

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059712.D
 Acq On : 31 Jul 2018 16:34
 Operator : VA/AP
 Sample : J4140-08
 Misc : 6.49g/5mL/MSVOA F/SOIL
 ALS Vial : 93 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EPE-F-8(130-132)

Quant Time: Jul 31 16:57:48 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	5.03	168	4696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.75	114	6369	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.90	117	3060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.62	152	423	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	5.02	65	2251	26.67	ug/l	0.01
Spiked Amount				50.000		
			Recovery	=	53.34%	
35) Dibromofluoromethane	4.29	113	3162	47.80	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.60%	
50) Toluene-d8	7.71	98	6500	42.14	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	84.28%	
62) 4-Bromofluorobenzene	11.50	95	1083	12.68	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	25.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.09	50	208	3.001	ug/l #	38
4) Vinyl Chloride	1.05	62	62	Below Cal	#	47
6) Chloroethane	1.28	64	75	Below Cal	#	35
8) Diethyl Ether	1.69	74	67	4.468	ug/l	81
12) 1,1-Dichloroethene	1.84	96	66	1.815	ug/l #	1
14) Allyl chloride	2.18	41	80	1.378	ug/l #	57
15) Acrylonitrile	3.04	53	75	13.813	ug/l #	17
16) Acetone	2.31	43	288	18.972	ug/l #	68
17) Carbon Disulfide	1.86	76	88	Below Cal	#	71
18) Methyl Acetate	2.51	43	89	Below Cal	#	64
20) Methylene Chloride	2.26	84	64	Below Cal	#	41
21) trans-1,2-Dichloroethene	2.31	96	62	Below Cal	#	1
23) Vinyl Acetate	3.29	43	73	1.156	ug/l #	83
24) 1,1-Dichloroethane	3.00	63	145	1.700	ug/l #	91
25) 2-Butanone	4.52	43	114	6.729	ug/l #	74
26) 2,2-Dichloropropane	3.64	77	68	1.118	ug/l #	66
27) cis-1,2-Dichloroethene	3.58	96	62	1.357	ug/l	1
28) Bromochloromethane	3.86	49	67	Below Cal	#	15
29) Tetrahydrofuran	4.33	42	108	16.587	ug/l #	39
31) Cyclohexane	3.92	56	67	Below Cal	#	15
37) Ethyl Acetate	4.32	43	78	Below Cal	#	19
39) Methylcyclohexane	5.60	83	70	Below Cal	#	74
41) Methacrylonitrile	4.90	41	99	3.567	ug/l #	24
43) Isopropyl Acetate	7.09	43	68	1.786	ug/l #	46
46) Dibromomethane	6.14	93	59	1.830	ug/l #	8
48) Methyl methacrylate	6.82	41	63	2.199	ug/l #	13
49) 1,4-Dioxane	7.29	88	74	372.466	ug/l #	21
51) 4-Methyl-2-Pentanone	8.38	43	61	2.106	ug/l #	42
56) Ethyl methacrylate	8.69	69	66	1.817	ug/l #	14
57) 1,3-Dichloropropane	8.97	76	61	1.021	ug/l #	41
58) 2-Chloroethyl Vinyl ether	7.81	63	60	14.305	ug/l	100
59) 2-Hexanone	9.69	43	157	6.763	ug/l #	30
66) 1,1,1,2-Tetrachloroethane	9.92	131	67	2.344	ug/l #	1
68) m/p-Xylenes	10.30	106	112	Below Cal	#	1

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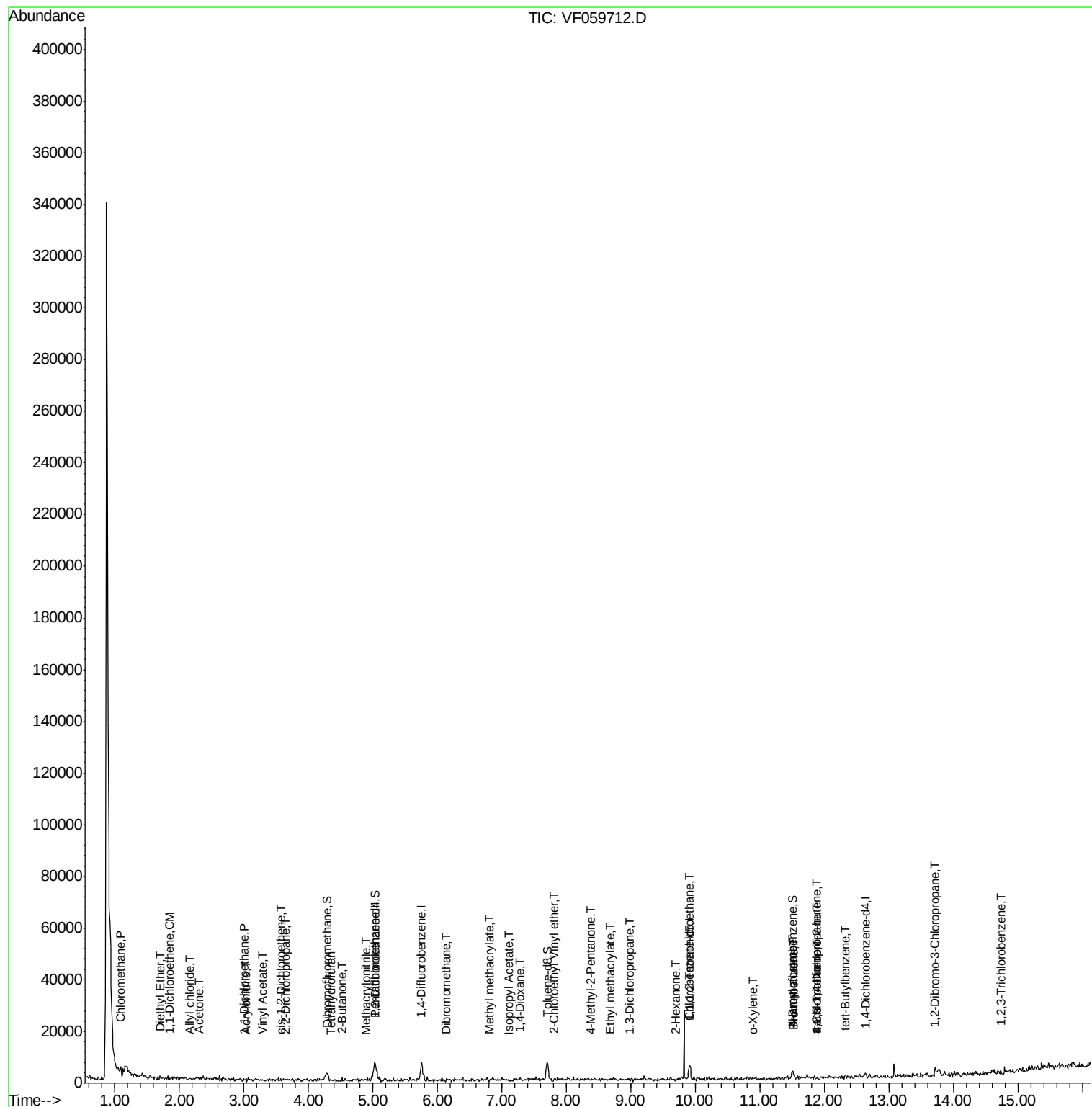
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) o-Xylene	10.91	106	72	1.845	ug/l #	1
74) N-amyl acetate	11.52	43	271	38.702	ug/l #	48
76) 1,2,3-Trichloropropane	11.87	75	73	16.432	ug/l #	39
77) Bromobenzene	11.53	156	60	8.279	ug/l #	1
78) n-propylbenzene	11.77	91	106	Below Cal	#	54
80) 1,3,5-Trimethylbenzene	11.99	105	65	Below Cal	#	31
81) trans-1,4-Dichloro-2-buten	11.87	75	73	39.677	ug/l #	9
82) 4-Chlorotoluene	11.90	91	106	1.662	ug/l #	44
83) tert-Butylbenzene	12.33	119	66	2.649	ug/l #	26
92) 1,2-Dibromo-3-Chloropropan	13.70	75	170	133.103	ug/l #	9
96) 1,2,3-Trichlorobenzene	14.74	180	69	6.845	ug/l #	13

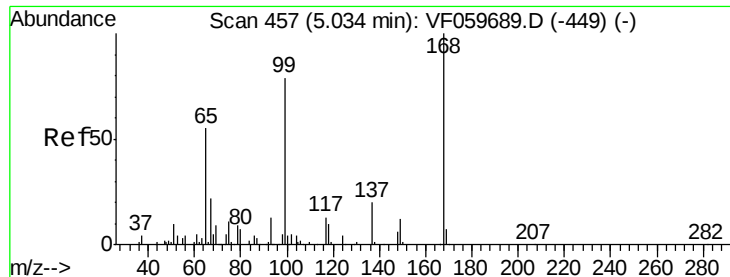
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059712.D

Acq: 31 Jul 2018 16:34

Instrument :

MSVOA_F

ClientSampleId :

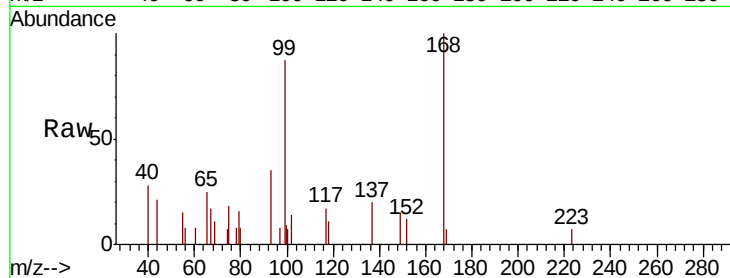
EPE-F-8(130-132)

Tot Ion:168 Resp: 4696

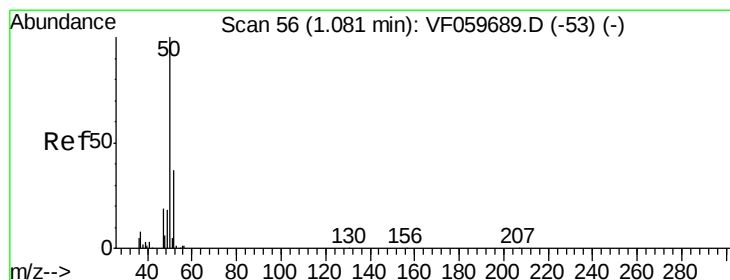
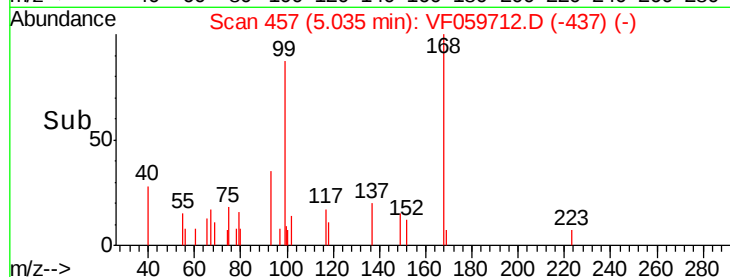
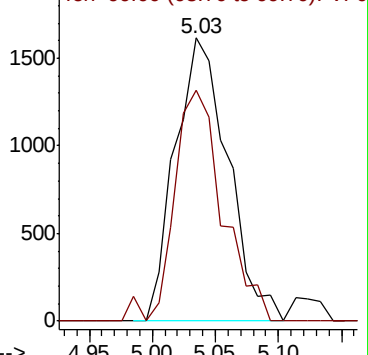
Ion Ratio Lower Upper

168 100

99 81.4 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0



#3

Chloromethane

Concen: 3.001 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059712.D

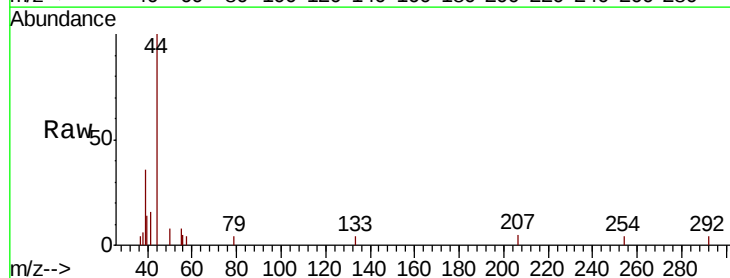
Acq: 31 Jul 2018 16:34

Tgt Ion: 50 Resp: 208

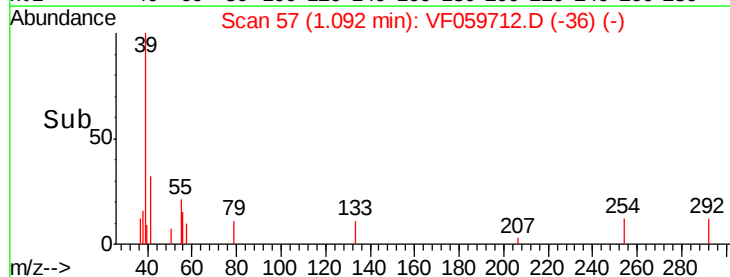
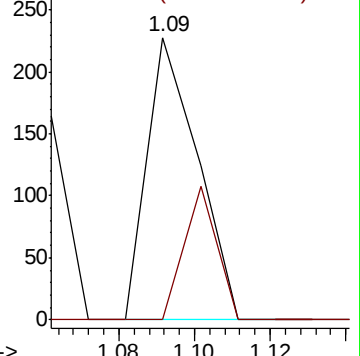
Ion Ratio Lower Upper

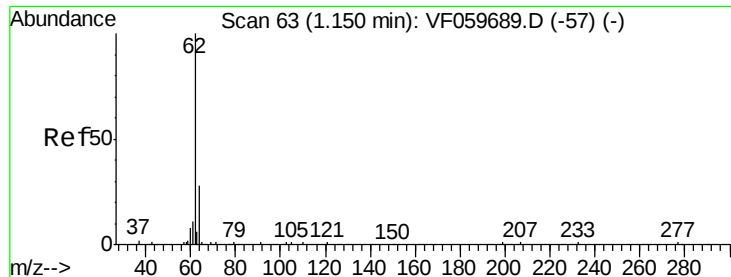
50 100

52 0.0 29.1 43.7#



Abundance Ion 50.00 (49.70 to 50.70): VF0





#4

Vinyl Chloride

Concen: Below Cal

RT: 1.05 min Scan# 53

Delta R.T. -0.10 min

Lab File: VF059712.D

Acq: 31 Jul 2018 16:34

Instrument :

MSVOA_F

ClientSampleId :

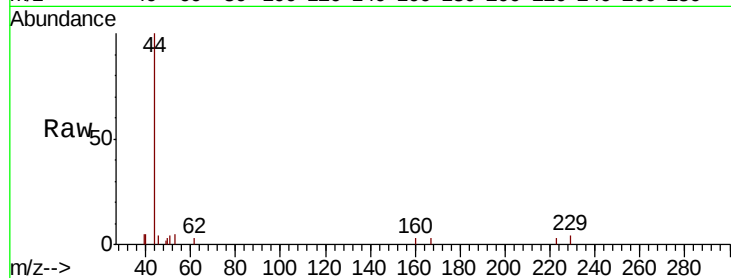
EPE-F-8(130-132)

Tot Ion: 62 Resp: 62

Ion Ratio Lower Upper

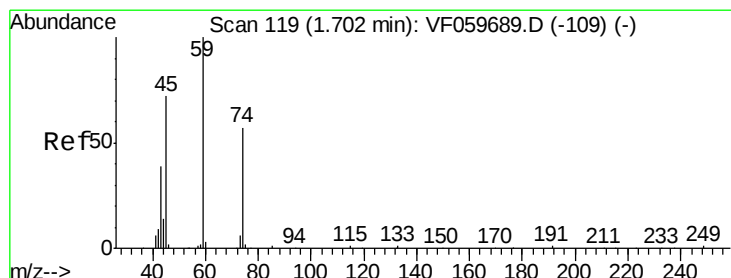
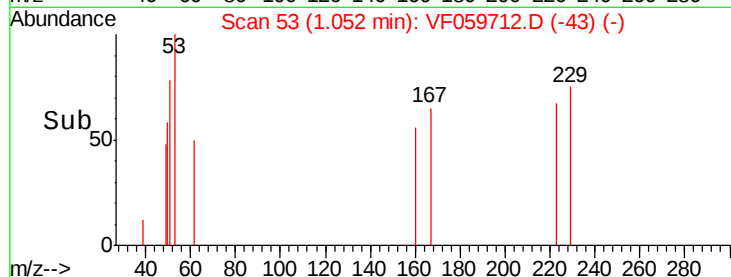
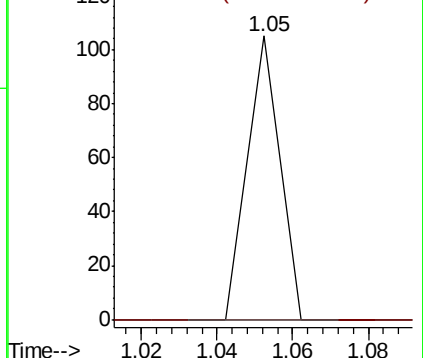
62 100

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



#8

Diethyl Ether

Concen: 4.468 ug/l

RT: 1.69 min Scan# 118

Delta R.T. -0.01 min

Lab File: VF059712.D

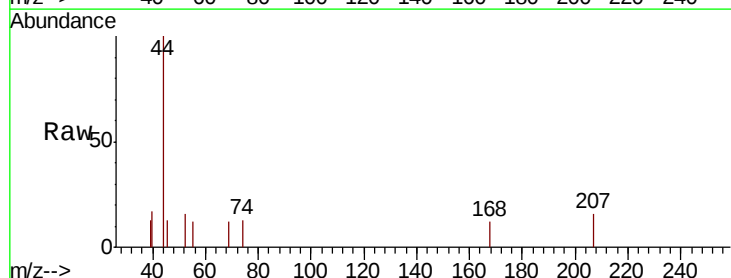
Acq: 31 Jul 2018 16:34

Tgt Ion: 74 Resp: 67

Ion Ratio Lower Upper

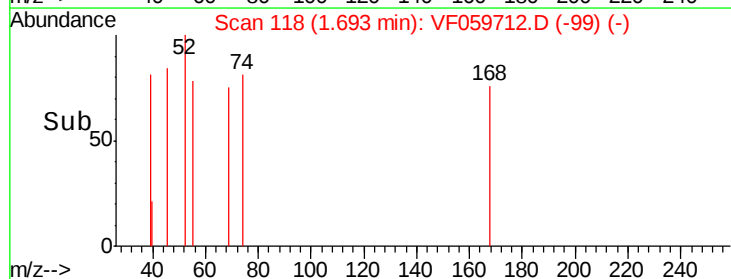
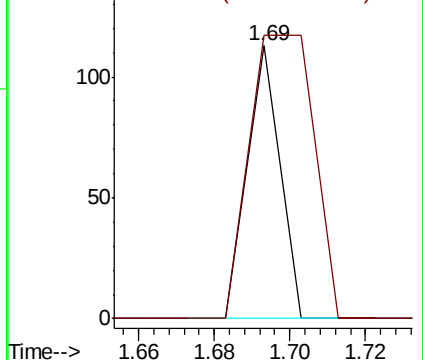
74 100

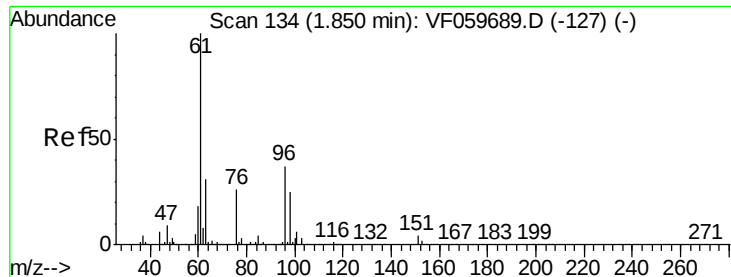
45 103.5 62.7 188.2



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0





#12

1,1-Dichloroethene

Concen: 1.815 ug/l

RT: 1.84 min Scan# 133

Delta R.T. -0.01 min

Lab File: VF059712.D

Acq: 31 Jul 2018 16:34

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(130-132)

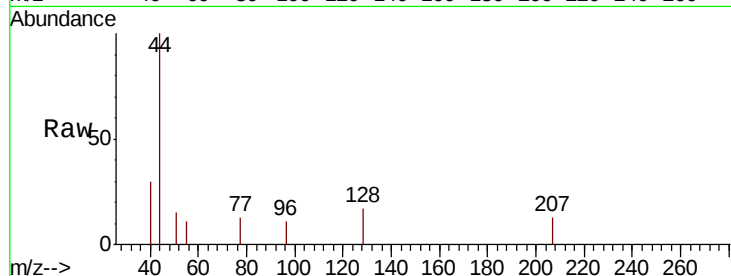
Tot Ion: 96 Resp: 66

Ion Ratio Lower Upper

96 100

61 0.0 215.1 322.7#

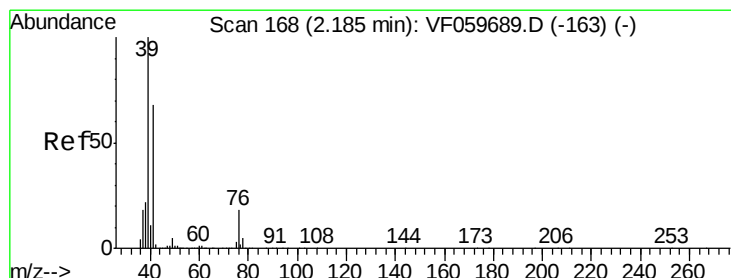
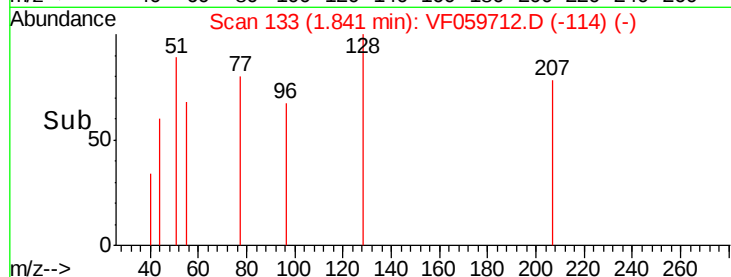
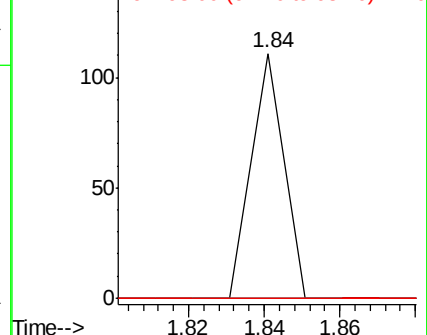
98 0.0 54.3 81.5#



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



#14

Allyl chloride

Concen: 1.378 ug/l

RT: 2.18 min Scan# 167

Delta R.T. -0.01 min

Lab File: VF059712.D

Acq: 31 Jul 2018 16:34

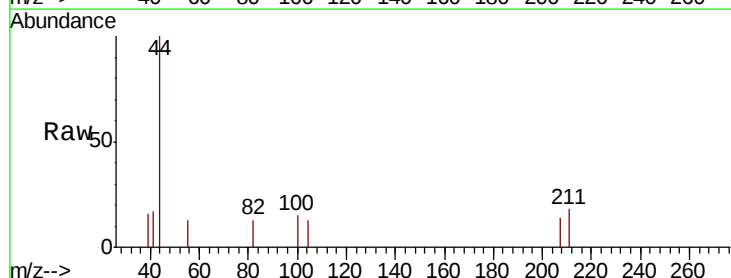
Tgt Ion: 41 Resp: 80

Ion Ratio Lower Upper

41 100

39 95.6 118.1 177.1#

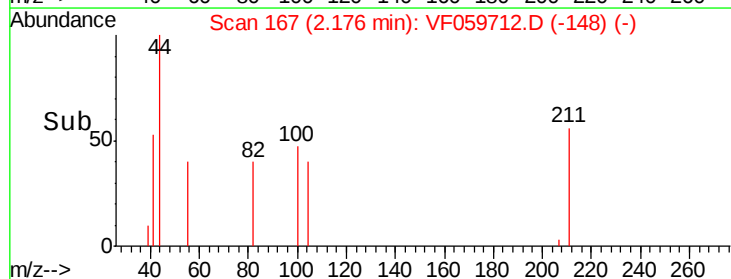
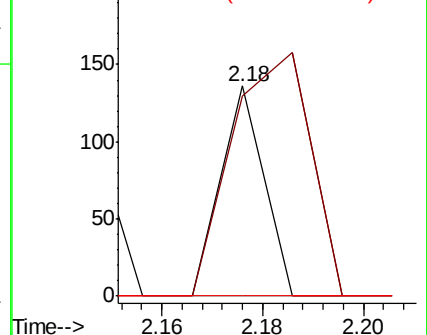
76 0.0 22.0 33.0#

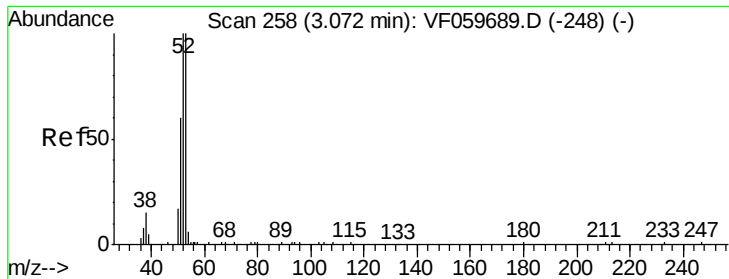


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 13.813 ug/l

RT: 3.04 min Scan# 255

Delta R.T. -0.03 min

Lab File: VF059712.D

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EPE-F-8(130-132)

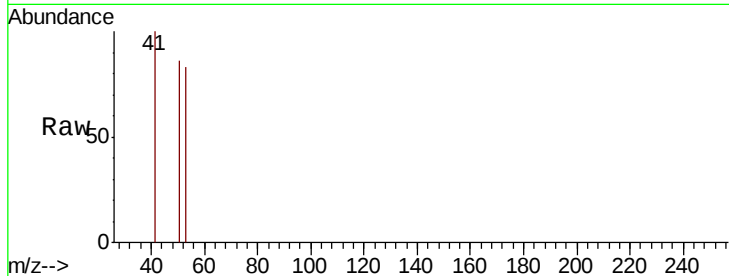
Tot Ion: 53 Resp: 75

Ion Ratio Lower Upper

53 100

52 0.0 80.3 120.5#

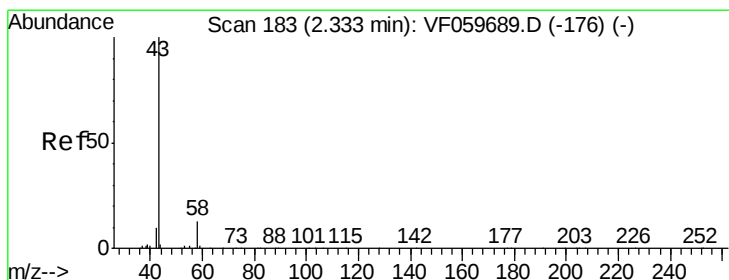
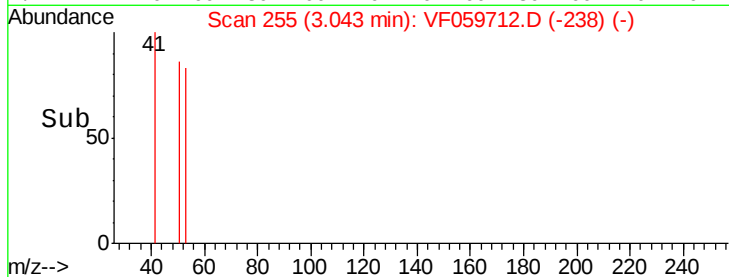
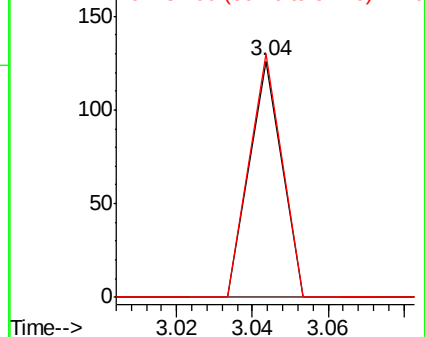
51 103.2 49.4 74.0#



Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



#16

Acetone

Concen: 18.972 ug/l

RT: 2.31 min Scan# 181

Delta R.T. -0.02 min

Lab File: VF059712.D

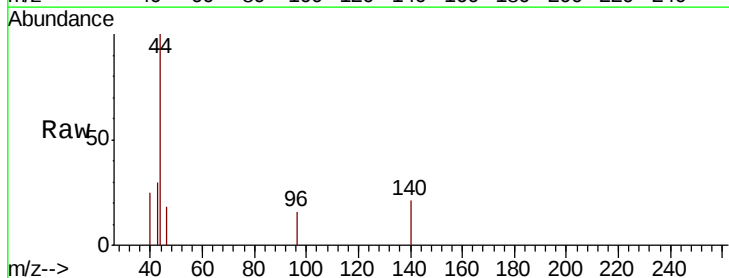
Acq: 31 Jul 2018 16:34

Tgt Ion: 43 Resp: 288

Ion Ratio Lower Upper

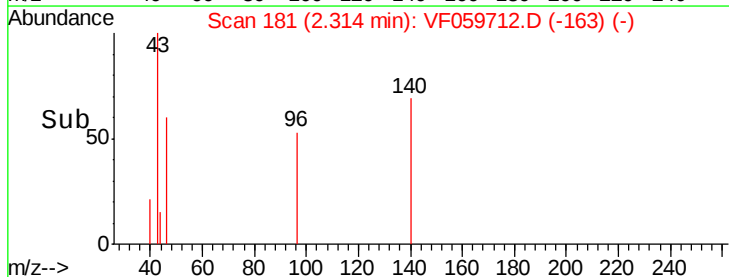
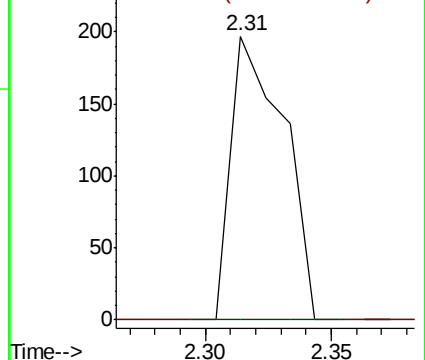
43 100

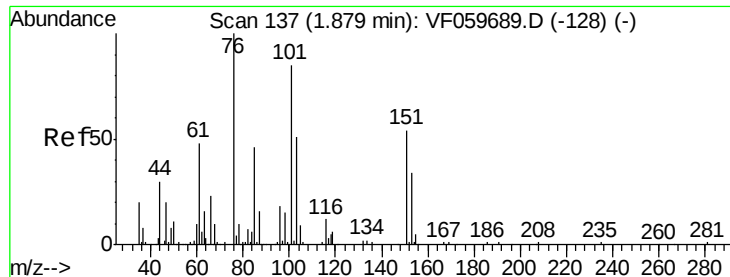
58 0.0 10.1 15.1#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0





#17

Carbon Disulfide

Concen: Below Cal

RT: 1.86 min Scan# 135

Delta R.T. -0.02 min

Lab File: VF059712.D

Acq: 31 Jul 2018 16:34

Instrument :

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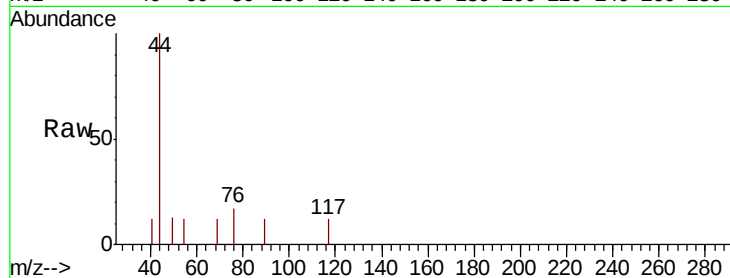
EPE-F-8(130-132)

Tot Ion: 76 Resp: 88

Ion Ratio Lower Upper

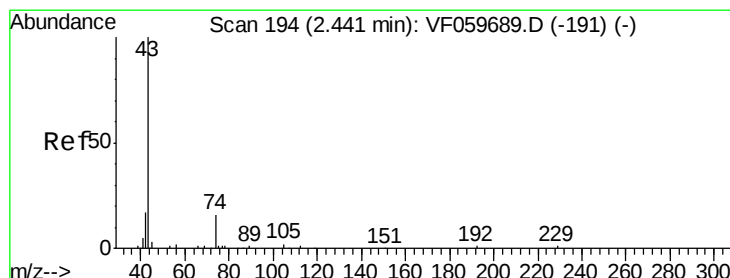
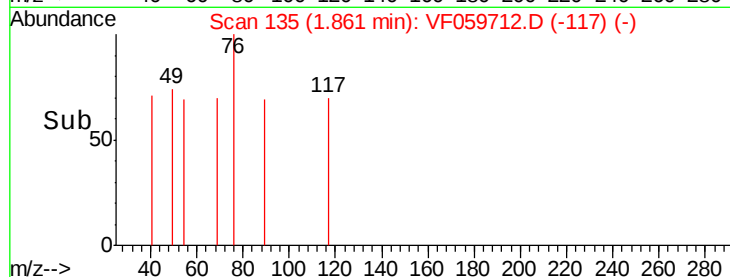
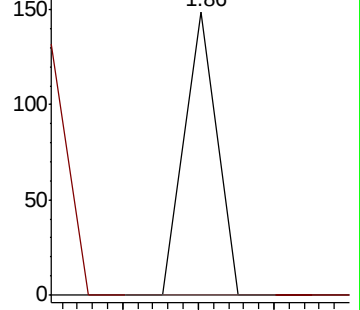
76 100

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



#18

Methyl Acetate

Concen: Below Cal

RT: 2.51 min Scan# 201

Delta R.T. 0.07 min

Lab File: VF059712.D

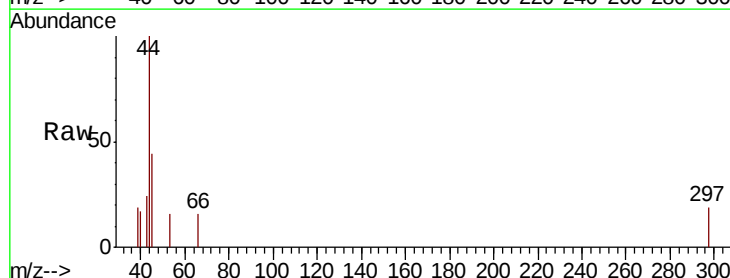
Acq: 31 Jul 2018 16:34

Tgt Ion: 43 Resp: 89

Ion Ratio Lower Upper

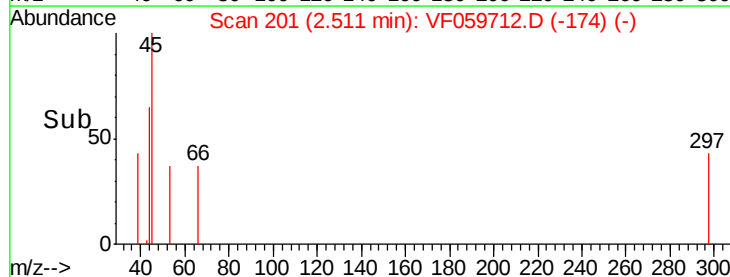
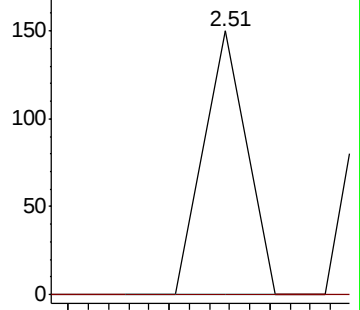
43 100

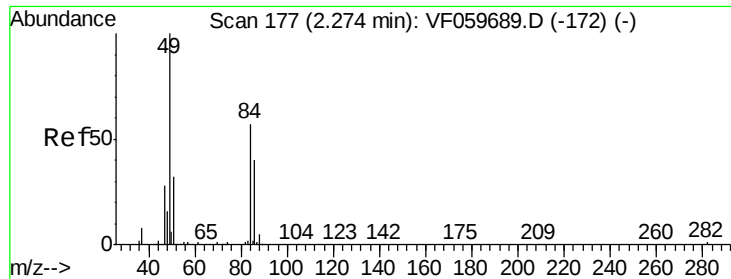
74 0.0 11.8 17.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

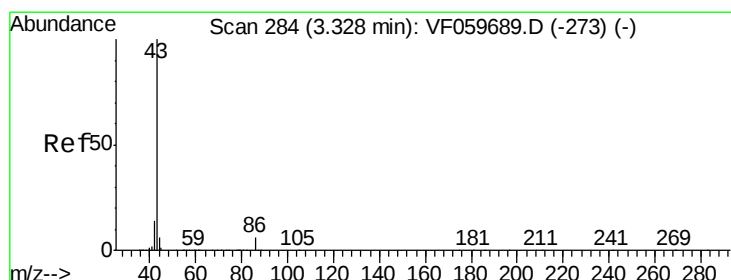
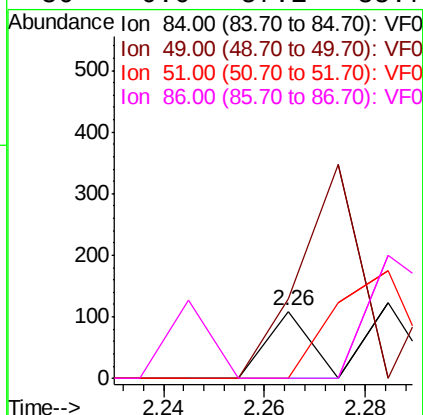
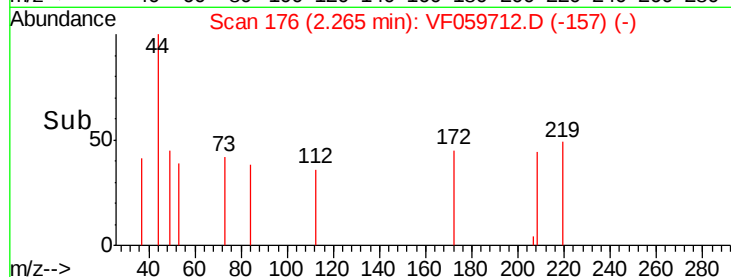
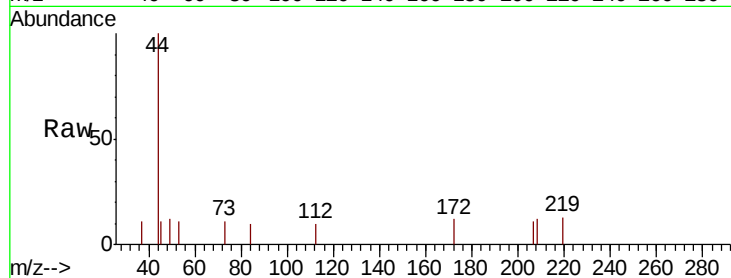




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.26 min Scan# 176
Delta R.T. -0.01 min
Lab File: VF059712.D
Acq: 31 Jul 2018 16:34

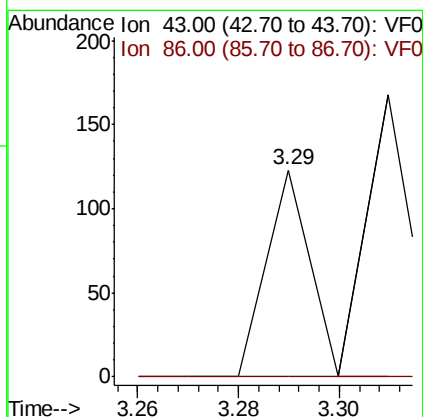
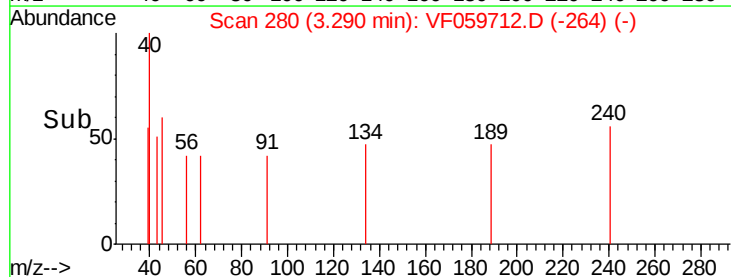
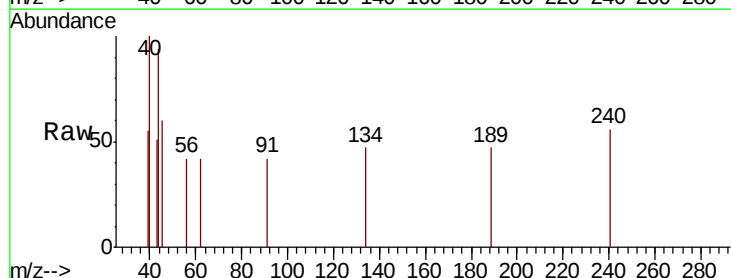
Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(130-132)

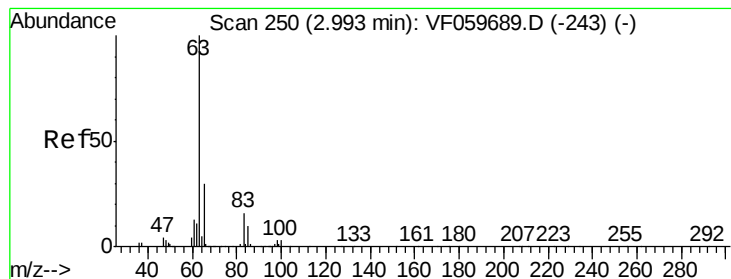
Tot Ion: 84 Resp: 64
Ion Ratio Lower Upper
84 100
49 118.3 142.2 213.4#
51 0.0 46.2 69.2#
86 0.0 57.1 85.7#



#23
Vinyl Acetate
Concen: 1.156 ug/l
RT: 3.29 min Scan# 280
Delta R.T. -0.04 min
Lab File: VF059712.D
Acq: 31 Jul 2018 16:34

Tgt Ion: 43 Resp: 73
Ion Ratio Lower Upper
43 100
86 0.0 4.6 6.8#





#24

1,1-Dichloroethane

Concen: 1.700 ug/l

RT: 3.00 min Scan# 251

Delta R.T. 0.01 min

Lab File: VF059712.D

Acq: 31 Jul 2018 16:34

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(130-132)

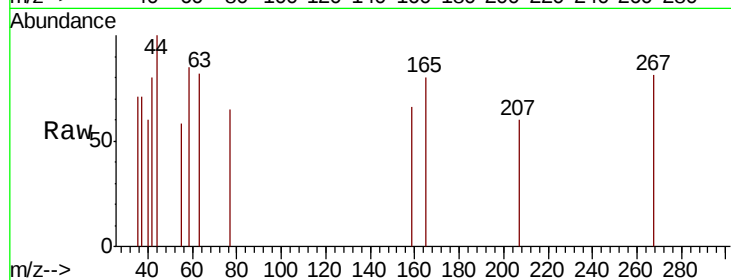
Tot Ion: 63 Resp: 145

Ion Ratio Lower Upper

63 100

98 0.0 1.4 4.2#

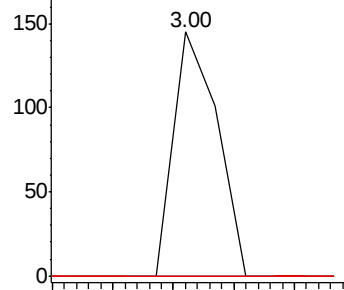
100 0.0 1.6 4.7#



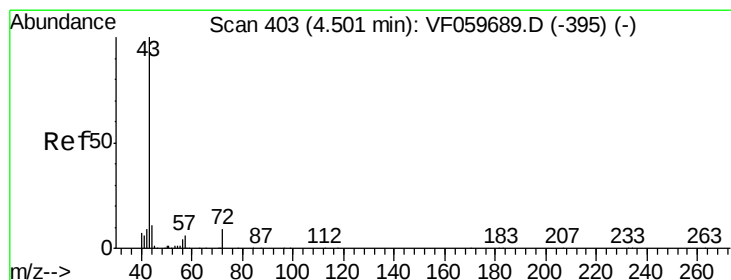
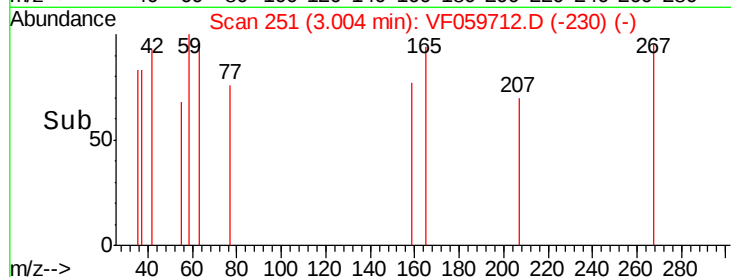
Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time--> 2.96 2.98 3.00 3.02 3.04



#25

2-Butanone

Concen: 6.729 ug/l

RT: 4.52 min Scan# 405

Delta R.T. 0.02 min

Lab File: VF059712.D

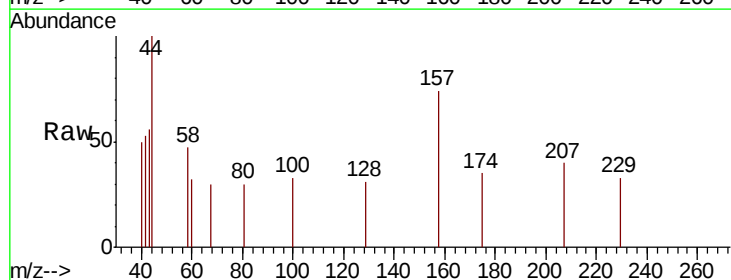
Acq: 31 Jul 2018 16:34

Tgt Ion: 43 Resp: 114

Ion Ratio Lower Upper

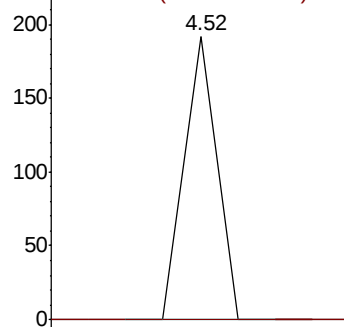
43 100

72 0.0 7.7 11.5#

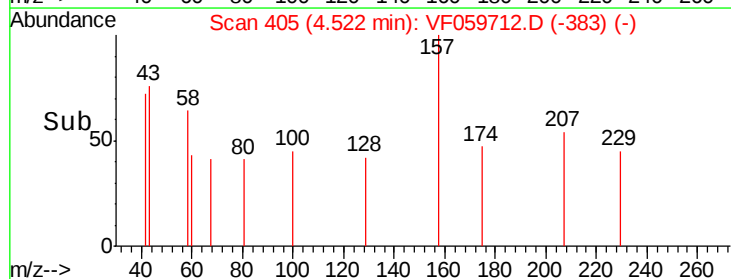


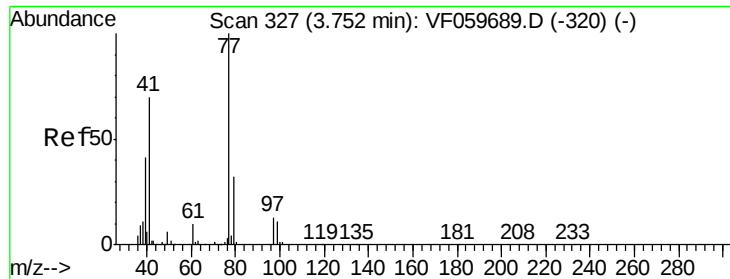
Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0



Time--> 4.50 4.52 4.54





#26

2,2-Dichloropropane

Concen: 1.118 ug/l

RT: 3.64 min Scan# 316

Delta R.T. -0.11 min

Lab File: VF059712.D

Acq: 31 Jul 2018 16:34

Instrument :

MSVOA_F

ClientSampleId :

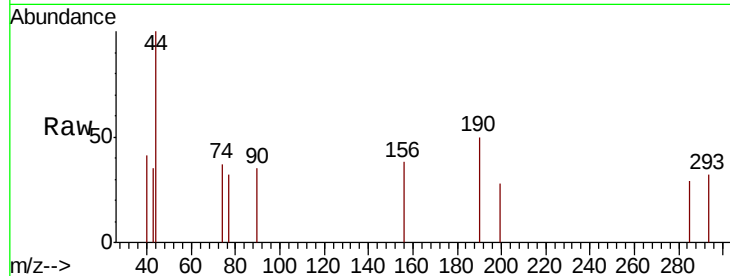
EPE-F-8(130-132)

Tot Ion: 77 Resp: 68

Ion Ratio Lower Upper

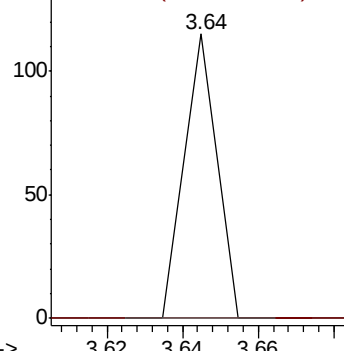
77 100

97 0.0 6.8 20.4#

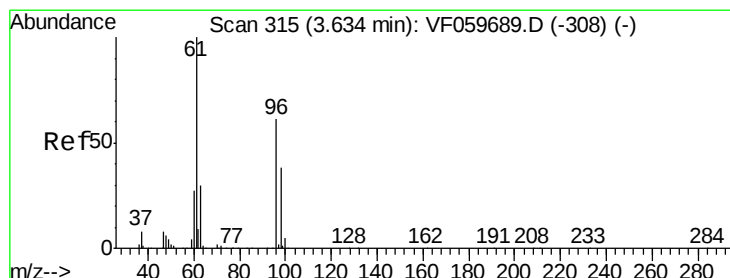
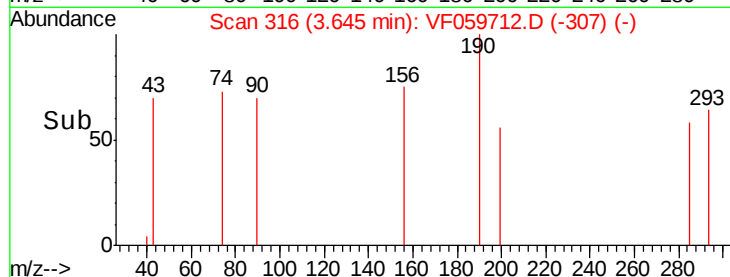


Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0



Time-->



#27

cis-1,2-Dichloroethene

Concen: 1.357 ug/l

RT: 3.58 min Scan# 309

Delta R.T. -0.06 min

Lab File: VF059712.D

Acq: 31 Jul 2018 16:34

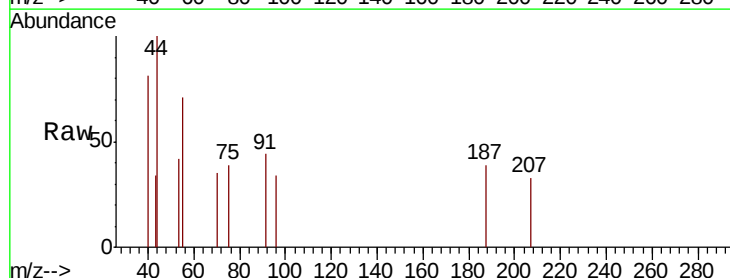
Tgt Ion: 96 Resp: 62

Ion Ratio Lower Upper

96 100

61 0.0 0.0 326.8

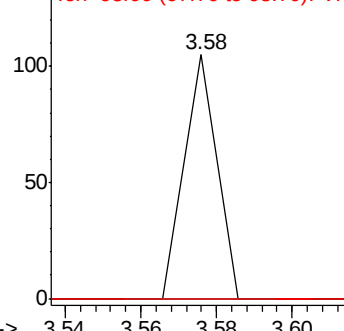
98 0.0 0.0 125.2



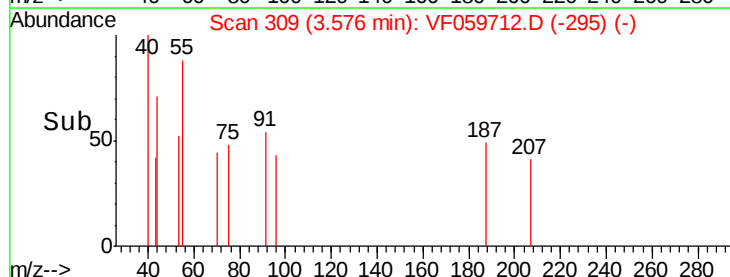
Abundance Ion 96.00 (95.70 to 96.70): VF0

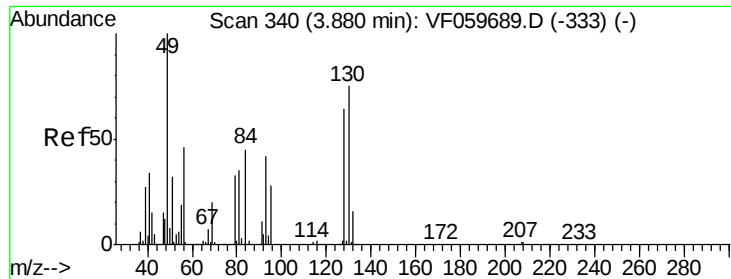
Ion 61.00 (60.70 to 61.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time-->





#28

Bromochloromethane

Concen: Below Cal

RT: 3.86 min Scan# 338

Delta R.T. -0.02 min

Lab File: VF059712.D

Acq: 31 Jul 2018 16:34

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(130-132)

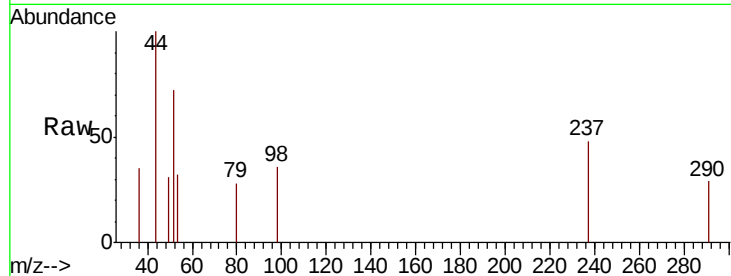
Tot Ion: 49 Resp: 67

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

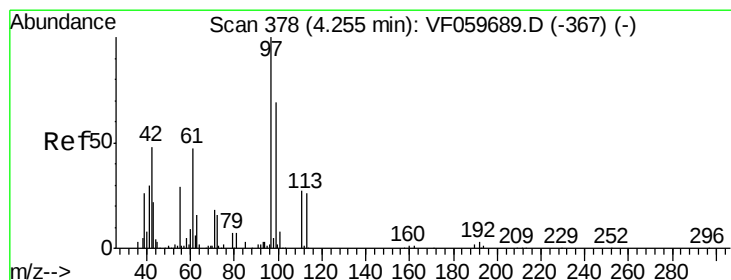
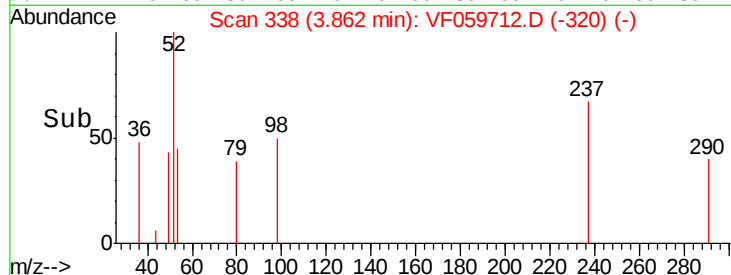
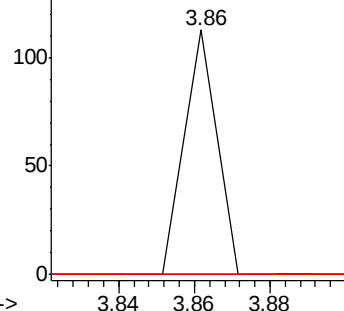
130 0.0 59.6 89.4#



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: 16.587 ug/l

RT: 4.33 min Scan# 386

Delta R.T. 0.08 min

Lab File: VF059712.D

Acq: 31 Jul 2018 16:34

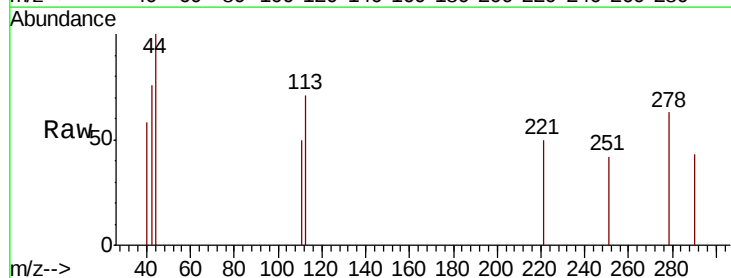
Tgt Ion: 42 Resp: 108

Ion Ratio Lower Upper

42 100

72 0.0 27.0 40.6#

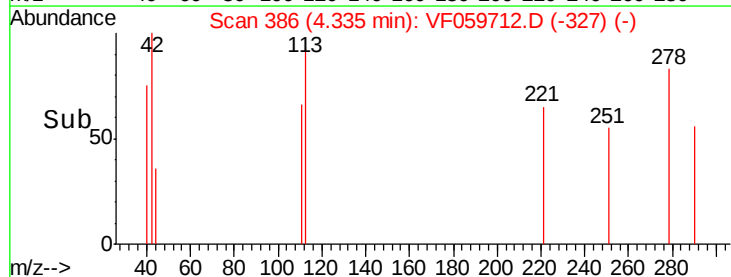
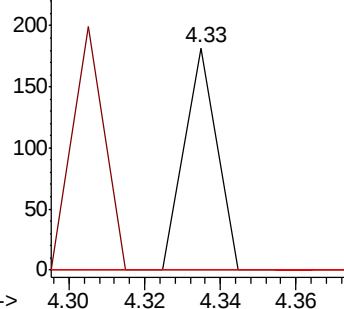
71 0.0 29.7 44.5#

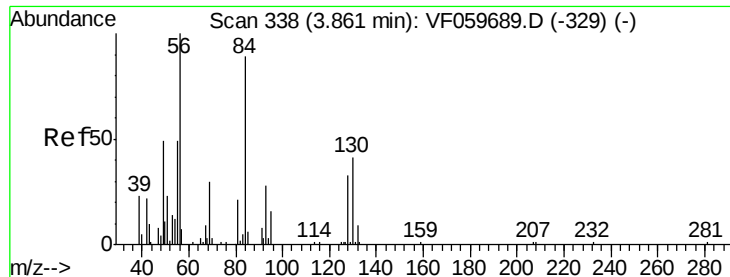


Abundance Ion 42.00 (41.70 to 42.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

Ion 71.00 (70.70 to 71.70): VF0

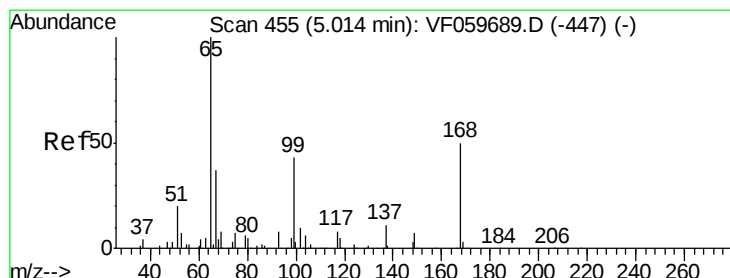
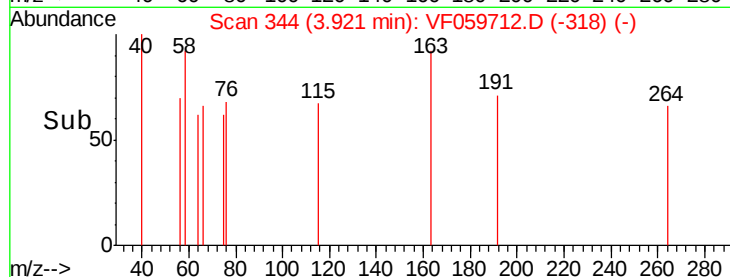
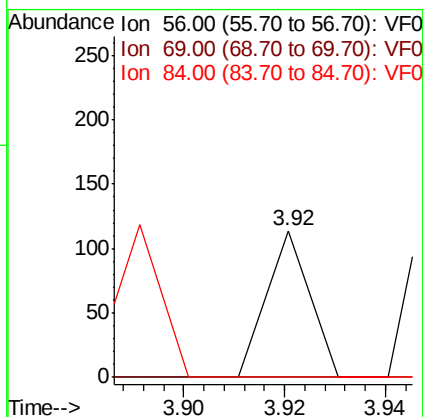
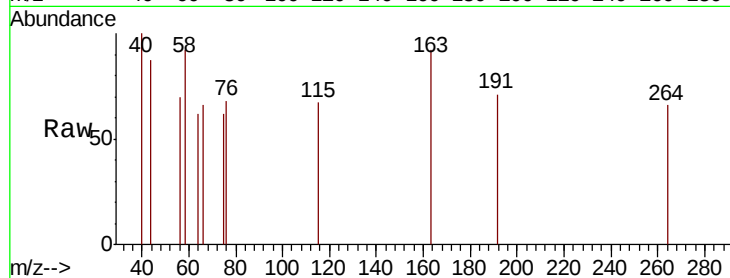




#31
Cyclohexane
Concen: Below Cal
RT: 3.92 min Scan# 344
Delta R.T. 0.06 min
Lab File: VF059712.D
Acq: 31 Jul 2018 16:34

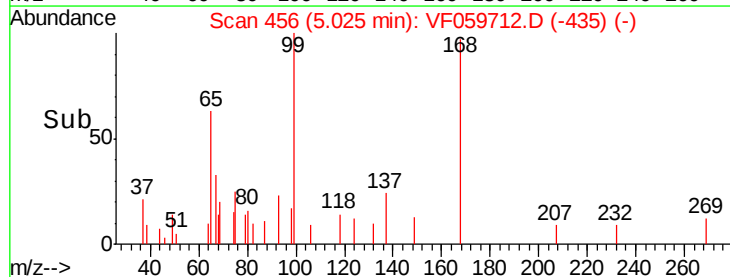
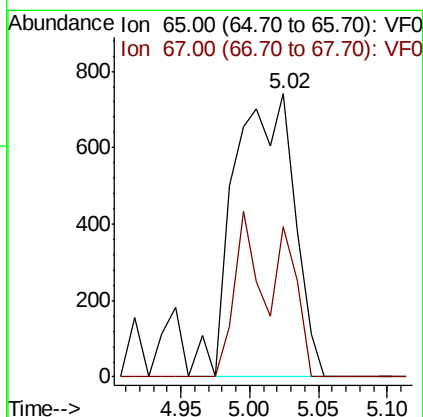
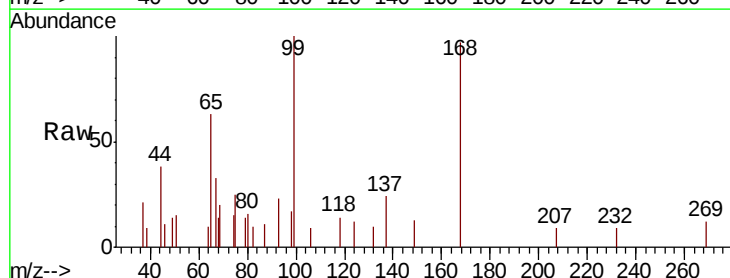
Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(130-132)

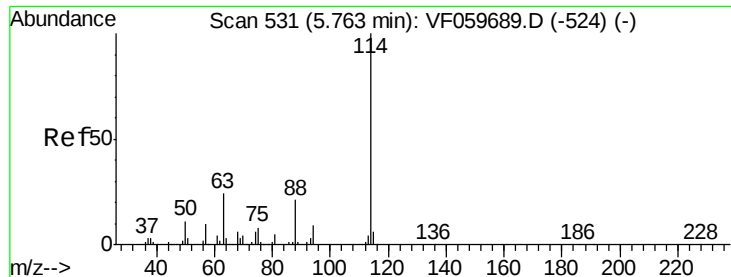
Tot Ion: 56 Resp: 67
Ion Ratio Lower Upper
56 100
69 0.0 23.7 35.5#
84 0.0 71.1 106.7#



#33
1,2-Dichloroethane-d4
Concen: 26.672 ug/l
RT: 5.02 min Scan# 456
Delta R.T. 0.01 min
Lab File: VF059712.D
Acq: 31 Jul 2018 16:34

Tgt Ion: 65 Resp: 2251
Ion Ratio Lower Upper
65 100
67 53.0 0.0 84.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.75 min Scan# 530

Delta R.T. -0.01 min

Lab File: VF059712.D

Acq: 31 Jul 2018 16:34

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(130-132)

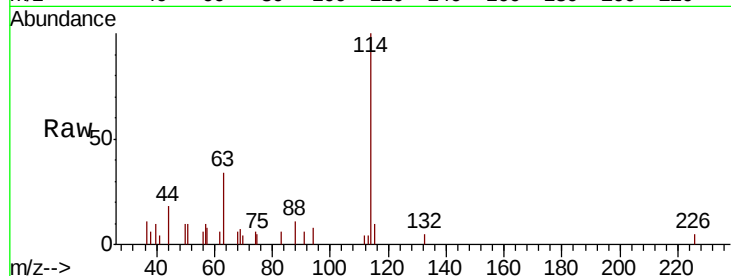
Tot Ion:114 Resp: 6369

Ion Ratio Lower Upper

114 100

63 34.4 0.0 47.4

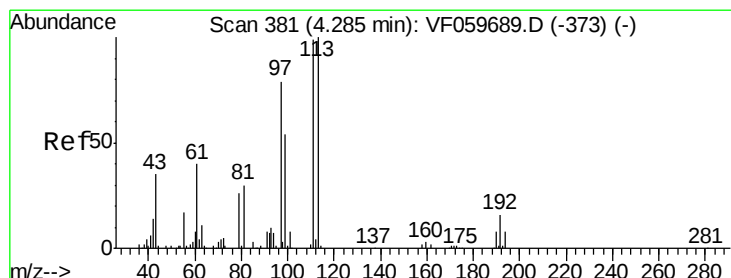
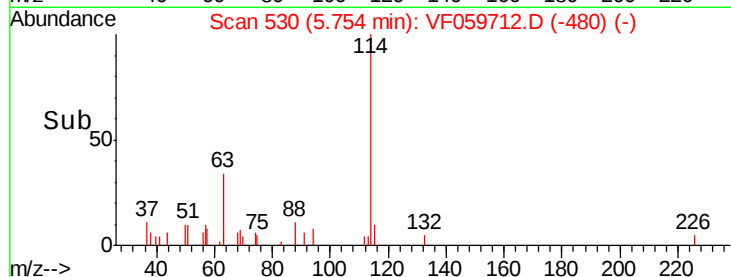
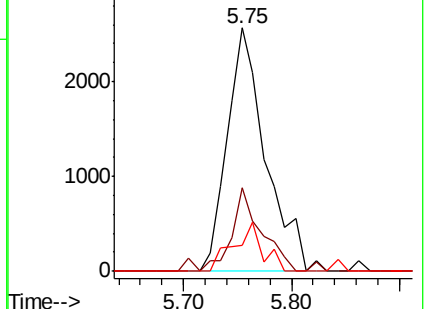
88 10.6 0.0 41.2



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35

Dibromofluoromethane

Concen: 47.799 ug/l

RT: 4.29 min Scan# 381

Delta R.T. 0.00 min

Lab File: VF059712.D

Acq: 31 Jul 2018 16:34

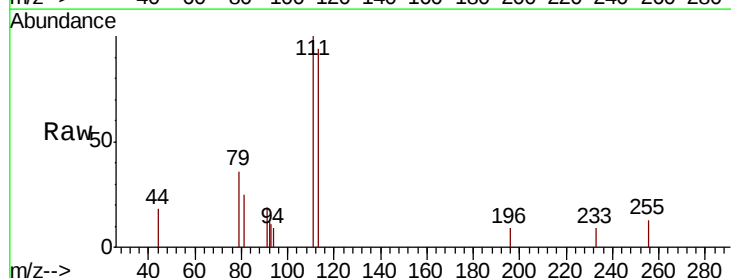
Tgt Ion:113 Resp: 3162

Ion Ratio Lower Upper

113 100

111 105.9 79.0 118.4

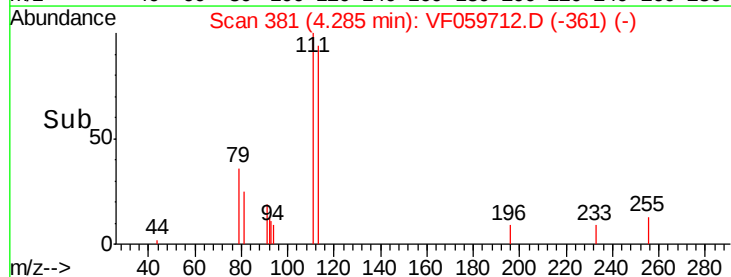
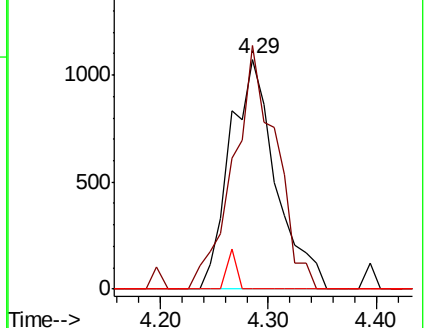
192 0.0 13.2 19.8#

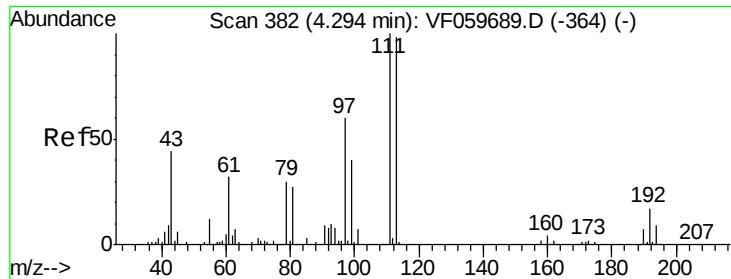


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

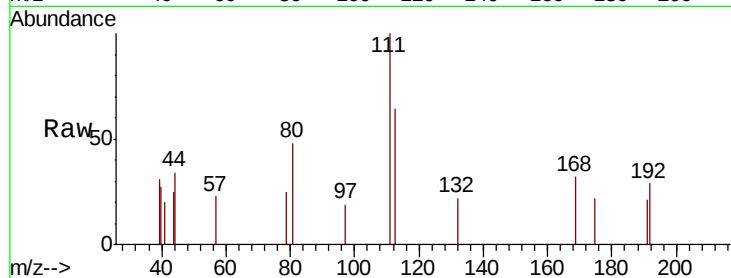




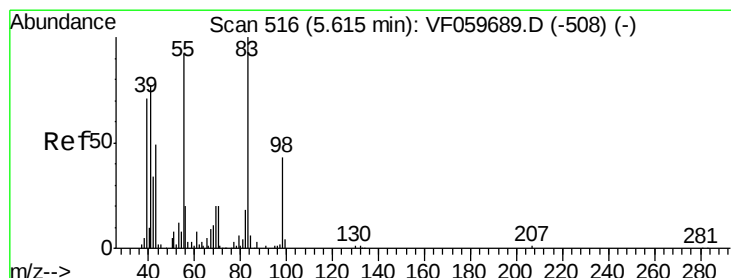
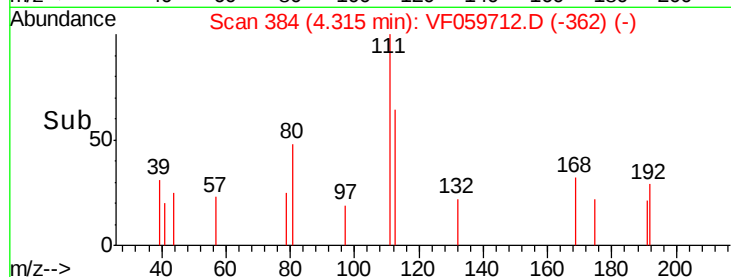
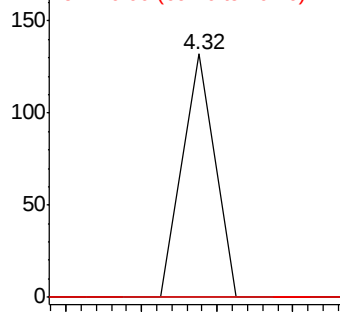
#37
Ethyl Acetate
Concen: Below Cal
RT: 4.32 min Scan# 384
Delta R.T. 0.02 min
Lab File: VF059712.D
Acq: 31 Jul 2018 16:34

Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(130-132)

Tot Ion: 43 Resp: 78
Ion Ratio Lower Upper
43 100
61 0.0 58.2 87.2#
70 0.0 6.0 9.0#

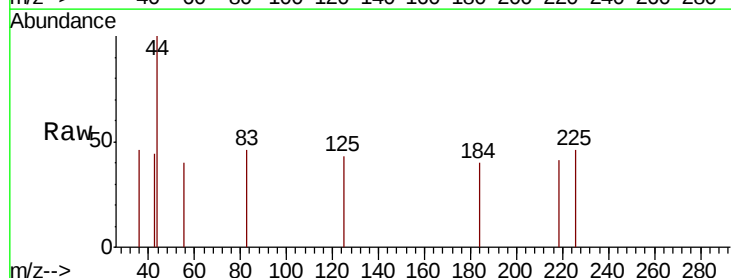


Abundance Ion 43.00 (42.70 to 43.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 70.00 (69.70 to 70.70): VF0

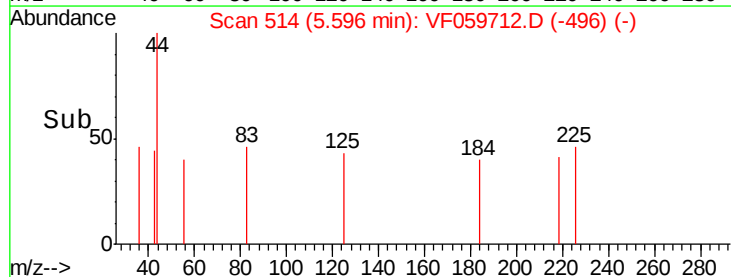
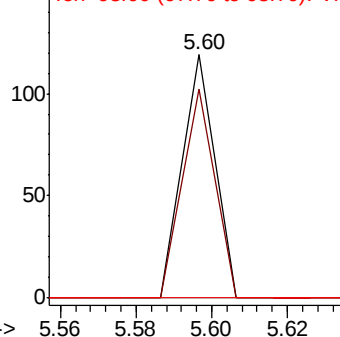


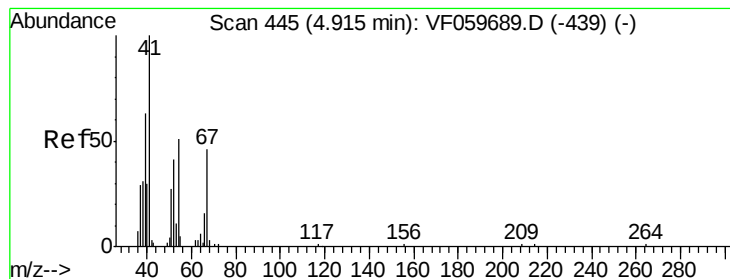
#39
Methylcyclohexane
Concen: Below Cal
RT: 5.60 min Scan# 514
Delta R.T. -0.02 min
Lab File: VF059712.D
Acq: 31 Jul 2018 16:34

Tgt Ion: 83 Resp: 70
Ion Ratio Lower Upper
83 100
55 85.7 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





#41

Methacrylonitrile

Concen: 3.567 ug/l

RT: 4.90 min Scan# 443

Delta R.T. -0.02 min

Lab File: VF059712.D

Acq: 31 Jul 2018 16:34

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(130-132)

Tot Ion: 41 Resp: 99

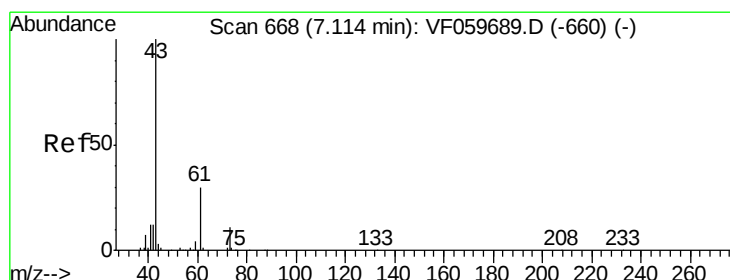
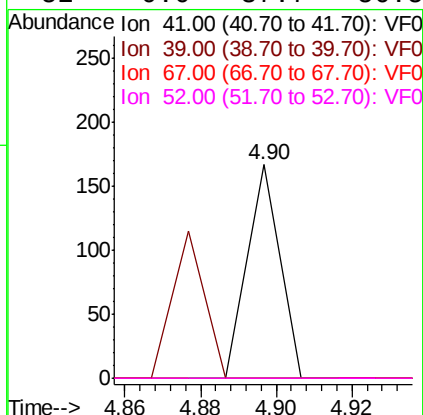
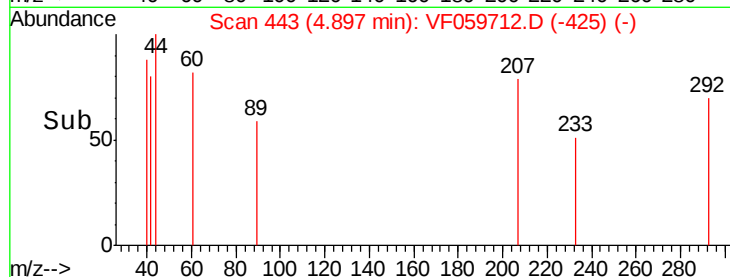
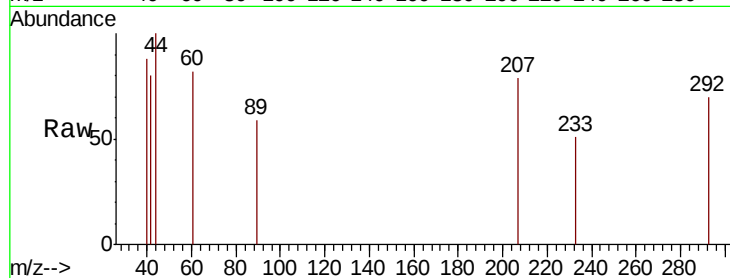
Ion Ratio Lower Upper

41 100

39 0.0 55.2 82.8#

67 0.0 36.2 54.2#

52 0.0 37.7 56.5#



#43

Isopropyl Acetate

Concen: 1.786 ug/l

RT: 7.09 min Scan# 666

Delta R.T. -0.02 min

Lab File: VF059712.D

Acq: 31 Jul 2018 16:34

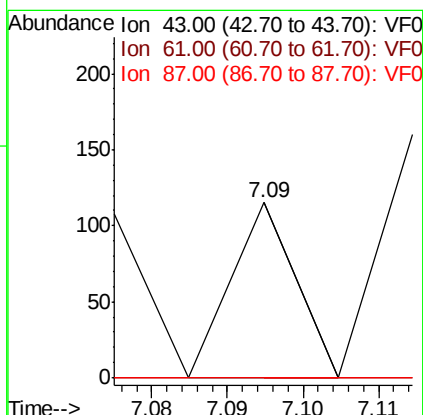
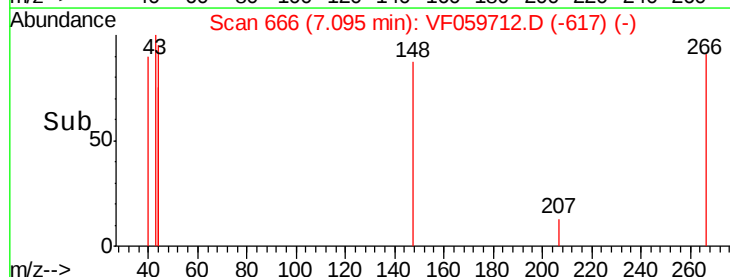
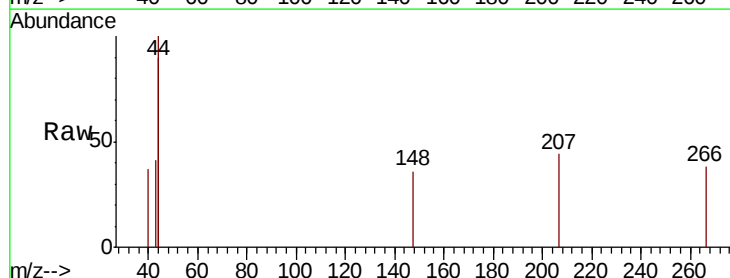
Tgt Ion: 43 Resp: 68

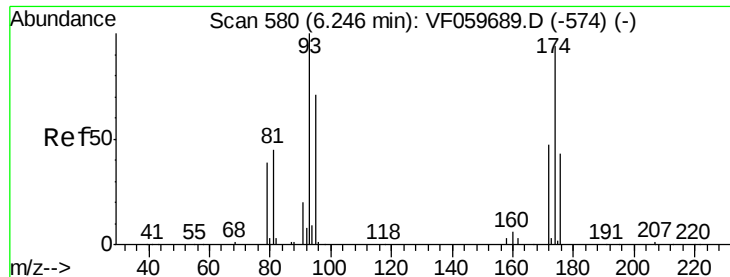
Ion Ratio Lower Upper

43 100

61 0.0 23.8 35.8#

87 0.0 0.6 1.0#

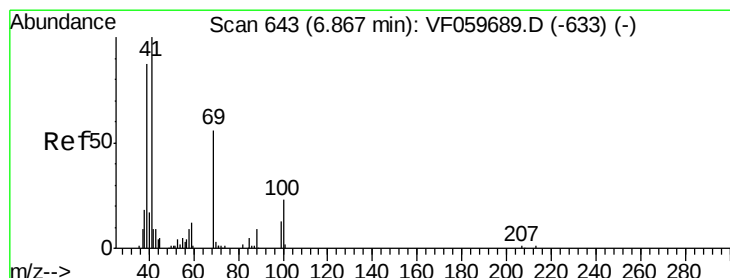
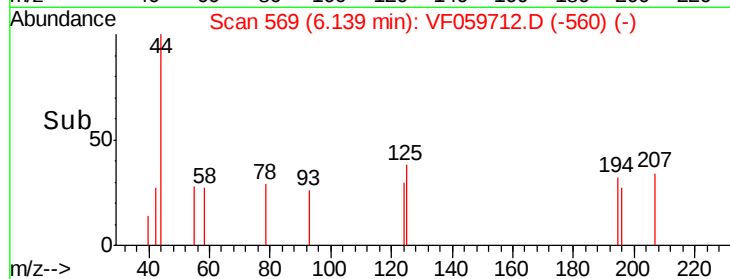
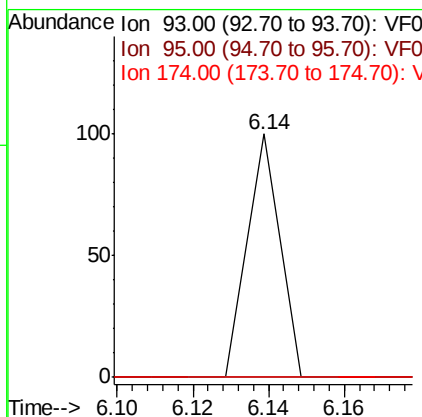
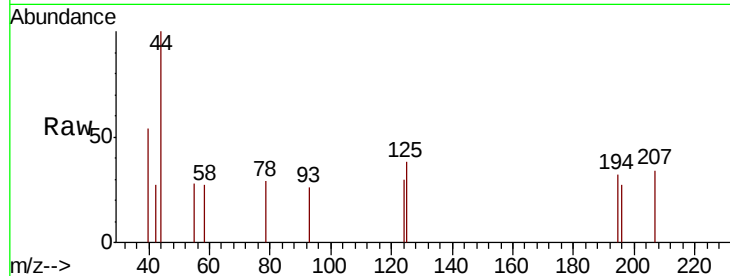




#46
 Dibromomethane
 Concen: 1.830 ug/l
 RT: 6.14 min Scan# 569
 Delta R.T. -0.11 min
 Lab File: VF059712.D
 Acq: 31 Jul 2018 16:34

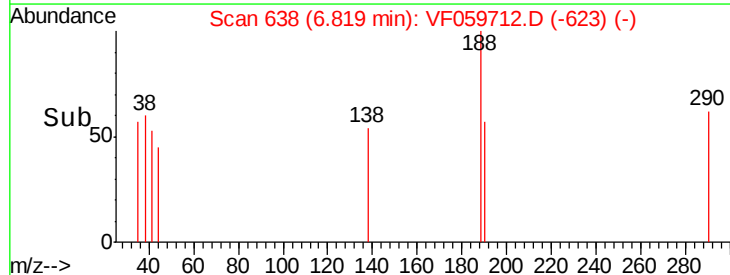
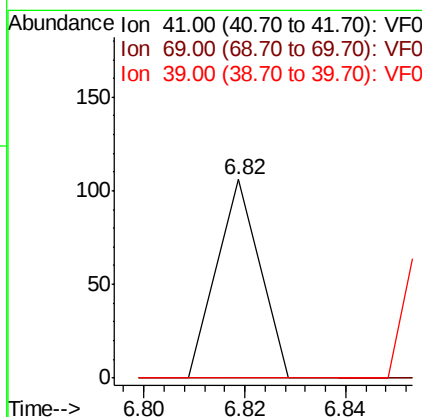
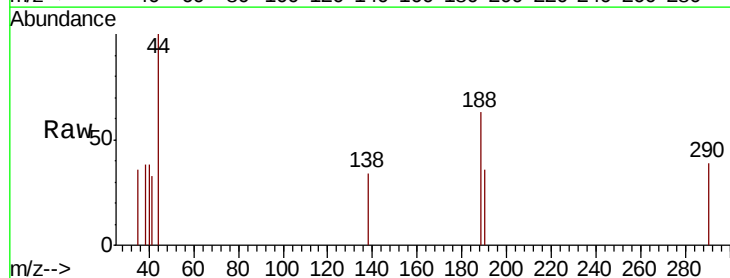
Instrument :
 MSVOA_F
 ClientSampleId :
 EPE-F-8(130-132)

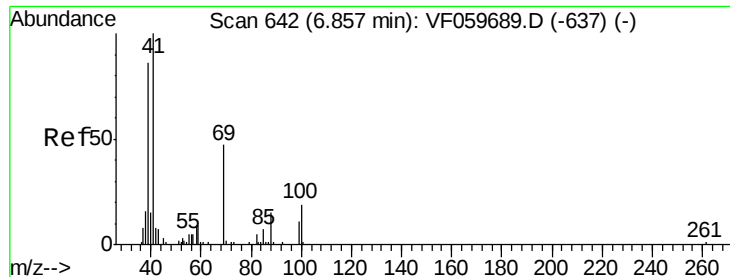
Tot Ion	Ratio	Lower	Upper
93	100		
95	0.0	57.1	85.7#
174	0.0	74.8	112.2#



#48
 Methyl methacrylate
 Concen: 2.199 ug/l
 RT: 6.82 min Scan# 638
 Delta R.T. -0.05 min
 Lab File: VF059712.D
 Acq: 31 Jul 2018 16:34

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





#49

1,4-Dioxane

Concen: 372.466 ug/l

RT: 7.29 min Scan# 686

Delta R.T. 0.43 min

Lab File: VF059712.D

Acq: 31 Jul 2018 16:34

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(130-132)

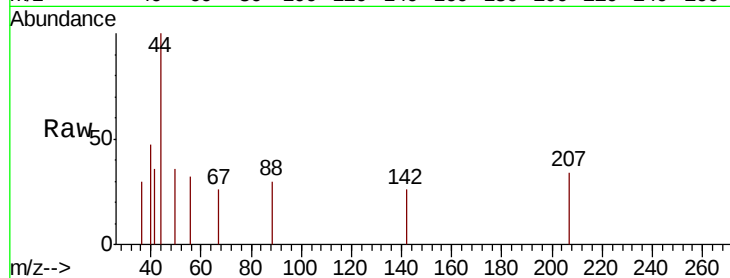
Tot Ion: 88 Resp: 74

Ion Ratio Lower Upper

88 100

43 0.0 45.2 67.8#

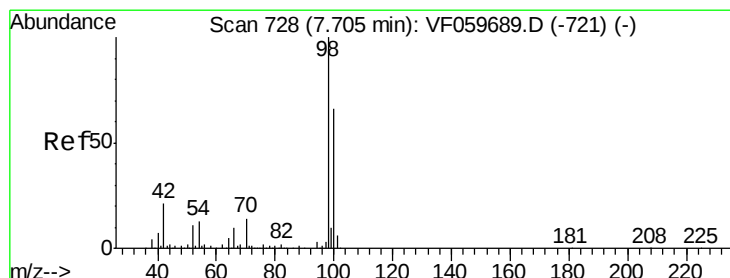
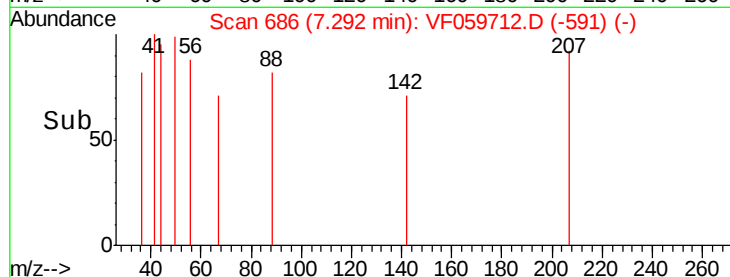
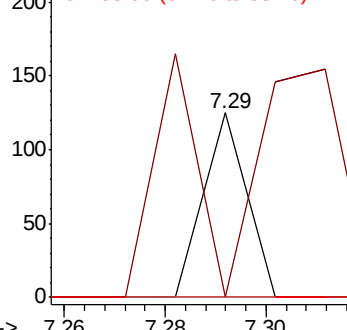
58 0.0 49.0 73.6#



Abundance Ion 88.00 (87.70 to 88.70): VF0

Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#50

Toluene-d8

Concen: 42.136 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059712.D

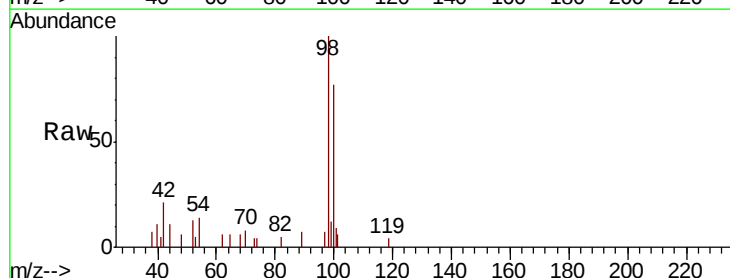
Acq: 31 Jul 2018 16:34

Tgt Ion: 98 Resp: 6500

Ion Ratio Lower Upper

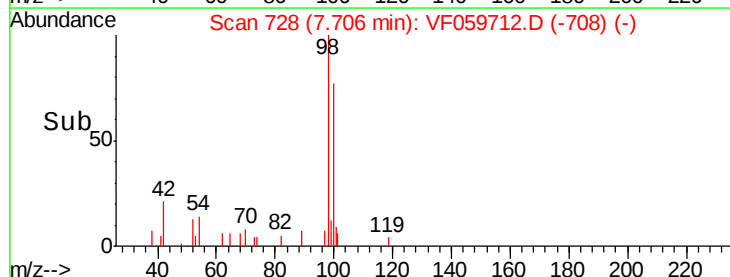
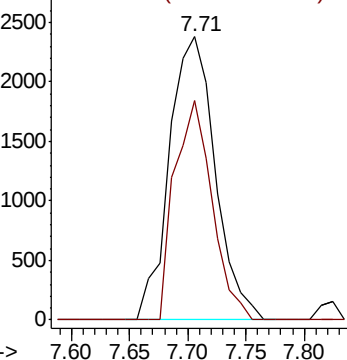
98 100

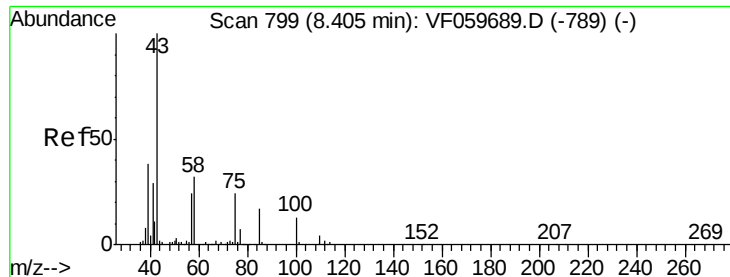
100 77.3 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0





#51

4-Methyl-2-Pentanone

Concen: 2.106 ug/l

RT: 8.38 min Scan# 796

Delta R.T. -0.03 min

Lab File: VF059712.D

Acq: 31 Jul 2018 16:34

Instrument :

MSVOA_F

ClientSampleId :

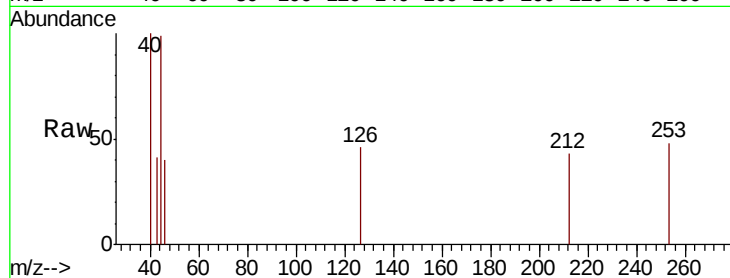
EPE-F-8(130-132)

Tot Ion: 43 Resp: 61

Ion Ratio Lower Upper

43 100

58 0.0 25.9 38.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

8.38

100

80

60

40

20

0

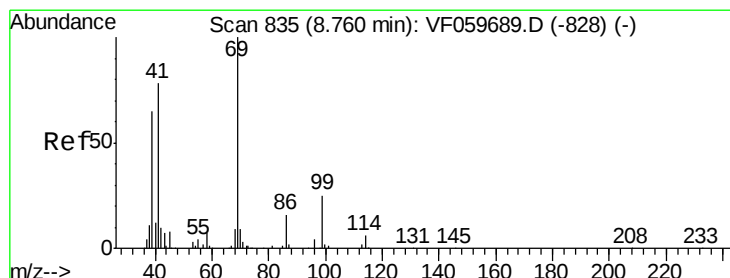
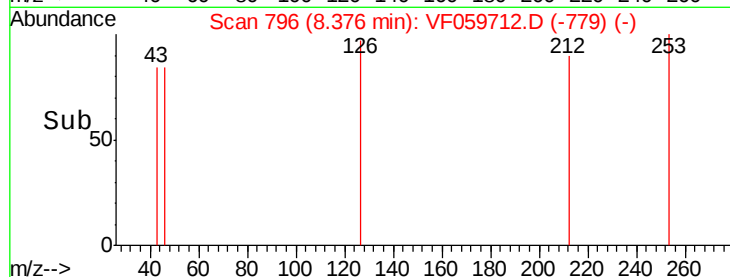
Time-->

8.34

8.36

8.38

8.40



#56

Ethyl methacrylate

Concen: 1.817 ug/l

RT: 8.69 min Scan# 828

Delta R.T. -0.07 min

Lab File: VF059712.D

Acq: 31 Jul 2018 16:34

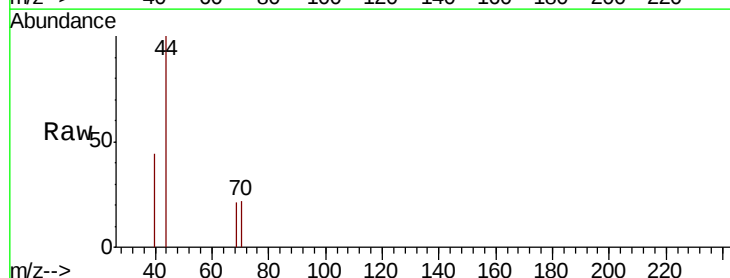
Tgt Ion: 69 Resp: 66

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

400

300

200

100

0

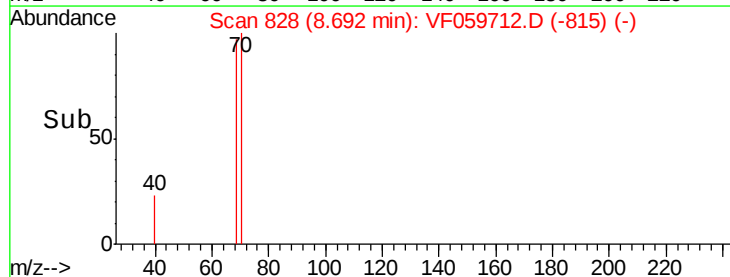
Time-->

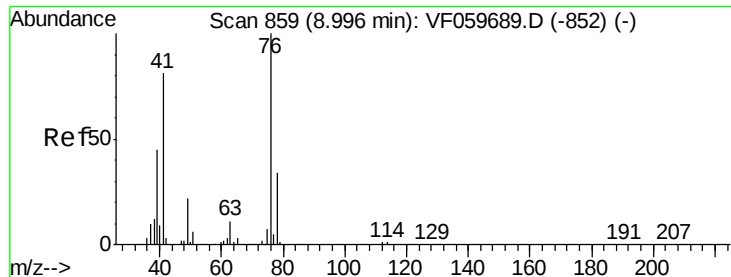
8.68

8.69

8.70

8.72





#57

1,3-Dichloropropane

Concen: 1.021 ug/l

RT: 8.97 min Scan# 856

Delta R.T. -0.03 min

Lab File: VF059712.D

Acq: 31 Jul 2018 16:34

Instrument :

MSVOA_F

ClientSampleId :

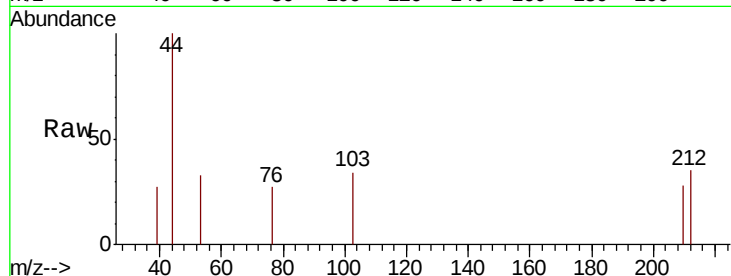
EPE-F-8(130-132)

Tot Ion: 76 Resp: 61

Ion Ratio Lower Upper

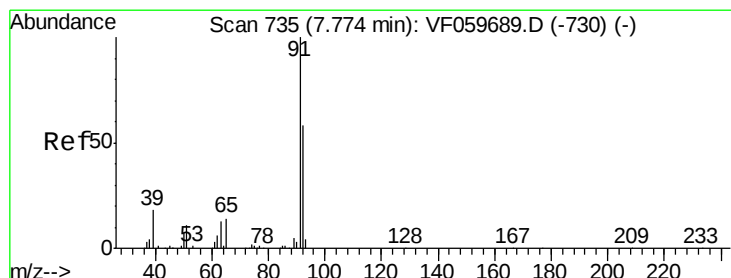
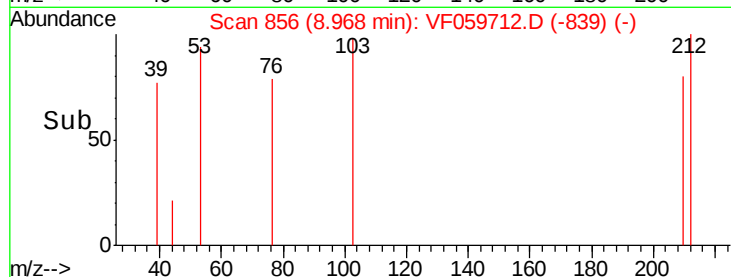
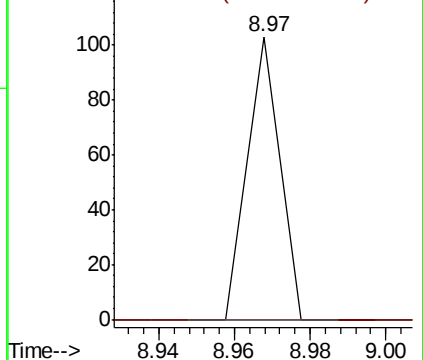
76 100

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



#58

2-Chloroethyl Vinyl ether

Concen: 14.305 ug/l

RT: 7.81 min Scan# 739

Delta R.T. 0.04 min

Lab File: VF059712.D

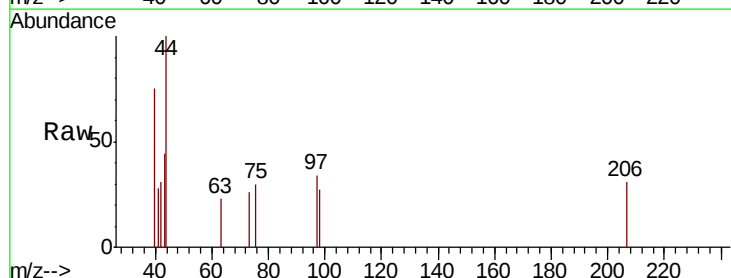
Acq: 31 Jul 2018 16:34

Tgt Ion: 63 Resp: 60

Ion Ratio Lower Upper

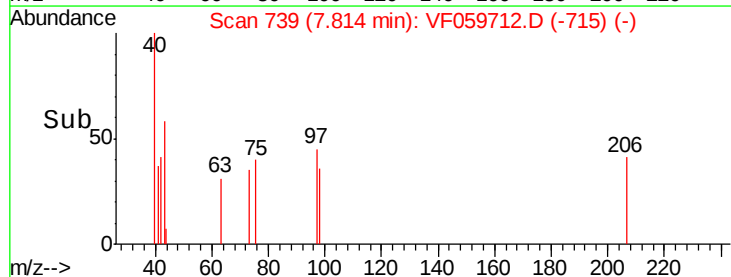
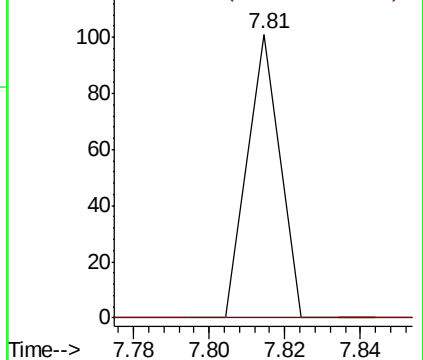
63 100

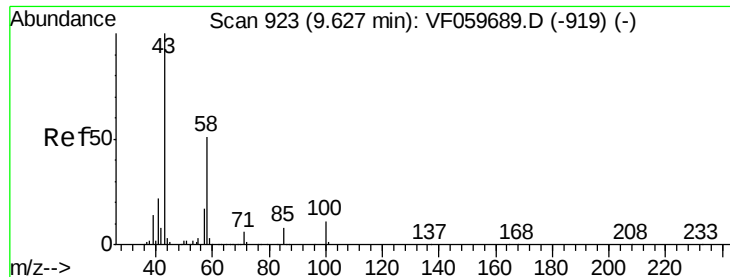
106 0.0 0.0 0.0



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 106.00 (105.70 to 106.70): V

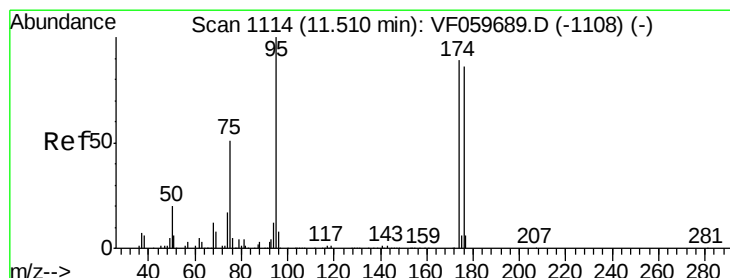
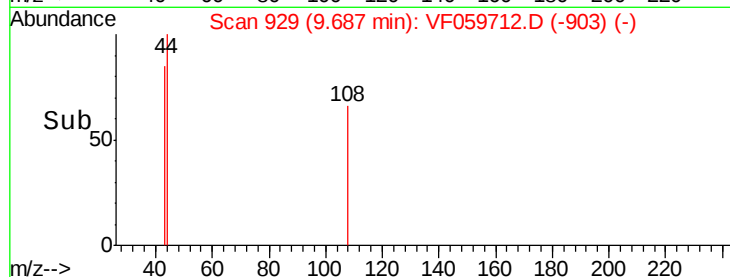
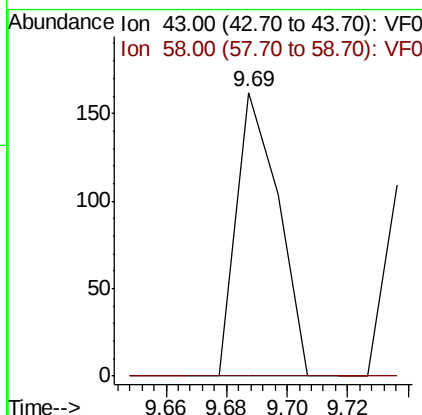
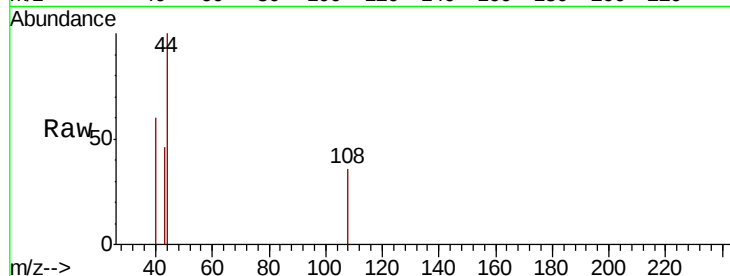




#59
2-Hexanone
Concen: 6.763 ug/l
RT: 9.69 min Scan# 929
Delta R.T. 0.06 min
Lab File: VF059712.D
Acq: 31 Jul 2018 16:34

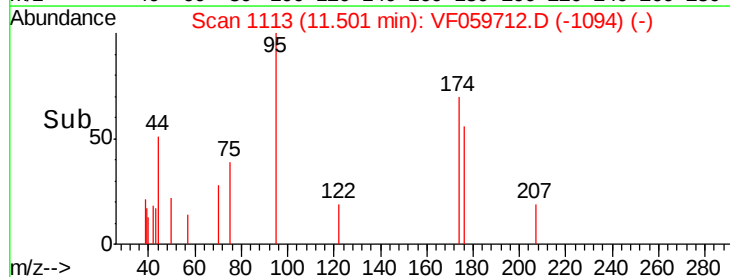
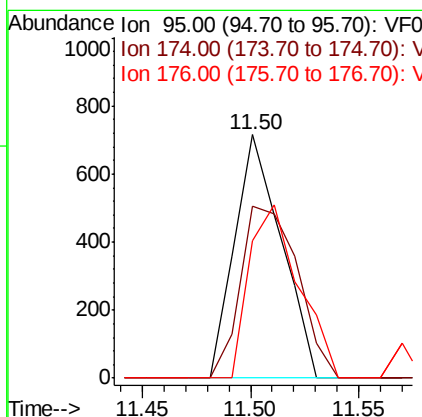
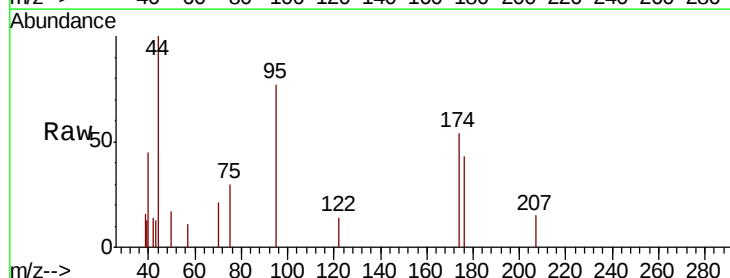
Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(130-132)

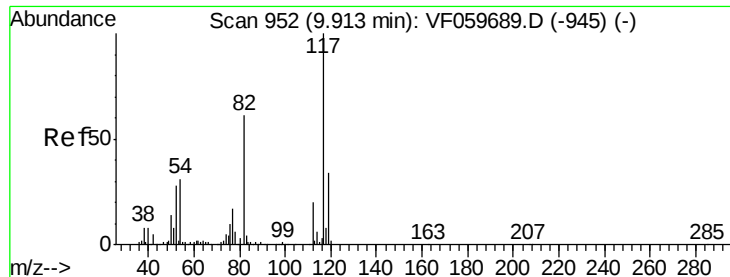
Tot Ion: 43 Resp: 157
Ion Ratio Lower Upper
43 100
58 0.0 23.3 69.8#



#62
4-Bromofluorobenzene
Concen: 12.681 ug/l
RT: 11.50 min Scan# 1113
Delta R.T. -0.01 min
Lab File: VF059712.D
Acq: 31 Jul 2018 16:34

Tgt Ion: 95 Resp: 1083
Ion Ratio Lower Upper
95 100
174 70.4 0.0 178.4
176 56.3 0.0 173.0

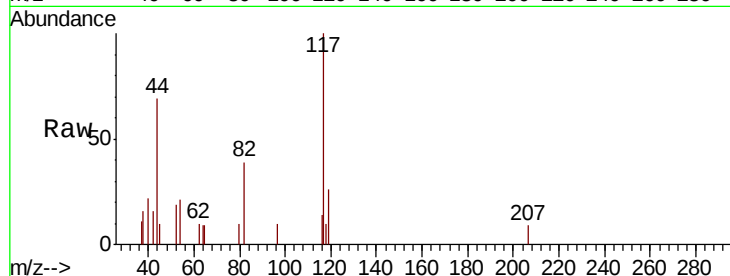




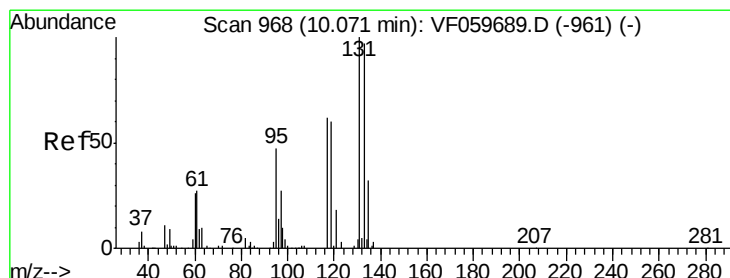
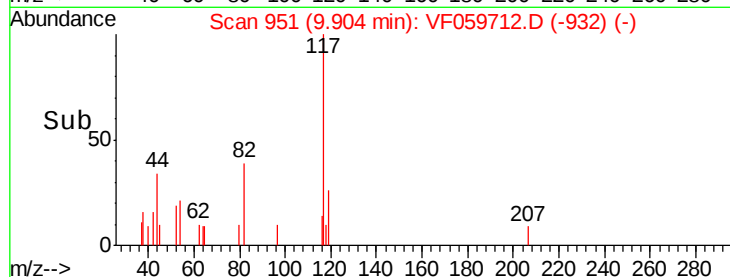
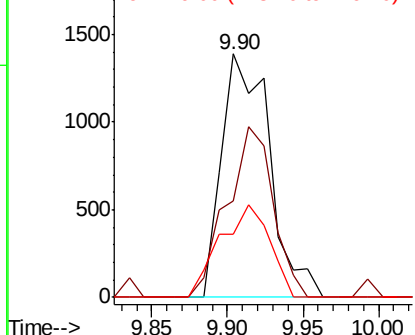
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.90 min Scan# 951
Delta R.T. -0.01 min
Lab File: VF059712.D
Acq: 31 Jul 2018 16:34

Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(130-132)

Tot Ion:117 Resp: 3060
Ion Ratio Lower Upper
117 100
82 39.4 49.0 73.4#
119 25.7 27.3 40.9#

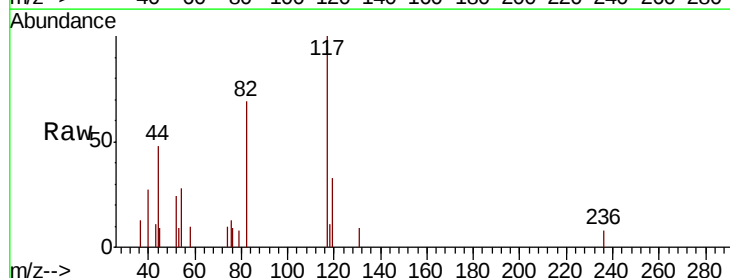


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VF0
Ion 119.00 (118.70 to 119.70): V

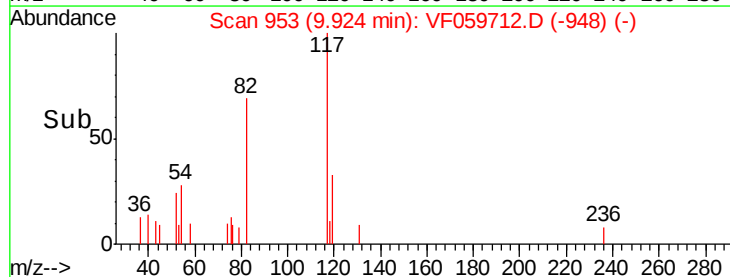
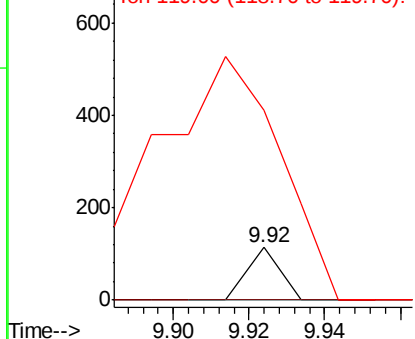


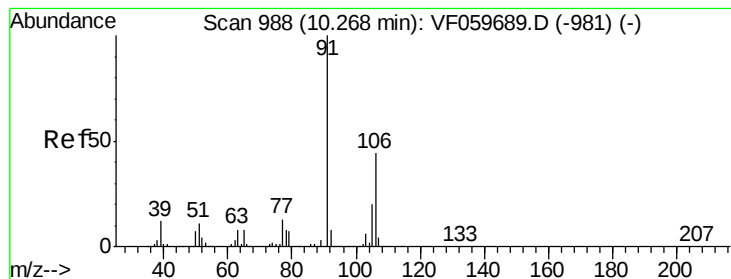
#66
1,1,1,2-Tetrachloroethane
Concen: 2.344 ug/l
RT: 9.92 min Scan# 953
Delta R.T. -0.15 min
Lab File: VF059712.D
Acq: 31 Jul 2018 16:34

Tgt Ion:131 Resp: 67
Ion Ratio Lower Upper
131 100
133 0.0 48.5 145.5#
119 360.5 30.3 90.8#



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#68

m/p-Xylenes

Concen: Below Cal

RT: 10.30 min Scan# 991

Delta R.T. 0.03 min

Lab File: VF059712.D

Acq: 31 Jul 2018 16:34

Instrument :

MSVOA_F

ClientSampleId :

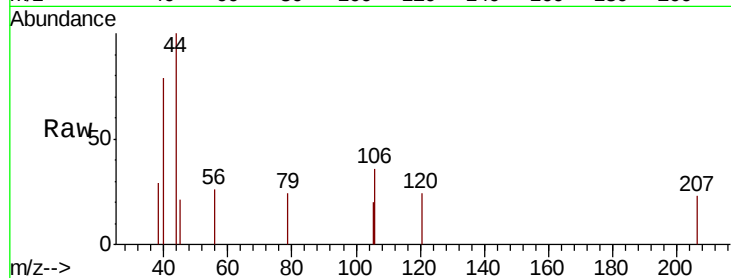
EPE-F-8(130-132)

Tot Ion:106 Resp: 112

Ion Ratio Lower Upper

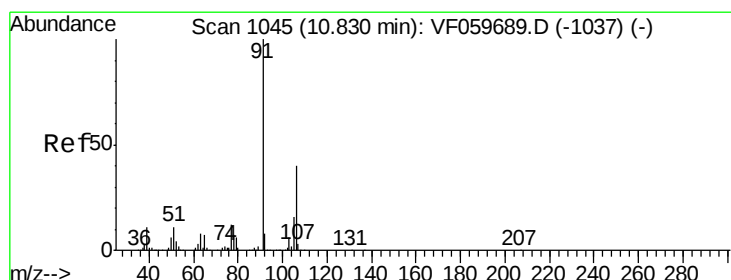
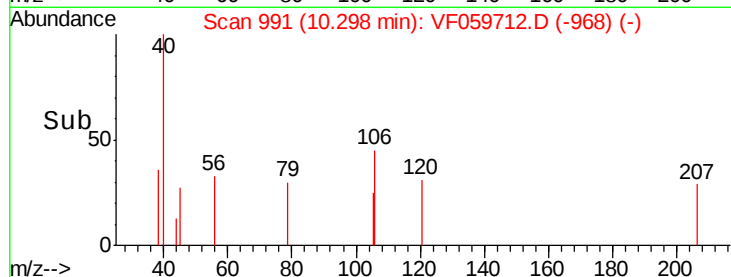
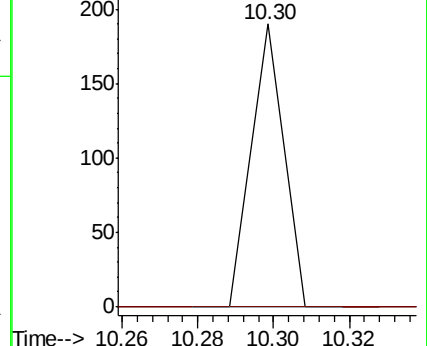
106 100

91 0.0 181.7 272.5#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



#69

o-Xylene

Concen: 1.845 ug/l

RT: 10.91 min Scan# 1053

Delta R.T. 0.08 min

Lab File: VF059712.D

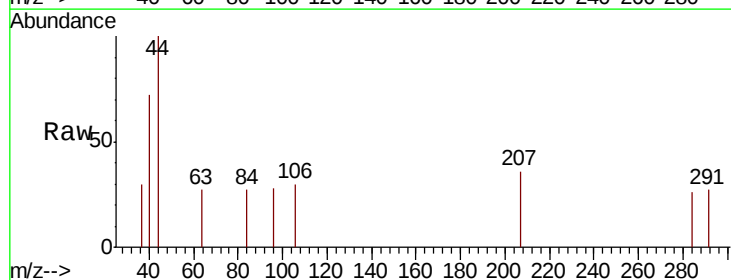
Acq: 31 Jul 2018 16:34

Tgt Ion:106 Resp: 72

Ion Ratio Lower Upper

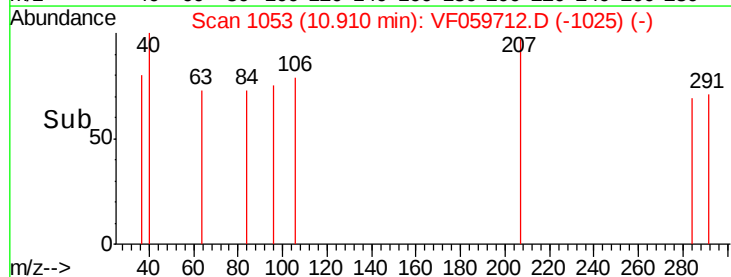
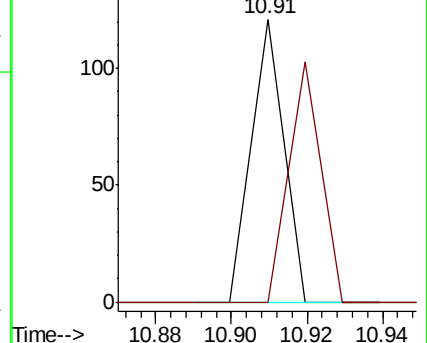
106 100

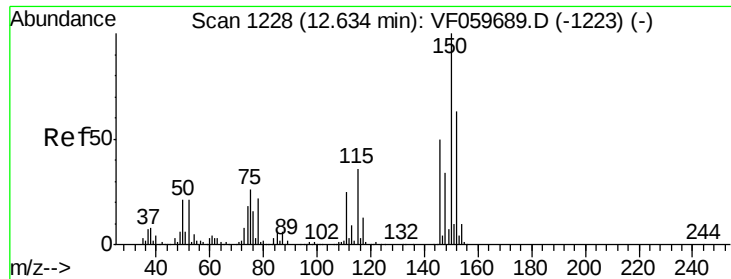
91 0.0 124.6 373.7#



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VF0



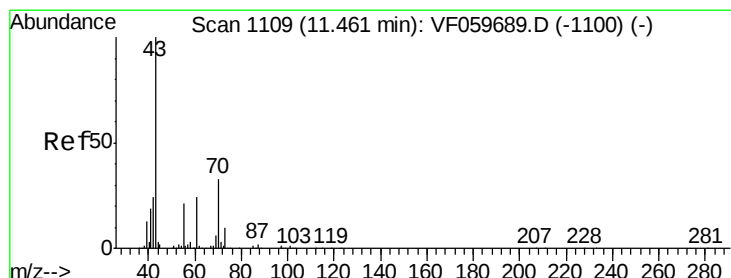
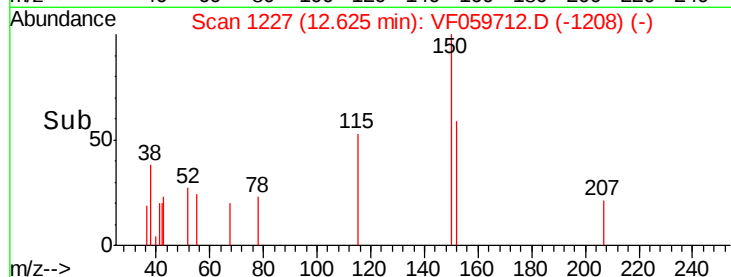
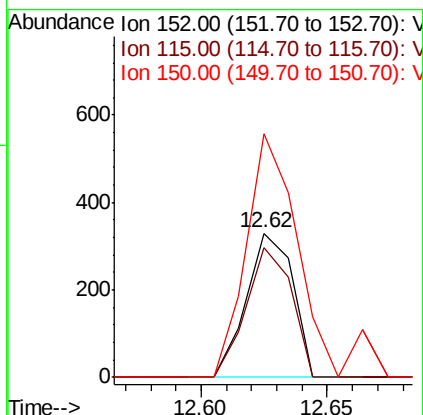
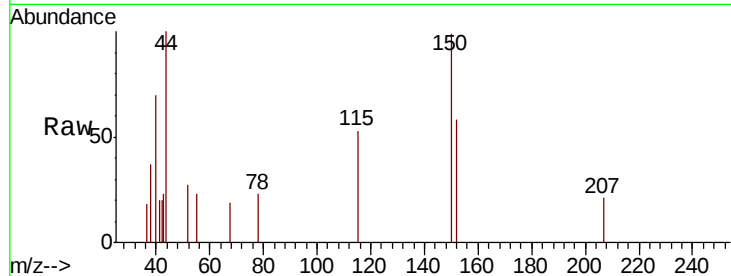


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.62 min Scan# 1227
Delta R.T. -0.01 min
Lab File: VF059712.D
Acq: 31 Jul 2018 16:34

Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(130-132)

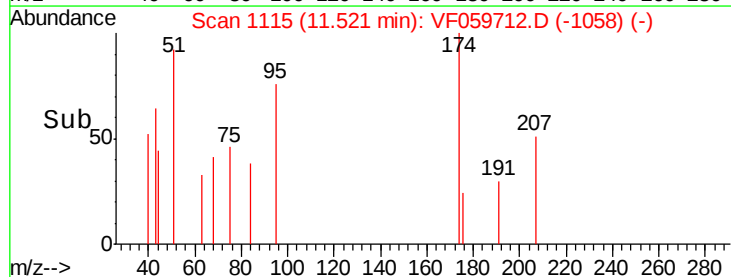
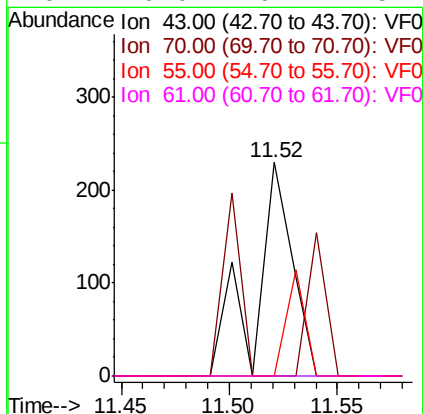
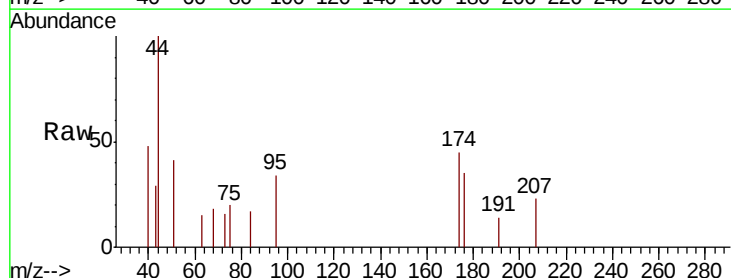
Tot Ion:152 Resp: 423
Ion Ratio Lower Upper
152 100
115 90.3 28.2 84.6#
150 169.3 0.0 316.2

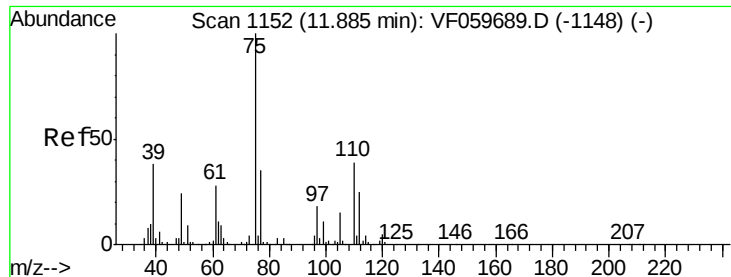


#74

N-ethyl acetate
Concen: 38.702 ug/l
RT: 11.52 min Scan# 1115
Delta R.T. 0.06 min
Lab File: VF059712.D
Acq: 31 Jul 2018 16:34

Tgt Ion: 43 Resp: 271
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#

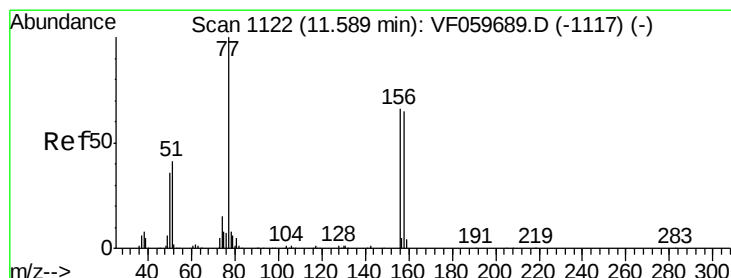
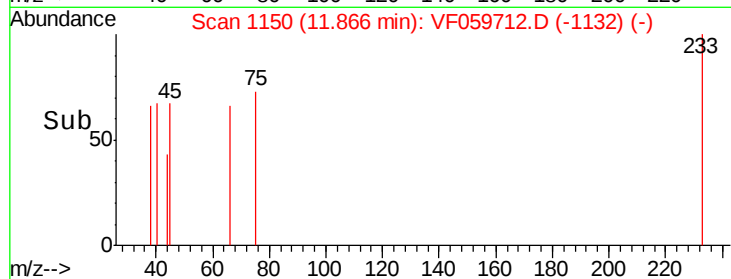
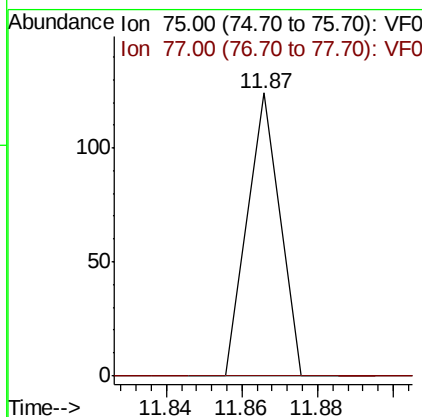
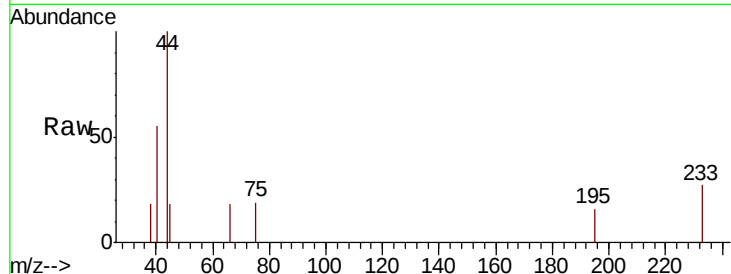




#76
 1,2,3-Trichloropropane
 Concen: 16.432 ug/l
 RT: 11.87 min Scan# 1150
 Delta R.T. -0.02 min
 Lab File: VF059712.D
 Acq: 31 Jul 2018 16:34

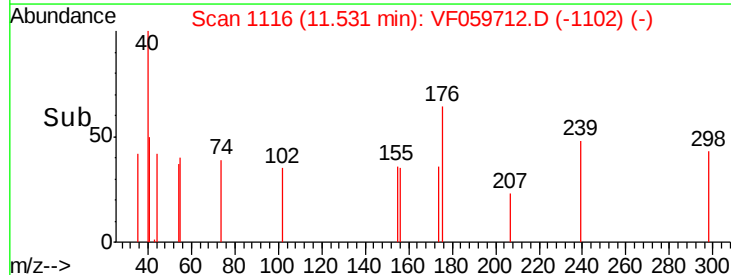
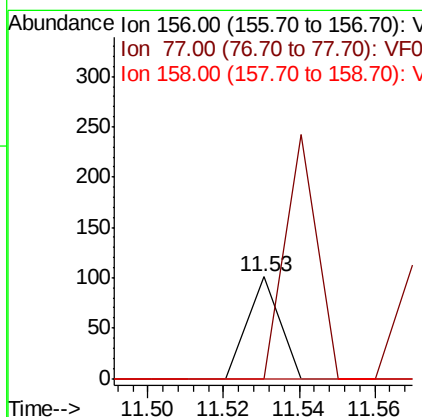
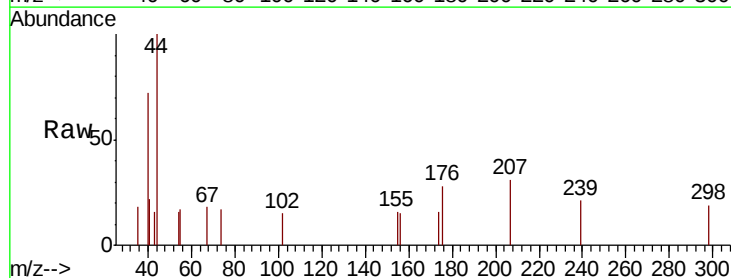
Instrument :
 MSVOA_F
 ClientSampleId :
 EPE-F-8(130-132)

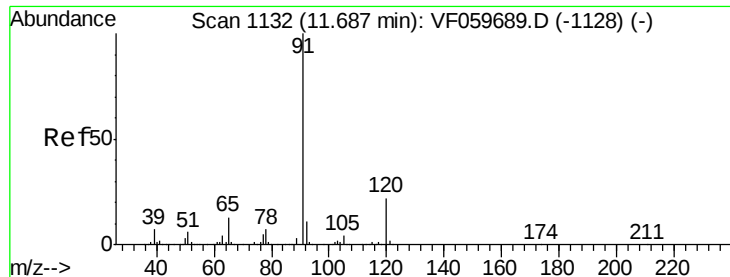
Tot Ion: 75 Resp: 73
 Ion Ratio Lower Upper
 75 100
 77 0.0 18.0 54.0#



#77
 Bromobenzene
 Concen: 8.279 ug/l
 RT: 11.53 min Scan# 1116
 Delta R.T. -0.06 min
 Lab File: VF059712.D
 Acq: 31 Jul 2018 16:34

Tgt Ion: 156 Resp: 60
 Ion Ratio Lower Upper
 156 100
 77 0.0 75.2 225.6#
 158 0.0 49.1 147.3#





#78

n-propylbenzene

Concen: Below Cal

RT: 11.77 min Scan# 1140

Delta R.T. 0.08 min

Lab File: VF059712.D

Acq: 31 Jul 2018 16:34

Instrument :

MSVOA_F

ClientSampleId :

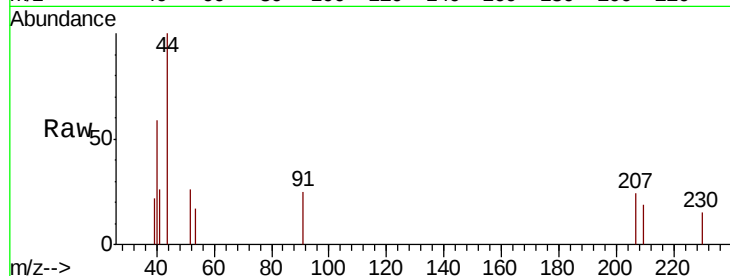
EPE-F-8(130-132)

Tot Ion: 91 Resp: 106

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

11.77

200

150

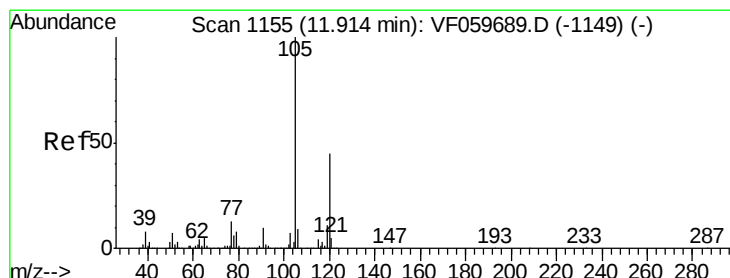
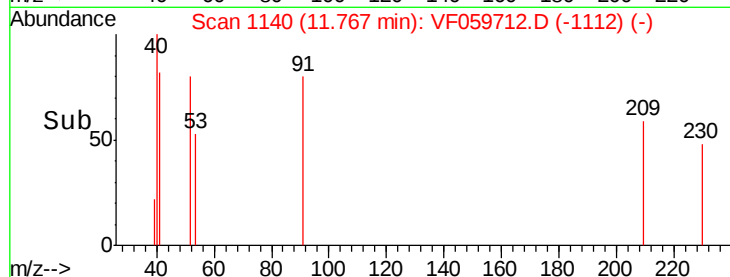
100

50

0

11.74 11.76 11.78

Time-->



#80

1,3,5-Trimethylbenzene

Concen: Below Cal

RT: 11.99 min Scan# 1163

Delta R.T. 0.08 min

Lab File: VF059712.D

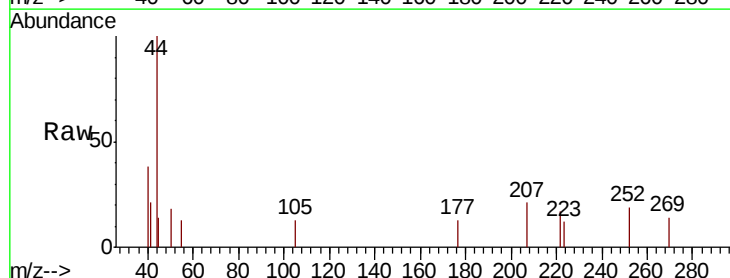
Acq: 31 Jul 2018 16:34

Tgt Ion: 105 Resp: 65

Ion Ratio Lower Upper

105 100

120 0.0 22.7 68.0#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.99

120

100

80

60

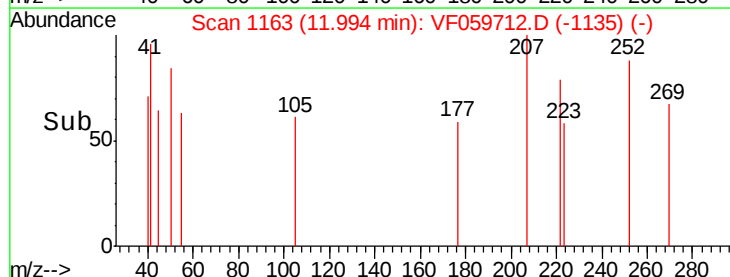
40

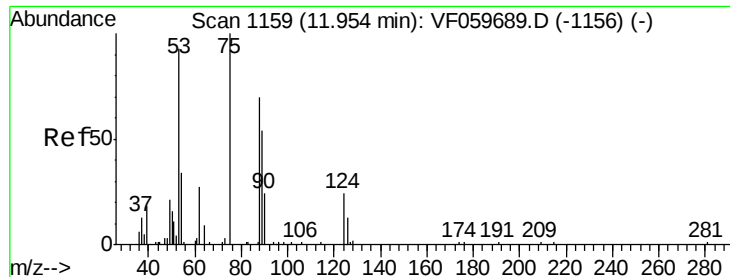
20

0

11.96 11.98 12.00 12.02

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 39.677 ug/l

RT: 11.87 min Scan# 1150

Delta R.T. -0.09 min

Lab File: VF059712.D

Acq: 31 Jul 2018 16:34

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(130-132)

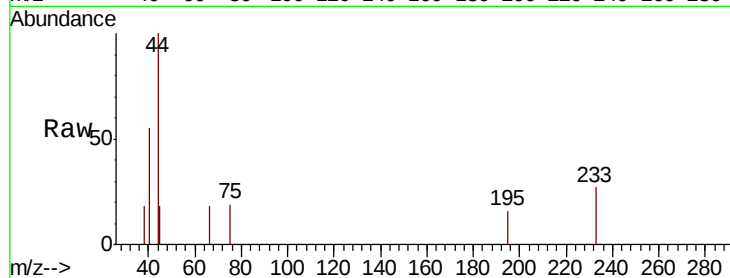
Tot Ion: 75 Resp: 73

Ion Ratio Lower Upper

75 100

53 0.0 78.3 117.5#

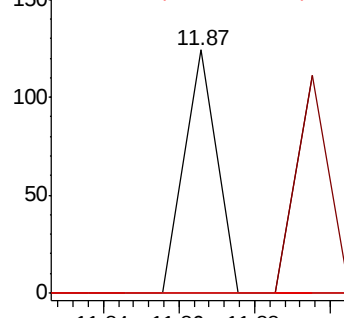
89 0.0 45.4 68.2#



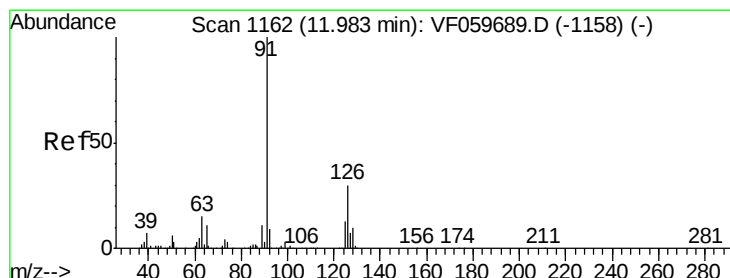
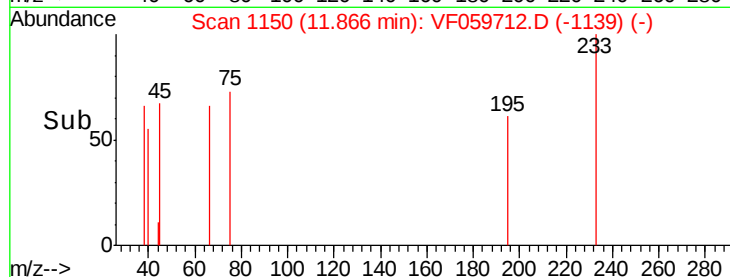
Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 53.00 (52.70 to 53.70): VF0

Ion 89.00 (88.70 to 89.70): VF0



Time-->



#82

4-Chlorotoluene

Concen: 1.662 ug/l

RT: 11.90 min Scan# 1153

Delta R.T. -0.09 min

Lab File: VF059712.D

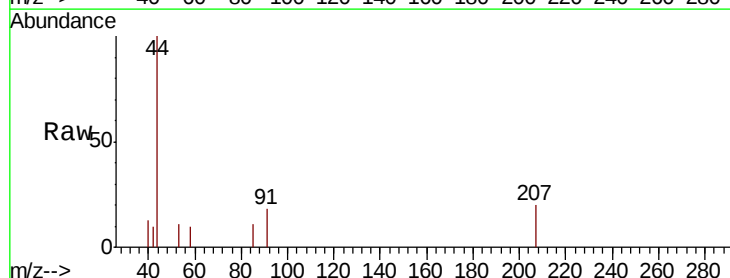
Acq: 31 Jul 2018 16:34

Tgt Ion: 91 Resp: 106

Ion Ratio Lower Upper

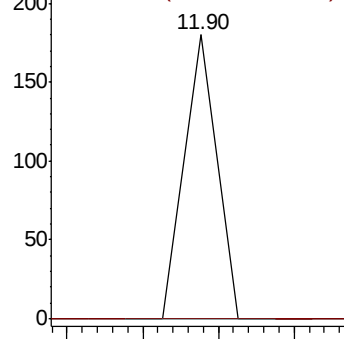
91 100

126 0.0 15.2 45.6#

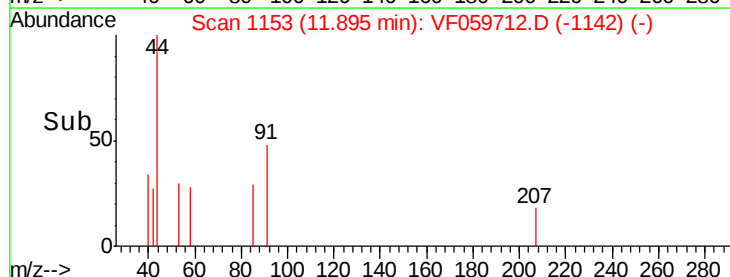


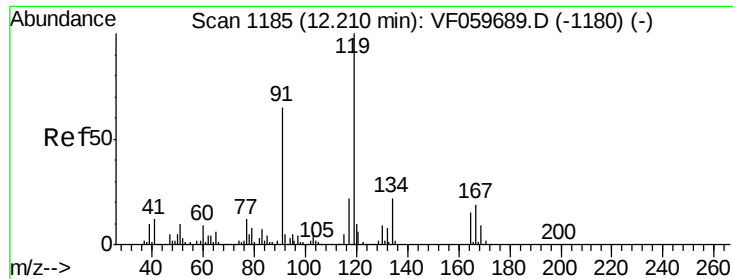
Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 126.00 (125.70 to 126.70): V



Time-->





#83

tert-Butylbenzene

Concen: 2.649 ug/l

RT: 12.33 min Scan# 1197

Delta R.T. 0.12 min

Lab File: VF059712.D

Acq: 31 Jul 2018 16:34

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(130-132)

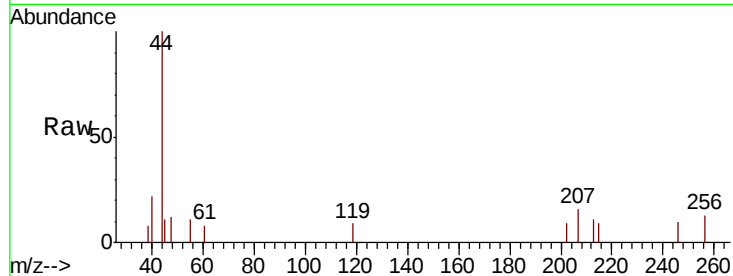
Tot Ion:119 Resp: 66

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

150

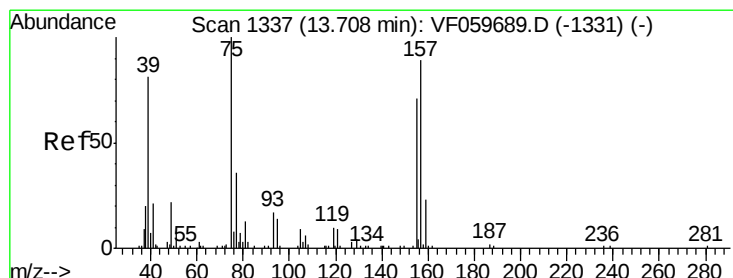
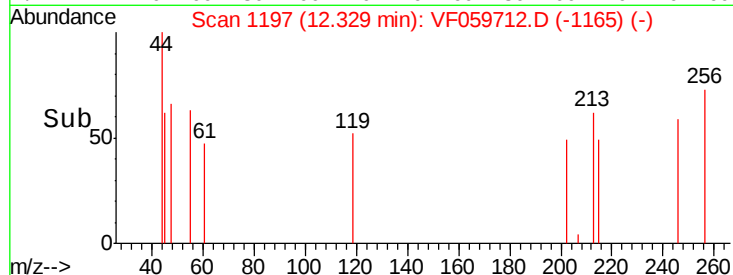
100

50

0

12.30 12.32 12.34 12.36

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 133.103 ug/l

RT: 13.70 min Scan# 1336

Delta R.T. -0.01 min

Lab File: VF059712.D

Acq: 31 Jul 2018 16:34

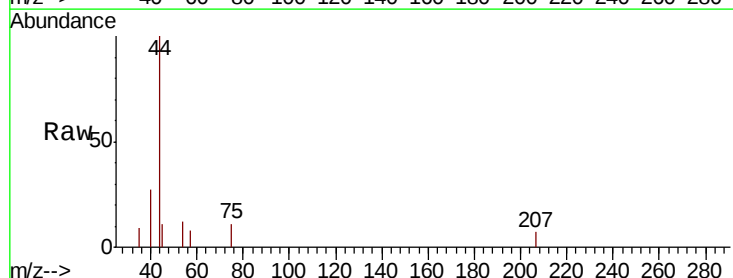
Tgt Ion: 75 Resp: 170

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

200

150

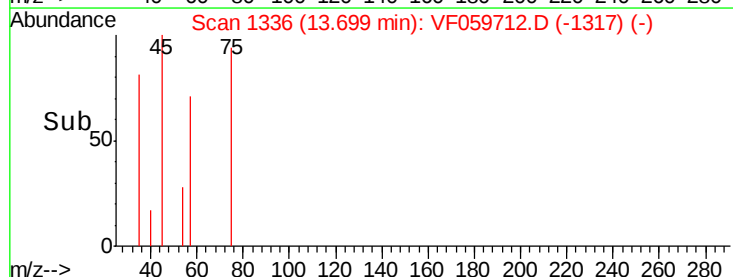
100

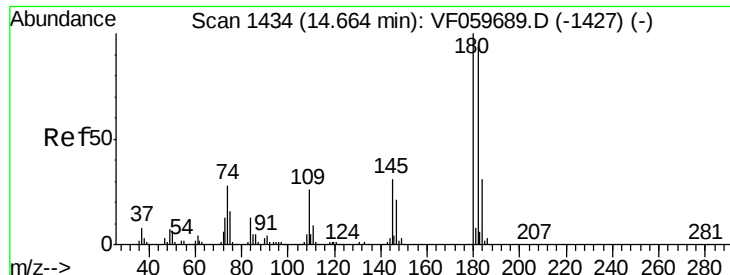
50

0

13.65 13.70 13.75

Time-->





#96

1,2,3-Trichlorobenzene

Concen: 6.845 ug/l

RT: 14.74 min Scan# 1442

Delta R.T. 0.08 min

Lab File: VF059712.D

Acq: 31 Jul 2018 16:34

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(130-132)

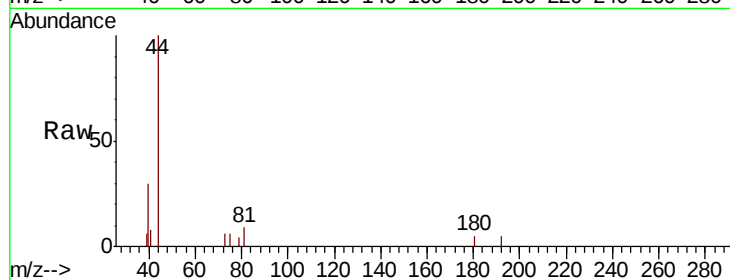
Tot Ion:180 Resp: 69

Ion Ratio Lower Upper

180 100

182 0.0 47.2 141.6#

145 0.0 15.6 46.7#



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

