

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF073118\
 Data File : VF059706.D
 Acq On : 31 Jul 2018 13:47
 Operator : VA/AP
 Sample : J4140-02
 Misc : 19.06g/5mL/MSVOA F/SOIL
 ALS Vial : 87 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EPE-F-8(85-87)

Quant Time: Jul 31 14:17:16 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	3501	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	5.77	114	3094	50.00	ug/l	0.01
63) Chlorobenzene-d5	9.91	117	1207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	231	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.00	65	1024	16.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	32.54%	
35) Dibromofluoromethane	4.28	113	1455	45.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.56%	
50) Toluene-d8	7.71	98	3246	43.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.64%	
62) 4-Bromofluorobenzene	11.50	95	379	9.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.28%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	0.88	85	62	Below Cal	#	44
3) Chloromethane	1.09	50	158	3.161	ug/l #	36
4) Vinyl Chloride	1.15	62	128	2.413	ug/l #	47
5) Bromomethane	1.34	94	153	4.795	ug/l #	4
6) Chloroethane	1.50	64	150	7.693	ug/l #	35
10) Methyl Iodide	1.94	142	61	Below Cal	#	20
11) Tert butyl alcohol	2.59	59	63	23.511	ug/l #	74
12) 1,1-Dichloroethene	1.96	96	93	3.430	ug/l #	1
13) Acrolein	2.07	56	74	68.174	ug/l #	4
14) Allyl chloride	2.25	41	151	3.488	ug/l #	1
16) Acetone	2.34	43	162	14.314	ug/l #	68
17) Carbon Disulfide	1.85	76	61	Below Cal	#	71
18) Methyl Acetate	2.41	43	62	Below Cal	#	64
20) Methylene Chloride	2.30	84	63	Below Cal	#	1
22) Diisopropyl ether	2.89	45	158	1.726	ug/l #	33
23) Vinyl Acetate	3.36	43	122	2.592	ug/l #	83
24) 1,1-Dichloroethane	2.93	63	107	1.682	ug/l #	91
25) 2-Butanone	4.55	43	60	4.750	ug/l #	74
26) 2,2-Dichloropropane	3.84	77	80	1.765	ug/l #	66
27) cis-1,2-Dichloroethene	3.52	96	60	1.762	ug/l	1
29) Tetrahydrofuran	4.32	42	62	12.772	ug/l #	1
31) Cyclohexane	3.90	56	157	1.058	ug/l #	15
36) 1,1-Dichloropropene	4.52	75	115	Below Cal	#	46
37) Ethyl Acetate	4.25	43	62	Below Cal	#	19
39) Methylcyclohexane	5.75	83	188	3.868	ug/l #	13
40) Benzene	4.74	78	70	1.120	ug/l #	52
41) Methacrylonitrile	4.90	41	71	6.683	ug/l #	24
43) Isopropyl Acetate	7.14	43	100	5.405	ug/l #	46
47) Bromodichloromethane	6.62	83	101	2.367	ug/l #	25
48) Methyl methacrylate	6.85	41	88	6.324	ug/l #	13
49) 1,4-Dioxane	6.77	88	66	739.794	ug/l #	21
51) 4-Methyl-2-Pentanone	8.40	43	131	9.308	ug/l #	42
55) 1,1,2-Trichloroethane	8.72	97	63	3.723	ug/l #	14
56) Ethyl methacrylate	8.79	69	92	5.213	ug/l #	14

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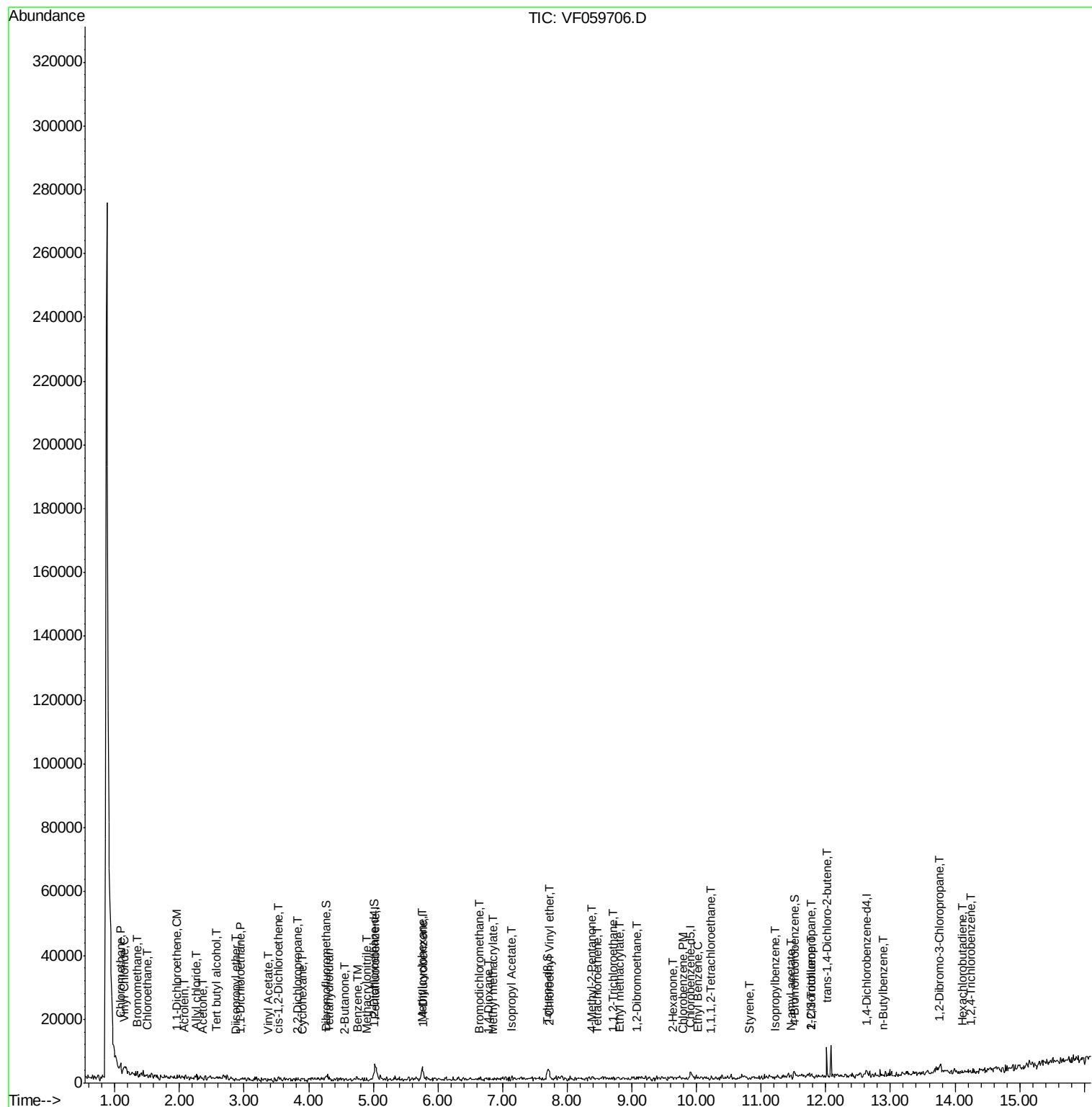
58) 2-Chloroethyl Vinyl ether	7.73	63	86	42.207	ug/l	100
59) 2-Hexanone	9.63	43	361	32.010	ug/l #	30
61) 1,2-Dibromoethane	9.09	107	61	3.087	ug/l #	4
64) Tetrachloroethene	8.45	164	66	4.038	ug/l #	1
65) Chlorobenzene	9.78	112	73	3.023	ug/l #	43
66) 1,1,1,2-Tetrachloroethane	10.21	131	61	5.411	ug/l #	9
67) Ethyl Benzene	10.02	91	64	1.532	ug/l #	46
68) m/p-Xylenes	10.39	106	67	Below Cal	#	1
70) Styrene	10.82	104	63	2.702	ug/l #	26
73) Isopropylbenzene	11.21	105	87	5.740	ug/l #	50
74) N-amyl acetate	11.45	43	234	61.193	ug/l #	48
76) 1,2,3-Trichloropropane	11.79	75	63	25.967	ug/l #	39
78) n-propylbenzene	11.62	91	76	Below Cal	#	54
79) 2-Chlorotoluene	11.78	91	65	2.474	ug/l #	44
81) trans-1,4-Dichloro-2-buten	12.01	75	126	125.404	ug/l #	9
89) n-Butylbenzene	12.89	91	88	1.271	ug/l #	29
92) 1,2-Dibromo-3-Chloropropan	13.76	75	60	86.024	ug/l #	9
93) 1,2,4-Trichlorobenzene	14.25	180	61	8.114	ug/l #	12
94) Hexachlorobutadiene	14.10	225	69	18.211	ug/l #	19

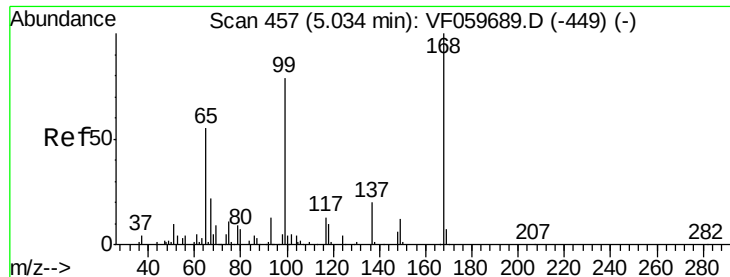
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. 0.00 min

Lab File: VF059706.D

Acq: 31 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

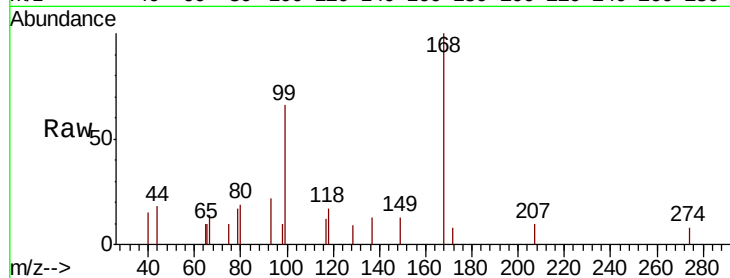
EPE-F-8(85-87)

Tot Ion:168 Resp: 3501

Ion Ratio Lower Upper

168 100

99 65.7 63.3 94.9



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.03

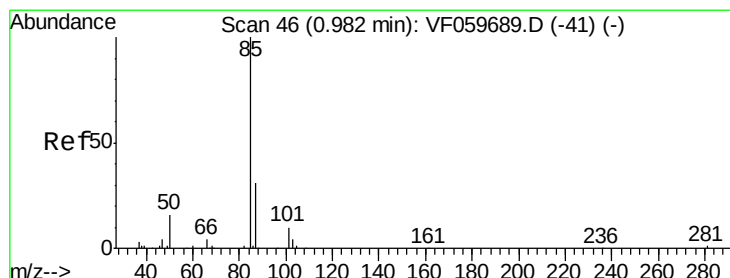
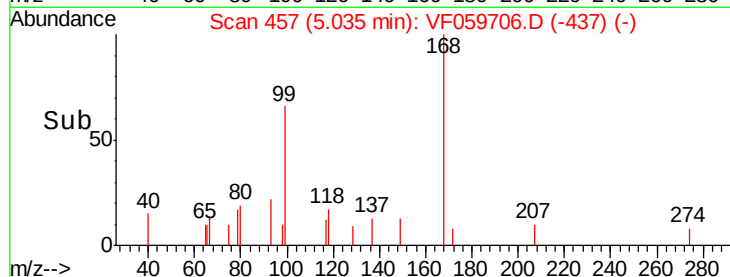
1000

500

0

4.95 5.00 5.05 5.10

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 0.88 min Scan# 36

Delta R.T. -0.10 min

Lab File: VF059706.D

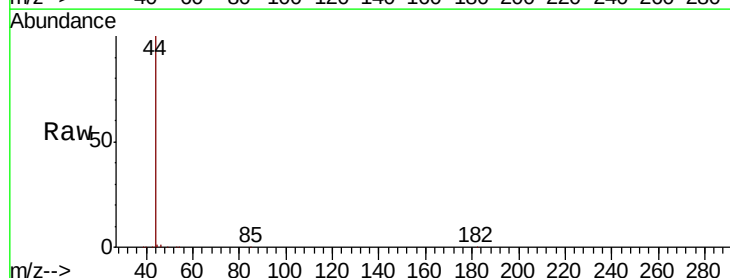
Acq: 31 Jul 2018 13:47

Tgt Ion: 85 Resp: 62

Ion Ratio Lower Upper

85 100

87 0.0 15.3 45.8#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

120

100

80

60

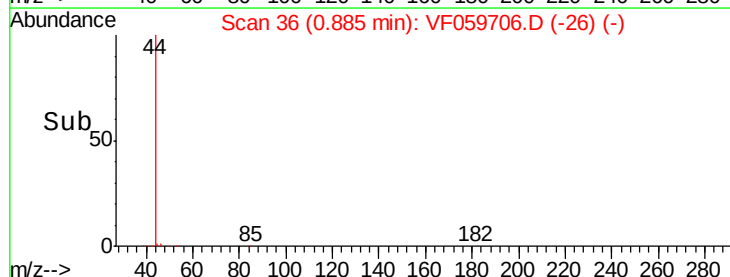
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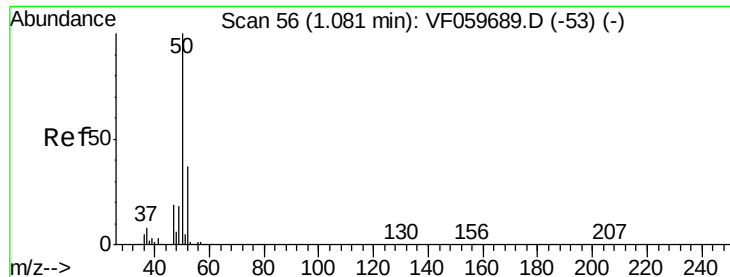
20

0

0.86 0.88 0.90

Time-->





#3

Chloromethane

Concen: 3.161 ug/l

RT: 1.09 min Scan# 57

Delta R.T. 0.01 min

Lab File: VF059706.D

Acq: 31 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

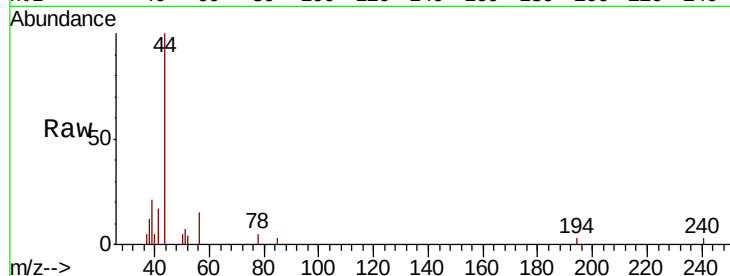
EPE-F-8(85-87)

Tot Ion: 50 Resp: 158

Ion Ratio Lower Upper

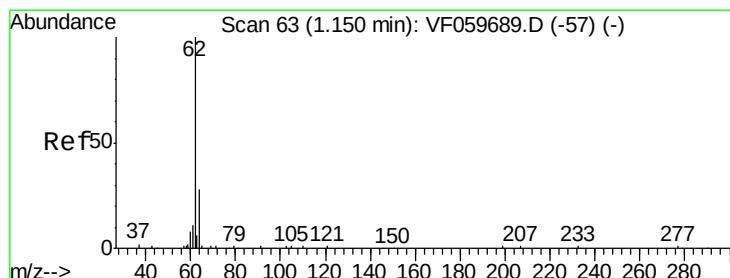
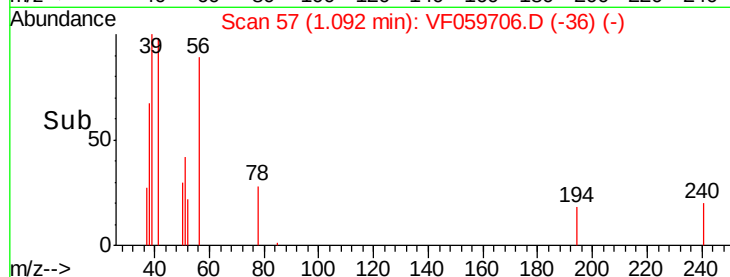
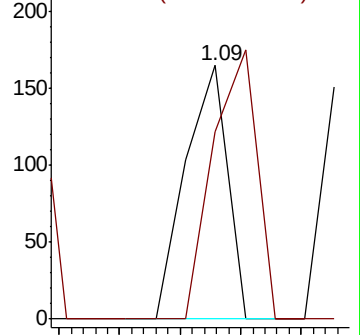
50 100

52 73.9 29.1 43.7#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 2.413 ug/l

RT: 1.15 min Scan# 63

Delta R.T. 0.00 min

Lab File: VF059706.D

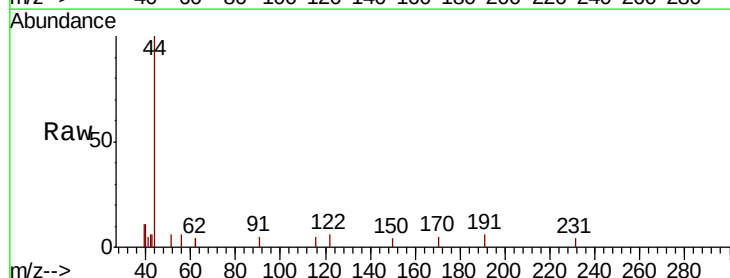
Acq: 31 Jul 2018 13:47

Tgt Ion: 62 Resp: 128

Ion Ratio Lower Upper

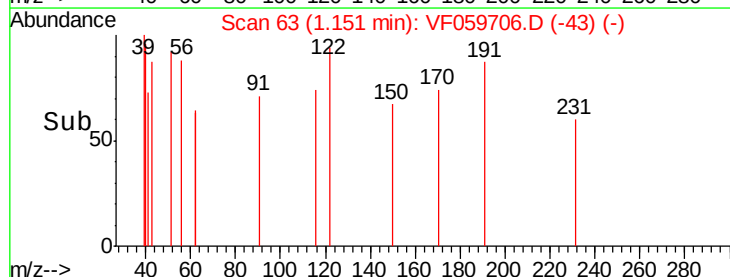
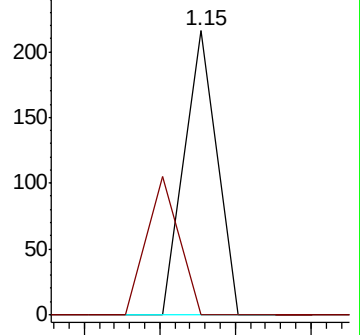
62 100

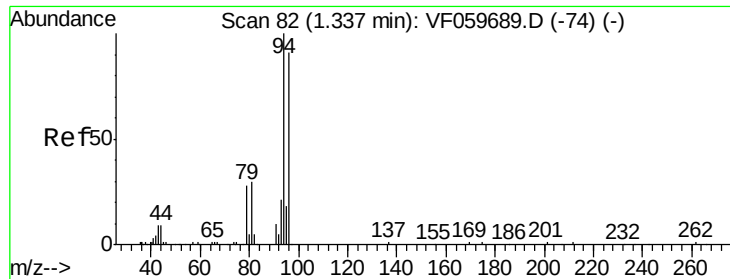
64 0.0 22.6 33.8#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 4.795 ug/l

RT: 1.34 min Scan# 82

Delta R.T. 0.00 min

Lab File: VF059706.D

Acq: 31 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

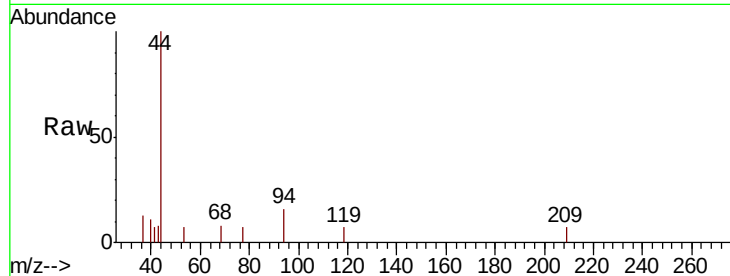
EPE-F-8(85-87)

Tot Ion: 94 Resp: 153

Ion Ratio Lower Upper

94 100

96 0.0 73.6 110.4#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

1.34

250

200

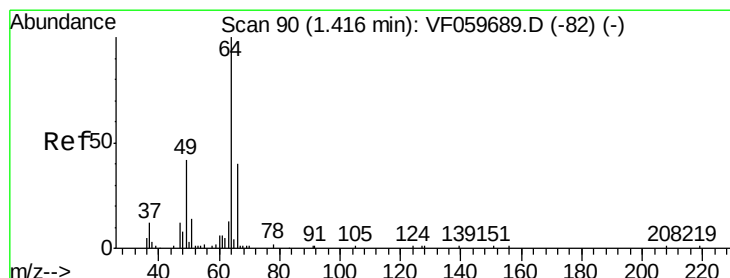
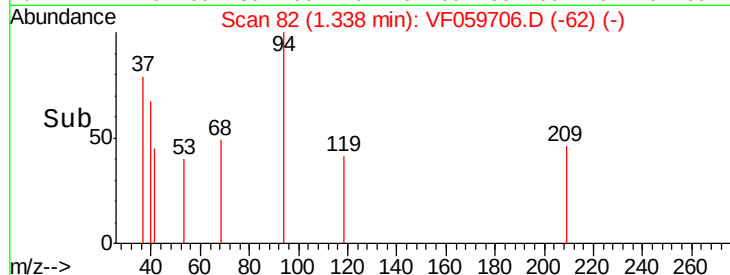
150

100

50

0

Time-->



#6

Chloroethane

Concen: 7.693 ug/l

RT: 1.50 min Scan# 98

Delta R.T. 0.08 min

Lab File: VF059706.D

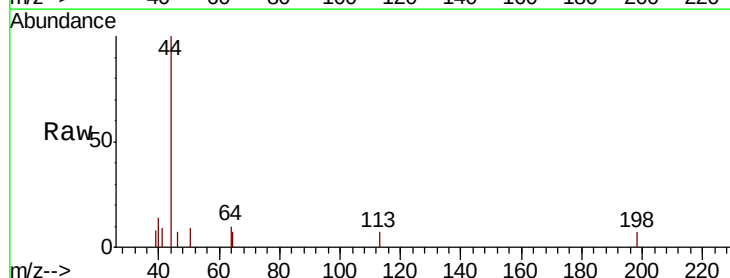
Acq: 31 Jul 2018 13:47

Tgt Ion: 64 Resp: 150

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

1.50

250

200

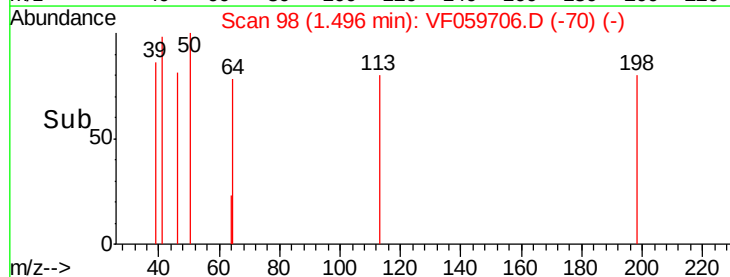
150

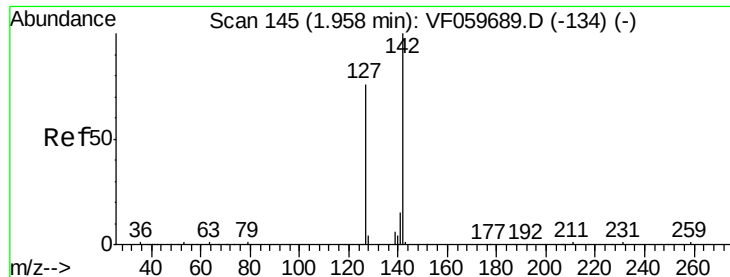
100

50

0

Time-->





#10

Methyl Iodide

Concen: Below Cal

RT: 1.94 min Scan# 143

Delta R.T. -0.02 min

Lab File: VF059706.D

Acq: 31 Jul 2018 13:47

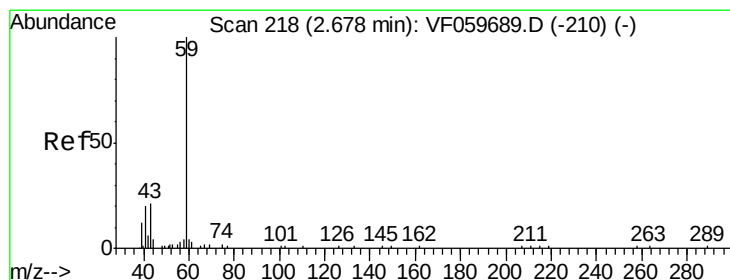
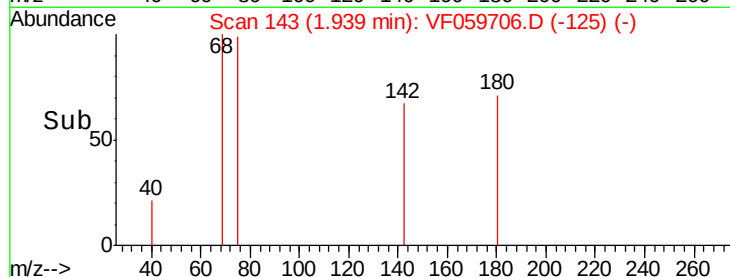
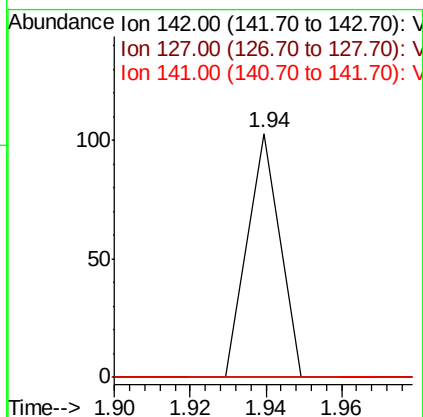
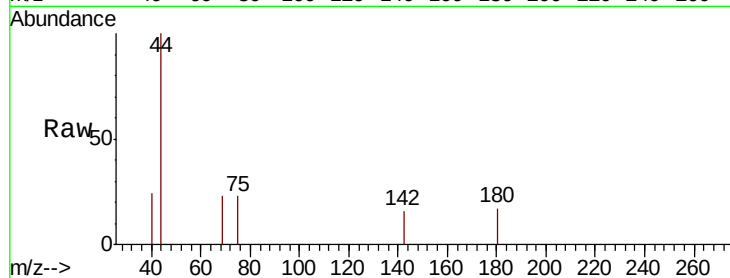
Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(85-87)

Tot Ion:	142	Resp:	61
Ion	Ratio	Lower	Upper
142	100		
127	0.0	60.6	91.0#
141	0.0	12.0	18.0#



#11

Tert butyl alcohol

Concen: 23.511 ug/l

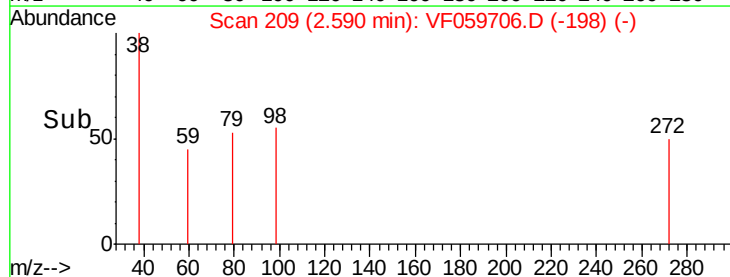
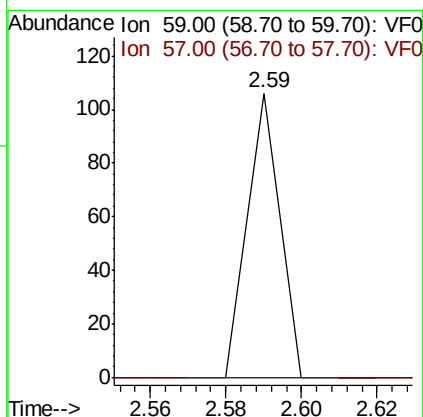
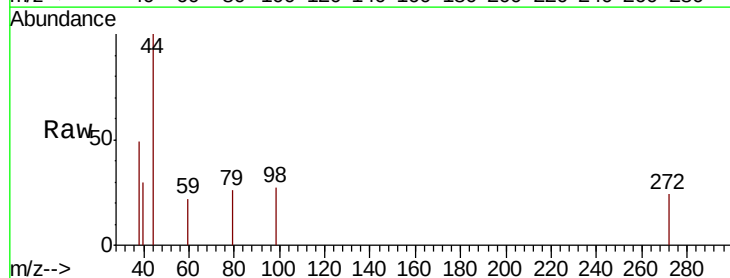
RT: 2.59 min Scan# 209

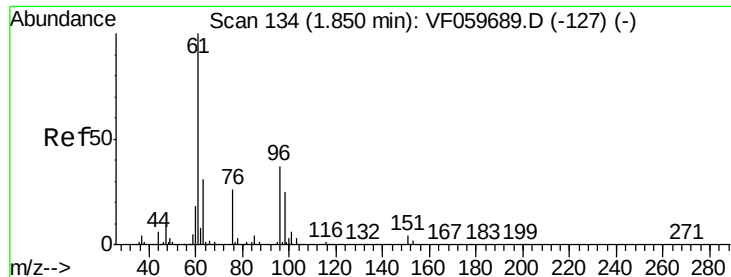
Delta R.T. -0.09 min

Lab File: VF059706.D

Acq: 31 Jul 2018 13:47

Tgt Ion:	59	Resp:	63
Ion	Ratio	Lower	Upper
59	100		
57	0.0	7.6	11.4#

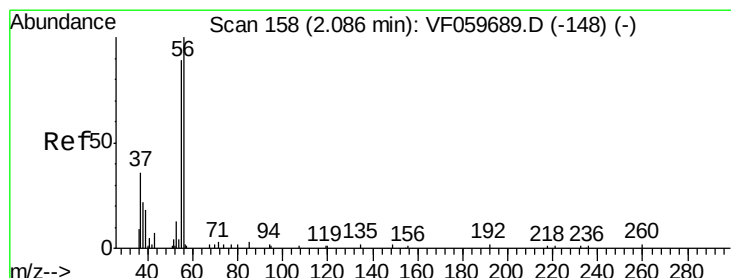
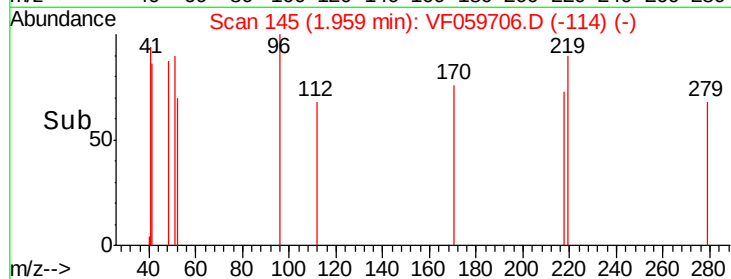
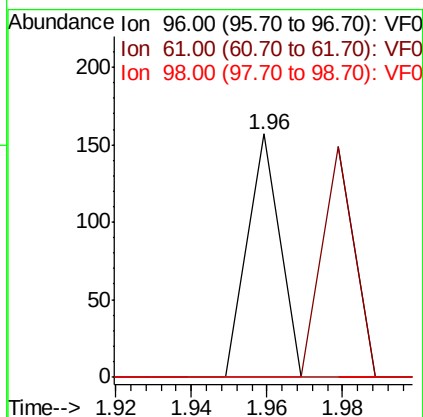
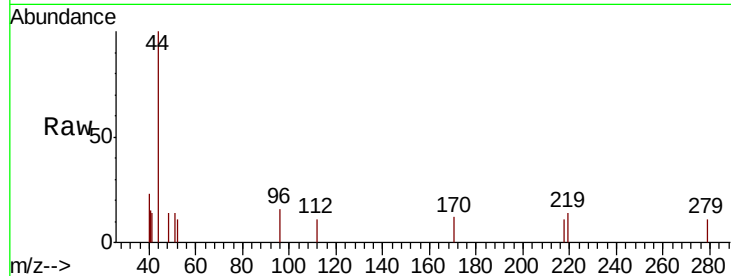




#12
 1,1-Dichloroethene
 Concen: 3.430 ug/l
 RT: 1.96 min Scan# 145
 Delta R.T. 0.11 min
 Lab File: VF059706.D
 Acq: 31 Jul 2018 13:47

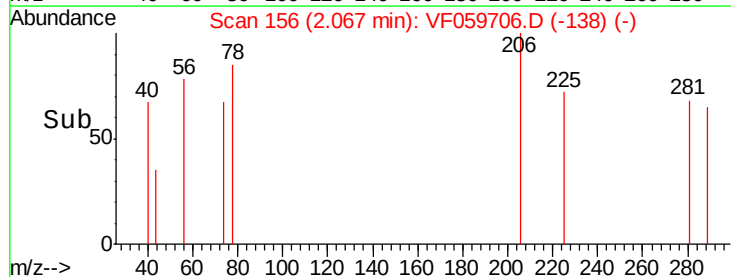
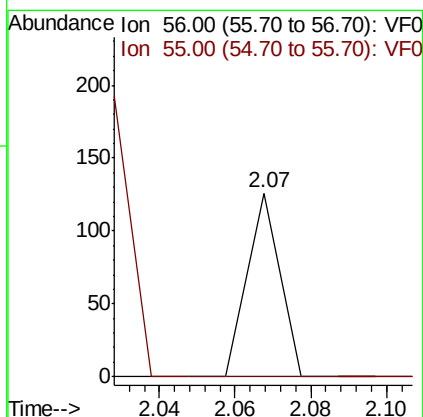
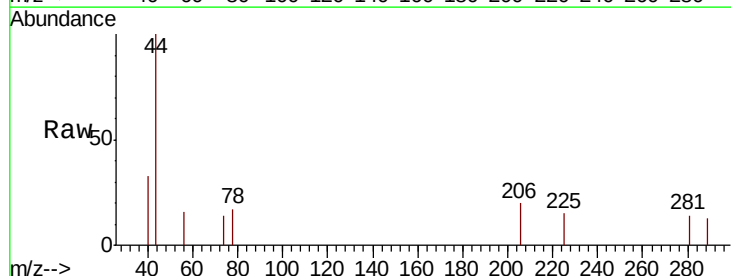
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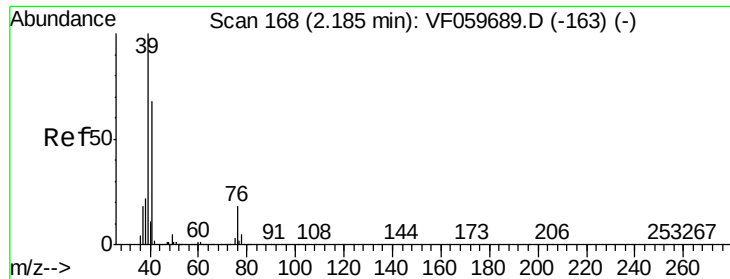
Tot Ion: 96 Resp: 93
 Ion Ratio Lower Upper
 96 100
 61 0.0 215.1 322.7#
 98 0.0 54.3 81.5#



#13
 Acrolein
 Concen: 68.174 ug/l
 RT: 2.07 min Scan# 156
 Delta R.T. -0.02 min
 Lab File: VF059706.D
 Acq: 31 Jul 2018 13:47

Tgt Ion: 56 Resp: 74
 Ion Ratio Lower Upper
 56 100
 55 0.0 73.2 109.8#

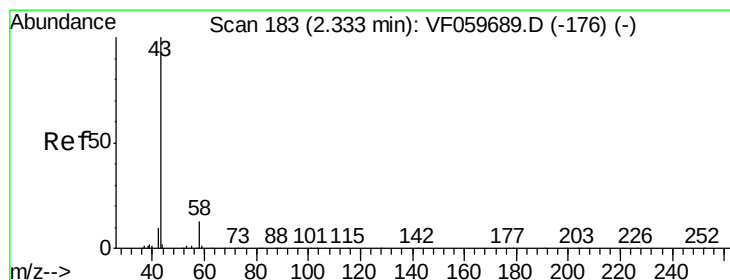
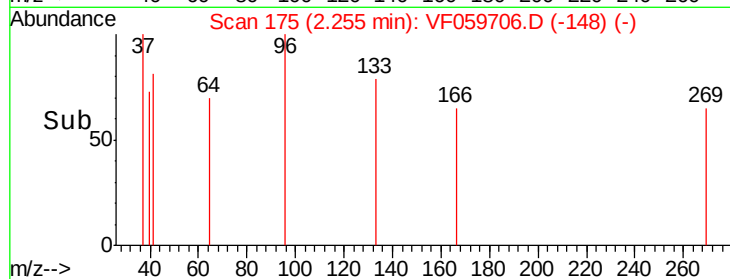
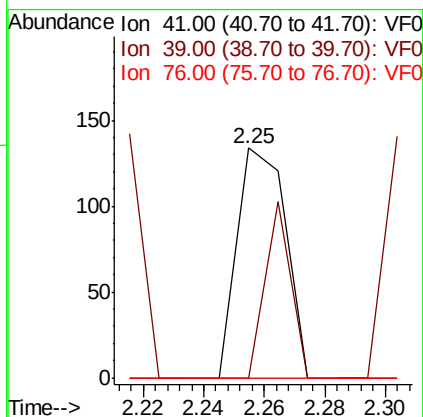
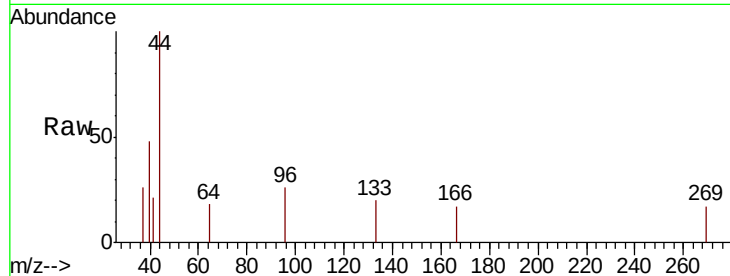




#14
Allvl chloride
Concen: 3.488 ug/l
RT: 2.25 min Scan# 175
Delta R.T. 0.07 min
Lab File: VF059706.D
Acq: 31 Jul 2018 13:47

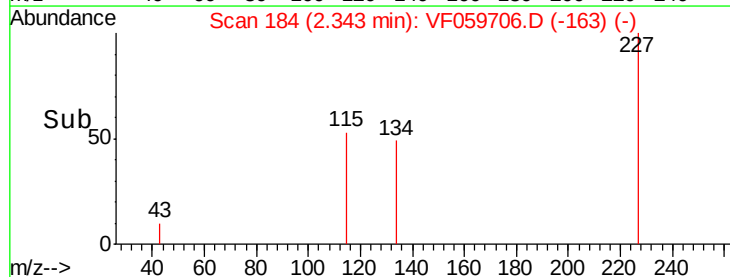
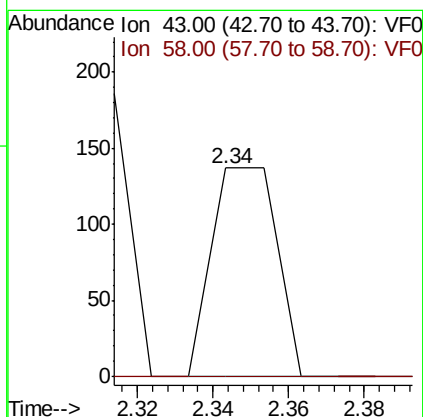
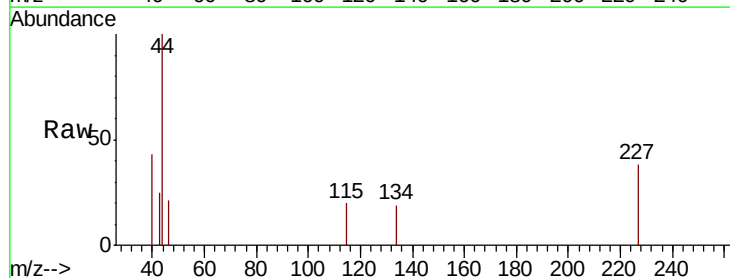
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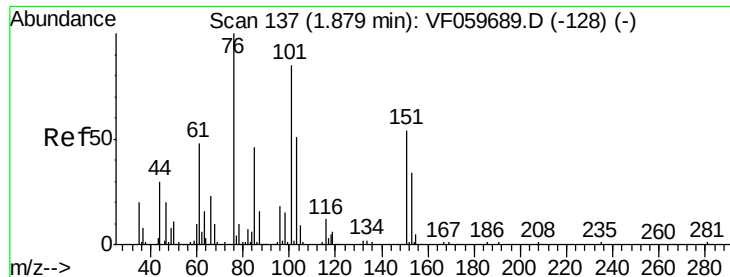
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	118.1	177.1#
76	0.0	22.0	33.0#



#16
Acetone
Concen: 14.314 ug/l
RT: 2.34 min Scan# 184
Delta R.T. 0.01 min
Lab File: VF059706.D
Acq: 31 Jul 2018 13:47

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	10.1	15.1#





#17

Carbon Disulfide

Concen: Below Cal

RT: 1.85 min Scan# 134

Delta R.T. -0.03 min

Lab File: VF059706.D

Acq: 31 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

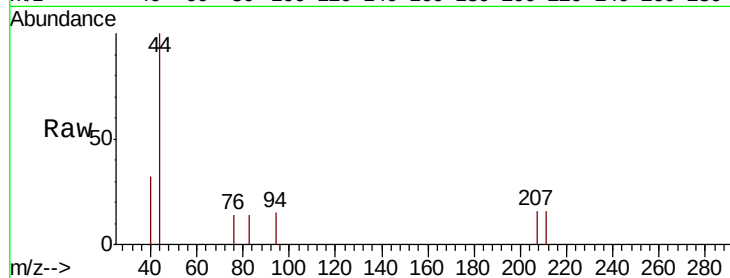
EPE-F-8(85-87)

Tot Ion: 76 Resp: 61

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

1.85

100

80

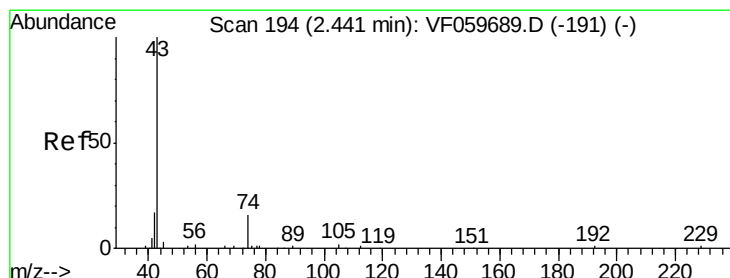
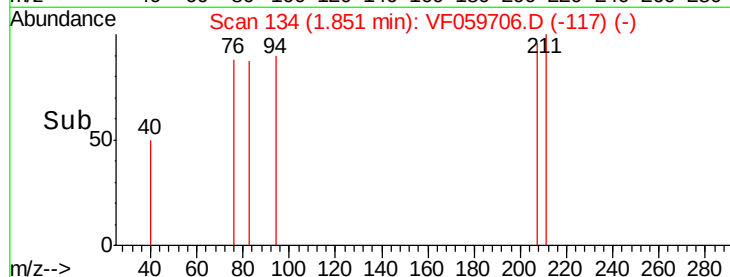
60

40

20

0

Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 2.41 min Scan# 191

Delta R.T. -0.03 min

Lab File: VF059706.D

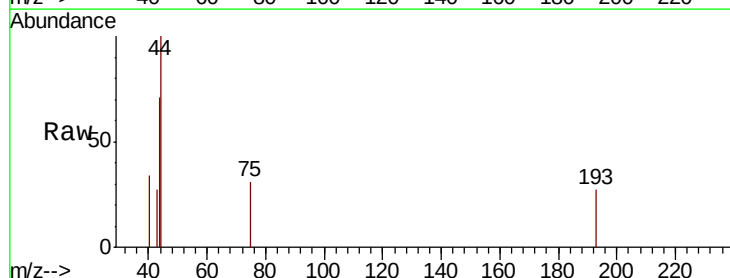
Acq: 31 Jul 2018 13:47

Tgt Ion: 43 Resp: 62

Ion Ratio Lower Upper

43 100

74 0.0 11.8 17.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 74.00 (73.70 to 74.70): VF0

2.41

100

80

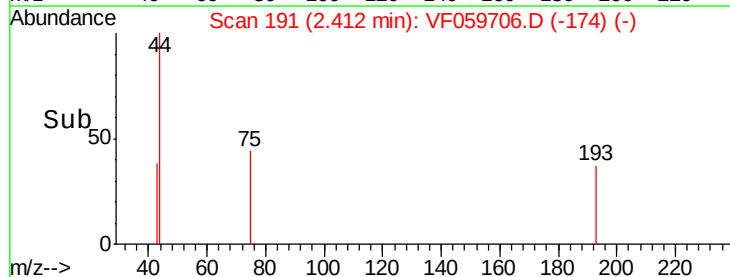
60

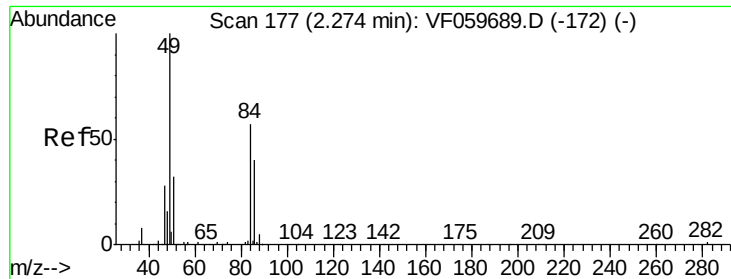
40

20

0

Time-->

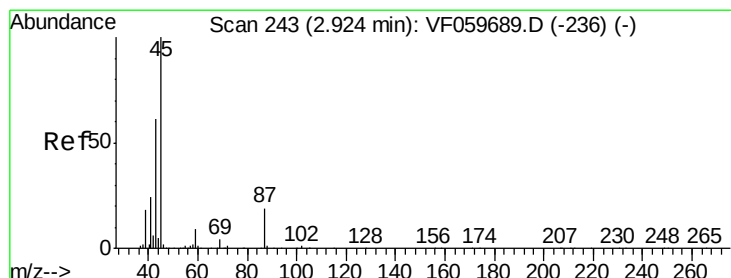
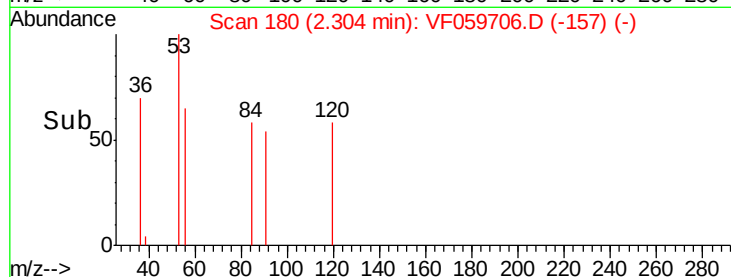
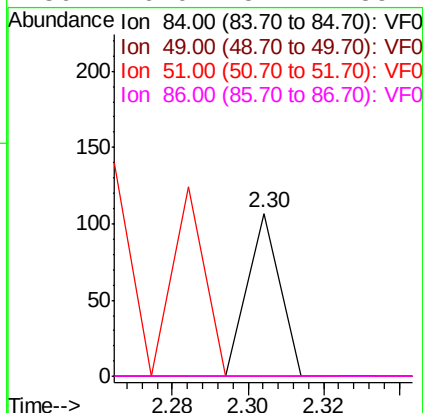
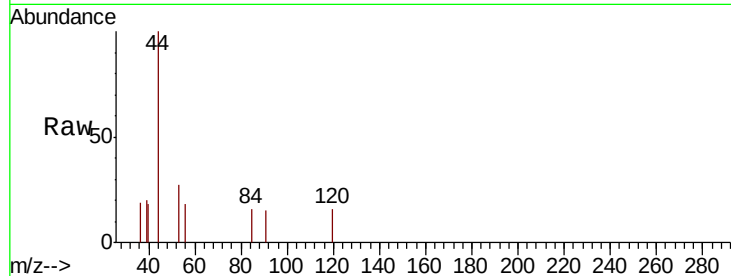




#20
Methylene Chloride
Concen: Below Cal
RT: 2.30 min Scan# 180
Delta R.T. 0.03 min
Lab File: VF059706.D
Acq: 31 Jul 2018 13:47

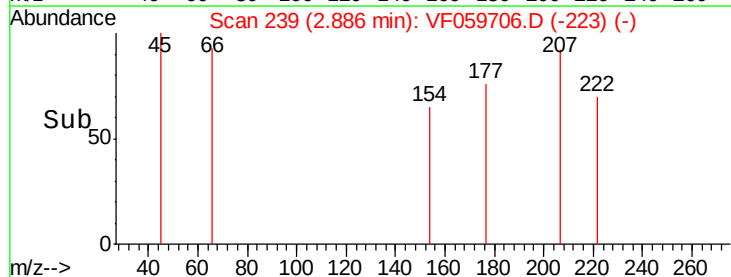
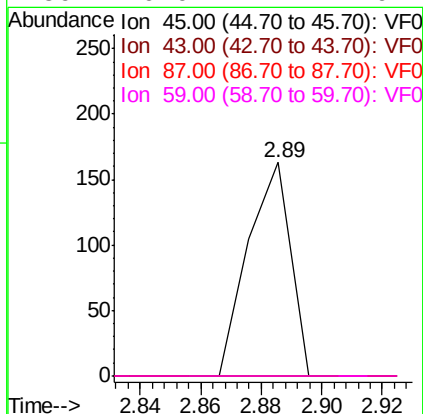
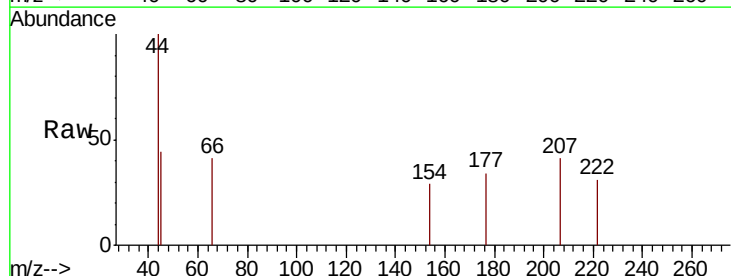
Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(85-87)

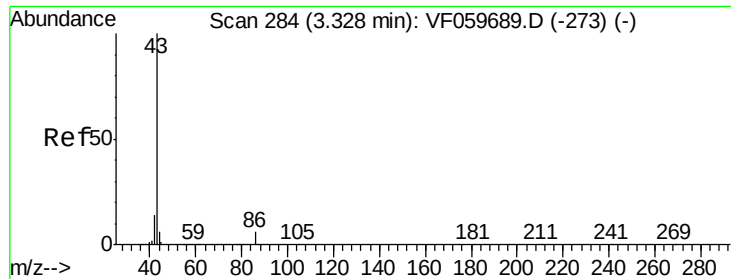
Tot Ion: 84 Resp: 63
Ion Ratio Lower Upper
84 100
49 0.0 142.2 213.4#
51 0.0 46.2 69.2#
86 0.0 57.1 85.7#



#22
Diisopropyl ether
Concen: 1.726 ug/l
RT: 2.89 min Scan# 239
Delta R.T. -0.04 min
Lab File: VF059706.D
Acq: 31 Jul 2018 13:47

Tgt Ion: 45 Resp: 158
Ion Ratio Lower Upper
45 100
43 0.0 49.3 73.9#
87 0.0 15.3 22.9#
59 0.0 7.1 10.7#





#23

Vinyl Acetate

Concen: 2.592 ug/l

RT: 3.36 min Scan# 287

Delta R.T. 0.03 min

Lab File: VF059706.D

Acq: 31 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

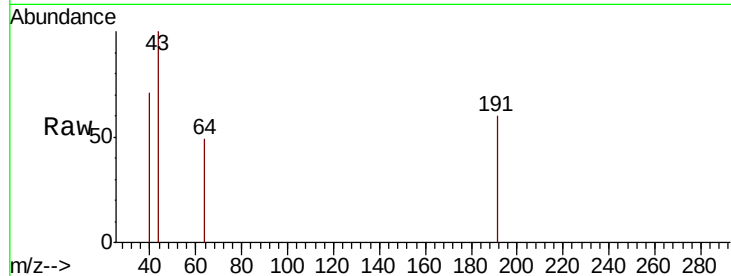
EPE-F-8(85-87)

Tot Ion: 43 Resp: 122

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

3.36

200

150

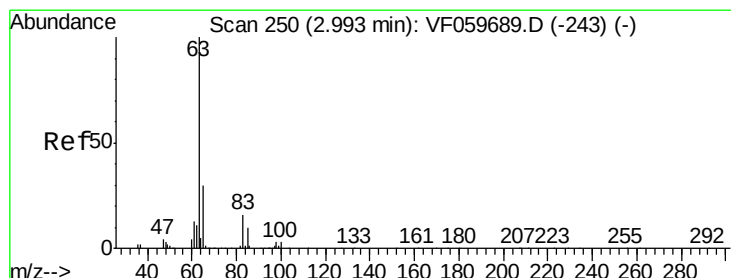
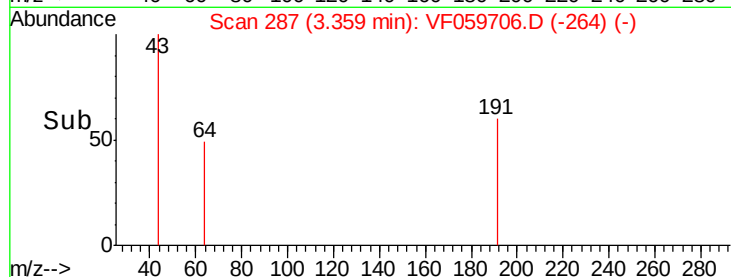
100

50

0

3.32 3.34 3.36 3.38

Time-->



#24

1,1-Dichloroethane

Concen: 1.682 ug/l

RT: 2.93 min Scan# 244

Delta R.T. -0.06 min

Lab File: VF059706.D

Acq: 31 Jul 2018 13:47

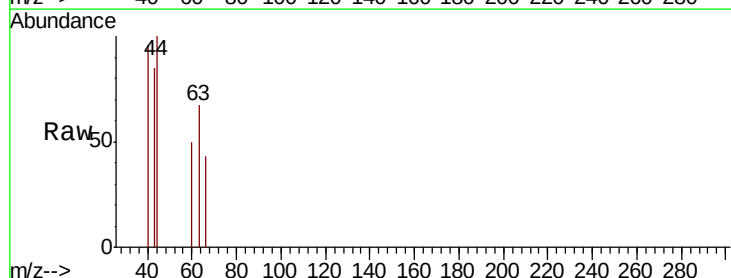
Tgt Ion: 63 Resp: 107

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

250

200

150

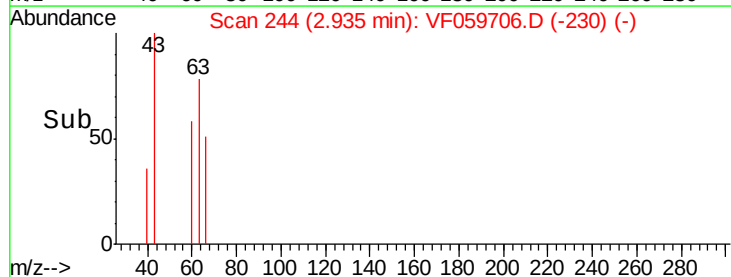
100

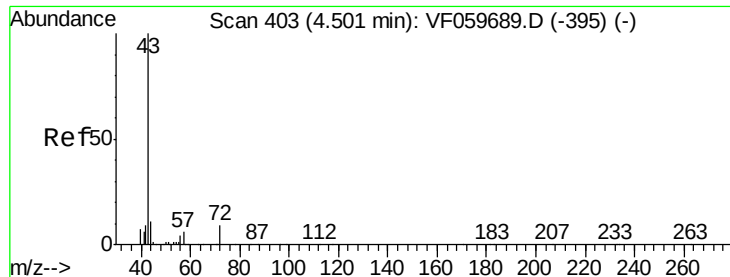
50

0

2.90 2.92 2.94 2.96

Time-->





#25

2-Butanone

Concen: 4.750 ug/l

RT: 4.55 min Scan# 408

Delta R.T. 0.05 min

Lab File: VF059706.D

Acq: 31 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

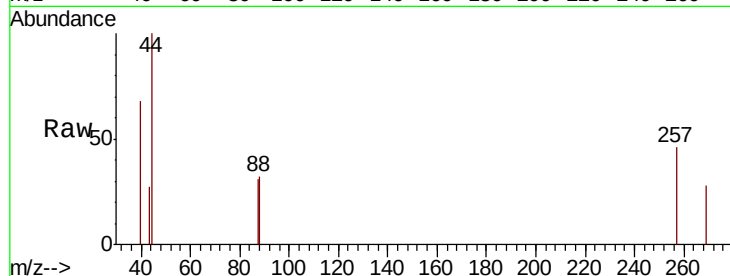
EPE-F-8(85-87)

Tot Ion: 43 Resp: 60

Ion Ratio Lower Upper

43 100

72 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.55

100

80

60

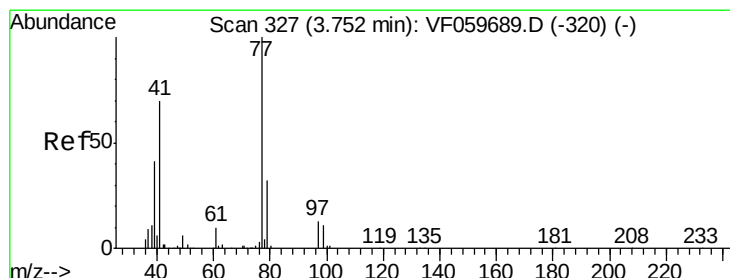
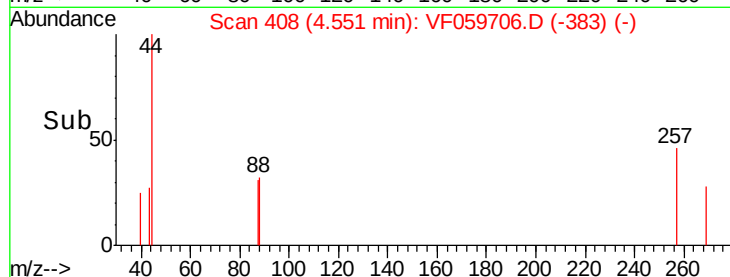
40

20

0

4.52 4.54 4.56

Time-->



#26

2,2-Dichloropropane

Concen: 1.765 ug/l

RT: 3.84 min Scan# 336

Delta R.T. 0.09 min

Lab File: VF059706.D

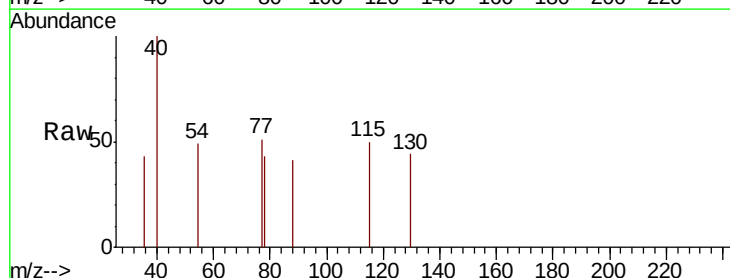
Acq: 31 Jul 2018 13:47

Tgt Ion: 77 Resp: 80

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

3.84

150

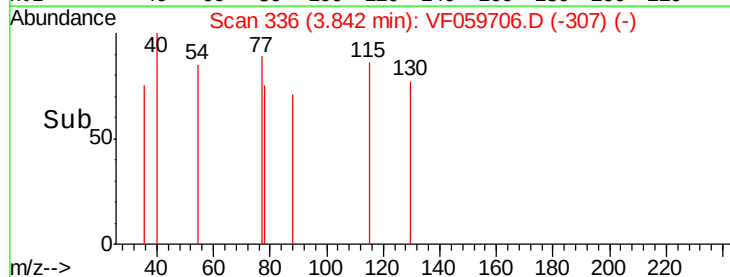
100

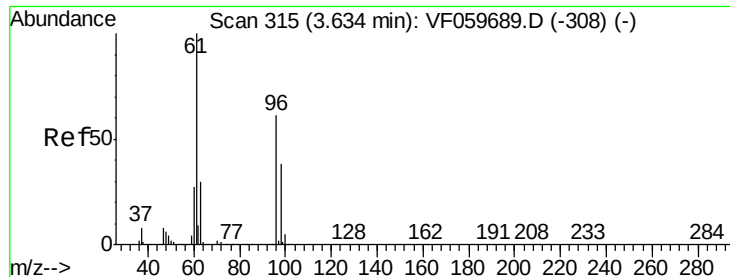
50

0

3.82 3.84 3.86

Time-->



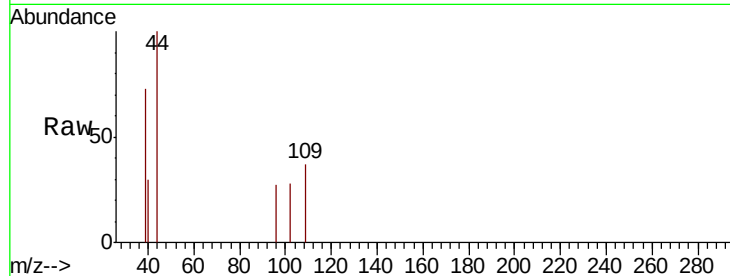


#27

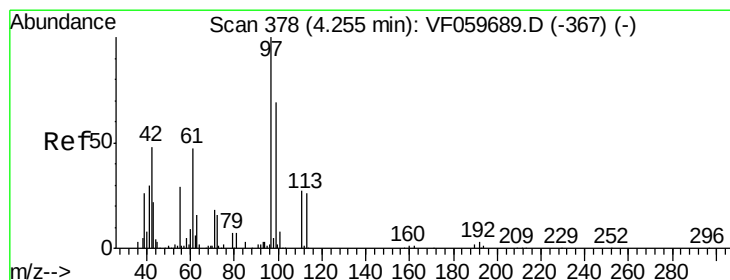
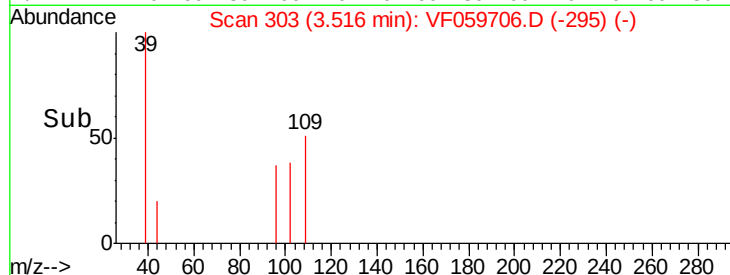
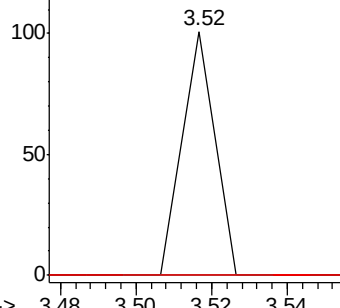
cis-1,2-Dichloroethene
 Concen: 1.762 ug/l
 RT: 3.52 min Scan# 303
 Delta R.T. -0.12 min
 Lab File: VF059706.D
 Acq: 31 Jul 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 EPE-F-8(85-87)

Tot Ion:	96	Resp:	60
Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	326.8
98	0.0	0.0	125.2



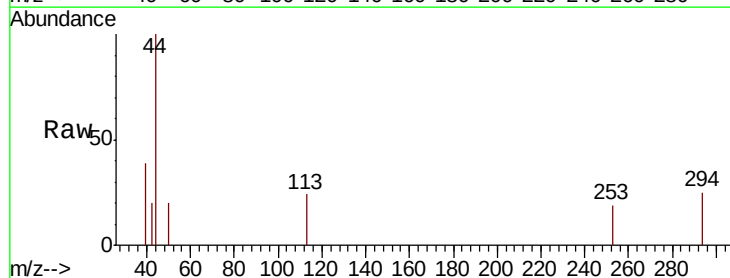
Abundance Ion 96.00 (95.70 to 96.70): VF0
 Ion 61.00 (60.70 to 61.70): VF0
 Ion 98.00 (97.70 to 98.70): VF0



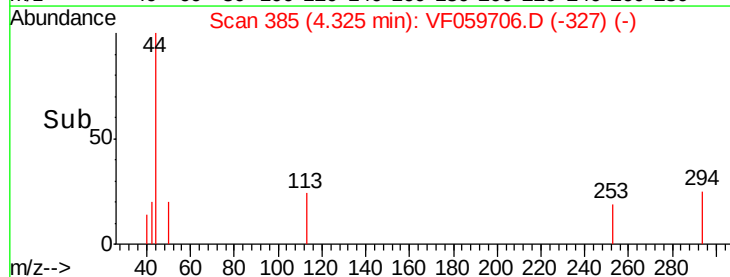
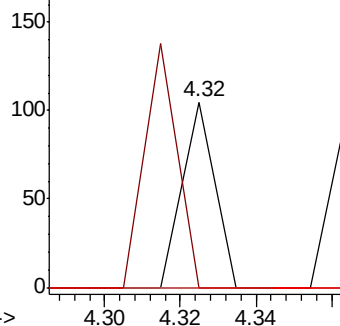
#29

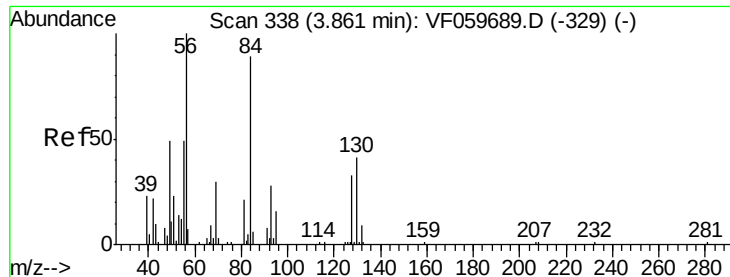
Tetrahydrofuran
 Concen: 12.772 ug/l
 RT: 4.32 min Scan# 385
 Delta R.T. 0.07 min
 Lab File: VF059706.D
 Acq: 31 Jul 2018 13:47

Tgt Ion:	42	Resp:	62
Ion	Ratio	Lower	Upper
42	100		
72	132.3	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

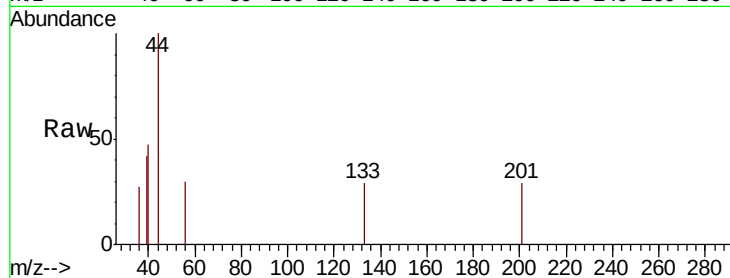




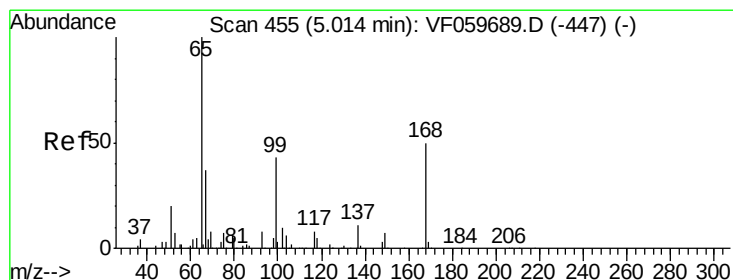
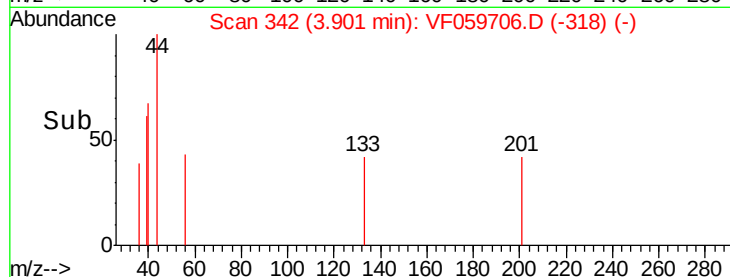
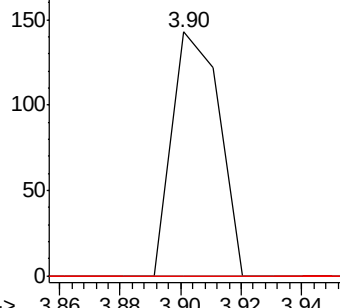
#31
Cyclohexane
Concen: 1.058 ug/l
RT: 3.90 min Scan# 342
Delta R.T. 0.04 min
Lab File: VF059706.D
Acq: 31 Jul 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(85-87)

Tot Ion: 56 Resp: 157
Ion Ratio Lower Upper
56 100
69 0.0 23.7 35.5#
84 0.0 71.1 106.7#

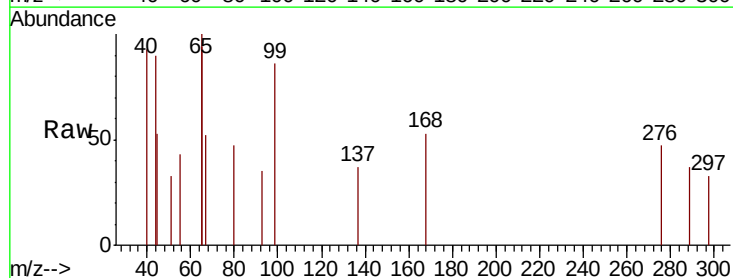


Abundance Ion 56.00 (55.70 to 56.70): VF0
Ion 69.00 (68.70 to 69.70): VF0
Ion 84.00 (83.70 to 84.70): VF0

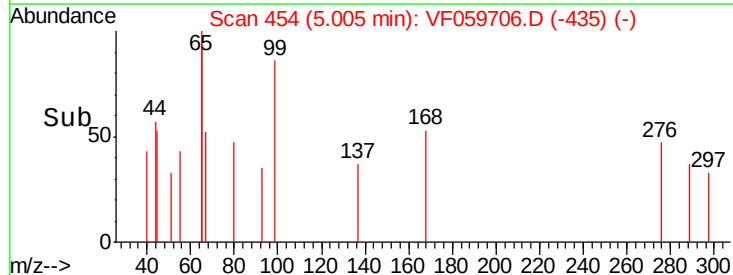
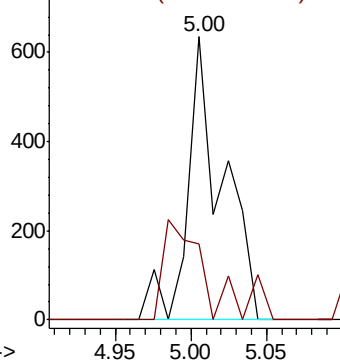


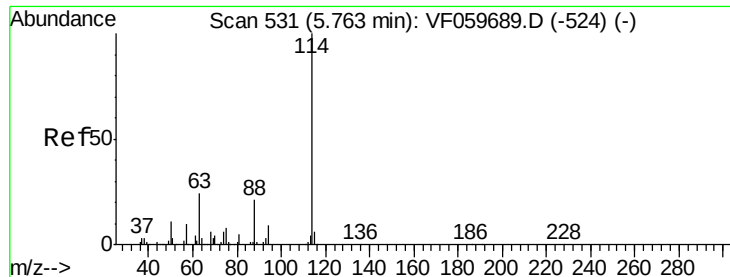
#33
1,2-Dichloroethane-d4
Concen: 16.275 ug/l
RT: 5.00 min Scan# 454
Delta R.T. -0.01 min
Lab File: VF059706.D
Acq: 31 Jul 2018 13:47

Tgt Ion: 65 Resp: 1024
Ion Ratio Lower Upper
65 100
67 26.9 0.0 84.6



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.77 min Scan# 532

Delta R.T. 0.01 min

Lab File: VF059706.D

Acq: 31 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(85-87)

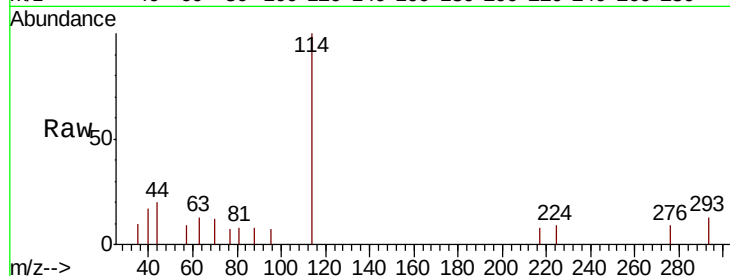
Tot Ion:114 Resp: 3094

Ion Ratio Lower Upper

114 100

63 13.4 0.0 47.4

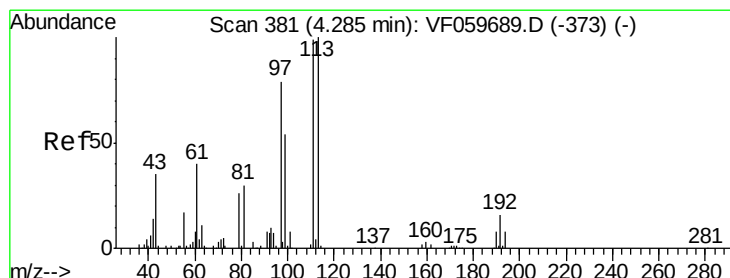
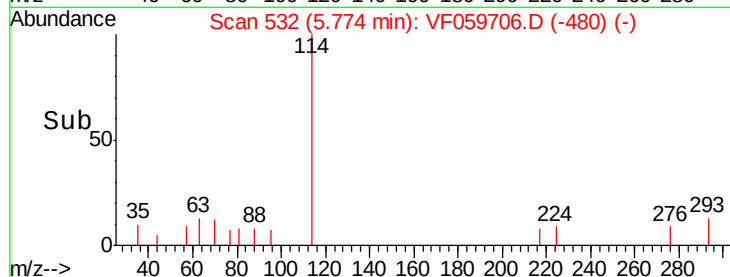
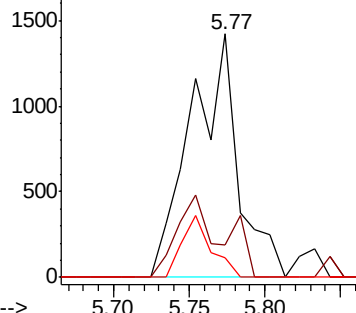
88 7.9 0.0 41.2



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: 45.276 ug/l

RT: 4.28 min Scan# 380

Delta R.T. -0.01 min

Lab File: VF059706.D

Acq: 31 Jul 2018 13:47

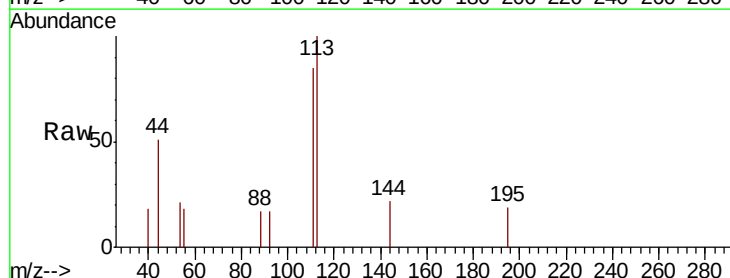
Tgt Ion:113 Resp: 1455

Ion Ratio Lower Upper

113 100

111 84.9 79.0 118.4

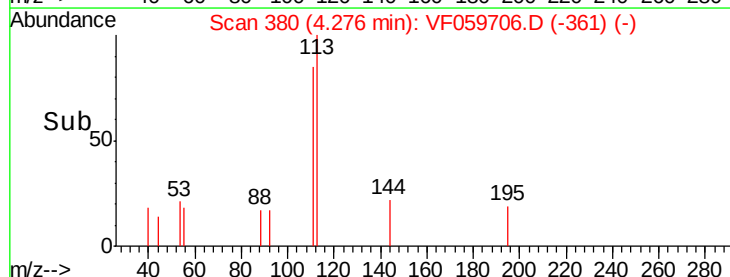
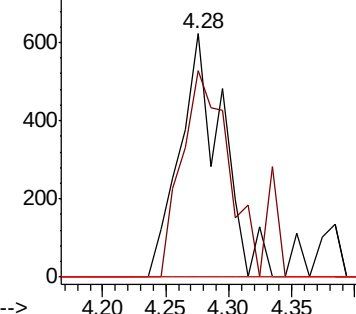
192 0.0 13.2 19.8#

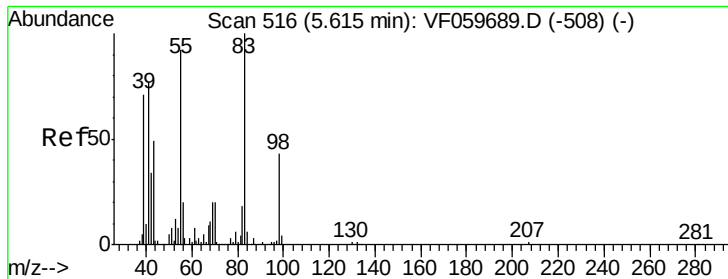


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V





#39

Methylvlcyclohexane

Concen: 3.868 ug/l

RT: 5.75 min Scan# 530

Delta R.T. 0.14 min

Lab File: VF059706.D

Acq: 31 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(85-87)

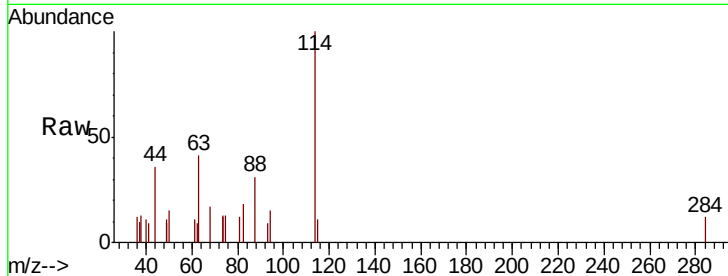
Tot Ion: 83 Resp: 188

Ion Ratio Lower Upper

83 100

55 0.0 73.4 110.2#

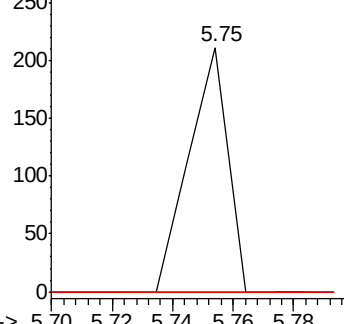
98 0.0 34.2 51.4#



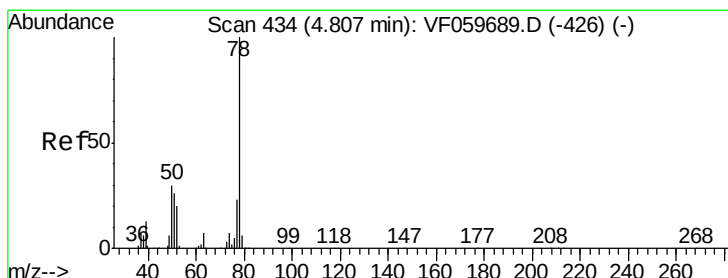
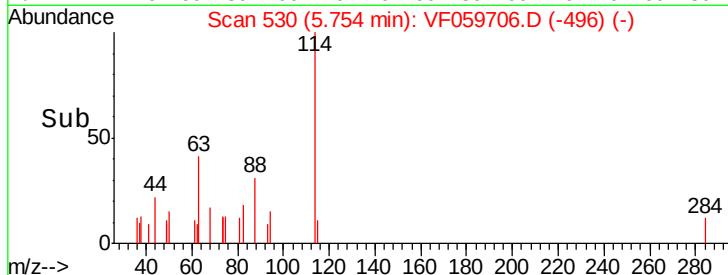
Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0



Time--> 5.70 5.72 5.74 5.76 5.78



#40

Benzene

Concen: 1.120 ug/l

RT: 4.74 min Scan# 427

Delta R.T. -0.07 min

Lab File: VF059706.D

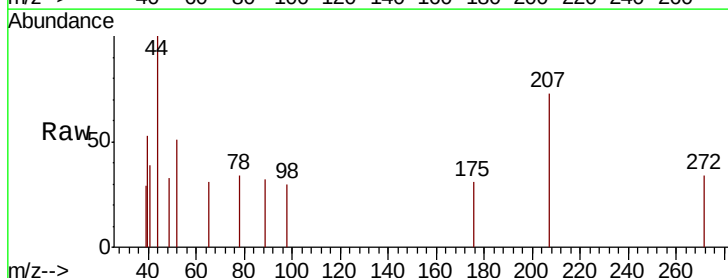
Acq: 31 Jul 2018 13:47

Tgt Ion: 78 Resp: 70

Ion Ratio Lower Upper

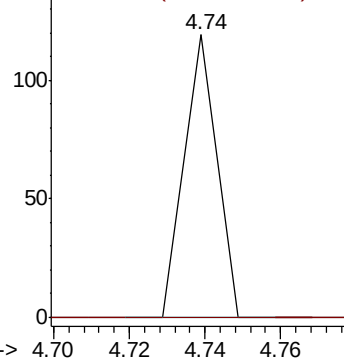
78 100

77 0.0 18.9 28.3#

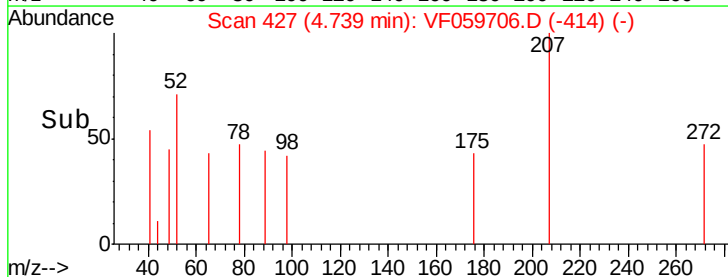


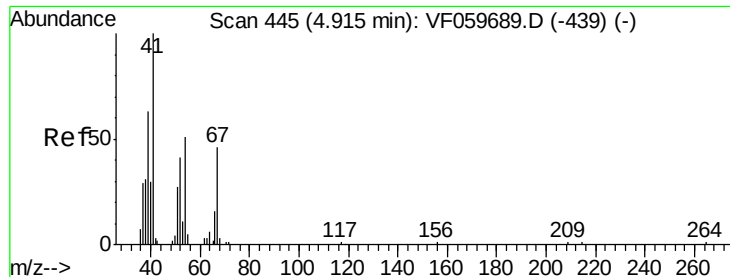
Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



Time--> 4.70 4.72 4.74 4.76

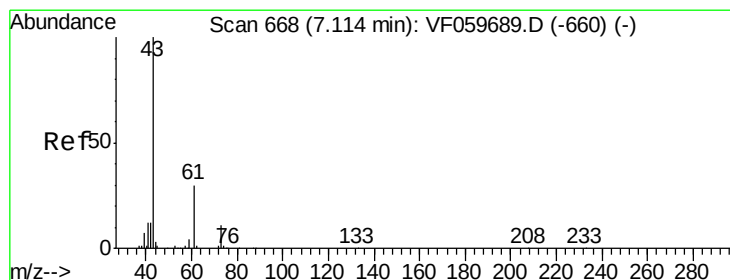
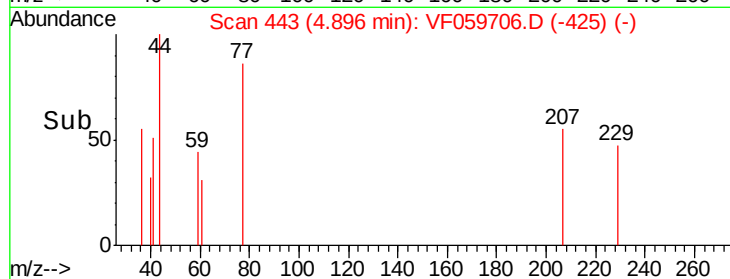
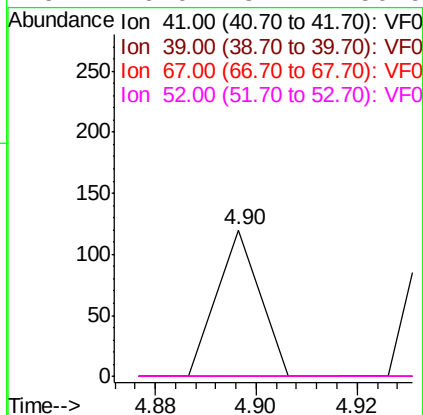
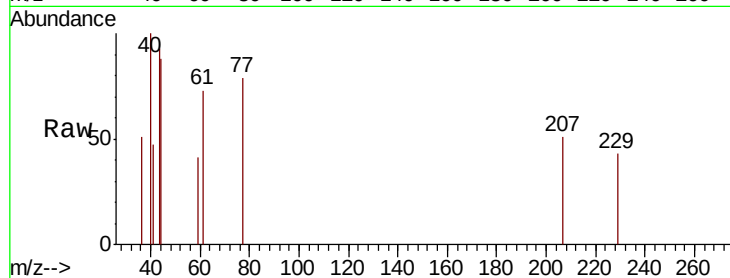




#41
Methacrylonitrile
Concen: 6.683 ug/l
RT: 4.90 min Scan# 443
Delta R.T. -0.02 min
Lab File: VF059706.D
Acq: 31 Jul 2018 13:47

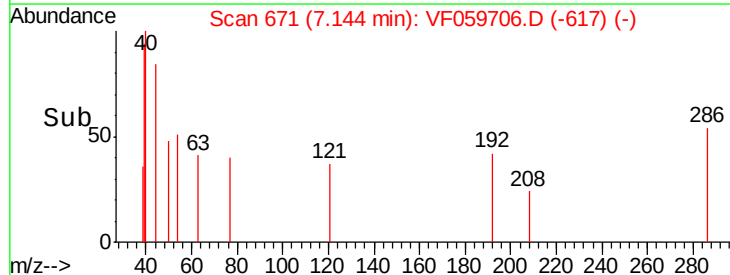
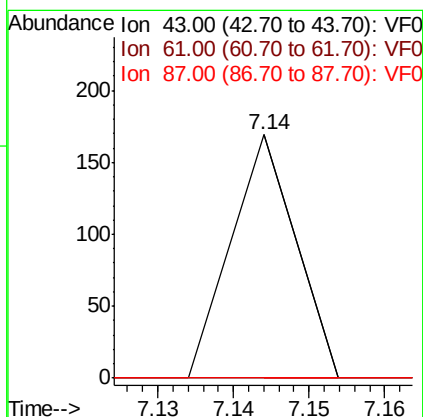
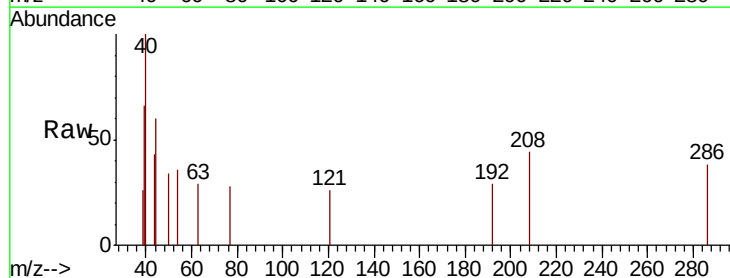
Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(85-87)

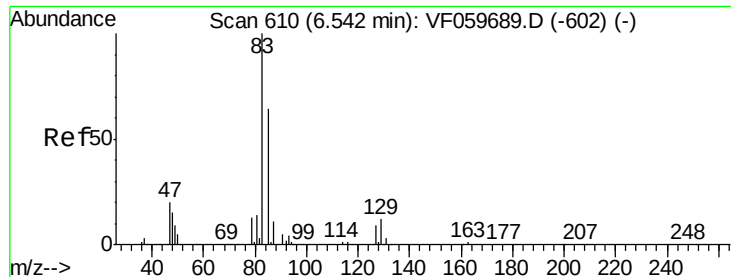
Tot Ion:	41	Resp:	71
Ion	Ratio	Lower	Upper
41	100		
39	0.0	55.2	82.8#
67	0.0	36.2	54.2#
52	0.0	37.7	56.5#



#43
Isopropyl Acetate
Concen: 5.405 ug/l
RT: 7.14 min Scan# 671
Delta R.T. 0.03 min
Lab File: VF059706.D
Acq: 31 Jul 2018 13:47

Tgt Ion:	43	Resp:	100
Ion	Ratio	Lower	Upper
43	100		
61	0.0	23.8	35.8#
87	0.0	0.6	1.0#





#47

Bromodichloromethane

Concen: 2.367 ug/l

RT: 6.62 min Scan# 618

Delta R.T. 0.08 min

Lab File: VF059706.D

Acq: 31 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(85-87)

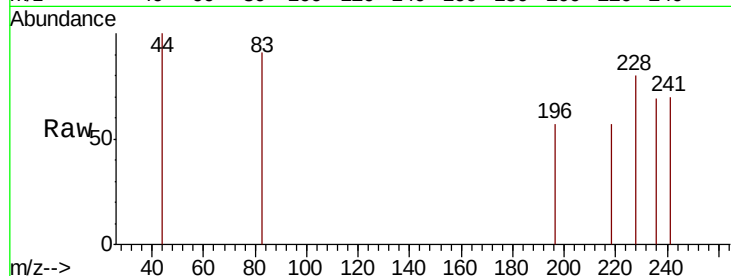
Tot Ion: 83 Resp: 101

Ion Ratio Lower Upper

83 100

85 0.0 51.0 76.6#

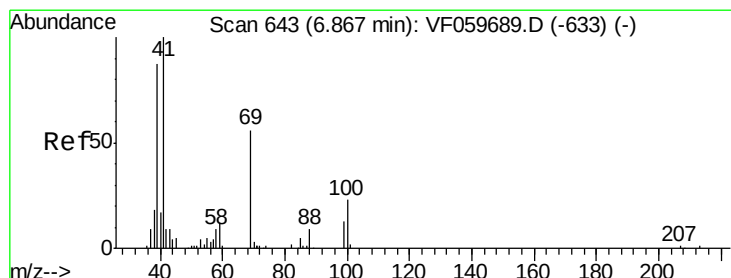
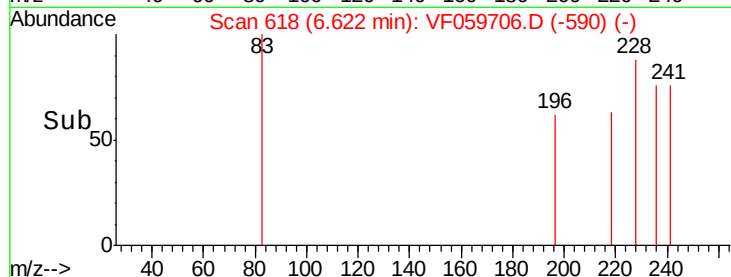
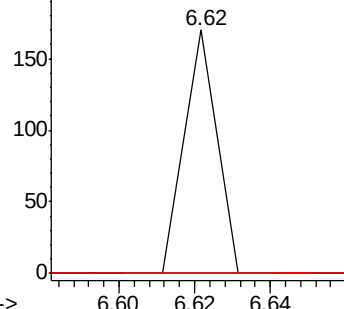
127 0.0 7.3 10.9#



Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 85.00 (84.70 to 85.70): VF0

Ion 127.00 (126.70 to 127.70): V



#48

Methyl methacrylate

Concen: 6.324 ug/l

RT: 6.85 min Scan# 641

Delta R.T. -0.02 min

Lab File: VF059706.D

Acq: 31 Jul 2018 13:47

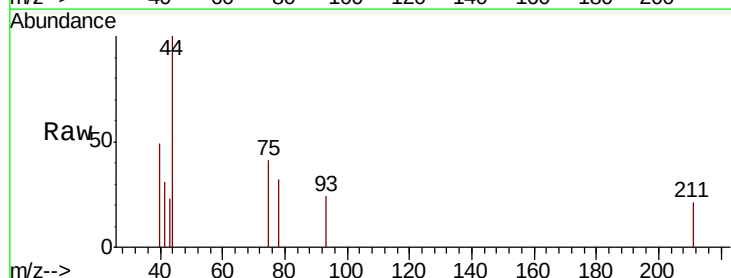
Tgt Ion: 41 Resp: 88

Ion Ratio Lower Upper

41 100

69 0.0 44.4 66.6#

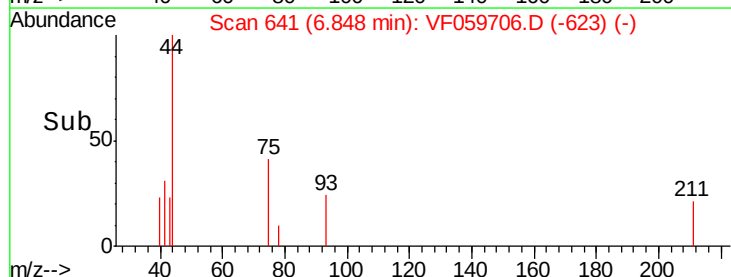
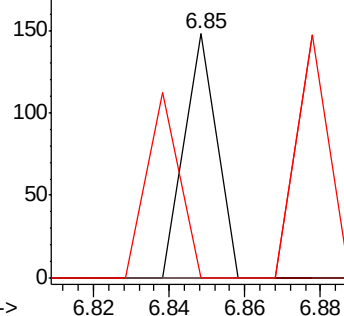
39 0.0 69.4 104.2#

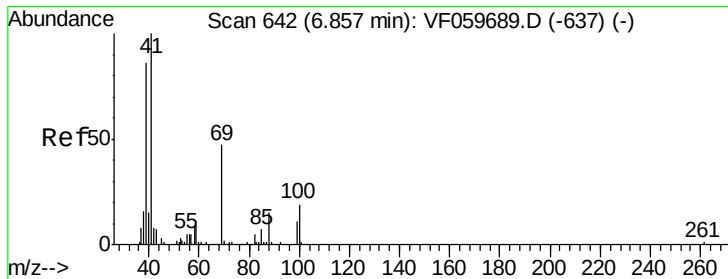


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 39.00 (38.70 to 39.70): VF0





#49

1,4-Dioxane

Concen: 739.794 ug/l

RT: 6.77 min Scan# 633

Delta R.T. -0.09 min

Lab File: VF059706.D

Acq: 31 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(85-87)

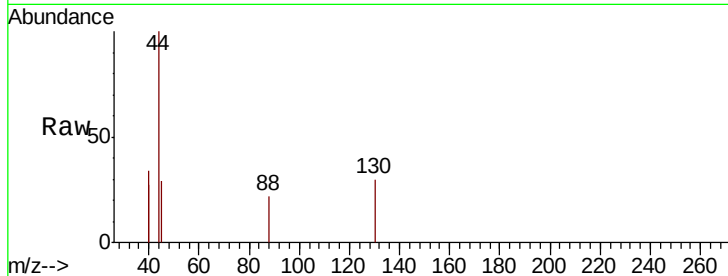
Tot Ion: 88 Resp: 66

Ion Ratio Lower Upper

88 100

43 0.0 45.2 67.8#

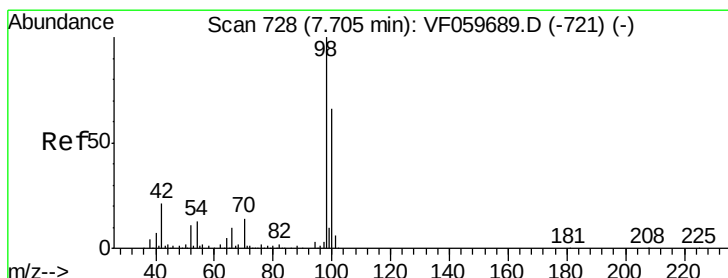
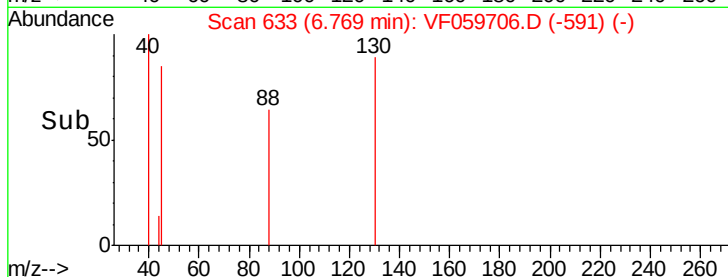
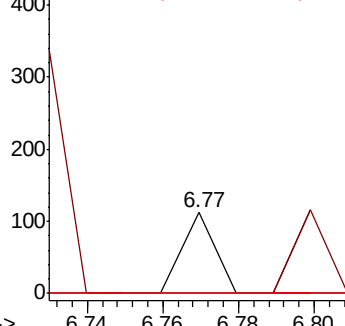
58 0.0 49.0 73.6#



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: 43.315 ug/l

RT: 7.71 min Scan# 728

Delta R.T. 0.00 min

Lab File: VF059706.D

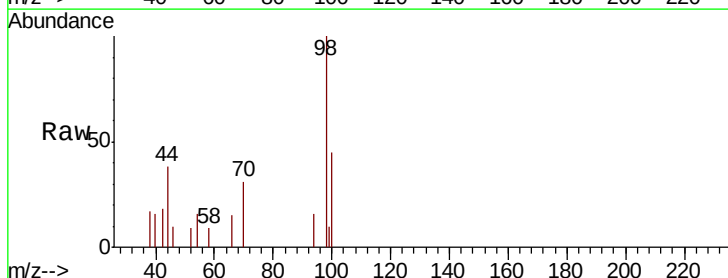
Acq: 31 Jul 2018 13:47

Tgt Ion: 98 Resp: 3246

Ion Ratio Lower Upper

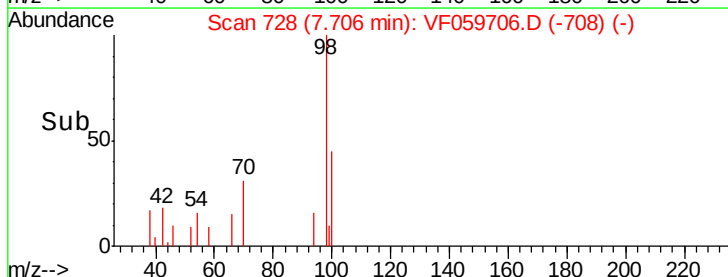
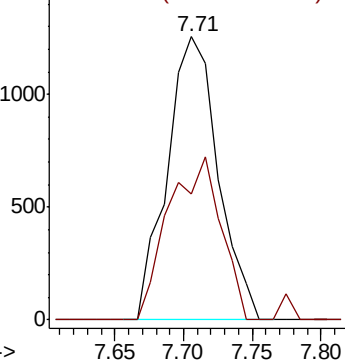
98 100

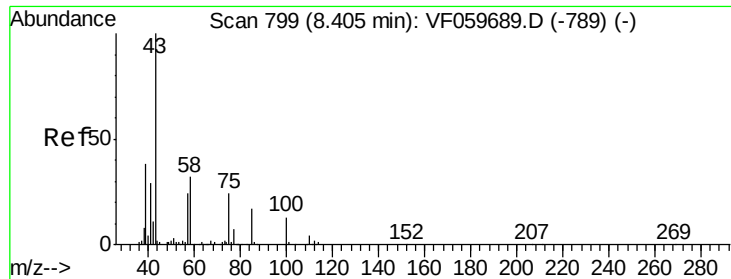
100 44.5 52.8 79.2#



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: 9.308 ug/l

RT: 8.40 min Scan# 798

Delta R.T. -0.01 min

Lab File: VF059706.D

Acq: 31 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

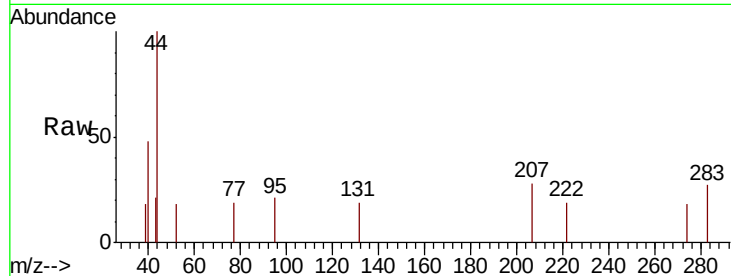
EPE-F-8(85-87)

Tot Ion: 43 Resp: 131

Ion Ratio Lower Upper

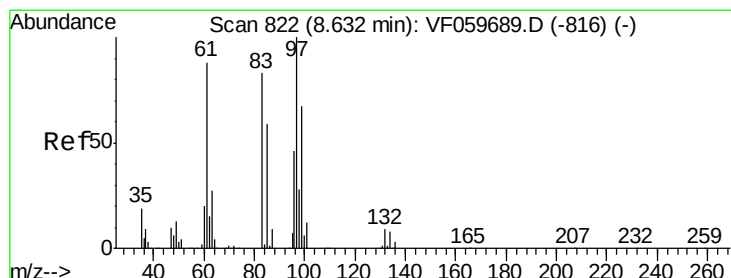
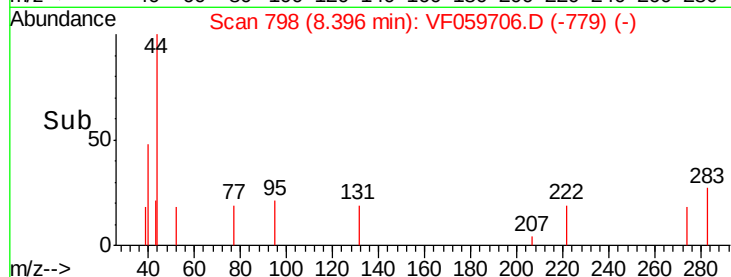
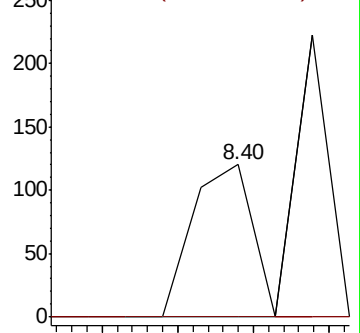
43 100

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



#55

1,1,2-Trichloroethane

Concen: 3.723 ug/l

RT: 8.72 min Scan# 831

Delta R.T. 0.09 min

Lab File: VF059706.D

Acq: 31 Jul 2018 13:47

Tgt Ion: 97 Resp: 63

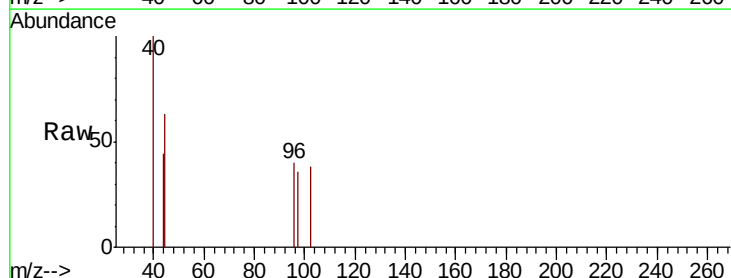
Ion Ratio Lower Upper

97 100

83 0.0 66.6 100.0#

85 0.0 47.4 71.0#

99 0.0 53.2 79.8#

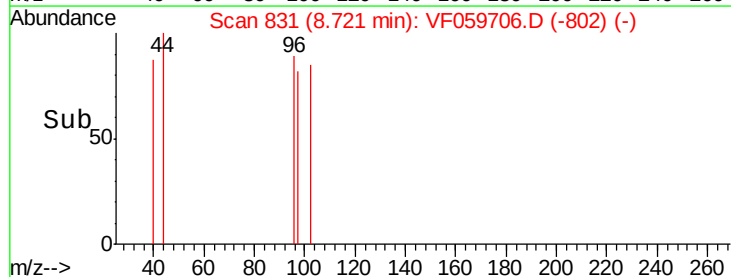
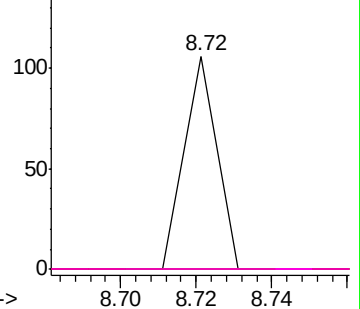


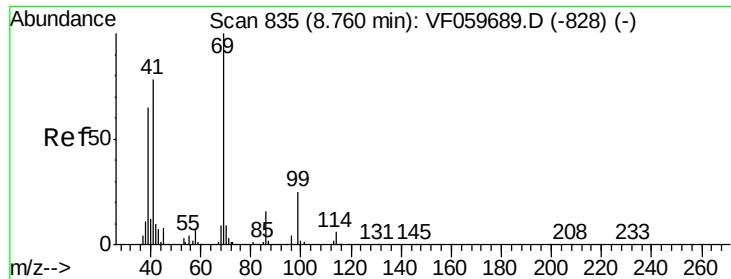
Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 82.95 (82.65 to 83.65): VF0

Ion 84.95 (84.65 to 85.65): VF0

Ion 98.95 (98.65 to 99.65): VF0





#56

Ethyl methacrylate

Concen: 5.213 ug/l

RT: 8.79 min Scan# 838

Delta R.T. 0.03 min

Lab File: VF059706.D

Acq: 31 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(85-87)

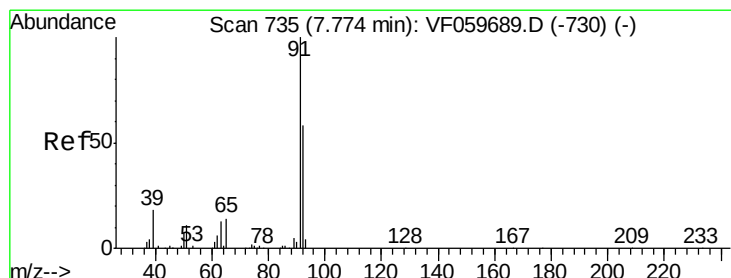
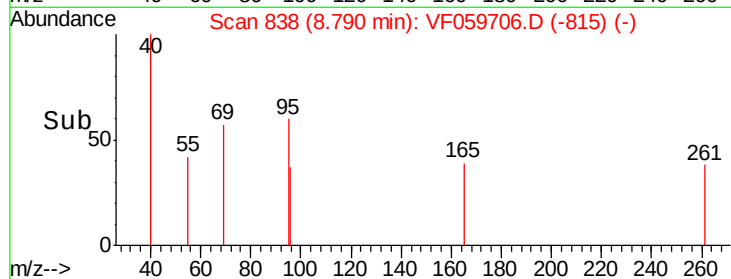
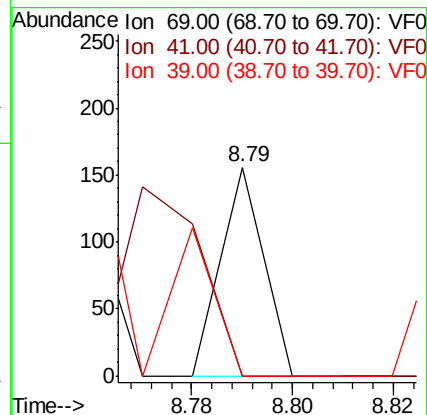
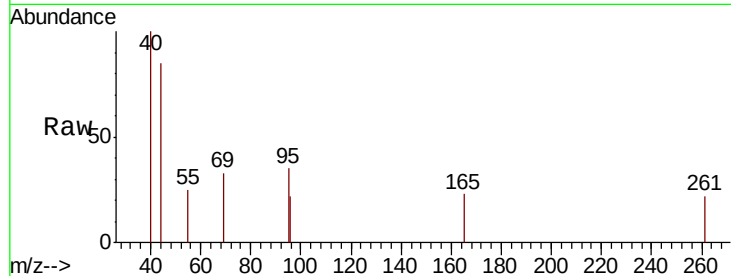
Tot Ion: 69 Resp: 92

Ion Ratio Lower Upper

69 100

41 0.0 62.3 93.5#

39 0.0 52.4 78.6#



#58

2-Chloroethyl Vinyl ether

Concen: 42.207 ug/l

RT: 7.73 min Scan# 730

Delta R.T. -0.05 min

Lab File: VF059706.D

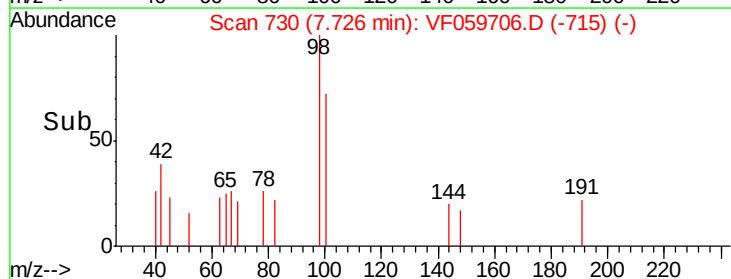
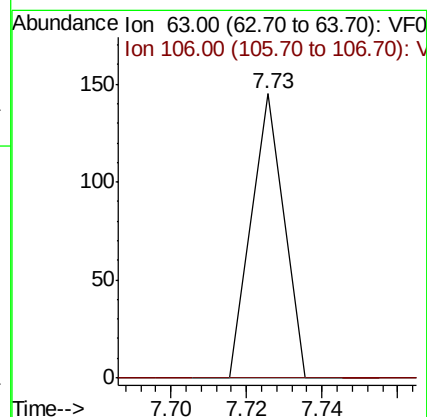
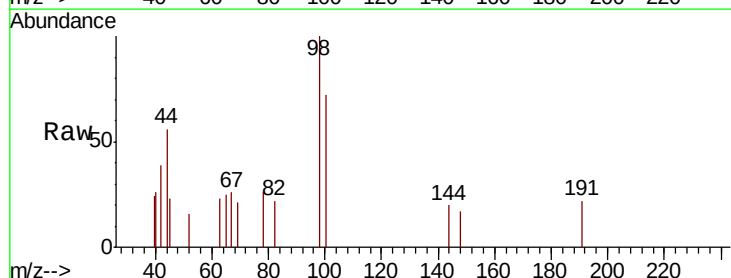
Acq: 31 Jul 2018 13:47

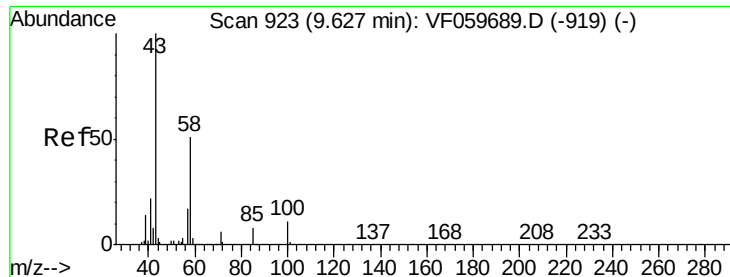
Tgt Ion: 63 Resp: 86

Ion Ratio Lower Upper

63 100

106 0.0 0.0 0.0

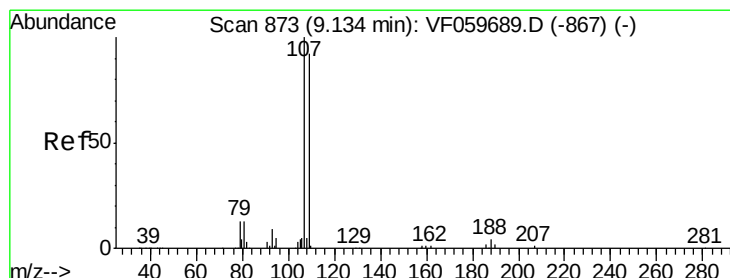
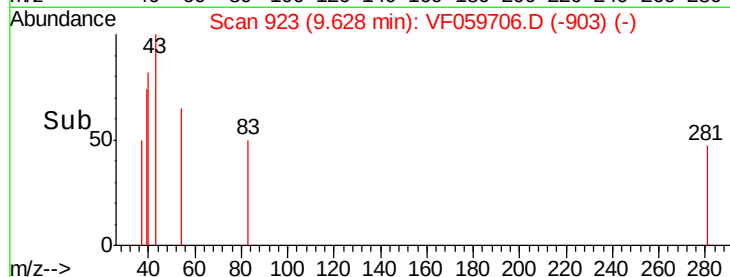
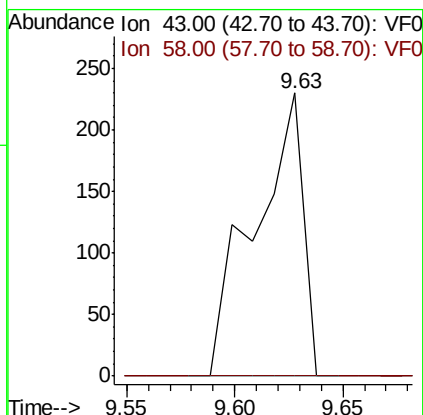
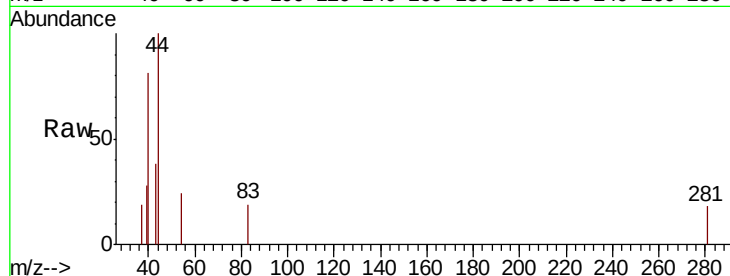




#59
2-Hexanone
Concen: 32.010 ug/l
RT: 9.63 min Scan# 923
Delta R.T. 0.00 min
Lab File: VF059706.D
Acq: 31 Jul 2018 13:47

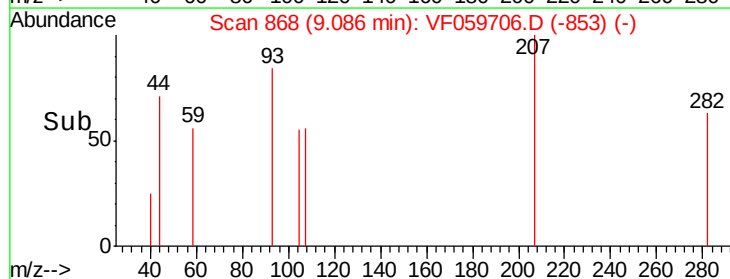
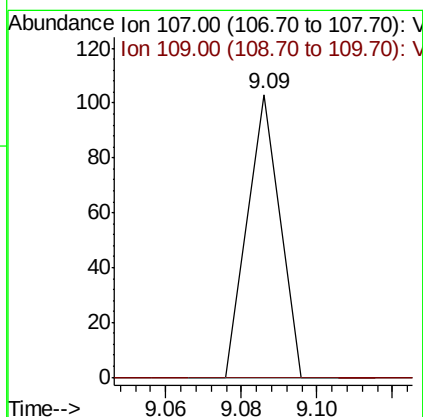
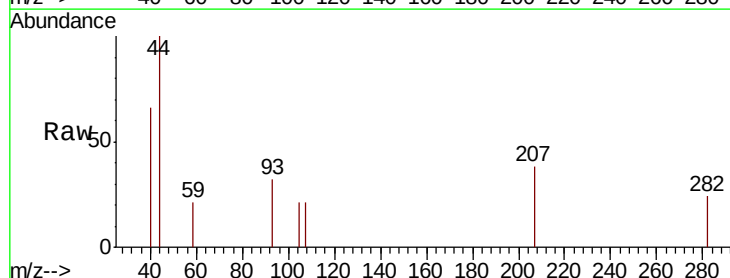
Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(85-87)

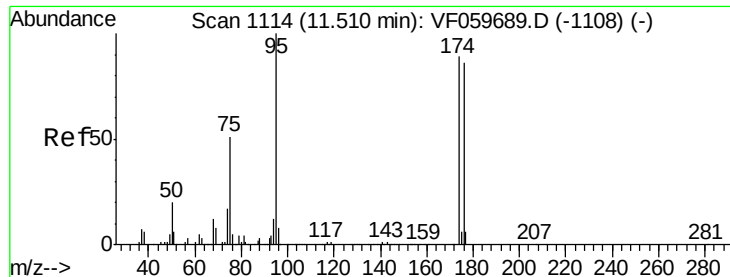
Tot Ion: 43 Resp: 361
Ion Ratio Lower Upper
43 100
58 0.0 23.3 69.8#



#61
1,2-Dibromoethane
Concen: 3.087 ug/l
RT: 9.09 min Scan# 868
Delta R.T. -0.05 min
Lab File: VF059706.D
Acq: 31 Jul 2018 13:47

Tgt Ion: 107 Resp: 61
Ion Ratio Lower Upper
107 100
109 0.0 73.6 110.4#





#62

4-Bromofluorobenzene

Concen: 9.135 ug/l

RT: 11.50 min Scan# 1113

Delta R.T. -0.01 min

Lab File: VF059706.D

Acq: 31 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(85-87)

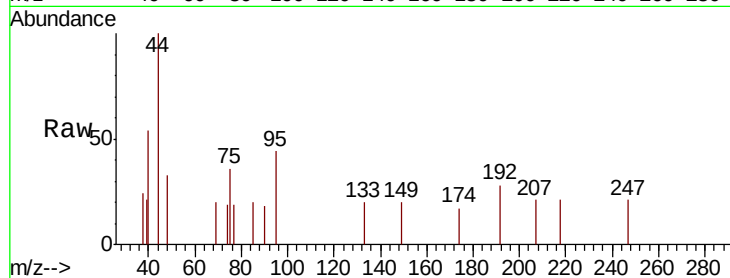
Tot Ion: 95 Resp: 379

Ion Ratio Lower Upper

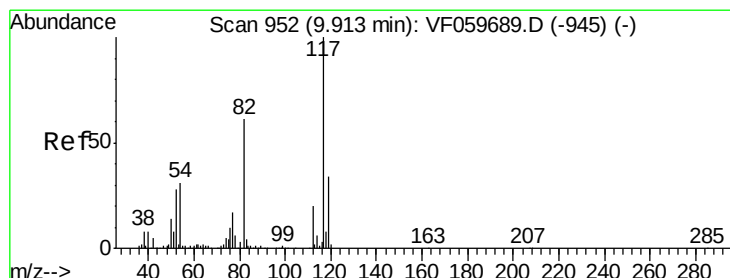
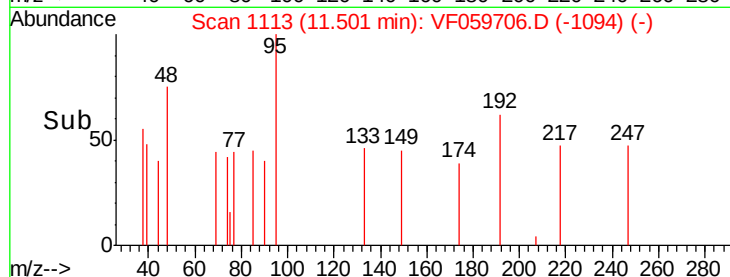
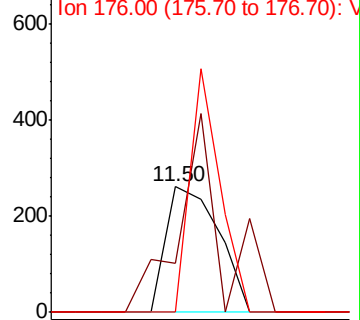
95 100

174 39.3 0.0 178.4

176 0.0 0.0 173.0



Abundance Ion 95.00 (94.70 to 95.70): VF0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. 0.00 min

Lab File: VF059706.D

Acq: 31 Jul 2018 13:47

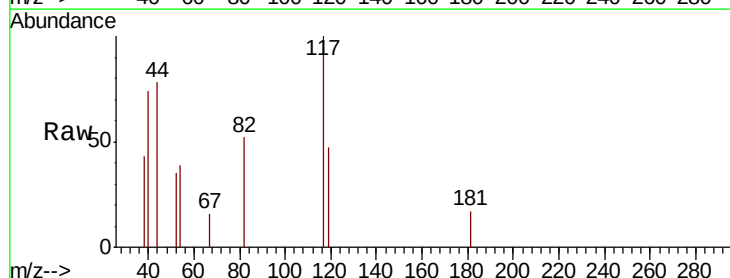
Tgt Ion: 117 Resp: 1207

Ion Ratio Lower Upper

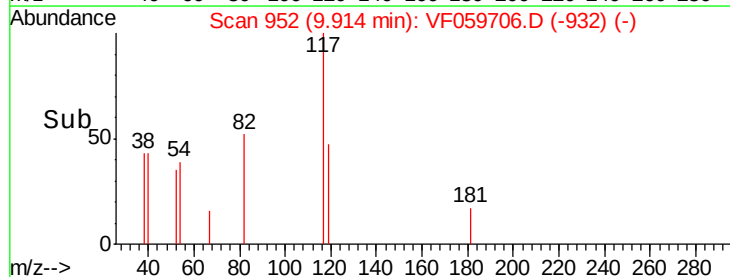
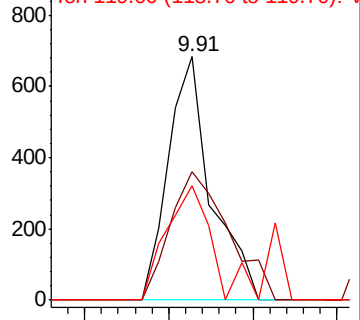
117 100

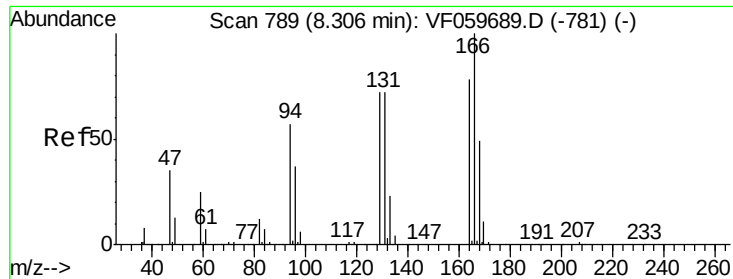
82 52.5 49.0 73.4

119 46.9 27.3 40.9#



Abundance Ion 117.00 (116.70 to 117.70): V

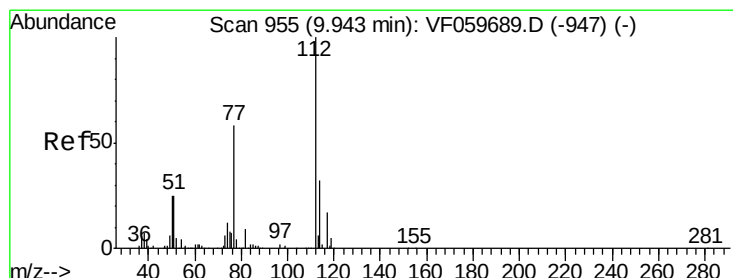
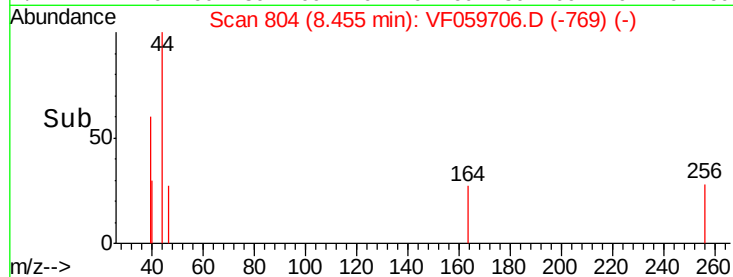
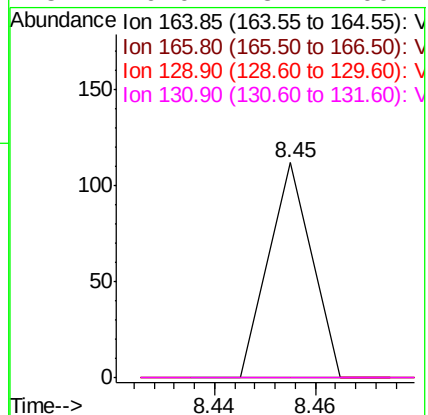
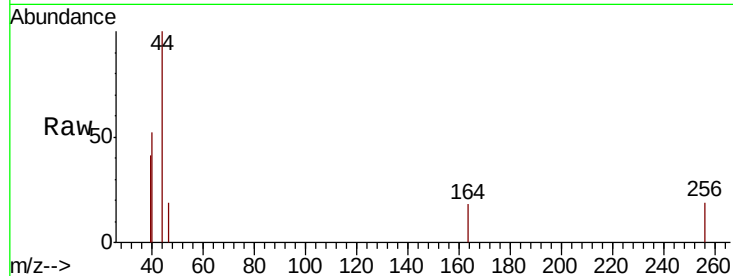




#64
Tetrachloroethene
Concen: 4.038 ug/l
RT: 8.45 min Scan# 804
Delta R.T. 0.15 min
Lab File: VF059706.D
Acq: 31 Jul 2018 13:47

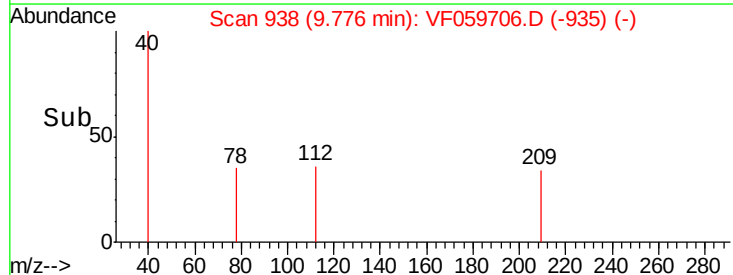
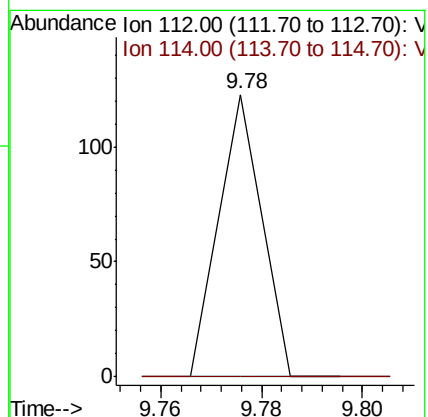
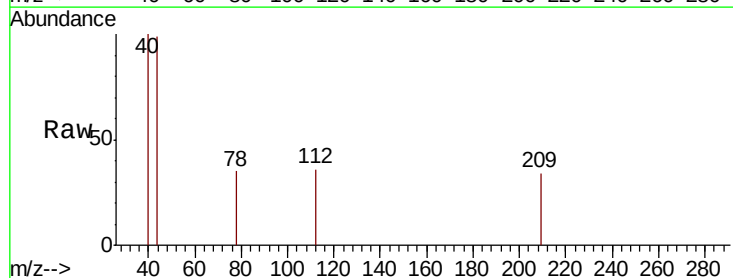
Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(85-87)

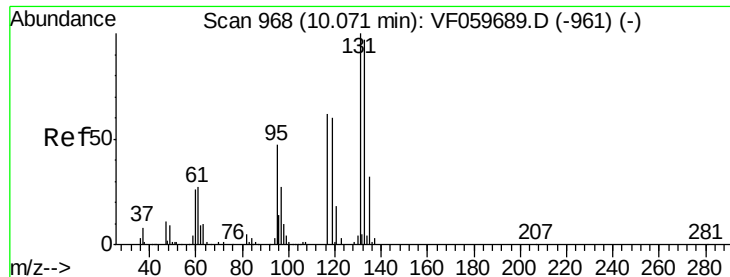
Tot Ion:164 Resp: 66
Ion Ratio Lower Upper
164 100
166 0.0 102.1 153.1#
129 0.0 73.8 110.6#
131 0.0 73.1 109.7#



#65
Chlorobenzene
Concen: 3.023 ug/l
RT: 9.78 min Scan# 938
Delta R.T. -0.17 min
Lab File: VF059706.D
Acq: 31 Jul 2018 13:47

Tgt Ion:112 Resp: 73
Ion Ratio Lower Upper
112 100
114 0.0 25.6 38.4#

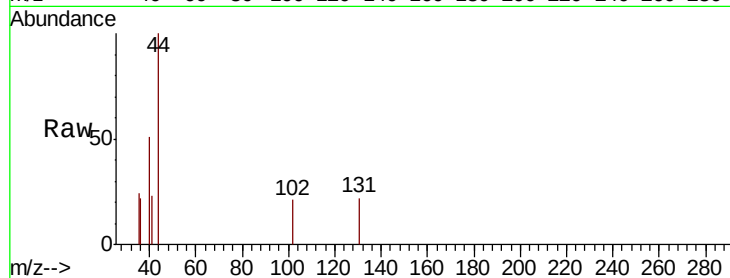




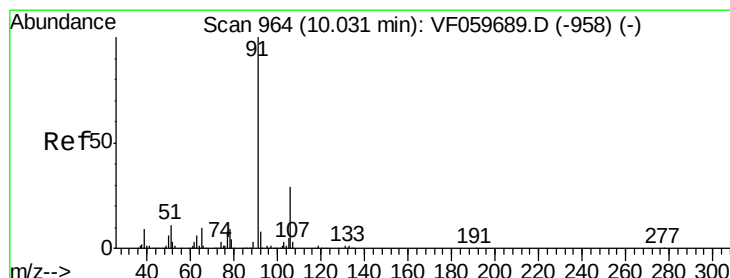
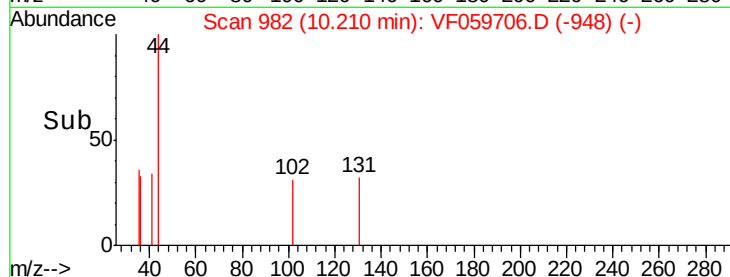
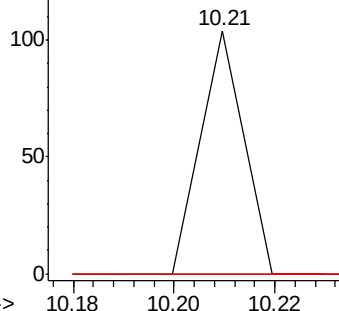
#66
 1,1,1,2-Tetrachloroethane
 Concen: 5.411 ug/l
 RT: 10.21 min Scan# 982
 Delta R.T. 0.14 min
 Lab File: VF059706.D
 Acq: 31 Jul 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 EPE-F-8(85-87)

Tot Ion	Ratio	Lower	Upper
131	100		
133	0.0	48.5	145.5#
119	0.0	30.3	90.8#

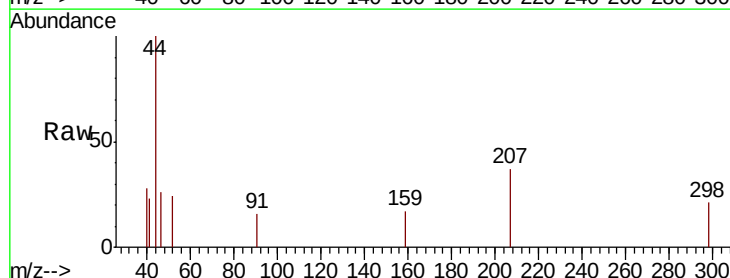


Abundance Ion 131.00 (130.70 to 131.70): V
 Ion 133.00 (132.70 to 133.70): V
 Ion 119.00 (118.70 to 119.70): V

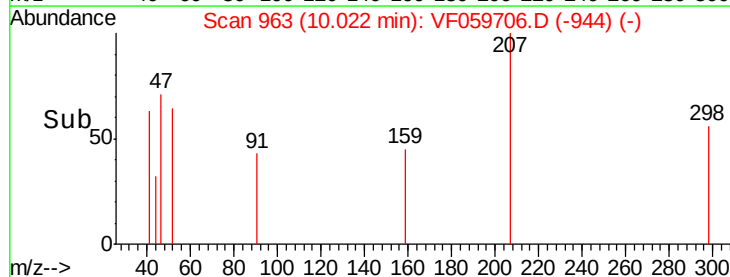
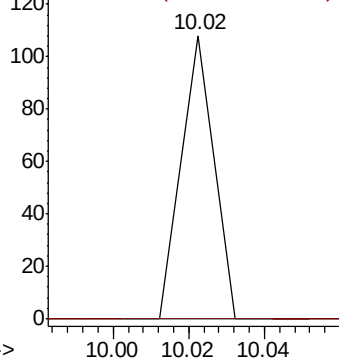


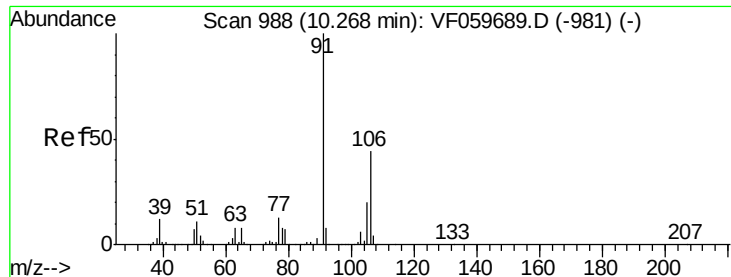
#67
 Ethyl Benzene
 Concen: 1.532 ug/l
 RT: 10.02 min Scan# 963
 Delta R.T. -0.01 min
 Lab File: VF059706.D
 Acq: 31 Jul 2018 13:47

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	22.9	34.3#



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

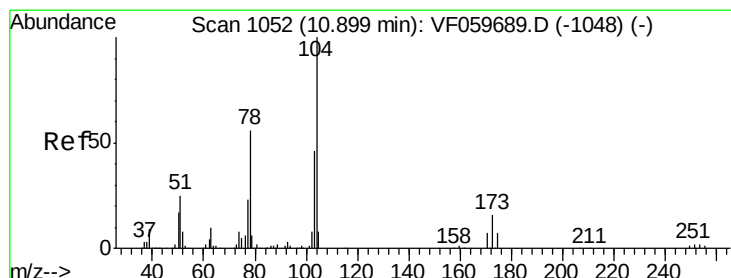
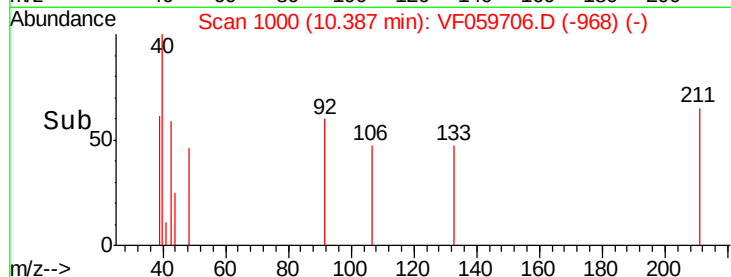
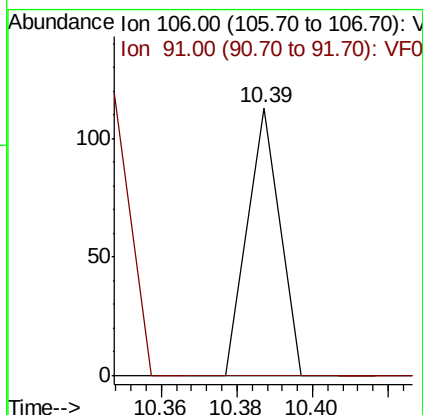
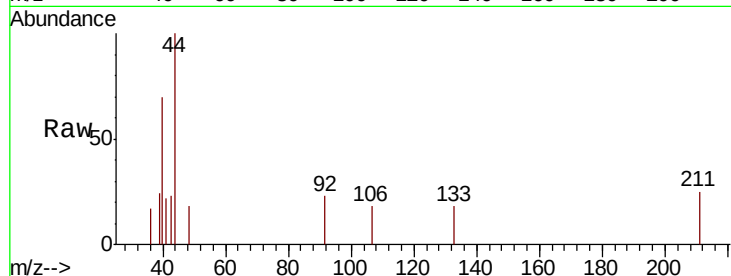




#68
m/p-Xylenes
Concen: Below Cal
RT: 10.39 min Scan# 1000
Delta R.T. 0.12 min
Lab File: VF059706.D
Acq: 31 Jul 2018 13:47

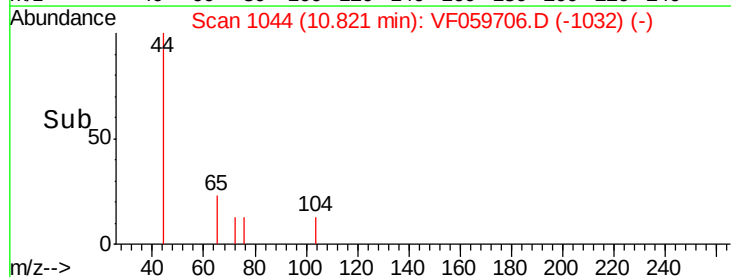
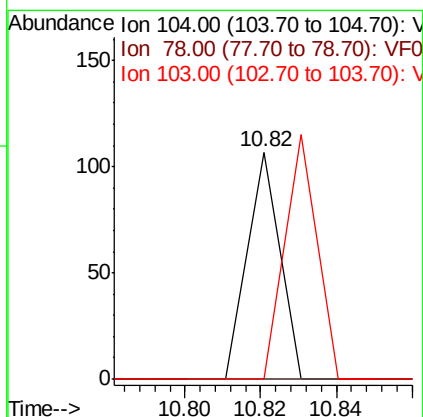
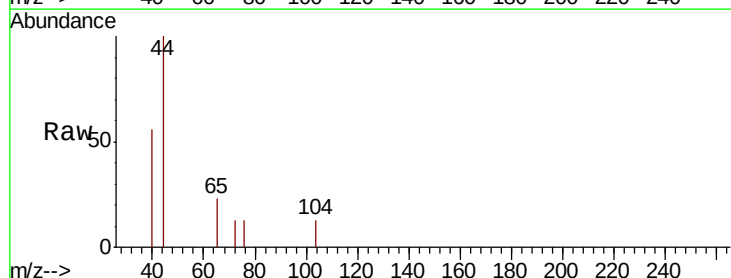
Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(85-87)

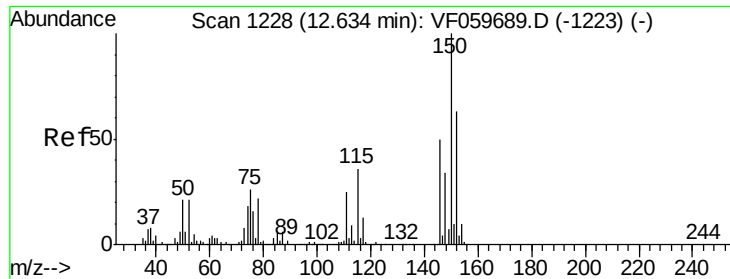
Tot Ion:106 Resp: 67
Ion Ratio Lower Upper
106 100
91 0.0 181.7 272.5#



#70
Styrene
Concen: 2.702 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.08 min
Lab File: VF059706.D
Acq: 31 Jul 2018 13:47

Tgt Ion:104 Resp: 63
Ion Ratio Lower Upper
104 100
78 0.0 45.3 67.9#
103 0.0 36.6 54.8#



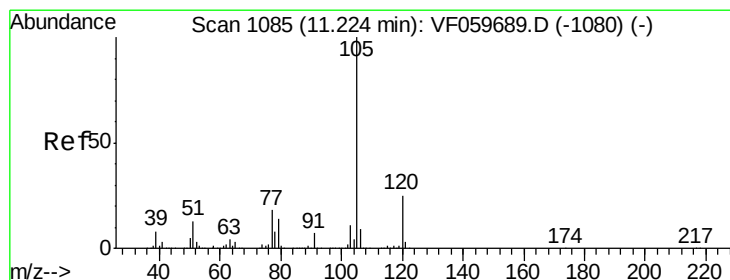
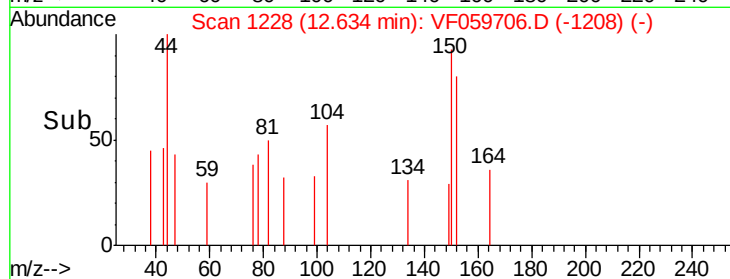
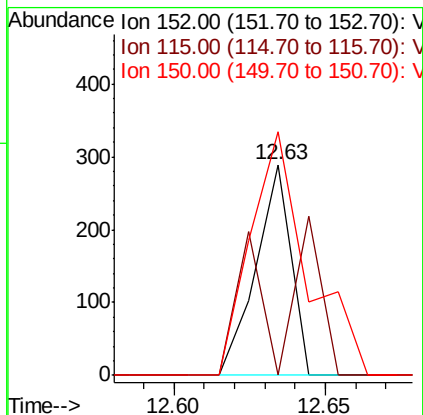
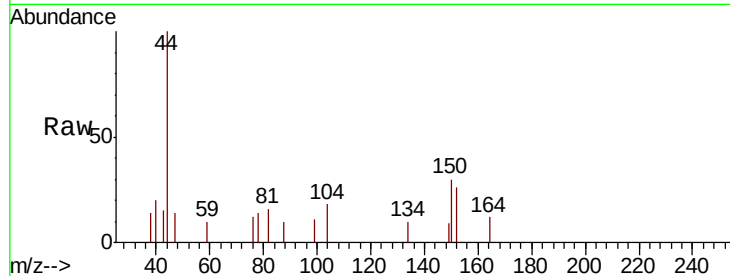


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. 0.00 min
Lab File: VF059706.D
Acq: 31 Jul 2018 13:47

Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(85-87)

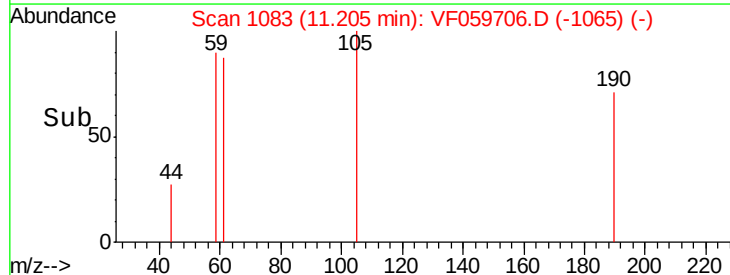
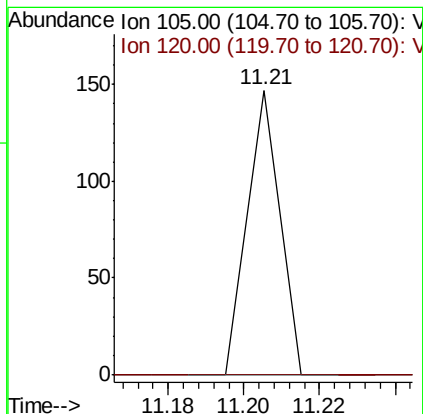
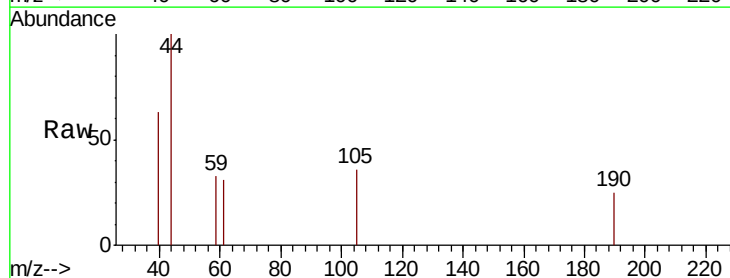
Tot Ion:152 Resp: 231
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.6#
150 115.6 0.0 316.2

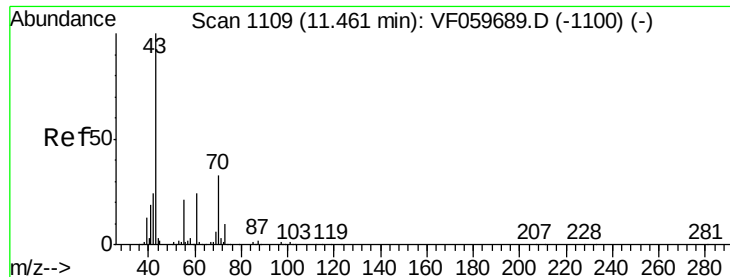


#73

Isopropylbenzene
Concen: 5.740 ug/l
RT: 11.21 min Scan# 1083
Delta R.T. -0.02 min
Lab File: VF059706.D
Acq: 31 Jul 2018 13:47

Tgt Ion:105 Resp: 87
Ion Ratio Lower Upper
105 100
120 0.0 12.4 37.4#





#74

N-amvl acetate

Concen: 61.193 ug/l

RT: 11.45 min Scan# 1108

Delta R.T. -0.01 min

Lab File: VF059706.D

Acq: 31 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(85-87)

Tot Ion: 43 Resp: 234

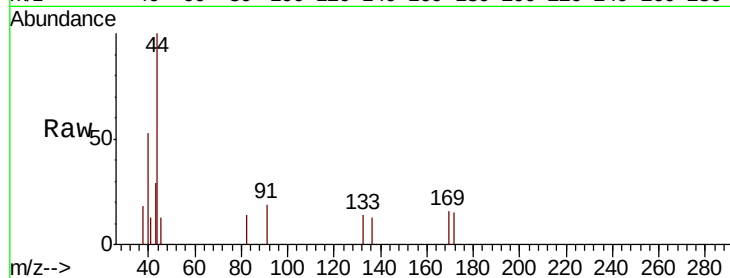
Ion Ratio Lower Upper

43 100

70 0.0 26.3 39.5#

55 0.0 16.6 25.0#

61 0.0 19.1 28.7#

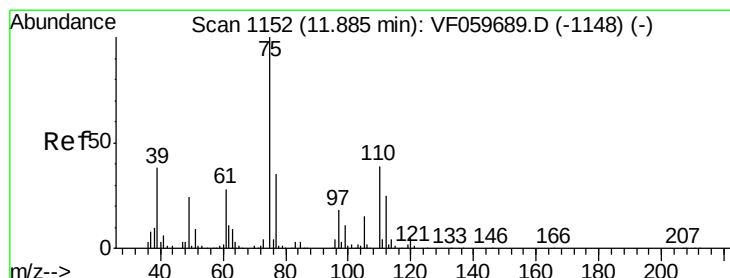
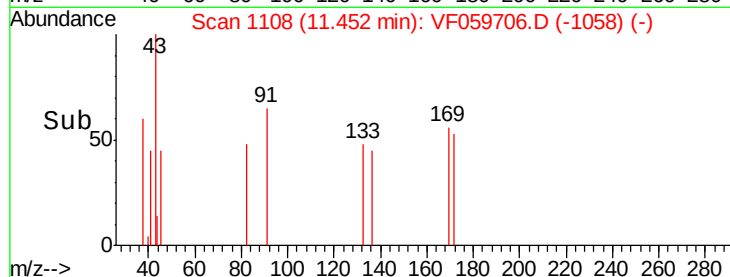
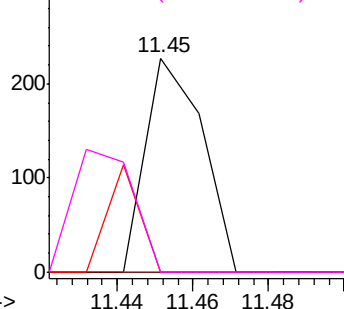


Abundance Ion 43.00 (42.70 to 43.70): VF0

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: 25.967 ug/l

RT: 11.79 min Scan# 1142

Delta R.T. -0.10 min

Lab File: VF059706.D

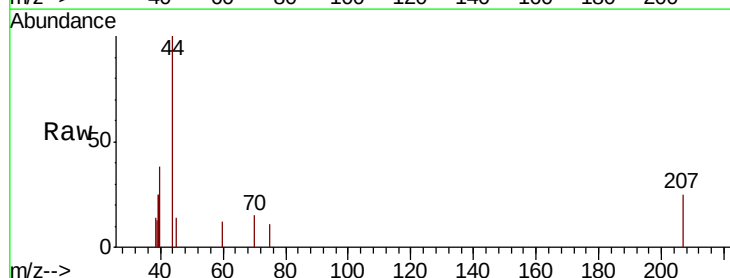
Acq: 31 Jul 2018 13:47

Tgt Ion: 75 Resp: 63

Ion Ratio Lower Upper

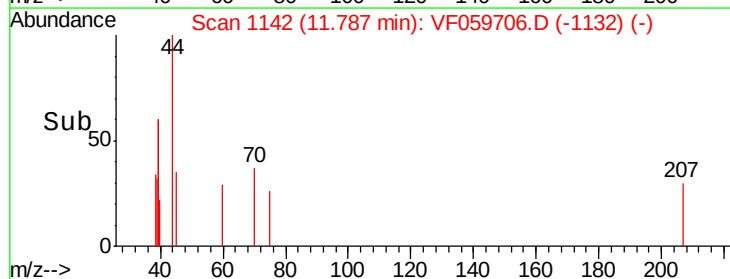
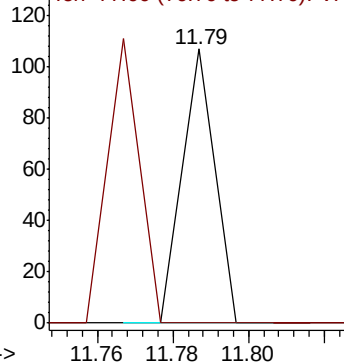
75 100

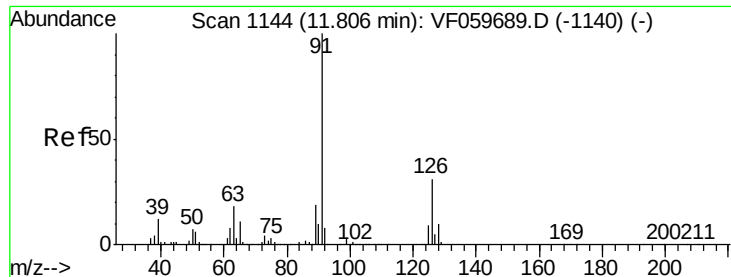
77 0.0 18.0 54.0#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0

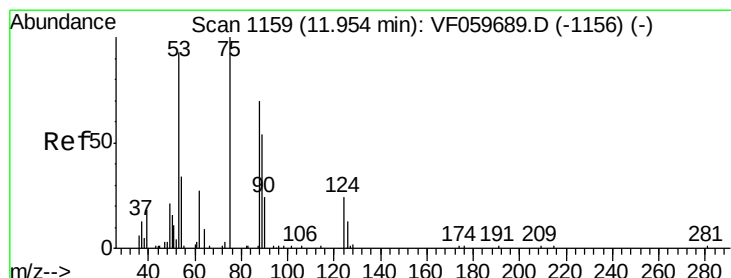
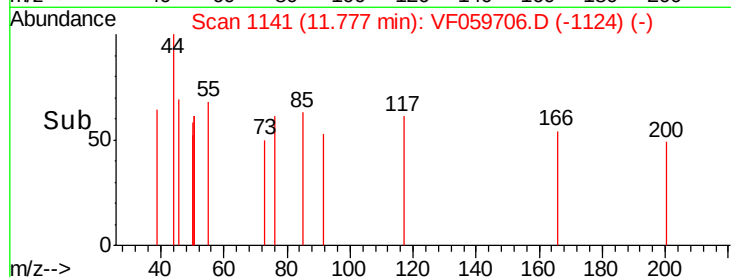
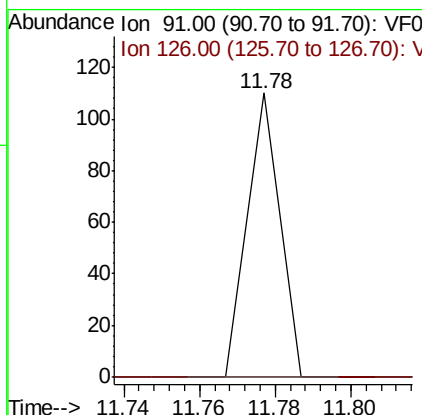
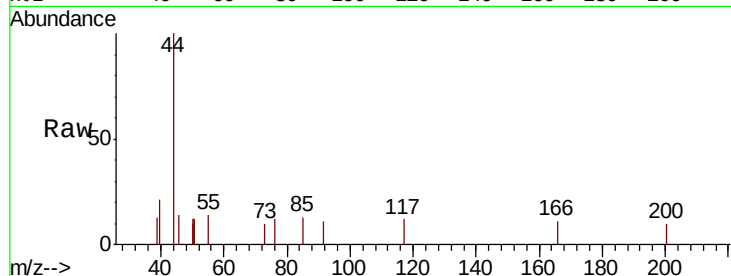




#79
2-Chlorotoluene
Concen: 2.474 ug/l
RT: 11.78 min Scan# 1141
Delta R.T. -0.03 min
Lab File: VF059706.D
Acq: 31 Jul 2018 13:47

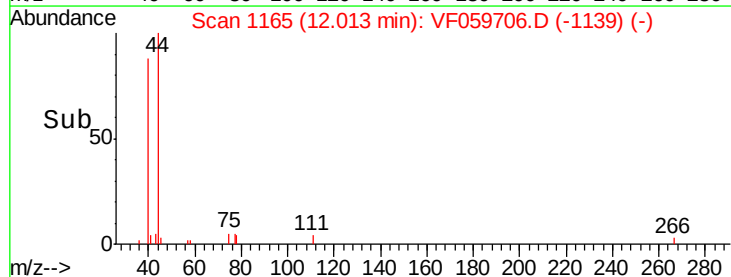
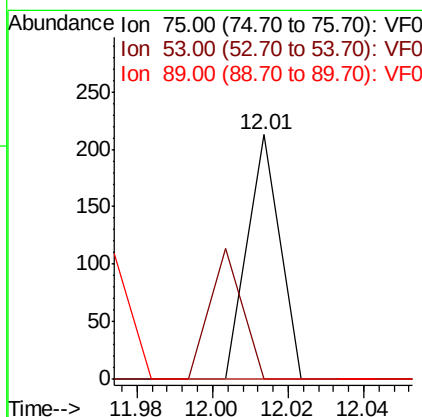
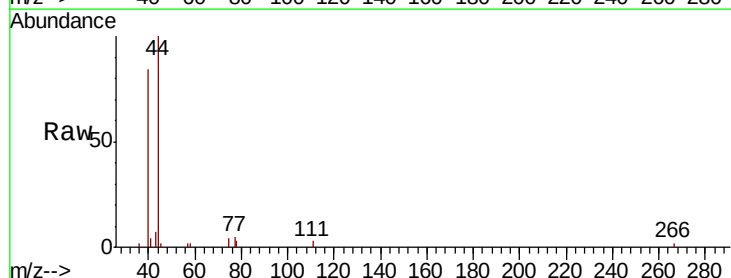
Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(85-87)

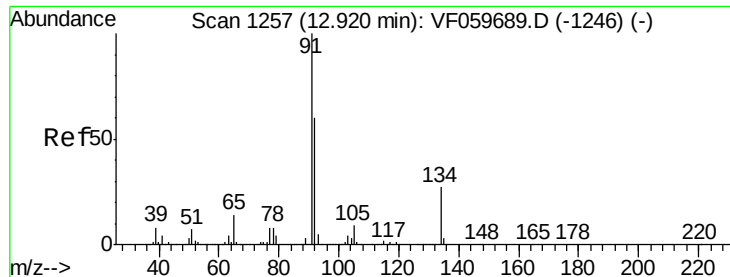
Tot Ion: 91 Resp: 65
Ion Ratio Lower Upper
91 100
126 0.0 15.4 46.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.404 ug/l
RT: 12.01 min Scan# 1165
Delta R.T. 0.06 min
Lab File: VF059706.D
Acq: 31 Jul 2018 13:47

Tgt Ion: 75 Resp: 126
Ion Ratio Lower Upper
75 100
53 0.0 78.3 117.5#
89 0.0 45.4 68.2#





#89

n-Butylbenzene

Concen: 1.271 ug/l

RT: 12.89 min Scan# 1254

Delta R.T. -0.03 min

Lab File: VF059706.D

Acq: 31 Jul 2018 13:47

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(85-87)

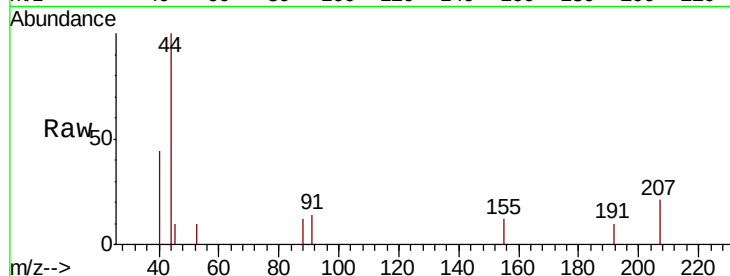
Tot Ion: 91 Resp: 88

Ion Ratio Lower Upper

91 100

92 0.0 30.1 90.3#

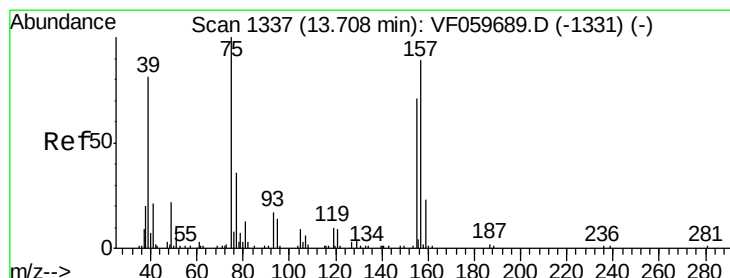
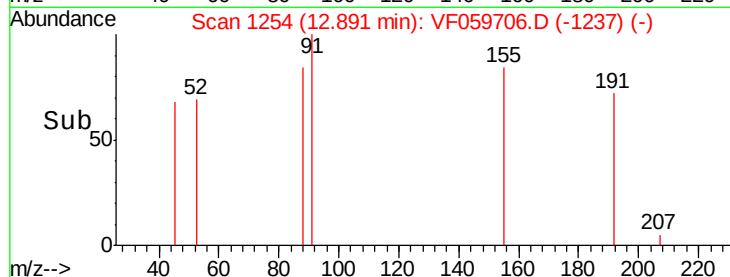
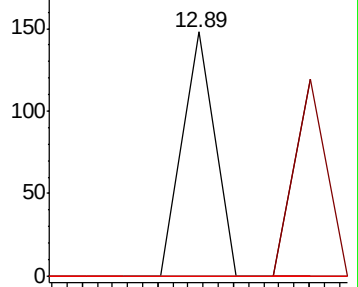
134 0.0 13.7 41.0#



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



#92

1,2-Dibromo-3-Chloropropane

Concen: 86.024 ug/l

RT: 13.76 min Scan# 1342

Delta R.T. 0.05 min

Lab File: VF059706.D

Acq: 31 Jul 2018 13:47

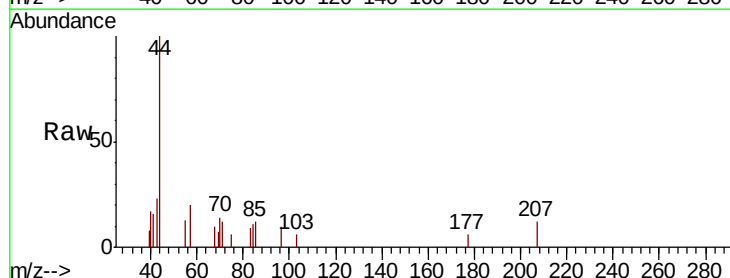
Tgt Ion: 75 Resp: 60

Ion Ratio Lower Upper

75 100

155 0.0 35.4 106.2#

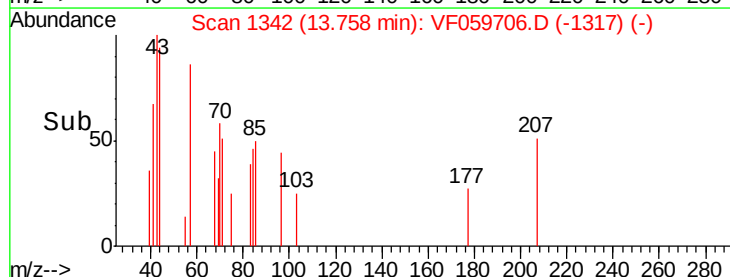
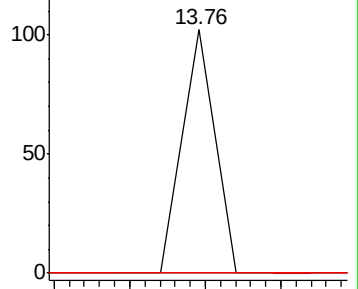
157 0.0 44.4 133.2#

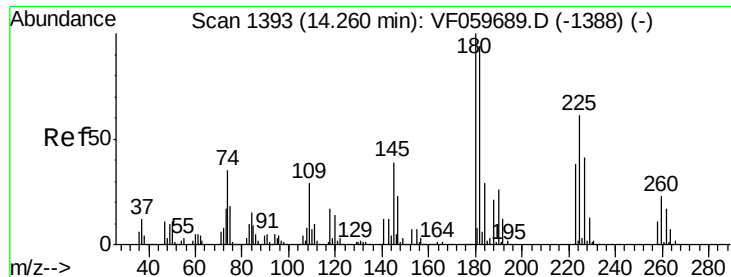


Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

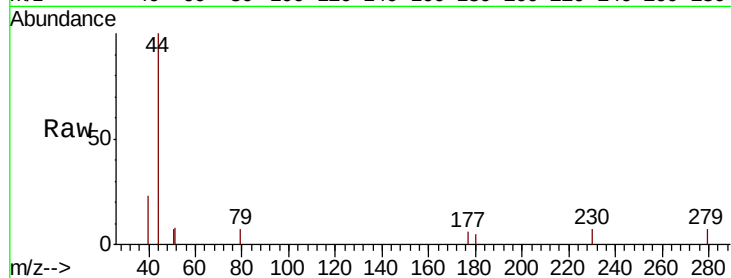




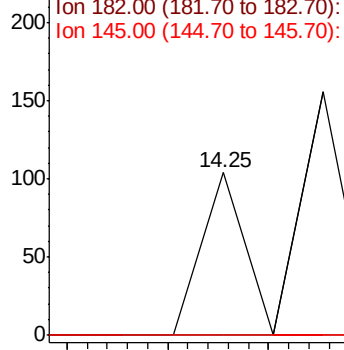
#93
 1,2,4-Trichlorobenzene
 Concen: 8.114 ug/l
 RT: 14.25 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: VF059706.D
 Acq: 31 Jul 2018 13:47

Instrument :
 MSVOA_F
 ClientSampleId :
 EPE-F-8(85-87)

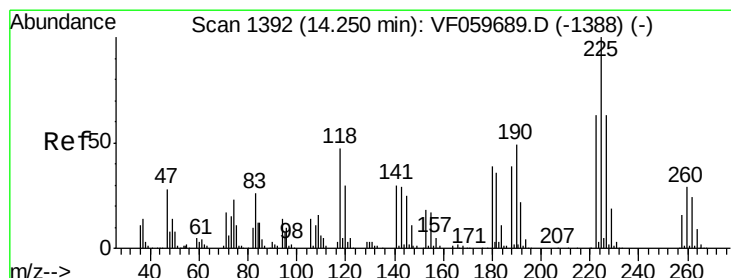
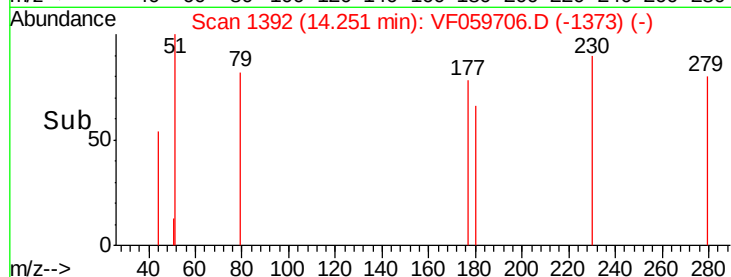
Tot Ion:180 Resp: 61
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.2 141.6#
 145 0.0 19.3 57.9#



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

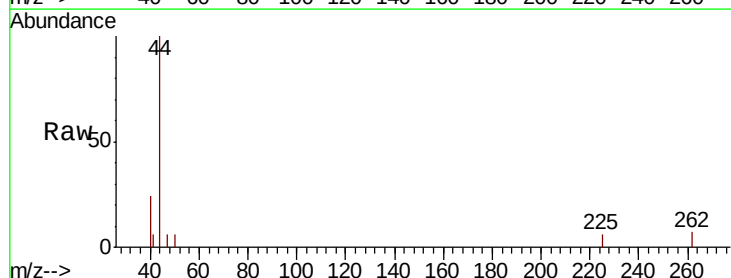


Time--> 14.22 14.24 14.26

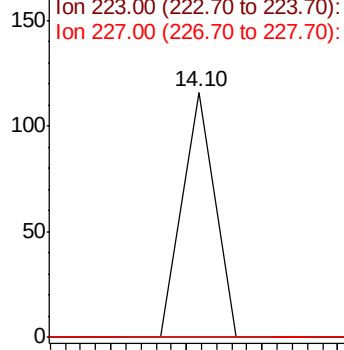


#94
 Hexachlorobutadiene
 Concen: 18.211 ug/l
 RT: 14.10 min Scan# 1377
 Delta R.T. -0.15 min
 Lab File: VF059706.D
 Acq: 31 Jul 2018 13:47

Tgt Ion:225 Resp: 69
 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



Time--> 14.08 14.10 14.12

