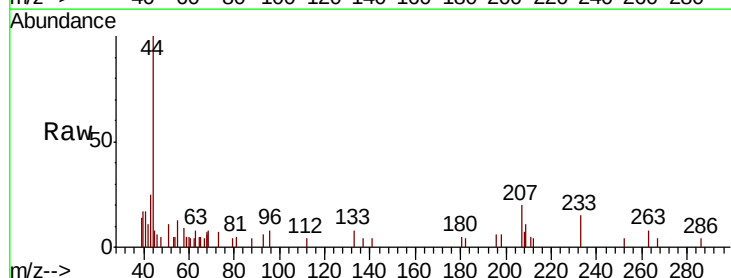
Acq: 3 Aug 2018 18:12

Tgt Ion: 59 Resp: 432

Ion Ratio Lower Upper

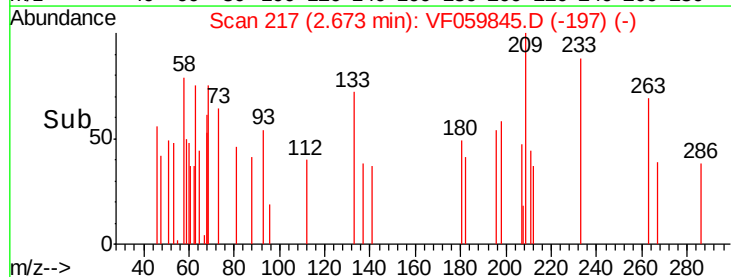
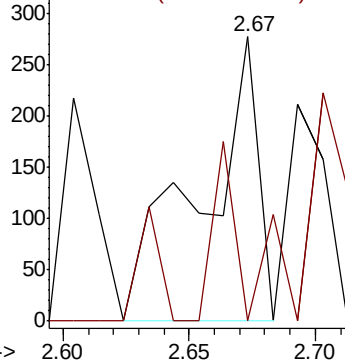
59 100

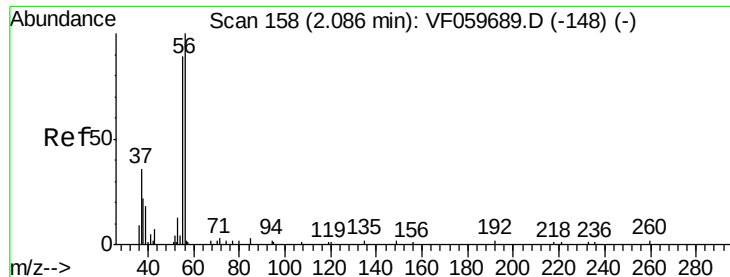
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#13

Acrolein

Concen: 19.21 ug/l

RT: 2.14 min Scan# 163

Delta R.T. 0.06 min

Lab File: VF059845.D

Acq: 3 Aug 2018 18:12

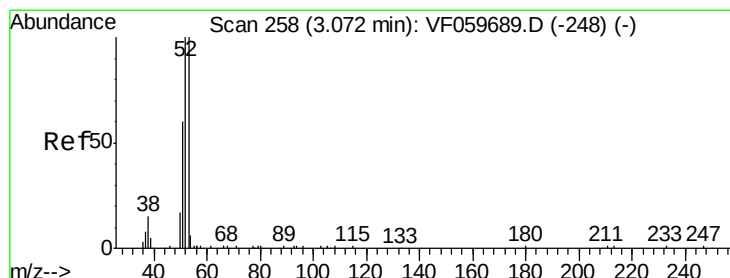
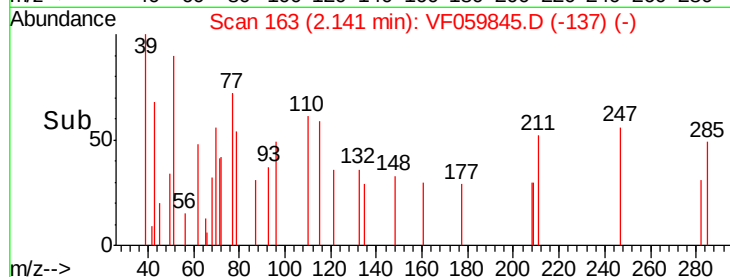
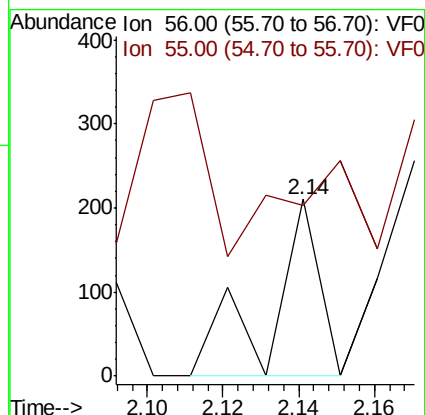
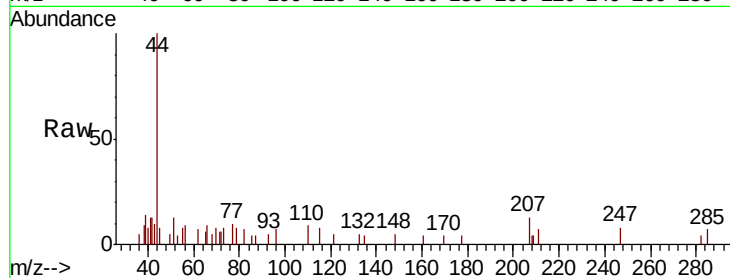
Instrument :
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Tot Ion: 56 Resp: 186

Ion Ratio Lower Upper

56 100

55 96.7 73.2 109.8



#15

Acrylonitrile

Concen: 4.48 ug/l

RT: 3.07 min Scan# 257

Delta R.T. -0.00 min

Lab File: VF059845.D

Acq: 3 Aug 2018 18:12

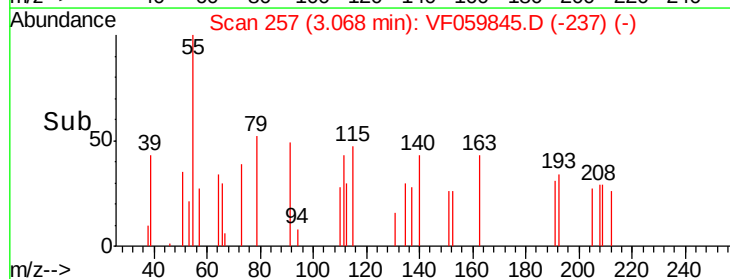
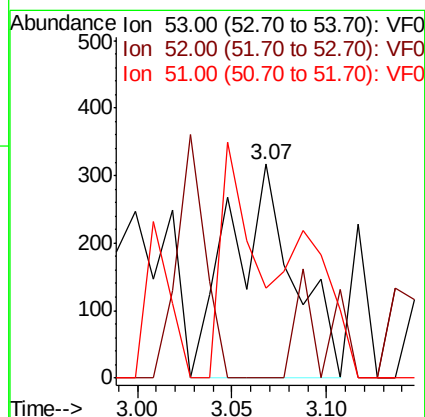
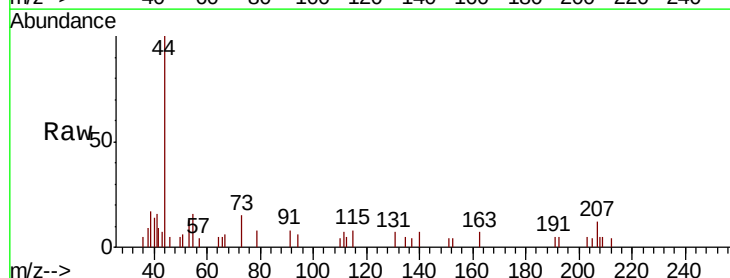
Tgt Ion: 53 Resp: 747

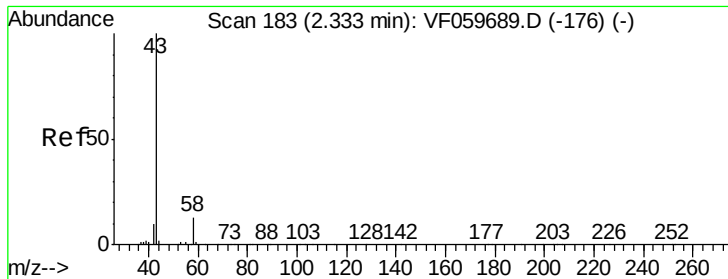
Ion Ratio Lower Upper

53 100

52 0.0 80.3 120.5#

51 42.0 49.4 74.0#





#16

Acetone

Concen: 3.18 ug/l

RT: 2.48 min Scan# 197

Delta R.T. 0.14 min

Lab File: VF059845.D

Acq: 3 Aug 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

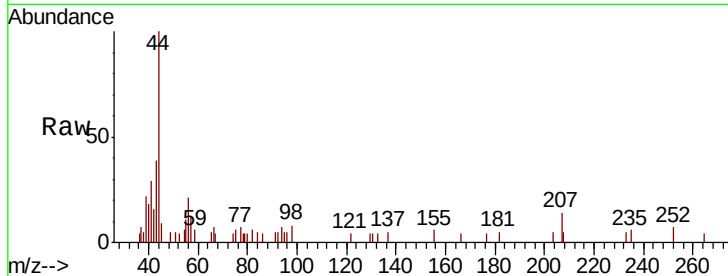
EO-03-080118-ARE

Tot Ion: 43 Resp: 1498

Ion Ratio Lower Upper

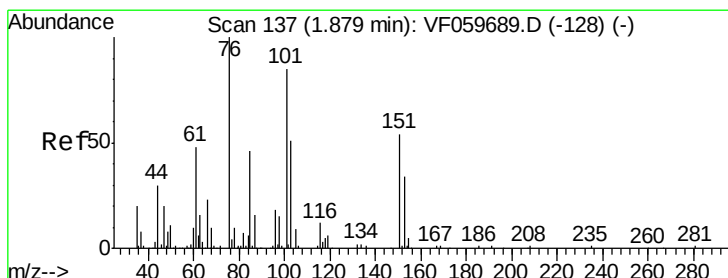
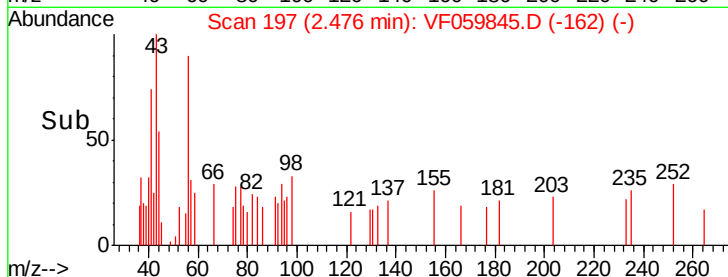
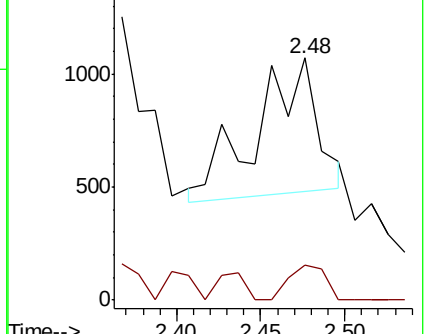
43 100

58 14.7 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: 1.87 min Scan# 136

Delta R.T. -0.00 min

Lab File: VF059845.D

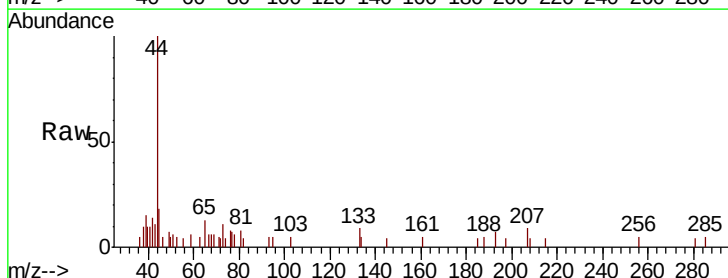
Acq: 3 Aug 2018 18:12

Tgt Ion: 76 Resp: 119

Ion Ratio Lower Upper

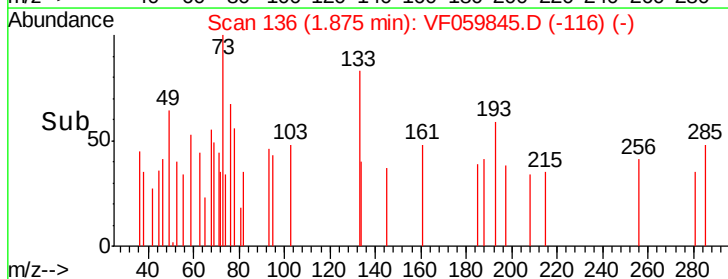
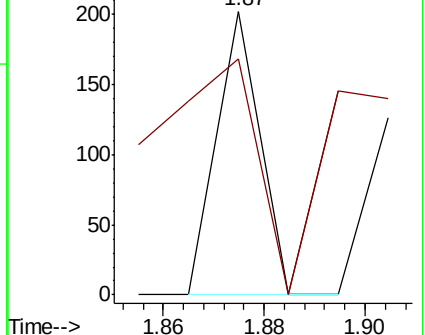
76 100

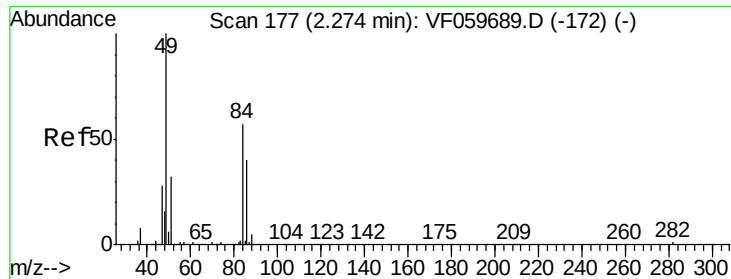
78 83.2 8.9 13.3#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

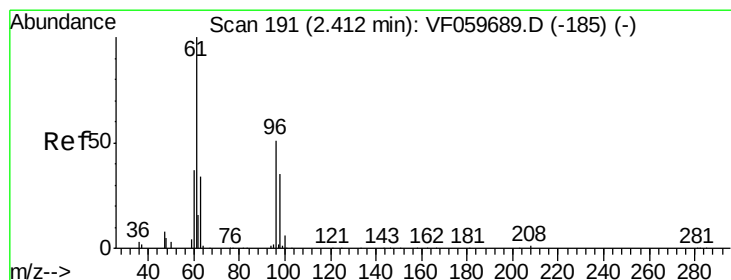
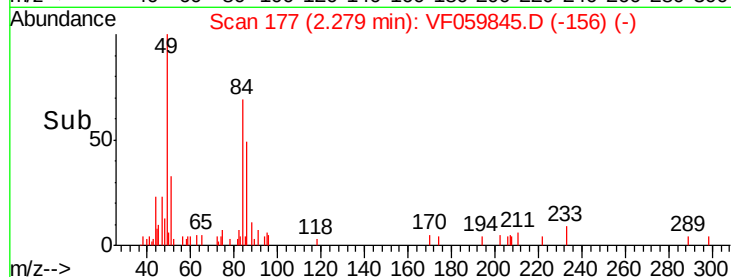
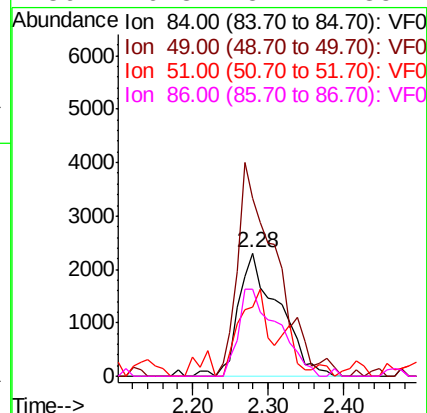
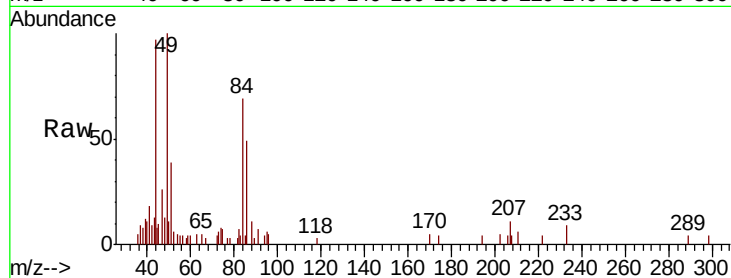




#20
Methylene Chloride
Concen: 1.39 ug/l
RT: 2.28 min Scan# 177
Delta R.T. 0.01 min
Lab File: VF059845.D
Acq: 3 Aug 2018 18:12

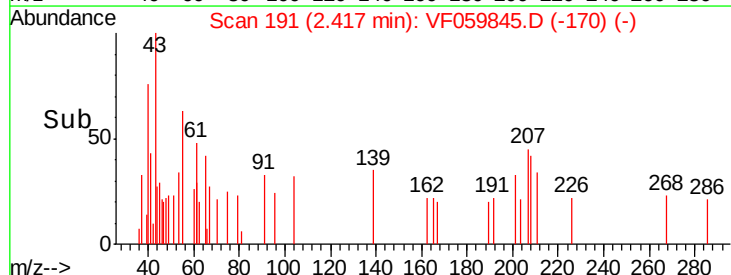
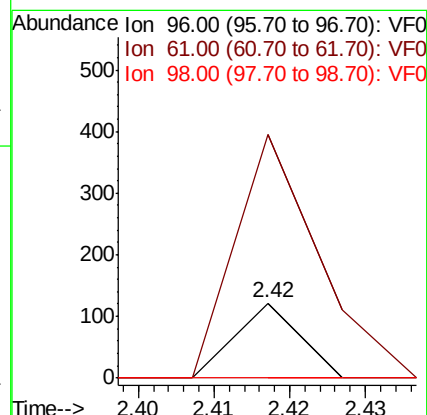
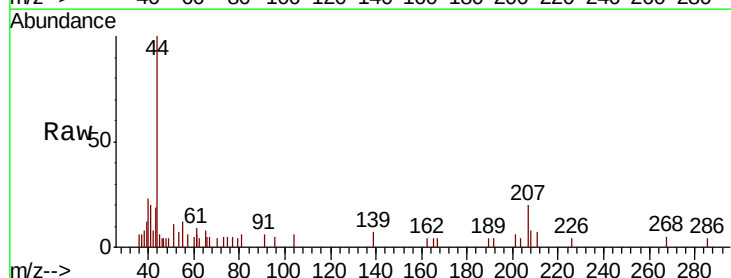
Instrument :
MSVOA_F
ClientSampleId :
EO-03-080118-ARE

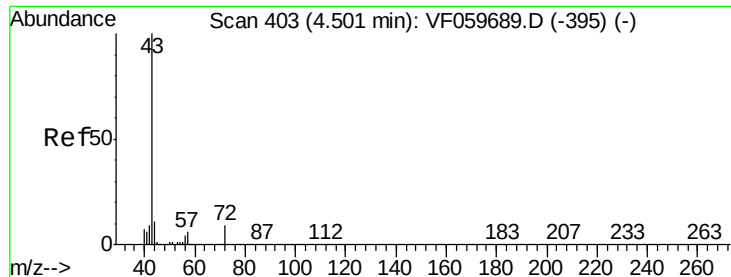
Tot Ion:	84	Resp:	8526
Ion	Ratio	Lower	Upper
84	100		
49	145.0	142.2	213.4
51	56.1	46.2	69.2
86	70.3	57.1	85.7



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 2.42 min Scan# 191
Delta R.T. 0.01 min
Lab File: VF059845.D
Acq: 3 Aug 2018 18:12

Tgt Ion:	96	Resp:	72
Ion	Ratio	Lower	Upper
96	100		
61	323.8	157.4	236.0#
98	0.0	55.0	82.4#





#25

2-Butanone

Concen: 1.41 ug/l

RT: 4.50 min Scan# 402

Delta R.T. -0.00 min

Lab File: VF059845.D

Acq: 3 Aug 2018 18:12

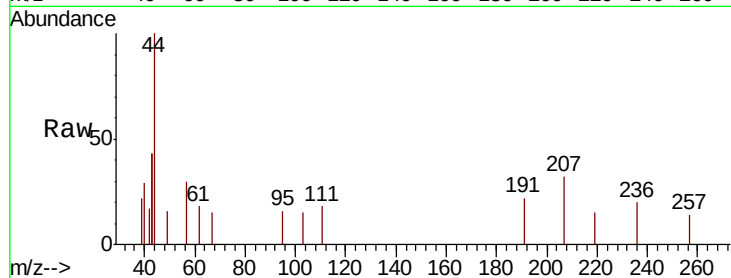
Instrument :
MSVOA_F
ClientSampleId :
EO-03-080118-ARE

Tot Ion: 43 Resp: 740

Ion Ratio Lower Upper

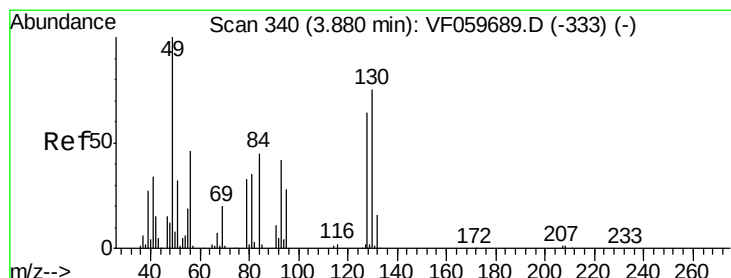
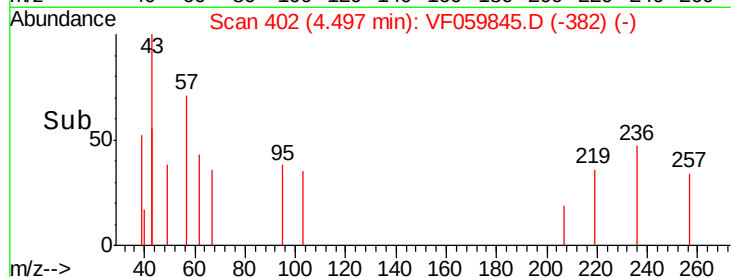
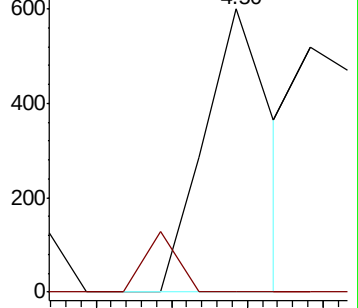
43 100

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



#28

Bromochloromethane

Concen: Below Cal

RT: 3.90 min Scan# 341

Delta R.T. 0.02 min

Lab File: VF059845.D

Acq: 3 Aug 2018 18:12

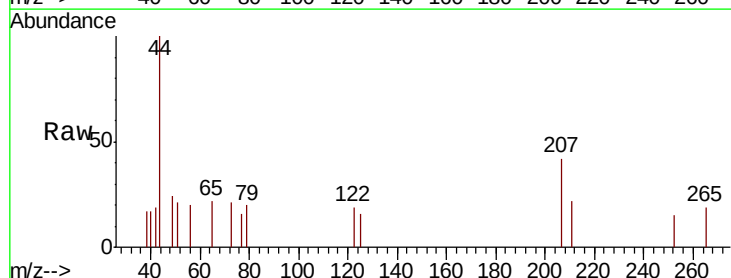
Tgt Ion: 49 Resp: 96

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

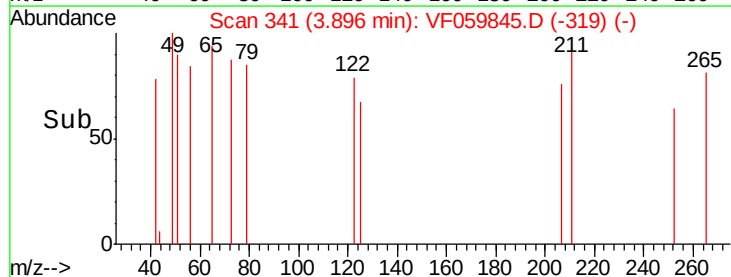
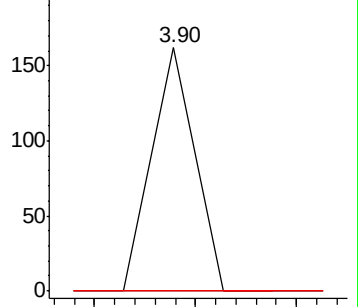
130 0.0 59.6 89.4#

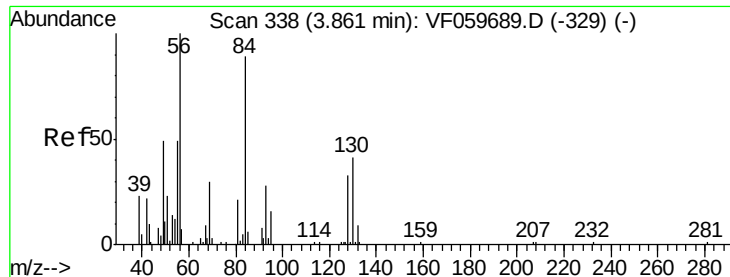


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V

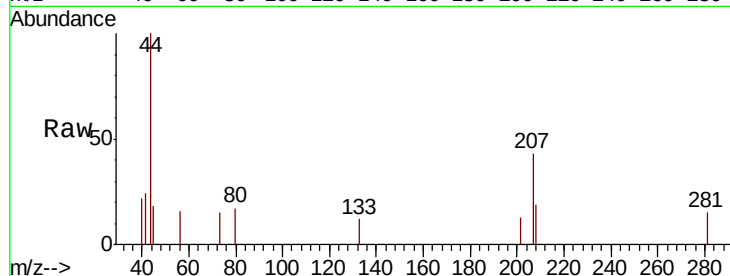




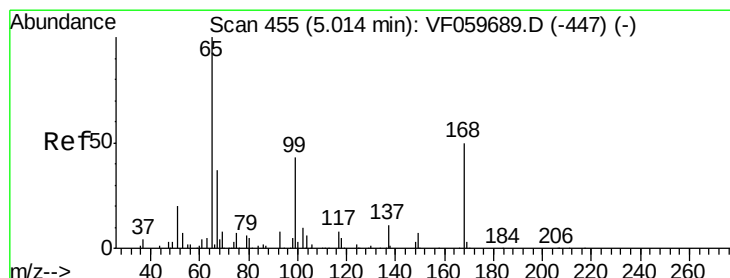
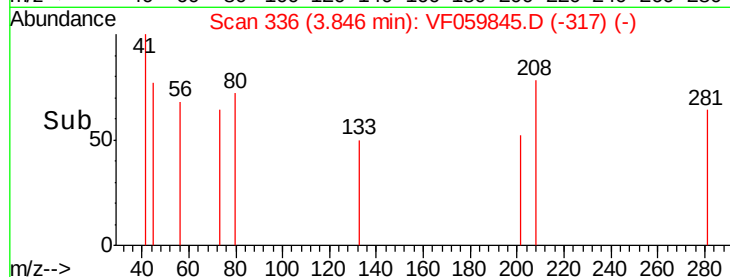
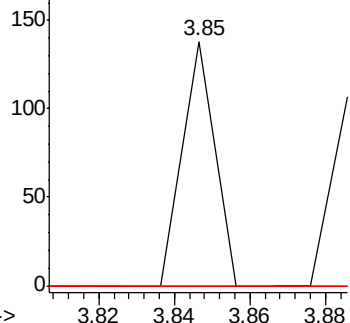
#31
Cyclohexane
Concen: Below Cal
RT: 3.85 min Scan# 336
Delta R.T. -0.01 min
Lab File: VF059845.D
Acq: 3 Aug 2018 18:12

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

Tot Ion: 56 Resp: 82
Ion Ratio Lower Upper
56 100
69 0.0 23.7 35.5#
84 0.0 71.1 106.7#

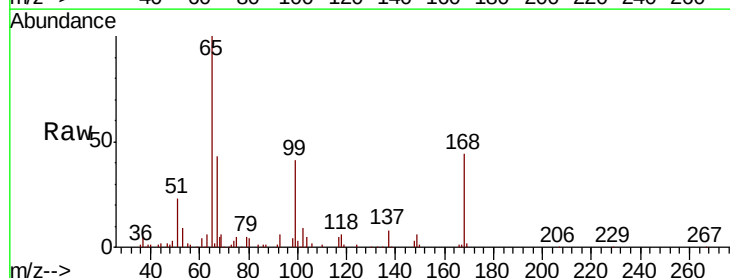


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

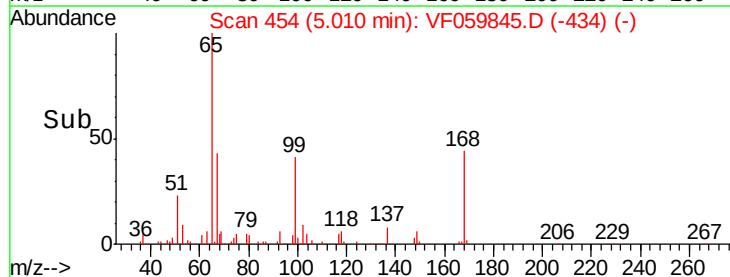
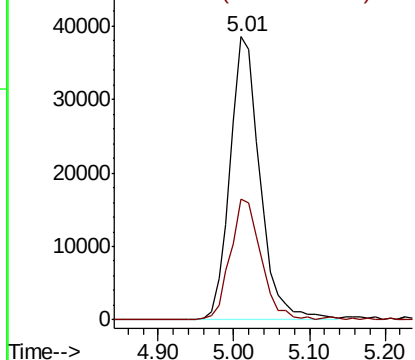


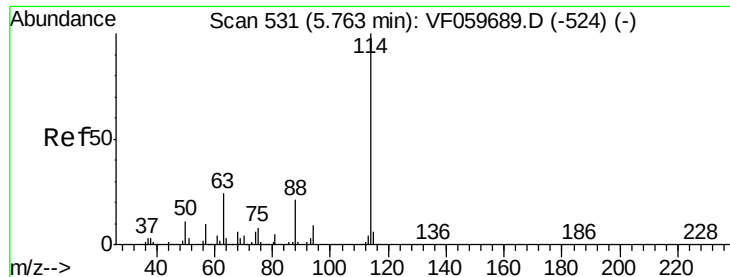
#33
1,2-Dichloroethane-d4
Concen: 40.26 ug/l
RT: 5.01 min Scan# 454
Delta R.T. -0.00 min
Lab File: VF059845.D
Acq: 3 Aug 2018 18:12

Tgt Ion: 65 Resp: 105459
Ion Ratio Lower Upper
65 100
67 42.5 0.0 84.6



Abundance Ion 65.00 (64.70 to 65.70): VF0
Ion 67.00 (66.70 to 67.70): VF0

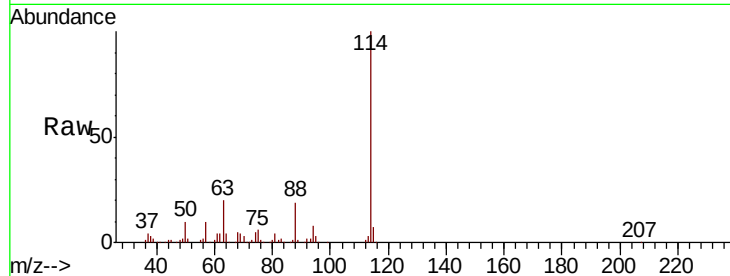




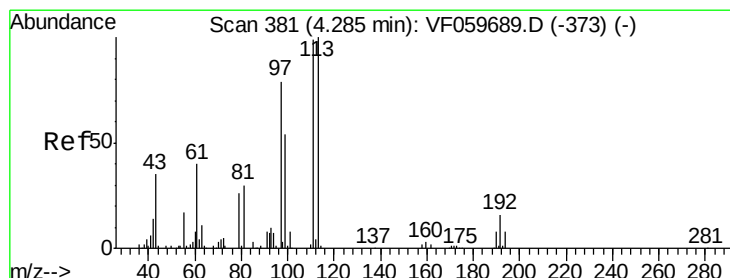
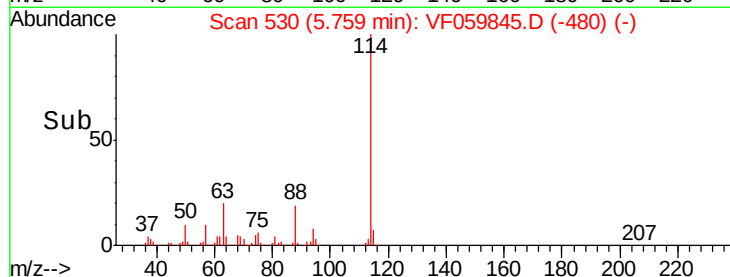
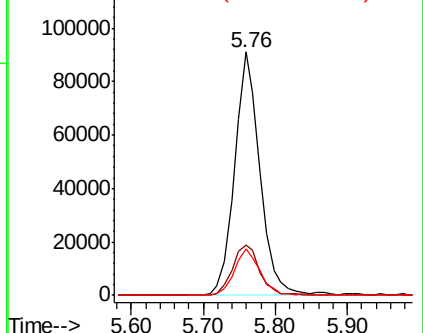
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 5.76 min Scan# 530
 Delta R.T. -0.00 min
 Lab File: VF059845.D
 Acq: 3 Aug 2018 18:12

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

Tot Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	47.4
88	19.2	0.0	41.2

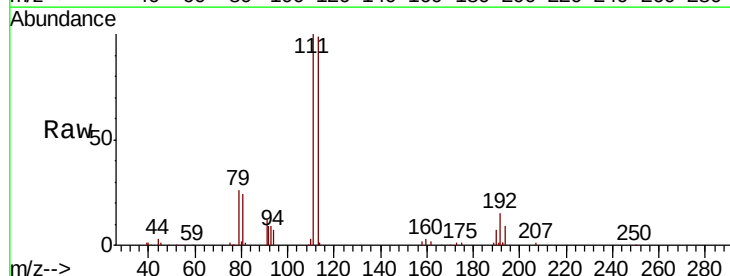


Abundance Ion 114.00 (113.70 to 114.70): V
 Ion 63.00 (62.70 to 63.70): VF0
 Ion 88.00 (87.70 to 88.70): VF0

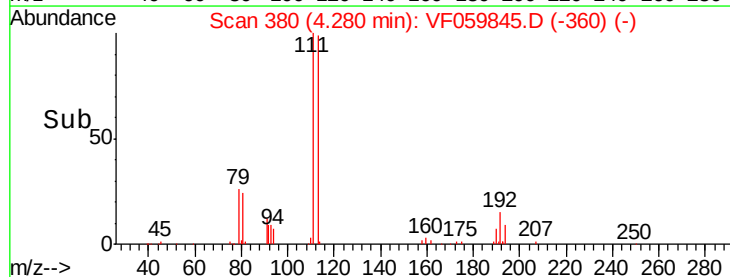
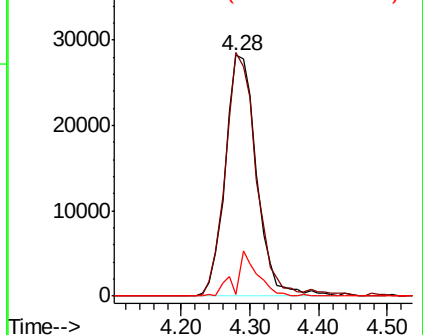


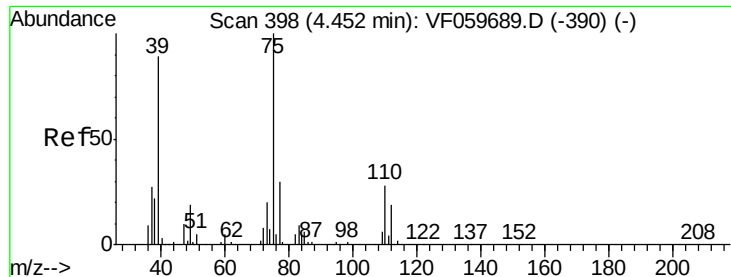
#35
 Dibromofluoromethane
 Concen: 38.38 ug/l
 RT: 4.28 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VF059845.D
 Acq: 3 Aug 2018 18:12

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.2	79.0	118.4
192	0.5	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

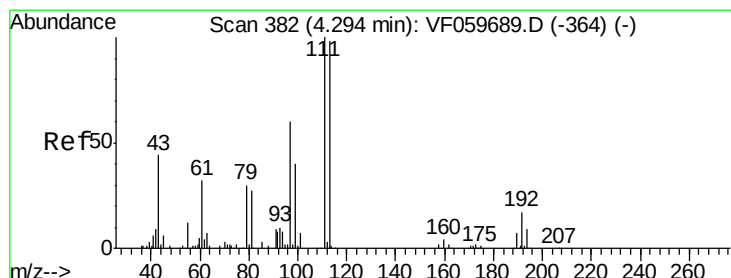
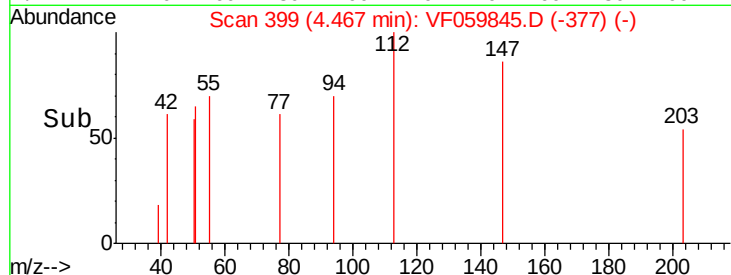
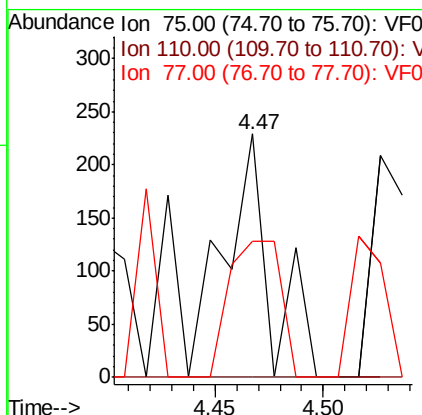
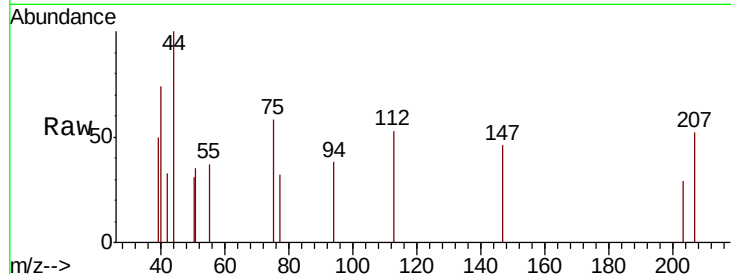




#36
1,1-Dichloropropene
Concen: Below Cal
RT: 4.47 min Scan# 399
Delta R.T. 0.02 min
Lab File: VF059845.D
Acq: 3 Aug 2018 18:12

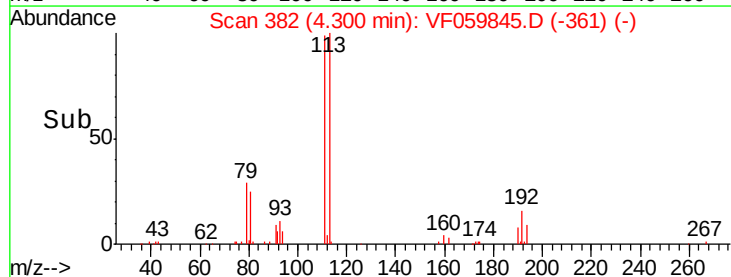
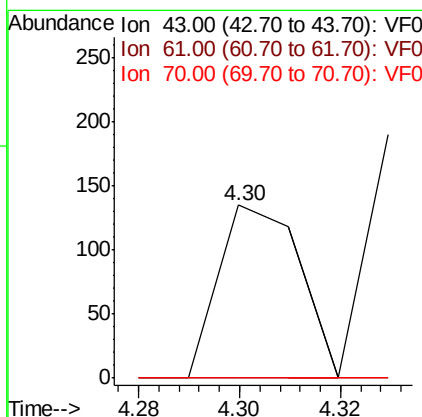
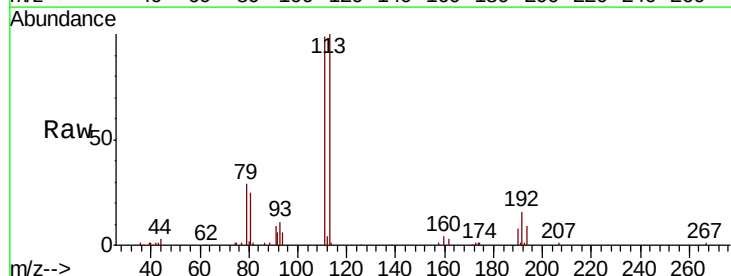
Instrument :
MSVOA_F
ClientSampleId :
EO-03-080118-ARE

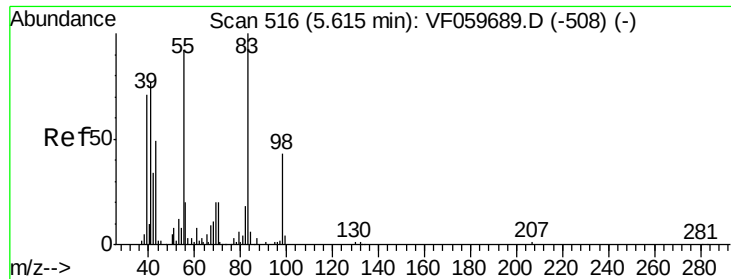
Tot Ion: 75 Resp: 344
Ion Ratio Lower Upper
75 100
110 0.0 14.0 41.9#
77 55.9 24.2 36.2#



#37
Ethyl Acetate
Concen: Below Cal
RT: 4.30 min Scan# 382
Delta R.T. 0.01 min
Lab File: VF059845.D
Acq: 3 Aug 2018 18:12

Tgt Ion: 43 Resp: 150
Ion Ratio Lower Upper
43 100
61 0.0 58.2 87.2#
70 0.0 6.0 9.0#

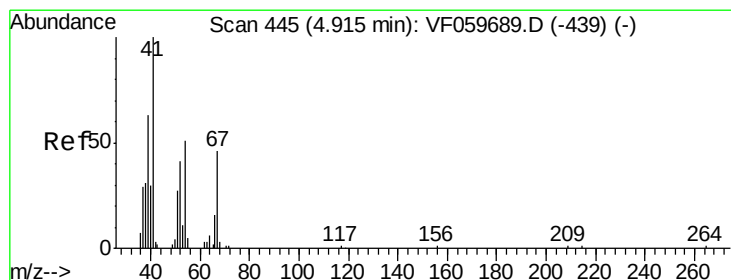
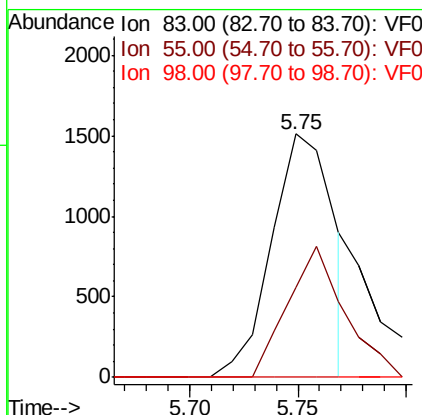
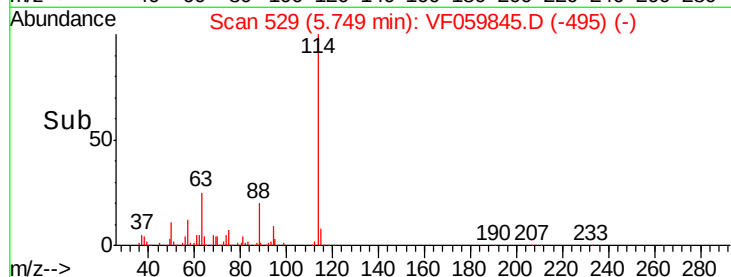
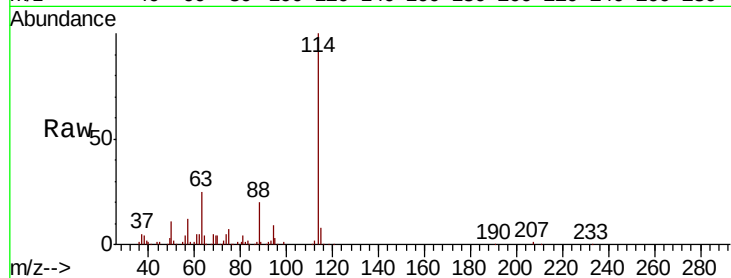




#39
Methylcyclohexane
Concen: Below Cal
RT: 5.75 min Scan# 529
Delta R.T. 0.13 min
Lab File: VF059845.D
Acq: 3 Aug 2018 18:12

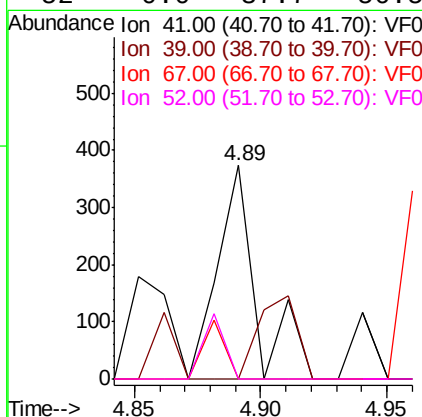
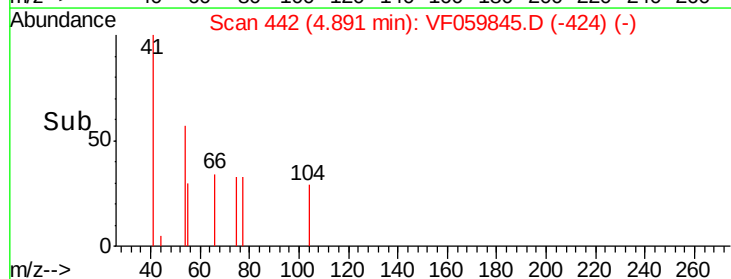
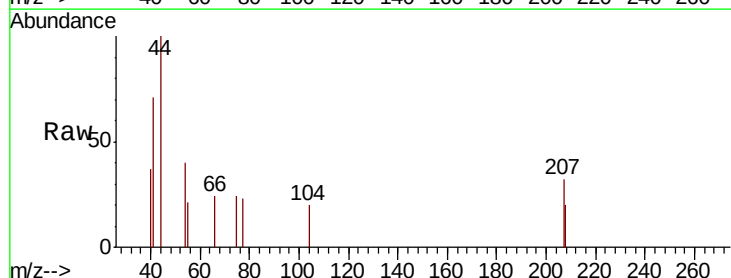
Instrument :
MSVOA_F
ClientSampleId :
EO-03-080118-ARE

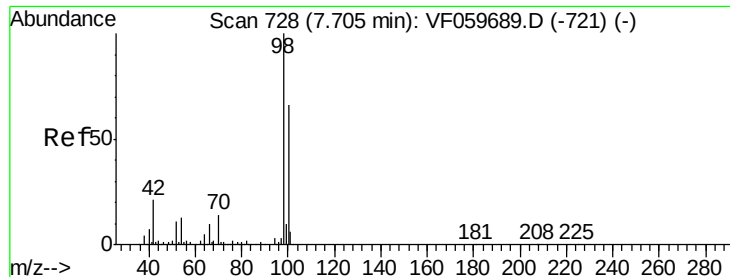
Tot Ion: 83 Resp: 3029
Ion Ratio Lower Upper
83 100
55 36.8 73.4 110.2#
98 0.0 34.2 51.4#



#41
Methacrylonitrile
Concen: Below Cal
RT: 4.89 min Scan# 442
Delta R.T. -0.02 min
Lab File: VF059845.D
Acq: 3 Aug 2018 18:12

Tgt Ion: 41 Resp: 404
Ion Ratio Lower Upper
41 100
39 0.0 55.2 82.8#
67 0.0 36.2 54.2#
52 0.0 37.7 56.5#

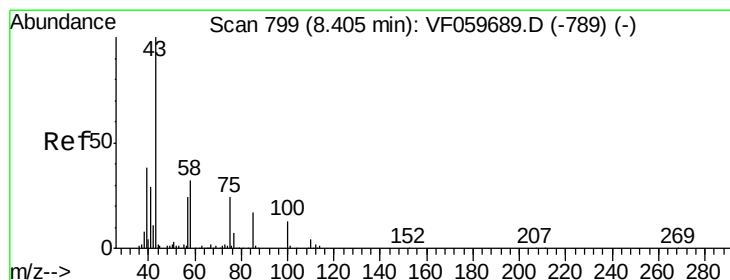
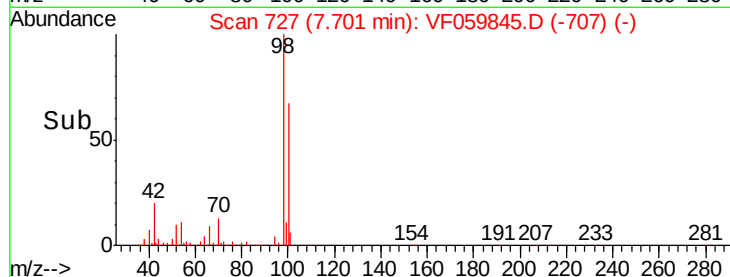
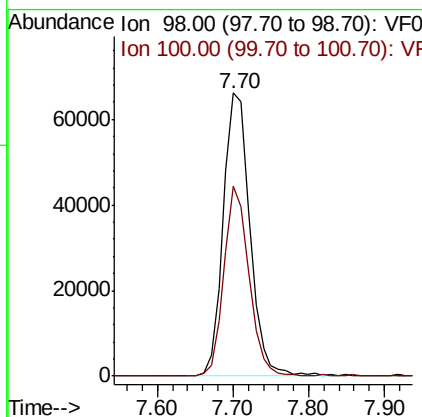
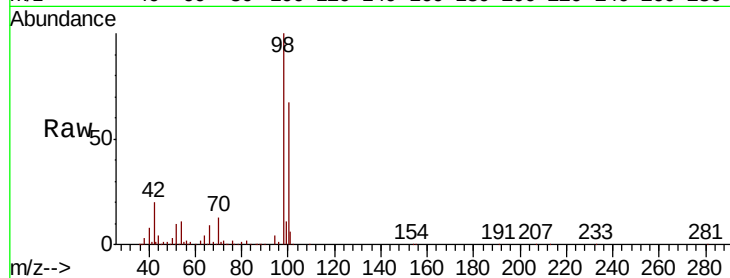




#50
Toluene-d8
Concen: 29.99 ug/l
RT: 7.70 min Scan# 727
Delta R.T. -0.00 min
Lab File: VF059845.D
Acq: 3 Aug 2018 18:12

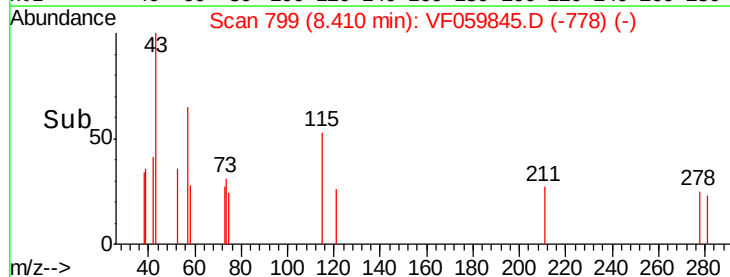
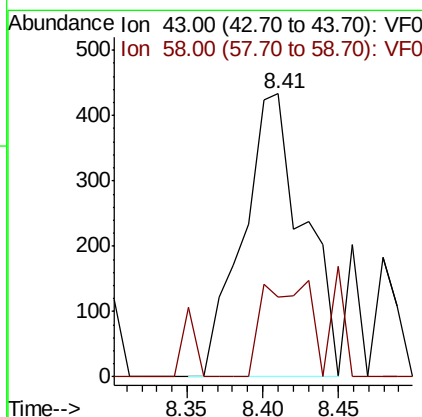
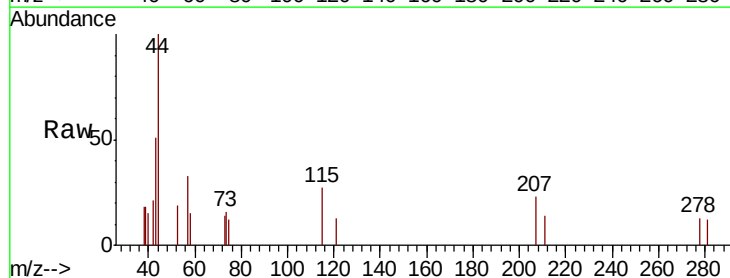
Instrument :
MSVOA_F
ClientSampleId :
EO-03-080118-ARE

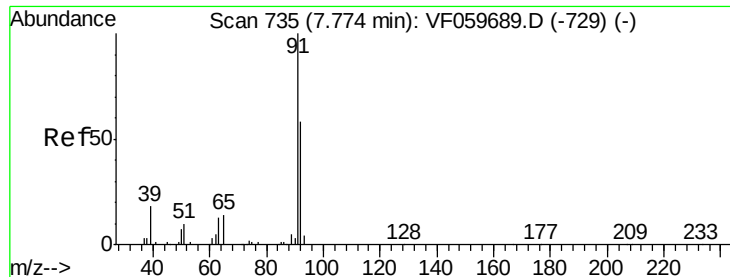
Tot Ion: 98 Resp: 162012
Ion Ratio Lower Upper
98 100
100 67.0 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 1.20 ug/l
RT: 8.41 min Scan# 799
Delta R.T. 0.01 min
Lab File: VF059845.D
Acq: 3 Aug 2018 18:12

Tgt Ion: 43 Resp: 1214
Ion Ratio Lower Upper
43 100
58 28.4 25.9 38.9





#52

Toluene

Concen: Below Cal

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059845.D

Acq: 3 Aug 2018 18:12

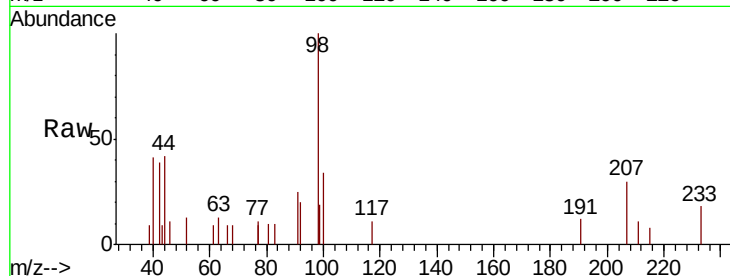
Instrument :
MSVOA_F
ClientSampleId :
EO-03-080118-ARE

Tot Ion: 92 Resp: 497

Ion Ratio Lower Upper

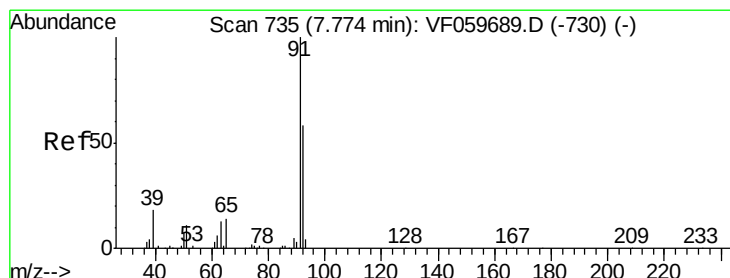
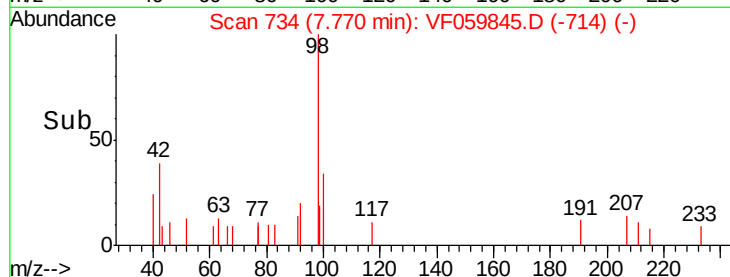
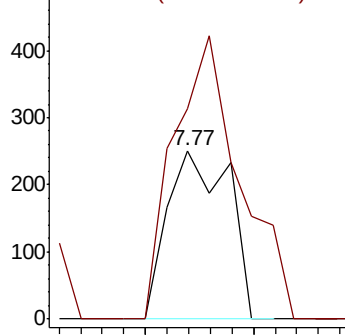
92 100

91 124.7 139.0 208.4#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0



#58

2-Chloroethyl Vinyl ether

Concen: 1.58 ug/l

RT: 7.77 min Scan# 734

Delta R.T. -0.00 min

Lab File: VF059845.D

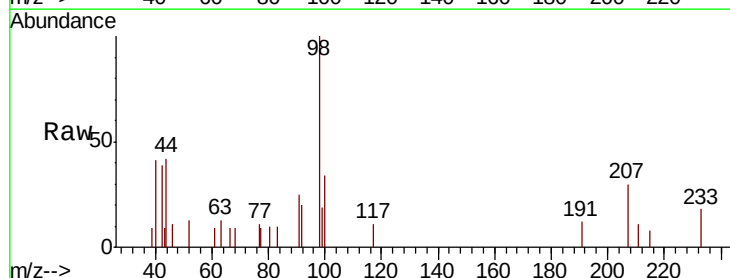
Acq: 3 Aug 2018 18:12

Tgt Ion: 63 Resp: 232

Ion Ratio Lower Upper

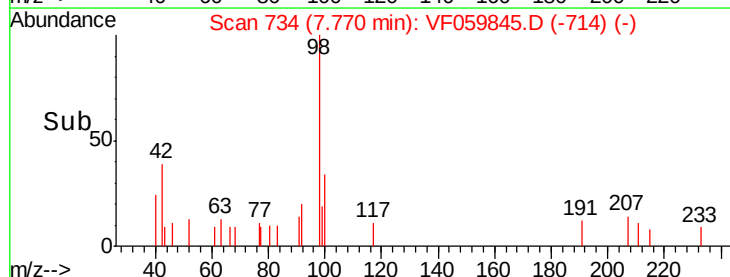
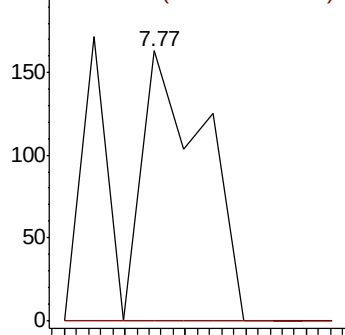
63 100

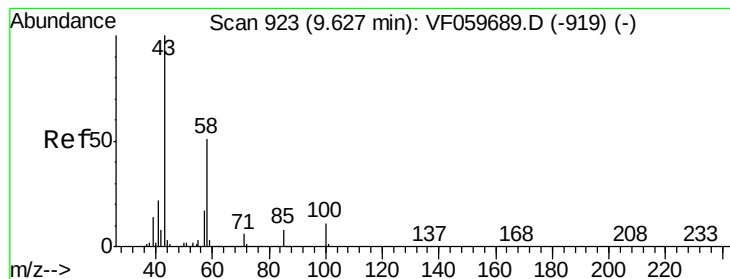
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V





#59

2-Hexanone

Concen: 1.29 ug/l

RT: 9.62 min Scan# 922

Delta R.T. -0.00 min

Lab File: VF059845.D

Acq: 3 Aug 2018 18:12

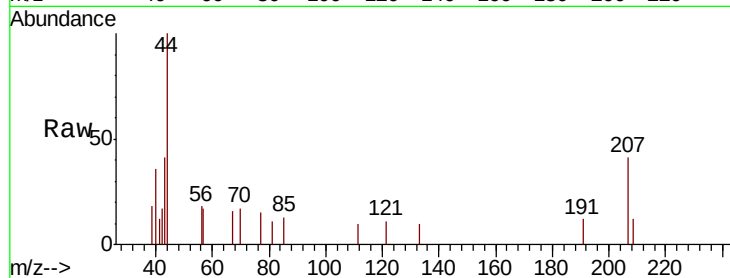
Instrument :
MSVOA_F
ClientSampleId :
EO-03-080118-ARE

Tot Ion: 43 Resp: 1046

Ion Ratio Lower Upper

43 100

58 0.0 23.3 69.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

500

400

300

200

100

0

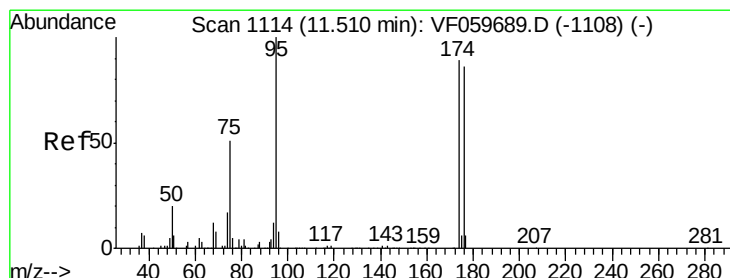
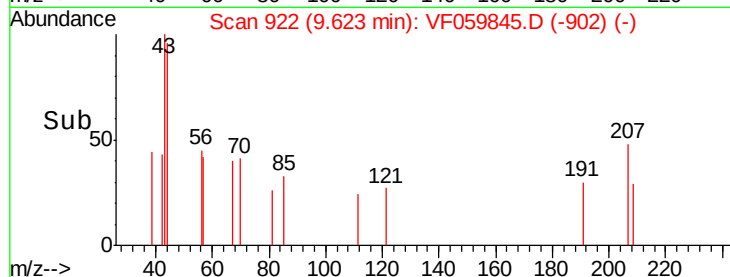
9.60

9.62

9.65

9.70

Time-->



#62

4-Bromofluorobenzene

Concen: 16.97 ug/l

RT: 11.51 min Scan# 1113

Delta R.T. -0.00 min

Lab File: VF059845.D

Acq: 3 Aug 2018 18:12

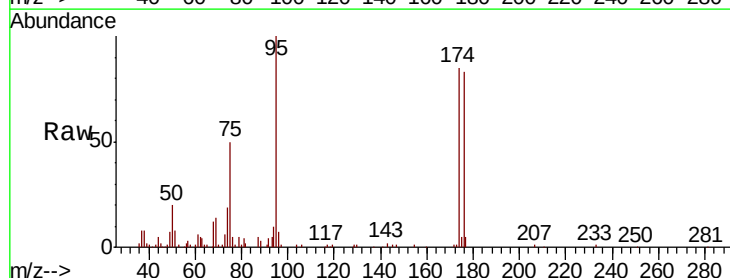
Tgt Ion: 95 Resp: 50749

Ion Ratio Lower Upper

95 100

174 85.3 0.0 178.4

176 82.7 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

40000

30000

20000

10000

0

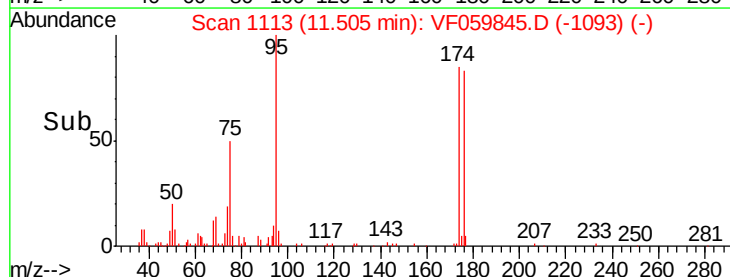
11.40

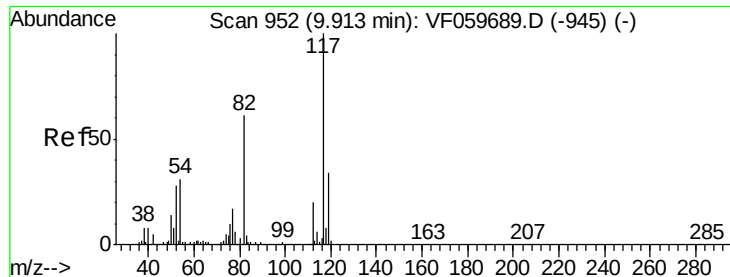
11.51

11.60

11.70

Time-->

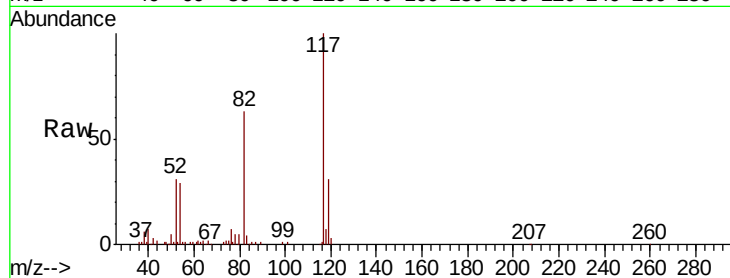




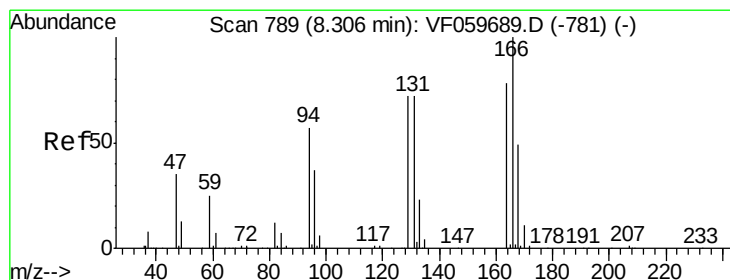
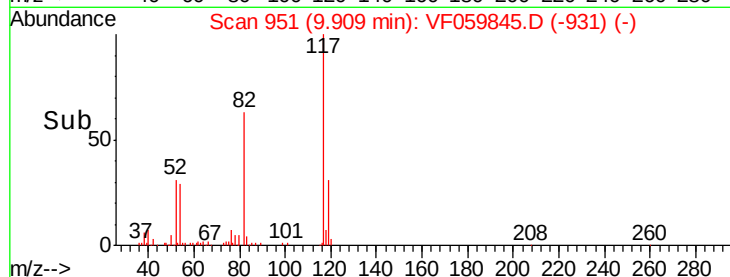
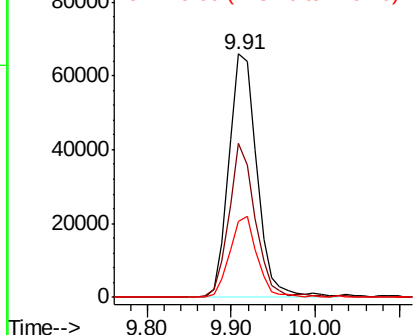
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 9.91 min Scan# 951
Delta R.T. -0.00 min
Lab File: VF059845.D
Acq: 3 Aug 2018 18:12

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

Tot Ion	Ratio	Lower	Upper
117	100		
82	63.3	49.0	73.4
119	31.3	27.3	40.9

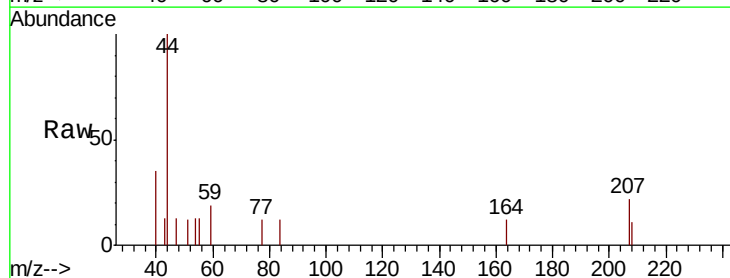


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

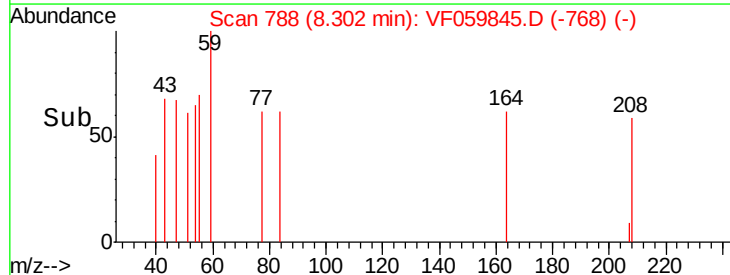
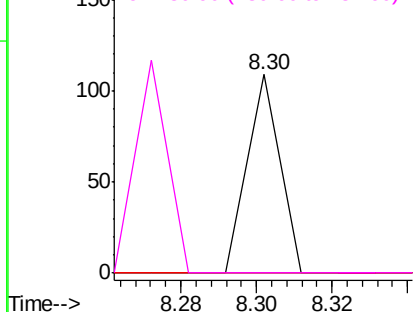


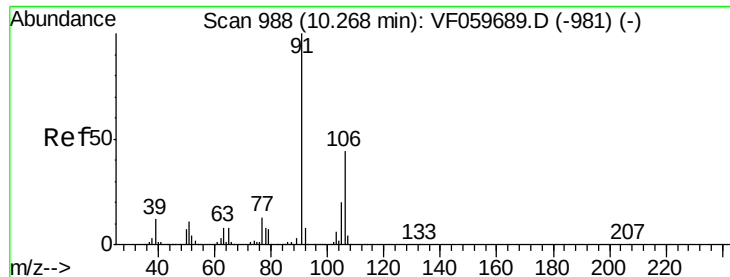
#64
Tetrachloroethene
Concen: Below Cal
RT: 8.30 min Scan# 788
Delta R.T. -0.00 min
Lab File: VF059845.D
Acq: 3 Aug 2018 18:12

Tgt 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

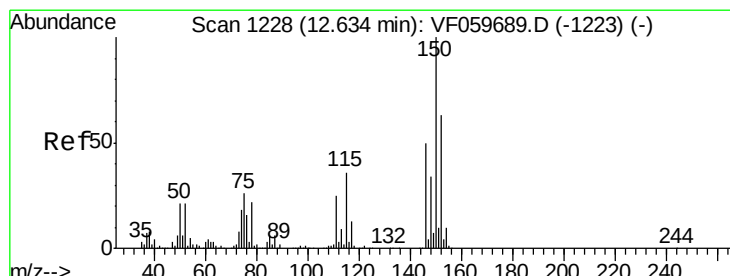
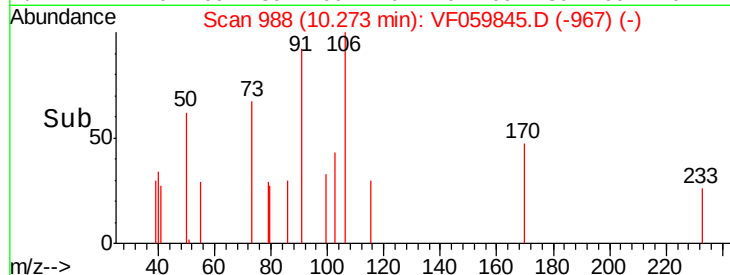
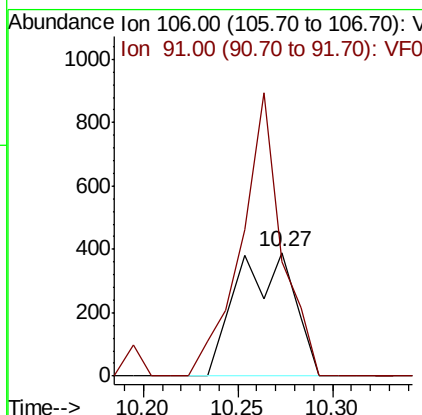
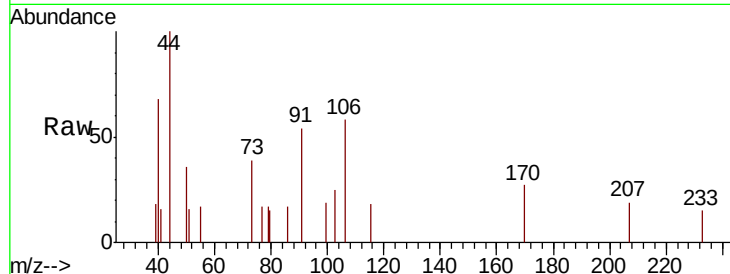




#68
m/p-Xvlenes
Concen: Below Cal
RT: 10.27 min Scan# 988
Delta R.T. 0.01 min
Lab File: VF059845.D
Acq: 3 Aug 2018 18:12

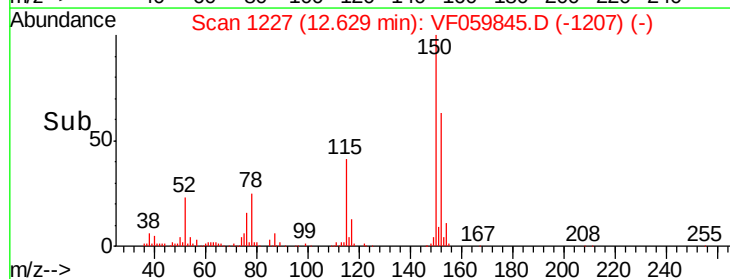
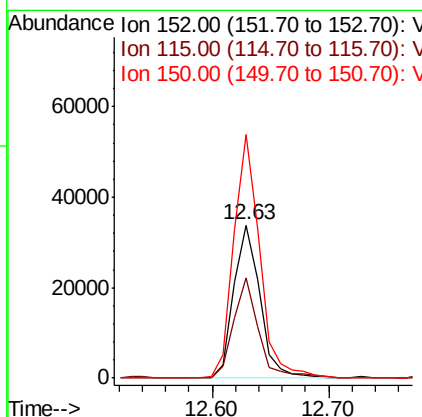
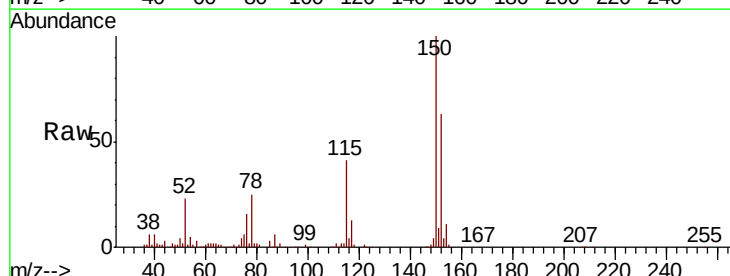
Instrument :
MSVOA_F
ClientSampleId :
EO-03-080118-ARE

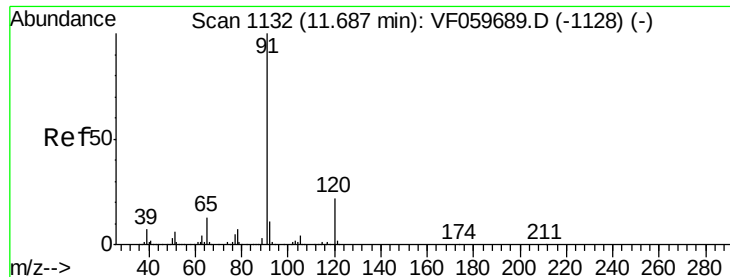
Tot Ion:106 Resp: 819
Ion Ratio Lower Upper
106 100
91 92.3 181.7 272.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.63 min Scan# 1227
Delta R.T. -0.00 min
Lab File: VF059845.D
Acq: 3 Aug 2018 18:12

Tgt Ion:152 Resp: 52839
Ion Ratio Lower Upper
152 100
115 65.2 28.2 84.6
150 159.1 0.0 316.2





#78

n-propylbenzene

Concen: Below Cal

RT: 11.68 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VF059845.D

Acq: 3 Aug 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

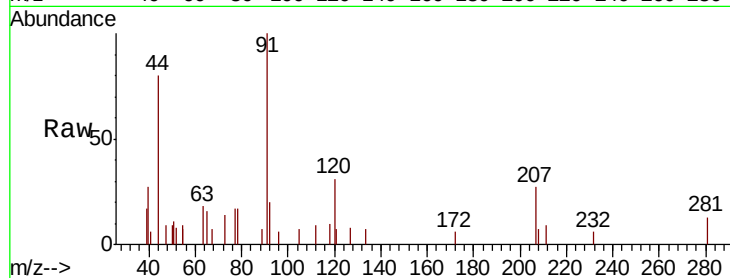
EO-03-080118-ARE

Tot Ion: 91 Resp: 2601

Ion Ratio Lower Upper

91 100

120 30.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

11.68

1500

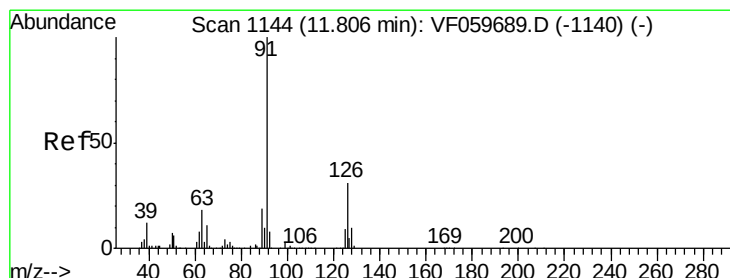
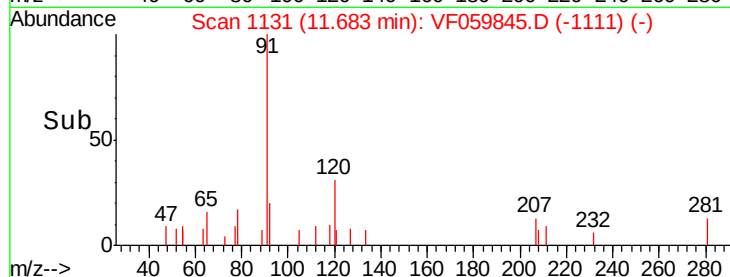
1000

500

0

11.65 11.70

Time-->



#79

2-Chlorotoluene

Concen: Below Cal

RT: 11.80 min Scan# 1143

Delta R.T. -0.00 min

Lab File: VF059845.D

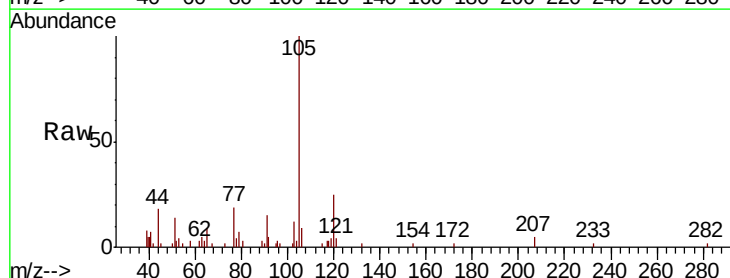
Acq: 3 Aug 2018 18:12

Tgt Ion: 91 Resp: 2100

Ion Ratio Lower Upper

91 100

126 0.0 15.4 46.2#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

11.80

1000

800

600

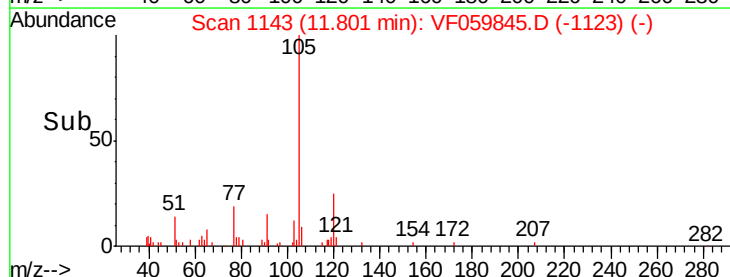
400

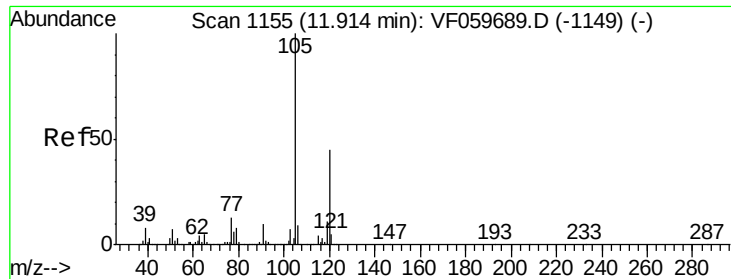
200

0

11.75 11.80 11.85

Time-->

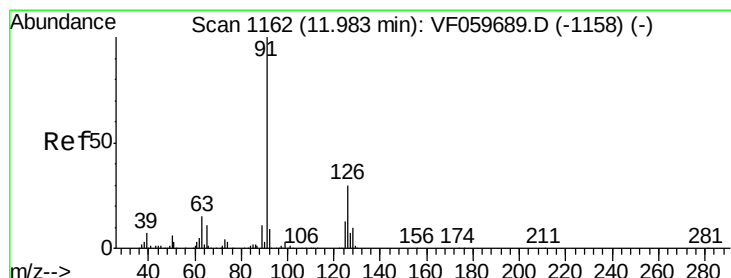
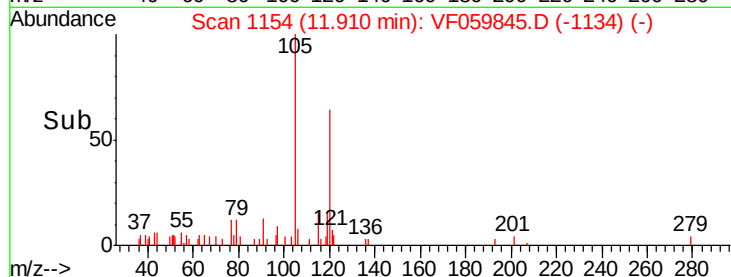
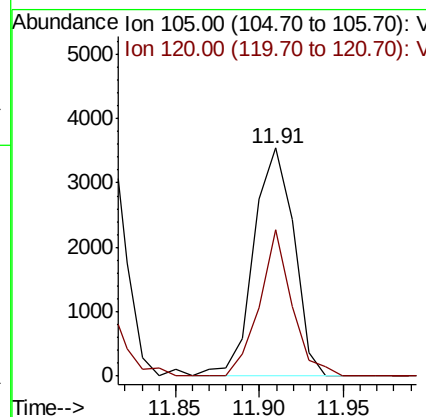
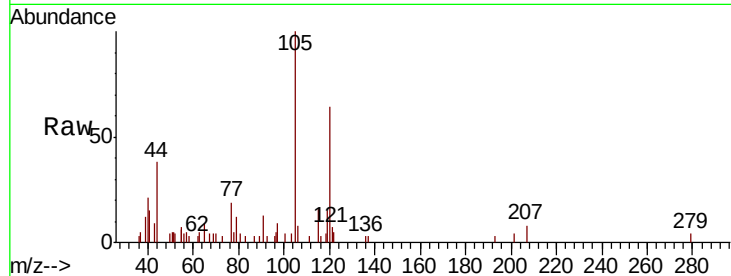




#80
 1,3,5-Trimethylbenzene
 Concen: Below Cal
 RT: 11.91 min Scan# 1154
 Delta R.T. -0.00 min
 Lab File: VF059845.D
 Acq: 3 Aug 2018 18:12

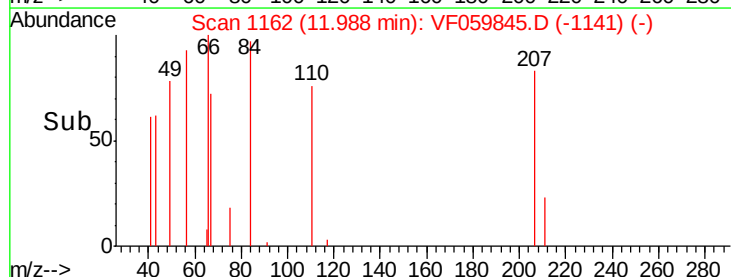
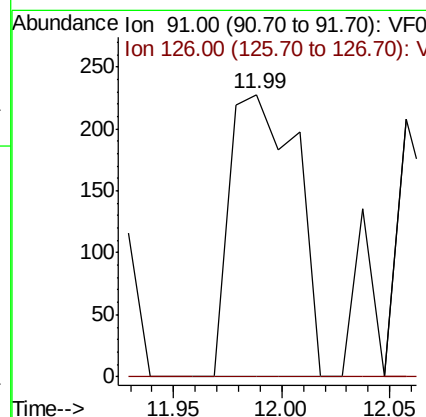
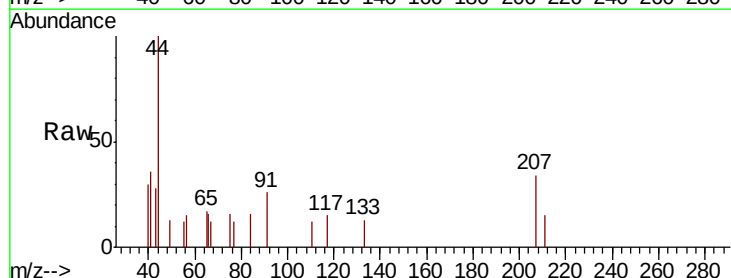
Instrument :
 MSVOA_F
 ClientSampleId :
 EO-03-080118-ARE

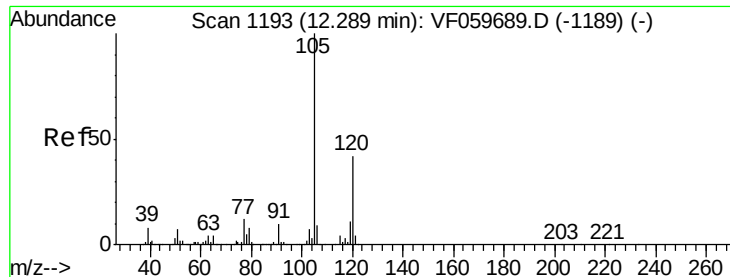
Tot Ion:105 Resp: 5848
 Ion Ratio Lower Upper
 105 100
 120 64.0 22.7 68.0



#82
 4-Chlorotoluene
 Concen: Below Cal
 RT: 11.99 min Scan# 1162
 Delta R.T. 0.01 min
 Lab File: VF059845.D
 Acq: 3 Aug 2018 18:12

Tgt Ion: 91 Resp: 490
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.2 45.6#

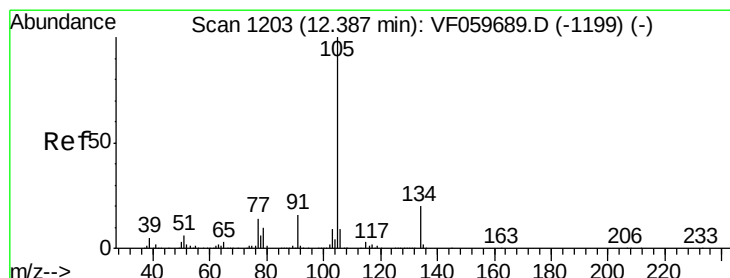
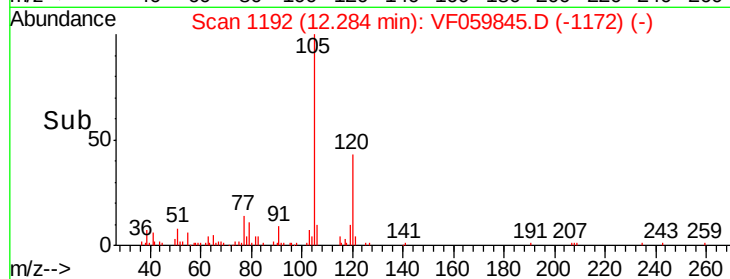
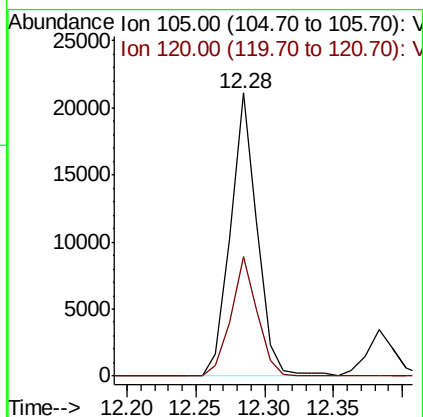
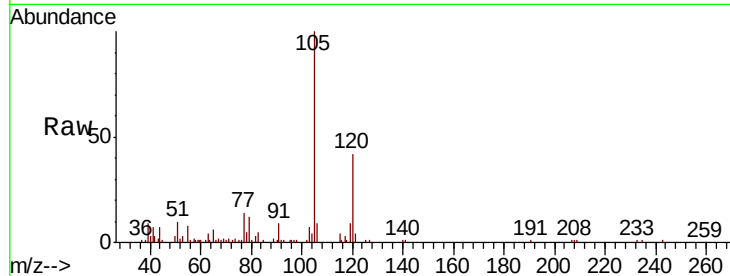




#84
 1,2,4-Trimethylbenzene
 Concen: 6.19 ug/l
 RT: 12.28 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VF059845.D
 Acq: 3 Aug 2018 18:12

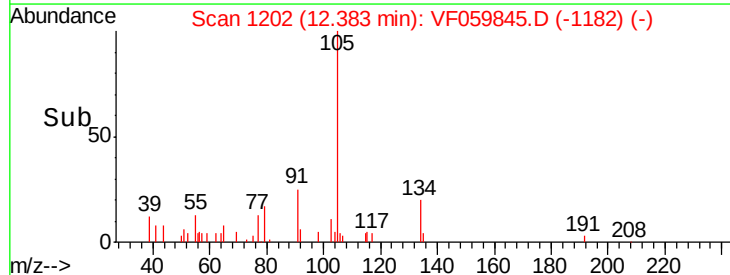
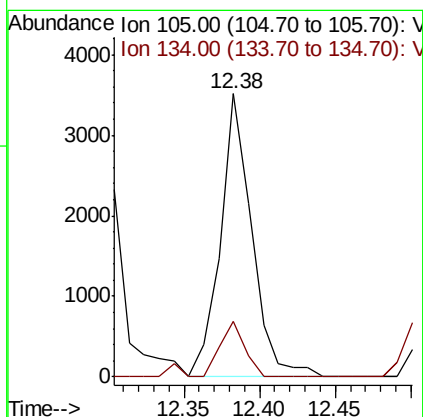
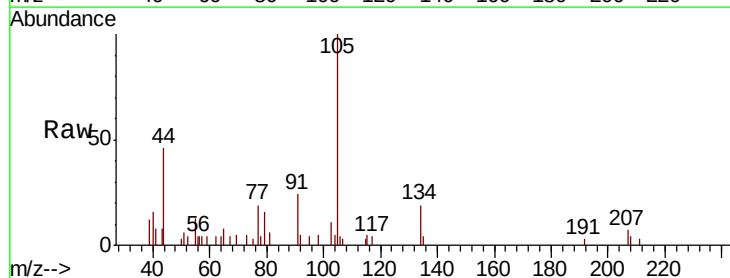
Instrument :
 MSVOA_F
 ClientSampleId :
 EO-03-080118-ARE

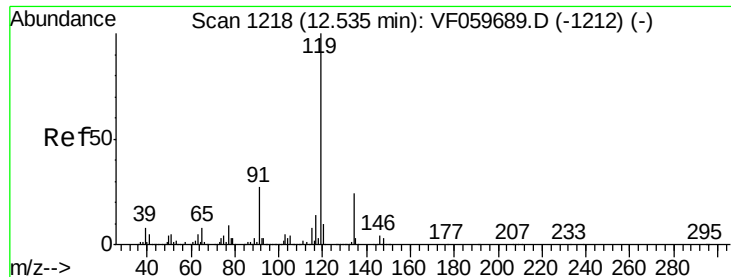
Tot Ion:105 Resp: 28345
 Ion Ratio Lower Upper
 105 100
 120 42.0 21.1 63.3



#85
 sec-Butylbenzene
 Concen: Below Cal
 RT: 12.38 min Scan# 1202
 Delta R.T. -0.00 min
 Lab File: VF059845.D
 Acq: 3 Aug 2018 18:12

Tgt Ion:105 Resp: 5072
 Ion Ratio Lower Upper
 105 100
 134 19.4 9.8 29.3

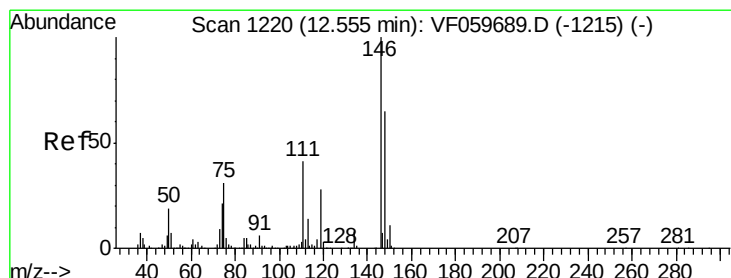
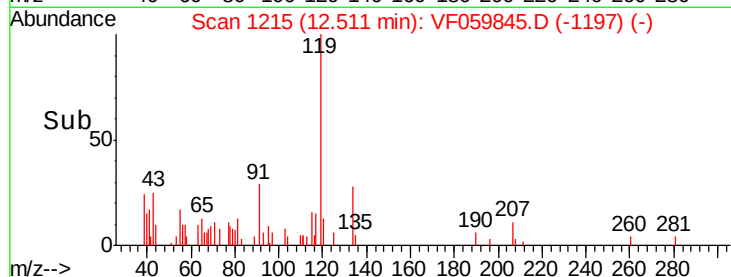
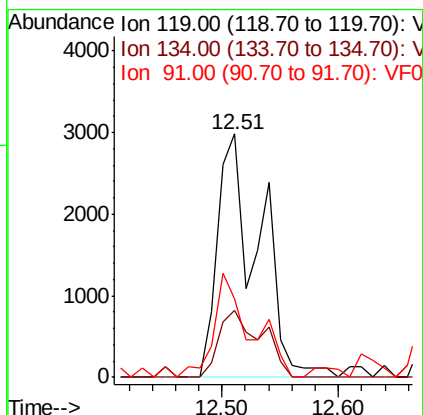
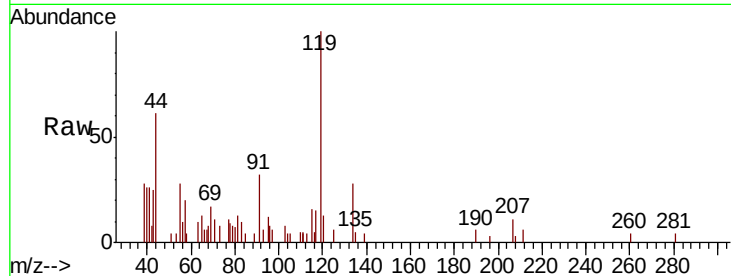




#86
 p-Isopropyltoluene
 Concen: Below Cal
 RT: 12.51 min Scan# 1215
 Delta R.T. -0.02 min
 Lab File: VF059845.D
 Acq: 3 Aug 2018 18:12

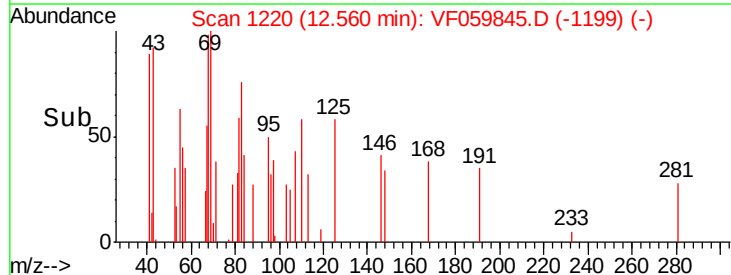
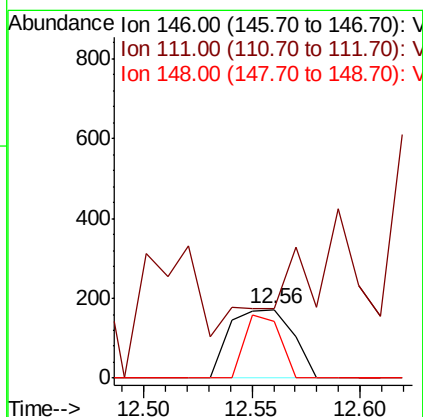
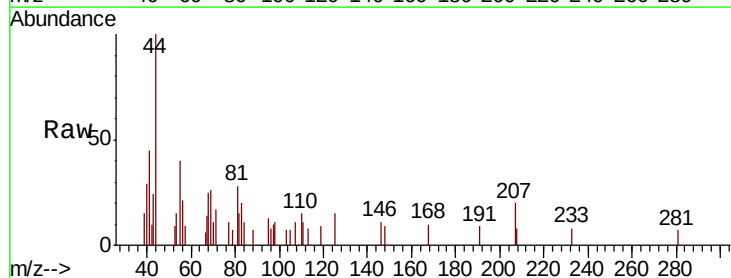
Instrument :
 MSVOA_F
 ClientSampleId :
 EO-03-080118-ARE

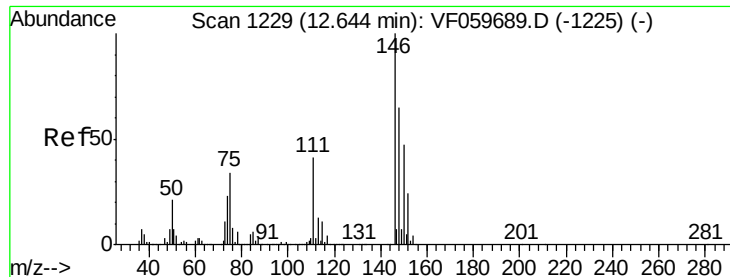
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.7	12.2	36.6
91	32.4	13.4	40.2



#87
 1,3-Dichlorobenzene
 Concen: Below Cal
 RT: 12.56 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VF059845.D
 Acq: 3 Aug 2018 18:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	101.2	20.7	62.1#
148	83.1	32.3	96.8

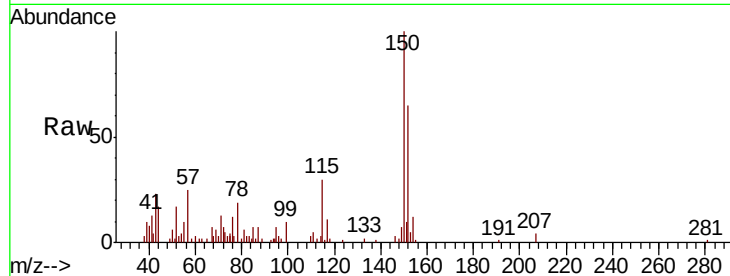




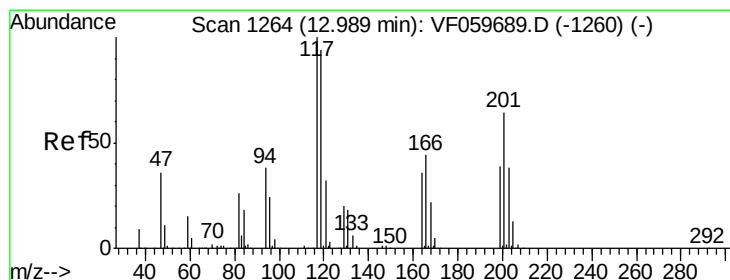
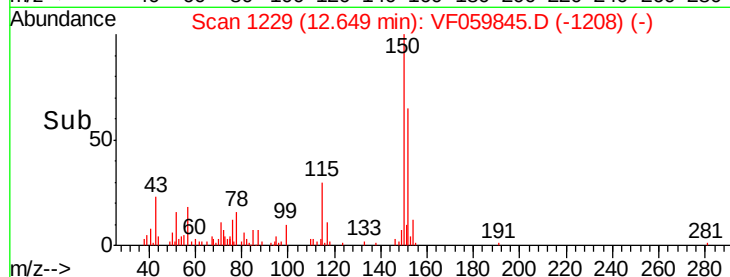
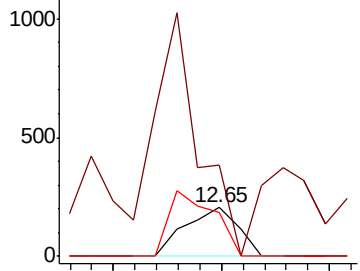
#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 12.65 min Scan# 1229
 Delta R.T. 0.01 min
 Lab File: VF059845.D
 Acq: 3 Aug 2018 18:12

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

Tot Ion:146 Resp: 350
 Ion Ratio Lower Upper
 146 100
 111 187.4 20.8 62.2#
 148 89.3 32.3 96.9

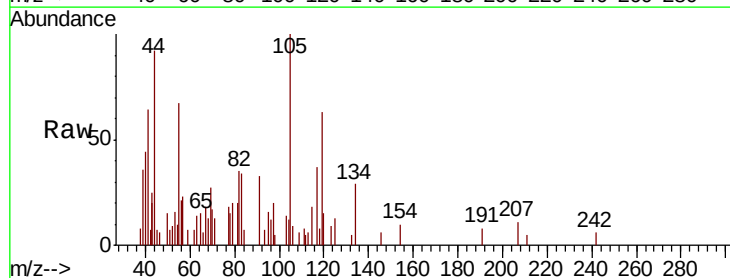


Abundance Ion 146.00 (145.70 to 146.70): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

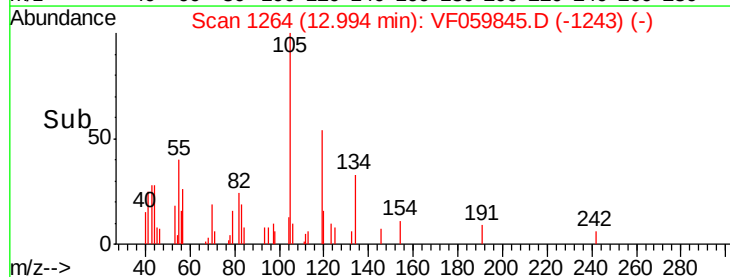
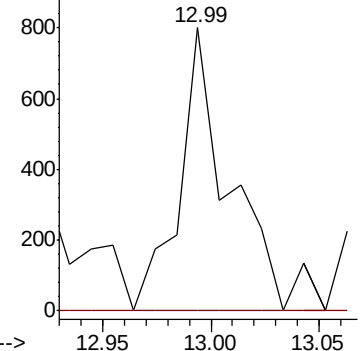


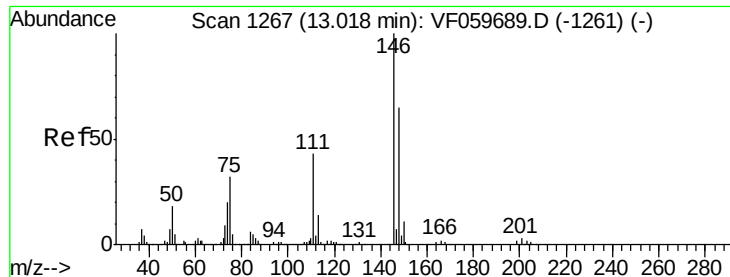
#90
 Hexachloroethane
 Concen: 1.42 ug/l
 RT: 12.99 min Scan# 1264
 Delta R.T. 0.01 min
 Lab File: VF059845.D
 Acq: 3 Aug 2018 18:12

Tgt Ion:117 Resp: 1238
 Ion Ratio Lower Upper
 117 100
 201 0.0 31.9 95.5#



Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 201.00 (200.70 to 201.70): V





#91

1,2-Dichlorobenzene

Concen: Below Cal

RT: 13.01 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VF059845.D

Acq: 3 Aug 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

EO-03-080118-ARE

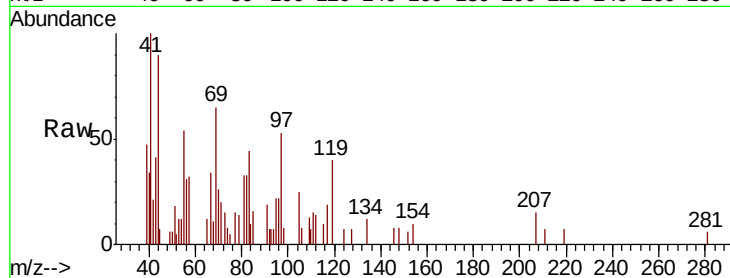
Tot Ion:146 Resp: 88

Ion Ratio Lower Upper

146 100

111 200.0 21.6 65.0#

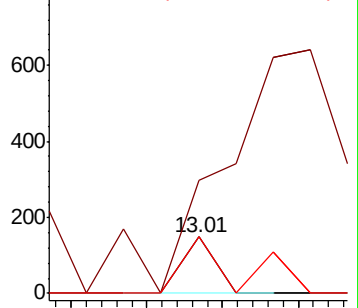
148 100.0 32.3 96.9#



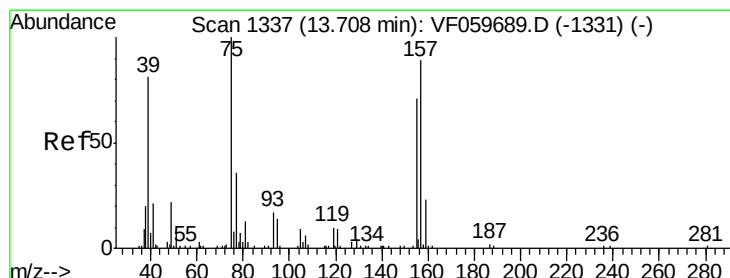
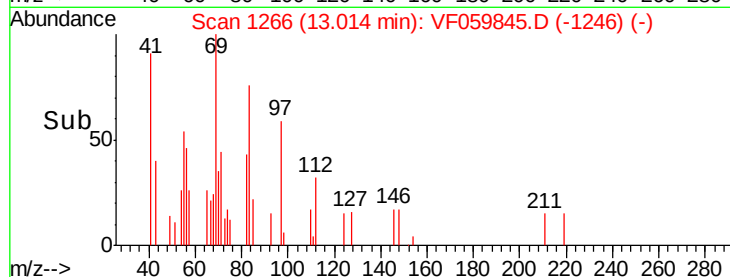
Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.43 ug/l

RT: 13.67 min Scan# 1333

Delta R.T. -0.03 min

Lab File: VF059845.D

Acq: 3 Aug 2018 18:12

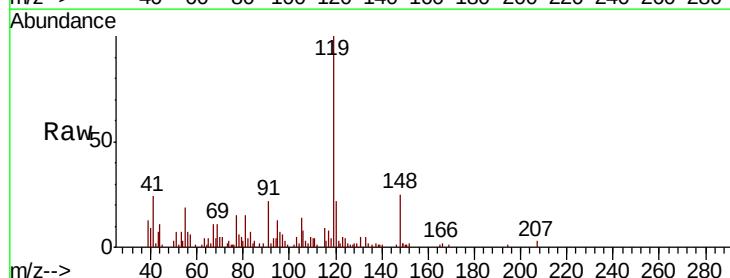
Tgt Ion: 75 Resp: 548

Ion Ratio Lower Upper

75 100

155 0.0 35.4 106.2#

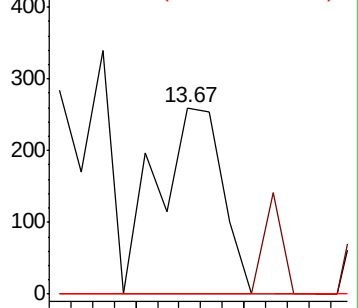
157 0.0 44.4 133.2#



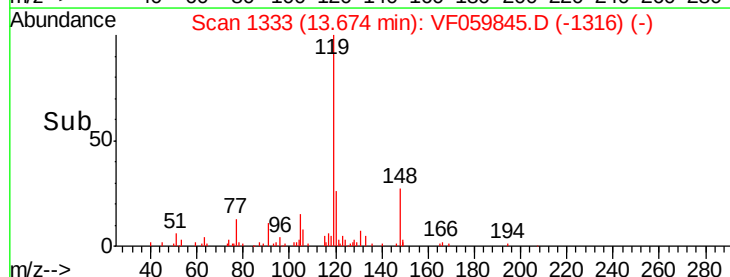
Abundance Ion 75.00 (74.70 to 75.70): VF0

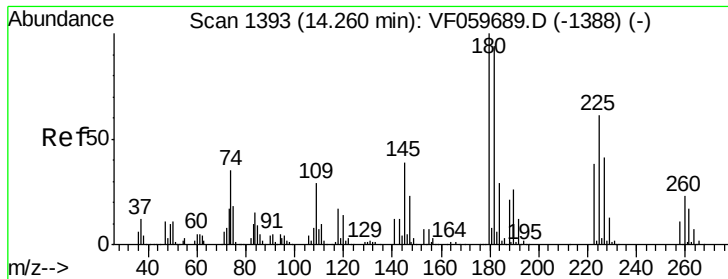
Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V



Time-->

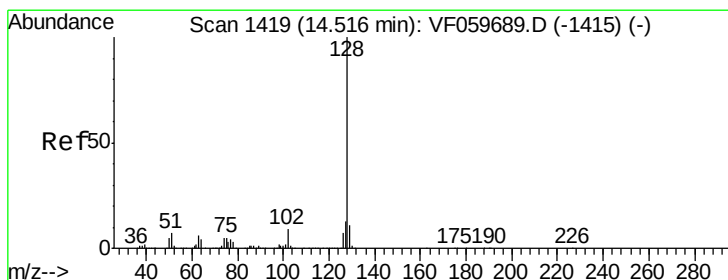
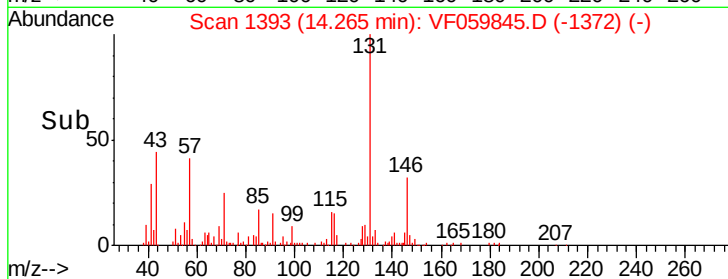
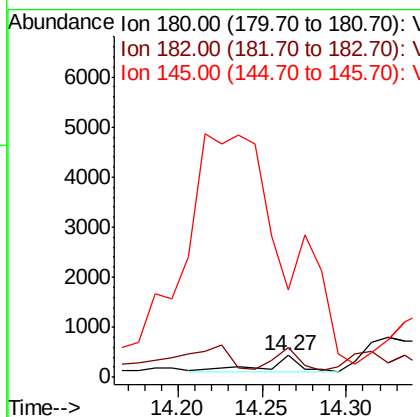
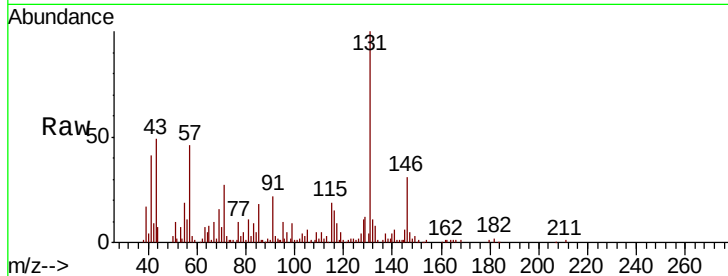




#93
 1,2,4-Trichlorobenzene
 Concen: Below Cal
 RT: 14.27 min Scan# 1393
 Delta R.T. 0.01 min
 Lab File: VF059845.D
 Acq: 3 Aug 2018 18:12

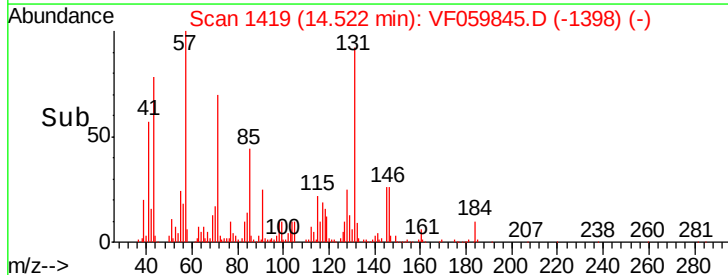
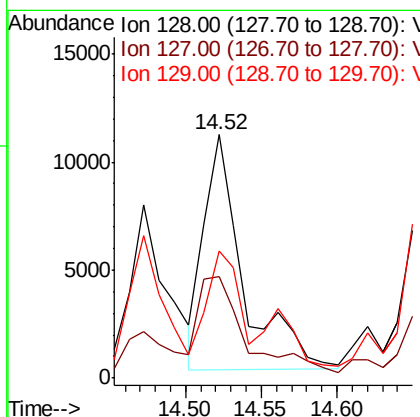
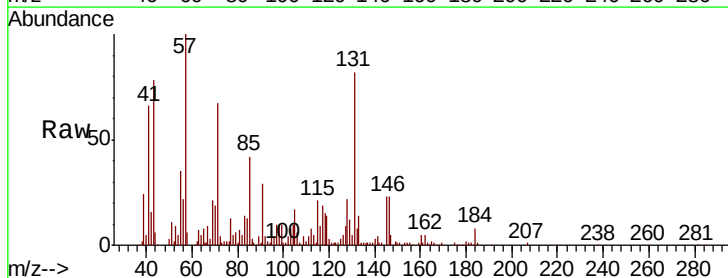
Instrument :
 MSVOA_F
 ClientSampleId :
 EO-03-080118-ARE

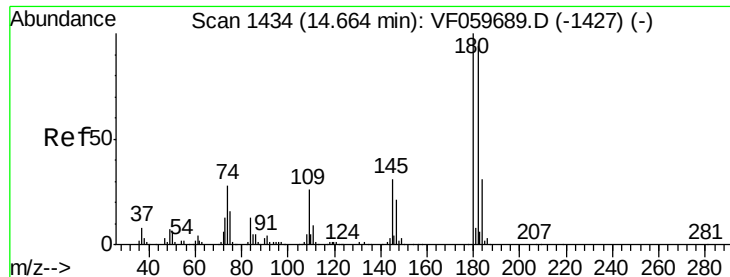
Tot Ion	Ratio	Lower	Upper
180	100		
182	137.8	47.2	141.6
145	401.8	19.3	57.9#



#95
 Naphthalene
 Concen: 8.75 ug/l
 RT: 14.52 min Scan# 1419
 Delta R.T. 0.01 min
 Lab File: VF059845.D
 Acq: 3 Aug 2018 18:12

Tgt Ion	Ratio	Lower	Upper
128	100		
127	41.8	10.0	15.0#
129	52.4	8.6	13.0#





#96

1,2,3-Trichlorobenzene

Concen: 3.00 ug/l

RT: 14.69 min Scan# 1436

Delta R.T. 0.03 min

Lab File: VF059845.D

Acq: 3 Aug 2018 18:12

Instrument :

MSVOA_F

ClientSampleId :

EO-03-080118-ARE

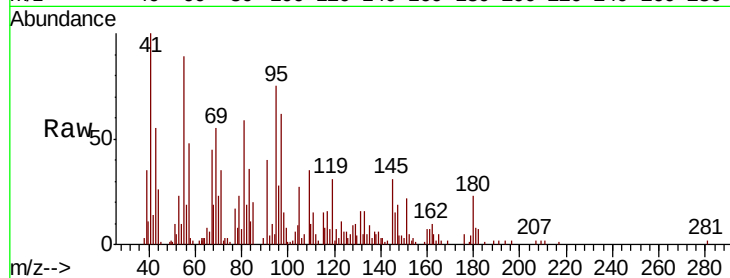
Tot Ion:180 Resp: 3779

Ion Ratio Lower Upper

180 100

182 29.4 47.2 141.6#

145 135.7 15.6 46.7#



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

