

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059739.D
 Acq On : 1 Aug 2018 6:54
 Operator : VA/AP
 Sample : J4140-01RE
 Misc : 23.17g/5mL/MSVOA F/SOIL
 ALS Vial : 100 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EPE-F-8(75-77)RE

Quant Time: Aug 01 07:39:54 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	69	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	0.00	114	0	0.00	ug/l	-5.76
63) Chlorobenzene-d5	9.86	117	77	50.00	ug/l	-0.05
72) 1,4-Dichlorobenzene-d4	12.72	152	82	50.00	ug/l	0.09

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
35) Dibromofluoromethane	0.00	113	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.13	85	62	83.682	ug/l #	44
3) Chloromethane	1.09	50	221	606.317	ug/l #	38
4) Vinyl Chloride	1.16	62	74	182.661	ug/l #	47
5) Bromomethane	1.35	94	69	209.841	ug/l #	4
6) Chloroethane	1.43	64	76	315.001	ug/l #	35
9) 1,1,2-Trichlorotrifluoroet	1.81	101	70	103.723	ug/l #	22
11) Tert butyl alcohol	2.66	59	87	1748.739	ug/l #	74
12) 1,1-Dichloroethene	1.80	96	64	119.773	ug/l #	1
13) Acrolein	2.24	56	66	2374.209	ug/l #	4
14) Allyl chloride	2.10	41	187	219.189	ug/l #	1
15) Acrylonitrile	3.01	53	61	761.195	ug/l #	7
16) Acetone	2.31	43	220	986.315	ug/l #	68
18) Methyl Acetate	2.44	43	146	462.674	ug/l #	64
19) Methyl tert-butyl Ether	2.60	73	63	38.662	ug/l #	60
20) Methylene Chloride	2.42	84	67	152.279	ug/l #	6
21) trans-1,2-Dichloroethene	2.28	96	94	209.054	ug/l #	1
22) Diisopropyl ether	2.90	45	95	52.656	ug/l #	41
23) Vinyl Acetate	3.32	43	140	150.933	ug/l #	83
24) 1,1-Dichloroethane	3.00	63	77	61.431	ug/l #	91
25) 2-Butanone	4.41	43	70	281.208	ug/l #	74
26) 2,2-Dichloropropane	3.69	77	170	190.256	ug/l #	66
27) cis-1,2-Dichloroethene	3.70	96	82	122.166	ug/l #	1
28) Bromochloromethane	4.00	49	63	153.800	ug/l #	15
29) Tetrahydrofuran	4.20	42	91	951.157	ug/l #	39
31) Cyclohexane	3.87	56	134	235.903	ug/l #	15
32) 1,1,1-Trichloroethane	4.21	97	60	43.725	ug/l #	22
67) Ethyl Benzene	9.88	91	69	25.891	ug/l #	46
71) Bromoform	10.90	173	68	145.116	ug/l #	30
73) Isopropylbenzene	11.23	105	69	12.824	ug/l #	50
74) N-amyl acetate	11.41	43	64	47.148	ug/l #	48
76) 1,2,3-Trichloropropane	11.93	75	72	83.602	ug/l #	39
77) Bromobenzene	11.56	156	96	68.328	ug/l #	1
78) n-propylbenzene	11.64	91	63	7.127	ug/l #	54
79) 2-Chlorotoluene	11.91	91	82	21.086	ug/l #	44

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QLast Update : Tue Jul 31 15:23:22 2018
Response via : Initial Calibration

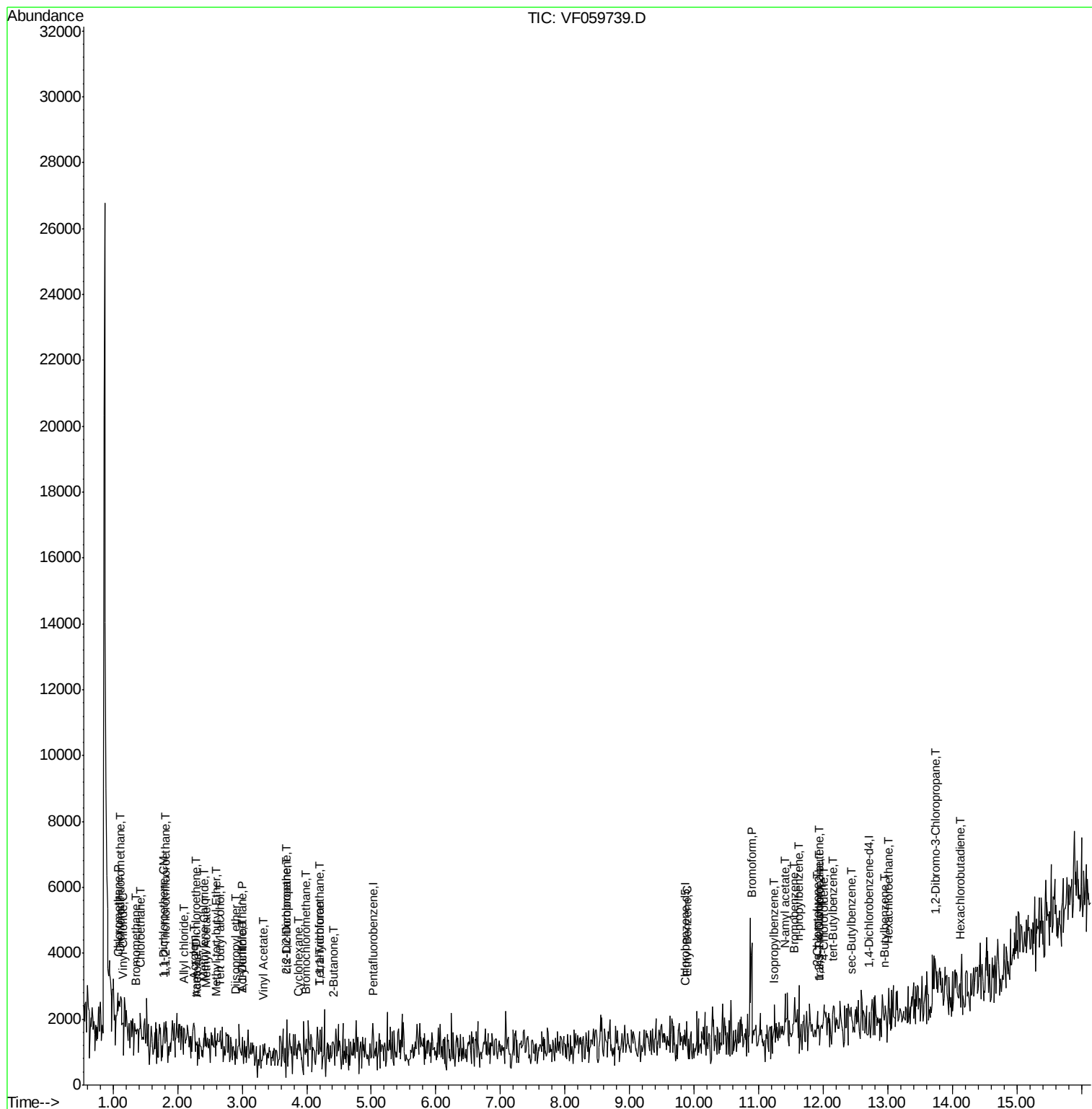
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
81) trans-1,4-Dichloro-2-buten	11.93	75	72	201.870	ug/l #	9
82) 4-Chlorotoluene	12.00	91	76	17.924	ug/l #	44
83) tert-Butylbenzene	12.15	119	81	16.770	ug/l #	26
85) sec-Butylbenzene	12.45	105	71	8.441	ug/l #	57
89) n-Butylbenzene	12.95	91	60	8.417	ug/l #	29
90) Hexachloroethane	13.02	117	63	46.424	ug/l #	18
92) 1,2-Dibromo-3-Chloropropan	13.74	75	77	310.998	ug/l #	9
94) Hexachlorobutadiene	14.11	225	68	50.558	ug/l #	19

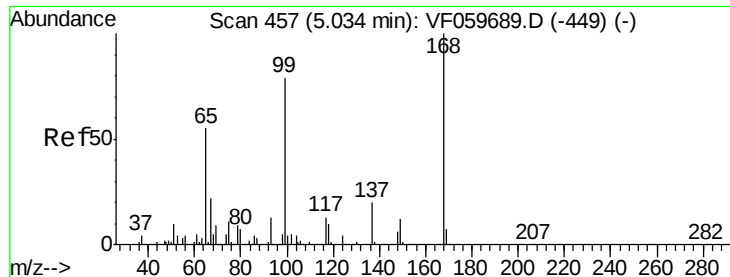
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 457

Delta R.T. 0.01 min

Lab File: VF059739.D

Acq: 1 Aug 2018 6:54

Instrument :

MSVOA_F

ClientSampleId :

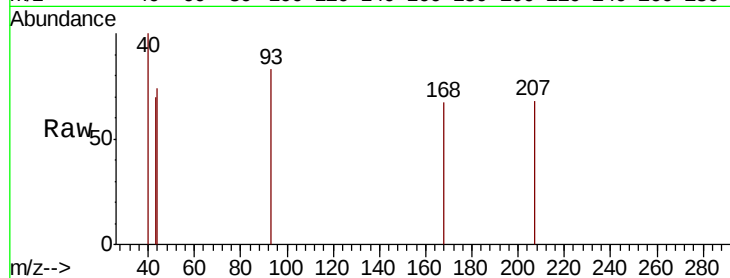
EPE-F-8(75-77)RE

Tot Ion:168 Resp: 69

Ion Ratio Lower Upper

168 100

99 0.0 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

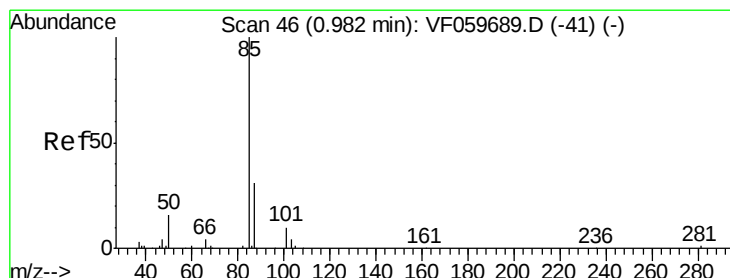
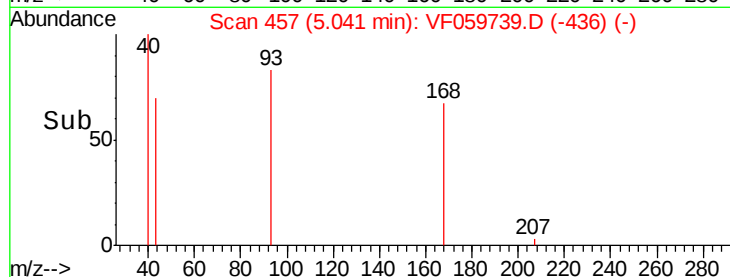
100

50

0

Time-->

5.02 5.04 5.06



#2

Dichlorodifluoromethane

Concen: 83.682 ug/l

RT: 1.13 min Scan# 60

Delta R.T. 0.15 min

Lab File: VF059739.D

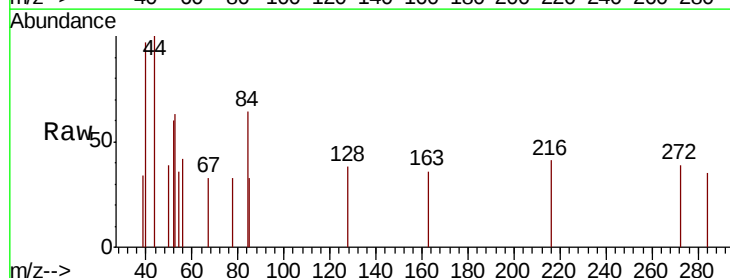
Acq: 1 Aug 2018 6:54

Tgt Ion: 85 Resp: 62

Ion Ratio Lower Upper

85 100

87 0.0 15.3 45.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

120

100

80

60

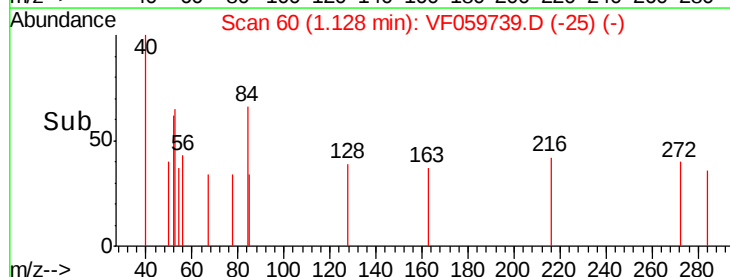
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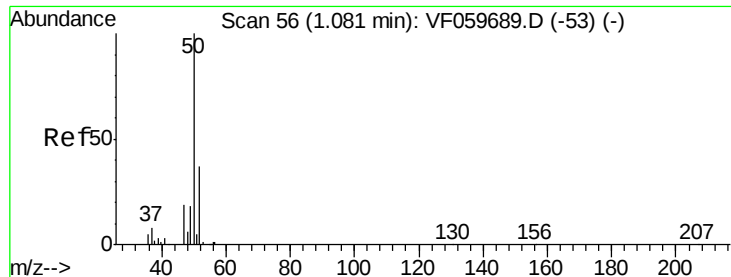
20

0

Time-->

1.10 1.12 1.14





#3

Chloromethane

Concen: 606.317 ug/l

RT: 1.09 min Scan# 56

Delta R.T. 0.01 min

Lab File: VF059739.D

Acq: 1 Aug 2018 6:54

Instrument :

MSVOA_F

ClientSampleId :

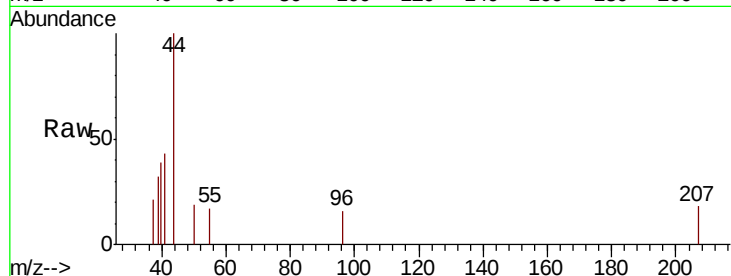
EPE-F-8(75-77)RE

Tot Ion: 50 Resp: 221

Ion Ratio Lower Upper

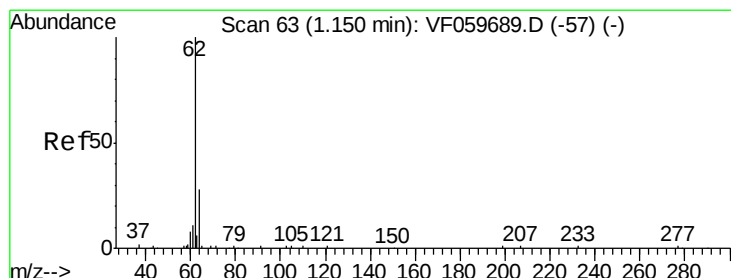
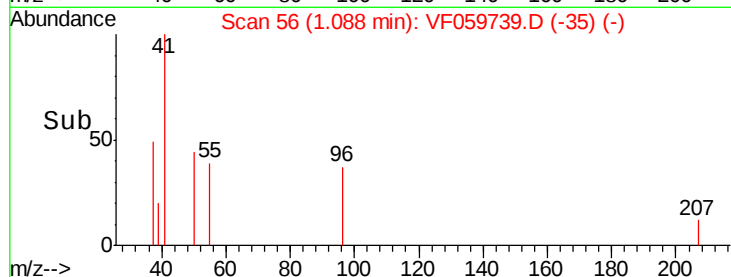
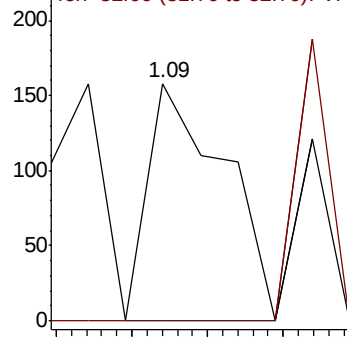
50 100

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: 182.661 ug/l

RT: 1.16 min Scan# 63

Delta R.T. 0.01 min

Lab File: VF059739.D

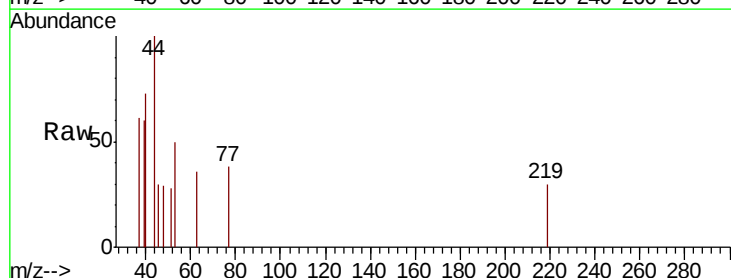
Acq: 1 Aug 2018 6:54

Tgt Ion: 62 Resp: 74

Ion Ratio Lower Upper

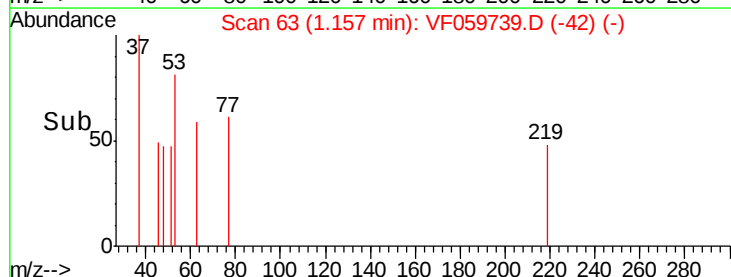
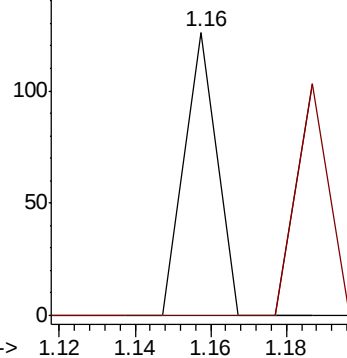
62 100

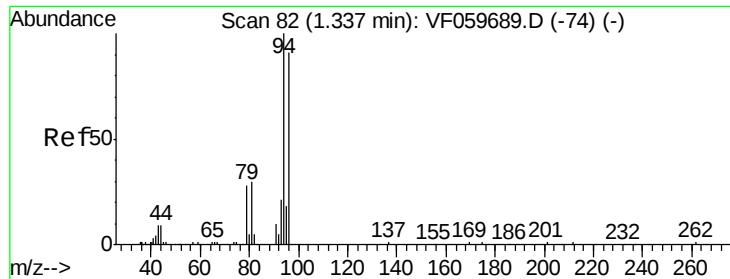
64 0.0 22.6 33.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 209.841 ug/l

RT: 1.35 min Scan# 83

Delta R.T. 0.02 min

Lab File: VF059739.D

Acq: 1 Aug 2018 6:54

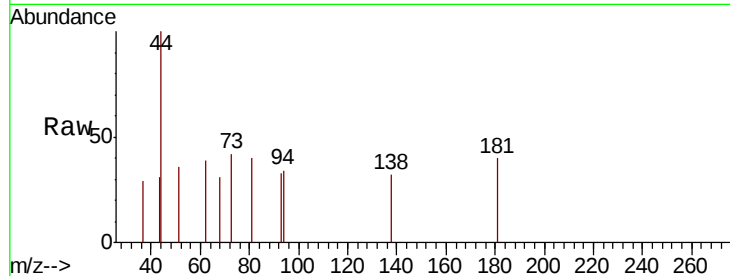
Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(75-77)RE

Tot Ion: 94 Resp: 69

Ion Ratio Lower Upper

94 100

96 0.0 73.6 110.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

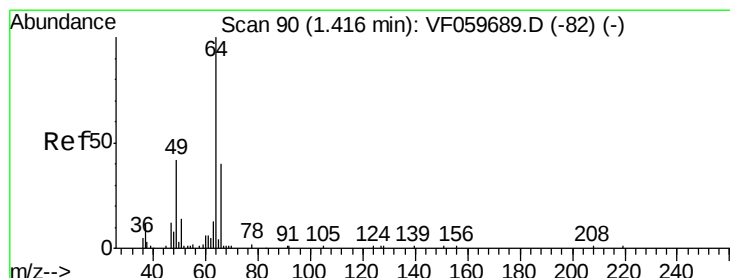
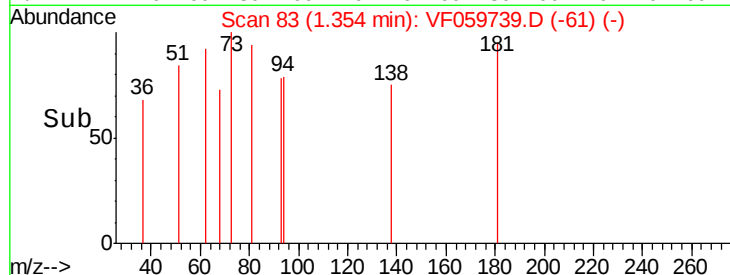
1.35

100

50

0

Time-->



#6

Chloroethane

Concen: 315.001 ug/l

RT: 1.43 min Scan# 91

Delta R.T. 0.02 min

Lab File: VF059739.D

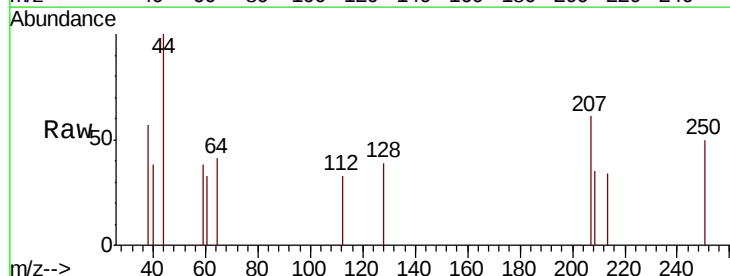
Acq: 1 Aug 2018 6:54

Tgt Ion: 64 Resp: 76

Ion Ratio Lower Upper

64 100

66 0.0 32.6 49.0#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

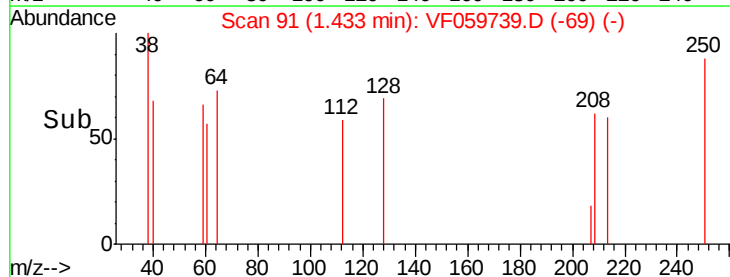
150

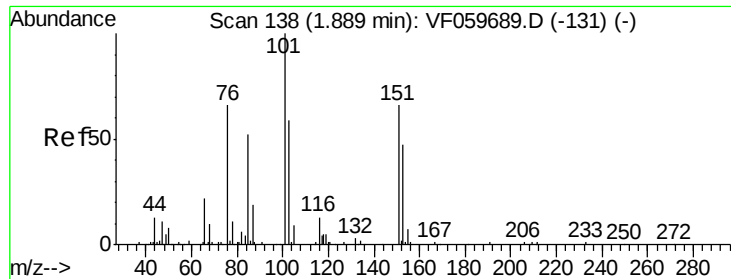
100

50

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 103.723 ug/l

RT: 1.81 min Scan# 129

Delta R.T. -0.08 min

Lab File: VF059739.D

Acq: 1 Aug 2018 6:54

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(75-77)RE

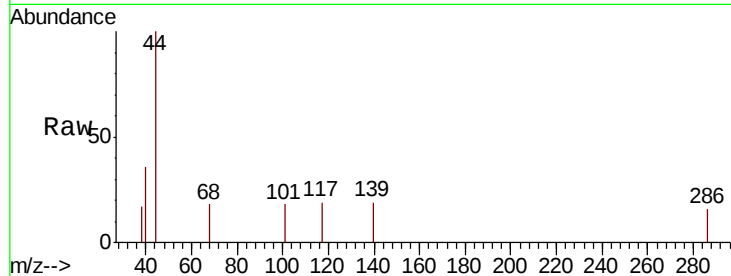
Tot Ion:101 Resp: 70

Ion Ratio Lower Upper

101 100

85 0.0 40.7 61.1#

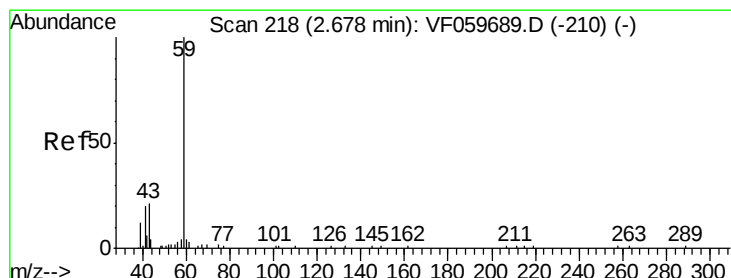
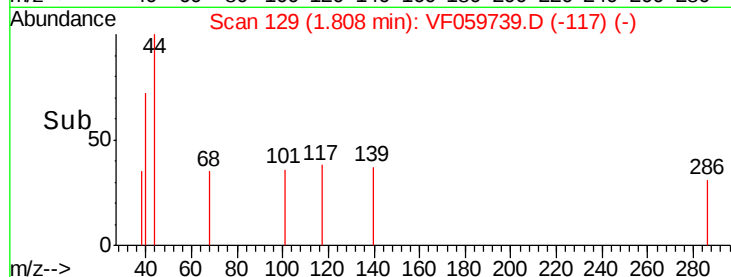
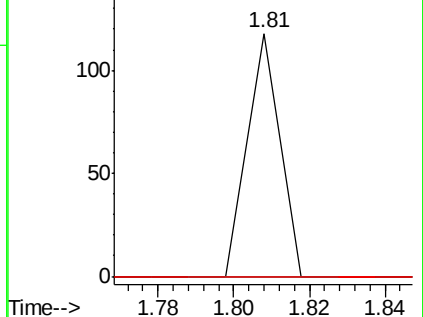
151 0.0 51.4 77.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V



#11

Tert butyl alcohol

Concen: 1748.739 ug/l

RT: 2.66 min Scan# 215

Delta R.T. -0.02 min

Lab File: VF059739.D

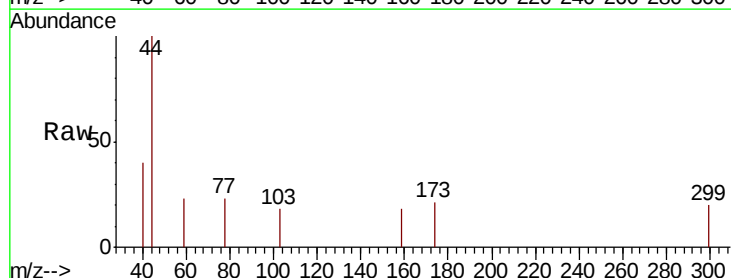
Acq: 1 Aug 2018 6:54

Tgt Ion: 59 Resp: 87

Ion Ratio Lower Upper

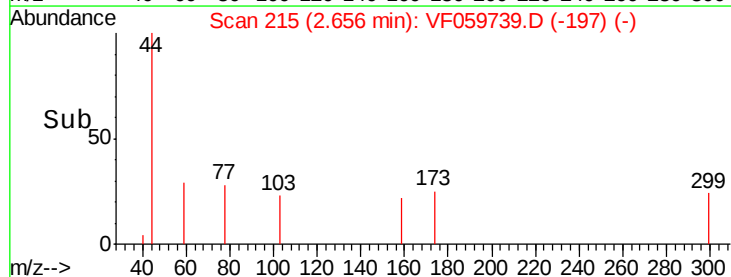
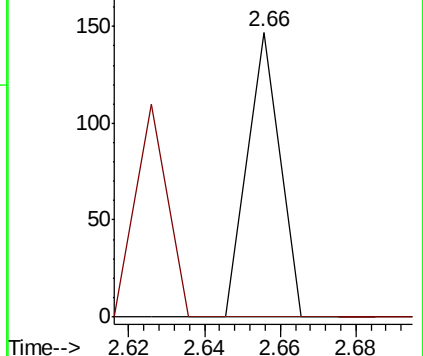
59 100

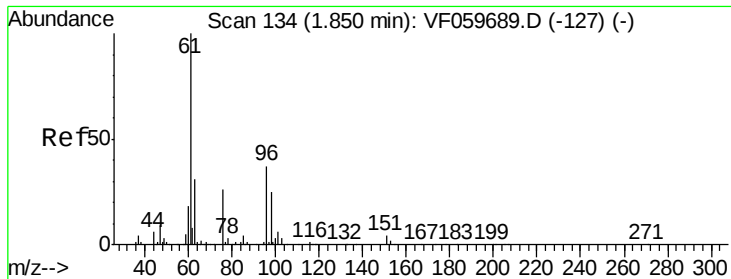
57 0.0 7.6 11.4#



Abundance Ion 59.00 (58.70 to 59.70): VF0

Ion 57.00 (56.70 to 57.70): VF0





#12

1,1-Dichloroethene

Concen: 119.773 ug/l

RT: 1.80 min Scan# 128

Delta R.T. -0.05 min

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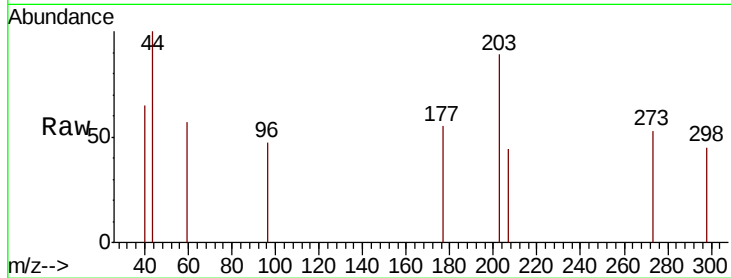
Tot Ion: 96 Resp: 64

Ion Ratio Lower Upper

96 100

61 0.0 215.1 322.7#

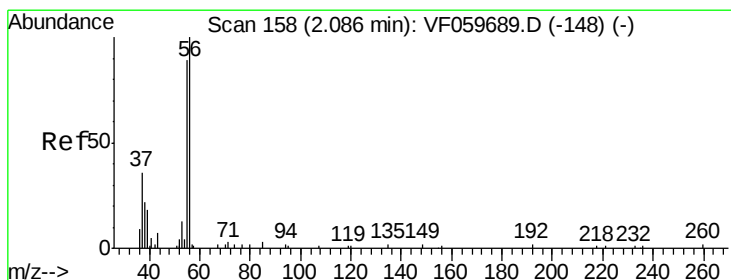
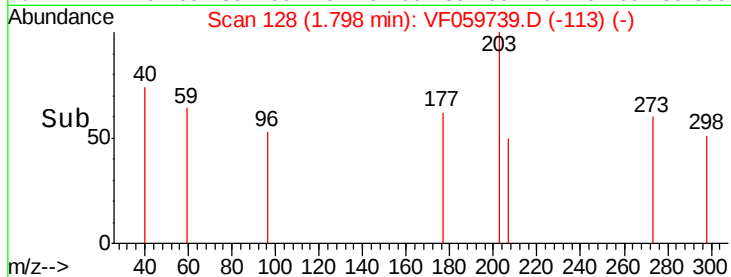
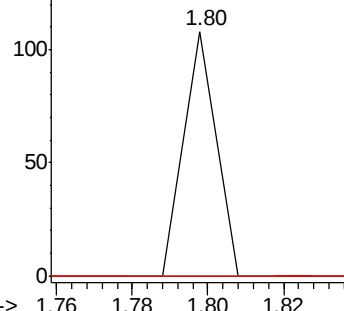
98 0.0 54.3 81.5#



Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



#13

Acrolein

Concen: 2374.209 ug/l

RT: 2.24 min Scan# 173

Delta R.T. 0.16 min

Lab File: VF059739.D

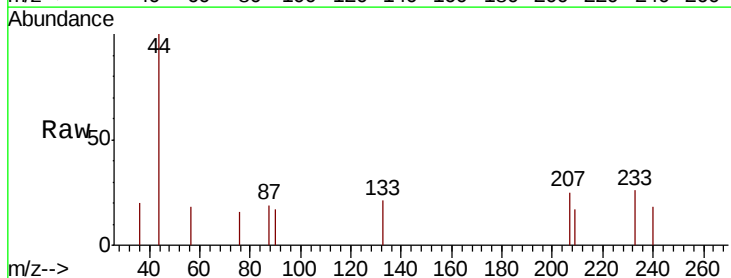
Acq: 1 Aug 2018 6:54

Tgt Ion: 56 Resp: 66

Ion Ratio Lower Upper

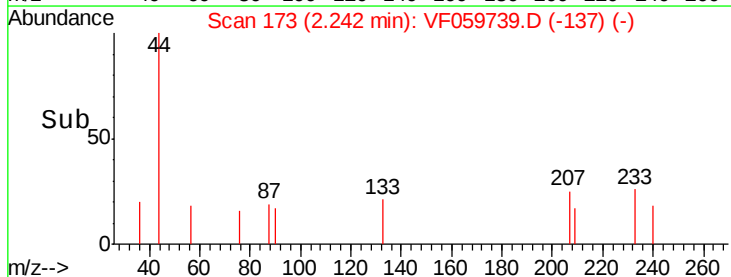
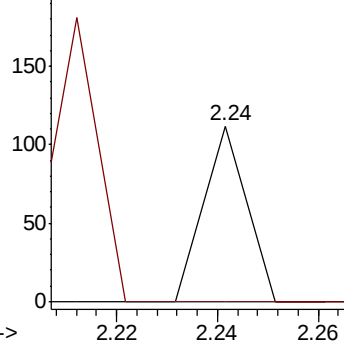
56 100

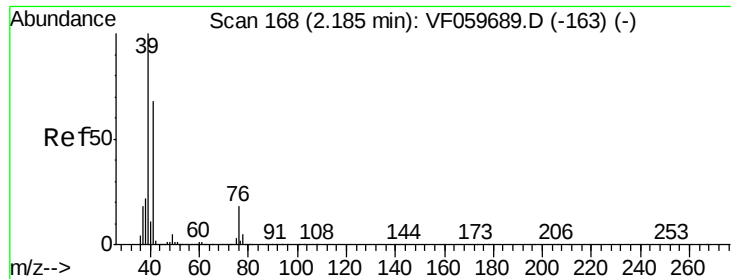
55 0.0 73.2 109.8#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

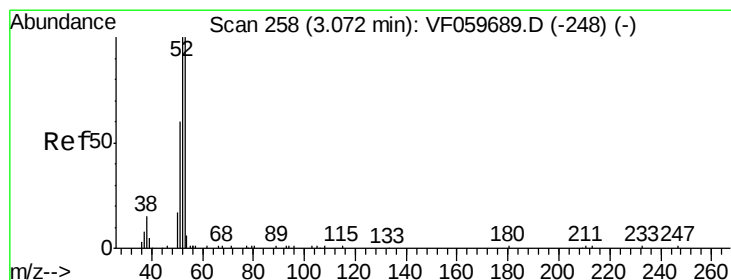
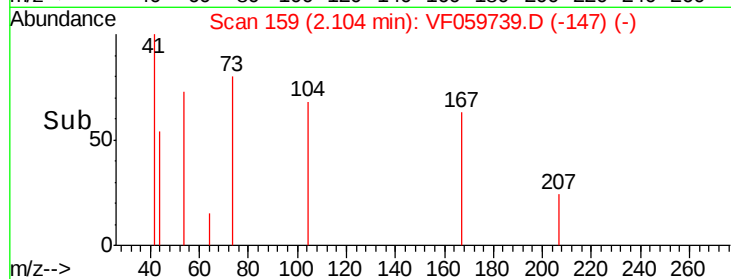
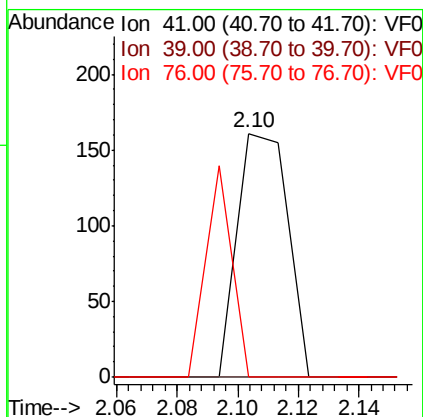
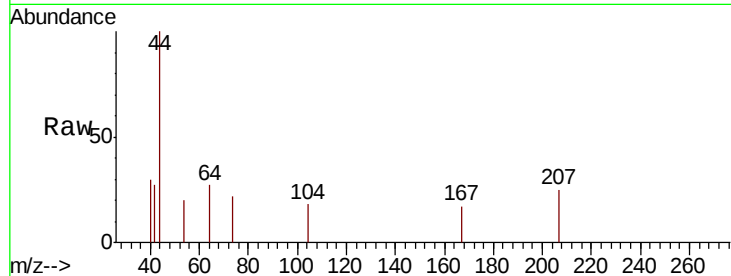




#14
Allvl chloride
Concen: 219.189 ug/l
RT: 2.10 min Scan# 159
Delta R.T. -0.08 min
Lab File: VF059739.D
Acq: 1 Aug 2018 6:54

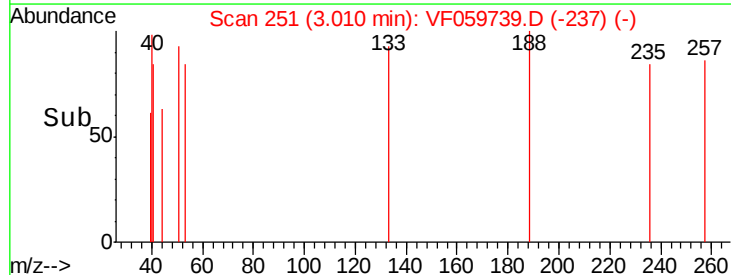
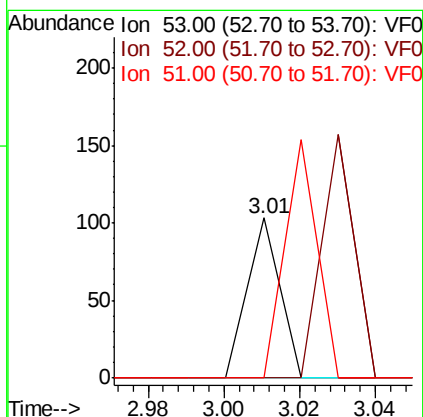
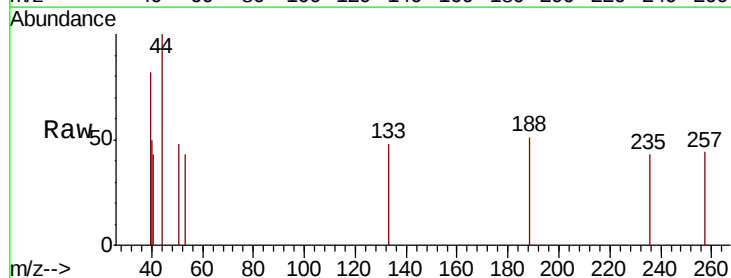
Instrument :
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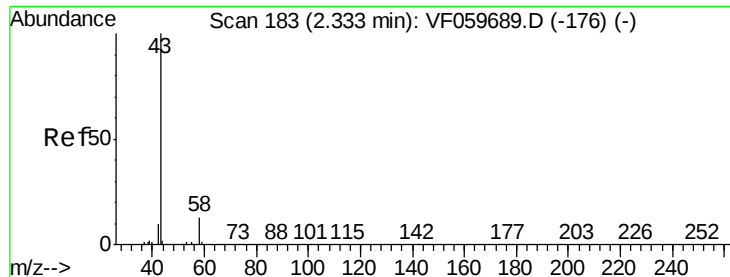
Tot Ion: 41 Resp: 187
Ion Ratio Lower Upper
41 100
39 0.0 118.1 177.1#
76 0.0 22.0 33.0#



#15
Acrylonitrile
Concen: 761.195 ug/l
RT: 3.01 min Scan# 251
Delta R.T. -0.06 min
Lab File: VF059739.D
Acq: 1 Aug 2018 6:54

Tgt Ion: 53 Resp: 61
Ion Ratio Lower Upper
53 100
52 0.0 80.3 120.5#
51 0.0 49.4 74.0#





#16

Acetone

Concen: 986.315 ug/l

RT: 2.31 min Scan# 180

Delta R.T. -0.02 min

Lab File: VF059739.D

Acq: 1 Aug 2018 6:54

Instrument :

MSVOA_F

ClientSampleId :

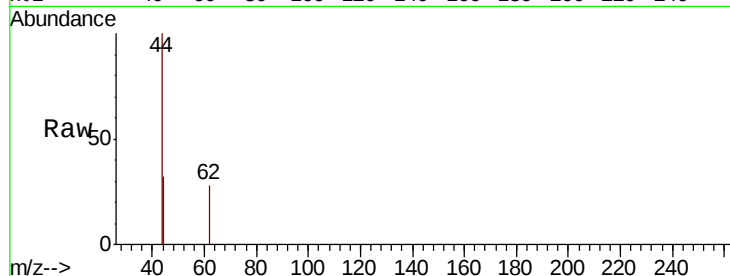
EPE-F-8(75-77)RE

Tot Ion: 43 Resp: 220

Ion Ratio Lower Upper

43 100

58 0.0 10.1 15.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

2.31

400

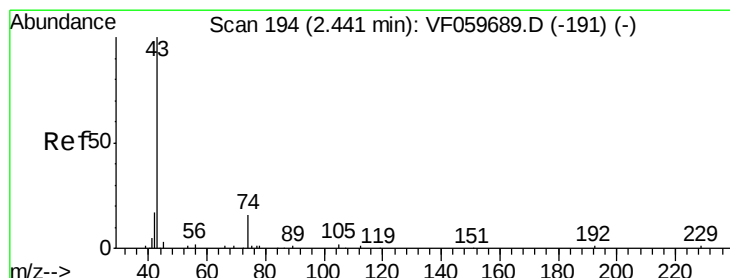
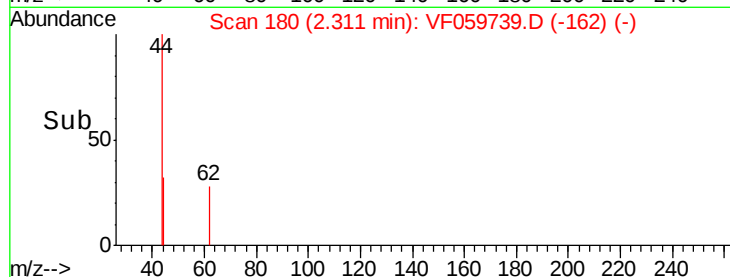
300

200

100

0

Time--> 2.28 2.30 2.32 2.34



#18

Methyl Acetate

Concen: 462.674 ug/l

RT: 2.44 min Scan# 193

Delta R.T. -0.00 min

Lab File: VF059739.D

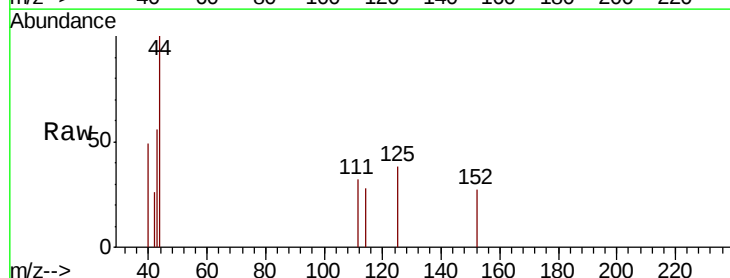
Acq: 1 Aug 2018 6:54

Tgt Ion: 43 Resp: 146

Ion Ratio Lower Upper

43 100

74 0.0 11.8 17.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

2.44

250

200

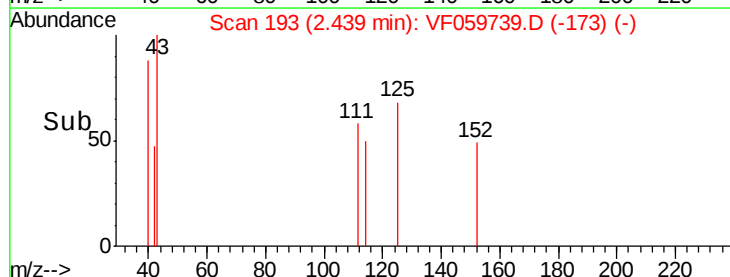
150

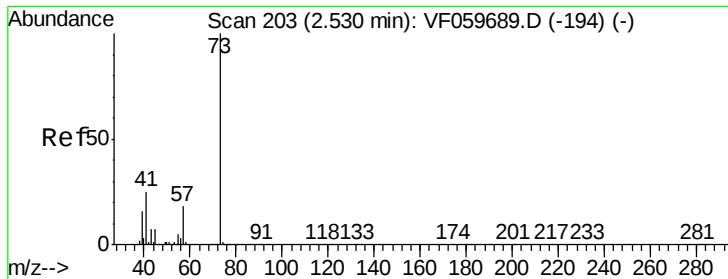
100

50

0

Time--> 2.40 2.42 2.44 2.46



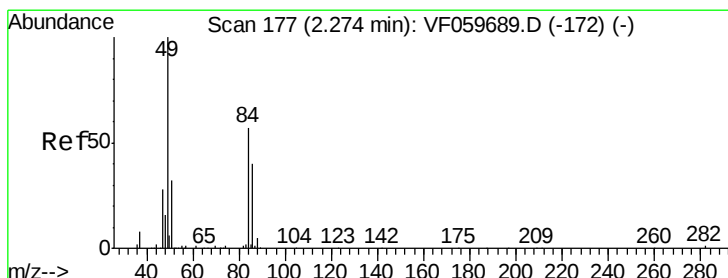
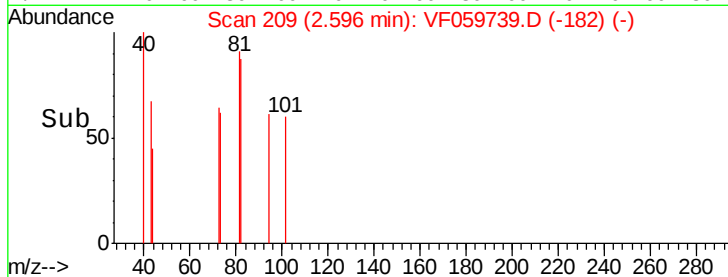
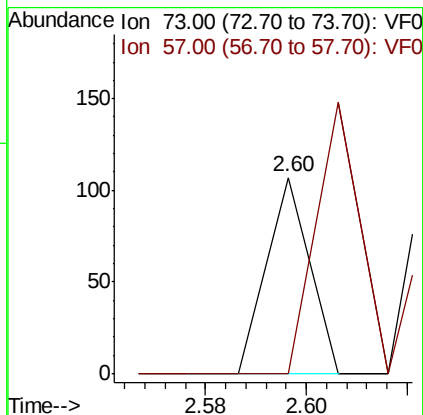
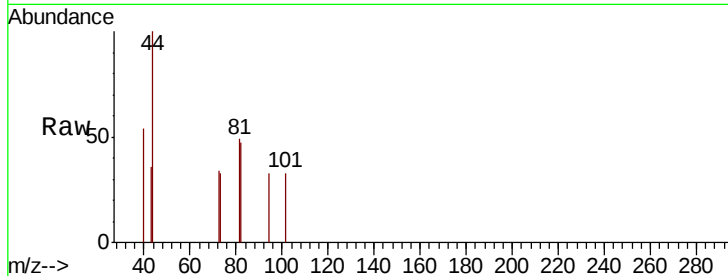


#19

Methyl tert-butyl Ether
 Concen: 38.662 ug/l
 RT: 2.60 min Scan# 209
 Delta R.T. 0.07 min
 Lab File: VF059739.D
 Acq: 1 Aug 2018 6:54

Instrument :
 MSVOA_F
 ClientSampleId :
 EPE-F-8(75-77)RE

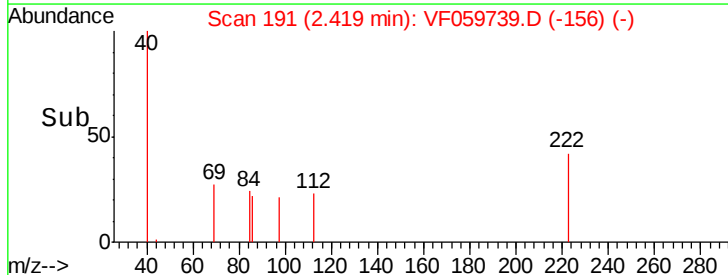
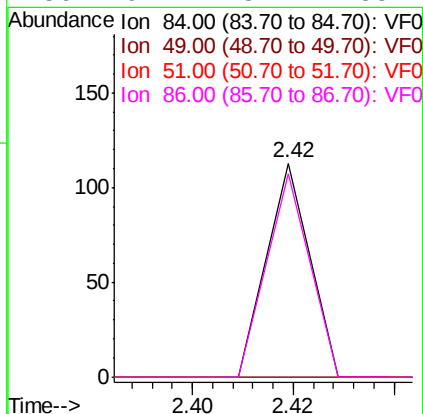
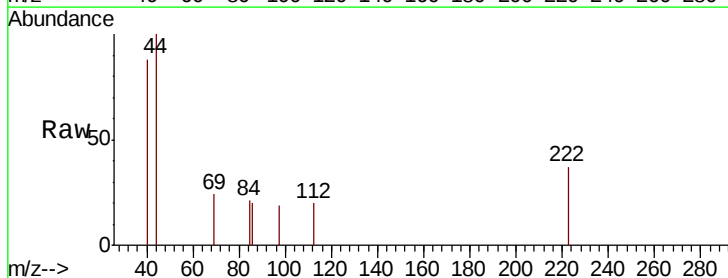
Tot Ion: 73 Resp: 63
 Ion Ratio Lower Upper
 73 100
 57 0.0 14.2 21.2#

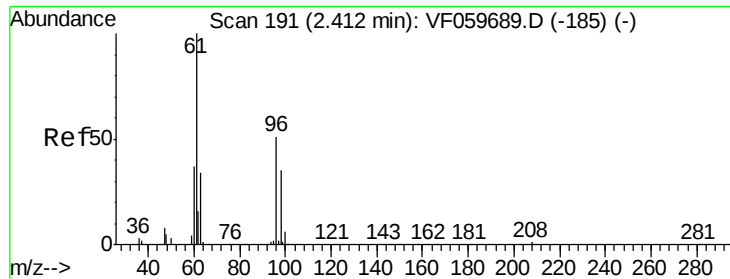


#20

Methylene Chloride
 Concen: 152.279 ug/l
 RT: 2.42 min Scan# 191
 Delta R.T. 0.15 min
 Lab File: VF059739.D
 Acq: 1 Aug 2018 6:54

Tgt Ion: 84 Resp: 67
 Ion Ratio Lower Upper
 84 100
 49 0.0 142.2 213.4#
 51 0.0 46.2 69.2#
 86 94.7 57.1 85.7#





#21

trans-1,2-Dichloroethene

Concen: 209.054 ug/l

RT: 2.28 min Scan# 177

Delta R.T. -0.13 min

Lab File: VF059739.D

Acq: 1 Aug 2018 6:54

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(75-77)RE

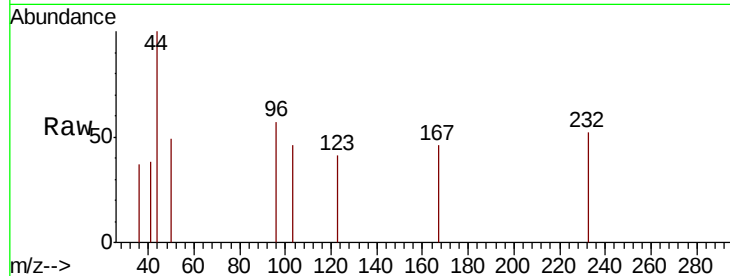
Tot Ion: 96 Resp: 94

Ion Ratio Lower Upper

96 100

61 0.0 157.4 236.0#

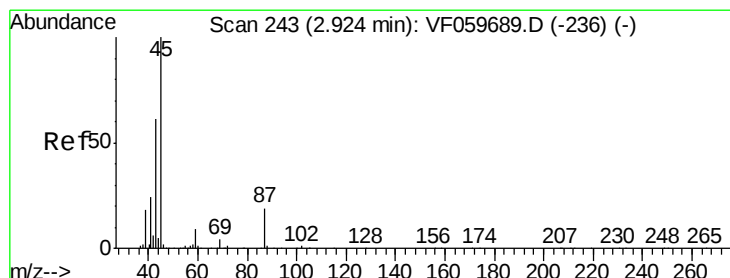
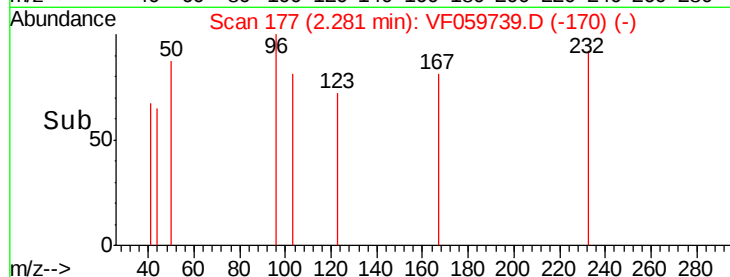
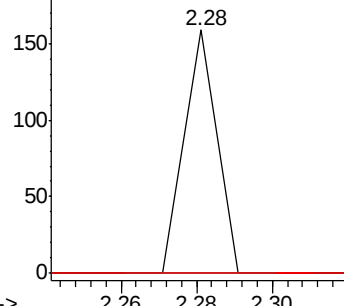
98 0.0 55.0 82.4#



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



#22

Diisopropyl ether

Concen: 52.656 ug/l

RT: 2.90 min Scan# 240

Delta R.T. -0.02 min

Lab File: VF059739.D

Acq: 1 Aug 2018 6:54

Tgt Ion: 45 Resp: 95

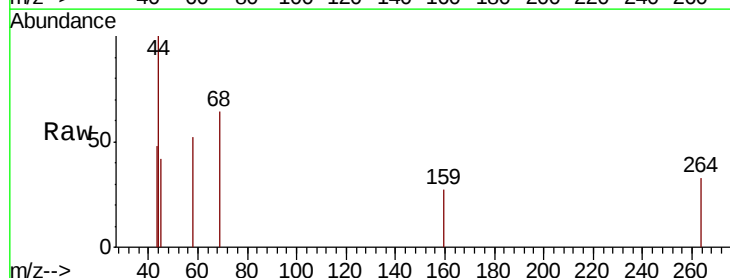
Ion Ratio Lower Upper

45 100

43 115.0 49.3 73.9#

87 0.0 15.3 22.9#

59 0.0 7.1 10.7#

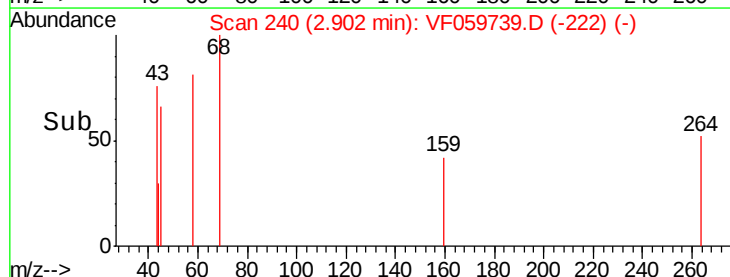
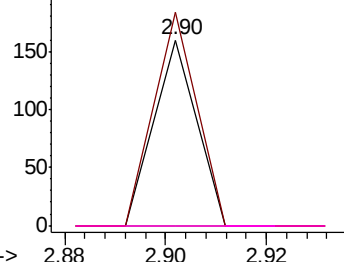


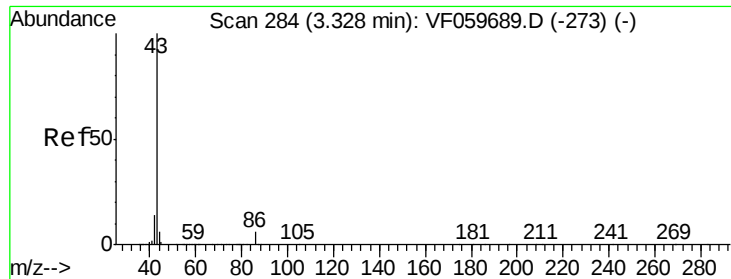
Abundance Ion 45.00 (44.70 to 45.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

Ion 59.00 (58.70 to 59.70): VF0





#23

Vinyl Acetate

Concen: 150.933 ug/l

RT: 3.32 min Scan# 282

Delta R.T. -0.01 min

Lab File: VF059739.D

Acq: 1 Aug 2018 6:54

Instrument :

MSVOA_F

ClientSampleId :

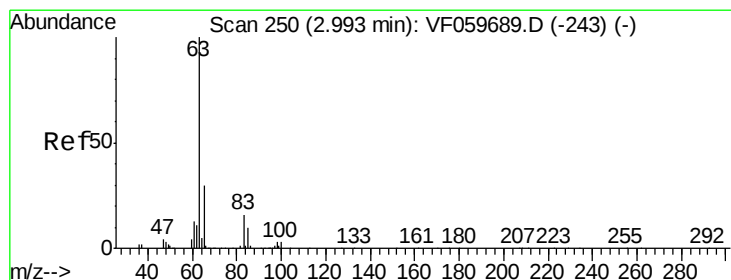
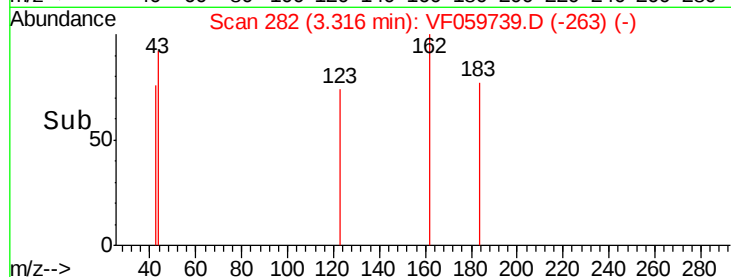
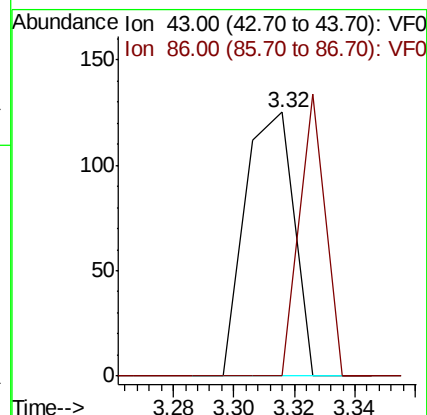
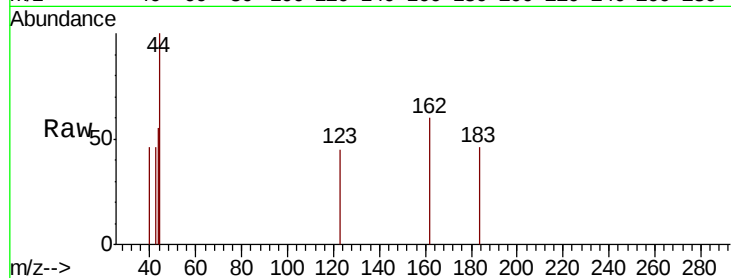
EPE-F-8(75-77)RE

Tot Ion: 43 Resp: 140

Ion Ratio Lower Upper

43 100

86 0.0 4.6 6.8#



#24

1,1-Dichloroethane

Concen: 61.431 ug/l

RT: 3.00 min Scan# 250

Delta R.T. 0.01 min

Lab File: VF059739.D

Acq: 1 Aug 2018 6:54

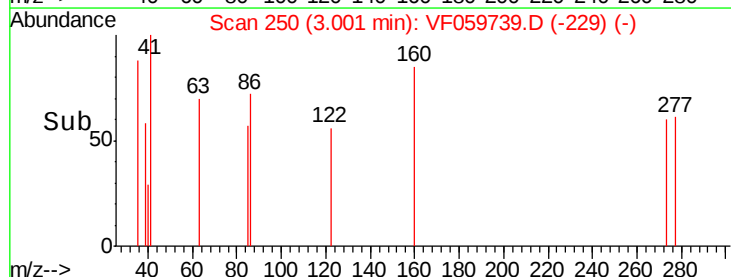
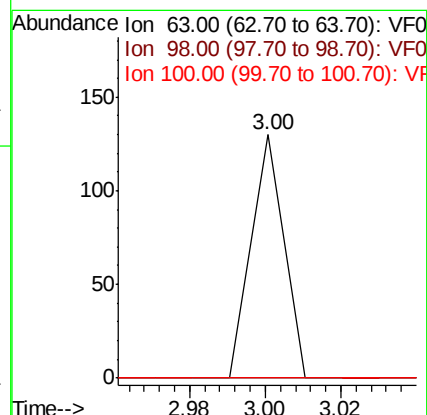
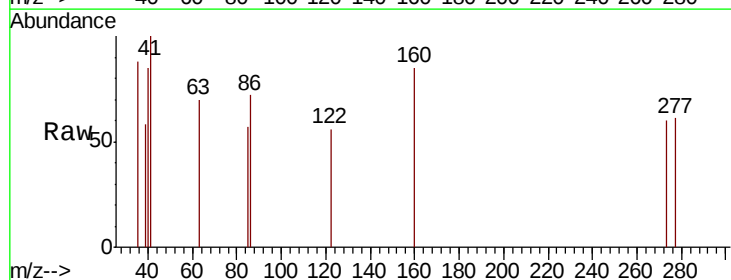
Tgt Ion: 63 Resp: 77

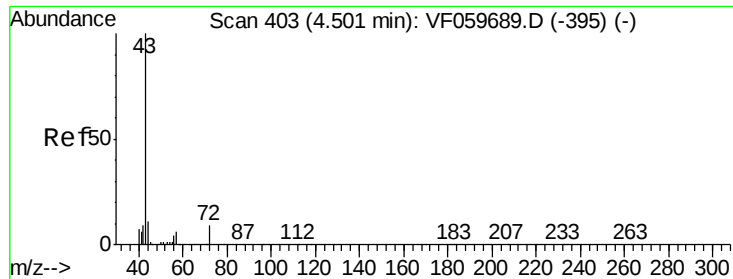
Ion Ratio Lower Upper

63 100

98 0.0 1.4 4.2#

100 0.0 1.6 4.7#





#25

2-Butanone

Concen: 281.208 ug/l

RT: 4.41 min Scan# 393

Delta R.T. -0.09 min

Lab File: VF059739.D

Acq: 1 Aug 2018 6:54

Instrument :

MSVOA_F

ClientSampleId :

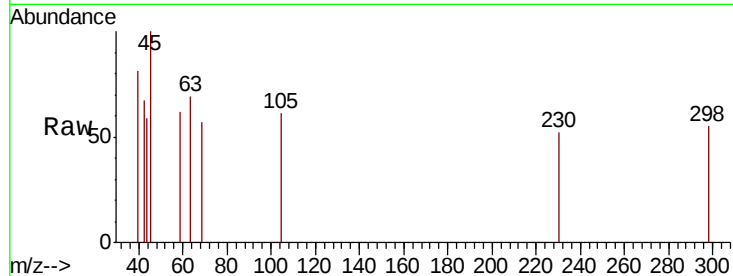
EPE-F-8(75-77)RE

Tot Ion: 43 Resp: 70

Ion Ratio Lower Upper

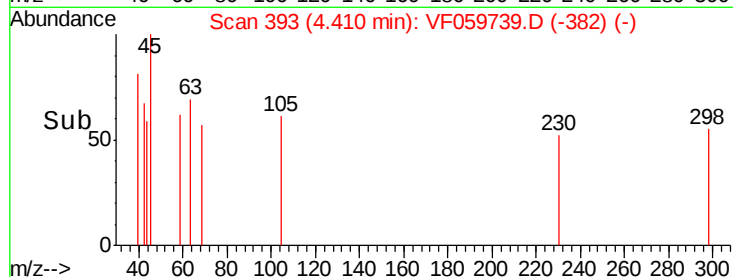
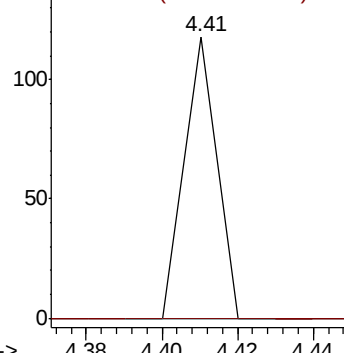
43 100

72 0.0 7.7 11.5#

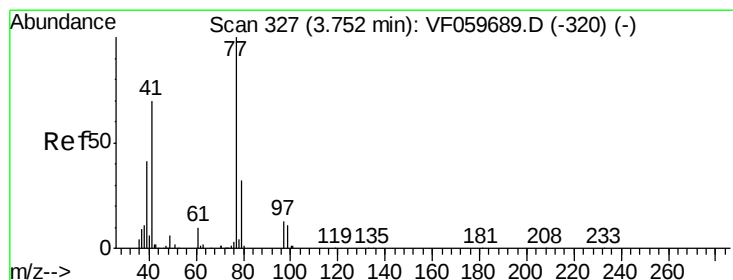


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



Time-->



#26

2,2-Dichloropropane

Concen: 190.256 ug/l

RT: 3.69 min Scan# 320

Delta R.T. -0.06 min

Lab File: VF059739.D

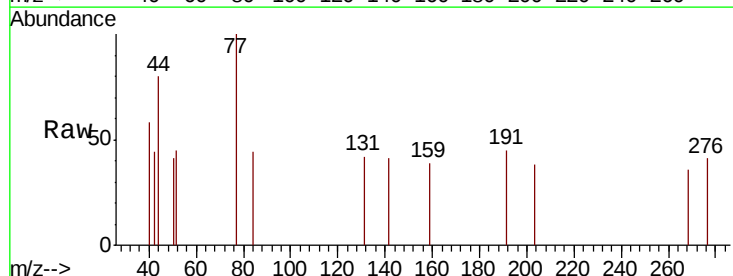
Acq: 1 Aug 2018 6:54

Tgt Ion: 77 Resp: 170

Ion Ratio Lower Upper

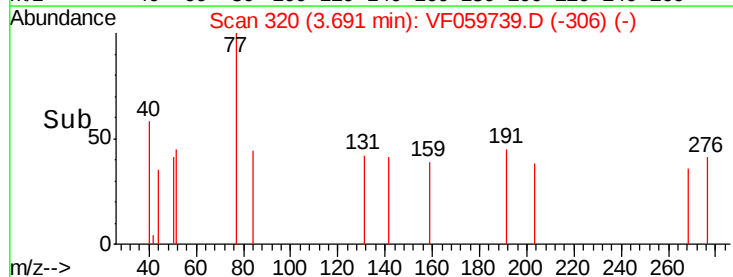
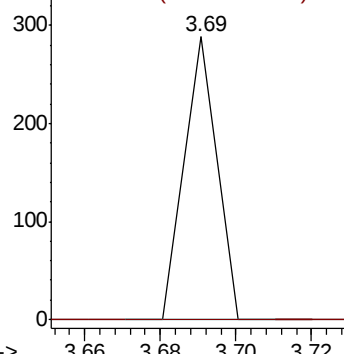
77 100

97 0.0 6.8 20.4#

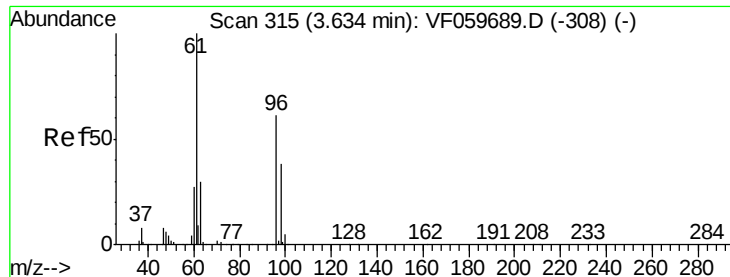


Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



Time-->

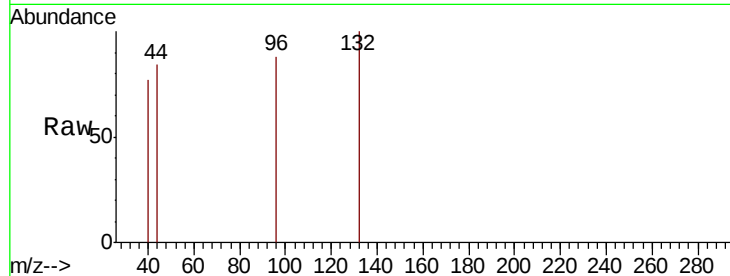


#27

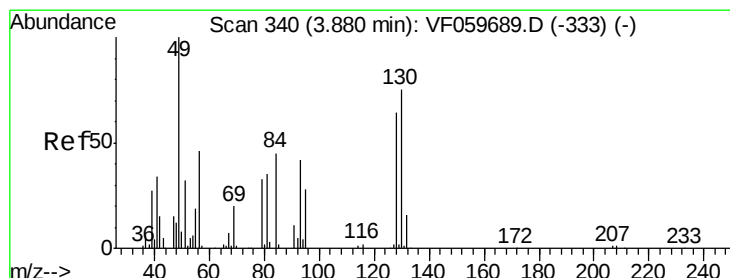
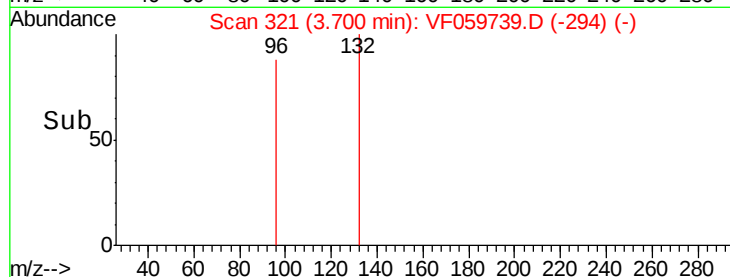
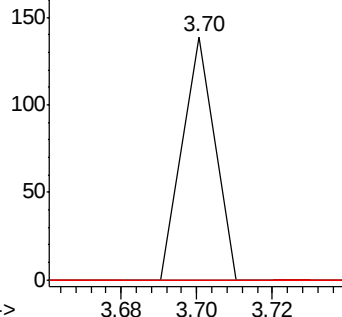
cis-1,2-Dichloroethene
 Concen: 122.166 ug/l
 RT: 3.70 min Scan# 321
 Delta R.T. 0.07 min
 Lab File: VF059739.D
 Acq: 1 Aug 2018 6:54

Instrument :
 MSVOA_F
 ClientSampleId :
 EPE-F-8(75-77)RE

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



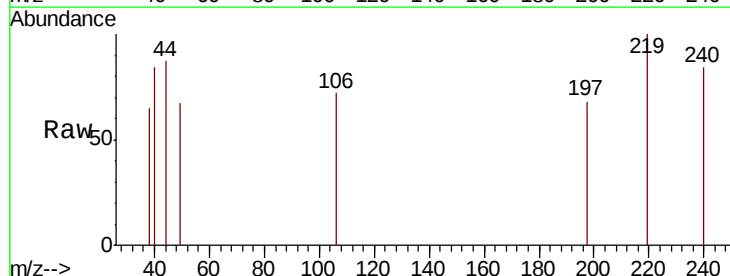
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



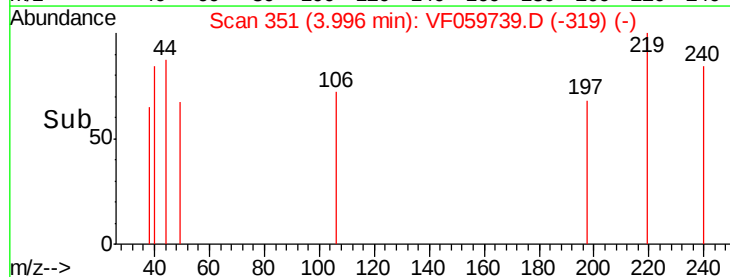
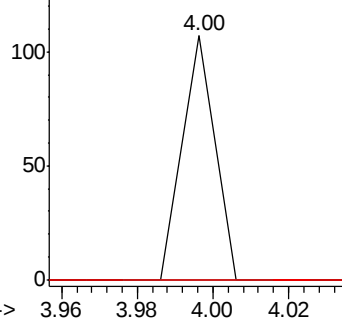
#28

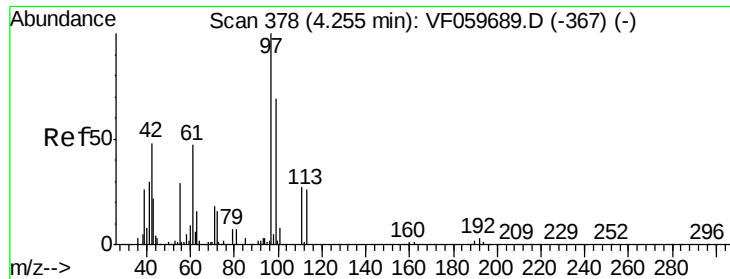
Bromochloromethane
 Concen: 153.800 ug/l
 RT: 4.00 min Scan# 351
 Delta R.T. 0.12 min
 Lab File: VF059739.D
 Acq: 1 Aug 2018 6:54

Tgt 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: 951.157 ug/l

RT: 4.20 min Scan# 372

Delta R.T. -0.05 min

Lab File: VF059739.D

Acq: 1 Aug 2018 6:54

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(75-77)RE

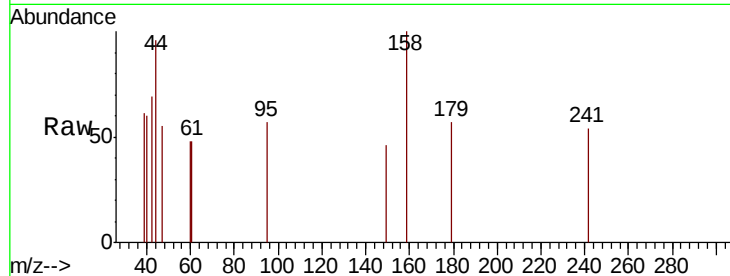
Tot Ion: 42 Resp: 91

Ion Ratio Lower Upper

42 100

72 0.0 27.0 40.6#

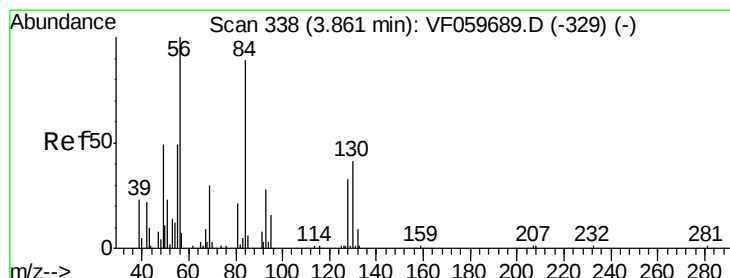
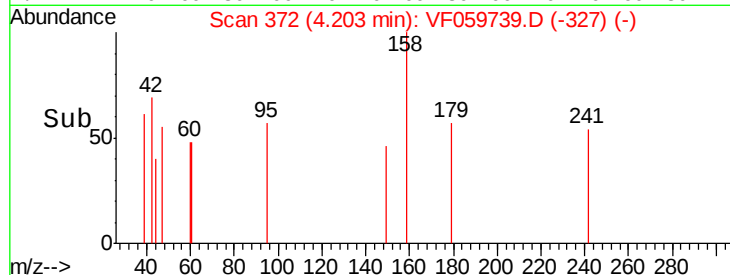
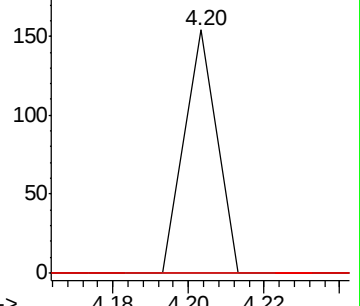
71 0.0 29.7 44.5#



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: 235.903 ug/l

RT: 3.87 min Scan# 338

Delta R.T. 0.01 min

Lab File: VF059739.D

Acq: 1 Aug 2018 6:54

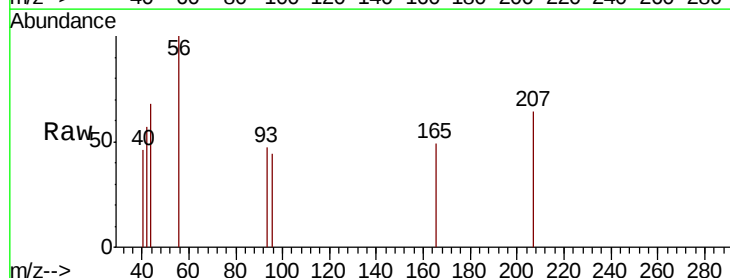
Tgt Ion: 56 Resp: 134

Ion Ratio Lower Upper

56 100

69 0.0 23.7 35.5#

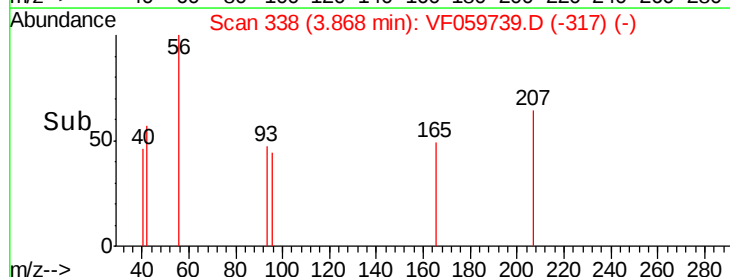
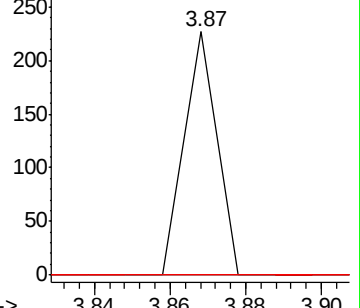
84 0.0 71.1 106.7#

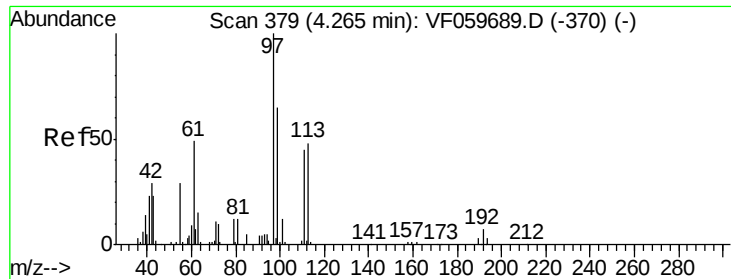


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0





#32

1,1,1-Trichloroethane

Concen: 43.725 ug/l

RT: 4.21 min Scan# 373

Delta R.T. -0.05 min

Lab File: VF059739.D

Acq: 1 Aug 2018 6:54

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(75-77)RE

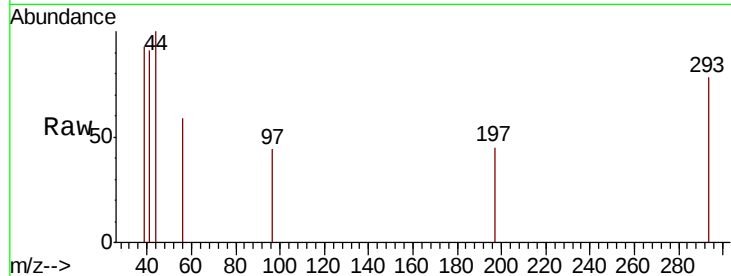
Tot Ion: 97 Resp: 60

Ion Ratio Lower Upper

97 100

99 0.0 52.4 78.6#

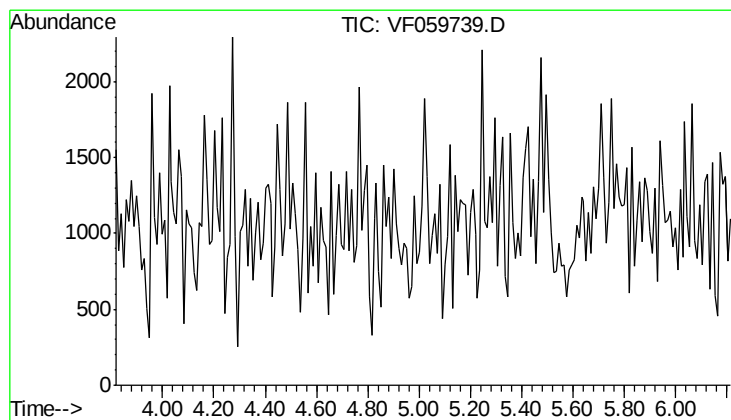
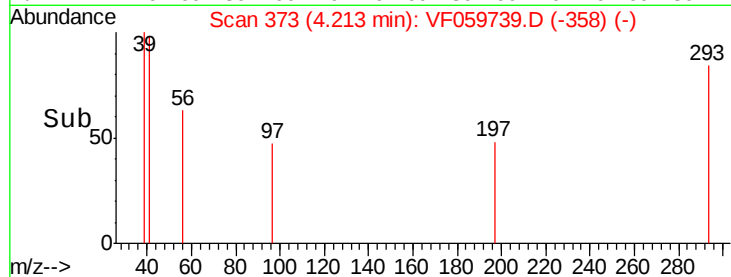
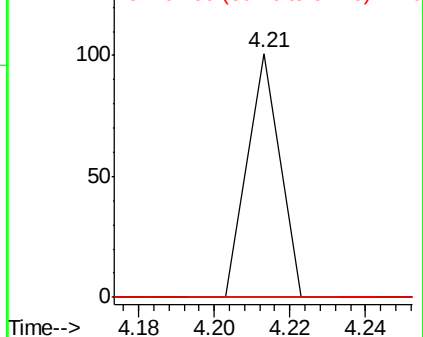
61 0.0 39.7 59.5#



Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 0.000 ug/l

Expected RT: 5.01 min

Lab File: VF059739.D

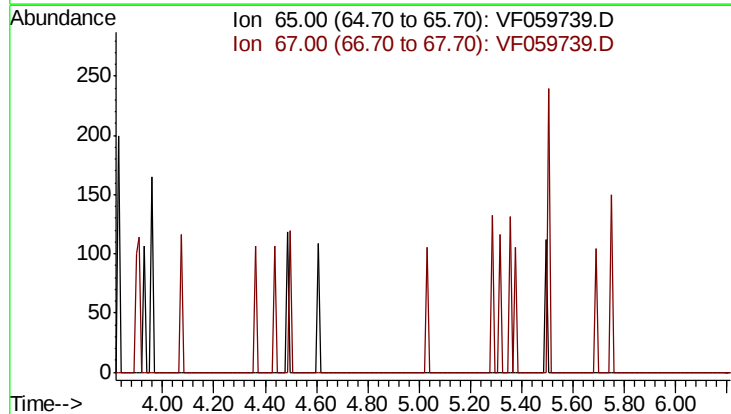
Acq: 1 Aug 2018 6:54

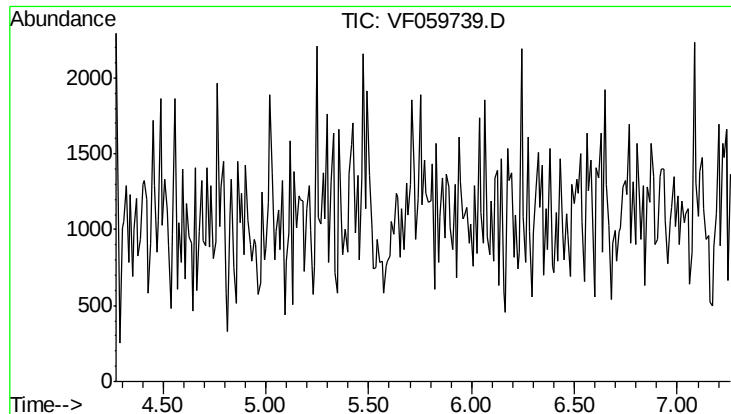
Tgt Ion: 65

Sig Exp Ratio

65 100

67 42.3

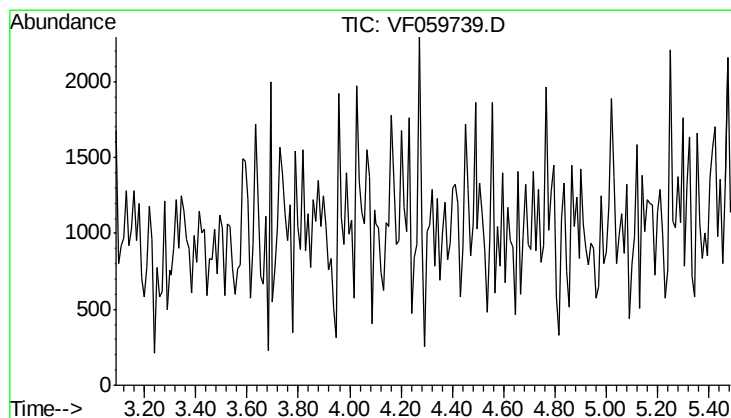
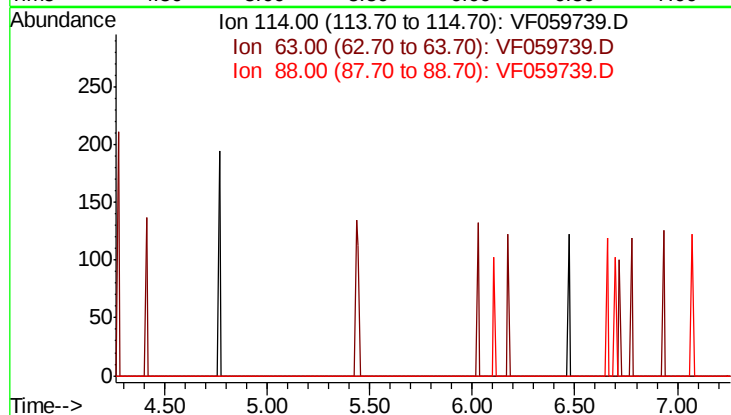




#34
 1,4-Difluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 5.76 min
 Lab File: VF059739.D
 Acq: 1 Aug 2018 6:54

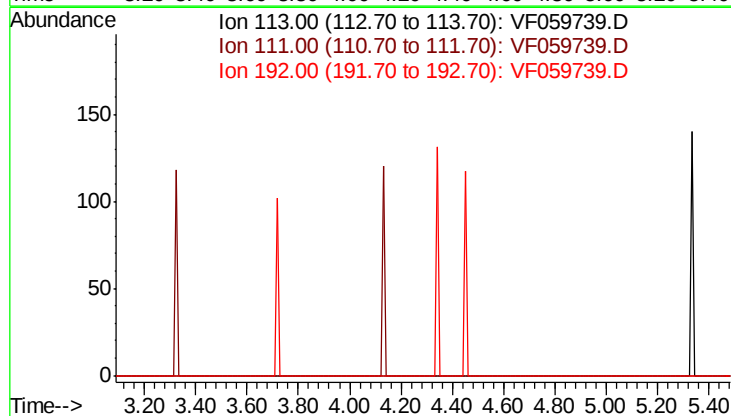
Instrument :
 MSVOA_F
 ClientSampleId :
 EPE-F-8(75-77)RE

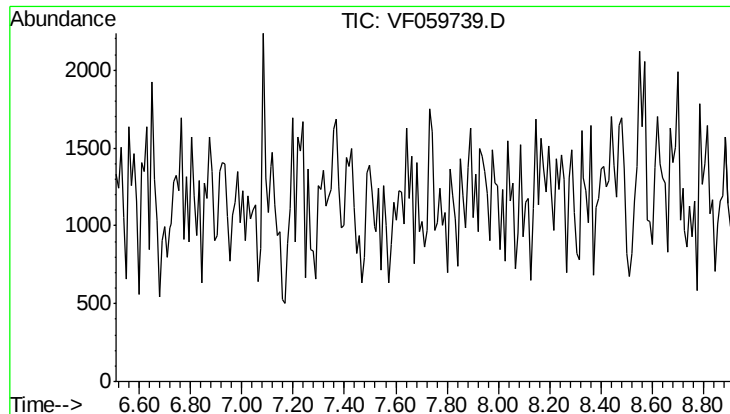
Tot Ion: 114
 Sig Exp Ratio
 114 100
 63 23.7
 88 20.6



#35
 Dibromofluoromethane
 Concen: 0.000 ug/l
 Expected RT: 4.28 min
 Lab File: VF059739.D
 Acq: 1 Aug 2018 6:54

Tgt Ion: 113
 Sig Exp Ratio
 113 100
 111 98.7
 192 16.5



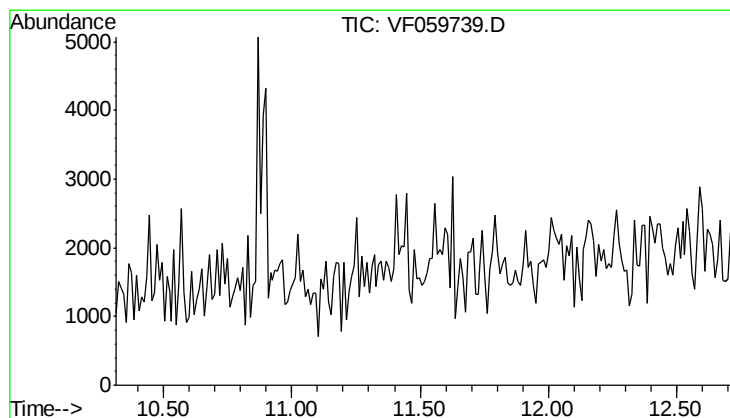
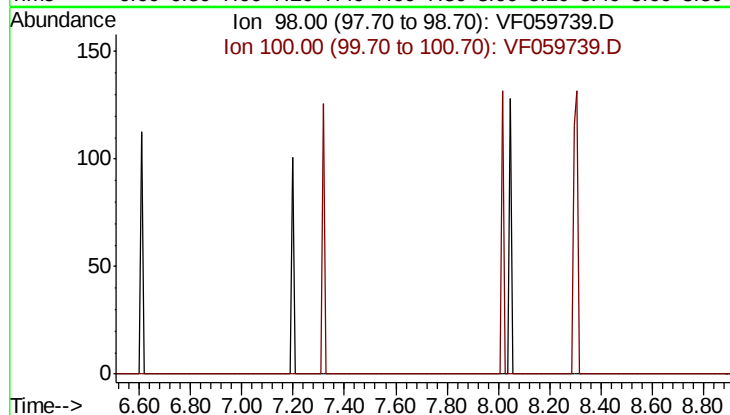


#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.71 min

Lab File: VF059739.D
Acq: 1 Aug 2018 6:54

Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(75-77)RE

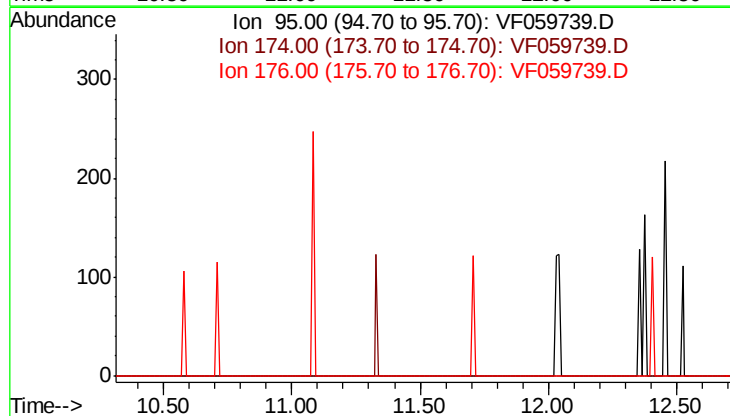
Tot Ion: 98
Sig Exp Ratio
98 100
100 66.0

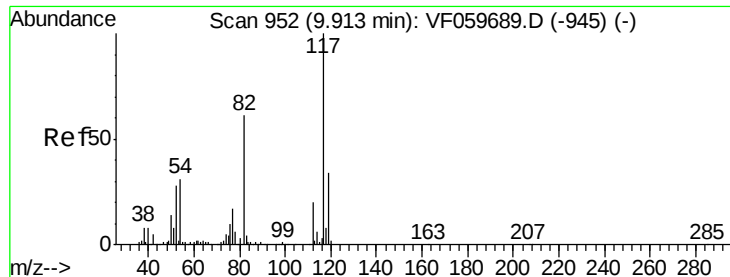


#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.51 min

Lab File: VF059739.D
Acq: 1 Aug 2018 6:54

Tgt Ion: 95
Sig Exp Ratio
95 100
174 89.2
176 86.5





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.86 min Scan# 946

Delta R.T. -0.05 min

Lab File: VF059739.D

Acq: 1 Aug 2018 6:54

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(75-77)RE

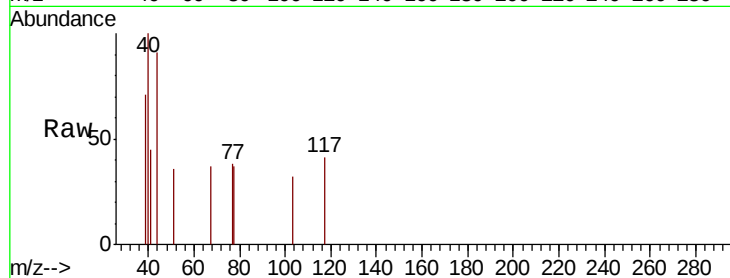
Tot Ion:117 Resp: 77

Ion Ratio Lower Upper

117 100

82 0.0 49.0 73.4#

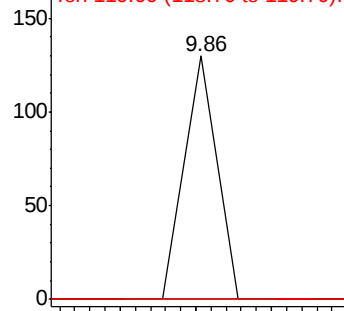
119 0.0 27.3 40.9#



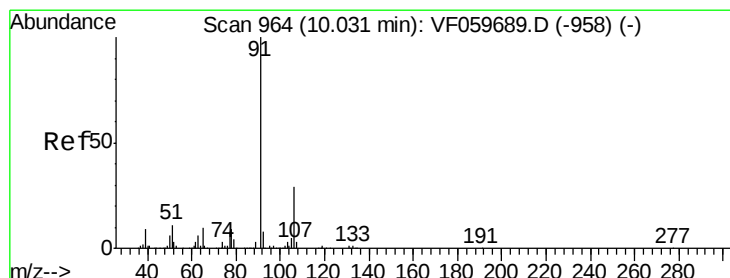
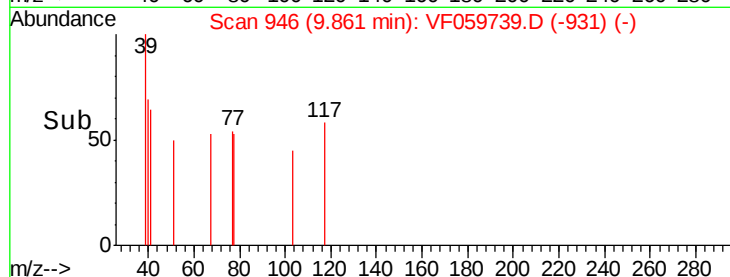
Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V



Time-->



#67

Ethyl Benzene

Concen: 25.891 ug/l

RT: 9.88 min Scan# 948

Delta R.T. -0.15 min

Lab File: VF059739.D

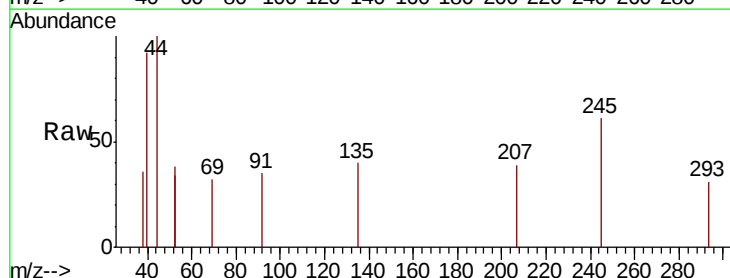
Acq: 1 Aug 2018 6:54

Tgt Ion: 91 Resp: 69

Ion Ratio Lower Upper

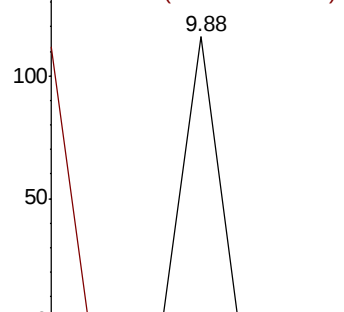
91 100

106 0.0 22.9 34.3#

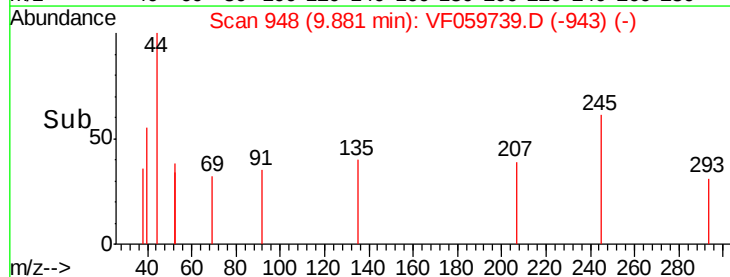


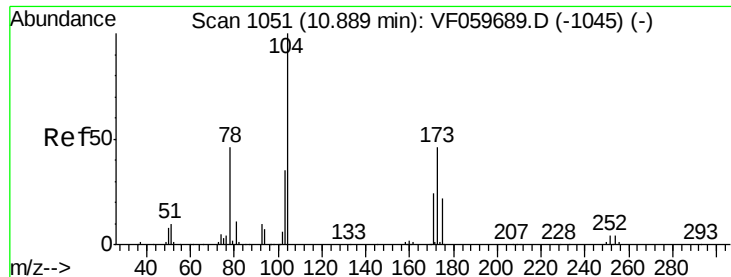
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 106.00 (105.70 to 106.70): V



Time-->





#71

Bromoform

Concen: 145.116 ug/l

RT: 10.90 min Scan# 1051

Delta R.T. 0.01 min

Lab File: VF059739.D

Acq: 1 Aug 2018 6:54

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(75-77)RE

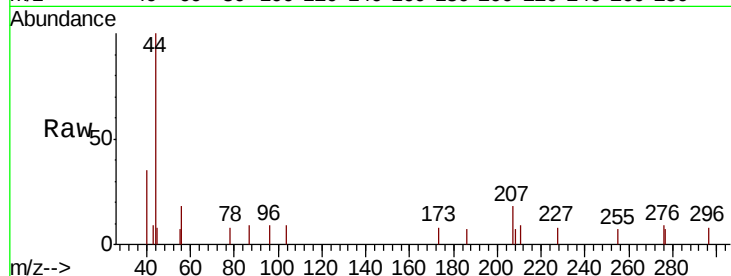
Tot Ion:173 Resp: 68

Ion Ratio Lower Upper

173 100

175 0.0 23.4 70.0#

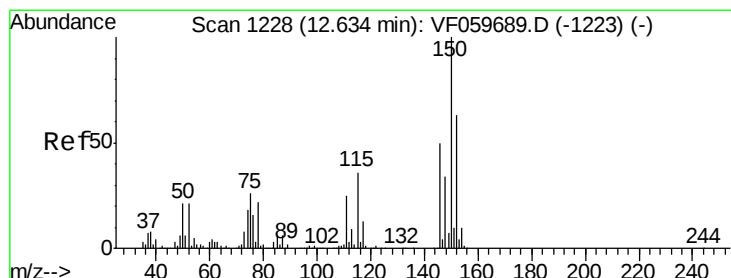
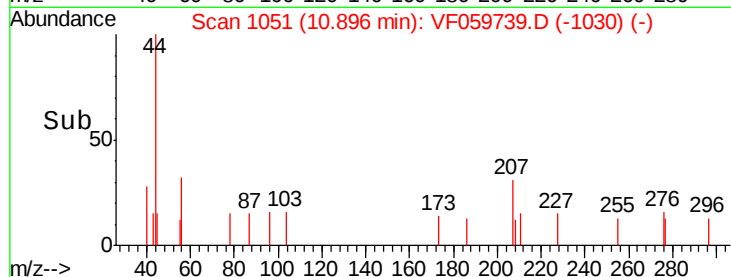
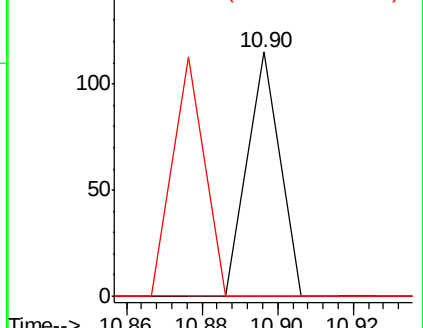
254 0.0 0.0 0.0



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.72 min Scan# 1236

Delta R.T. 0.09 min

Lab File: VF059739.D

Acq: 1 Aug 2018 6:54

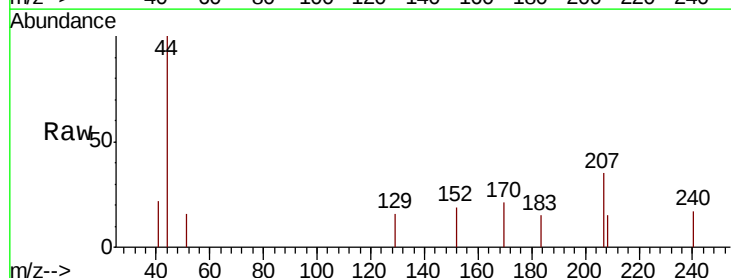
Tgt Ion:152 Resp: 82

Ion Ratio Lower Upper

152 100

115 0.0 28.2 84.6#

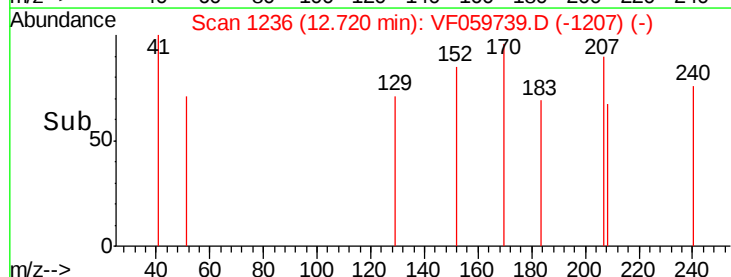
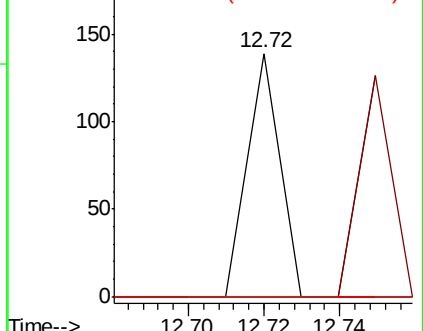
150 0.0 0.0 316.2

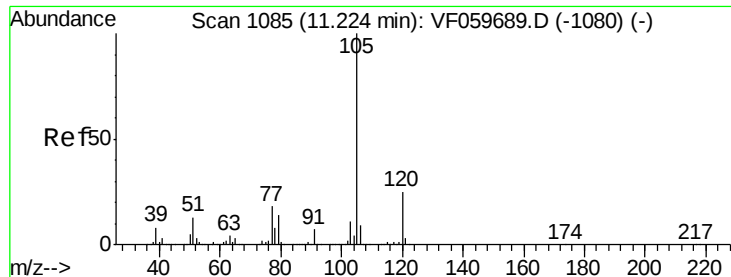


Abundance Ion 152.00 (151.70 to 152.70): V

Ion 115.00 (114.70 to 115.70): V

Ion 150.00 (149.70 to 150.70): V





#73

Isopropylbenzene

Concen: 12.824 ug/l

RT: 11.23 min Scan# 1085

Delta R.T. 0.01 min

Lab File: VF059739.D

Acq: 1 Aug 2018 6:54

Instrument :

MSVOA_F

ClientSampleId :

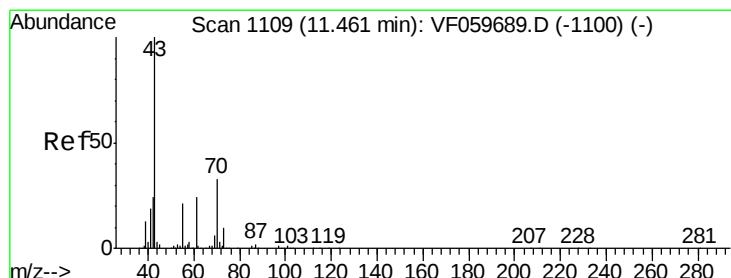
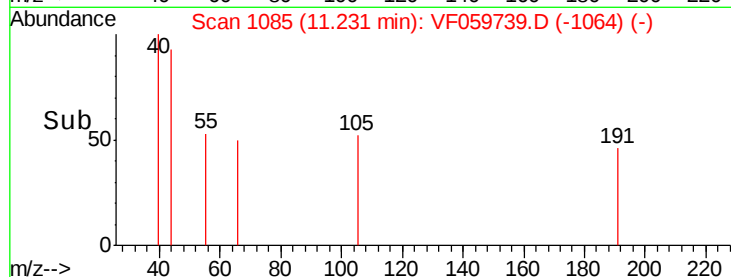
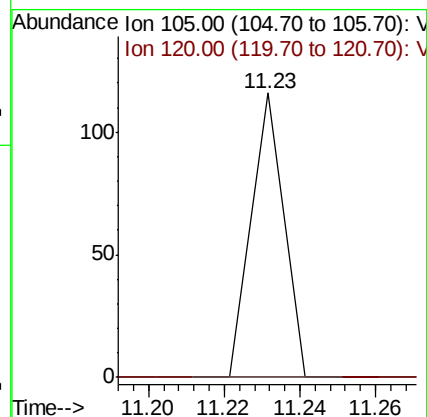
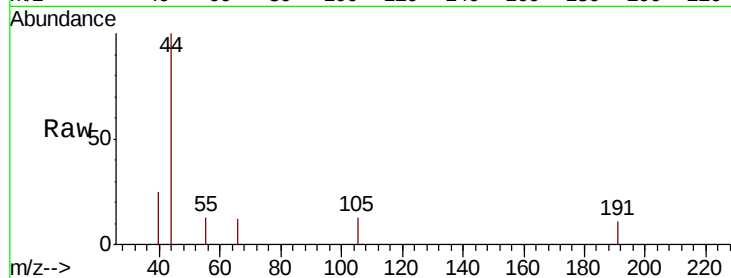
EPE-F-8(75-77)RE

Tot Ion:105 Resp: 69

Ion Ratio Lower Upper

105 100

120 0.0 12.4 37.4#



#74

N-ethyl acetate

Concen: 47.148 ug/l

RT: 11.41 min Scan# 1103

Delta R.T. -0.05 min

Lab File: VF059739.D

Acq: 1 Aug 2018 6:54

Tgt Ion: 43 Resp: 64

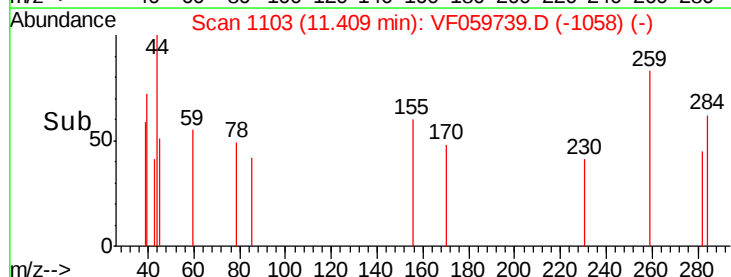
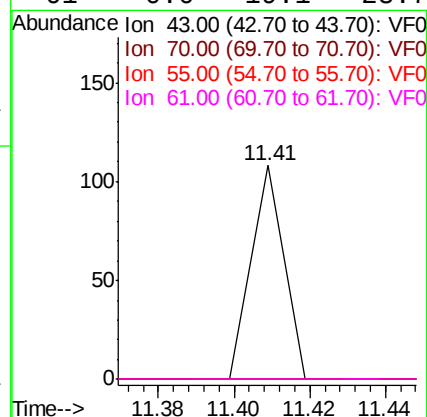
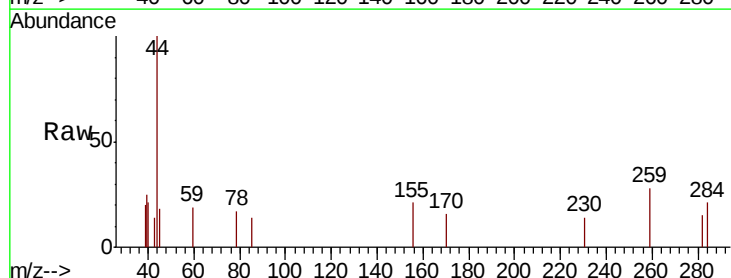
Ion Ratio Lower Upper

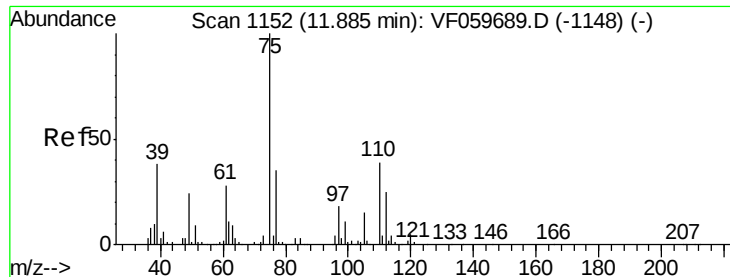
43 100

70 0.0 26.3 39.5#

55 0.0 16.6 25.0#

61 0.0 19.1 28.7#

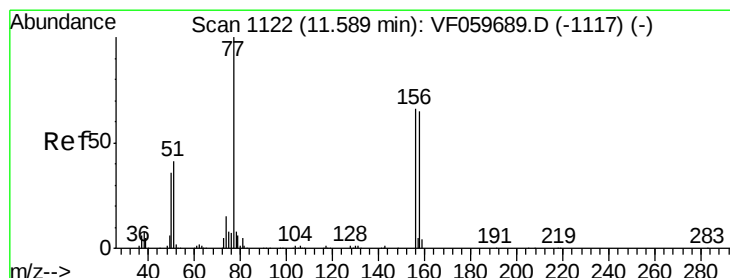
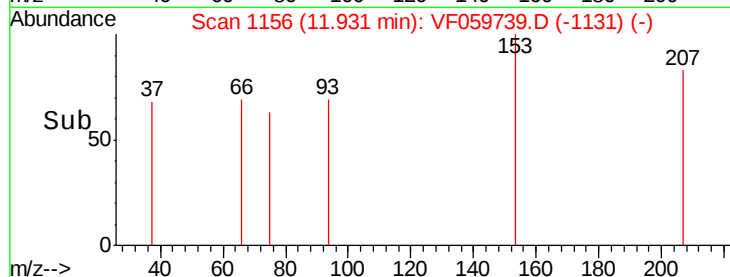
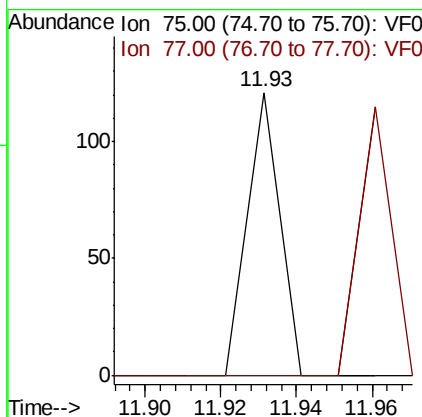
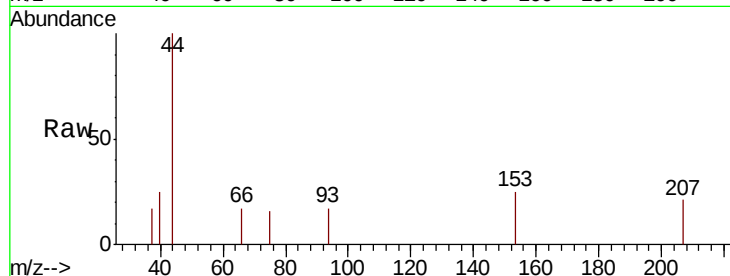




#76
 1,2,3-Trichloropropane
 Concen: 83.602 ug/l
 RT: 11.93 min Scan# 1156
 Delta R.T. 0.05 min
 Lab File: VF059739.D
 Acq: 1 Aug 2018 6:54

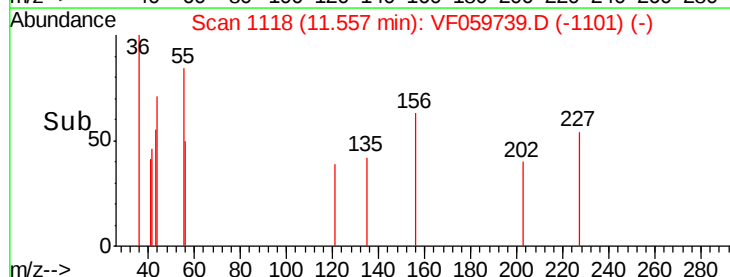
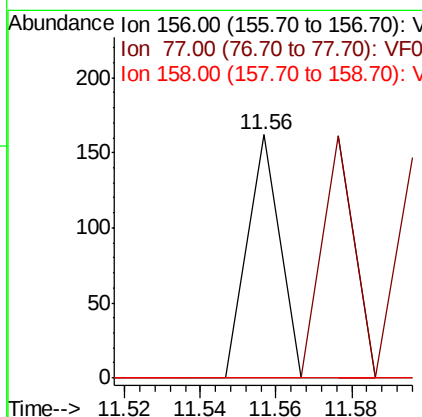
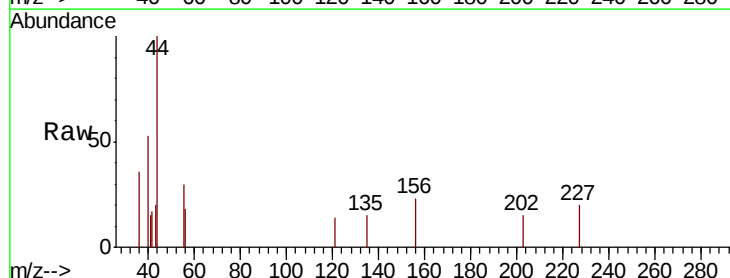
Instrument :
 MSVOA_F
 ClientSampleId :
 EPE-F-8(75-77)RE

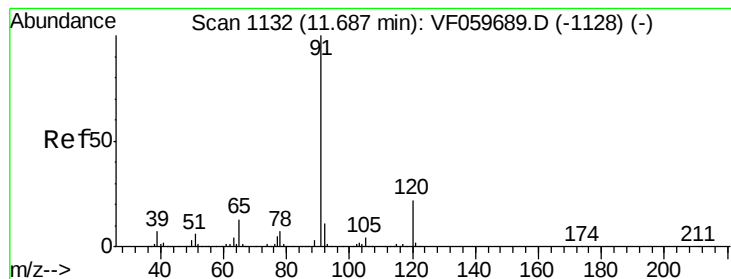
Tot Ion: 75 Resp: 72
 Ion Ratio Lower Upper
 75 100
 77 0.0 18.0 54.0#



#77
 Bromobenzene
 Concen: 68.328 ug/l
 RT: 11.56 min Scan# 1118
 Delta R.T. -0.03 min
 Lab File: VF059739.D
 Acq: 1 Aug 2018 6:54

Tgt Ion: 156 Resp: 96
 Ion Ratio Lower Upper
 156 100
 77 0.0 75.2 225.6#
 158 0.0 49.1 147.3#





#78

n-propylbenzene

Concen: 7.127 ug/l

RT: 11.64 min Scan# 1126

Delta R.T. -0.05 min

Lab File: VF059739.D

Acq: 1 Aug 2018 6:54

Instrument :

MSVOA_F

ClientSampleId :

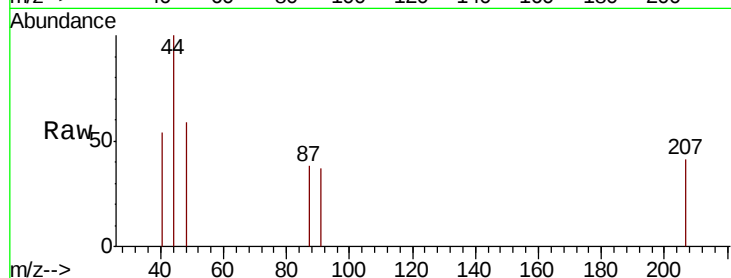
EPE-F-8(75-77)RE

Tot Ion: 91 Resp: 63

Ion Ratio Lower Upper

91 100

120 0.0 11.0 33.0#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V

11.64

100

80

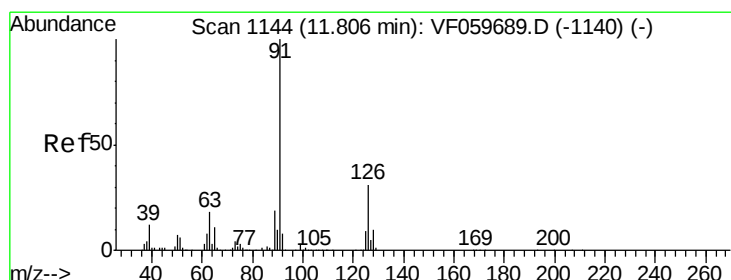
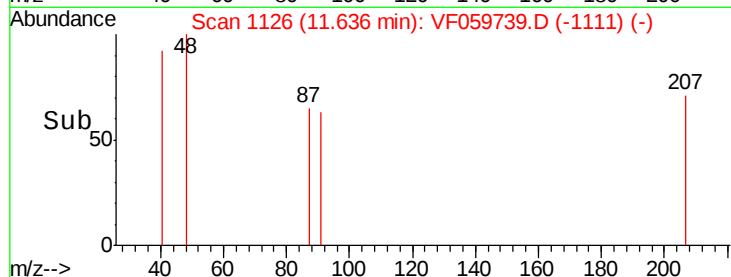
60

40

20

0

Time--> 11.60 11.62 11.64 11.66



#79

2-Chlorotoluene

Concen: 21.086 ug/l

RT: 11.91 min Scan# 1154

Delta R.T. 0.11 min

Lab File: VF059739.D

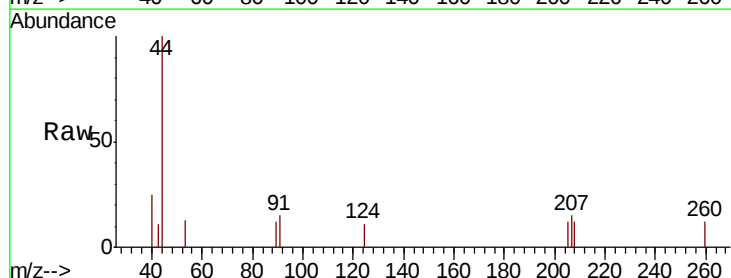
Acq: 1 Aug 2018 6:54

Tgt Ion: 91 Resp: 82

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

11.91

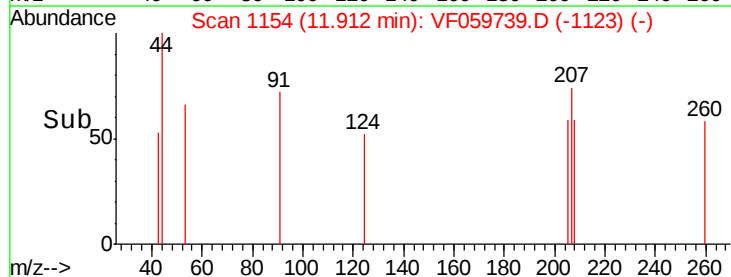
150

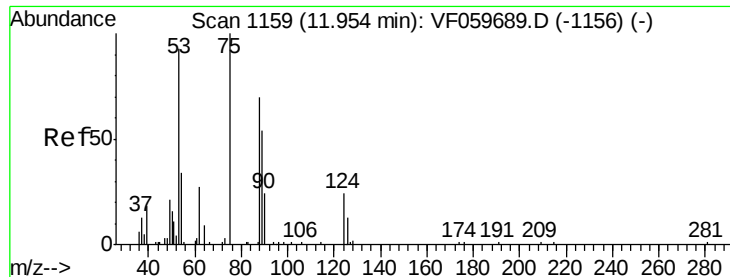
100

50

0

Time--> 11.88 11.90 11.92 11.94





#81

trans-1,4-Dichloro-2-butene

Concen: 201.870 ug/l

RT: 11.93 min Scan# 1156

Delta R.T. -0.02 min

Lab File: VF059739.D

Acq: 1 Aug 2018 6:54

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(75-77)RE

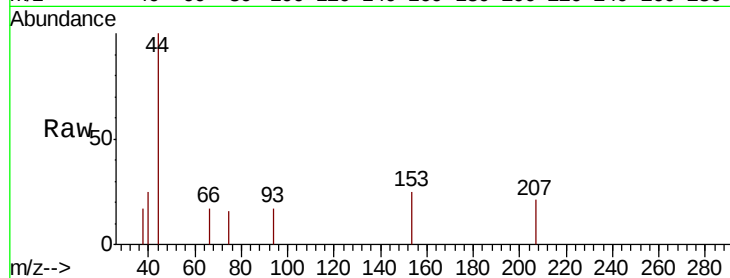
Tot Ion: 75 Resp: 72

Ion Ratio Lower Upper

75 100

53 0.0 78.3 117.5#

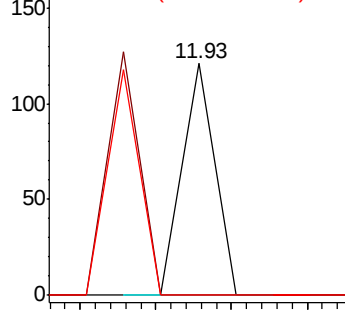
89 0.0 45.4 68.2#



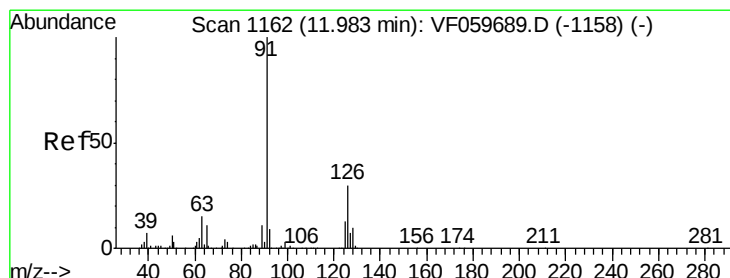
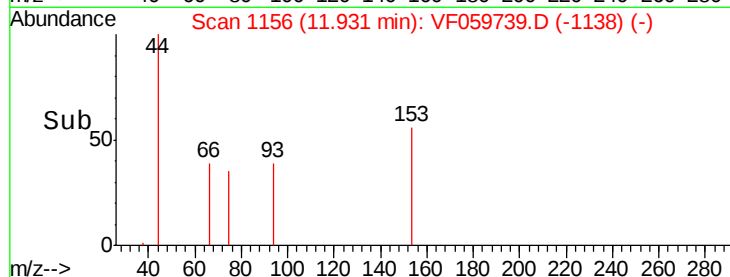
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



Time-->



#82

4-Chlorotoluene

Concen: 17.924 ug/l

RT: 12.00 min Scan# 1163

Delta R.T. 0.02 min

Lab File: VF059739.D

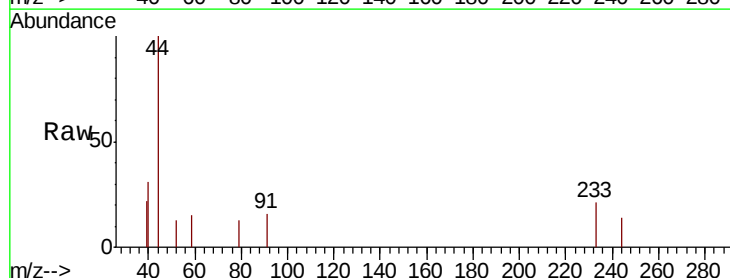
Acq: 1 Aug 2018 6:54

Tgt Ion: 91 Resp: 76

Ion Ratio Lower Upper

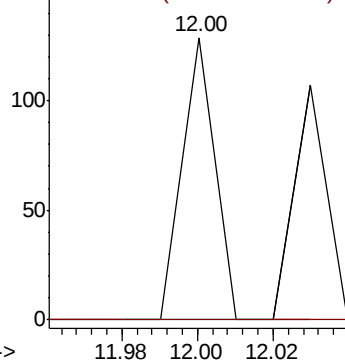
91 100

126 0.0 15.2 45.6#

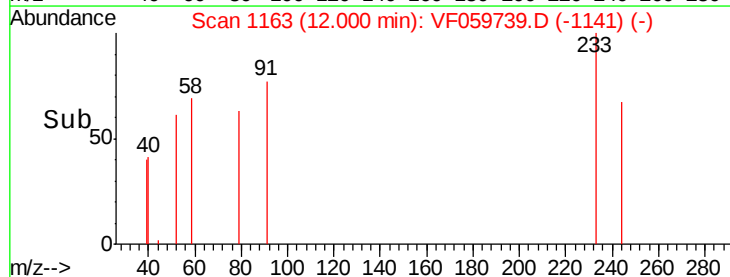


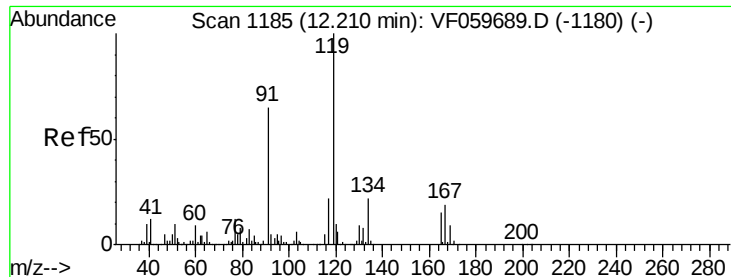
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time-->

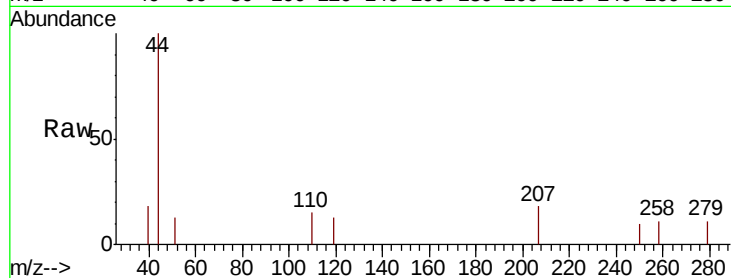




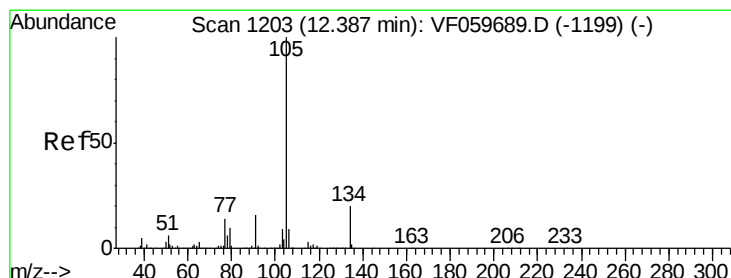
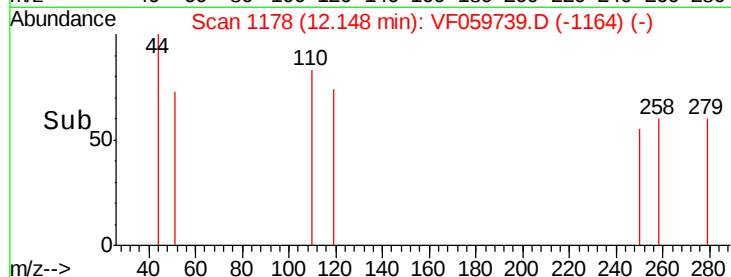
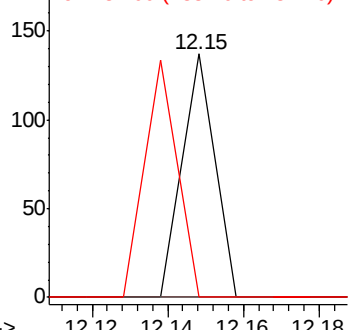
#83
tert-Butylbenzene
Concen: 16.770 ug/l
RT: 12.15 min Scan# 1178
Delta R.T. -0.06 min
Lab File: VF059739.D
Acq: 1 Aug 2018 6:54

Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(75-77)RE

Tot Ion:119 Resp: 81
Ion Ratio Lower Upper
119 100
91 0.0 32.8 98.4#
134 0.0 10.9 32.7#

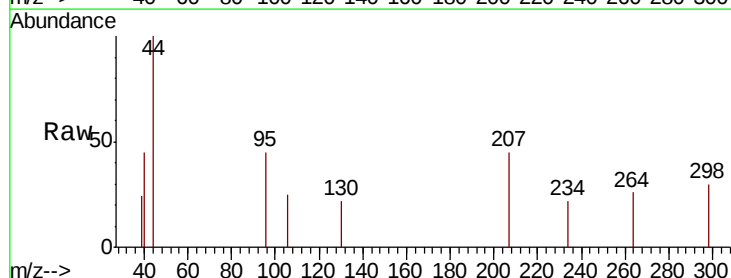


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

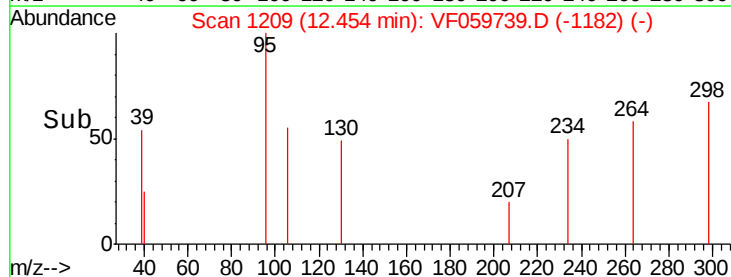
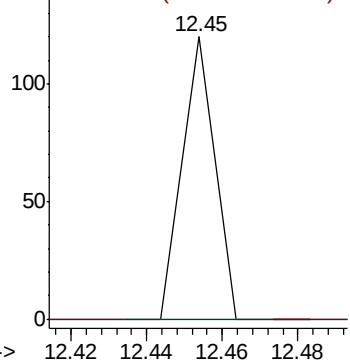


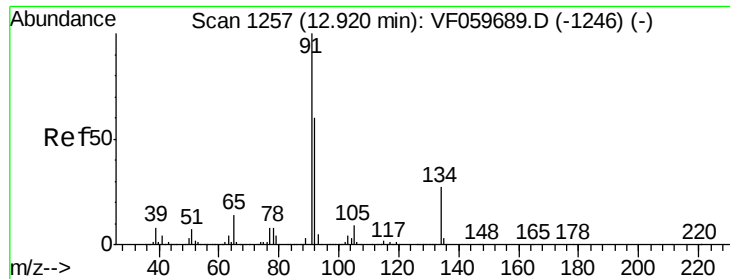
#85
sec-Butylbenzene
Concen: 8.441 ug/l
RT: 12.45 min Scan# 1209
Delta R.T. 0.07 min
Lab File: VF059739.D
Acq: 1 Aug 2018 6:54

Tgt Ion:105 Resp: 71
Ion Ratio Lower Upper
105 100
134 0.0 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 134.00 (133.70 to 134.70): V

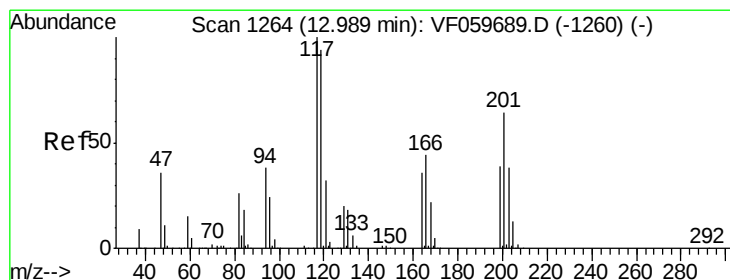
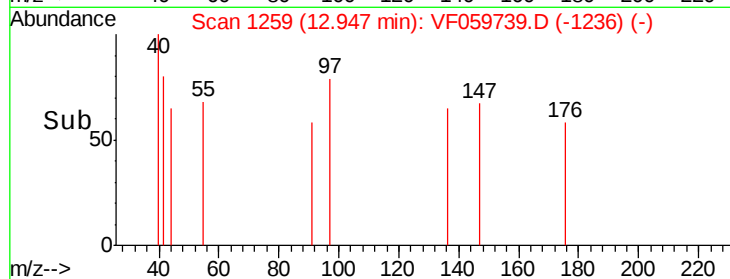
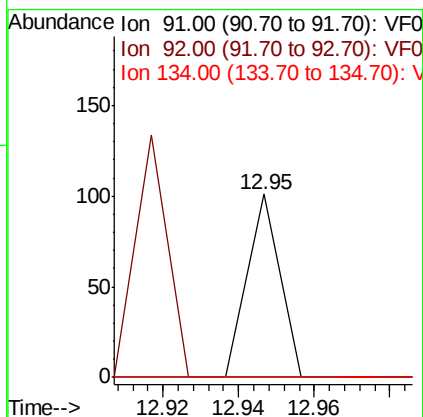
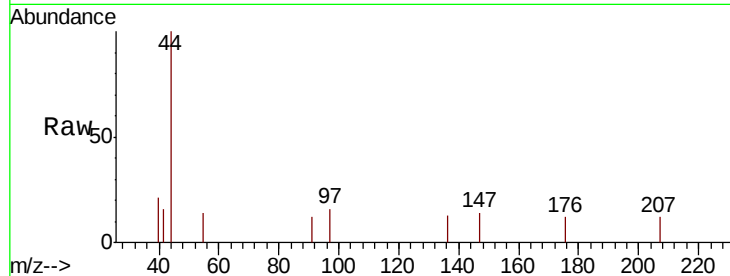




#89
n-Butylbenzene
Concen: 8.417 ug/l
RT: 12.95 min Scan# 1259
Delta R.T. 0.03 min
Lab File: VF059739.D
Acq: 1 Aug 2018 6:54

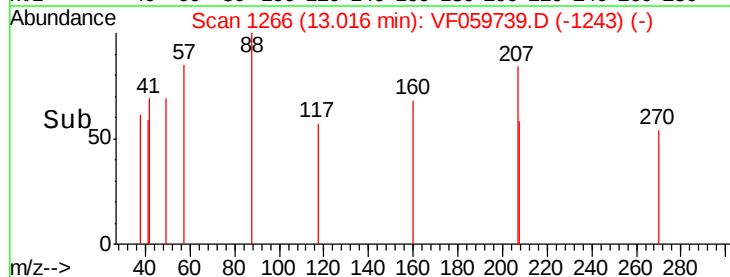
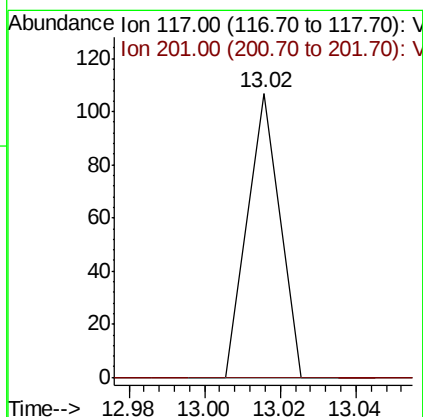
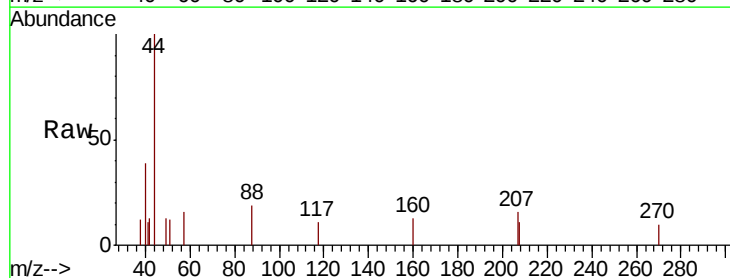
Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(75-77)RE

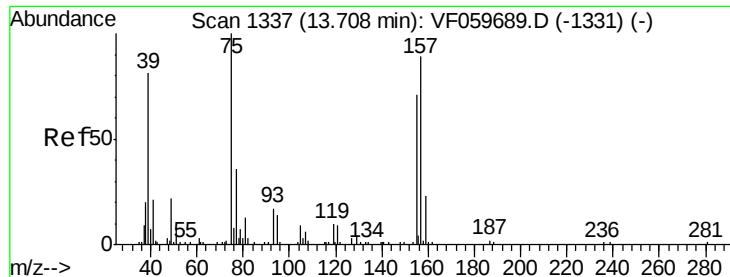
Tot Ion	Ratio	Lower	Upper
91	100		
92	0.0	30.1	90.3#
134	0.0	13.7	41.0#



#90
Hexachloroethane
Concen: 46.424 ug/l
RT: 13.02 min Scan# 1266
Delta R.T. 0.03 min
Lab File: VF059739.D
Acq: 1 Aug 2018 6:54

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





#92

1,2-Dibromo-3-Chloropropane

Concen: 310.998 ug/l

RT: 13.74 min Scan# 1340

Delta R.T. 0.04 min

Lab File: VF059739.D

Acq: 1 Aug 2018 6:54

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(75-77)RE

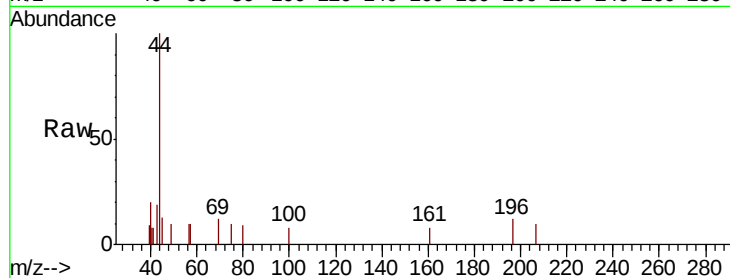
Tot Ion: 75 Resp: 77

Ion Ratio Lower Upper

75 100

155 0.0 35.4 106.2#

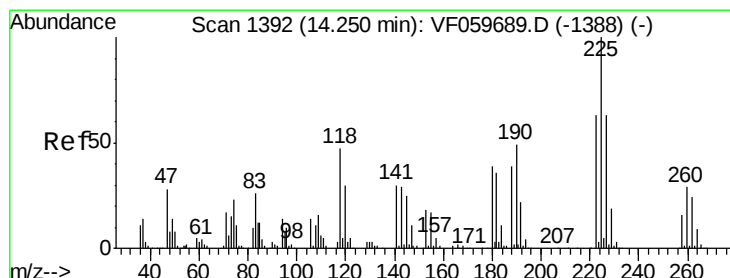
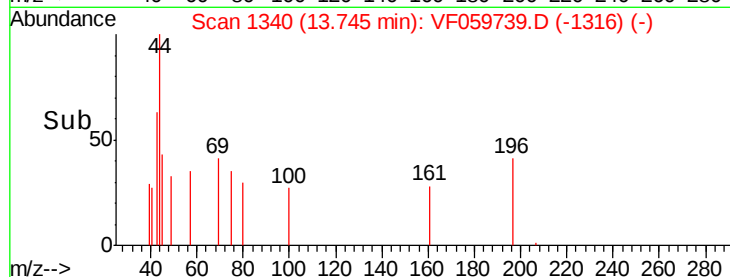
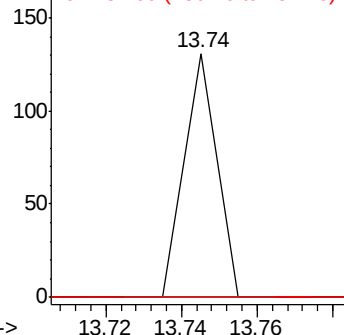
157 0.0 44.4 133.2#



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



#94

Hexachlorobutadiene

Concen: 50.558 ug/l

RT: 14.11 min Scan# 1377

Delta R.T. -0.14 min

Lab File: VF059739.D

Acq: 1 Aug 2018 6:54

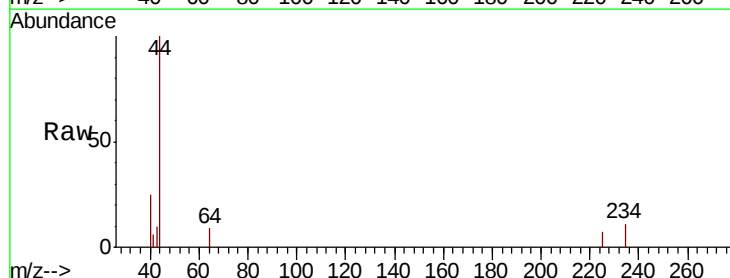
Tgt Ion: 225 Resp: 68

Ion Ratio Lower Upper

225 100

223 0.0 31.4 94.2#

227 0.0 31.5 94.5#



Abundance Ion 225.00 (224.70 to 225.70): V

Ion 223.00 (222.70 to 223.70): V

Ion 227.00 (226.70 to 227.70): V

