

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059717.D
 Acq On : 31 Jul 2018 18:53
 Operator : VA/AP
 Sample : J4140-03
 Misc : 16.60g/5mL/MSVOA F/SOIL
 ALS Vial : 98 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EPE-F-8(90-92)

Quant Time: Jul 31 19:15:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F073018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 31 05:19:18 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.04	168	6155	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.76	114	6182	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	2403	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	200	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	2330	21.06	ug/l	0.00
Spiked Amount			Recovery	=	42.12%	
35) Dibromofluoromethane	4.29	113	2463	38.36	ug/l	0.00
Spiked Amount			Recovery	=	76.72%	
50) Toluene-d8	7.71	98	5635	37.63	ug/l	0.00
Spiked Amount			Recovery	=	75.26%	
62) 4-Bromofluorobenzene	11.50	95	497	6.00	ug/l	0.00
Spiked Amount			Recovery	=	12.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.10	50	253	2.392	ug/l #	38
4) Vinyl Chloride	1.26	62	70	Below Cal	#	47
5) Bromomethane	1.28	94	86	Below Cal	#	4
6) Chloroethane	1.39	64	189	4.169	ug/l #	35
8) Diethyl Ether	1.62	74	69	3.511	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	1.88	101	64	1.063	ug/l #	22
12) 1,1-Dichloroethene	1.85	96	82	1.720	ug/l #	1
13) Acrolein	1.92	56	103	57.320	ug/l #	4
15) Acrylonitrile	3.07	53	63	8.875	ug/l #	7
16) Acetone	2.31	43	182	9.147	ug/l #	68
17) Carbon Disulfide	2.04	76	88	Below Cal	#	71
18) Methyl Acetate	2.48	43	125	Below Cal	#	64
21) trans-1,2-Dichloroethene	2.32	96	63	Below Cal	#	1
23) Vinyl Acetate	3.31	43	202	2.441	ug/l #	83
25) 2-Butanone	4.57	43	214	9.638	ug/l #	74
26) 2,2-Dichloropropane	3.60	77	88	1.104	ug/l #	66
28) Bromochloromethane	3.76	49	96	Below Cal	#	15
29) Tetrahydrofuran	4.33	42	94	11.014	ug/l #	39
31) Cyclohexane	3.88	56	85	Below Cal	#	15
37) Ethyl Acetate	4.26	43	295	5.430	ug/l #	19
39) Methylcyclohexane	5.53	83	70	Below Cal	#	13
41) Methacrylonitrile	4.85	41	150	7.237	ug/l #	24
43) Isopropyl Acetate	7.09	43	99	2.678	ug/l #	46
48) Methyl methacrylate	6.78	41	181	6.510	ug/l #	13
51) 4-Methyl-2-Pentanone	8.40	43	117	4.161	ug/l #	42
52) Toluene	7.66	92	61	Below Cal	#	1
56) Ethyl methacrylate	8.70	69	76	2.155	ug/l #	14
57) 1,3-Dichloropropane	9.05	76	80	1.379	ug/l #	41
59) 2-Hexanone	9.63	43	134	5.947	ug/l #	30
67) Ethyl Benzene	10.03	91	205	2.465	ug/l #	46
70) Styrene	11.02	104	61	1.314	ug/l #	26
73) Isopropylbenzene	11.32	105	74	5.639	ug/l #	50
74) N-amyl acetate	11.44	43	64	19.331	ug/l #	48
76) 1,2,3-Trichloropropane	11.82	75	132	62.841	ug/l	83

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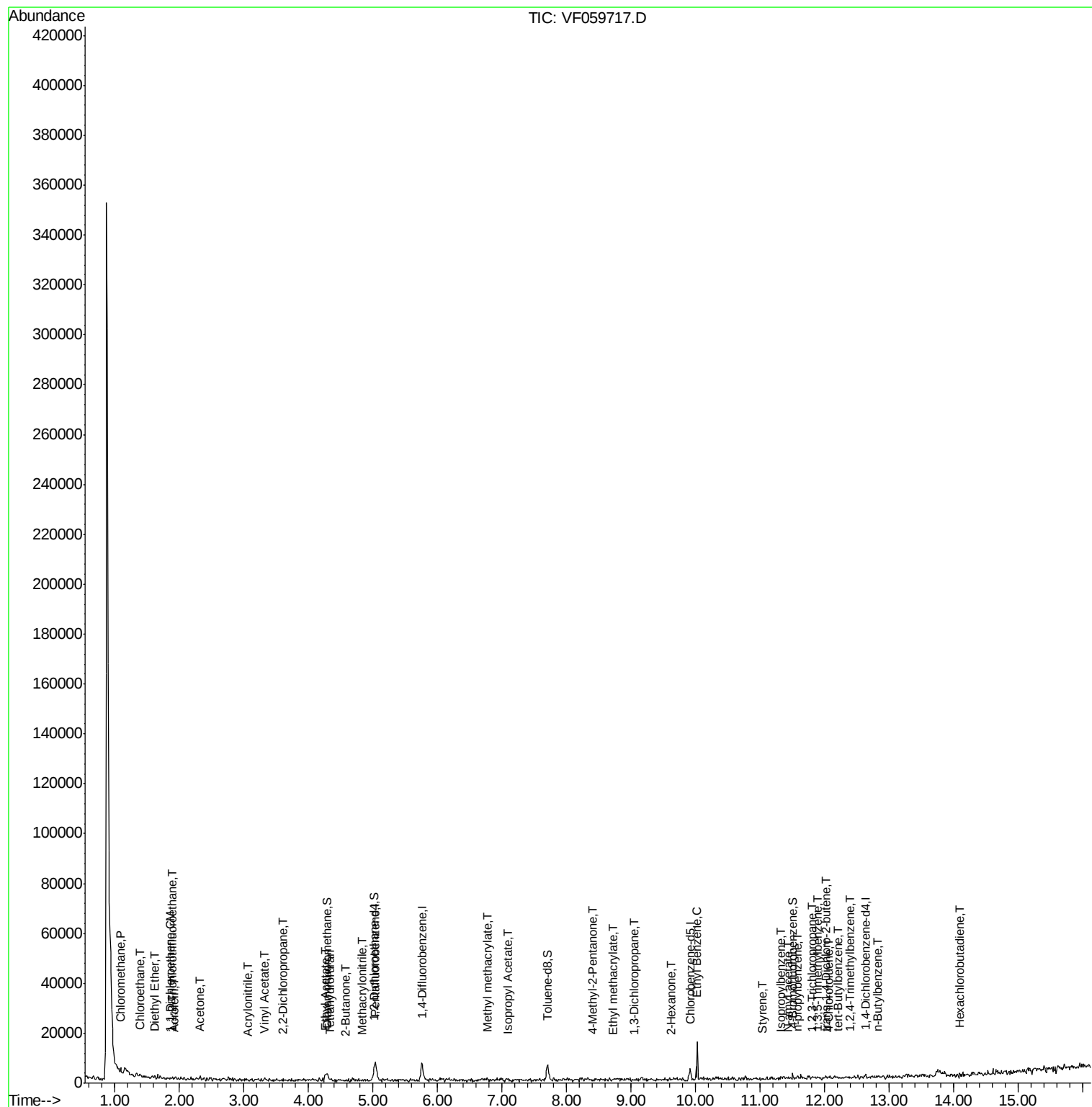
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
78) n-propylbenzene	11.58	91	99	2.611	ug/l #	54
80) 1,3,5-Trimethylbenzene	11.89	105	92	4.493	ug/l #	31
81) trans-1,4-Dichloro-2-buten	12.00	75	89	102.309	ug/l #	9
82) 4-Chlorotoluene	12.05	91	68	3.812	ug/l #	44
83) tert-Butylbenzene	12.21	119	66	5.603	ug/l #	26
84) 1,2,4-Trimethylbenzene	12.39	105	61	1.370	ug/l #	33
85) sec-Butylbenzene	12.39	105	61	Below Cal	#	57
89) n-Butylbenzene	12.82	91	74	1.048	ug/l #	29
94) Hexachlorobutadiene	14.08	225	63	19.205	ug/l #	19

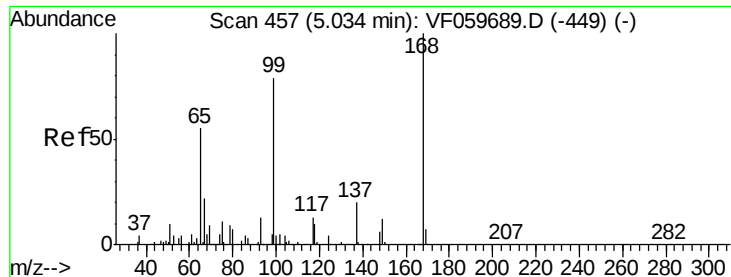
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.04 min Scan# 458

Delta R.T. 0.01 min

Lab File: VF059717.D

Acq: 31 Jul 2018 18:53

Instrument :

MSVOA_F

ClientSampleId :

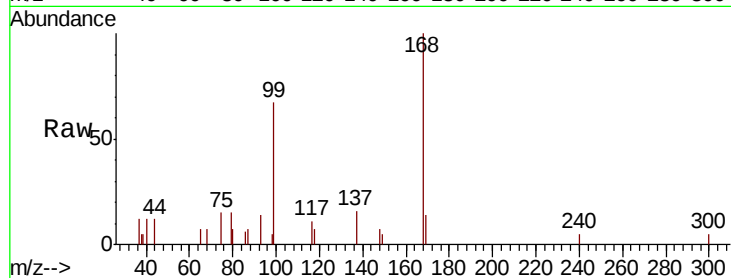
EPE-F-8(90-92)

Tot Ion:168 Resp: 6155

Ion Ratio Lower Upper

168 100

99 66.8 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

2500

2000

1500

1000

500

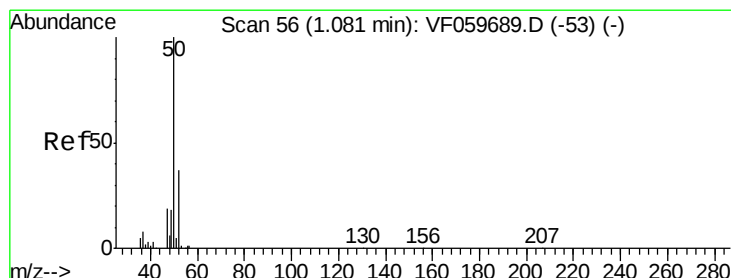
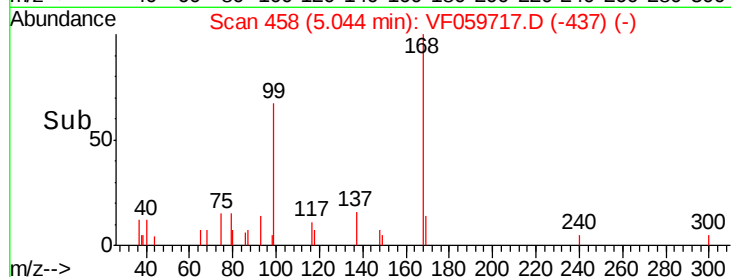
0

4.90

5.00

5.10

Time-->



#3

Chloromethane

Concen: 2.392 ug/l

RT: 1.10 min Scan# 58

Delta R.T. 0.02 min

Lab File: VF059717.D

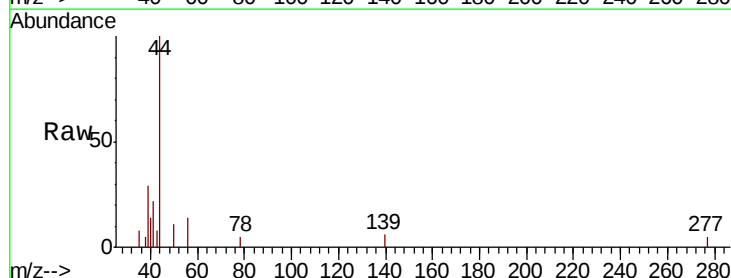
Acq: 31 Jul 2018 18:53

Tgt Ion: 50 Resp: 253

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

1.10

250

200

150

100

50

0

1.06

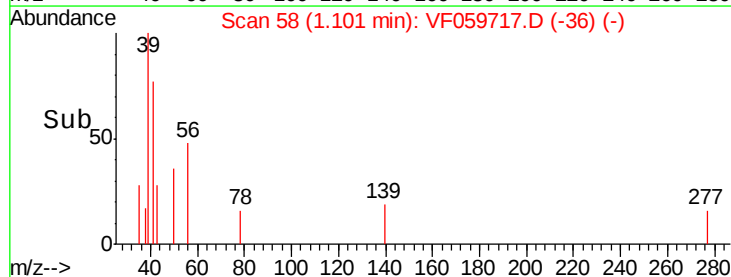
1.08

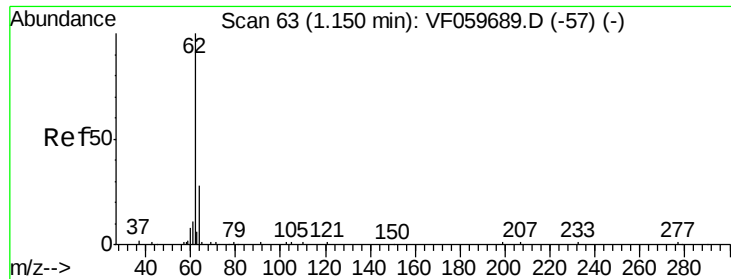
1.10

1.12

1.14

Time-->





#4

Vinyl Chloride

Concen: Below Cal

RT: 1.26 min Scan# 74

Delta R.T. 0.11 min

Lab File: VF059717.D

Acq: 31 Jul 2018 18:53

Instrument :

MSVOA_F

ClientSampleId :

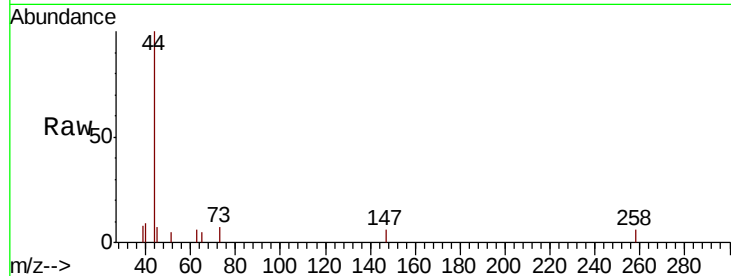
EPE-F-8(90-92)

Tot Ion: 62 Resp: 70

Ion Ratio Lower Upper

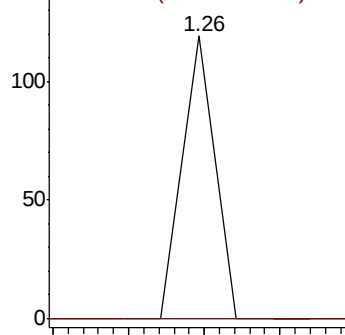
62 100

64 0.0 22.6 33.8#

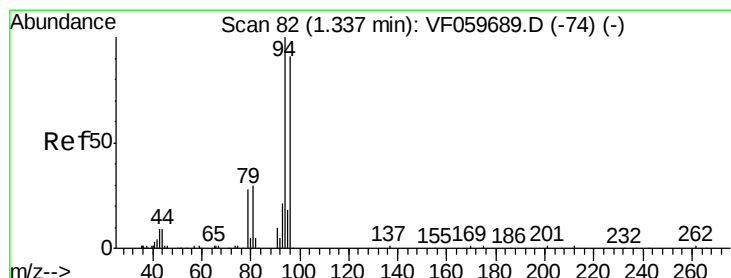
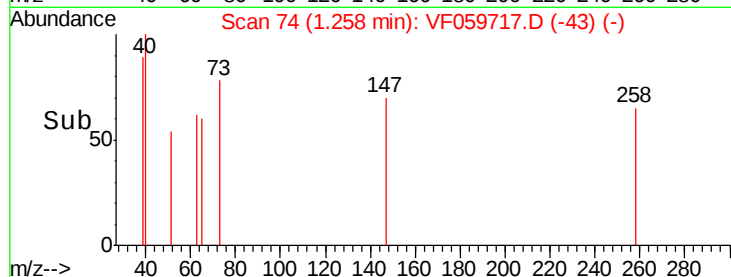


Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0



Time--> 1.22 1.24 1.26 1.28



#5

Bromomethane

Concen: Below Cal

RT: 1.28 min Scan# 76

Delta R.T. -0.06 min

Lab File: VF059717.D

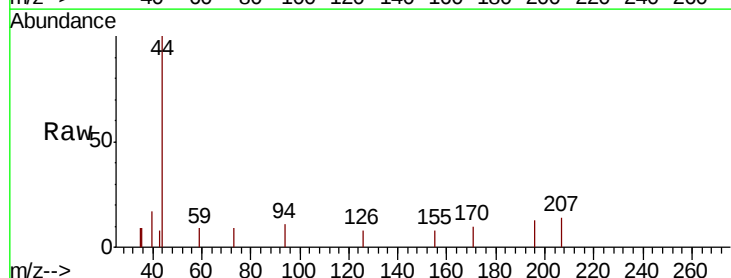
Acq: 31 Jul 2018 18:53

Tgt Ion: 94 Resp: 86

Ion Ratio Lower Upper

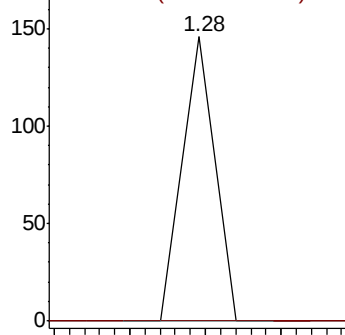
94 100

96 0.0 73.6 110.4#

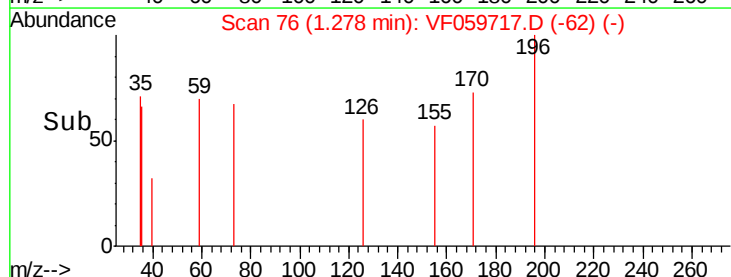


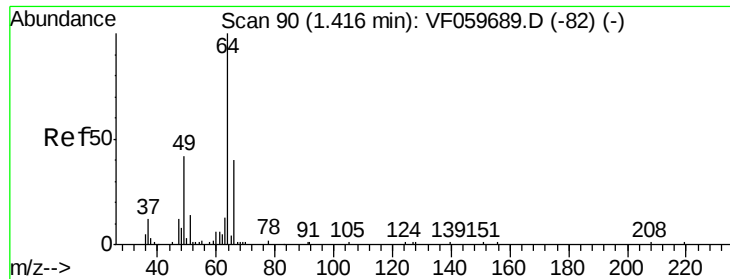
Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0



Time--> 1.24 1.26 1.28 1.30





#6

Chloroethane

Concen: 4.169 ug/l

RT: 1.39 min Scan# 87

Delta R.T. -0.03 min

Lab File: VF059717.D

Acq: 31 Jul 2018 18:53

Instrument :

MSVOA_F

ClientSampleId :

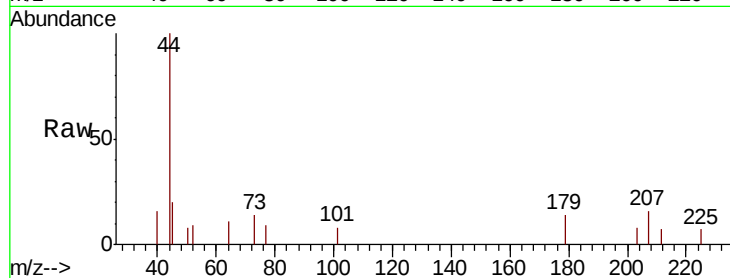
EPE-F-8(90-92)

Tot Ion: 64 Resp: 189

Ion Ratio Lower Upper

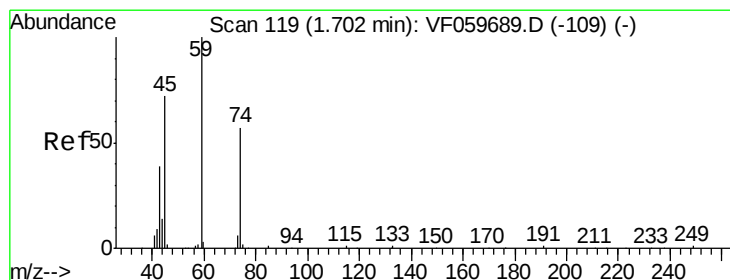
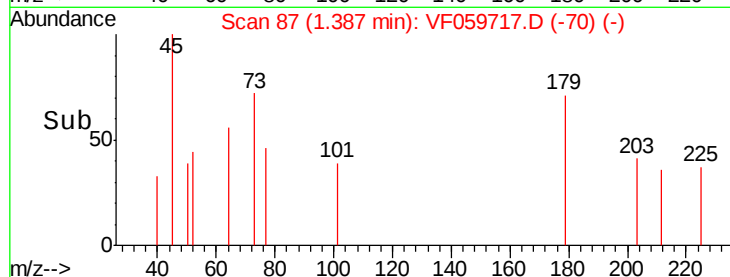
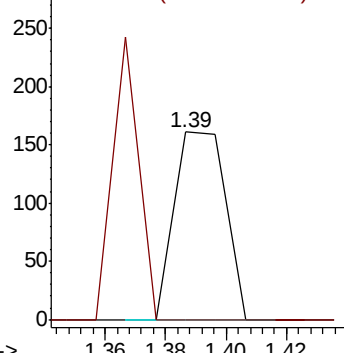
64 100

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



#8

Diethyl Ether

Concen: 3.511 ug/l

RT: 1.62 min Scan# 111

Delta R.T. -0.08 min

Lab File: VF059717.D

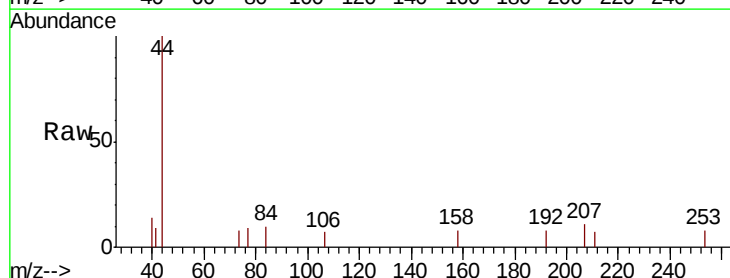
Acq: 31 Jul 2018 18:53

Tgt Ion: 74 Resp: 69

Ion Ratio Lower Upper

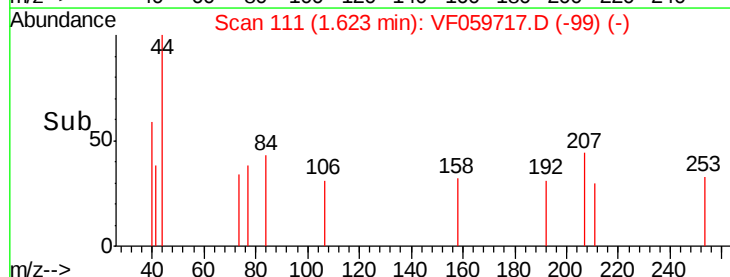
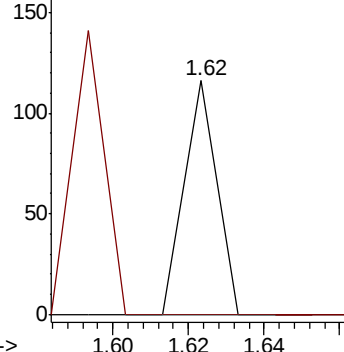
74 100

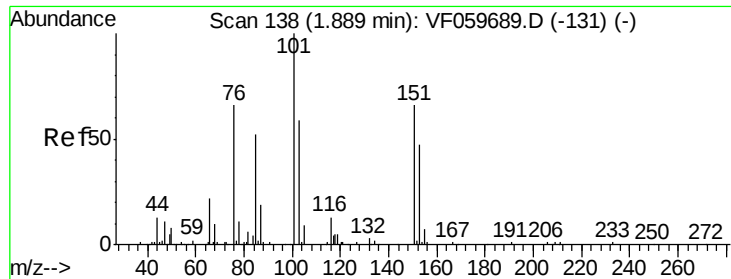
45 0.0 62.7 188.2#



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.063 ug/l

RT: 1.88 min Scan# 137

Delta R.T. -0.01 min

Lab File: VF059717.D

Acq: 31 Jul 2018 18:53

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EPE-F-8(90-92)

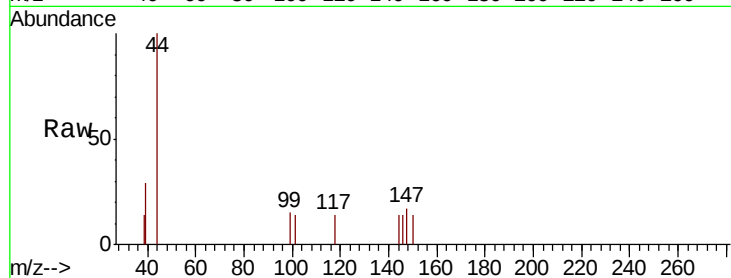
Tot Ion:101 Resp: 64

Ion Ratio Lower Upper

101 100

85 0.0 40.7 61.1#

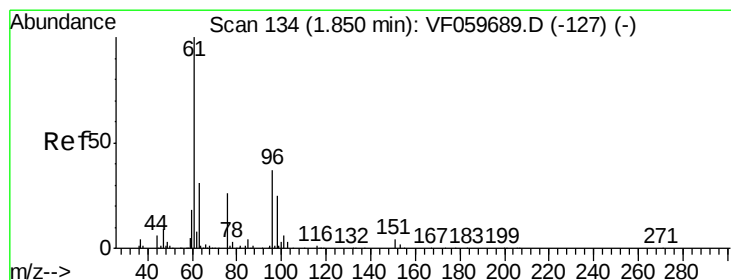
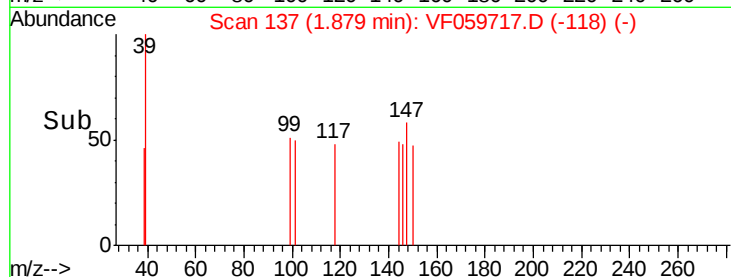
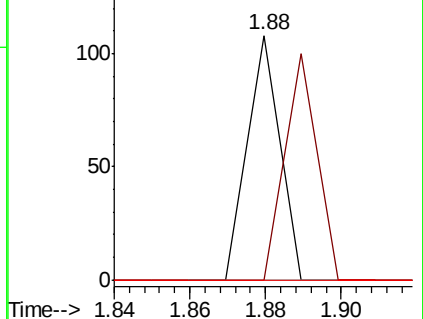
151 0.0 51.4 77.2#



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



#12

1,1-Dichloroethene

Concen: 1.720 ug/l

RT: 1.85 min Scan# 134

Delta R.T. 0.00 min

Lab File: VF059717.D

Acq: 31 Jul 2018 18:53

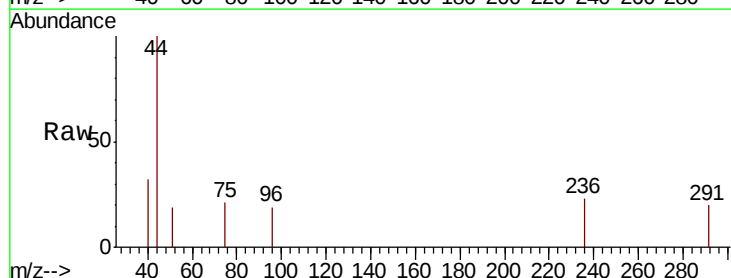
Tgt Ion: 96 Resp: 82

Ion Ratio Lower Upper

96 100

61 0.0 215.1 322.7#

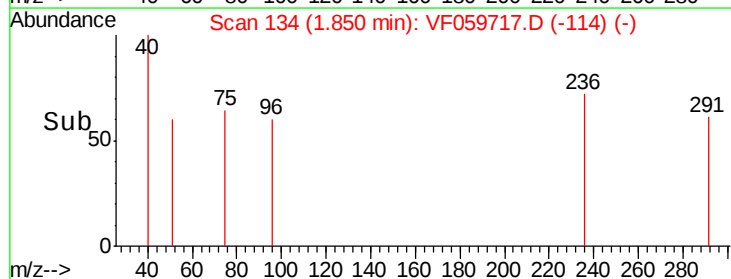
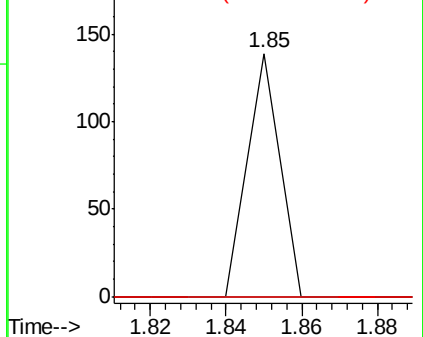
98 0.0 54.3 81.5#

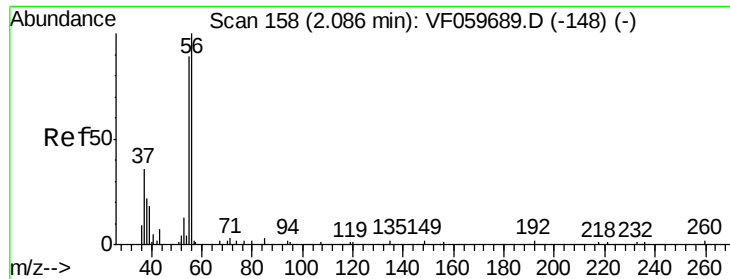


Abundance Ion 96.00 (95.70 to 96.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#13

Acrolein

Concen: 57.320 ug/l

RT: 1.92 min Scan# 141

Delta R.T. -0.17 min

Lab File: VF059717.D

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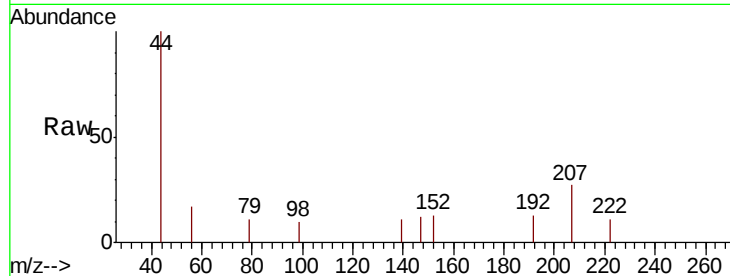
EPE-F-8(90-92)

Tot Ion: 56 Resp: 103

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

1.92

150

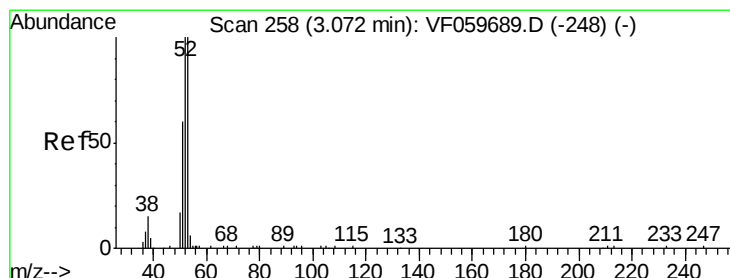
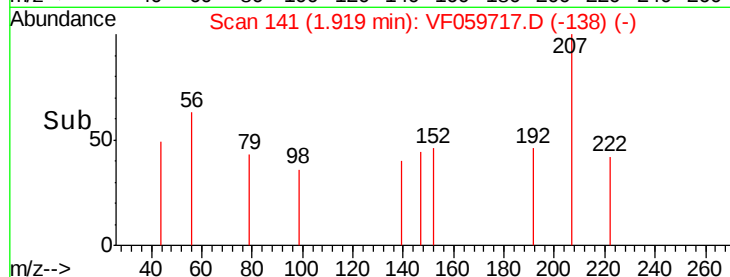
100

50

0

1.90 1.92 1.94

Time-->



#15

Acrylonitrile

Concen: 8.875 ug/l

RT: 3.07 min Scan# 258

Delta R.T. 0.00 min

Lab File: VF059717.D

Acq: 31 Jul 2018 18:53

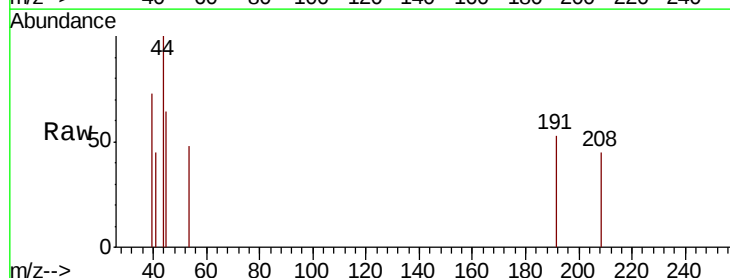
Tgt Ion: 53 Resp: 63

Ion Ratio Lower Upper

53 100

52 0.0 80.3 120.5#

51 0.0 49.4 74.0#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

150

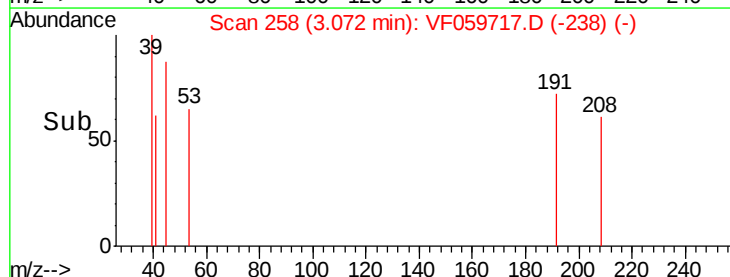
100

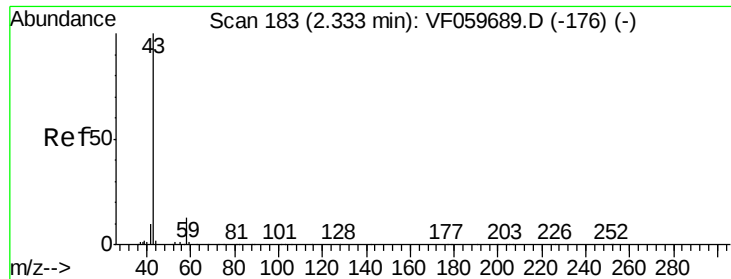
50

0

3.06 3.07 3.10

Time-->





#16

Acetone

Concen: 9.147 ug/l

RT: 2.31 min Scan# 181

Delta R.T. -0.02 min

Lab File: VF059717.D

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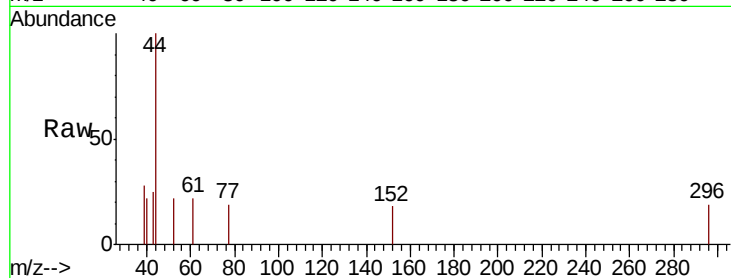
EPE-F-8(90-92)

Tot Ion: 43 Resp: 182

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

150

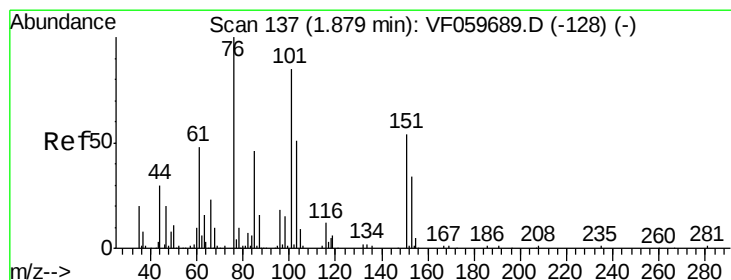
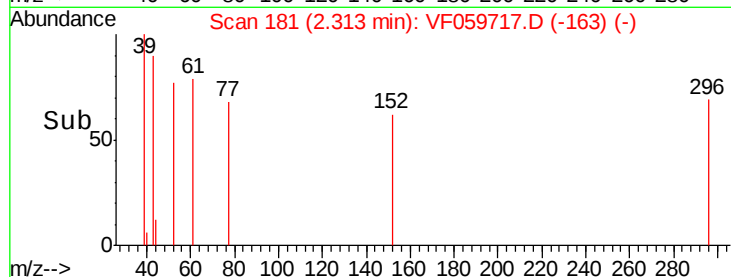
100

50

0

2.30 2.32 2.34

Time-->



#17

Carbon Disulfide

Concen: Below Cal

RT: 2.04 min Scan# 153

Delta R.T. 0.16 min

Lab File: VF059717.D

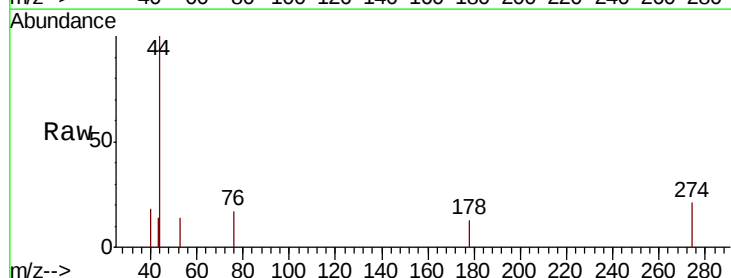
Acq: 31 Jul 2018 18:53

Tgt Ion: 76 Resp: 88

Ion Ratio Lower Upper

76 100

78 0.0 8.9 13.3#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

2.04

150

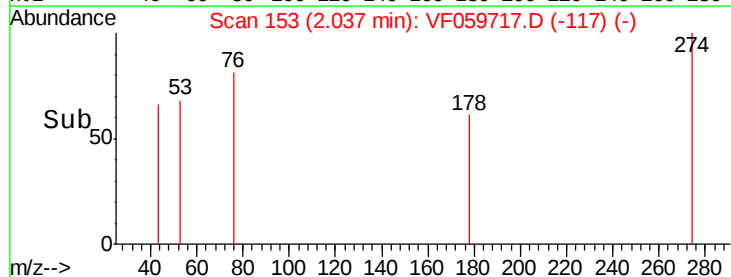
100

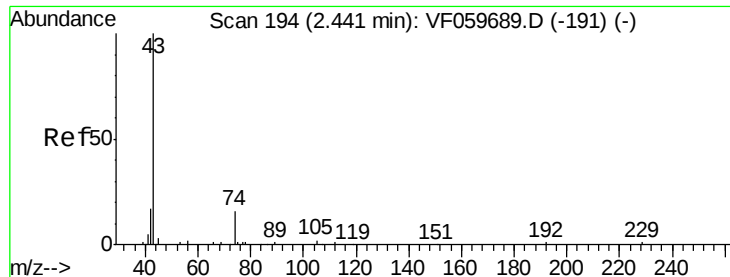
50

0

2.02 2.04

Time-->

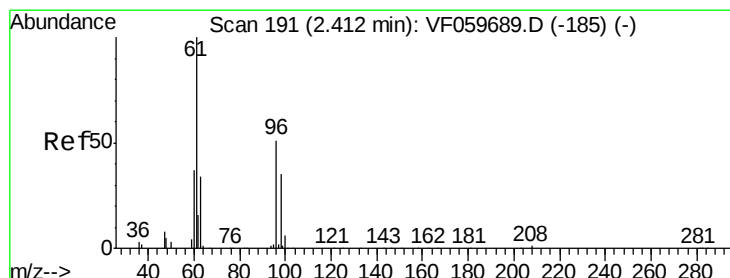
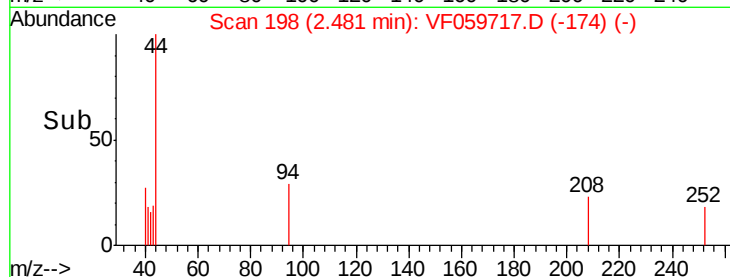
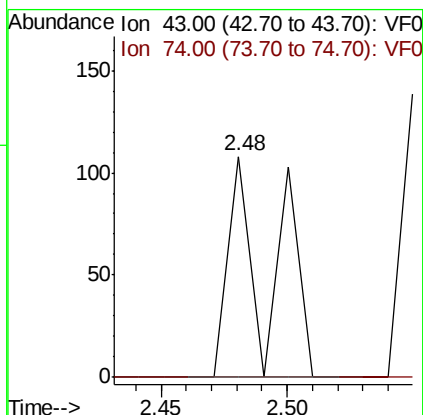
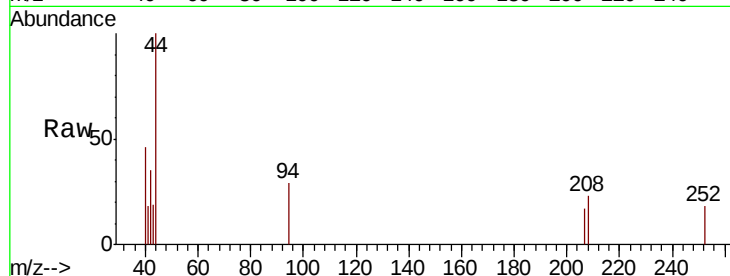




#18
Methvl Acetate
Concen: Below Cal
RT: 2.48 min Scan# 198
Delta R.T. 0.04 min
Lab File: VF059717.D
Acq: 31 Jul 2018 18:53

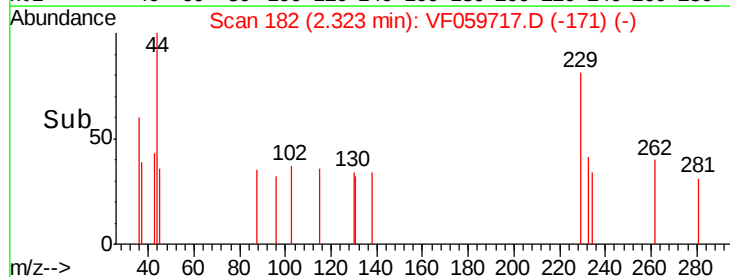
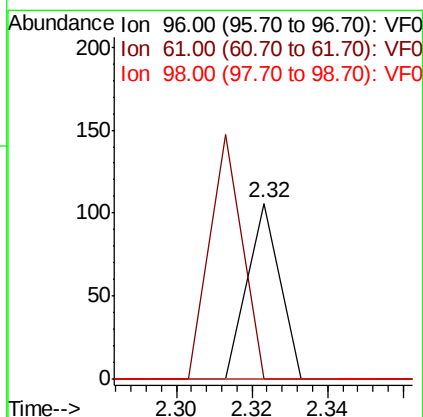
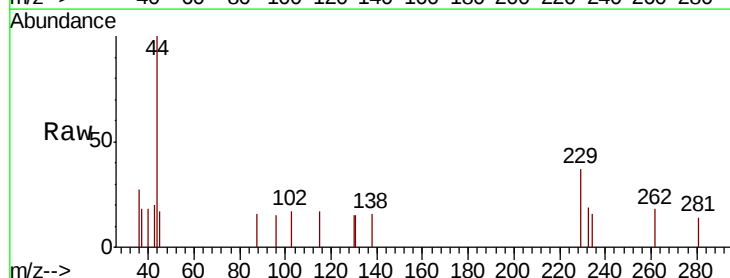
Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(90-92)

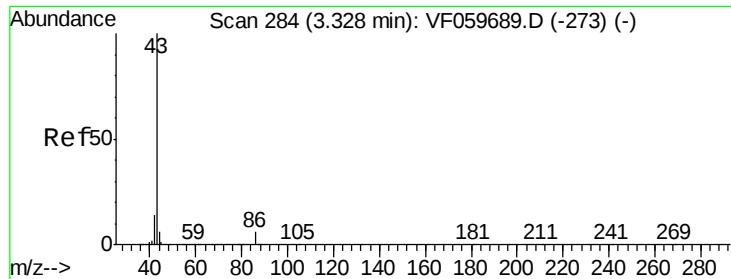
Tot Ion: 43 Resp: 125
Ion Ratio Lower Upper
43 100
74 0.0 11.8 17.6#



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 2.32 min Scan# 182
Delta R.T. -0.09 min
Lab File: VF059717.D
Acq: 31 Jul 2018 18:53

Tgt Ion: 96 Resp: 63
Ion Ratio Lower Upper
96 100
61 0.0 157.4 236.0#
98 0.0 55.0 82.4#





#23

Vinyl Acetate

Concen: 2.441 ug/l

RT: 3.31 min Scan# 282

Delta R.T. -0.02 min

Lab File: VF059717.D

Acq: 31 Jul 2018 18:53

Instrument :

MSVOA_F

ClientSampleId :

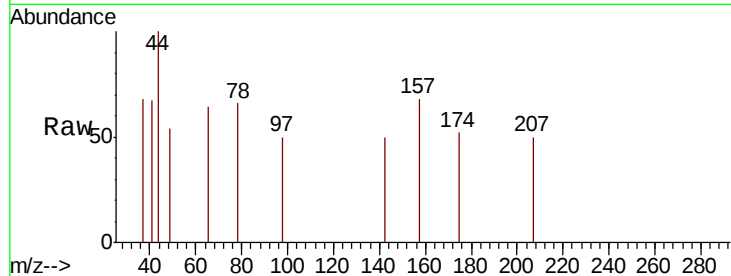
EPE-F-8(90-92)

Tot Ion: 43 Resp: 202

Ion Ratio Lower Upper

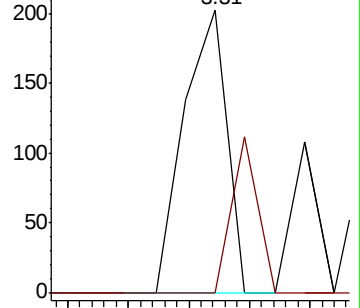
43 100

86 0.0 4.6 6.8#

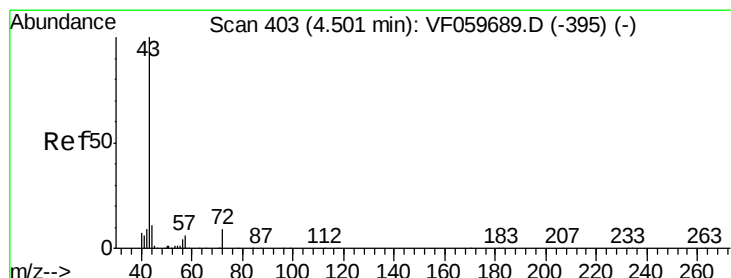
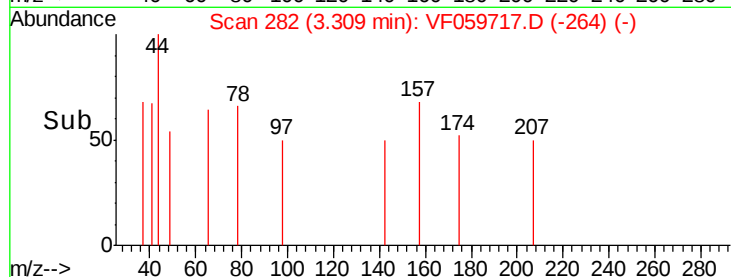


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time-->



#25

2-Butanone

Concen: 9.638 ug/l

RT: 4.57 min Scan# 410

Delta R.T. 0.07 min

Lab File: VF059717.D

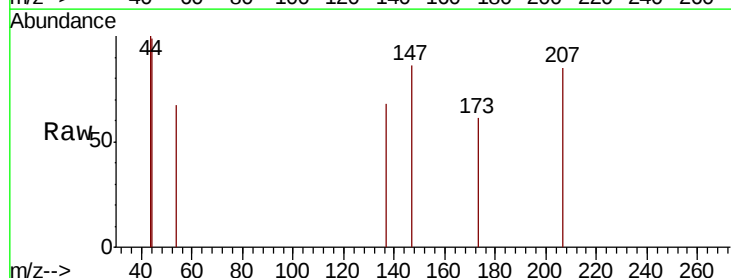
Acq: 31 Jul 2018 18:53

Tgt Ion: 43 Resp: 214

Ion Ratio Lower Upper

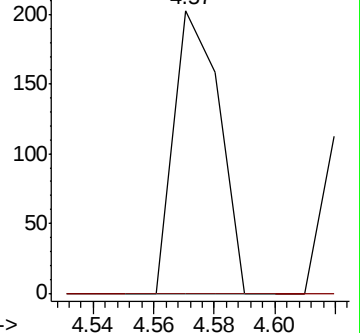
43 100

72 0.0 7.7 11.5#

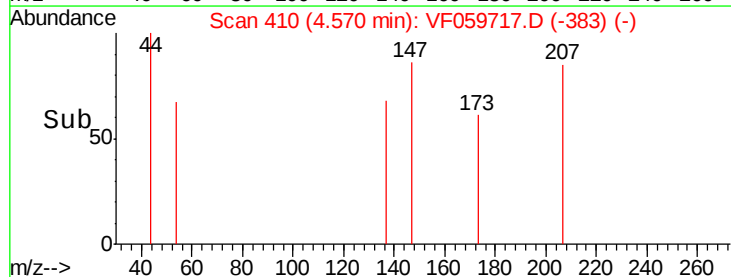


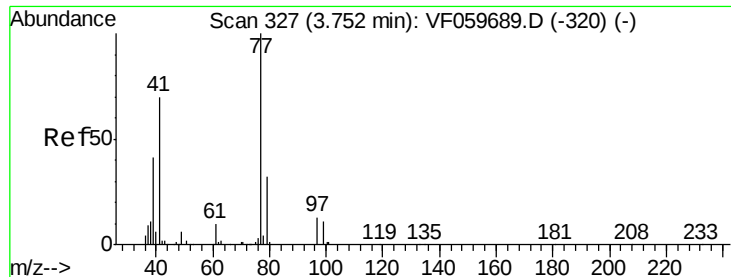
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



Time-->





#26

2,2-Dichloropropane

Concen: 1.104 ug/l

RT: 3.60 min Scan# 312

Delta R.T. -0.15 min

Lab File: VF059717.D

Acq: 31 Jul 2018 18:53

Instrument :

MSVOA_F

ClientSampleId :

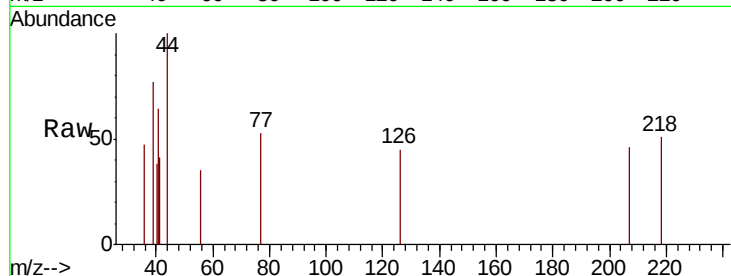
EPE-F-8(90-92)

Tot Ion: 77 Resp: 88

Ion Ratio Lower Upper

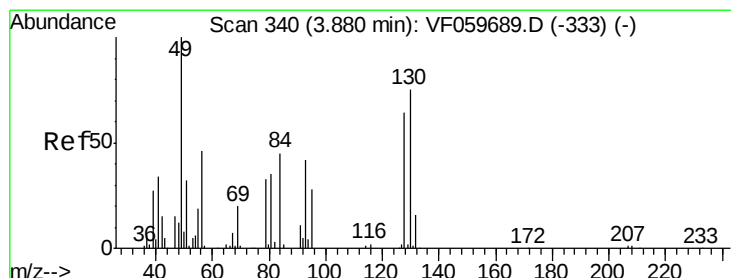
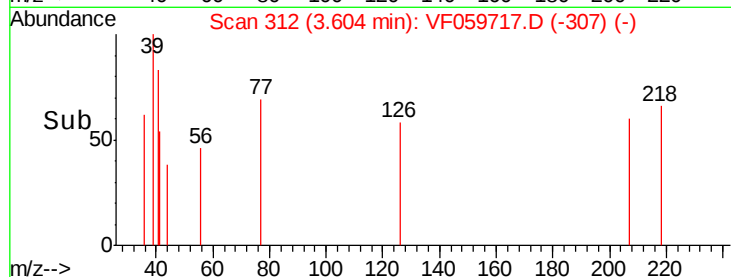
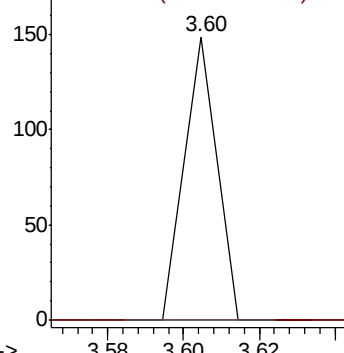
77 100

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



#28

Bromochloromethane

Concen: Below Cal

RT: 3.76 min Scan# 328

Delta R.T. -0.12 min

Lab File: VF059717.D

Acq: 31 Jul 2018 18:53

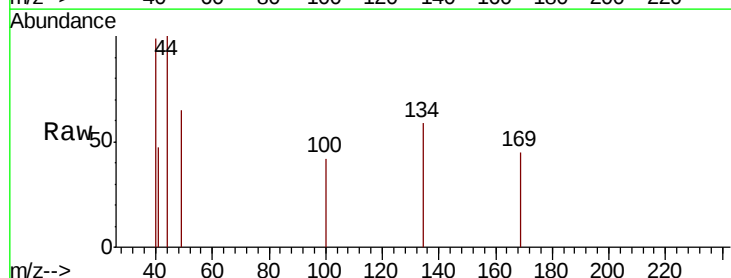
Tgt Ion: 49 Resp: 96

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

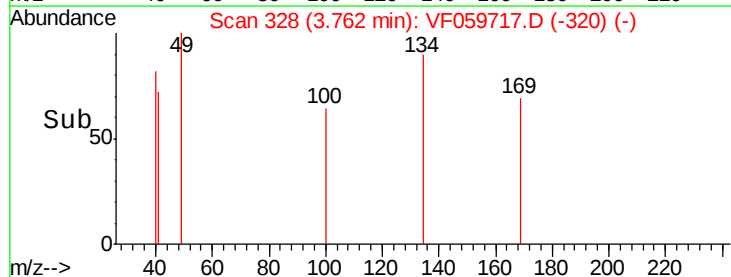
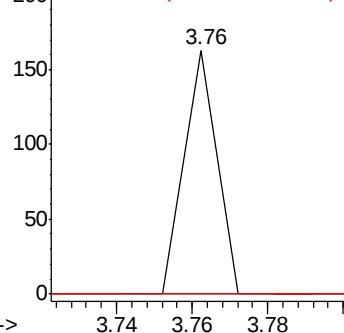
130 0.0 59.6 89.4#

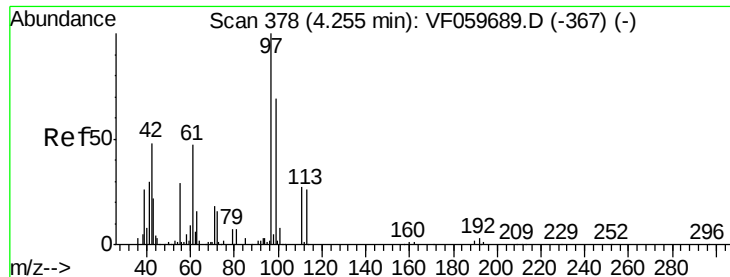


Abundance Ion 49.00 (48.70 to 49.70): VF0

Ion 129.00 (128.70 to 129.70): V

Ion 130.00 (129.70 to 130.70): V





#29

Tetrahydrofuran

Concen: 11.014 ug/l

RT: 4.33 min Scan# 386

Delta R.T. 0.08 min

Lab File: VF059717.D

Acq: 31 Jul 2018 18:53

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(90-92)

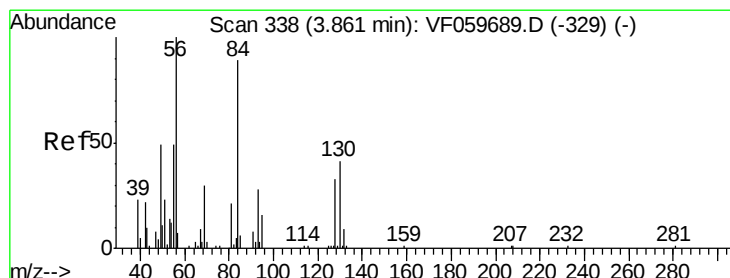
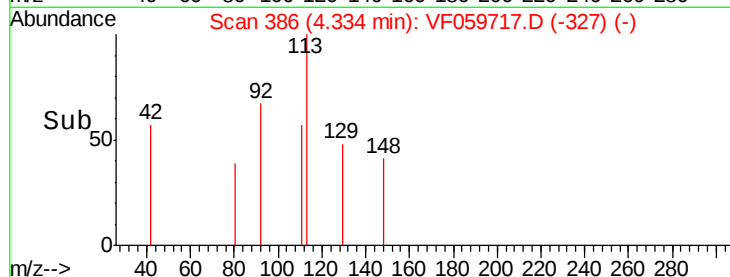
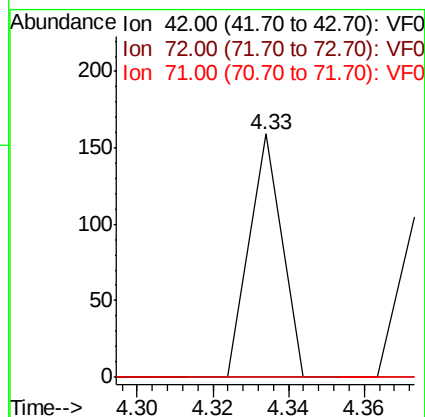
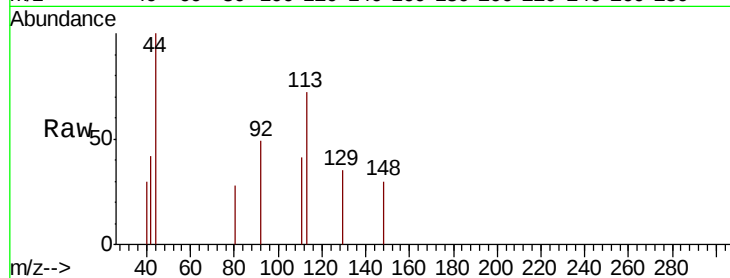
Tot Ion: 42 Resp: 94

Ion Ratio Lower Upper

42 100

72 0.0 27.0 40.6#

71 0.0 29.7 44.5#



#31

Cyclohexane

Concen: Below Cal

RT: 3.88 min Scan# 340

Delta R.T. 0.02 min

Lab File: VF059717.D

Acq: 31 Jul 2018 18:53

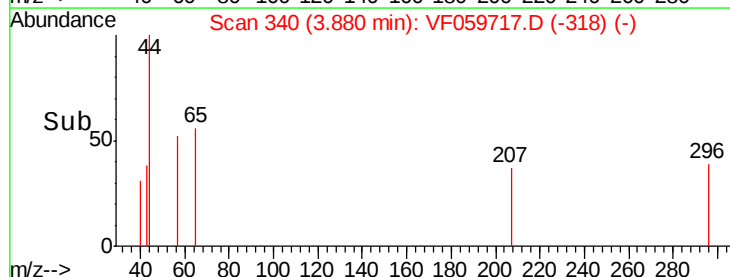
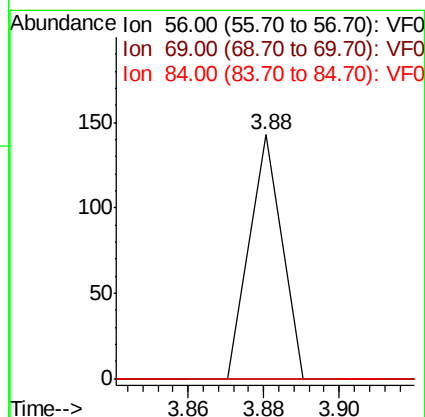
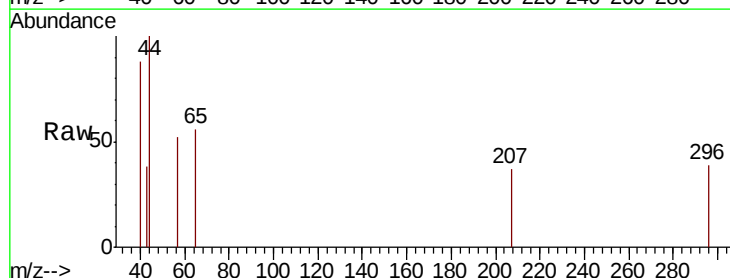
Tgt Ion: 56 Resp: 85

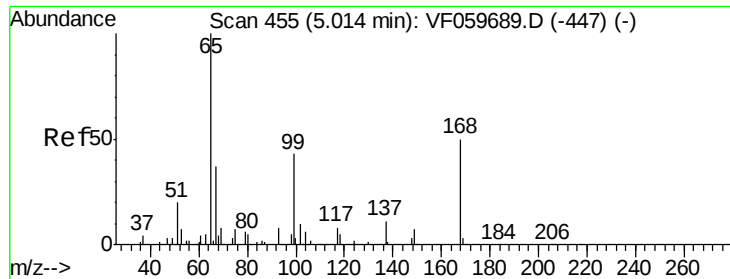
Ion Ratio Lower Upper

56 100

69 0.0 23.7 35.5#

84 0.0 71.1 106.7#

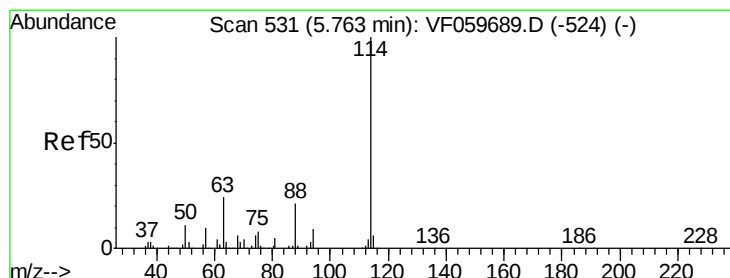
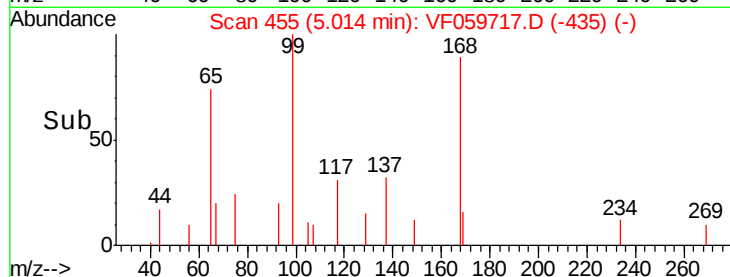
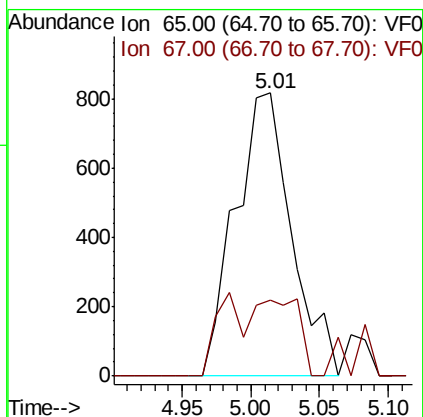
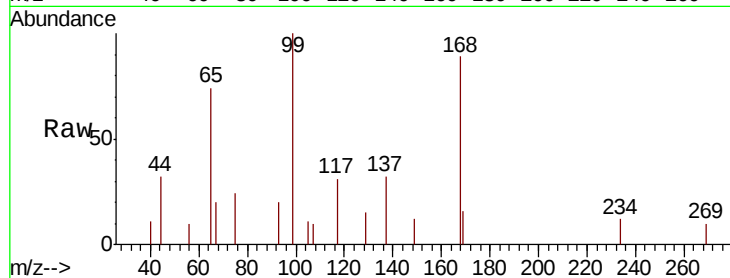




#33
 1,2-Dichloroethane-d4
 Concen: 21.064 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. 0.00 min
 Lab File: VF059717.D
 Acq: 31 Jul 2018 18:53

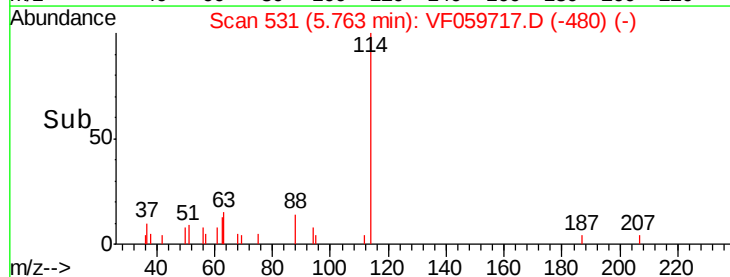
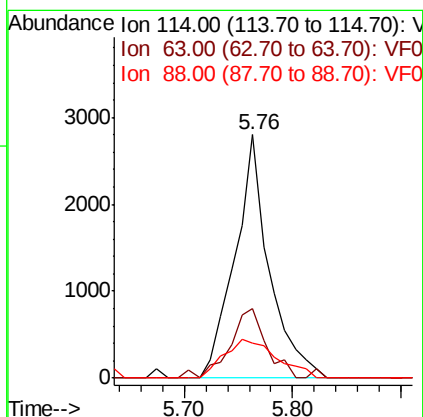
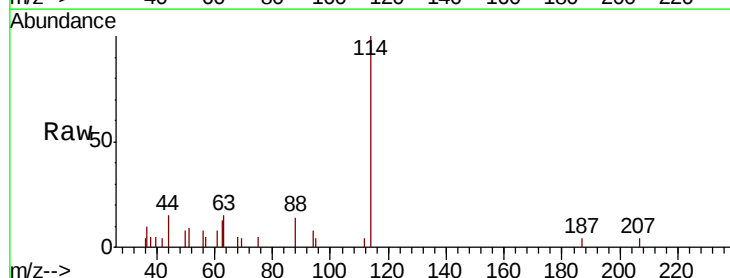
Instrument :
 MSVOA_F
 ClientSampleId :
 EPE-F-8(90-92)

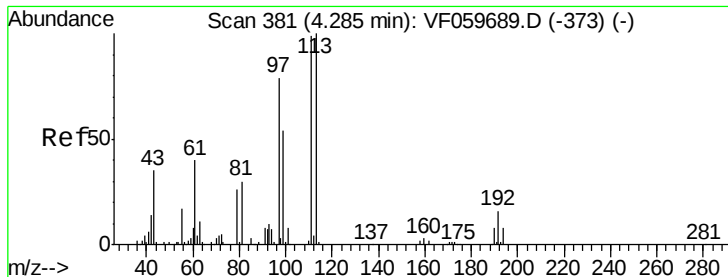
Tot Ion: 65 Resp: 2330
 Ion Ratio Lower Upper
 65 100
 67 26.8 0.0 84.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. 0.00 min
 Lab File: VF059717.D
 Acq: 31 Jul 2018 18:53

Tgt Ion:114 Resp: 6182
 Ion Ratio Lower Upper
 114 100
 63 28.3 0.0 47.4
 88 14.2 0.0 41.2

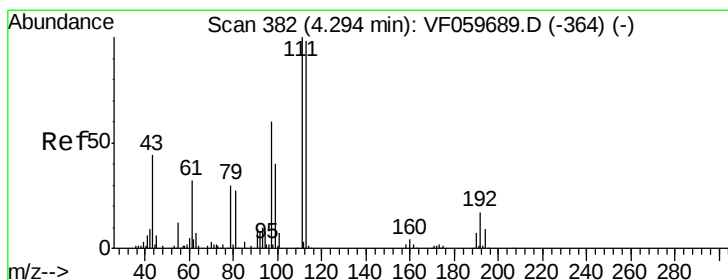
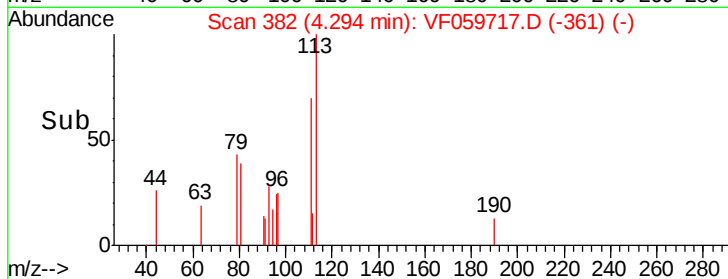
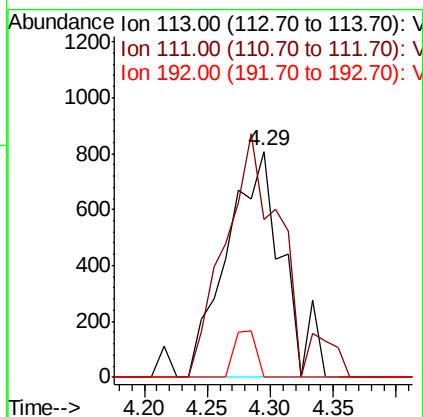
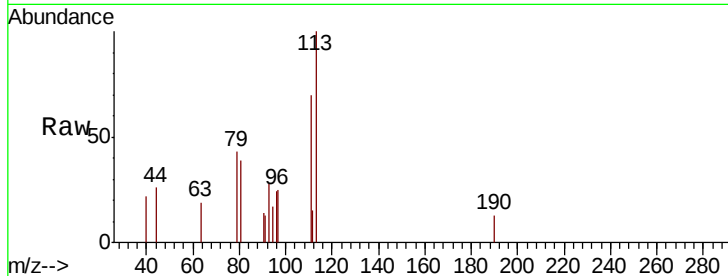




#35
 Dibromofluoromethane
 Concen: 38.359 ug/l
 RT: 4.29 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VF059717.D
 Acq: 31 Jul 2018 18:53

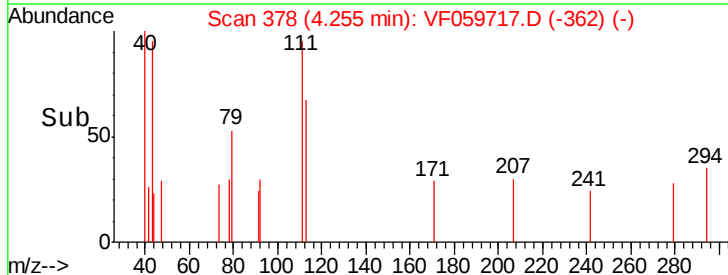
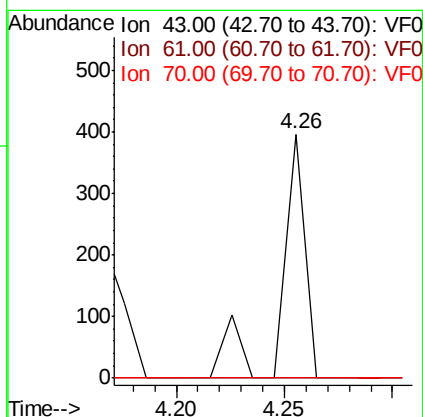
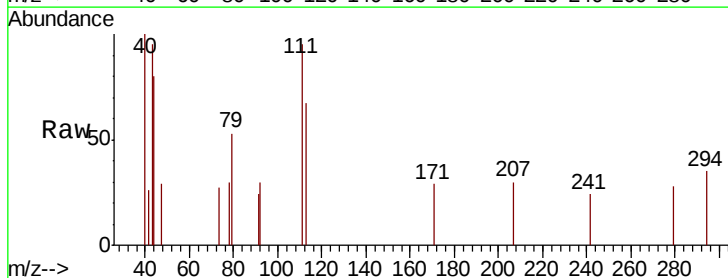
Instrument :
 MSVOA_F
 ClientSampleId :
 EPE-F-8(90-92)

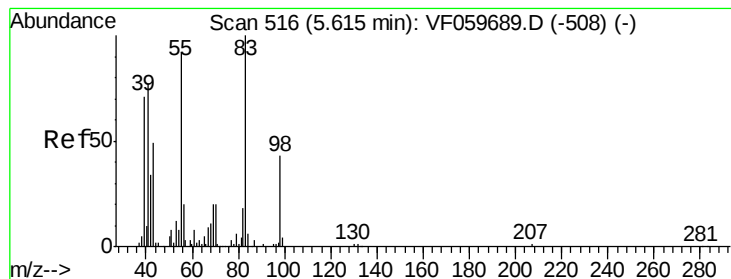
Tot Ion:113 Resp: 2463
 Ion Ratio Lower Upper
 113 100
 111 84.7 79.0 118.4
 192 0.0 13.2 19.8#



#37
 Ethyl Acetate
 Concen: 5.430 ug/l
 RT: 4.26 min Scan# 378
 Delta R.T. -0.04 min
 Lab File: VF059717.D
 Acq: 31 Jul 2018 18:53

Tgt Ion: 43 Resp: 295
 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: 5.53 min Scan# 507

Delta R.T. -0.09 min

Lab File: VF059717.D

Acq: 31 Jul 2018 18:53

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(90-92)

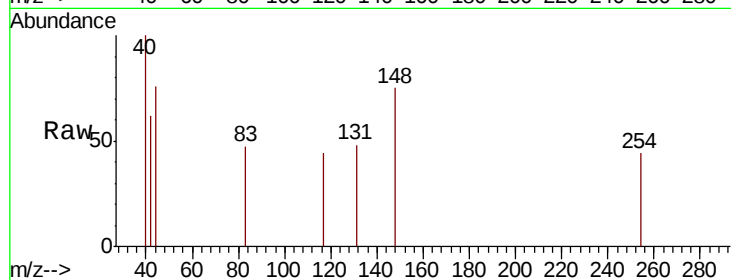
Tot Ion: 83 Resp: 70

Ion Ratio Lower Upper

83 100

55 0.0 73.4 110.2#

98 0.0 34.2 51.4#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

150

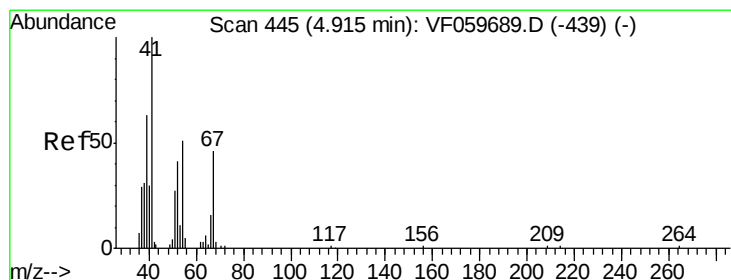
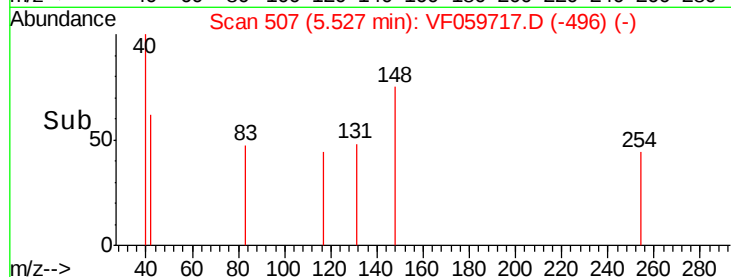
100

50

0

5.50 5.52 5.54 5.56

Time-->



#41

Methacrylonitrile

Concen: 7.237 ug/l

RT: 4.85 min Scan# 438

Delta R.T. -0.07 min

Lab File: VF059717.D

Acq: 31 Jul 2018 18:53

Tgt Ion: 41 Resp: 150

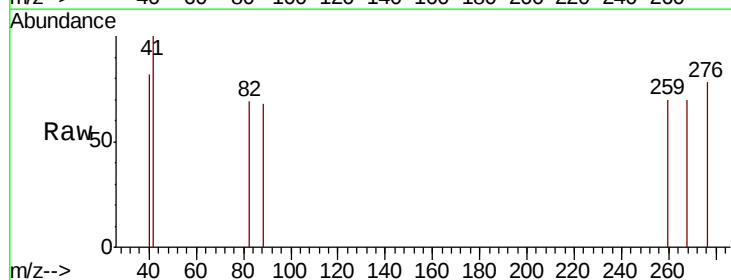
Ion Ratio Lower Upper

41 100

39 0.0 55.2 82.8#

67 0.0 36.2 54.2#

52 0.0 37.7 56.5#



Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

300

250

200

150

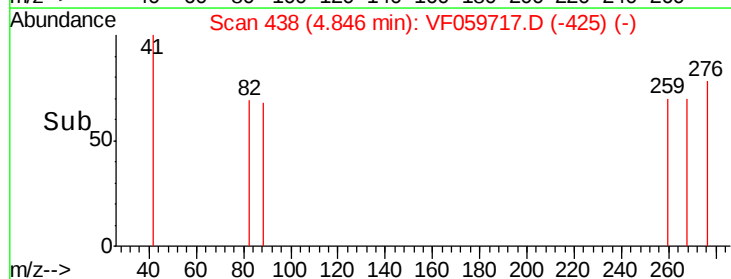
100

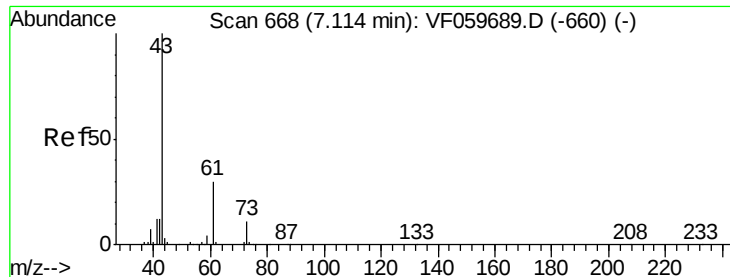
50

0

4.80 4.85 4.90

Time-->



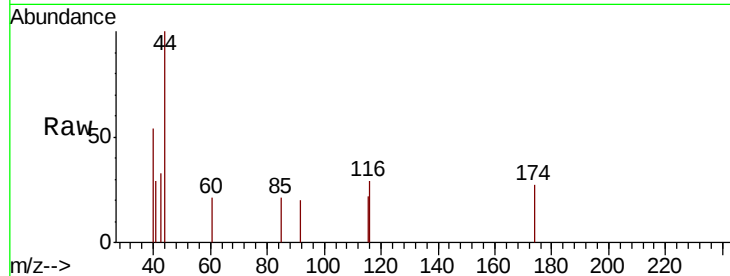


#43

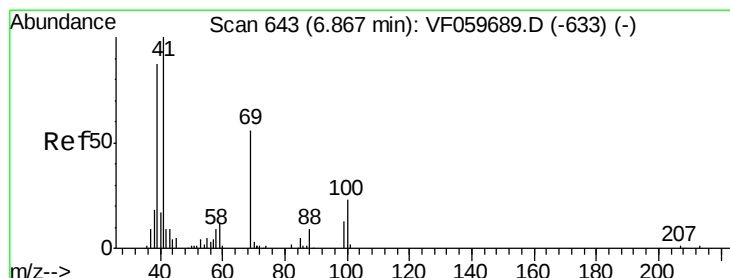
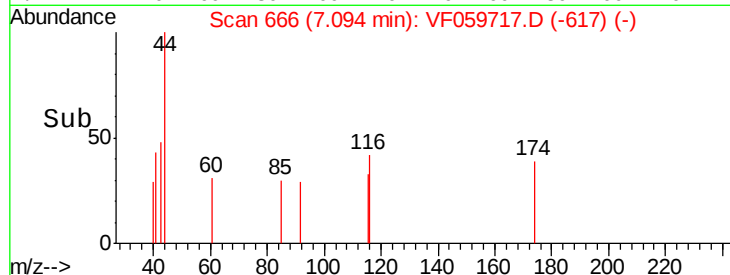
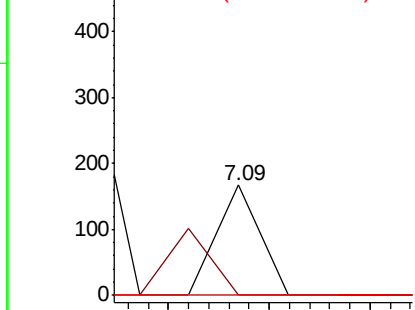
Isopropyl Acetate
 Concen: 2.678 ug/l
 RT: 7.09 min Scan# 666
 Delta R.T. -0.02 min
 Lab File: VF059717.D
 Acq: 31 Jul 2018 18:53

Instrument :
 MSVOA_F
 ClientSampleId :
 EPE-F-8(90-92)

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.8	35.8#
87	0.0	0.6	1.0#



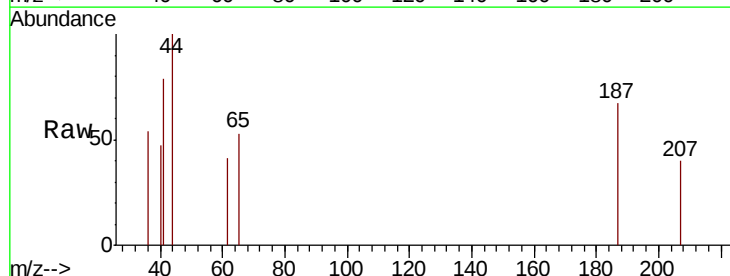
Abundance Ion 43.00 (42.70 to 43.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 87.00 (86.70 to 87.70): VF0



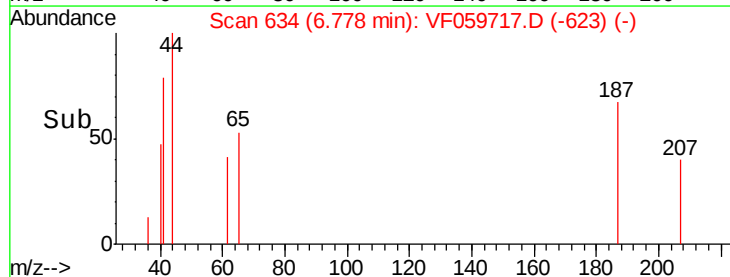
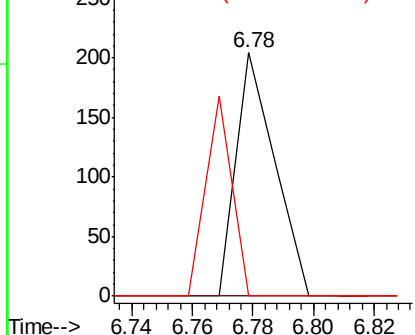
#48

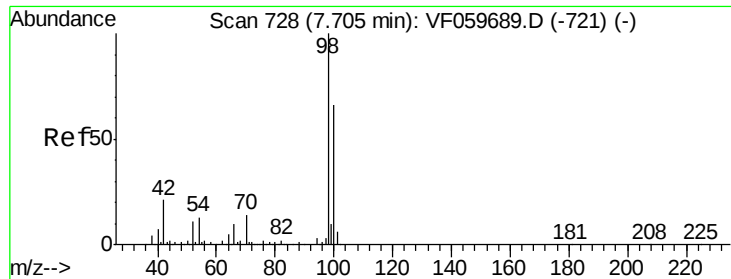
Methyl methacrylate
 Concen: 6.510 ug/l
 RT: 6.78 min Scan# 634
 Delta R.T. -0.09 min
 Lab File: VF059717.D
 Acq: 31 Jul 2018 18:53

Tgt Ion	Ratio	Lower	Upper
41	100		
69	0.0	44.4	66.6#
39	0.0	69.4	104.2#



Abundance Ion 41.00 (40.70 to 41.70): VF0
 Ion 69.00 (68.70 to 69.70): VF0
 Ion 39.00 (38.70 to 39.70): VF0

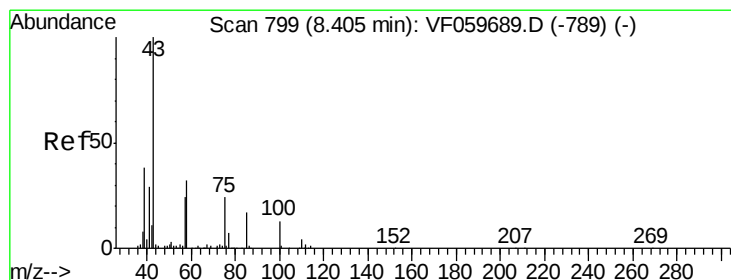
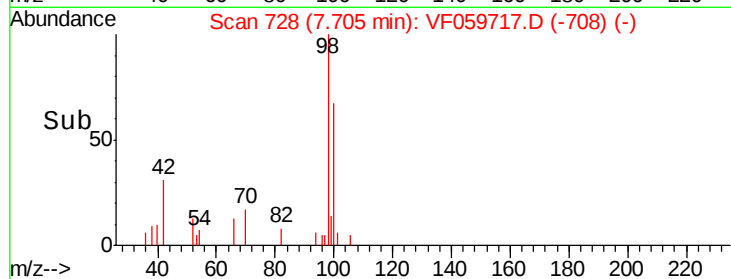
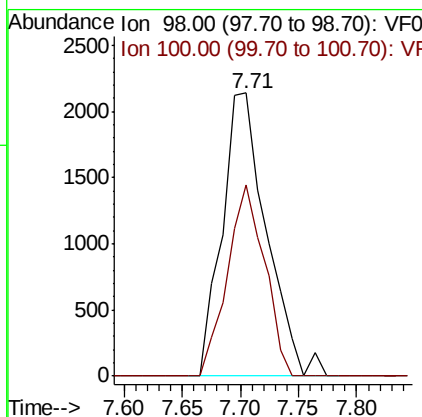
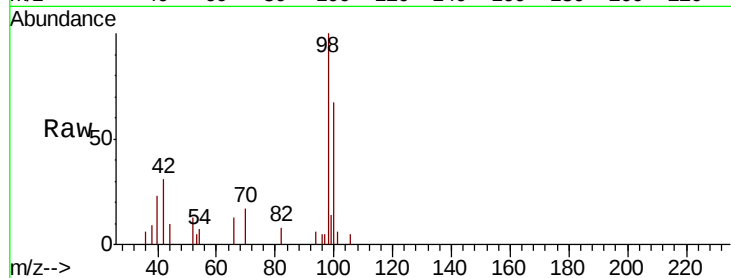




#50
Toluene-d8
Concen: 37.634 ug/l
RT: 7.71 min Scan# 728
Delta R.T. 0.00 min
Lab File: VF059717.D
Acq: 31 Jul 2018 18:53

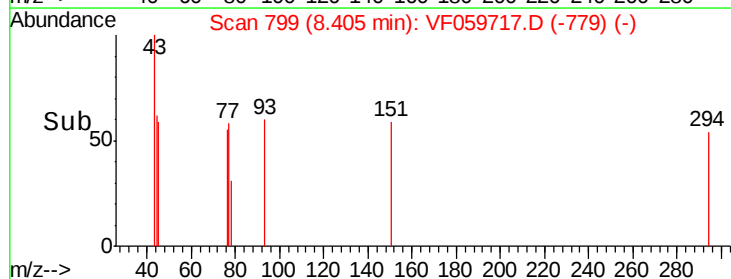
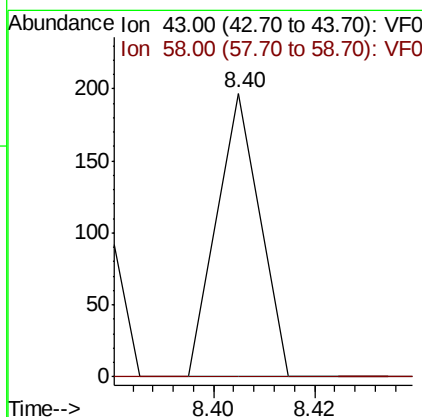
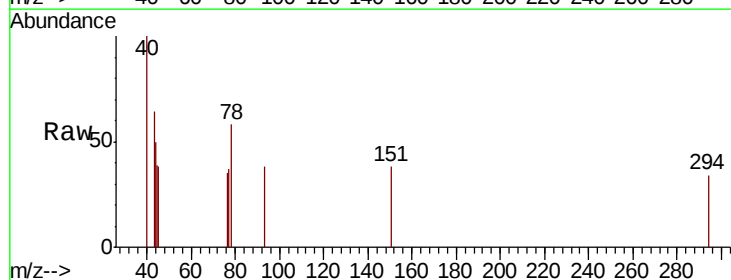
Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(90-92)

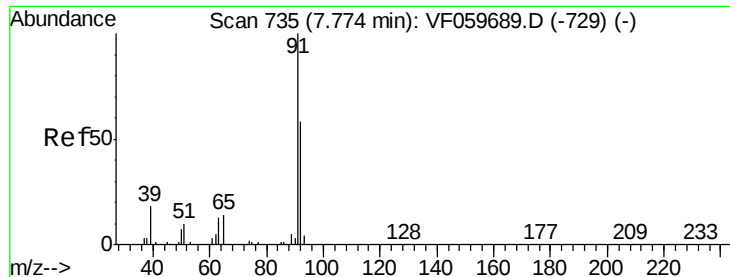
Tot Ion: 98 Resp: 5635
Ion Ratio Lower Upper
98 100
100 67.4 52.8 79.2



#51
4-Methyl-2-Pentanone
Concen: 4.161 ug/l
RT: 8.40 min Scan# 799
Delta R.T. 0.00 min
Lab File: VF059717.D
Acq: 31 Jul 2018 18:53

Tgt Ion: 43 Resp: 117
Ion Ratio Lower Upper
43 100
58 0.0 25.9 38.9#





#52

Toluene

Concen: Below Cal

RT: 7.66 min Scan# 723

Delta R.T. -0.12 min

Lab File: VF059717.D

Acq: 31 Jul 2018 18:53

Instrument :

MSVOA_F

ClientSampleId :

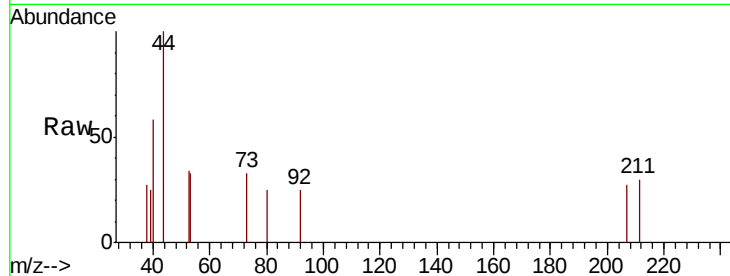
EPE-F-8(90-92)

Tot Ion: 92 Resp: 61

Ion Ratio Lower Upper

92 100

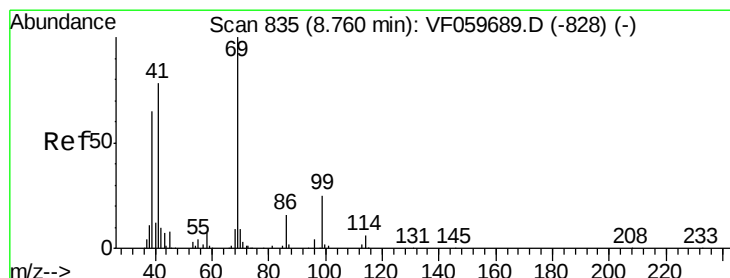
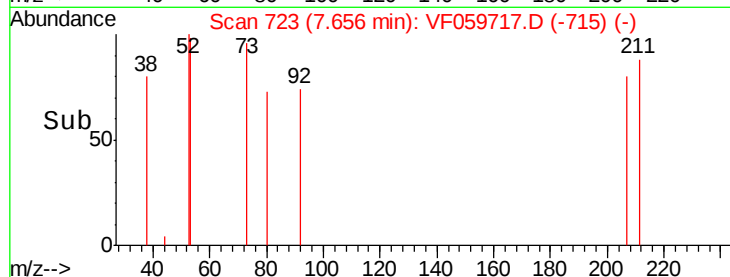
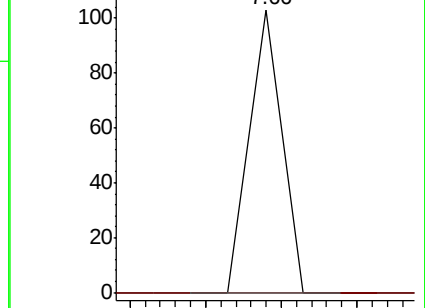
91 0.0 139.0 208.4#



Abundance Ion 92.00 (91.70 to 92.70): VF0

Ion 91.00 (90.70 to 91.70): VF0

7.66



#56

Ethyl methacrylate

Concen: 2.155 ug/l

RT: 8.70 min Scan# 829

Delta R.T. -0.06 min

Lab File: VF059717.D

Acq: 31 Jul 2018 18:53

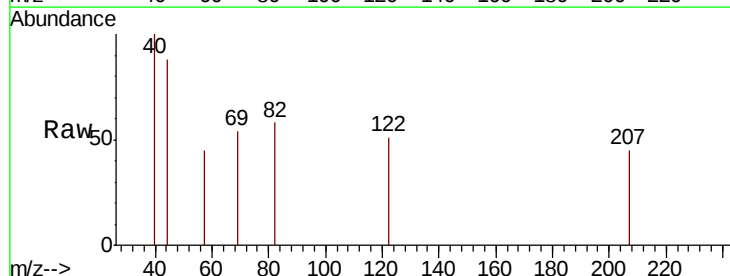
Tgt Ion: 69 Resp: 76

Ion Ratio Lower Upper

69 100

41 0.0 62.3 93.5#

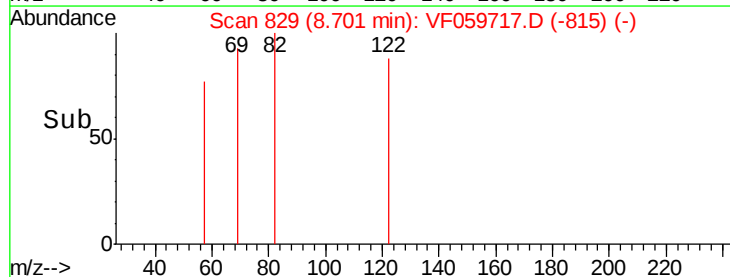
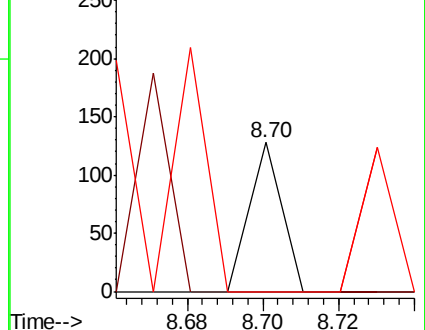
39 0.0 52.4 78.6#

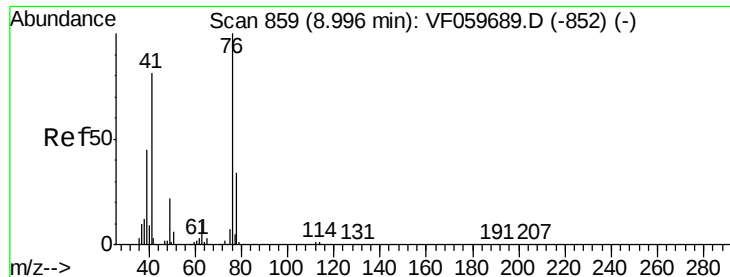


Abundance Ion 69.00 (68.70 to 69.70): VF0

Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#57

1,3-Dichloropropane

Concen: 1.379 ug/l

RT: 9.05 min Scan# 864

Delta R.T. 0.05 min

Lab File: VF059717.D

Acq: 31 Jul 2018 18:53

Instrument :

MSVOA_F

ClientSampleId :

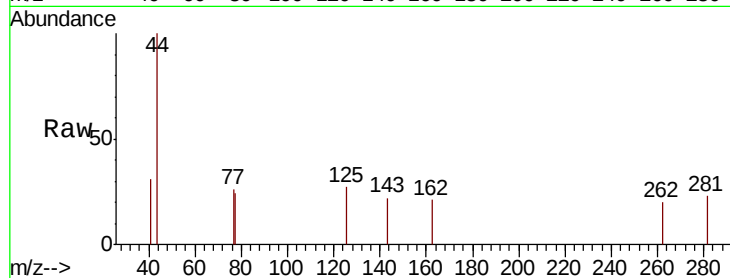
EPE-F-8(90-92)

Tot Ion: 76 Resp: 80

Ion Ratio Lower Upper

76 100

78 0.0 27.2 40.8#



Abundance Ion 76.00 (75.70 to 76.70): VF0

Ion 78.00 (77.70 to 78.70): VF0

9.05

150

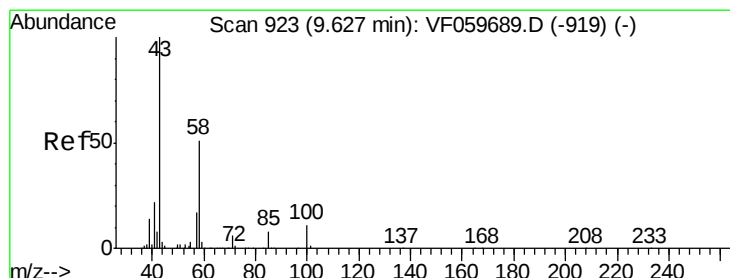
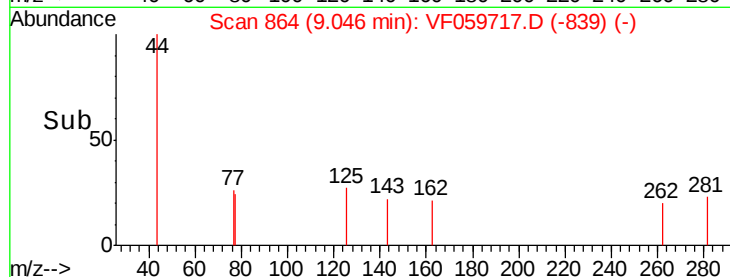
100

50

0

9.02 9.04 9.06

Time-->



#59

2-Hexanone

Concen: 5.947 ug/l

RT: 9.63 min Scan# 923

Delta R.T. 0.00 min

Lab File: VF059717.D

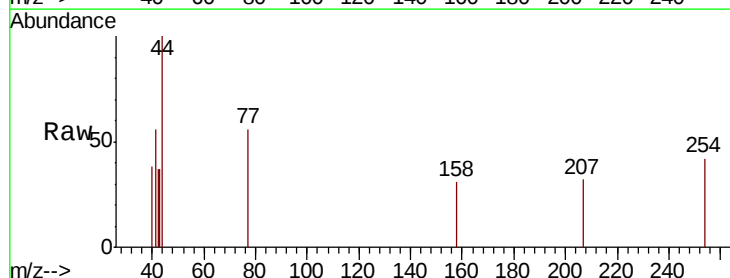
Acq: 31 Jul 2018 18:53

Tgt Ion: 43 Resp: 134

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

9.63

150

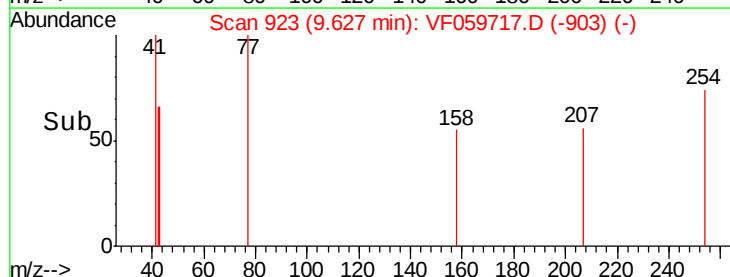
100

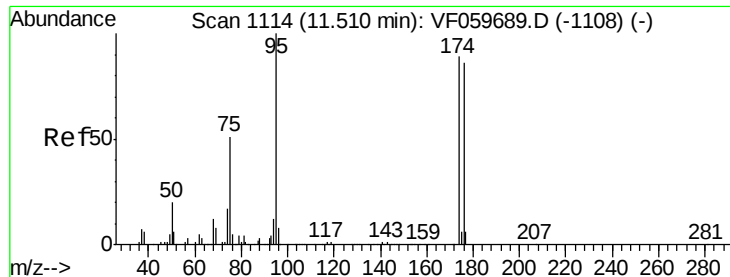
50

0

9.60 9.62 9.64 9.66

Time-->





#62

4-Bromofluorobenzene

Concen: 5.996 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059717.D

Acq: 31 Jul 2018 18:53

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(90-92)

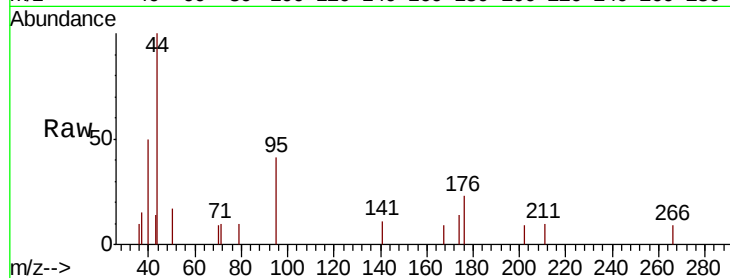
Tot Ion: 95 Resp: 497

Ion Ratio Lower Upper

95 100

174 34.1 0.0 178.4

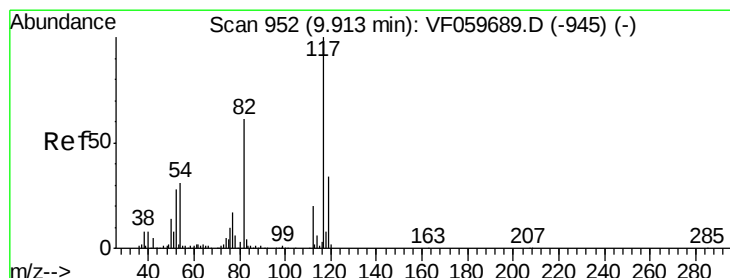
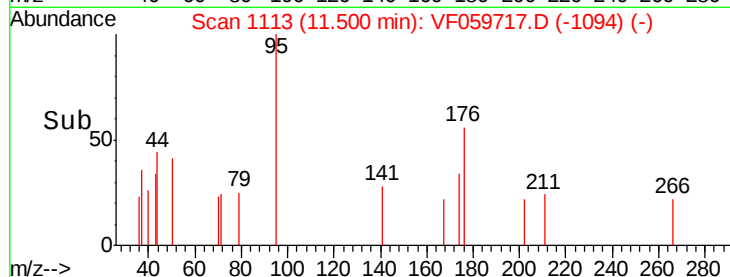
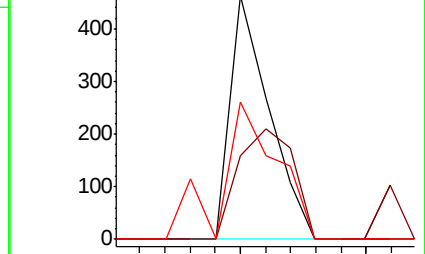
176 56.4 0.0 173.0



Abundance Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

Ion 176.00 (175.70 to 176.70): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF059717.D

Acq: 31 Jul 2018 18:53

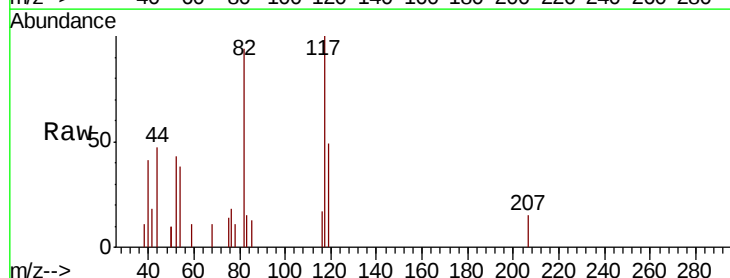
Tgt Ion: 117 Resp: 2403

Ion Ratio Lower Upper

117 100

82 93.9 49.0 73.4#

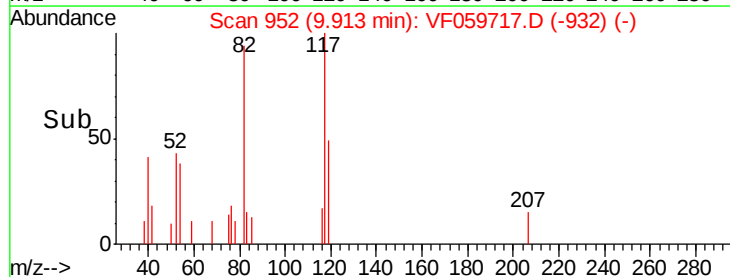
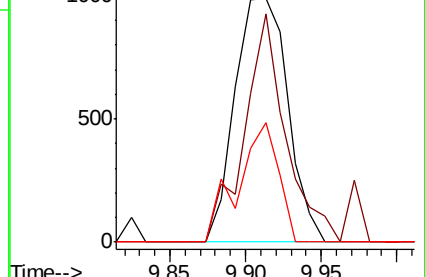
119 49.0 27.3 40.9#

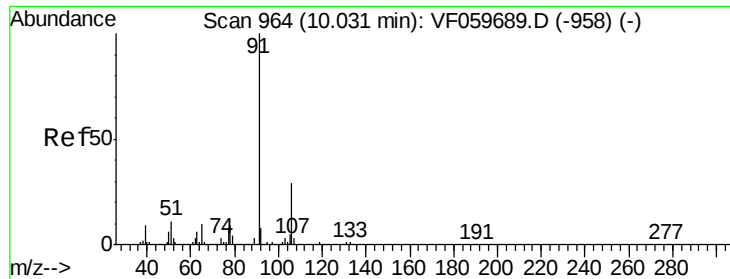


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): VF0

Ion 119.00 (118.70 to 119.70): V

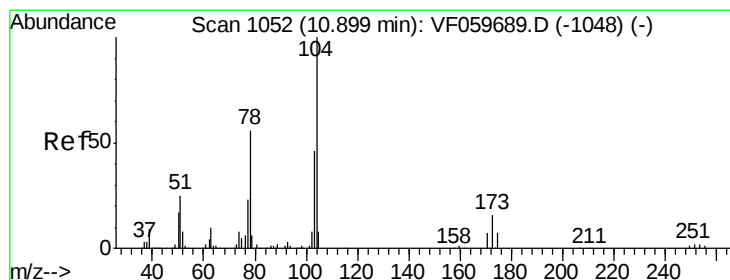
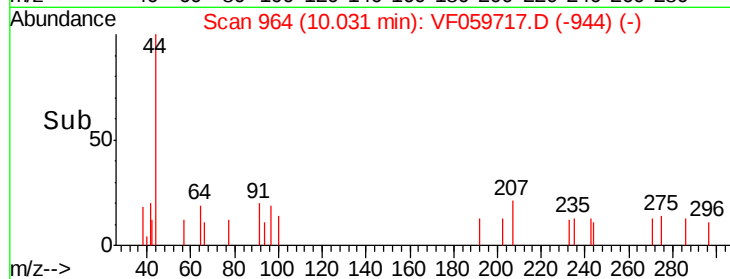
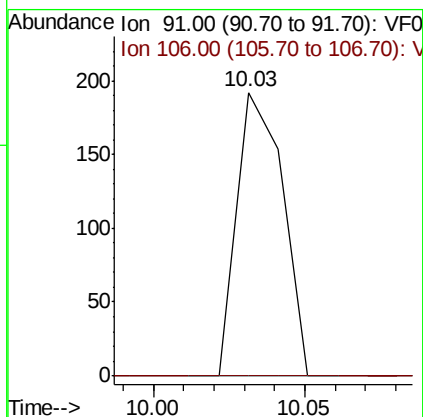
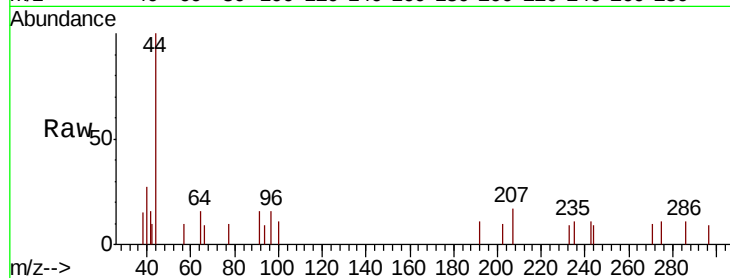




#67
Ethyl Benzene
Concen: 2.465 ug/l
RT: 10.03 min Scan# 964
Delta R.T. 0.00 min
Lab File: VF059717.D
Acq: 31 Jul 2018 18:53

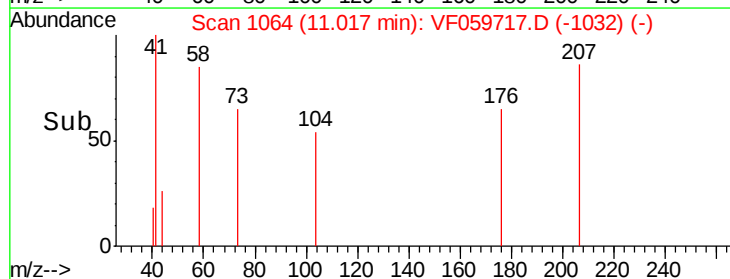
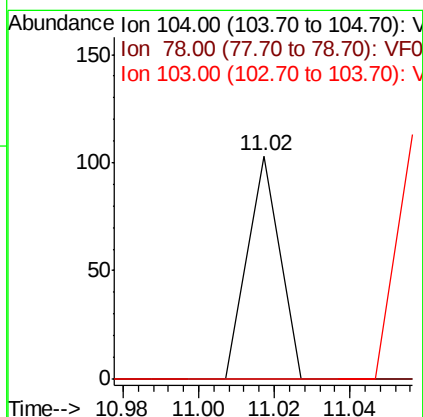
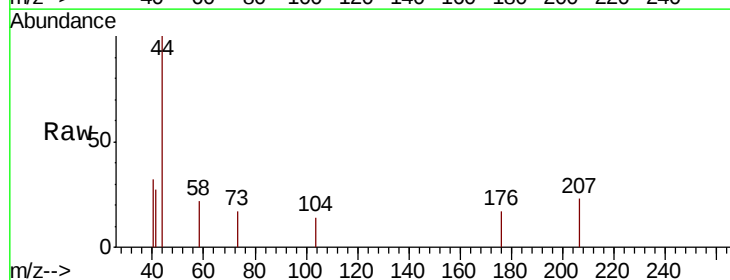
Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(90-92)

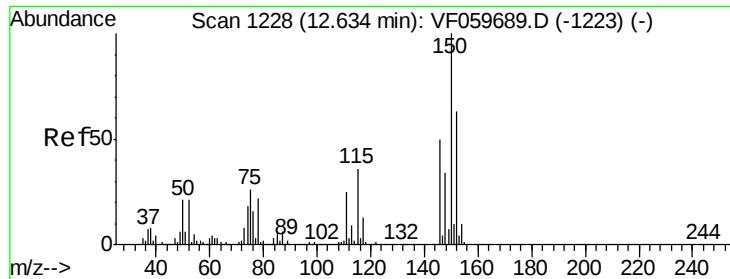
Tot Ion: 91 Resp: 205
Ion Ratio Lower Upper
91 100
106 0.0 22.9 34.3#



#70
Styrene
Concen: 1.314 ug/l
RT: 11.02 min Scan# 1064
Delta R.T. 0.12 min
Lab File: VF059717.D
Acq: 31 Jul 2018 18:53

Tgt Ion: 104 Resp: 61
Ion Ratio Lower Upper
104 100
78 0.0 45.3 67.9#
103 0.0 36.6 54.8#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.63 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VF059717.D

Acq: 31 Jul 2018 18:53

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(90-92)

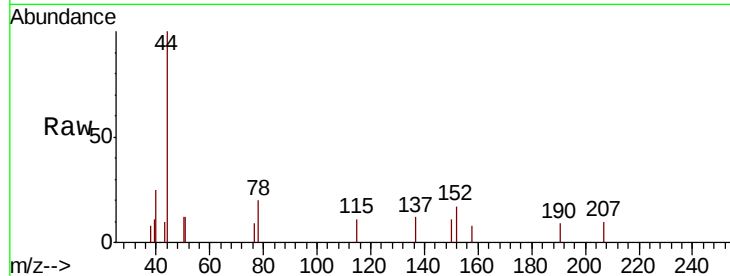
Tot Ion:152 Resp: 200

Ion Ratio Lower Upper

152 100

115 64.8 28.2 84.6

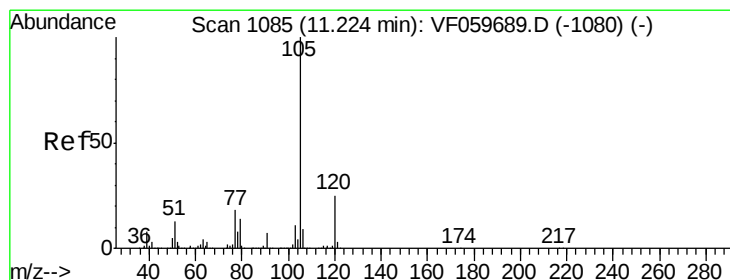
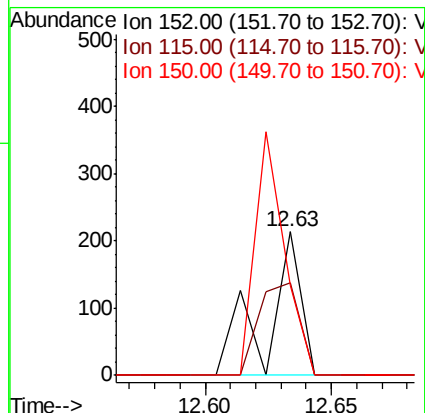
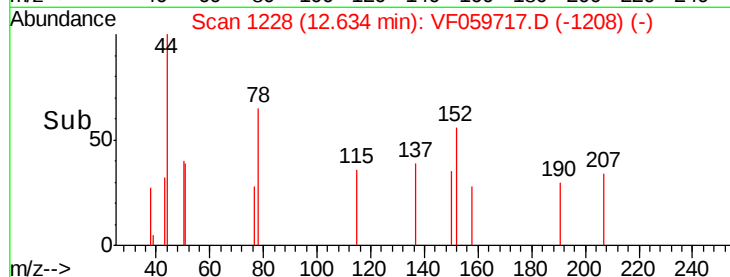
150 62.9 0.0 316.2



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: 5.639 ug/l

RT: 11.32 min Scan# 1095

Delta R.T. 0.10 min

Lab File: VF059717.D

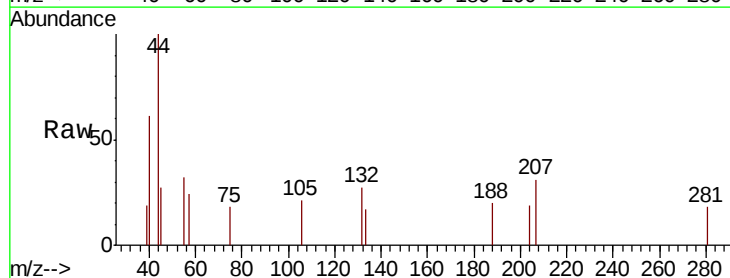
Acq: 31 Jul 2018 18:53

Tgt Ion:105 Resp: 74

Ion Ratio Lower Upper

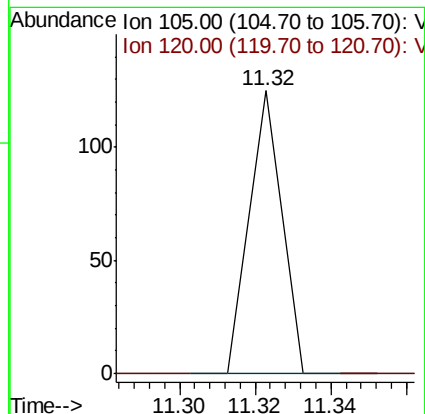
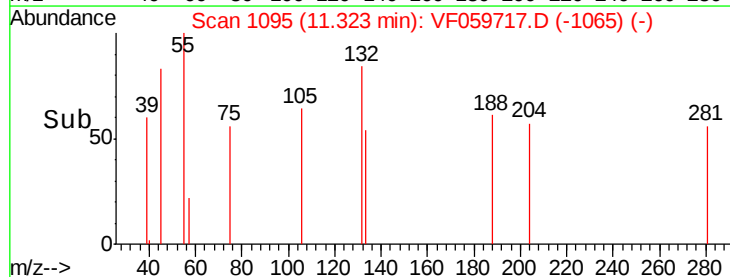
105 100

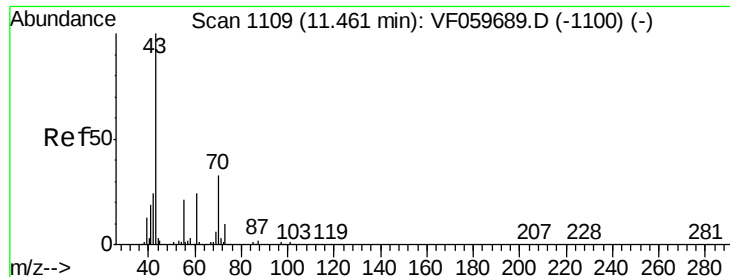
120 0.0 12.4 37.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 19.331 ug/l

RT: 11.44 min Scan# 1107

Delta R.T. -0.02 min

Lab File: VF059717.D

Acq: 31 Jul 2018 18:53

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(90-92)

Tot Ion: 43 Resp: 64

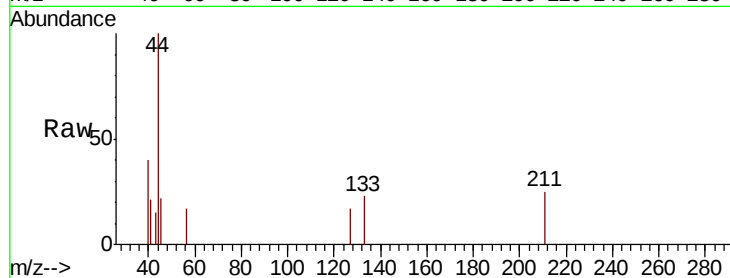
Ion Ratio Lower Upper

43 100

70 0.0 26.3 39.5#

55 0.0 16.6 25.0#

61 0.0 19.1 28.7#

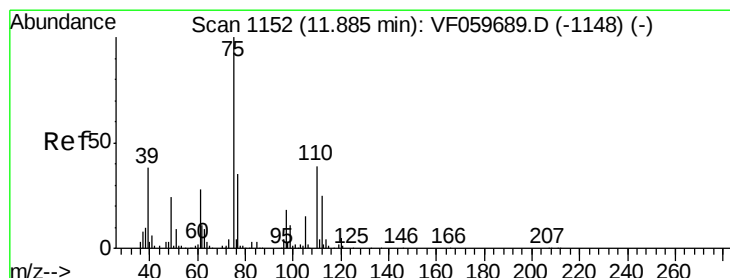
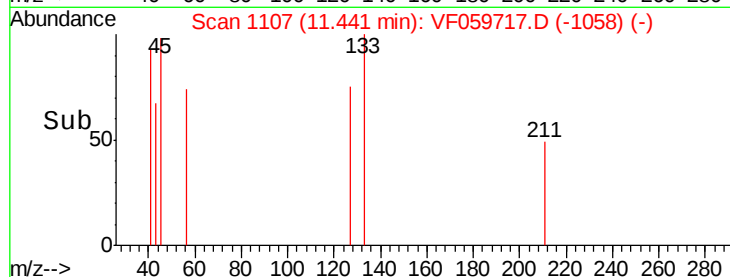
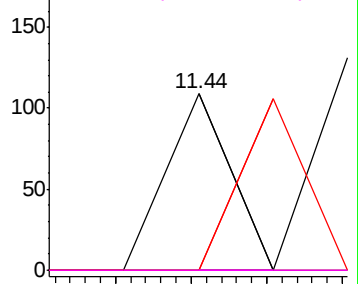


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 70.00 (69.70 to 70.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#76

1,2,3-Trichloropropane

Concen: 62.841 ug/l

RT: 11.82 min Scan# 1145

Delta R.T. -0.07 min

Lab File: VF059717.D

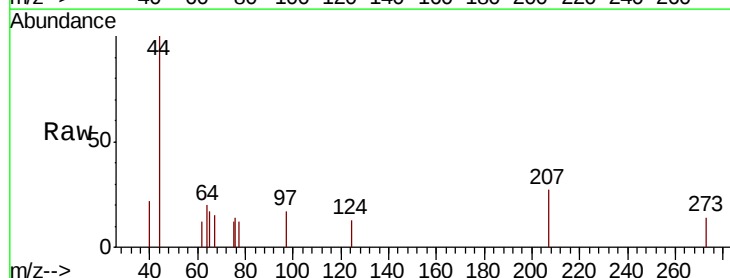
Acq: 31 Jul 2018 18:53

Tgt Ion: 75 Resp: 132

Ion Ratio Lower Upper

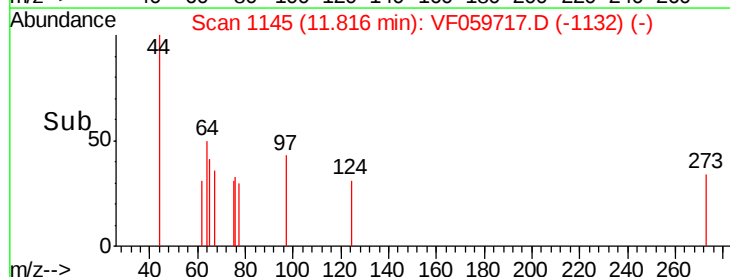
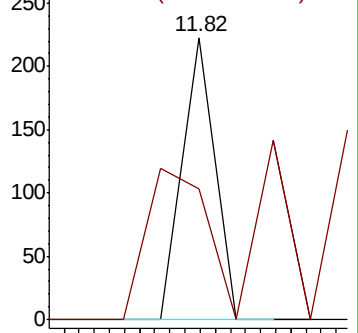
75 100

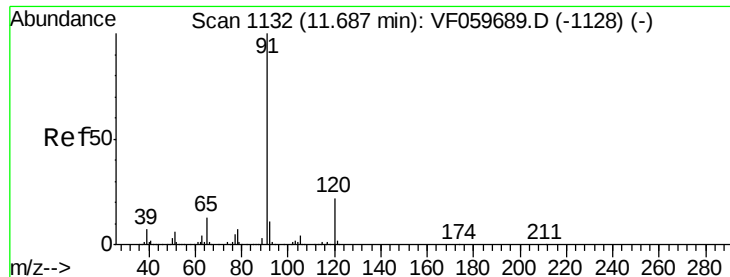
77 46.2 18.0 54.0



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

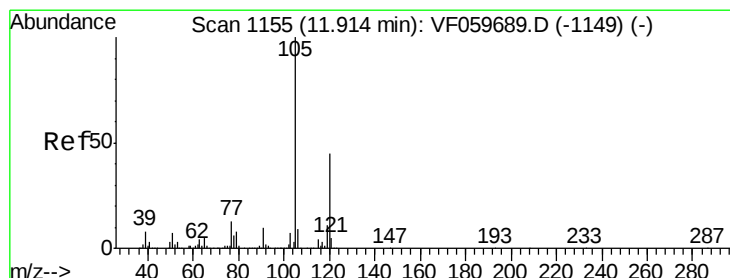
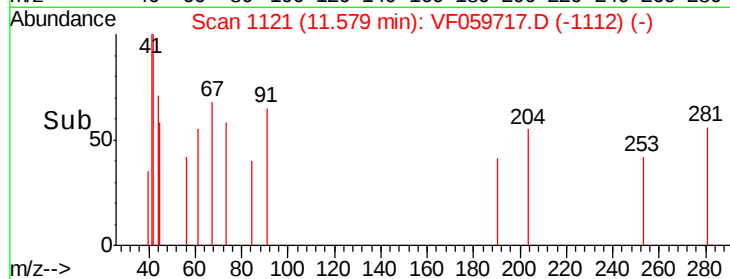
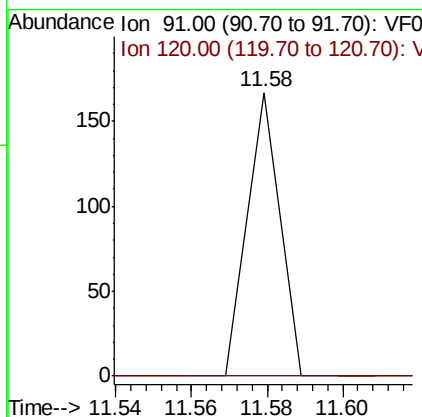
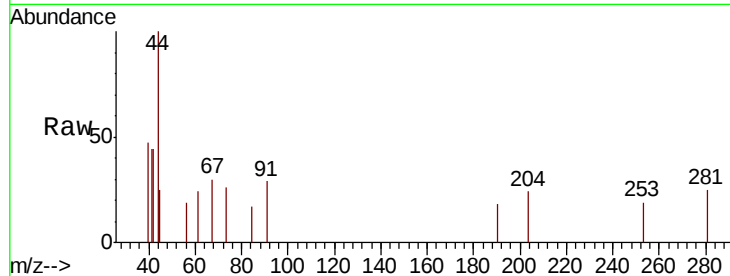




#78
 n-propylbenzene
 Concen: 2.611 ug/l
 RT: 11.58 min Scan# 1121
 Delta R.T. -0.11 min
 Lab File: VF059717.D
 Acq: 31 Jul 2018 18:53

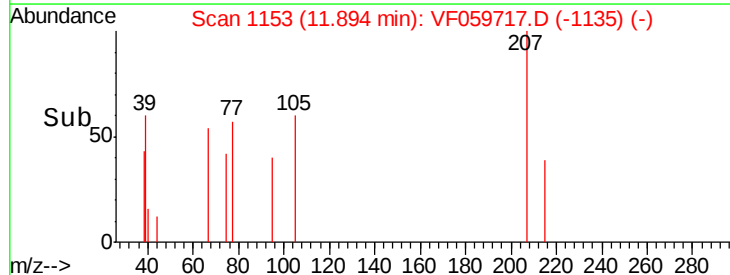
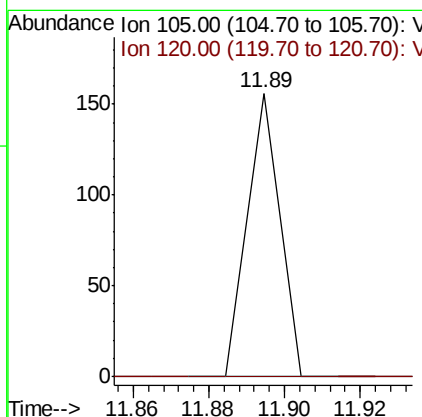
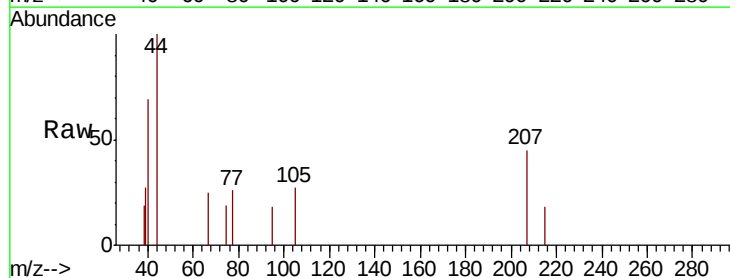
Instrument :
 MSVOA_F
 ClientSampleId :
 EPE-F-8(90-92)

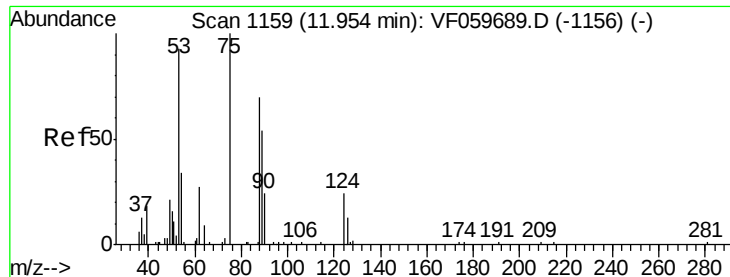
Tot Ion: 91 Resp: 99
 Ion Ratio Lower Upper
 91 100
 120 0.0 11.0 33.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 4.493 ug/l
 RT: 11.89 min Scan# 1153
 Delta R.T. -0.02 min
 Lab File: VF059717.D
 Acq: 31 Jul 2018 18:53

Tgt Ion:105 Resp: 92
 Ion Ratio Lower Upper
 105 100
 120 0.0 22.7 68.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 102.309 ug/l

RT: 12.00 min Scan# 1164

Delta R.T. 0.05 min

Lab File: VF059717.D

Acq: 31 Jul 2018 18:53

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(90-92)

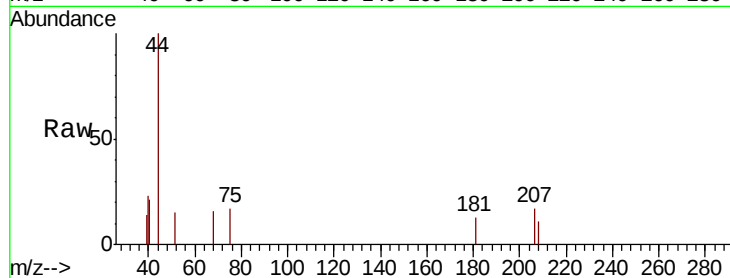
Tot Ion: 75 Resp: 89

Ion Ratio Lower Upper

75 100

53 0.0 78.3 117.5#

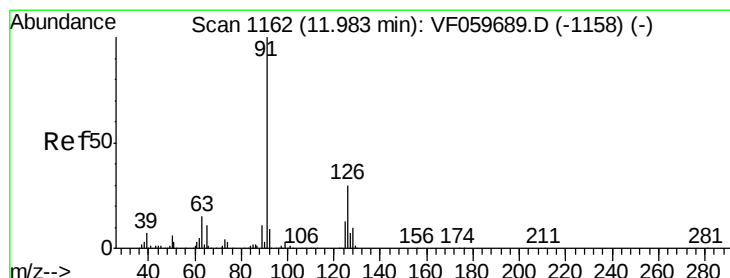
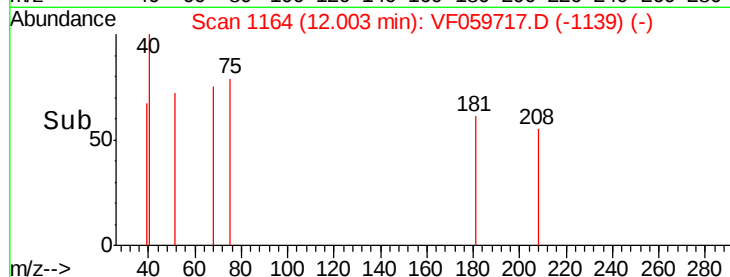
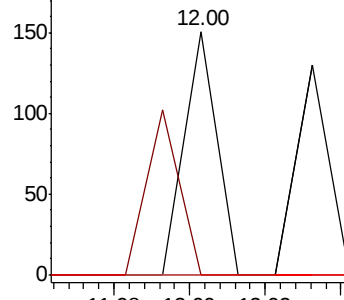
89 0.0 45.4 68.2#



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



#82

4-Chlorotoluene

Concen: 3.812 ug/l

RT: 12.05 min Scan# 1169

Delta R.T. 0.07 min

Lab File: VF059717.D

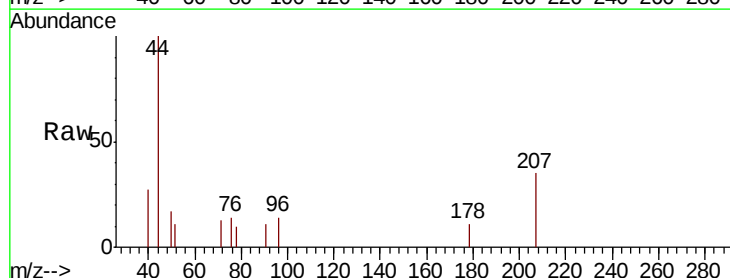
Acq: 31 Jul 2018 18:53

Tgt Ion: 91 Resp: 68

Ion Ratio Lower Upper

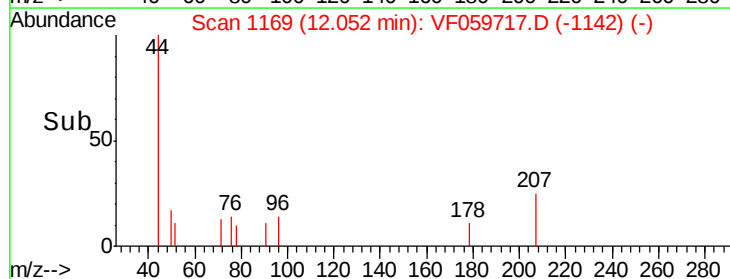
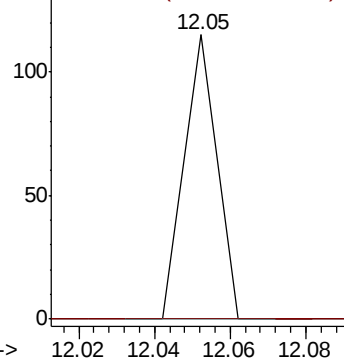
91 100

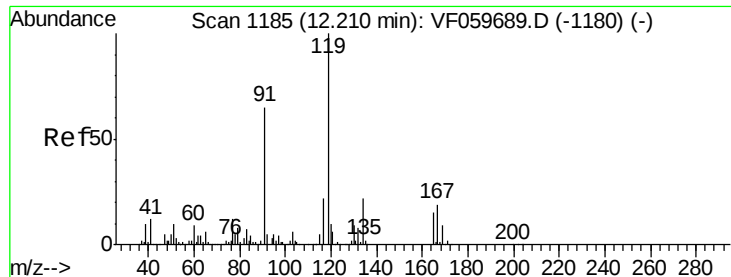
126 0.0 15.2 45.6#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V

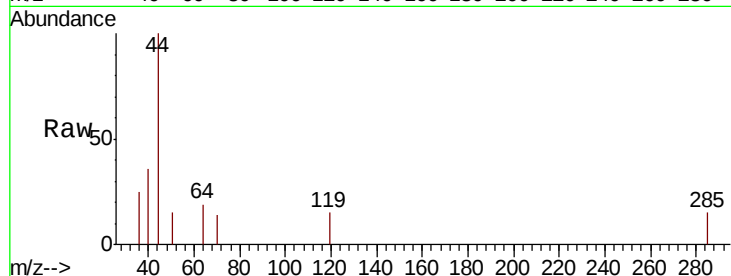




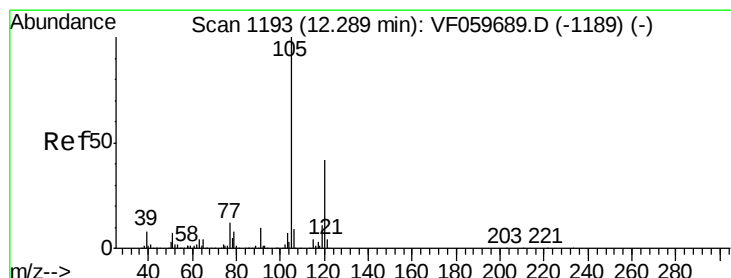
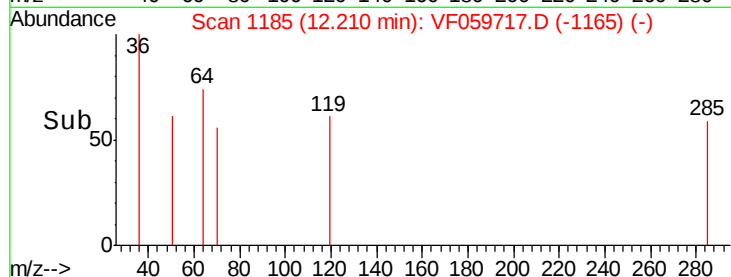
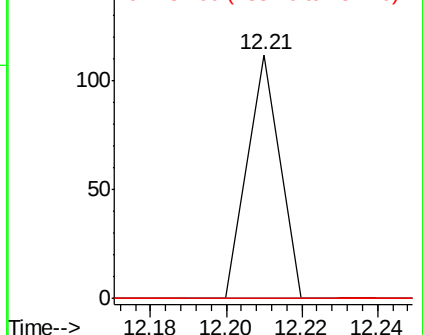
#83
tert-Butylbenzene
Concen: 5.603 ug/l
RT: 12.21 min Scan# 1185
Delta R.T. 0.00 min
Lab File: VF059717.D
Acq: 31 Jul 2018 18:53

Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(90-92)

Tot Ion:119 Resp: 66
Ion Ratio Lower Upper
119 100
91 0.0 32.8 98.4#
134 0.0 10.9 32.7#

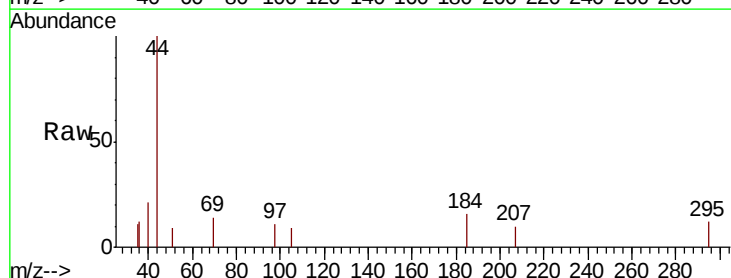


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VF0
Ion 134.00 (133.70 to 134.70): V

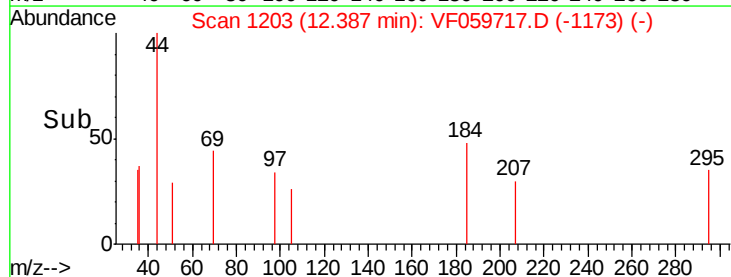
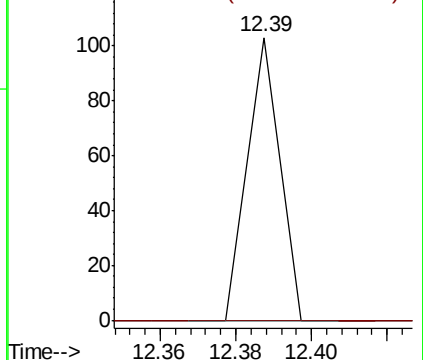


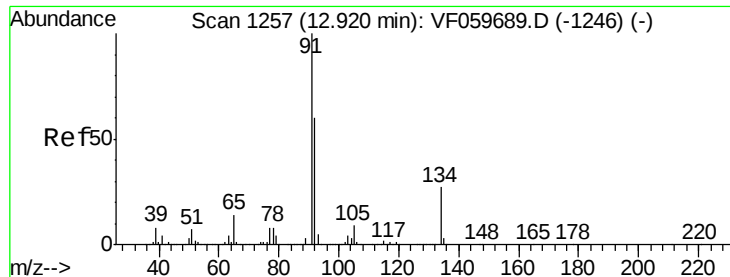
#84
1,2,4-Trimethylbenzene
Concen: 1.370 ug/l
RT: 12.39 min Scan# 1203
Delta R.T. 0.10 min
Lab File: VF059717.D
Acq: 31 Jul 2018 18:53

Tgt Ion:105 Resp: 61
Ion Ratio Lower Upper
105 100
120 0.0 21.1 63.3#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#89

n-Butylbenzene

Concen: 1.048 ug/l

RT: 12.82 min Scan# 1247

Delta R.T. -0.10 min

Lab File: VF059717.D

Acq: 31 Jul 2018 18:53

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(90-92)

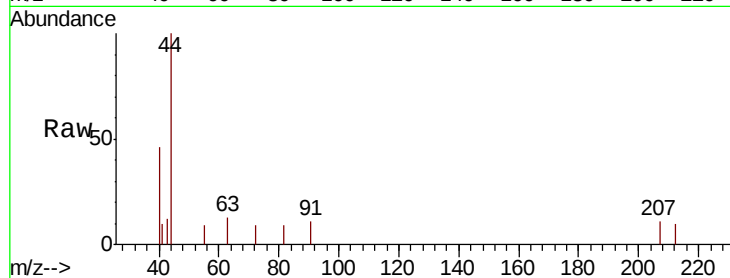
Tot Ion: 91 Resp: 74

Ion Ratio Lower Upper

91 100

92 0.0 30.1 90.3#

134 0.0 13.7 41.0#



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 92.00 (91.70 to 92.70): VF0

Ion 134.00 (133.70 to 134.70): V

12.82

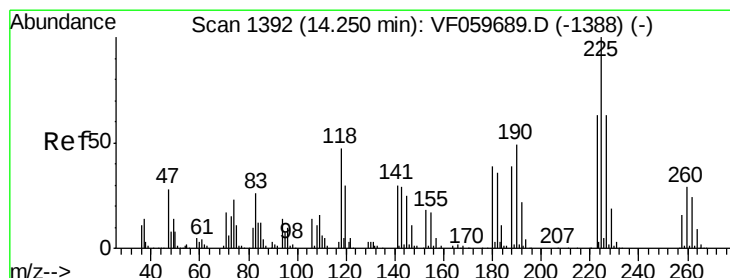
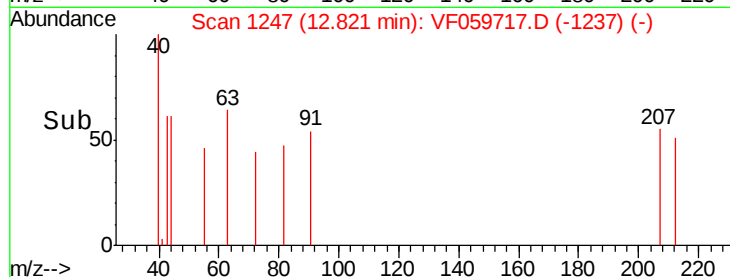
100

50

0

12.80 12.82 12.84

Time-->



#94

Hexachlorobutadiene

Concen: 19.205 ug/l

RT: 14.08 min Scan# 1375

Delta R.T. -0.17 min

Lab File: VF059717.D

Acq: 31 Jul 2018 18:53

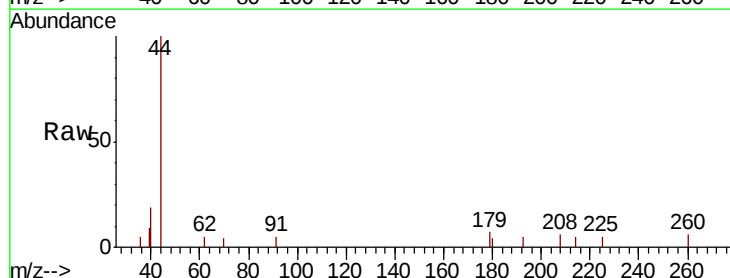
Tgt Ion: 225 Resp: 63

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

14.08

100

50

0

14.06 14.08 14.10

Time-->

