

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_F\DATA\VF062218\
 Data File : VF059284.D
 Acq On : 22 Jun 2018 20:05
 Operator : VA/AP
 Sample : J3602-01RE
 Misc : 5.13g/5mL/MSVOA-F/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 EPE-F-8(0-5)RE

Quant Time: Jun 23 04:37:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F062118S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 22 05:22:31 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.06	168	746	50.00	ug/l	0.02
34) 1,4-Difluorobenzene	6.00	114	64	50.00	ug/l	0.24
63) Chlorobenzene-d5	0.00	117	0	0.00	ug/l	-9.91
72) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ug/l	-12.63

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.99	65	134	12.51	ug/l	-0.03
Spiked Amount	50.000		Recovery	=	25.02%	
35) Dibromofluoromethane	4.30	113	150	278.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	557.14%	
50) Toluene-d8	0.00	98	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount	50.000		Recovery	=	0.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.08	85	64	7.369	ug/l #	44
3) Chloromethane	1.13	50	89	16.267	ug/l #	40
4) Vinyl Chloride	1.25	62	136	25.069	ug/l #	43
5) Bromomethane	1.17	94	59	15.446	ug/l #	72
6) Chloroethane	1.55	64	75	28.341	ug/l #	38
8) Diethyl Ether	1.78	74	67	28.020	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	1.81	101	70	11.808	ug/l #	19
11) Tert butyl alcohol	2.77	59	72	115.387	ug/l #	1
12) 1,1-Dichloroethene	1.89	96	137	25.913	ug/l #	1
13) Acrolein	2.07	56	174	359.626	ug/l #	10
14) Allyl chloride	2.19	41	153	15.677	ug/l #	1
15) Acrylonitrile	3.09	53	70	50.997	ug/l #	16
16) Acetone	2.37	43	157	62.034	ug/l #	64
18) Methyl Acetate	2.43	43	160	33.531	ug/l #	66
19) Methyl tert-butyl Ether	2.54	73	160	9.021	ug/l #	62
21) trans-1,2-Dichloroethene	2.44	96	101	18.299	ug/l #	1
22) Diisopropyl ether	3.01	45	68	3.358	ug/l #	36
23) Vinyl Acetate	3.35	43	92	7.104	ug/l #	80
24) 1,1-Dichloroethane	3.02	63	63	4.799	ug/l #	90
25) 2-Butanone	4.57	43	67	19.846	ug/l #	58
26) 2,2-Dichloropropane	3.78	77	160	17.490	ug/l #	64
27) cis-1,2-Dichloroethene	3.63	96	116	13.834	ug/l	1
28) Bromochloromethane	3.88	49	59	7.917	ug/l #	8
29) Tetrahydrofuran	4.30	42	140	92.358	ug/l #	37
31) Cyclohexane	3.83	56	144	15.936	ug/l #	18
32) 1,1,1-Trichloroethane	4.25	97	67	4.669	ug/l #	21
36) 1,1-Dichloropropene	4.69	75	70	104.077	ug/l #	44
37) Ethyl Acetate	4.46	43	334	777.184	ug/l #	11
38) Carbon Tetrachloride	4.37	117	68	82.309	ug/l #	12
39) Methylcyclohexane	5.83	83	85	141.225	ug/l #	16
40) Benzene	4.83	78	67	46.948	ug/l #	50
41) Methacrylonitrile	5.09	41	174	847.516	ug/l #	40
42) 1,2-Dichloroethane	5.35	62	63	76.634	ug/l	84
43) Isopropyl Acetate	7.43	43	232	440.548	ug/l #	47

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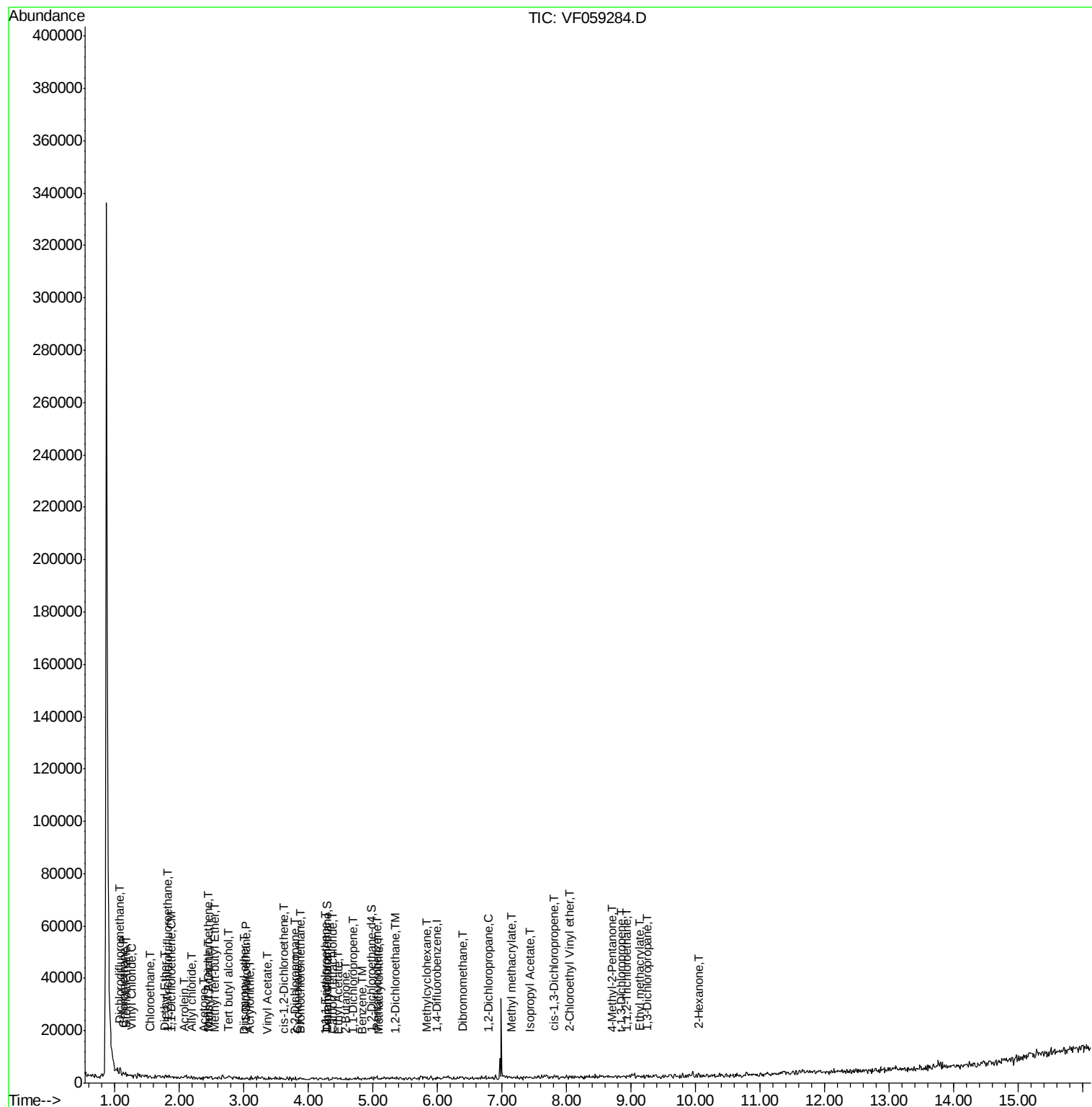
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,2-Dichloropropane	6.80	63	80	192.155	ug/l #	43
46) Dibromomethane	6.39	93	65	184.989	ug/l #	7
48) Methyl methacrylate	7.13	41	128	383.947	ug/l #	37
51) 4-Methyl-2-Pentanone	8.71	43	160	426.035	ug/l #	39
53) t-1,3-Dichloropropene	8.84	75	149	188.645	ug/l #	42
54) cis-1,3-Dichloropropene	7.80	75	151	181.072	ug/l #	80
55) 1,1,2-Trichloroethane	8.92	97	62	145.826	ug/l #	17
56) Ethyl methacrylate	9.14	69	84	172.796	ug/l #	1
57) 1,3-Dichloropropane	9.25	76	63	89.590	ug/l #	40
58) 2-Chloroethyl Vinyl ether	8.03	63	64	1646.272	ug/l	100
59) 2-Hexanone	10.05	43	129	433.257	ug/l #	30

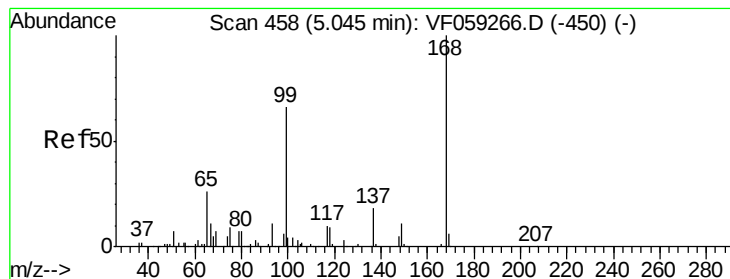
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.06 min Scan# 460

Delta R.T. 0.02 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

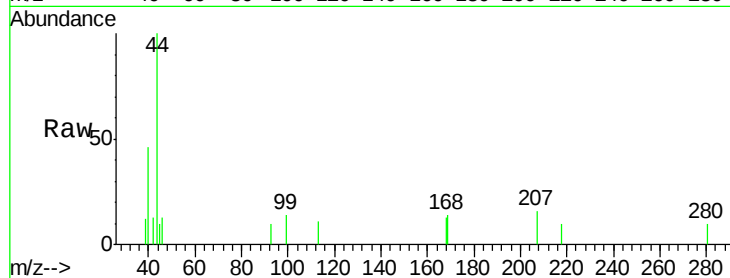
EPE-F-8(0-5)RE

Tgt Ion:168 Resp: 746

Ion Ratio Lower Upper

168 100

99 54.6 52.6 78.8



Abundance Ion 168.00 (167.70 to 168.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

5.06

250

200

150

100

50

0

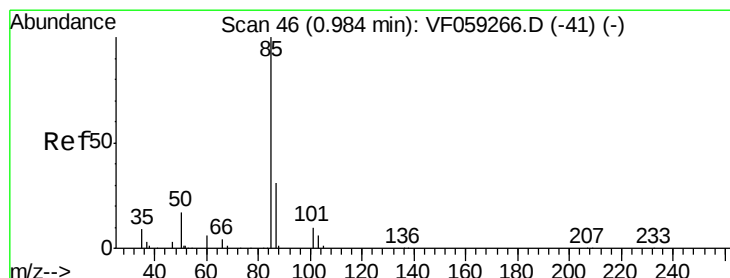
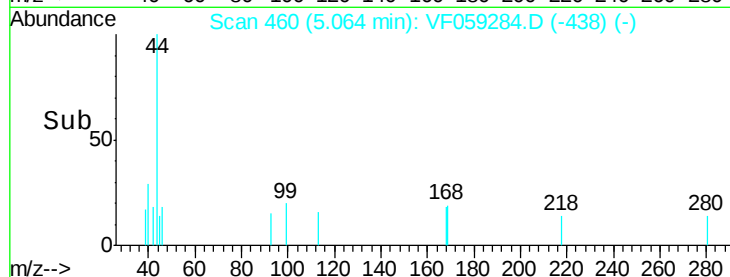
4.95

5.00

5.05

5.10

Time-->



#2

Dichlorodifluoromethane

Concen: 7.369 ug/l

RT: 1.08 min Scan# 56

Delta R.T. 0.10 min

Lab File: VF059284.D

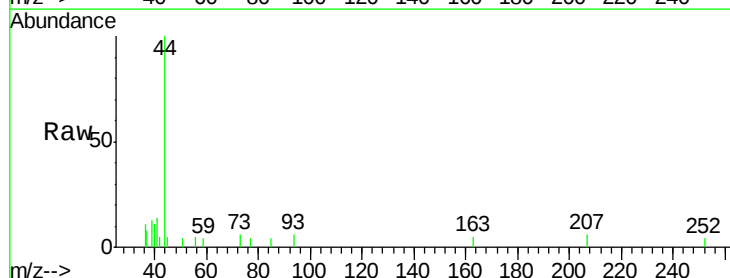
Acq: 22 Jun 2018 20:05

Tgt Ion: 85 Resp: 64

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.7#



Abundance Ion 85.00 (84.70 to 85.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

1.08

120

100

80

60

40

20

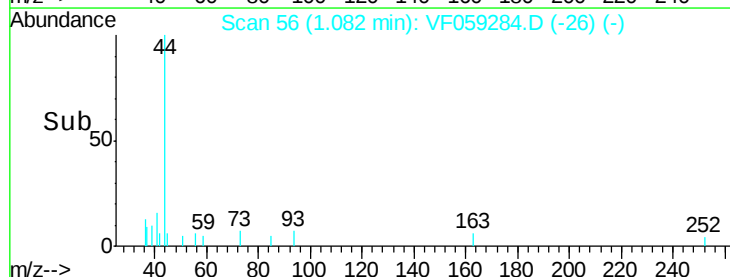
0

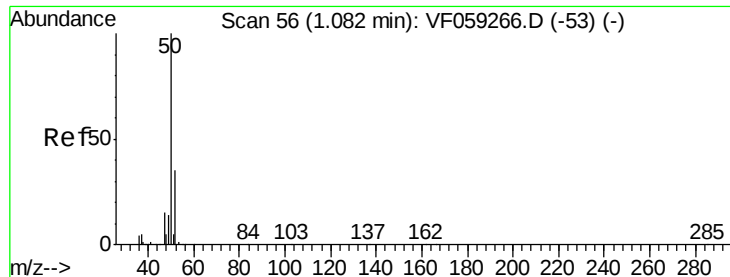
1.06

1.08

1.10

Time-->





#3

Chloromethane

Concen: 16.267 ug/l

RT: 1.13 min Scan# 61

Delta R.T. 0.05 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

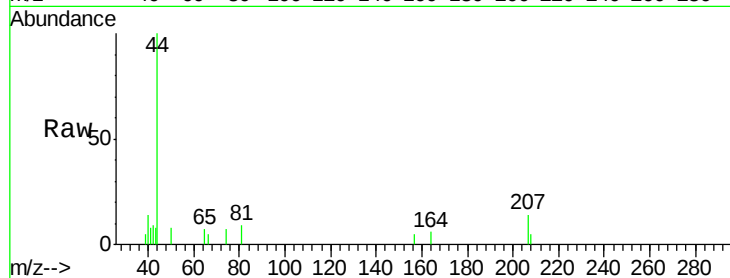
EPE-F-8(0-5)RE

Tgt Ion: 50 Resp: 89

Ion Ratio Lower Upper

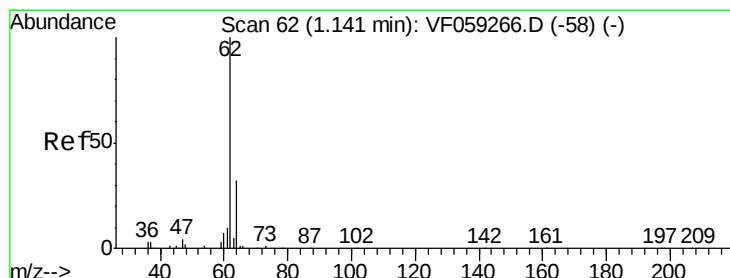
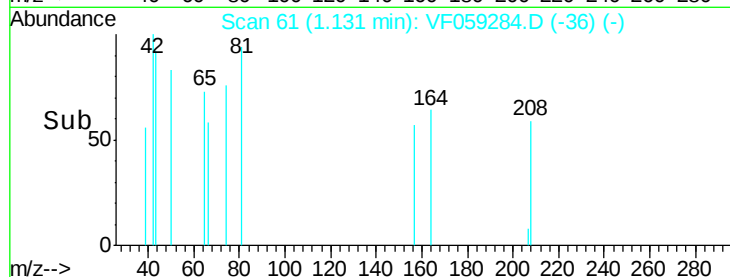
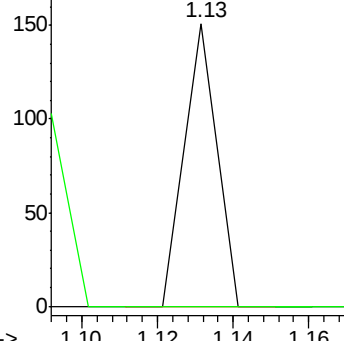
50 100

52 0.0 27.7 41.5#



Abundance Ion 50.00 (49.70 to 50.70): VF0

Ion 52.00 (51.70 to 52.70): VF0



#4

Vinyl Chloride

Concen: 25.069 ug/l

RT: 1.25 min Scan# 73

Delta R.T. 0.11 min

Lab File: VF059284.D

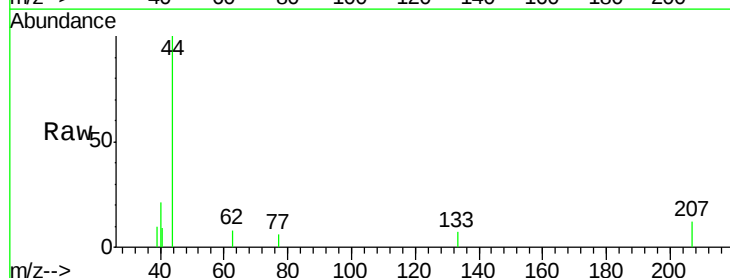
Acq: 22 Jun 2018 20:05

Tgt Ion: 62 Resp: 136

Ion Ratio Lower Upper

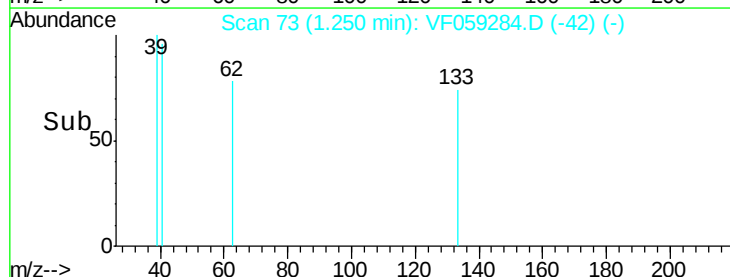
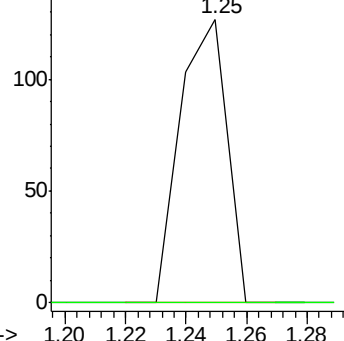
62 100

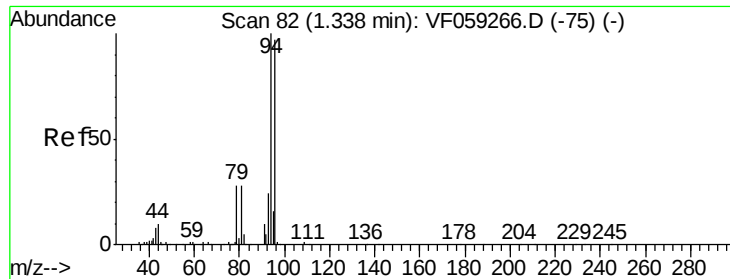
64 0.0 25.7 38.5#



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 64.00 (63.70 to 64.70): VF0





#5

Bromomethane

Concen: 15.446 ug/l

RT: 1.17 min Scan# 65

Delta R.T. -0.17 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

Instrument :

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ClientSampleId :

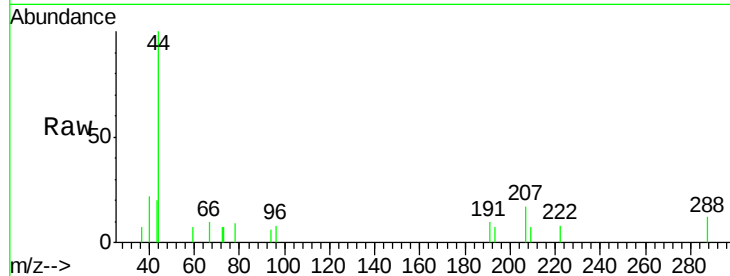
EPE-F-8(0-5)RE

Tgt Ion: 94 Resp: 59

Ion Ratio Lower Upper

94 100

96 125.0 77.7 116.5#



Abundance Ion 94.00 (93.70 to 94.70): VF0

Ion 96.00 (95.70 to 96.70): VF0

150

100

50

0

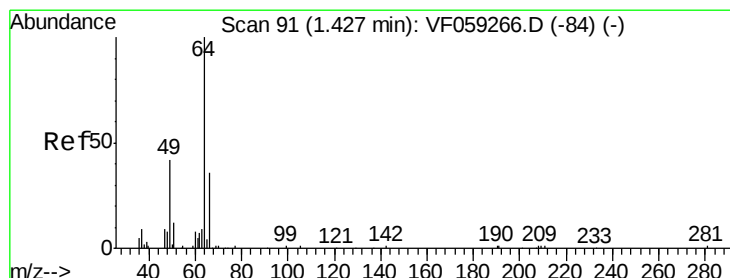
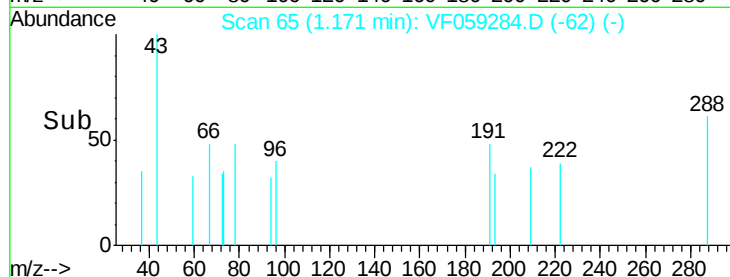
1.16

1.17

1.18

1.20

Time-->



#6

Chloroethane

Concen: 28.341 ug/l

RT: 1.55 min Scan# 103

Delta R.T. 0.12 min

Lab File: VF059284.D

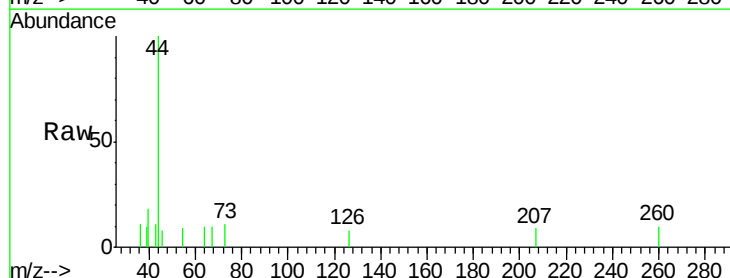
Acq: 22 Jun 2018 20:05

Tgt Ion: 64 Resp: 75

Ion Ratio Lower Upper

64 100

66 0.0 29.4 44.2#



Abundance Ion 64.00 (63.70 to 64.70): VF0

Ion 66.00 (65.70 to 66.70): VF0

150

100

50

0

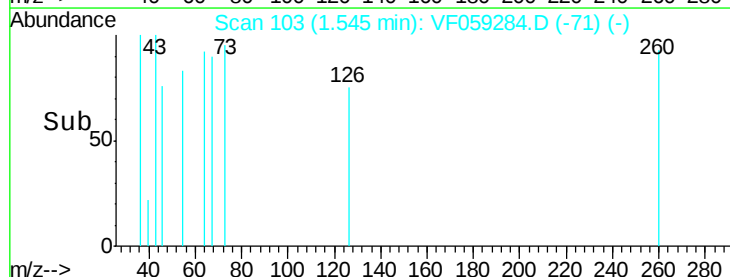
1.52

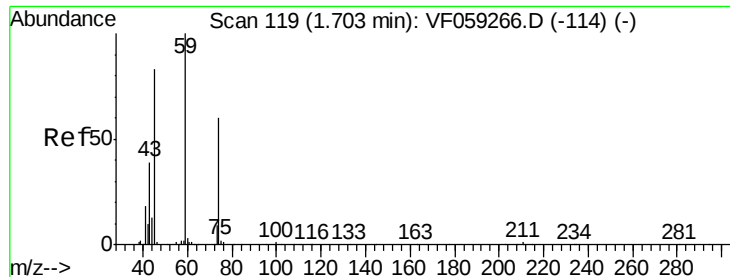
1.54

1.55

1.56

Time-->





#8

Diethyl Ether

Concen: 28.020 ug/l

RT: 1.78 min Scan# 127

Delta R.T. 0.08 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

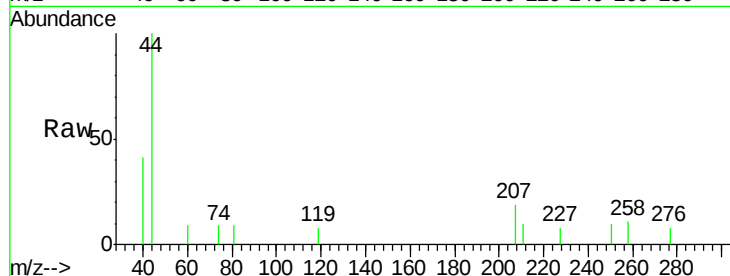
EPE-F-8(0-5)RE

Tgt Ion: 74 Resp: 67

Ion Ratio Lower Upper

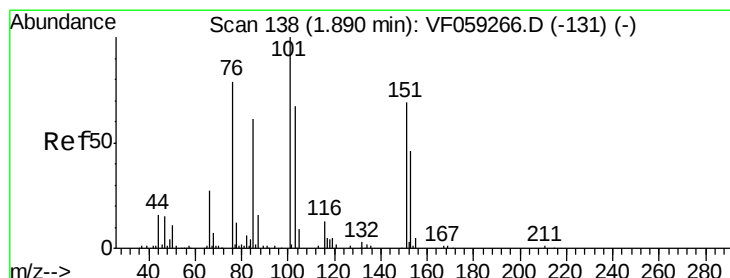
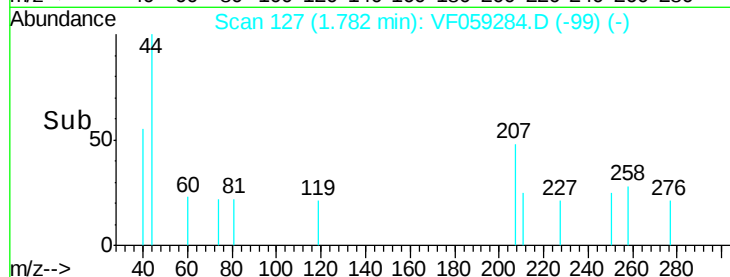
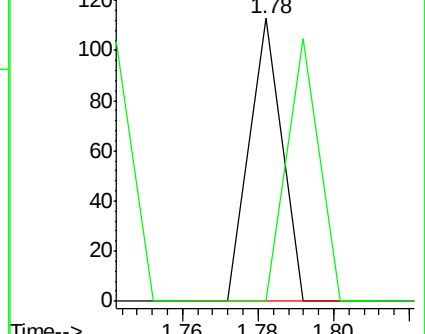
74 100

45 0.0 69.2 207.4#



Abundance Ion 74.00 (73.70 to 74.70): VF0

Ion 45.00 (44.70 to 45.70): VF0



#9

1,1,2-Trichlorotrifluoroethane

Concen: 11.808 ug/l

RT: 1.81 min Scan# 130

Delta R.T. -0.08 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

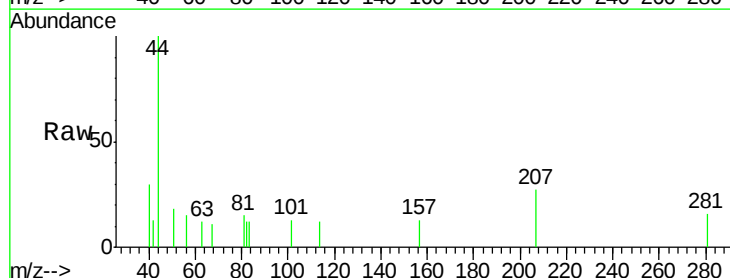
Tgt Ion: 101 Resp: 70

Ion Ratio Lower Upper

101 100

85 0.0 47.2 70.8#

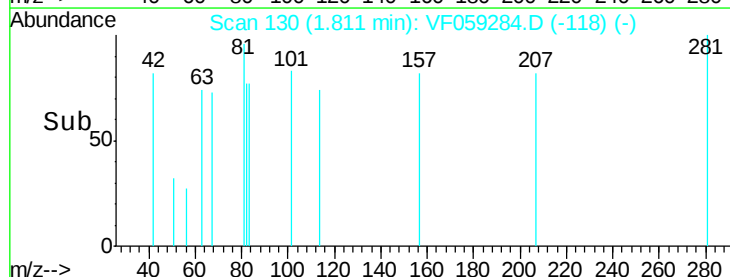
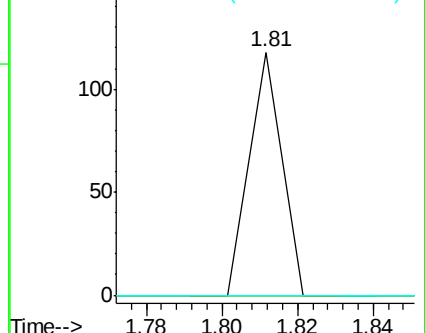
151 0.0 53.3 79.9#

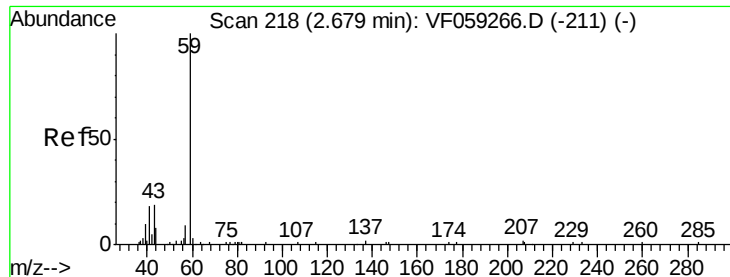


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VF0

Ion 151.00 (150.70 to 151.70): V

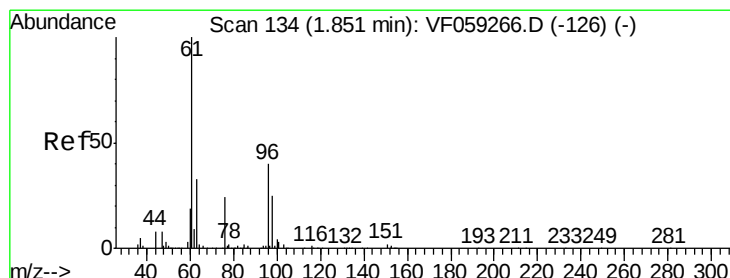
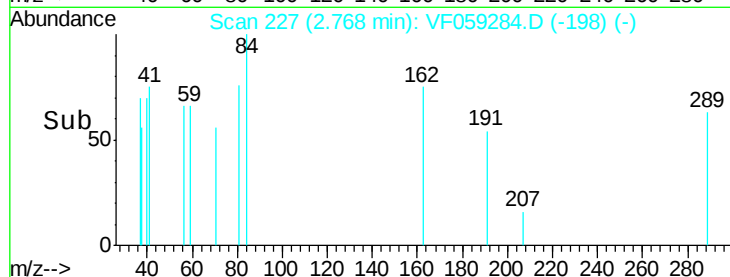
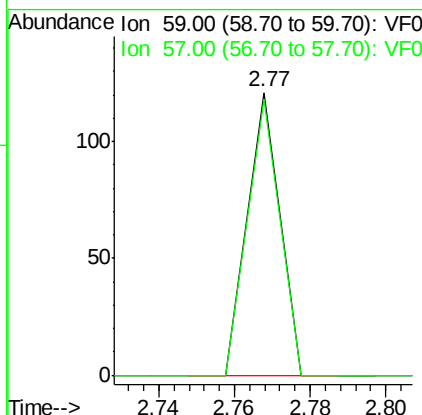
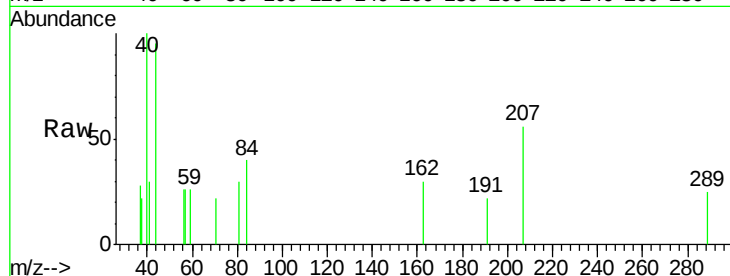




#11
Tert butyl alcohol
Concen: 115.387 ug/l
RT: 2.77 min Scan# 227
Delta R.T. 0.09 min
Lab File: VF059284.D
Acq: 22 Jun 2018 20:05

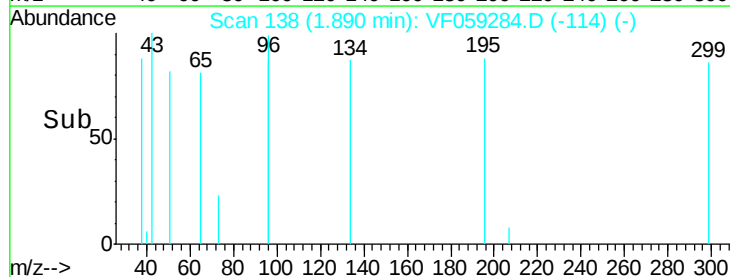
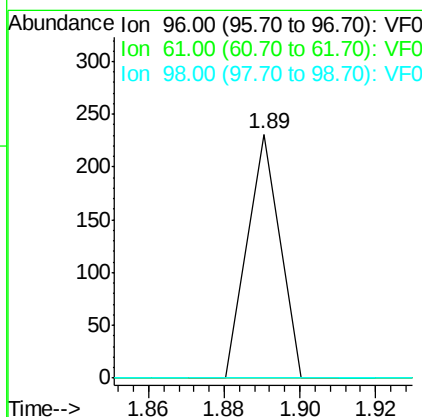
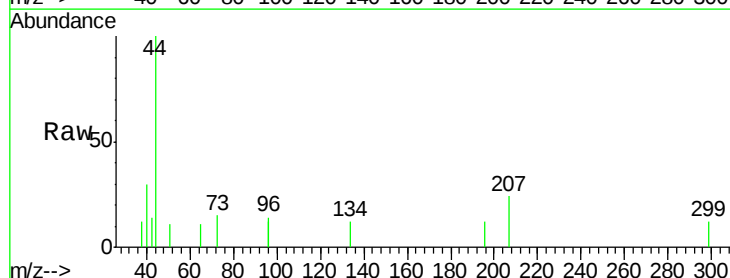
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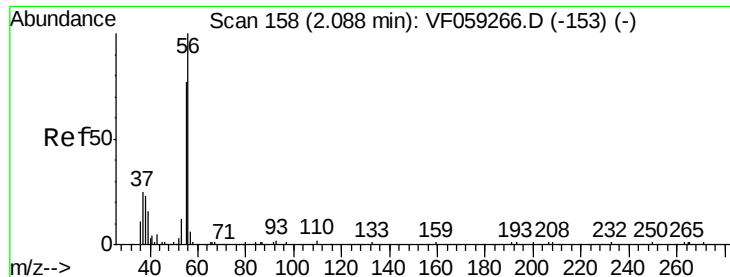
Tgt Ion: 59 Resp: 72
Ion Ratio Lower Upper
59 100
57 97.5 9.2 13.8#



#12
1,1-Dichloroethene
Concen: 25.913 ug/l
RT: 1.89 min Scan# 138
Delta R.T. 0.04 min
Lab File: VF059284.D
Acq: 22 Jun 2018 20:05

Tgt Ion: 96 Resp: 137
Ion Ratio Lower Upper
96 100
61 0.0 201.4 302.2#
98 0.0 50.0 75.0#





#13

Acrolein

Concen: 359.626 ug/l

RT: 2.07 min Scan# 156

Delta R.T. -0.02 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

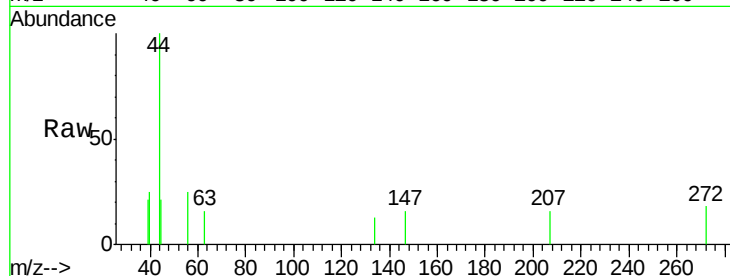
EPE-F-8(0-5)RE

Tgt Ion: 56 Resp: 174

Ion Ratio Lower Upper

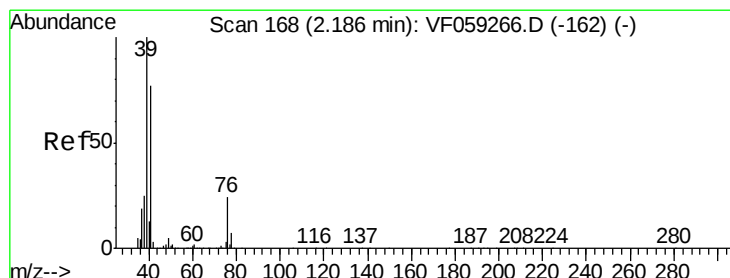
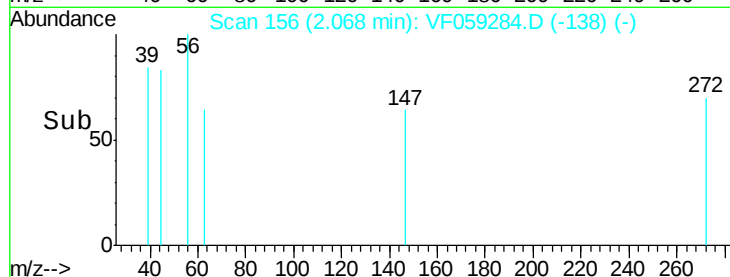
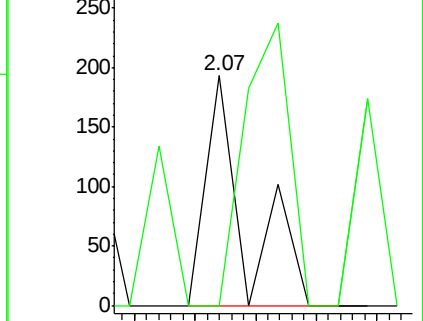
56 100

55 0.0 63.0 94.6#



Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 55.00 (54.70 to 55.70): VF0



#14

Allyl chloride

Concen: 15.677 ug/l

RT: 2.19 min Scan# 168

Delta R.T. -0.00 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

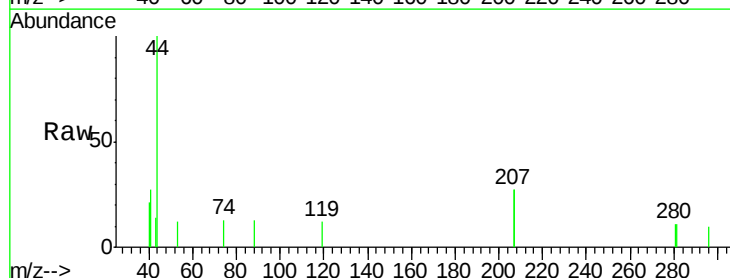
Tgt Ion: 41 Resp: 153

Ion Ratio Lower Upper

41 100

39 0.0 103.8 155.6#

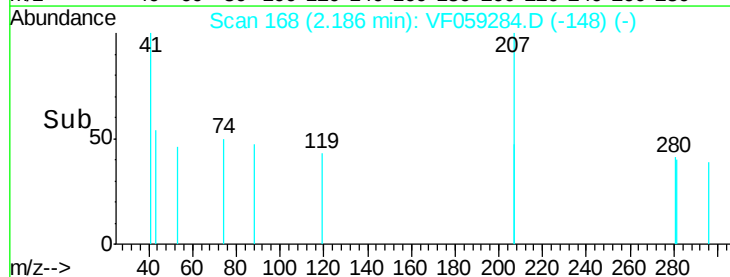
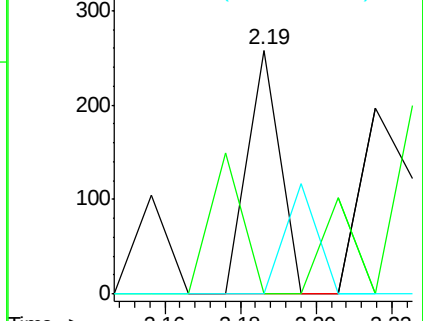
76 0.0 25.0 37.6#

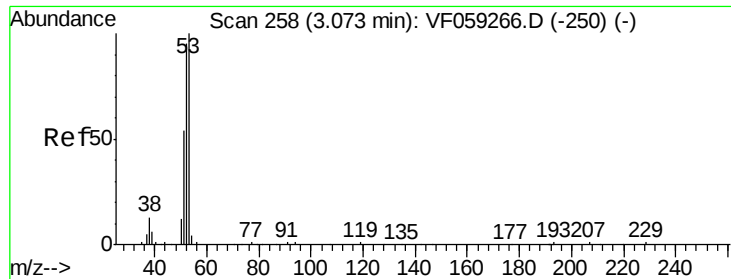


Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 76.00 (75.70 to 76.70): VF0





#15

Acrylonitrile

Concen: 50.997 ug/l

RT: 3.09 min Scan# 260

Delta R.T. 0.02 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(0-5)RE

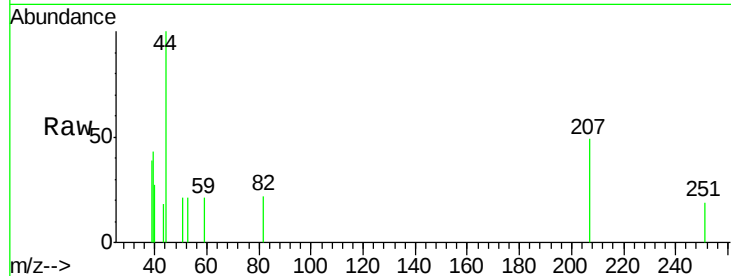
Tgt Ion: 53 Resp: 70

Ion Ratio Lower Upper

53 100

52 0.0 75.7 113.5#

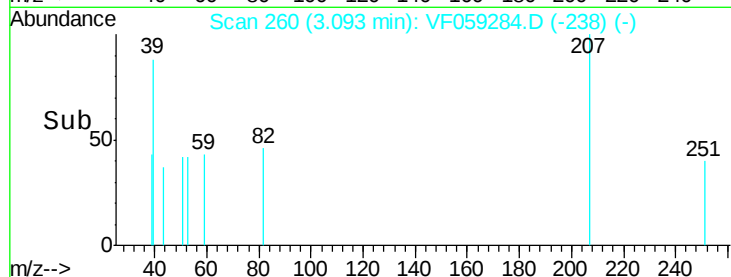
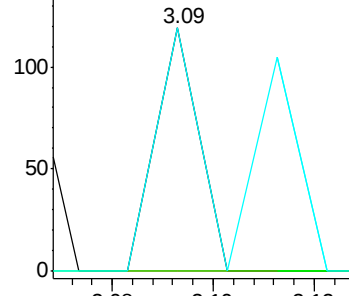
51 100.0 44.5 66.7#



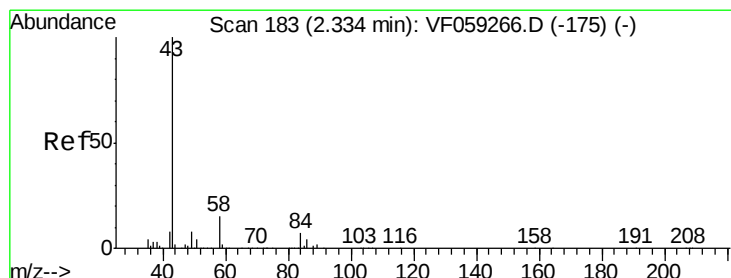
Abundance Ion 53.00 (52.70 to 53.70): VF0

Ion 52.00 (51.70 to 52.70): VF0

Ion 51.00 (50.70 to 51.70): VF0



Time-->



#16

Acetone

Concen: 62.034 ug/l

RT: 2.37 min Scan# 187

Delta R.T. 0.04 min

Lab File: VF059284.D

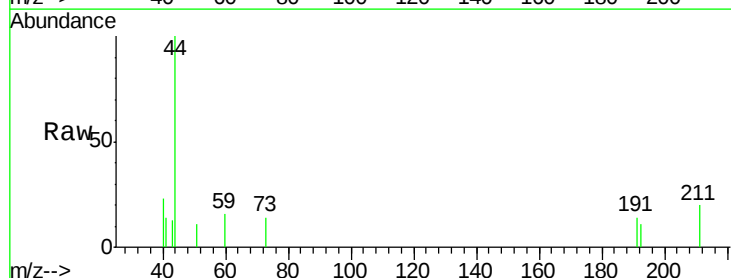
Acq: 22 Jun 2018 20:05

Tgt Ion: 43 Resp: 157

Ion Ratio Lower Upper

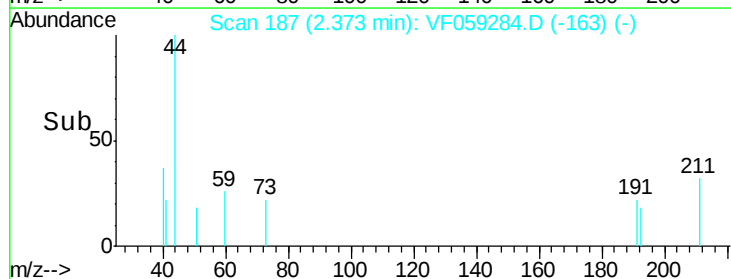
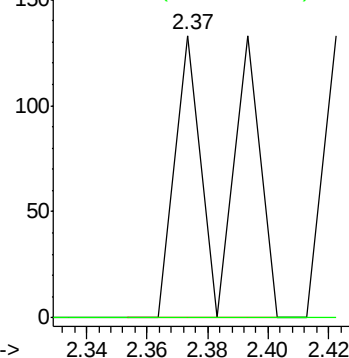
43 100

58 0.0 12.1 18.1#

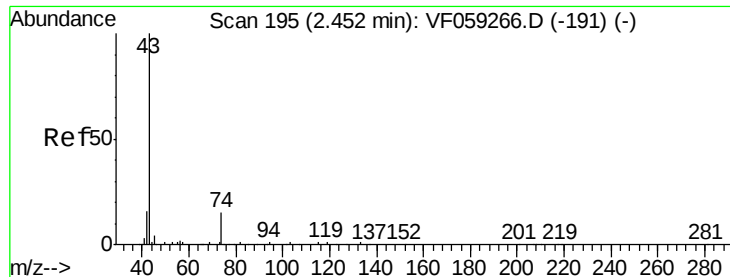


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



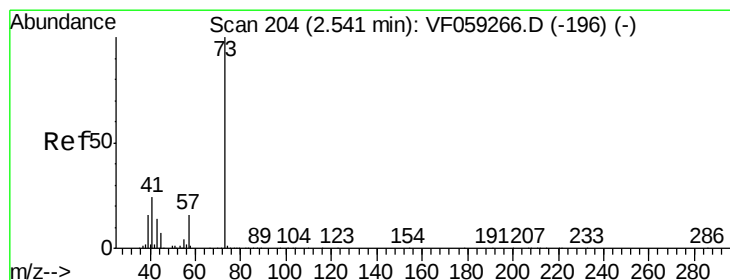
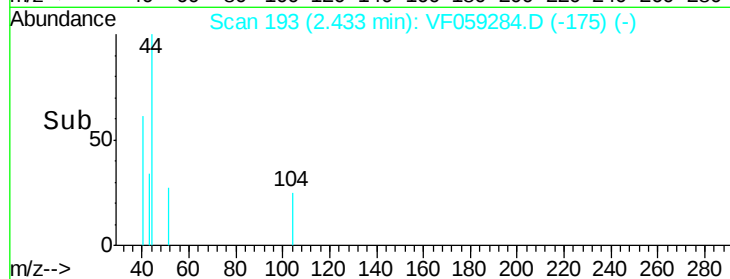
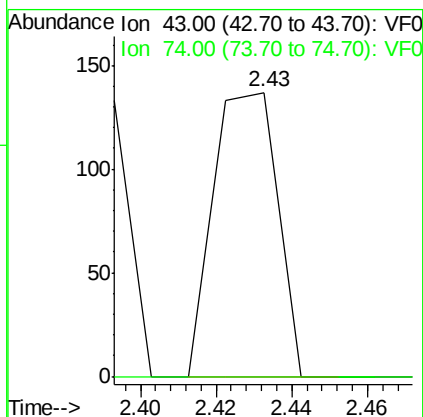
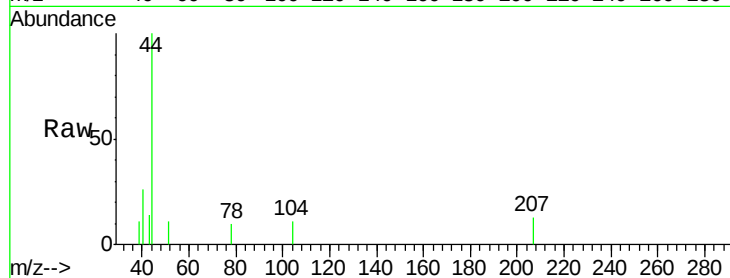
Time-->



#18
Methyl Acetate
Concen: 33.531 ug/l
RT: 2.43 min Scan# 193
Delta R.T. -0.02 min
Lab File: VF059284.D
Acq: 22 Jun 2018 20:05

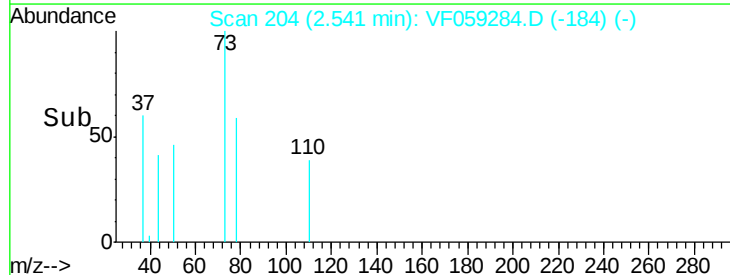
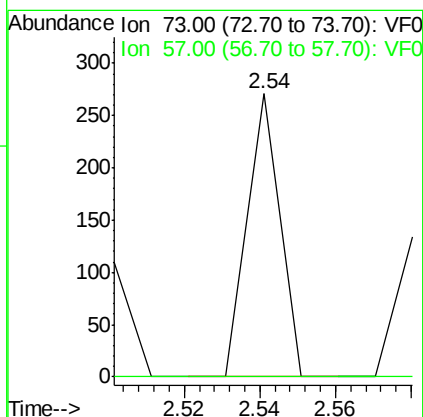
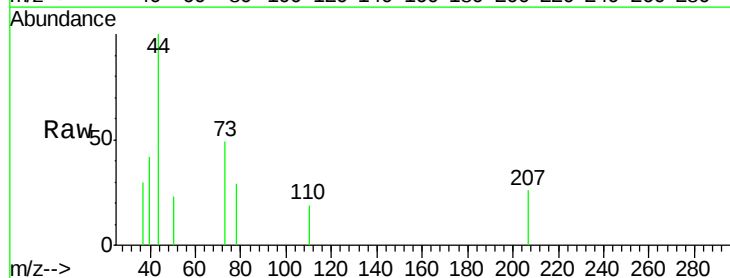
Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(0-5)RE

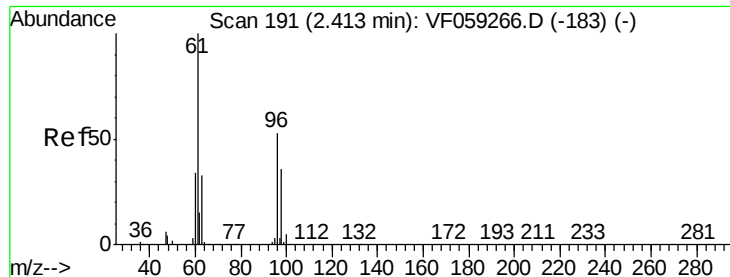
Tgt Ion: 43 Resp: 160
Ion Ratio Lower Upper
43 100
74 0.0 11.0 16.4#



#19
Methyl tert-butyl Ether
Concen: 9.021 ug/l
RT: 2.54 min Scan# 204
Delta R.T. -0.00 min
Lab File: VF059284.D
Acq: 22 Jun 2018 20:05

Tgt Ion: 73 Resp: 160
Ion Ratio Lower Upper
73 100
57 0.0 13.0 19.4#





#21

trans-1,2-Dichloroethene

Concen: 18.299 ug/l

RT: 2.44 min Scan# 194

Delta R.T. 0.03 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(0-5)RE

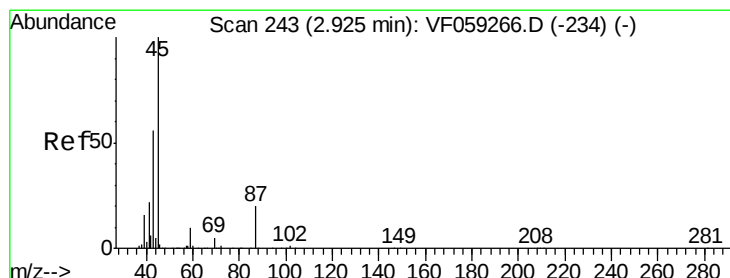
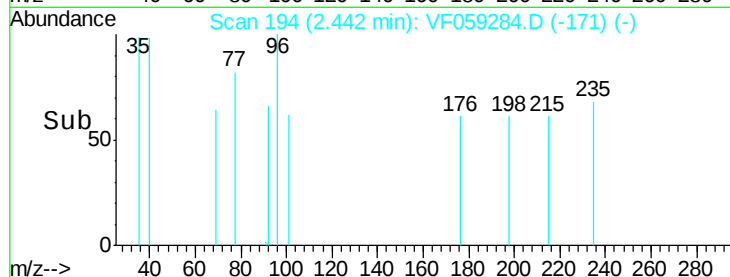
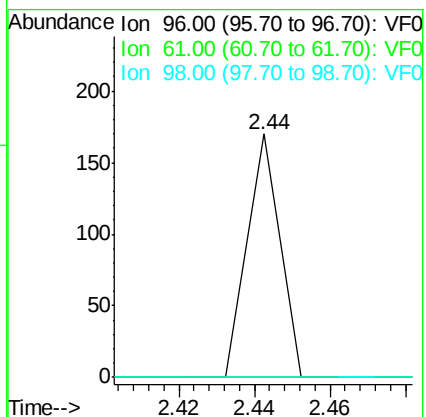
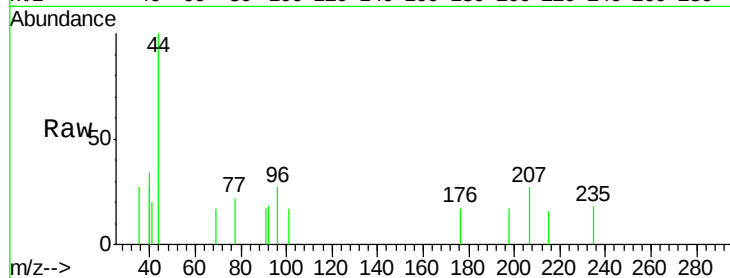
Tgt Ion: 96 Resp: 101

Ion Ratio Lower Upper

96 100

61 0.0 151.2 226.8#

98 0.0 54.2 81.2#



#22

Diisopropyl ether

Concen: 3.358 ug/l

RT: 3.01 min Scan# 252

Delta R.T. 0.09 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

Tgt Ion: 45 Resp: 68

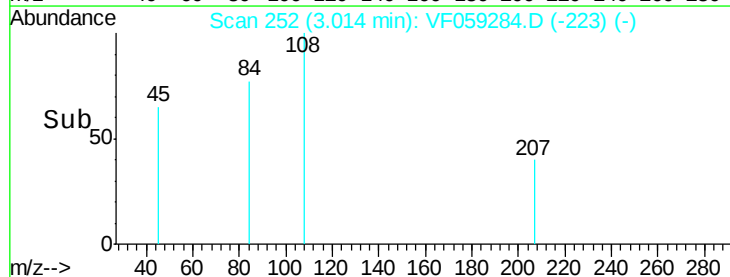
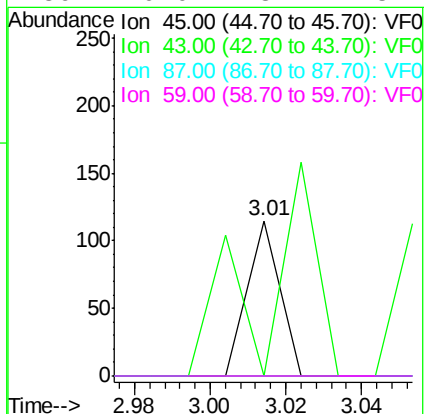
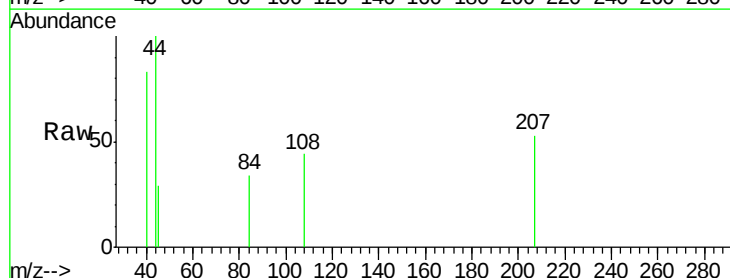
Ion Ratio Lower Upper

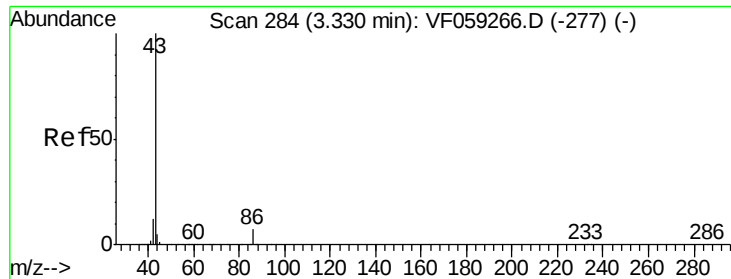
45 100

43 0.0 45.8 68.6#

87 0.0 15.7 23.5#

59 0.0 8.7 13.1#





#23

Vinyl Acetate

Concen: 7.104 ug/l

RT: 3.35 min Scan# 286

Delta R.T. 0.02 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

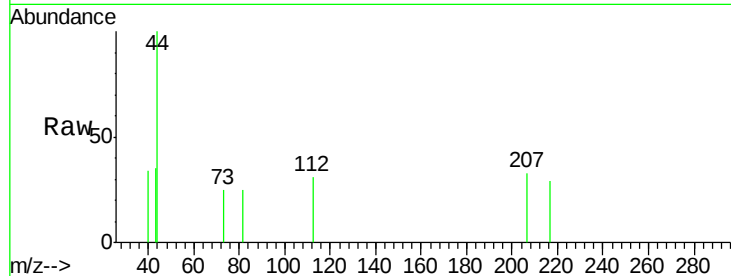
EPE-F-8(0-5)RE

Tgt Ion: 43 Resp: 92

Ion Ratio Lower Upper

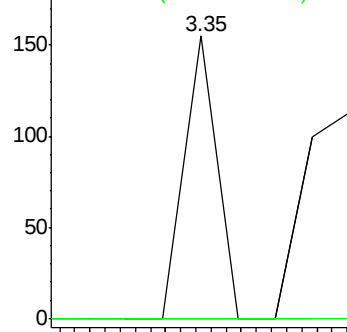
43 100

86 0.0 5.4 8.2#

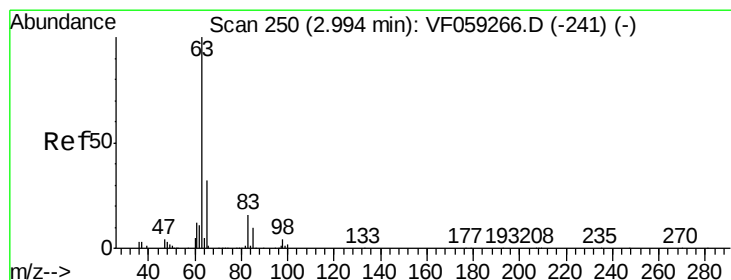
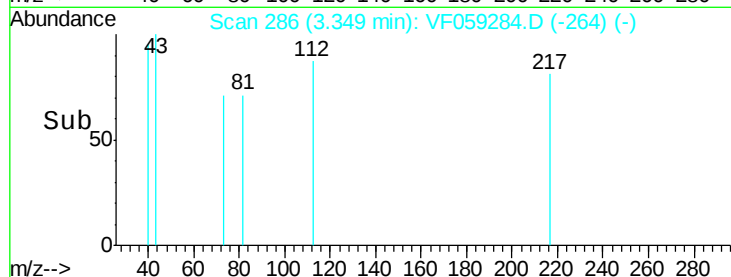


Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 86.00 (85.70 to 86.70): VF0



Time-->



#24

1,1-Dichloroethane

Concen: 4.799 ug/l

RT: 3.02 min Scan# 253

Delta R.T. 0.03 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

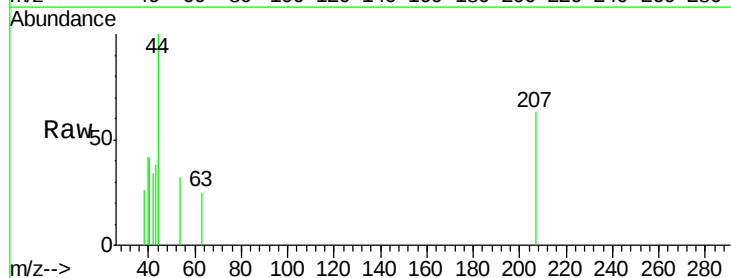
Tgt Ion: 63 Resp: 63

Ion Ratio Lower Upper

63 100

98 0.0 2.0 5.8#

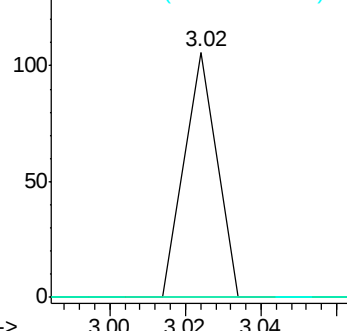
100 0.0 1.1 3.1#



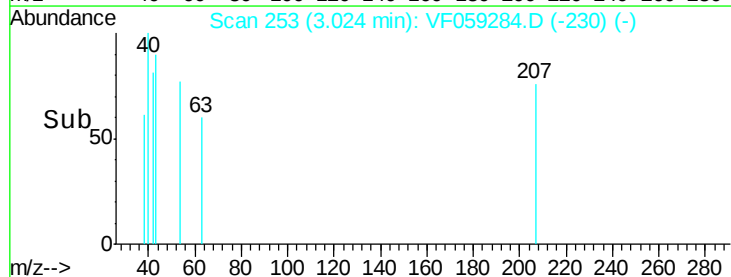
Abundance Ion 63.00 (62.70 to 63.70): VF0

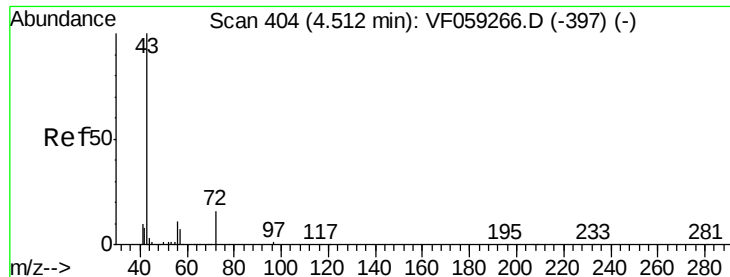
Ion 98.00 (97.70 to 98.70): VF0

Ion 100.00 (99.70 to 100.70): VF0



Time-->





#25

2-Butanone

Concen: 19.846 ug/l

RT: 4.57 min Scan# 410

Delta R.T. 0.06 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

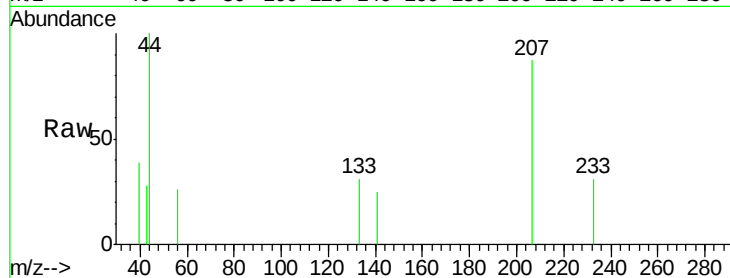
EPE-F-8(0-5)RE

Tgt Ion: 43 Resp: 67

Ion Ratio Lower Upper

43 100

72 0.0 15.2 22.8#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 72.00 (71.70 to 72.70): VF0

4.57

120

100

80

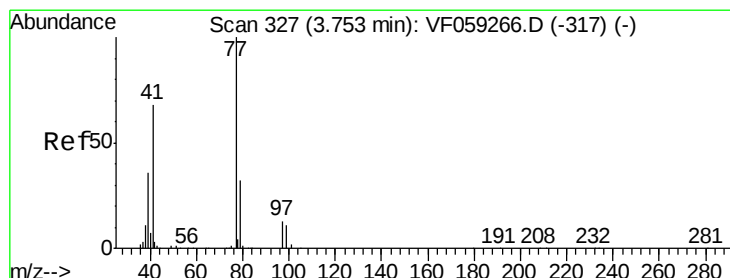
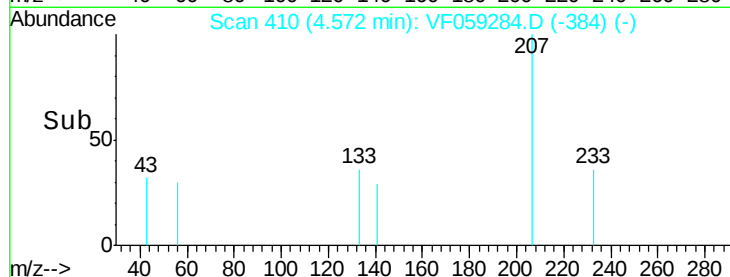
60

40

20

0

Time-->



#26

2,2-Dichloropropane

Concen: 17.490 ug/l

RT: 3.78 min Scan# 330

Delta R.T. 0.03 min

Lab File: VF059284.D

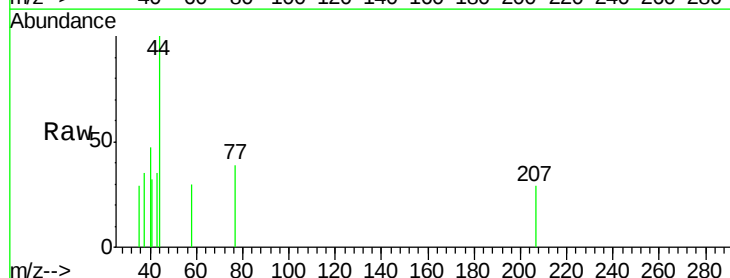
Acq: 22 Jun 2018 20:05

Tgt Ion: 77 Resp: 160

Ion Ratio Lower Upper

77 100

97 0.0 7.6 22.8#



Abundance Ion 77.00 (76.70 to 77.70): VF0

Ion 97.00 (96.70 to 97.70): VF0

3.78

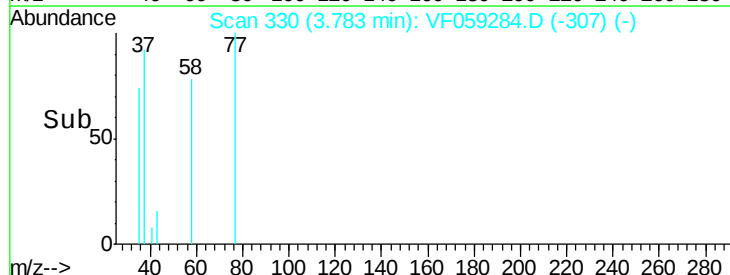
150

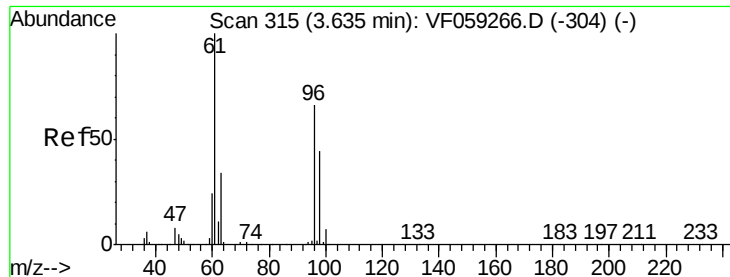
100

50

0

Time-->



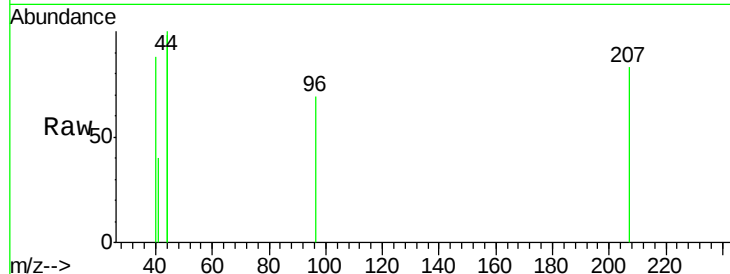


#27

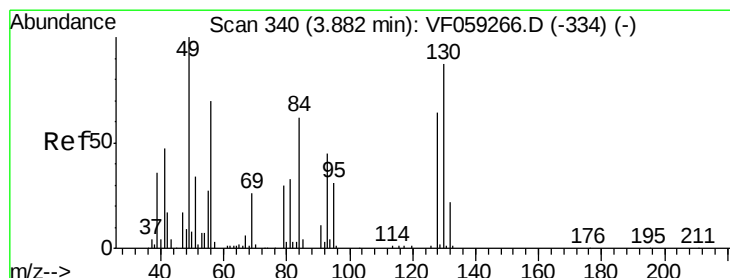
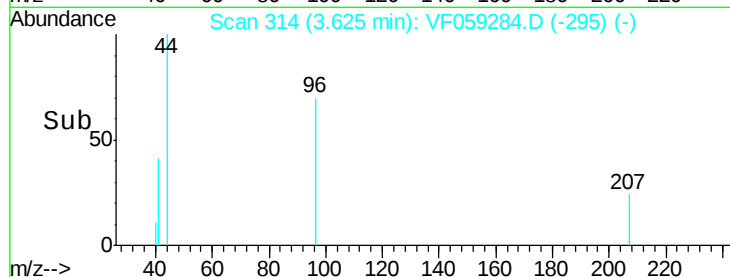
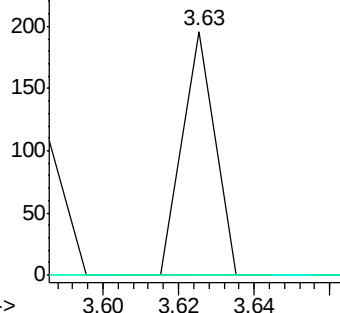
cis-1,2-Dichloroethene
Concen: 13.834 ug/l
RT: 3.63 min Scan# 314
Delta R.T. -0.01 min
Lab File: VF059284.D
Acq: 22 Jun 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(0-5)RE

Tgt Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	305.0
98	0.0	0.0	134.0



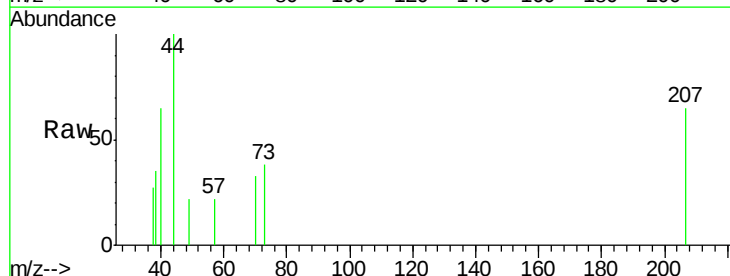
Abundance Ion 96.00 (95.70 to 96.70): VF0
Ion 61.00 (60.70 to 61.70): VF0
Ion 98.00 (97.70 to 98.70): VF0



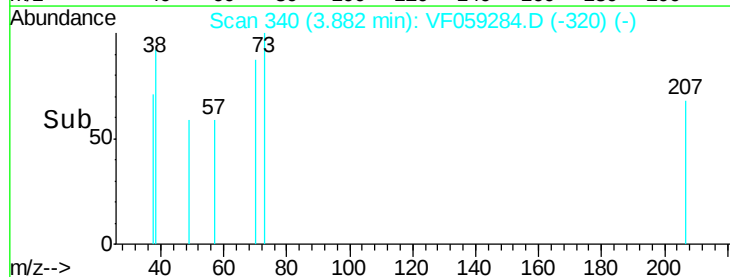
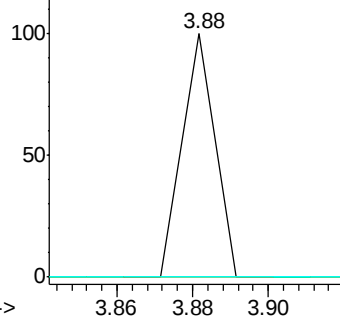
#28

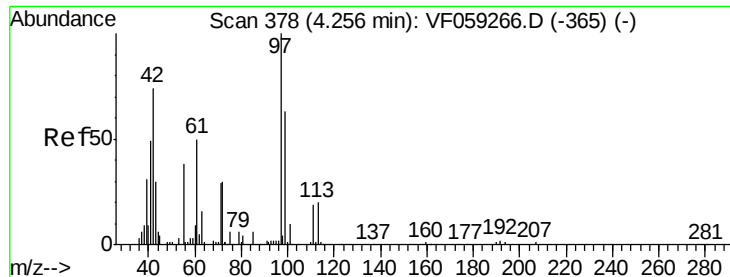
Bromochloromethane
Concen: 7.917 ug/l
RT: 3.88 min Scan# 340
Delta R.T. 0.00 min
Lab File: VF059284.D
Acq: 22 Jun 2018 20:05

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	69.4	104.2#



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: 92.358 ug/l

RT: 4.30 min Scan# 382

Delta R.T. 0.04 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(0-5)RE

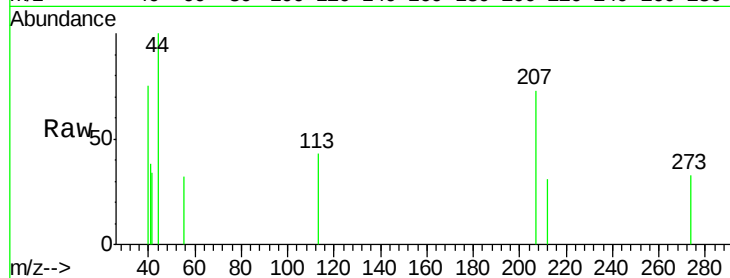
Tgt Ion: 42 Resp: 140

Ion Ratio Lower Upper

42 100

72 0.0 31.2 46.8#

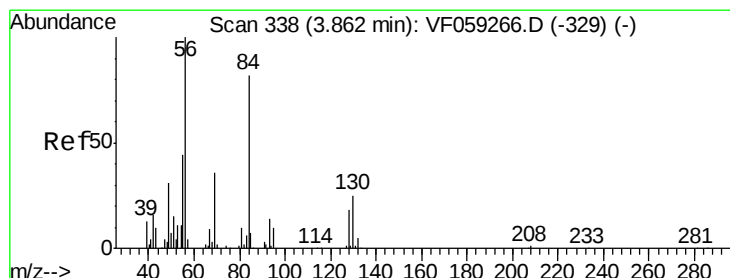
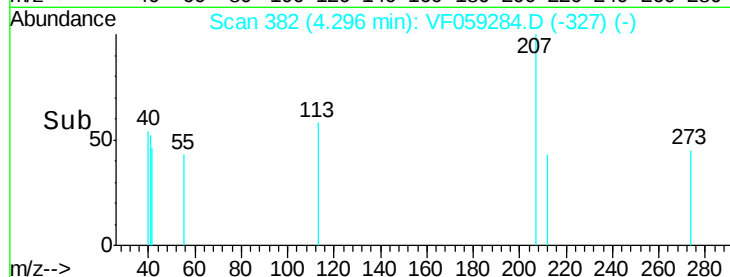
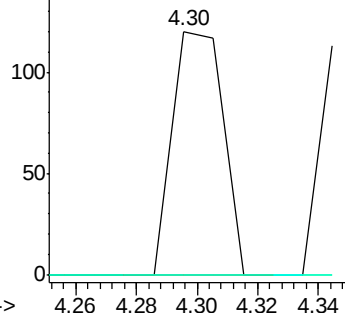
71 0.0 30.2 45.2#



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: 15.936 ug/l

RT: 3.83 min Scan# 335

Delta R.T. -0.03 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

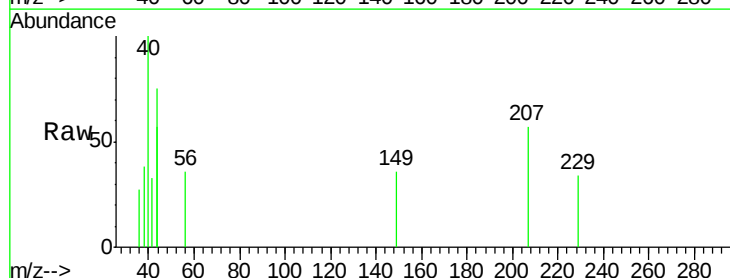
Tgt Ion: 56 Resp: 144

Ion Ratio Lower Upper

56 100

69 0.0 28.6 43.0#

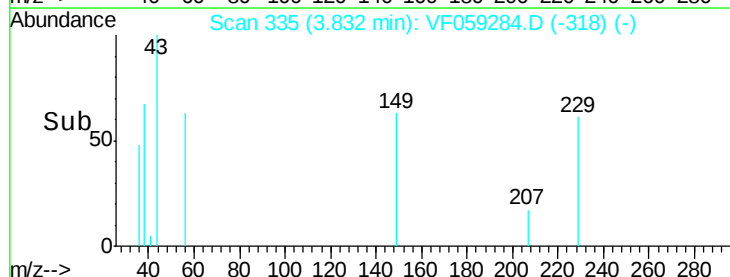
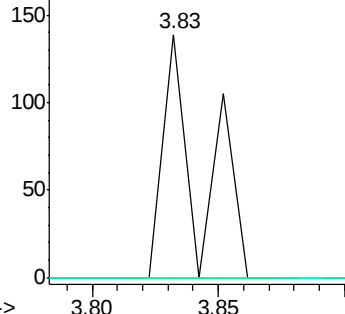
84 0.0 65.8 98.6#

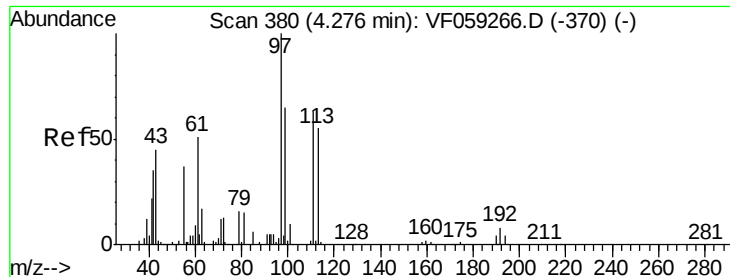


Abundance Ion 56.00 (55.70 to 56.70): VF0

Ion 69.00 (68.70 to 69.70): VF0

Ion 84.00 (83.70 to 84.70): VF0





#32

1,1,1-Trichloroethane

Concen: 4.669 ug/l

RT: 4.25 min Scan# 377

Delta R.T. -0.03 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(0-5)RE

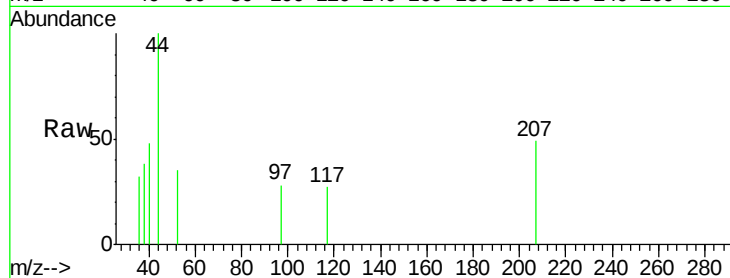
Tgt Ion: 97 Resp: 67

Ion Ratio Lower Upper

97 100

99 0.0 52.4 78.6#

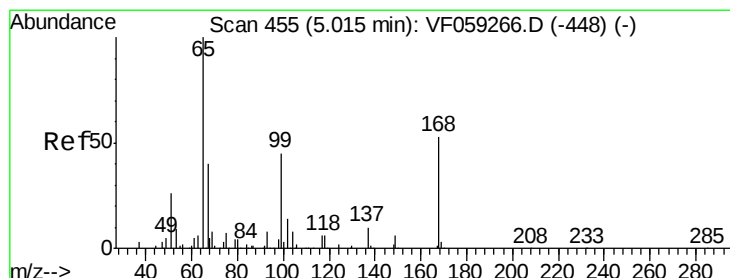
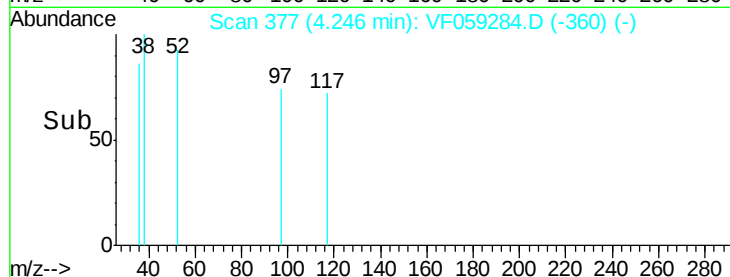
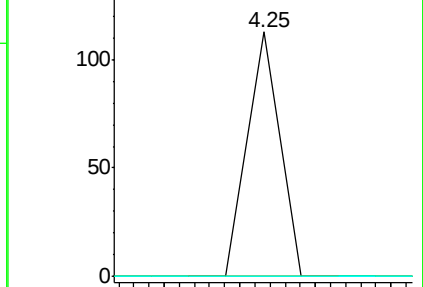
61 0.0 40.9 61.3#



Abundance Ion 97.00 (96.70 to 97.70): VF0

Ion 99.00 (98.70 to 99.70): VF0

Ion 61.00 (60.70 to 61.70): VF0



#33

1,2-Dichloroethane-d4

Concen: 12.514 ug/l

RT: 4.99 min Scan# 452

Delta R.T. -0.03 min

Lab File: VF059284.D

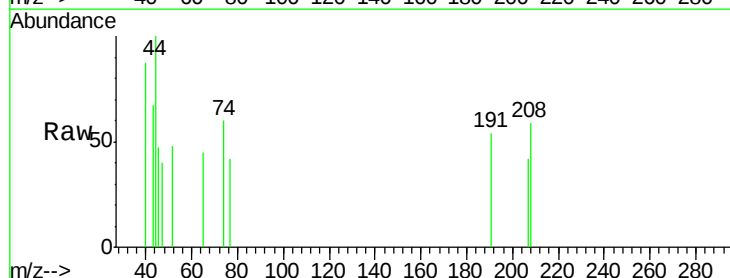
Acq: 22 Jun 2018 20:05

Tgt Ion: 65 Resp: 134

Ion Ratio Lower Upper

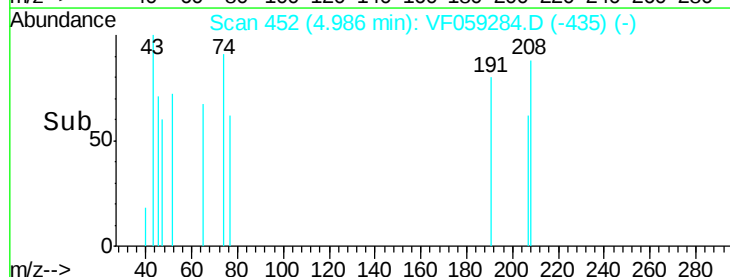
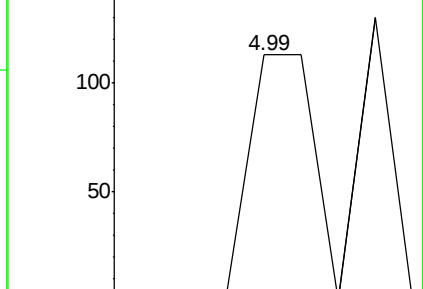
65 100

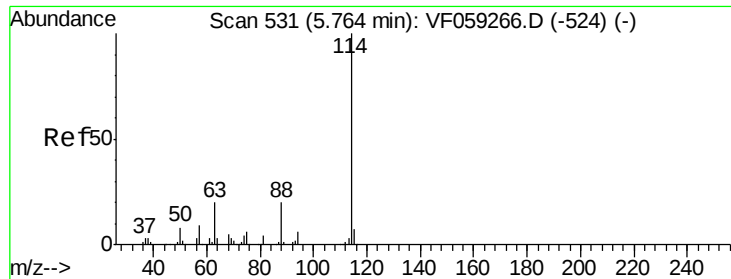
67 0.0 0.0 95.8



Abundance Ion 65.00 (64.70 to 65.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

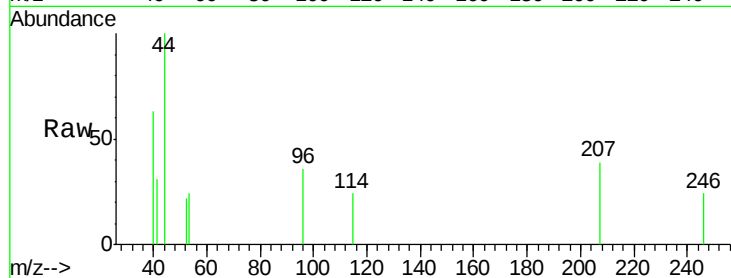




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.00 min Scan# 555
 Delta R.T. 0.24 min
 Lab File: VF059284.D
 Acq: 22 Jun 2018 20:05

Instrument :
 MSVOA_F
 ClientSampleId :
 EPE-F-8(0-5)RE

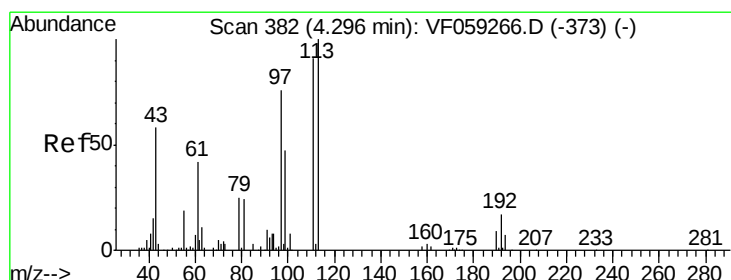
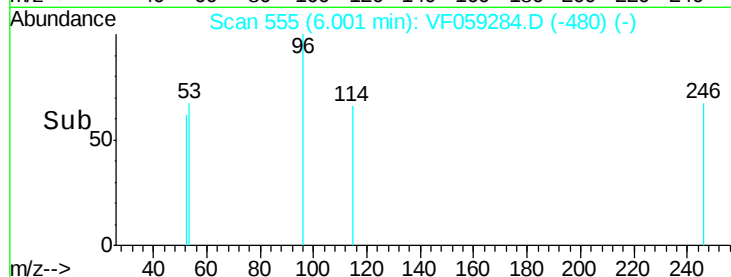
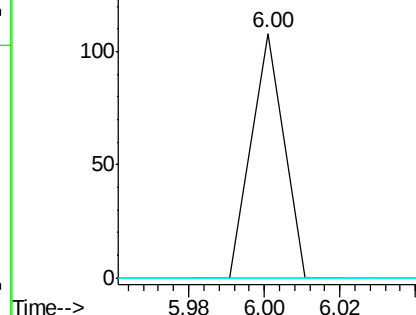
Tgt Ion	Ratio	Lower	Upper
114	100		
63	0.0	0.0	41.0
88	0.0	0.0	39.6



Abundance Ion 114.00 (113.70 to 114.70): V

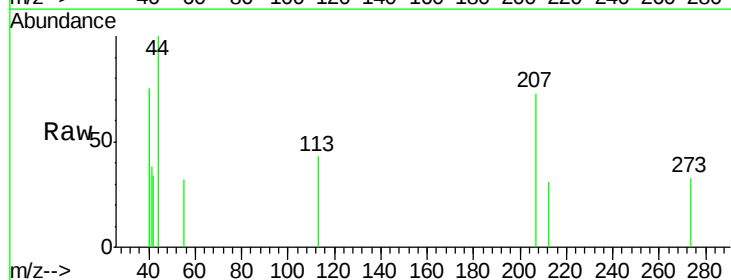
Ion 63.00 (62.70 to 63.70): VF0

Ion 88.00 (87.70 to 88.70): VF0



#35
 Dibromofluoromethane
 Concen: 278.571 ug/l
 RT: 4.30 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VF059284.D
 Acq: 22 Jun 2018 20:05

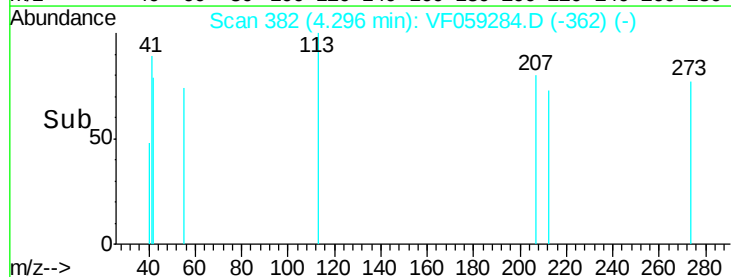
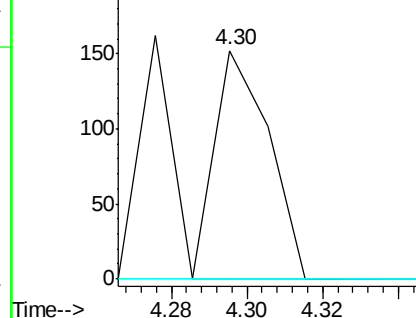
Tgt Ion	Ratio	Lower	Upper
113	100		
111	0.0	73.1	109.7#
192	0.0	13.9	20.9#

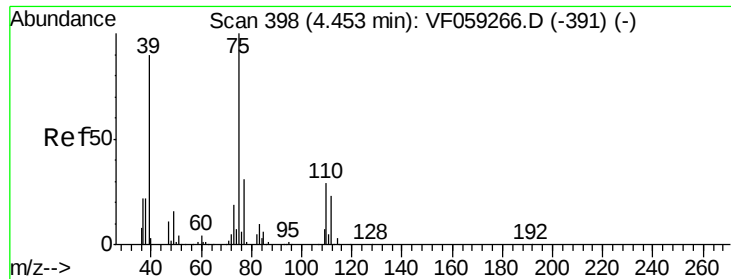


Abundance Ion 113.00 (112.70 to 113.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 192.00 (191.70 to 192.70): V

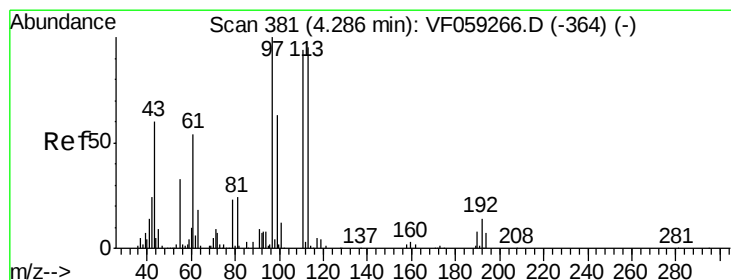
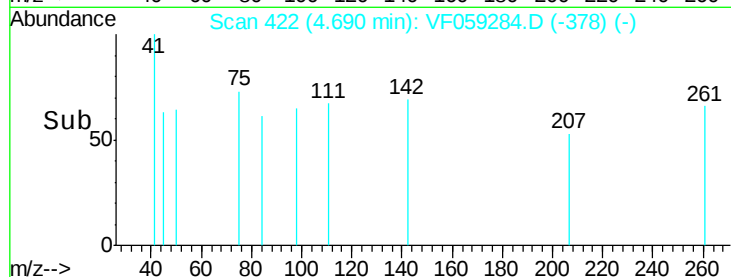
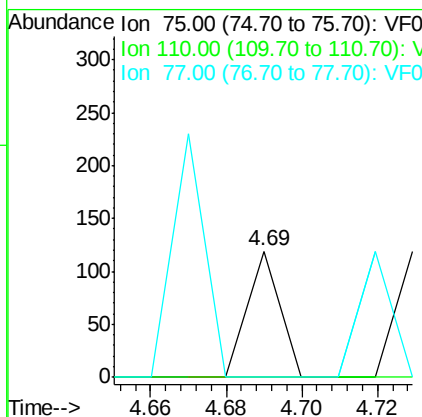
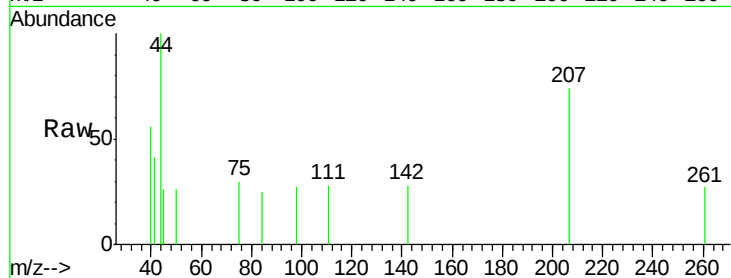




#36
 1,1-Dichloropropene
 Concen: 104.077 ug/l
 RT: 4.69 min Scan# 422
 Delta R.T. 0.24 min
 Lab File: VF059284.D
 Acq: 22 Jun 2018 20:05

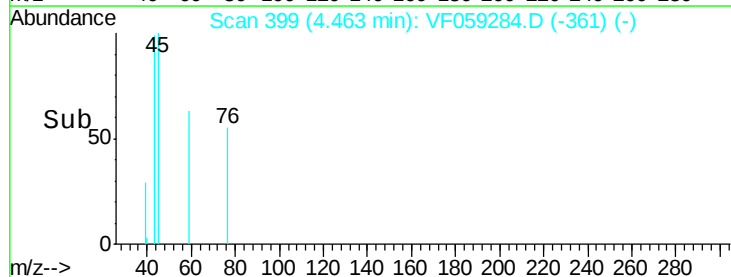
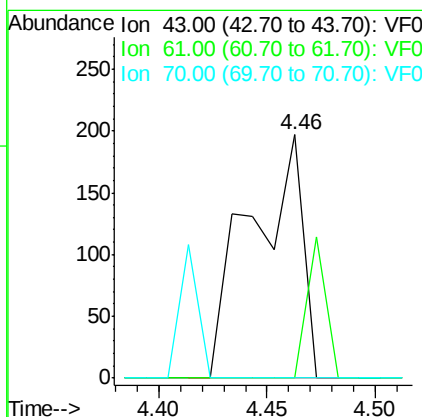
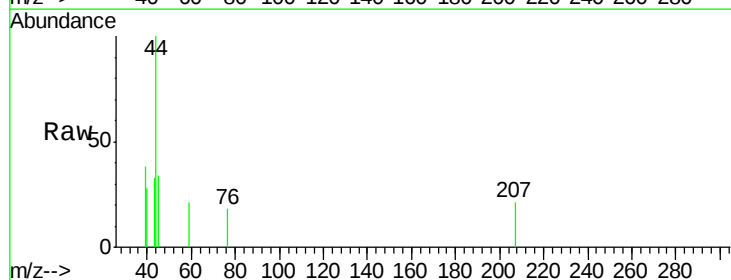
Instrument :
 MSVOA_F
 ClientSampleId :
 EPE-F-8(0-5)RE

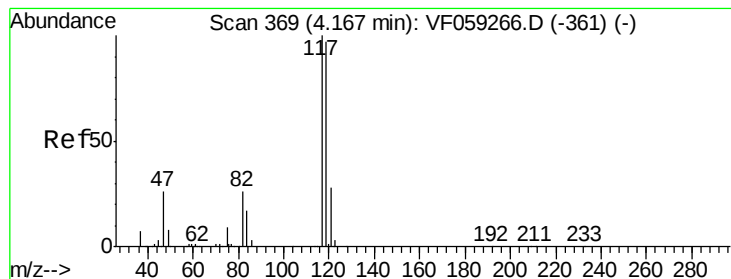
Tgt Ion: 75 Resp: 70
 Ion Ratio Lower Upper
 75 100
 110 0.0 14.5 43.5#
 77 0.0 25.0 37.6#



#37
 Ethyl Acetate
 Concen: 777.184 ug/l
 RT: 4.46 min Scan# 399
 Delta R.T. 0.18 min
 Lab File: VF059284.D
 Acq: 22 Jun 2018 20:05

Tgt Ion: 43 Resp: 334
 Ion Ratio Lower Upper
 43 100
 61 0.0 71.6 107.4#
 70 0.0 6.9 10.3#





#38

Carbon Tetrachloride

Concen: 82.309 ug/l

RT: 4.37 min Scan# 390

Delta R.T. 0.21 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(0-5)RE

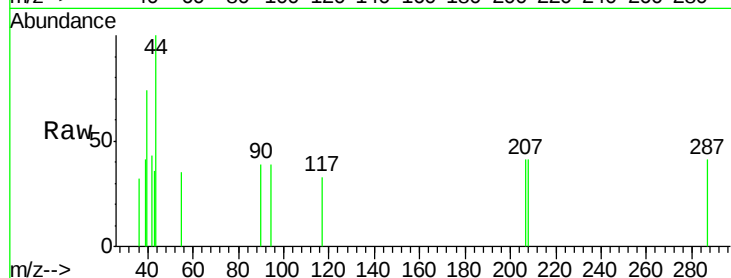
Tgt Ion: 117 Resp: 68

Ion Ratio Lower Upper

117 100

119 0.0 77.5 116.3#

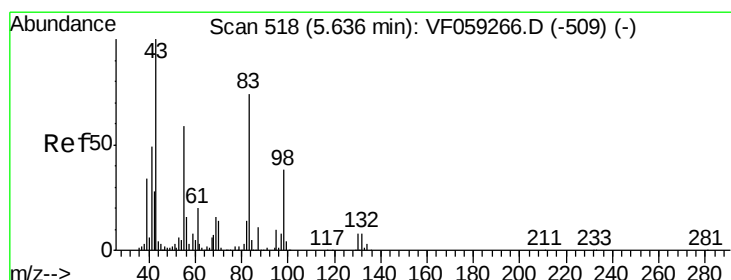
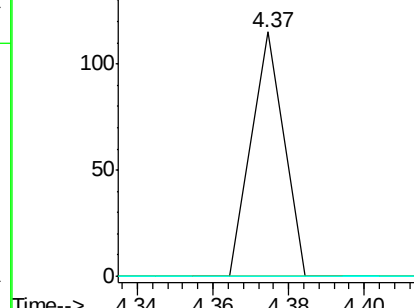
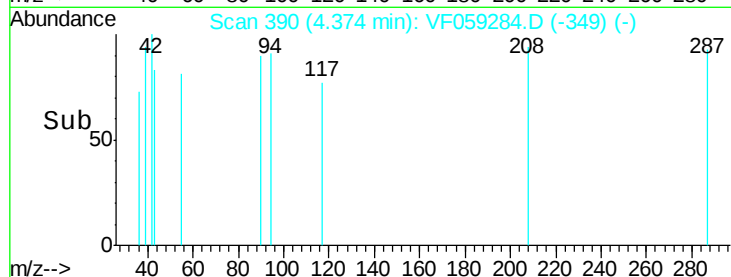
121 0.0 22.2 33.4#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#39

Methylcyclohexane

Concen: 141.225 ug/l

RT: 5.83 min Scan# 538

Delta R.T. 0.20 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

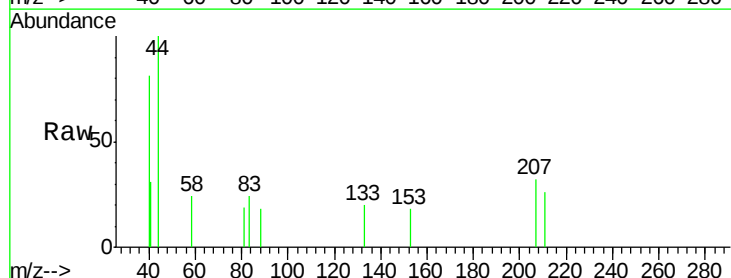
Tgt Ion: 83 Resp: 85

Ion Ratio Lower Upper

83 100

55 0.0 63.7 95.5#

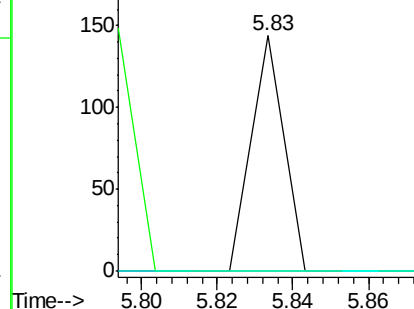
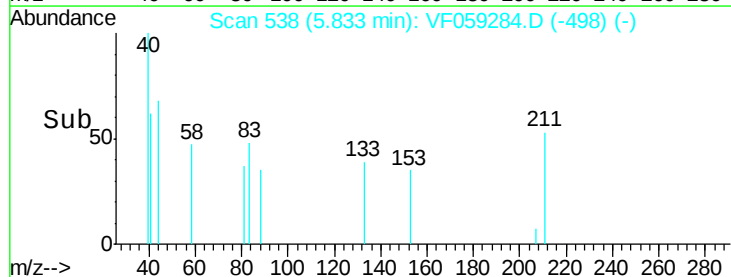
98 0.0 41.6 62.4#

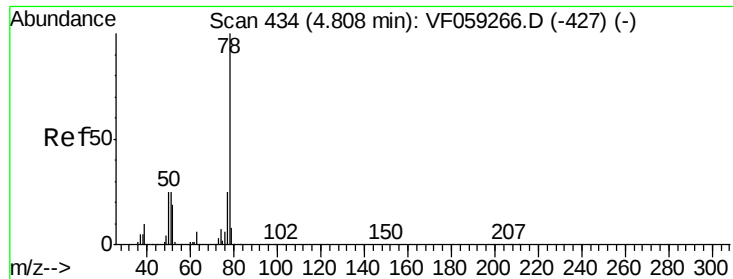


Abundance Ion 83.00 (82.70 to 83.70): VF0

Ion 55.00 (54.70 to 55.70): VF0

Ion 98.00 (97.70 to 98.70): VF0





#40

Benzene

Concen: 46.948 ug/l

RT: 4.83 min Scan# 436

Delta R.T. 0.02 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

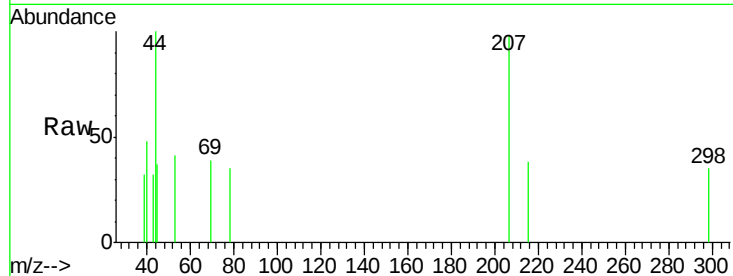
EPE-F-8(0-5)RE

Tgt Ion: 78 Resp: 67

Ion Ratio Lower Upper

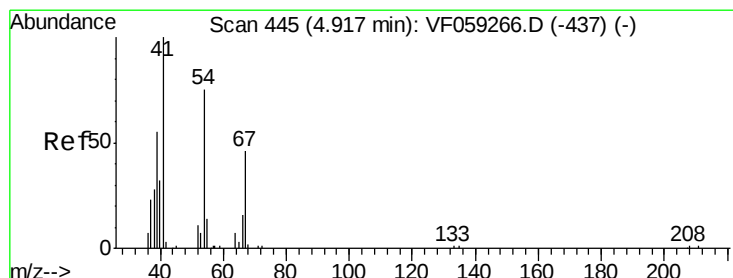
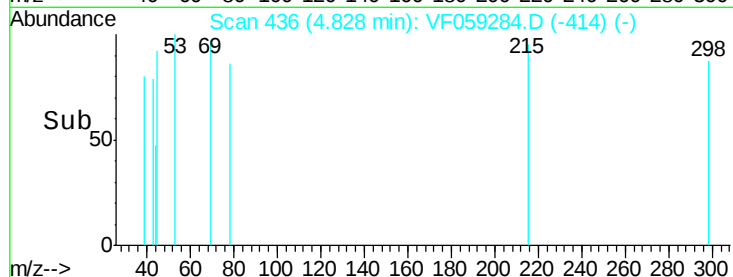
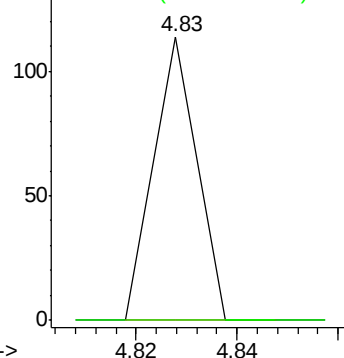
78 100

77 0.0 20.4 30.6#



Abundance Ion 78.10 (77.80 to 78.80): VF0

Ion 77.00 (76.70 to 77.70): VF0



#41

Methacrylonitrile

Concen: 847.516 ug/l

RT: 5.09 min Scan# 463

Delta R.T. 0.18 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

Tgt Ion: 41 Resp: 174

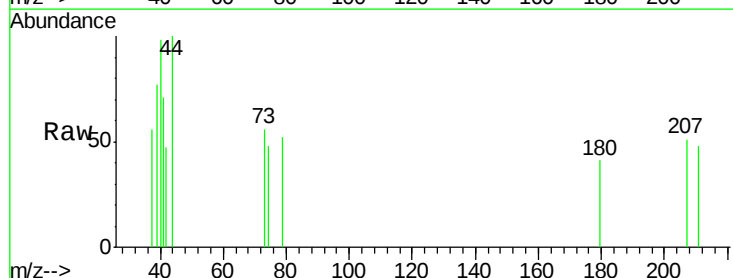
Ion Ratio Lower Upper

41 100

39 109.2 57.0 85.6#

67 0.0 36.8 55.2#

52 0.0 37.7 56.5#

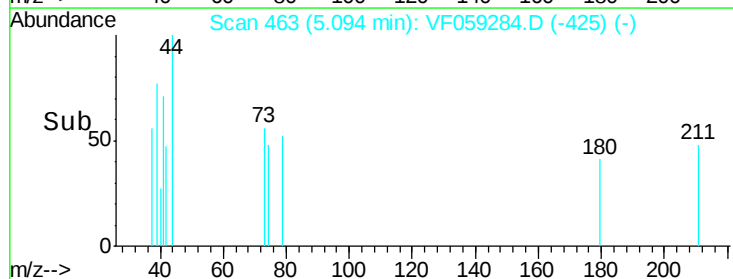
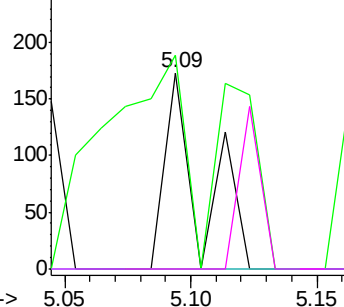


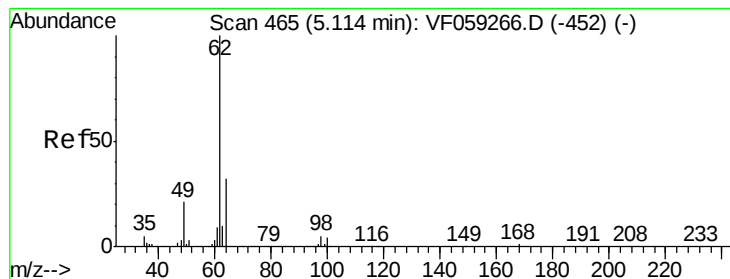
Abundance Ion 41.00 (40.70 to 41.70): VF0

Ion 39.00 (38.70 to 39.70): VF0

Ion 67.00 (66.70 to 67.70): VF0

Ion 52.00 (51.70 to 52.70): VF0





#42

1,2-Dichloroethane

Concen: 76.634 ug/l

RT: 5.35 min Scan# 489

Delta R.T. 0.24 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

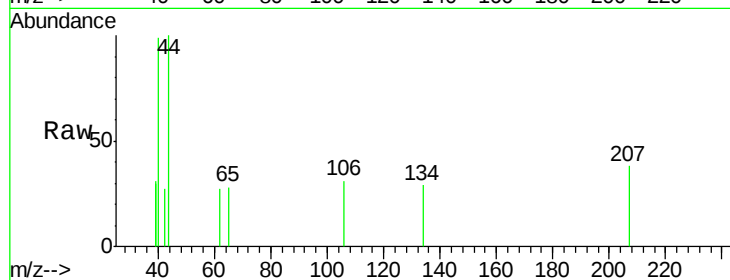
EPE-F-8(0-5)RE

Tgt Ion: 62 Resp: 63

Ion Ratio Lower Upper

62 100

98 0.0 0.0 10.4



Abundance Ion 62.00 (61.70 to 62.70): VF0

Ion 98.00 (97.70 to 98.70): VF0

5.35

100

80

60

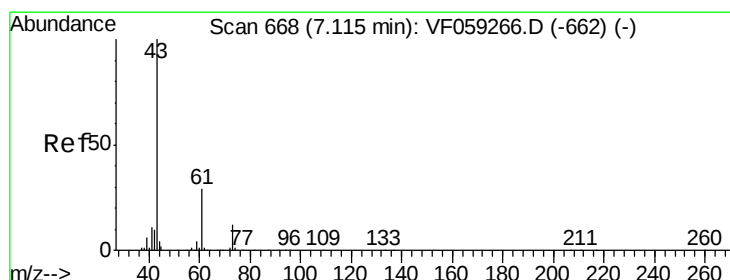
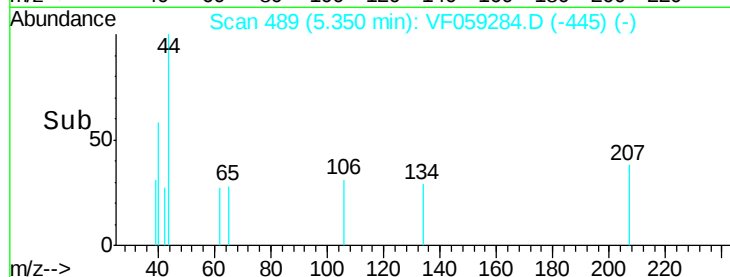
40

20

0

5.32 5.34 5.36 5.38

Time-->



#43

Isopropyl Acetate

Concen: 440.548 ug/l

RT: 7.43 min Scan# 700

Delta R.T. 0.32 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

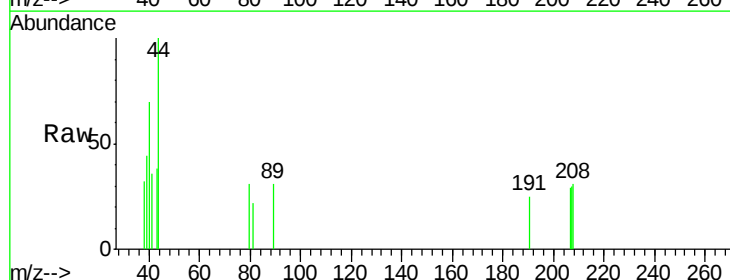
Tgt Ion: 43 Resp: 232

Ion Ratio Lower Upper

43 100

61 0.0 22.8 34.2#

87 0.0 0.3 0.5#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 61.00 (60.70 to 61.70): VF0

Ion 87.00 (86.70 to 87.70): VF0

7.43

200

150

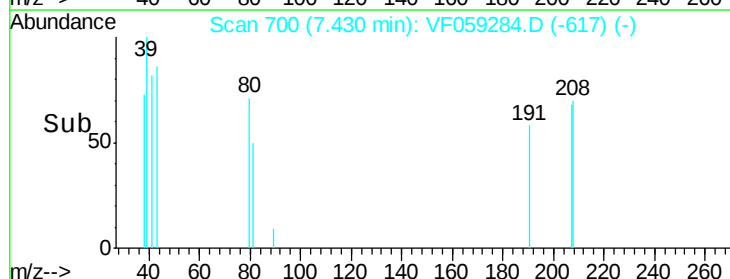
100

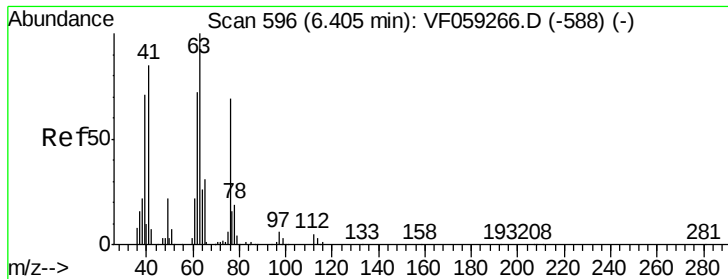
50

0

7.40 7.45

Time-->





#45

1,2-Dichloropropane

Concen: 192.155 ug/l

RT: 6.80 min Scan# 636

Delta R.T. 0.39 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

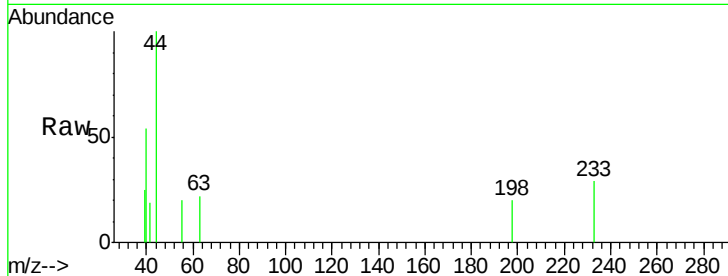
EPE-F-8(0-5)RE

Tgt Ion: 63 Resp: 80

Ion Ratio Lower Upper

63 100

65 0.0 25.3 37.9#



Abundance Ion 63.00 (62.70 to 63.70): VF0

Ion 65.00 (64.70 to 65.70): VF0

6.80

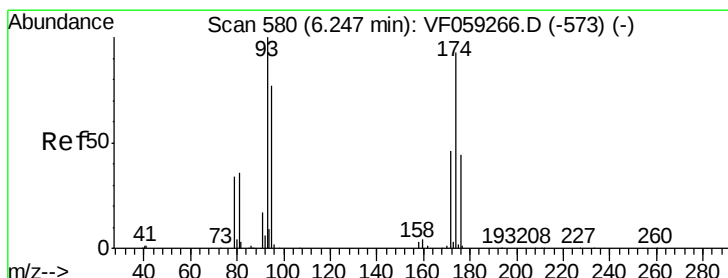
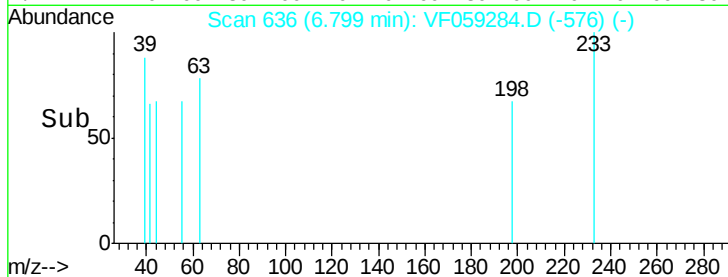
150

100

50

0

Time--> 6.76 6.78 6.80 6.82



#46

Dibromomethane

Concen: 184.989 ug/l

RT: 6.39 min Scan# 594

Delta R.T. 0.14 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

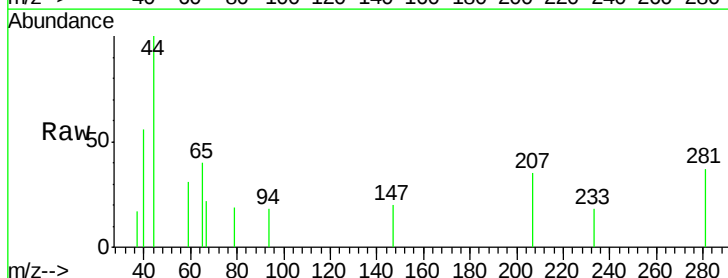
Tgt Ion: 93 Resp: 65

Ion Ratio Lower Upper

93 100

95 0.0 61.8 92.6#

174 0.0 74.4 111.6#



Abundance Ion 93.00 (92.70 to 93.70): VF0

Ion 95.00 (94.70 to 95.70): VF0

Ion 174.00 (173.70 to 174.70): V

6.39

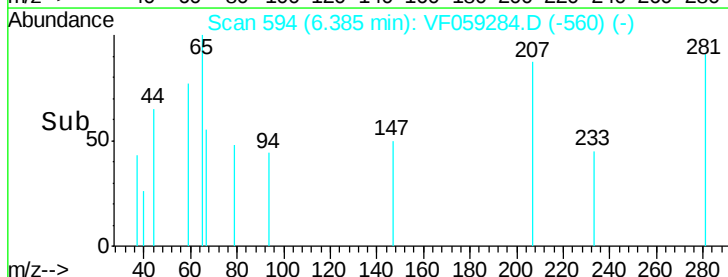
150

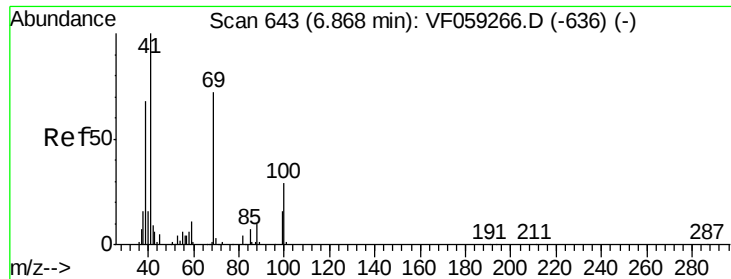
100

50

0

Time--> 6.36 6.38 6.40

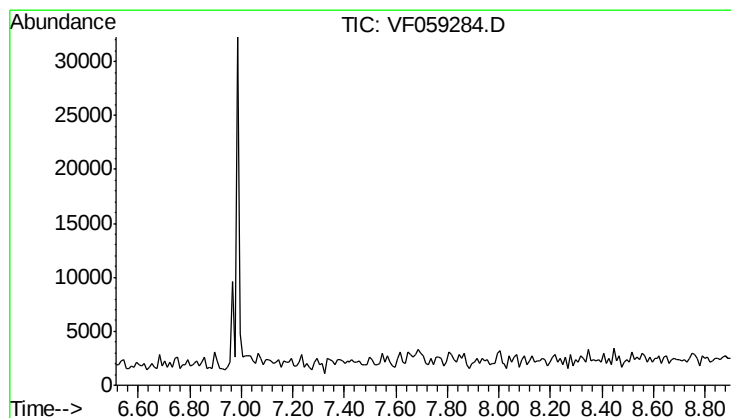
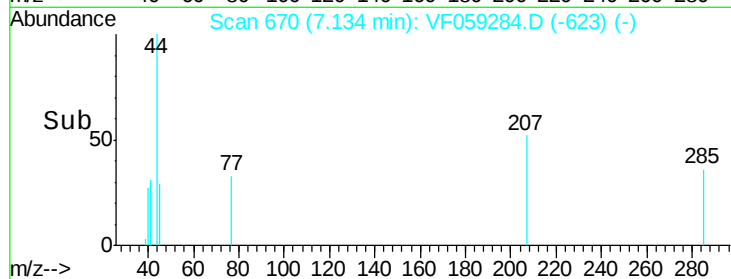
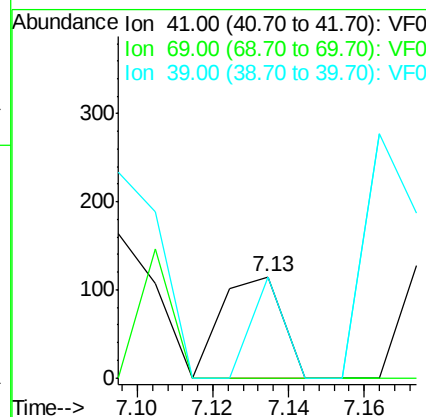
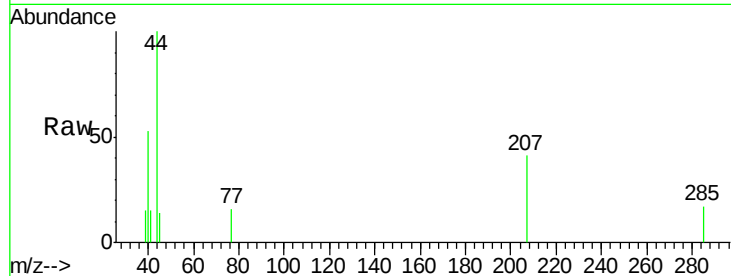




#48
Methyl methacrylate
Concen: 383.947 ug/l
RT: 7.13 min Scan# 670
Delta R.T. 0.27 min
Lab File: VF059284.D
Acq: 22 Jun 2018 20:05

Instrument :
MSVOA_F
ClientSampleId :
EPE-F-8(0-5)RE

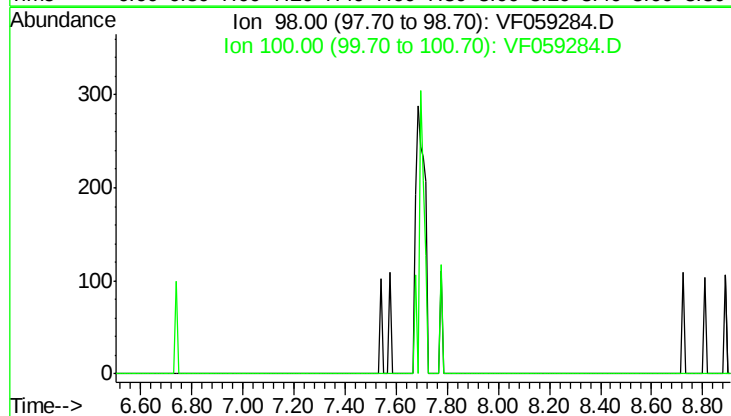
Tgt Ion: 41 Resp: 128
Ion Ratio Lower Upper
41 100
69 0.0 57.4 86.2#
39 99.1 54.8 82.2#

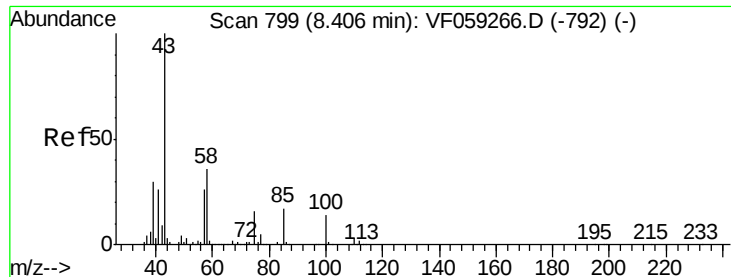


#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 7.71 min

Lab File: VF059284.D
Acq: 22 Jun 2018 20:05

Tgt Ion: 98
Sig Exp Ratio
98 100
100 66.0





#51

4-Methyl-2-Pentanone

Concen: 426.035 ug/l

RT: 8.71 min Scan# 830

Delta R.T. 0.31 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

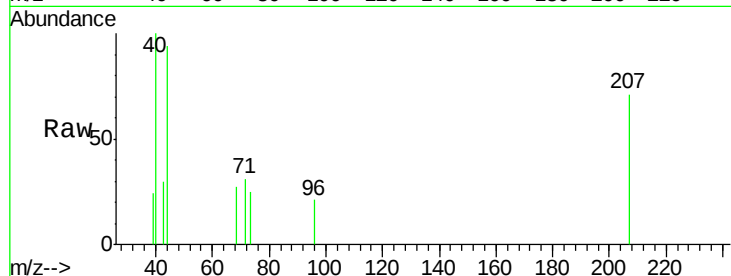
EPE-F-8(0-5)RE

Tgt Ion: 43 Resp: 160

Ion Ratio Lower Upper

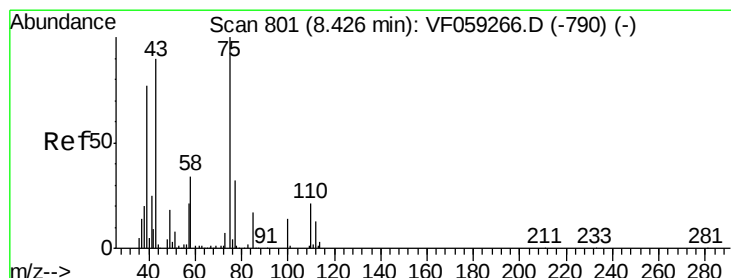
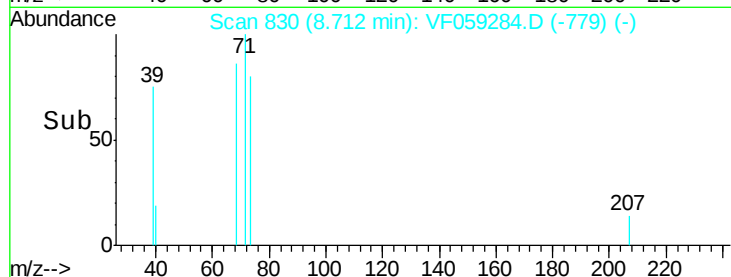
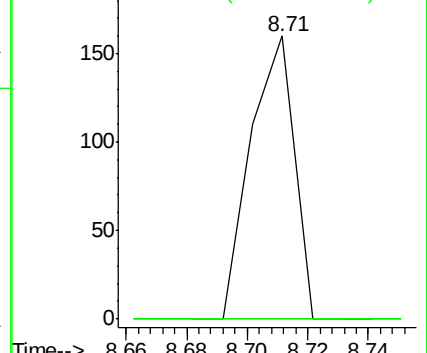
43 100

58 0.0 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0



#53

t-1,3-Dichloropropene

Concen: 188.645 ug/l

RT: 8.84 min Scan# 843

Delta R.T. 0.41 min

Lab File: VF059284.D

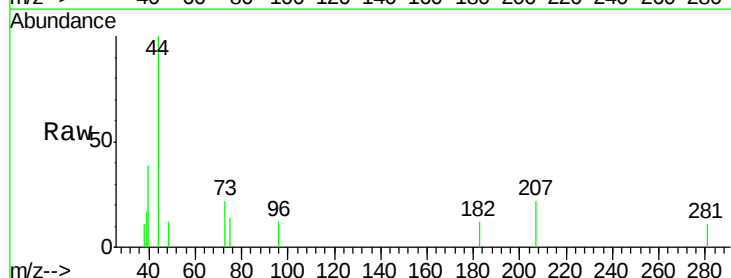
Acq: 22 Jun 2018 20:05

Tgt Ion: 75 Resp: 149

Ion Ratio Lower Upper

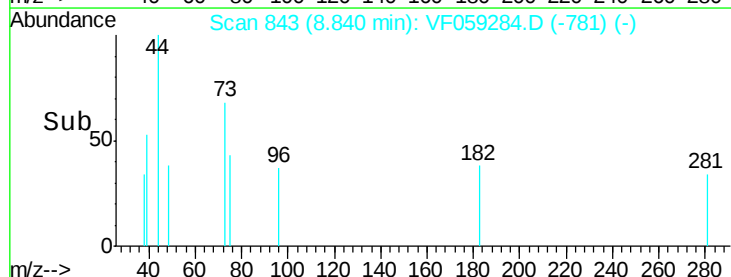
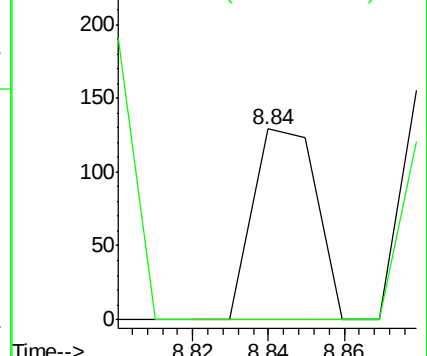
75 100

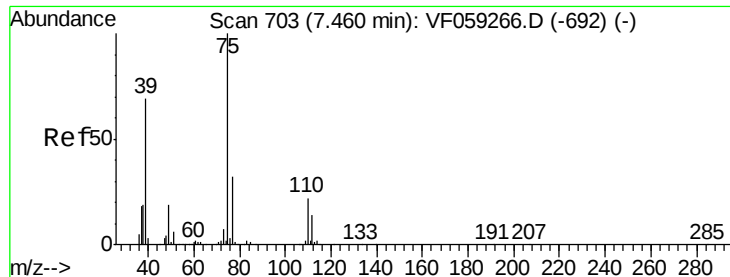
77 0.0 26.1 39.1#



Abundance Ion 75.00 (74.70 to 75.70): VF0

Ion 77.00 (76.70 to 77.70): VF0





#54

cis-1,3-Dichloropropene

Concen: 181.072 ug/l

RT: 7.80 min Scan# 738

Delta R.T. 0.34 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

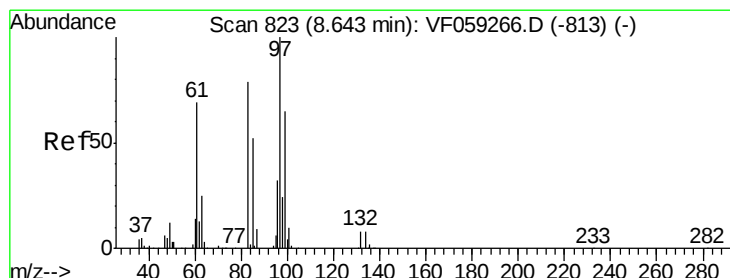
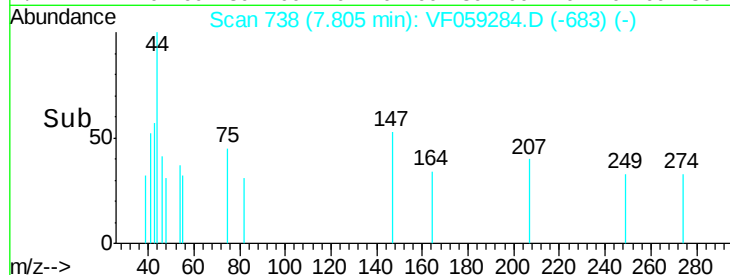
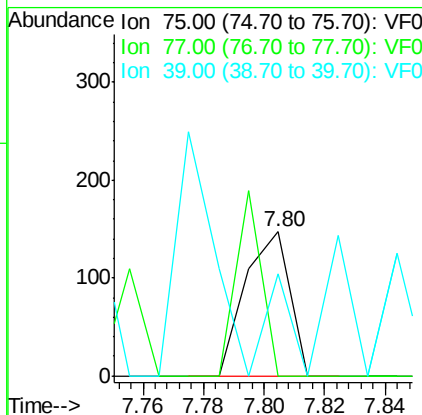
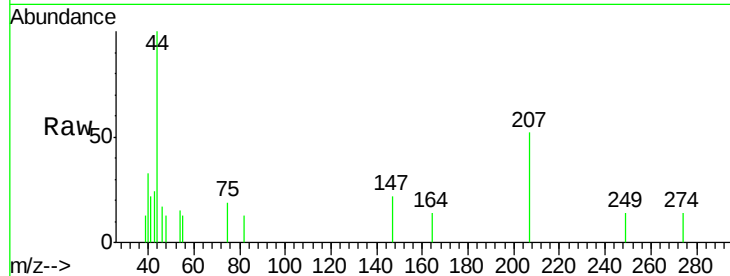
Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(0-5)RE

Tgt Ion:	75	Resp:	151
Ion	Ratio	Lower	Upper
75	100		
77	0.0	26.0	39.0#
39	70.7	55.5	83.3



#55

1,1,2-Trichloroethane

Concen: 145.826 ug/l

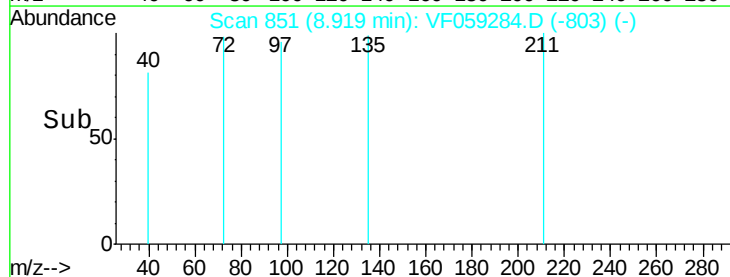
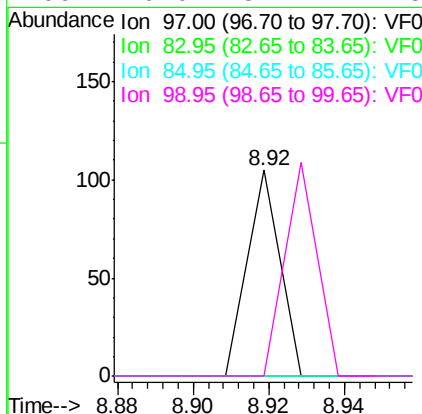
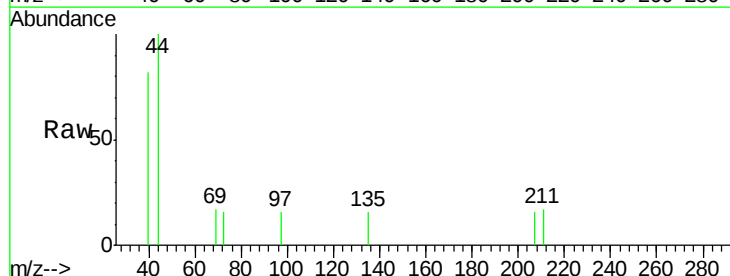
RT: 8.92 min Scan# 851

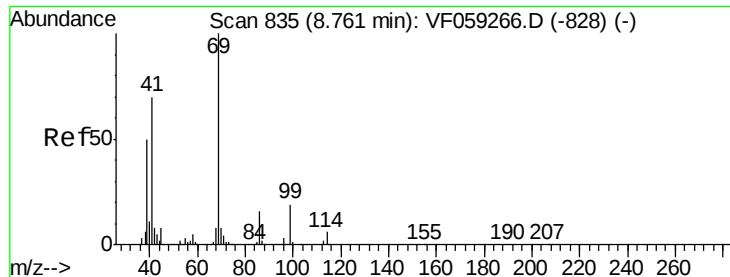
Delta R.T. 0.28 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

Tgt Ion:	97	Resp:	62
Ion	Ratio	Lower	Upper
97	100		
83	0.0	63.2	94.8#
85	0.0	41.8	62.6#
99	0.0	51.7	77.5#





#56

Ethyl methacrylate

Concen: 172.796 ug/l

RT: 9.14 min Scan# 873

Delta R.T. 0.37 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

EPE-F-8(0-5)RE

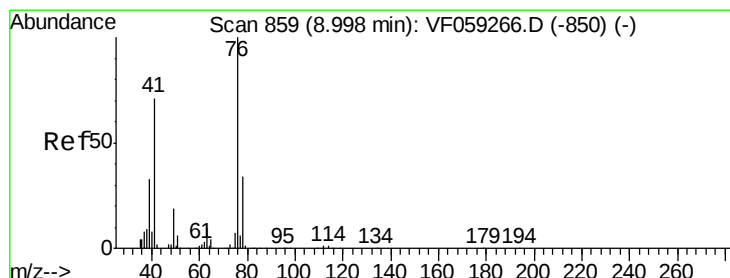
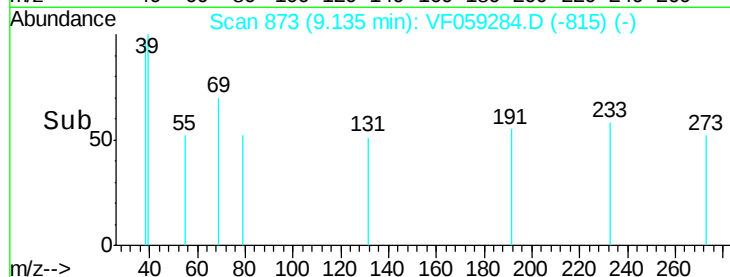
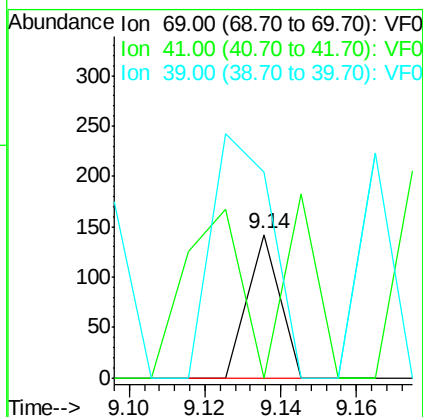
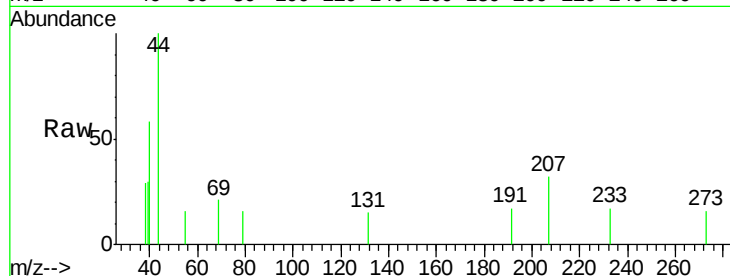
Tgt Ion: 69 Resp: 84

Ion Ratio Lower Upper

69 100

41 0.0 56.6 85.0#

39 143.7 40.5 60.7#



#57

1,3-Dichloropropane

Concen: 89.590 ug/l

RT: 9.25 min Scan# 885

Delta R.T. 0.26 min

Lab File: VF059284.D

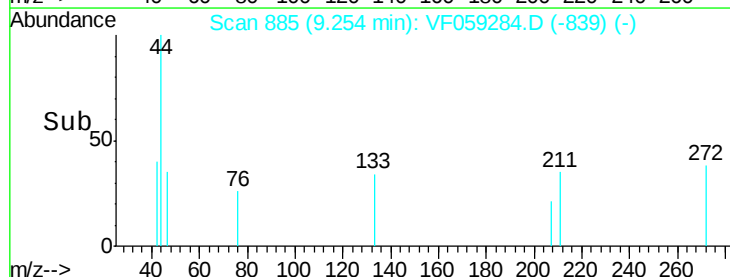
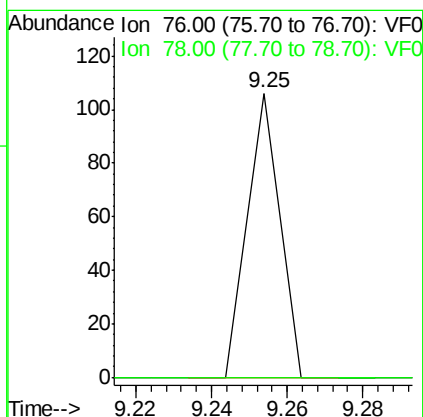
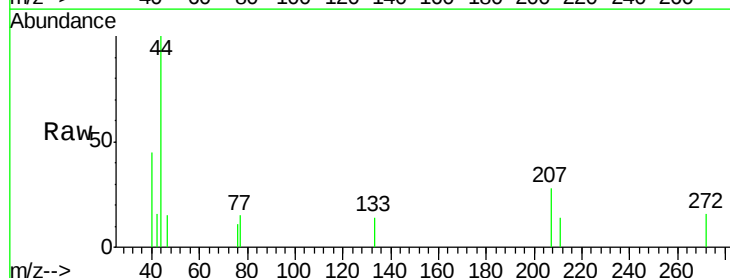
Acq: 22 Jun 2018 20:05

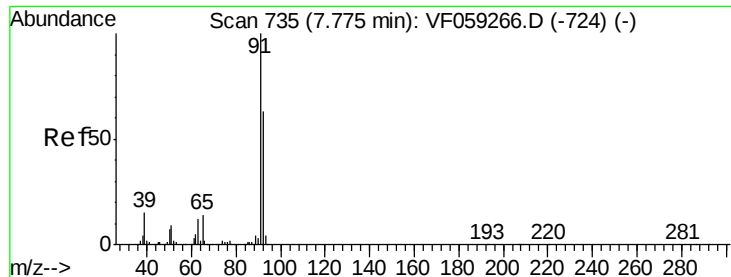
Tgt Ion: 76 Resp: 63

Ion Ratio Lower Upper

76 100

78 0.0 27.5 41.3#





#58

2-Chloroethyl Vinyl ether

Concen: 1646.272 ug/l

RT: 8.03 min Scan# 761

Delta R.T. 0.26 min

Lab File: VF059284.D

Acq: 22 Jun 2018 20:05

Instrument :

MSVOA_F

ClientSampleId :

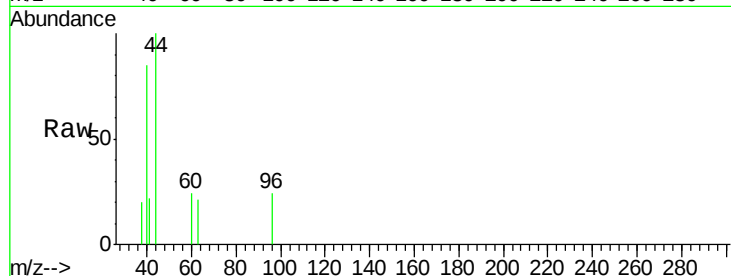
EPE-F-8(0-5)RE

Tgt Ion: 63 Resp: 64

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

8.03

100

80

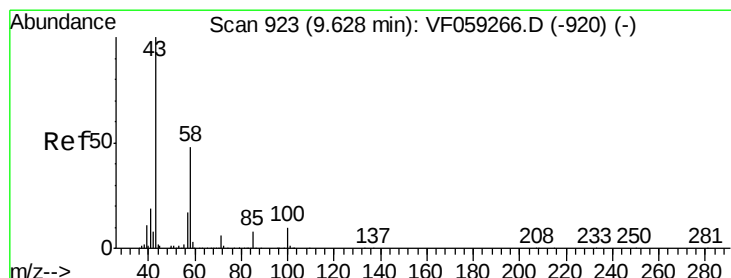
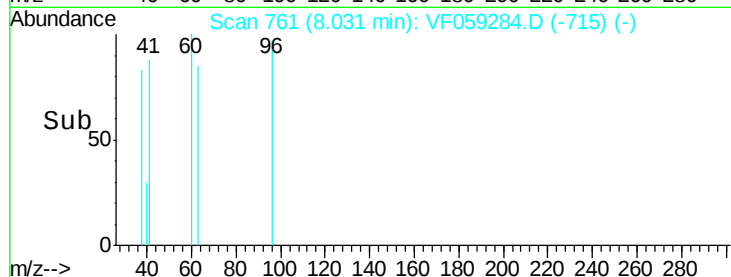
60

40

20

0

Time--> 8.00 8.02 8.04 8.06



#59

2-Hexanone

Concen: 433.257 ug/l

RT: 10.05 min Scan# 966

Delta R.T. 0.42 min

Lab File: VF059284.D

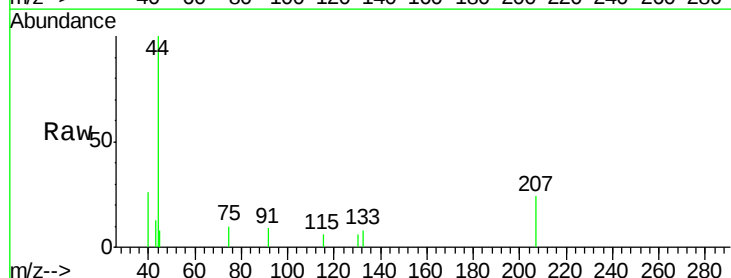
Acq: 22 Jun 2018 20:05

Tgt Ion: 43 Resp: 129

Ion Ratio Lower Upper

43 100

58 0.0 23.3 69.9#



Abundance Ion 43.00 (42.70 to 43.70): VF0

Ion 58.00 (57.70 to 58.70): VF0

250

200

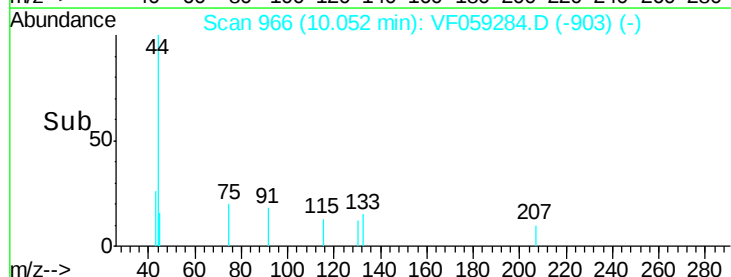
150

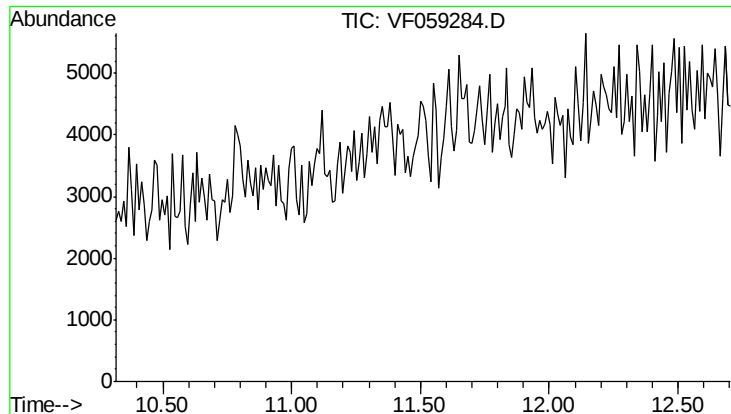
100

50

0

Time--> 10.02 10.04 10.06 10.08

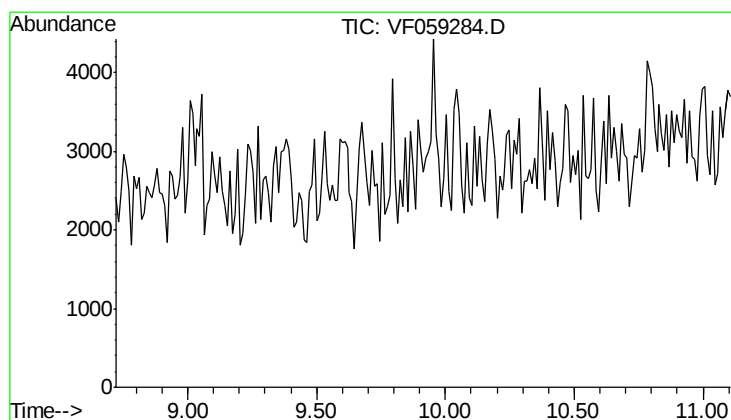
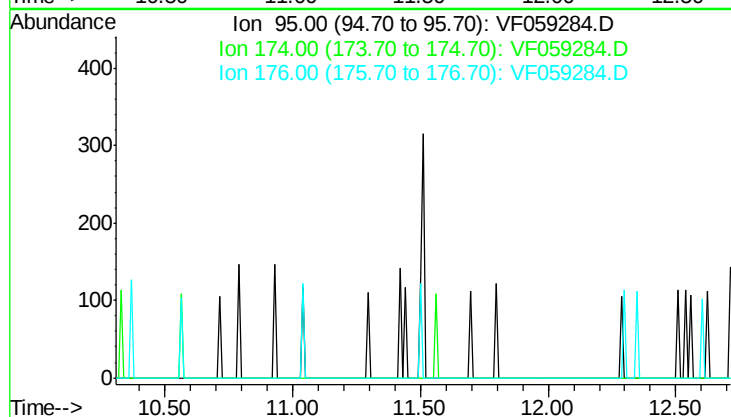




#62
 4-Bromofluorobenzene
 Concen: 0.000 ug/l
 Expected RT: 11.51 min
 Lab File: VF059284.D
 Acq: 22 Jun 2018 20:05

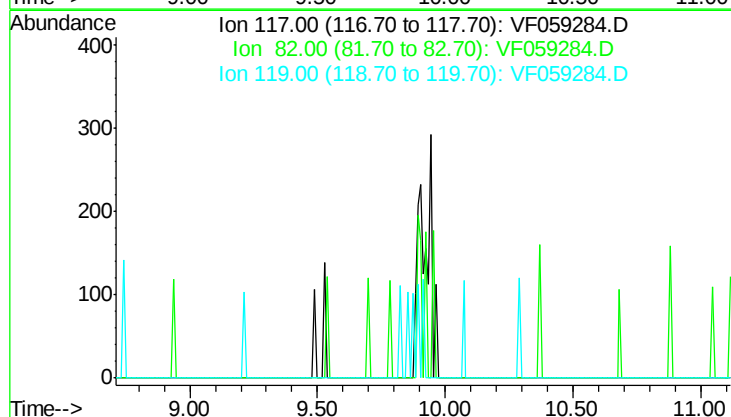
Instrument :
 MSVOA_F
 ClientSampleId :
 EPE-F-8(0-5)RE

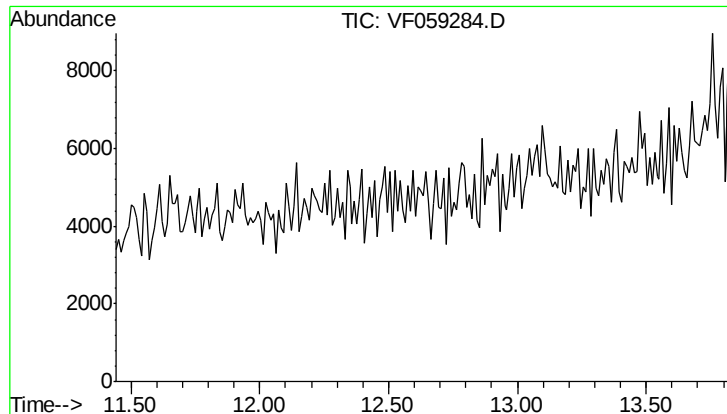
Tgt Ion	Exp Ratio
95	100
174	83.1
176	81.4



#63
 Chlorobenzene-d5
 Concen: 0.000 ug/l
 Expected RT: 9.91 min
 Lab File: VF059284.D
 Acq: 22 Jun 2018 20:05

Tgt Ion	Exp Ratio
117	100
82	58.9
119	33.6





#72
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ug/l
 Expected RT: 12.63 min
 Lab File: VF059284.D
 Acq: 22 Jun 2018 20:05

Instrument :
 MSVOA_F
 ClientSampleId :
 EPE-F-8(0-5)RE

Tgt Ion	Exp Ratio
152	100
115	55.5
150	156.9

