

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051018\
 Data File : VW002409.D
 Acq On : 11 May 2018 04:59
 Operator : JC/SY
 Sample : J2772-01
 Misc : 6.34G/5ML/MSVOA W/SOIL
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-F-6A(100-102)

Quant Time: May 11 06:51:34 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 08 03:57:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	2303	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	5600	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	4086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	817	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	3829	156.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	313.12%	
35) Dibromofluoromethane	7.89	113	3023	84.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	168.44%	
50) Toluene-d8	10.34	98	4540	33.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	66.34%	
62) 4-Bromofluorobenzene	12.63	95	728	14.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	29.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.22	85	48	5.51	ug/l #	42
3) Chloromethane	2.20	50	29	1.64	ug/l #	42
4) Vinyl Chloride	2.32	62	100	3.43	ug/l #	42
5) Bromomethane	2.76	94	44	1.88	ug/l #	4
6) Chloroethane	2.95	64	20	1.02	ug/l #	45
8) Diethyl Ether	3.90	74	47	3.53	ug/l	82
11) Tert butyl alcohol	5.21	59	22	12.38	ug/l #	85
13) Acrolein	3.87	56	21	14.11	ug/l #	3
14) Allyl chloride	4.67	41	148	4.83	ug/l #	30
15) Acrylonitrile	5.34	53	29	5.55	ug/l #	16
16) Acetone	4.13	43	1373	287.46	ug/l	92
18) Methyl Acetate	4.69	43	116	8.10	ug/l #	51
20) Methylene Chloride	4.92	84	707	30.70	ug/l #	82
24) 1,1-Dichloroethane	6.07	63	98	2.41	ug/l #	85
25) 2-Butanone	7.17	43	82	11.56	ug/l #	49
28) Bromochloromethane	7.52	49	49	2.66	ug/l #	7
29) Tetrahydrofuran	7.52	42	105	22.57	ug/l #	33
36) 1,1-Dichloropropene	7.95	75	268	5.29	ug/l #	51
37) Ethyl Acetate	7.26	43	127	5.15	ug/l #	69
38) Carbon Tetrachloride	7.94	117	212	4.33	ug/l #	12
41) Methacrylonitrile	7.49	41	117	8.27	ug/l #	1
43) Isopropyl Acetate	8.44	43	101	2.16	ug/l #	78
45) 1,2-Dichloropropane	9.20	63	56	1.51	ug/l #	46
48) Methyl methacrylate	9.46	41	49	2.16	ug/l #	1
49) 1,4-Dioxane	9.24	88	45	136.63	ug/l #	1
51) 4-Methyl-2-Pentanone	10.34	43	118	4.57	ug/l	92
55) 1,1,2-Trichloroethane	10.67	97	38	1.30	ug/l #	15
58) 2-Chloroethyl Vinyl ether	9.92	63	52	2.97	ug/l #	47
59) 2-Hexanone	11.00	43	49	2.77	ug/l	84
74) N-amyl acetate	12.26	43	101	7.61	ug/l #	75
76) 1,2,3-Trichloropropane	12.63	75	511	70.53	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	511	185.79	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.26	105	54	1.17	ug/l #	1
92) 1,2-Dibromo-3-Chloropropan	14.69	75	21	11.84	ug/l #	1

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Quant Title : SW846 8260
QLast Update : Tue May 08 03:57:58 2018
Response via : Initial Calibration

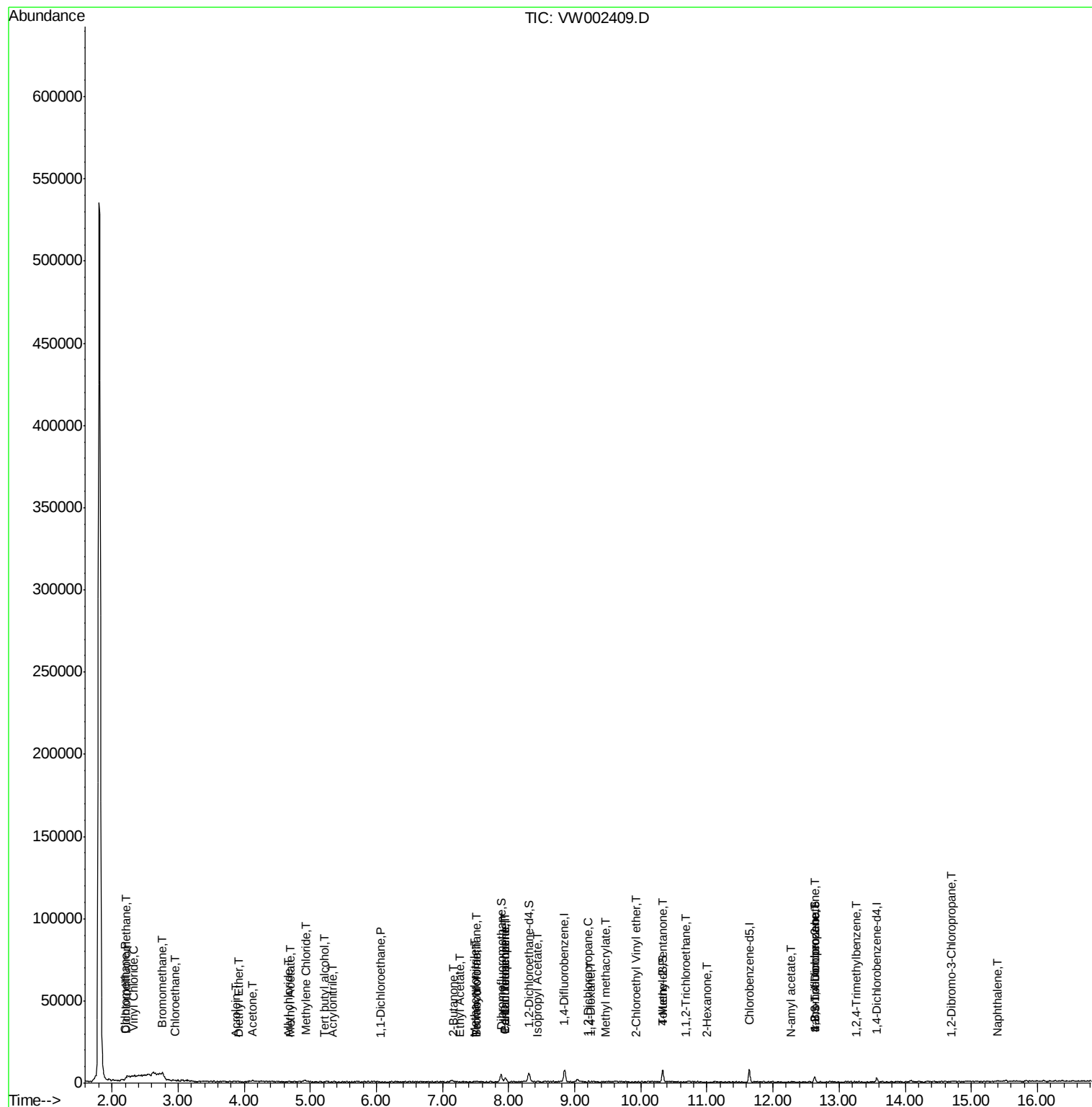
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.38	128	149	4.72	ug/l #	68

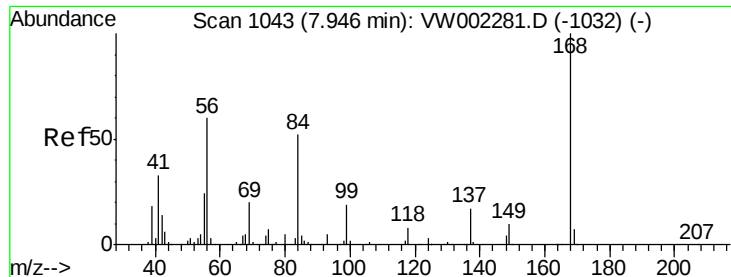
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 08 03:57:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

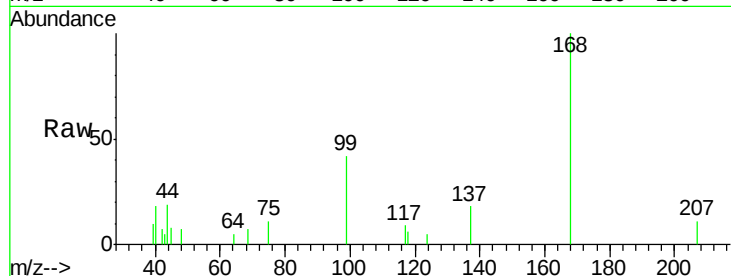
Instrument :
MSVOA_W
ClientSampleId :
EPE-F-6A(100-102)

Tot Ion:168 Resp: 2303

Ion Ratio Lower Upper

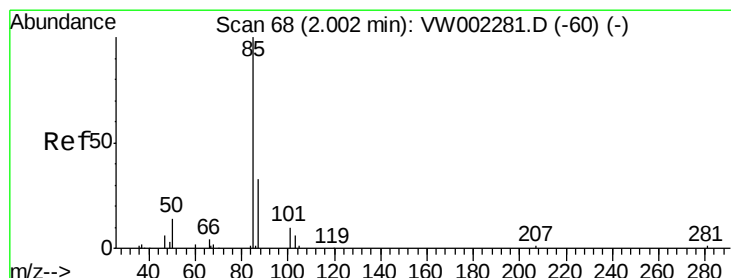
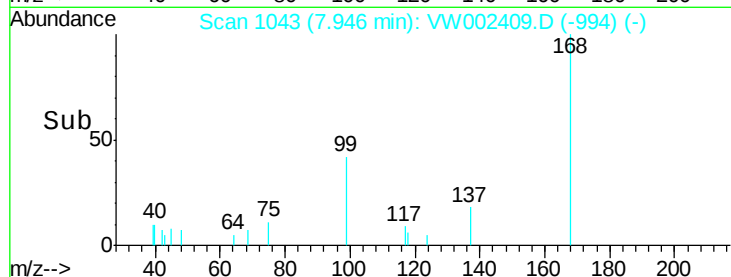
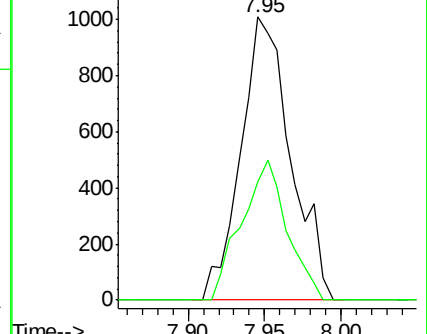
168 100

99 41.8 43.7 65.5#



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 5.51 ug/l

RT: 2.22 min Scan# 103

Delta R.T. 0.21 min

Lab File: VW002409.D

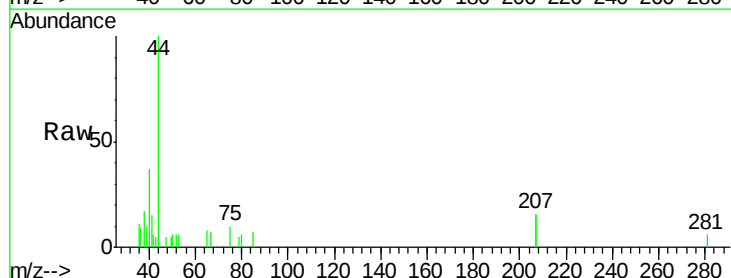
Acq: 11 May 2018 04:59

Tgt Ion: 85 Resp: 48

Ion Ratio Lower Upper

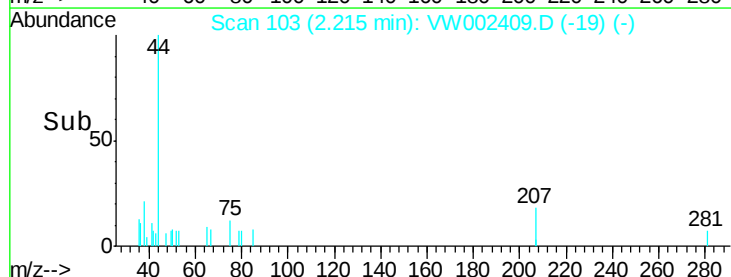
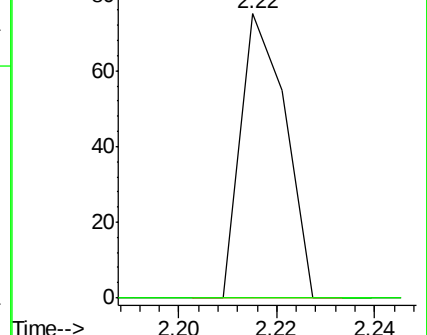
85 100

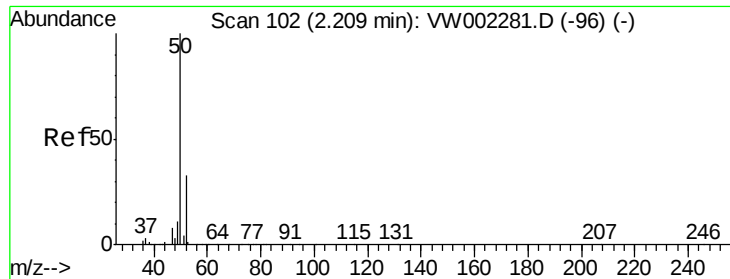
87 0.0 16.4 49.4#



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 1.64 ug/l

RT: 2.20 min Scan# 100

Delta R.T. -0.01 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

Instrument :

MSVOA_W

ClientSampleId :

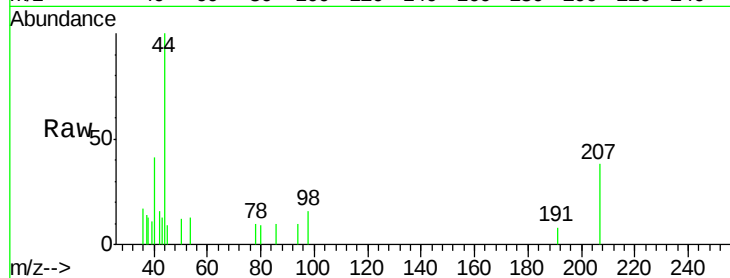
EPE-F-6A(100-102)

Tot Ion: 50 Resp: 29

Ion Ratio Lower Upper

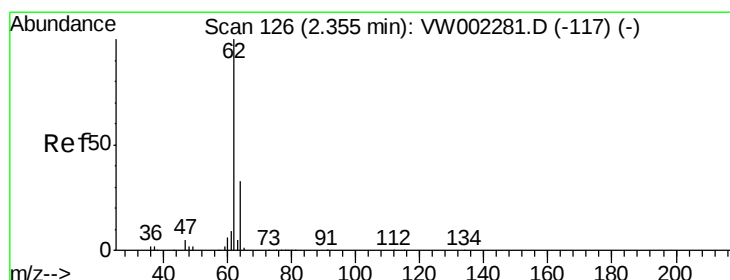
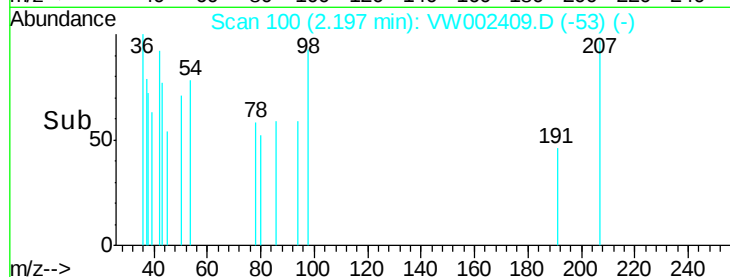
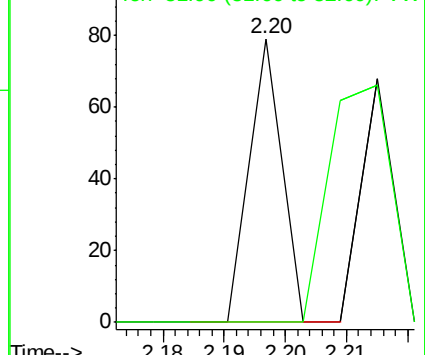
50 100

52 0.0 26.5 39.7#



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 3.43 ug/l

RT: 2.32 min Scan# 121

Delta R.T. -0.03 min

Lab File: VW002409.D

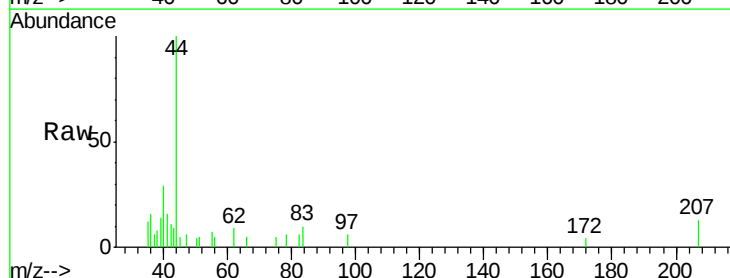
Acq: 11 May 2018 04:59

Tgt Ion: 62 Resp: 100

Ion Ratio Lower Upper

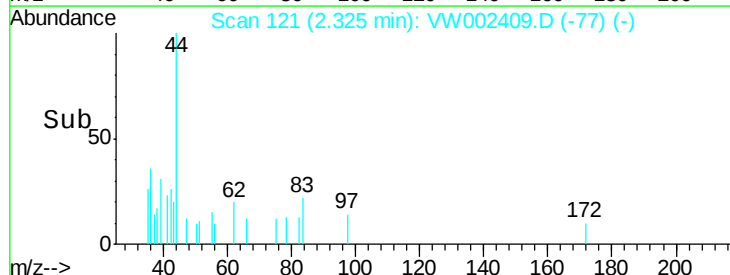
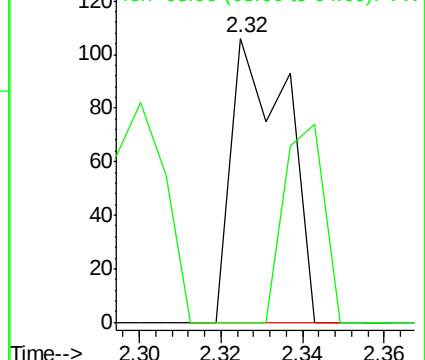
62 100

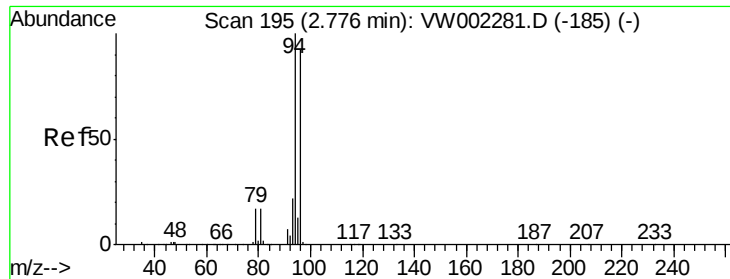
64 0.0 26.1 39.1#



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 1.88 ug/l

RT: 2.76 min Scan# 192

Delta R.T. -0.02 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

Instrument :

MSVOA_W

ClientSampleId :

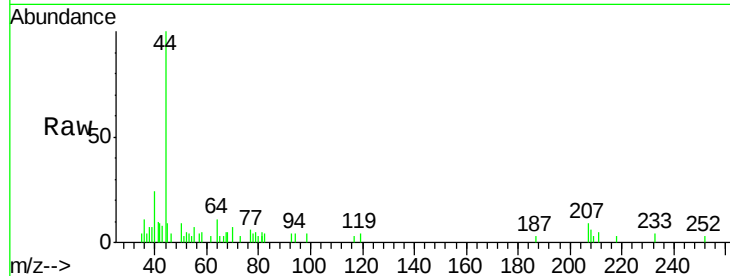
EPE-F-6A(100-102)

Tot Ion: 94 Resp: 44

Ion Ratio Lower Upper

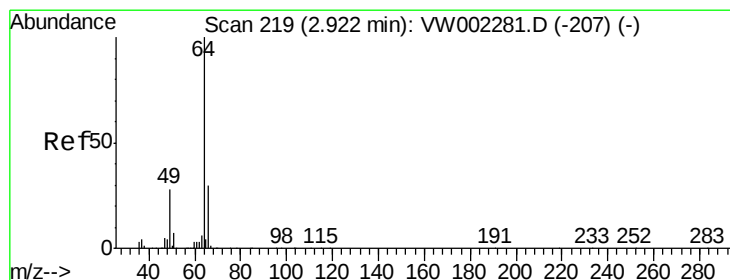
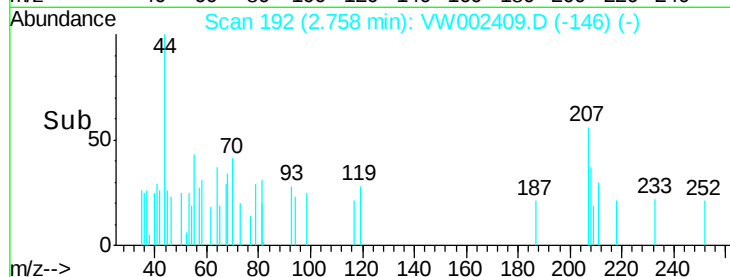
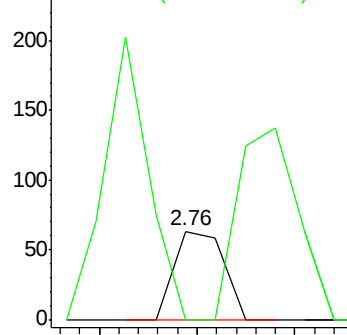
94 100

96 0.0 73.6 110.4#



Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 1.02 ug/l

RT: 2.95 min Scan# 223

Delta R.T. 0.02 min

Lab File: VW002409.D

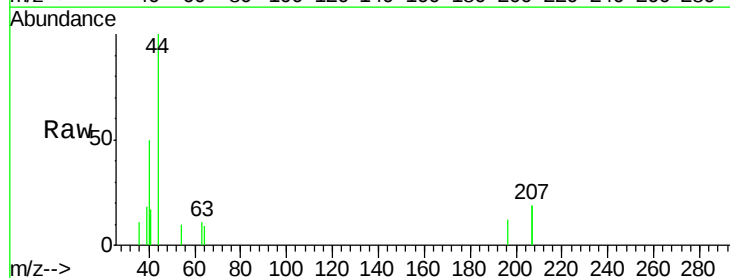
Acq: 11 May 2018 04:59

Tgt Ion: 64 Resp: 20

Ion Ratio Lower Upper

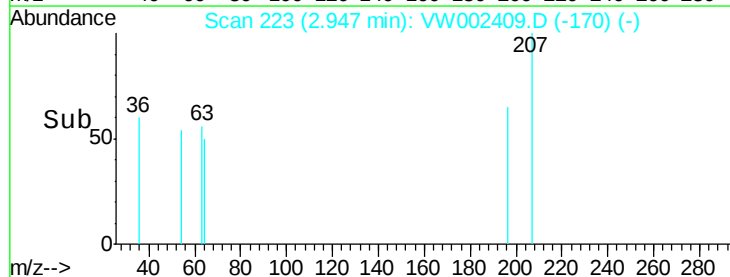
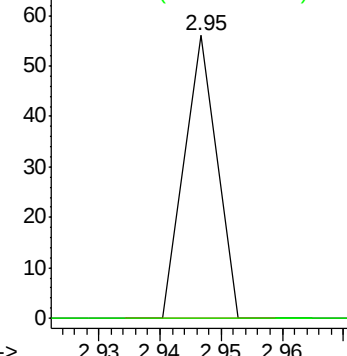
64 100

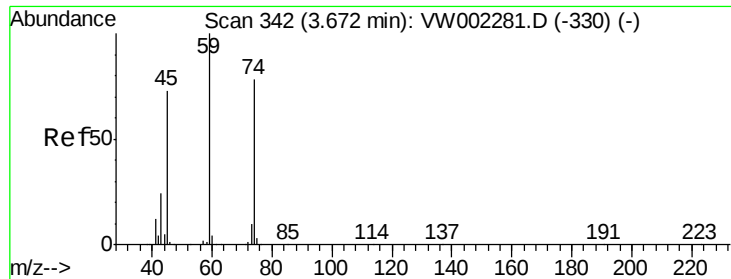
66 0.0 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#8

Diethyl Ether

Concen: 3.53 ug/l

RT: 3.90 min Scan# 380

Delta R.T. 0.23 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

Instrument :

MSVOA_W

ClientSampleId :

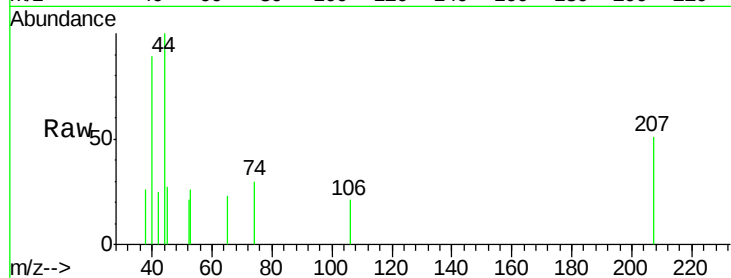
EPE-F-6A(100-102)

Tot Ion: 74 Resp: 47

Ion Ratio Lower Upper

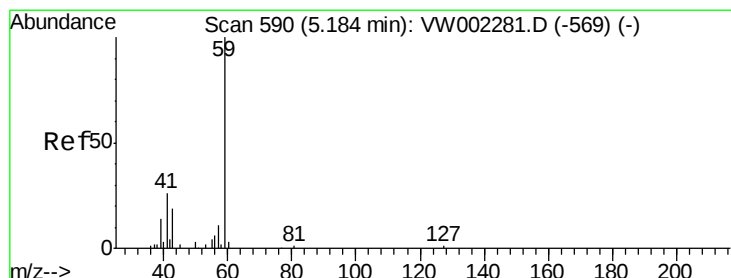
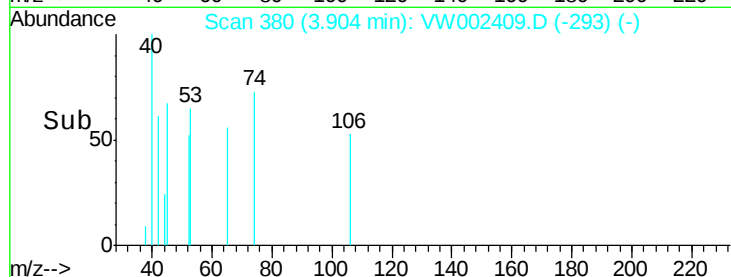
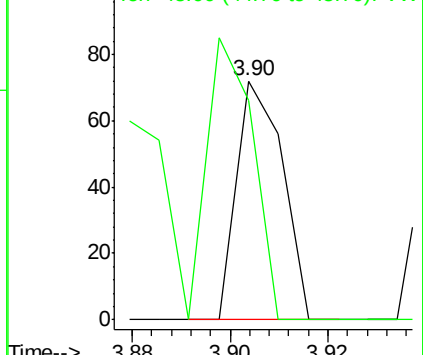
74 100

45 117.0 49.5 148.5



Abundance Ion 74.00 (73.70 to 74.70): VW

Ion 45.00 (44.70 to 45.70): VW



#11

Tert butyl alcohol

Concen: 12.38 ug/l

RT: 5.21 min Scan# 594

Delta R.T. 0.02 min

Lab File: VW002409.D

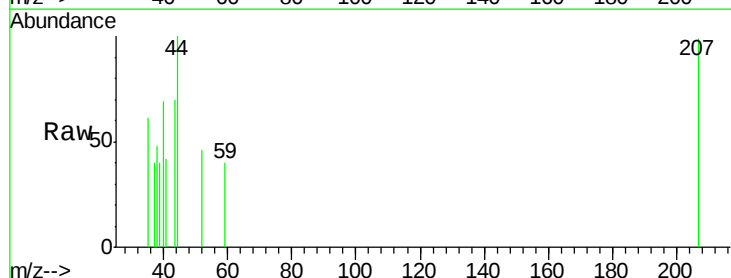
Acq: 11 May 2018 04:59

Tgt Ion: 59 Resp: 22

Ion Ratio Lower Upper

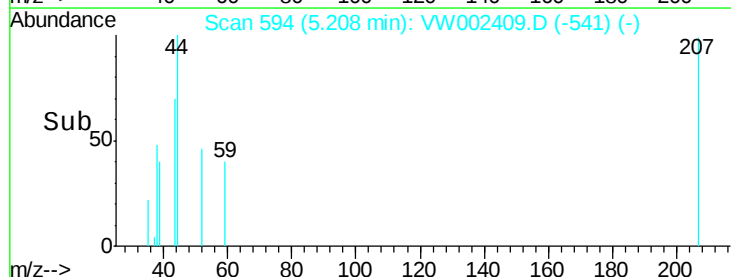
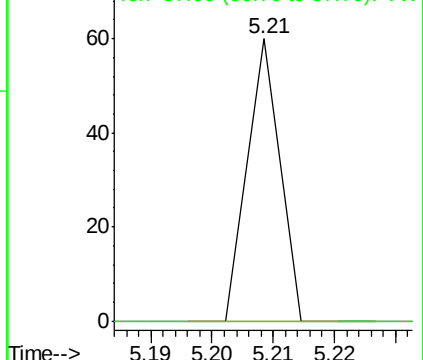
59 100

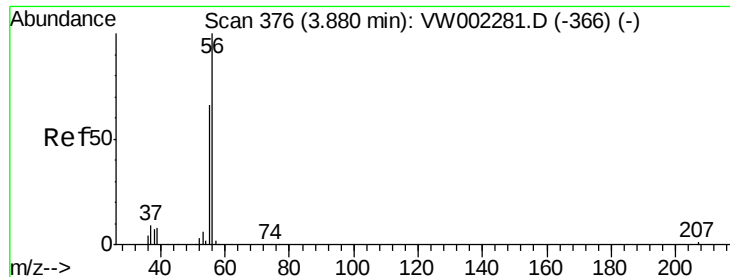
57 0.0 3.9 5.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW





#13

Acrolein

Concen: 14.11 ug/l

RT: 3.87 min Scan# 374

Delta R.T. -0.01 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

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ClientSampleId :

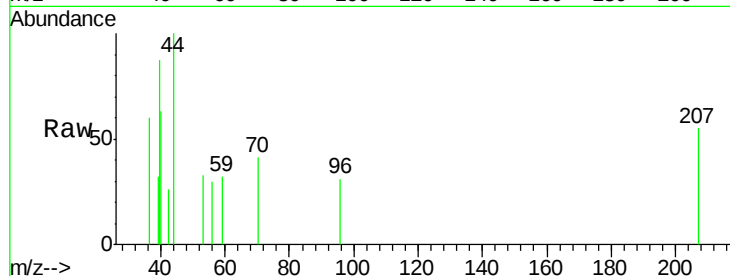
EPE-F-6A(100-102)

Tot Ion: 56 Resp: 21

Ion Ratio Lower Upper

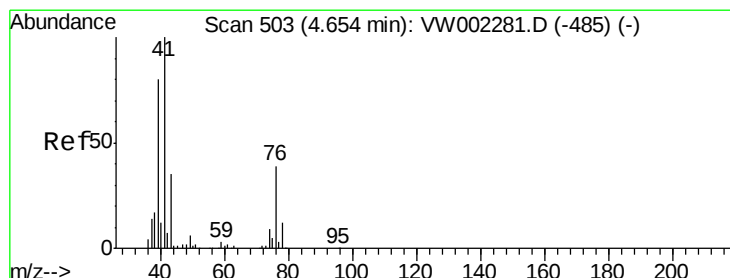
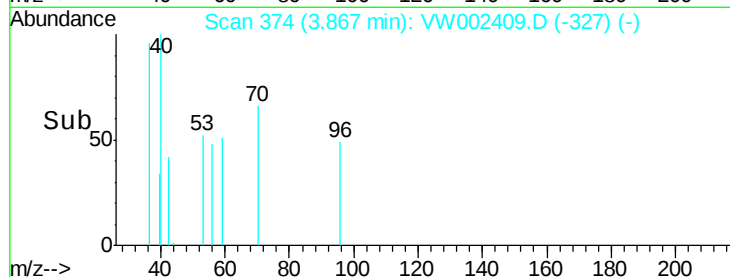
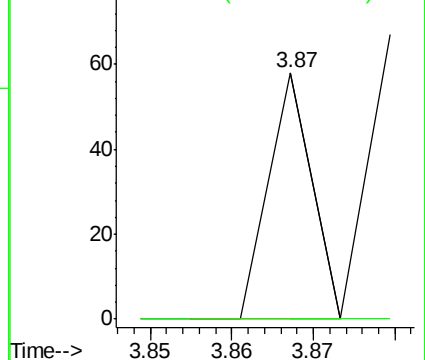
56 100

55 152.4 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 4.83 ug/l

RT: 4.67 min Scan# 505

Delta R.T. 0.01 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

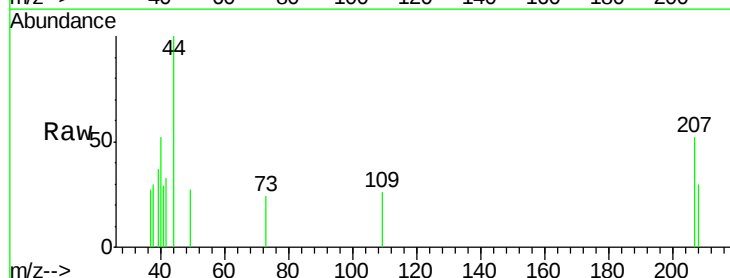
Tgt Ion: 41 Resp: 148

Ion Ratio Lower Upper

41 100

39 141.2 61.7 92.5#

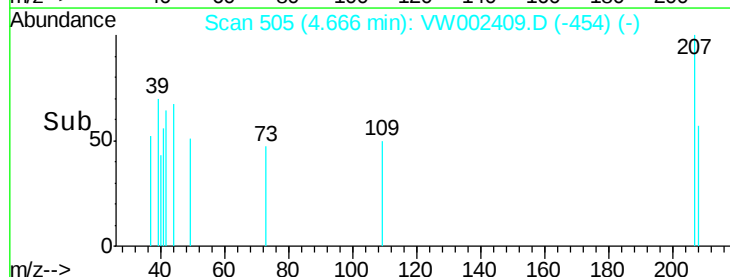
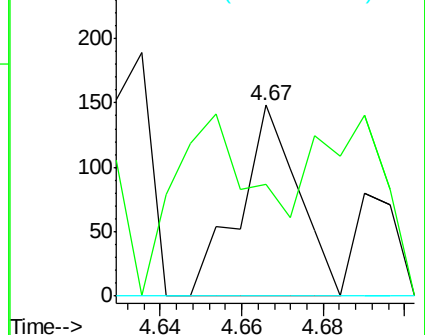
76 0.0 29.8 44.6#

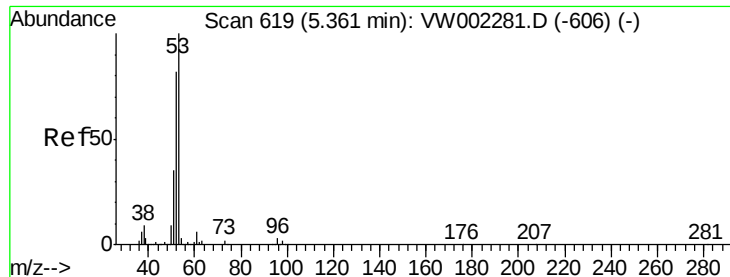


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 5.55 ug/l

RT: 5.34 min Scan# 615

Delta R.T. -0.02 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

Instrument :

MSVOA_W

ClientSampleId :

EPE-F-6A(100-102)

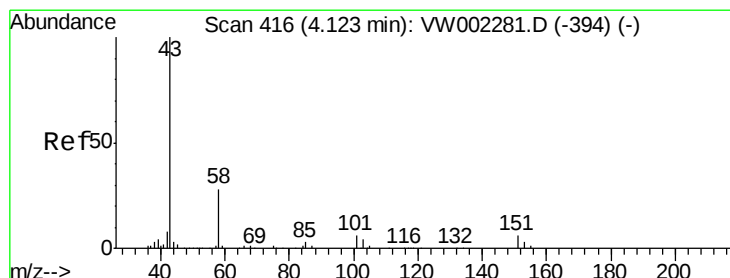
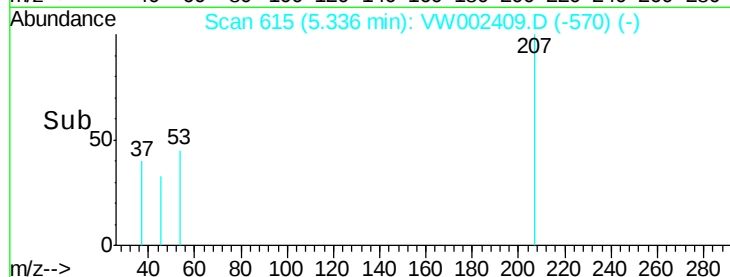
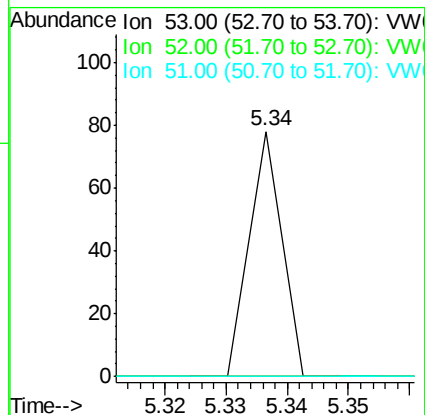
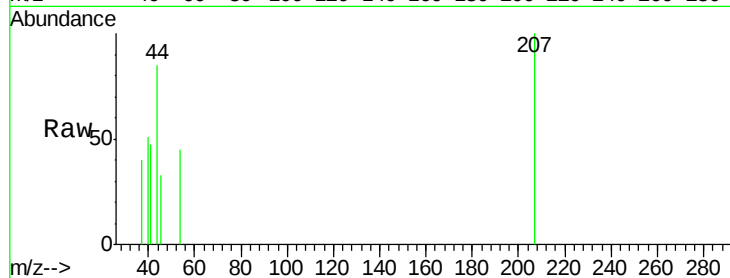
Tot Ion: 53 Resp: 29

Ion Ratio Lower Upper

53 100

52 0.0 67.9 101.9#

51 0.0 30.0 45.0#



#16

Acetone

Concen: 287.46 ug/l

RT: 4.13 min Scan# 417

Delta R.T. 0.01 min

Lab File: VW002409.D

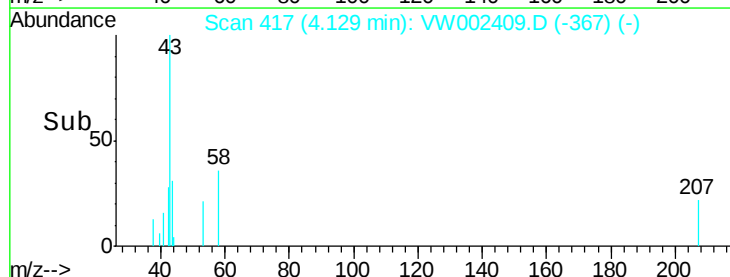
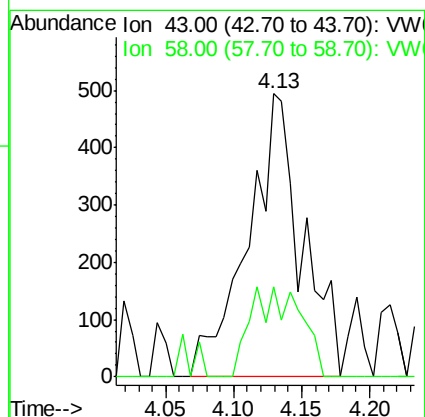
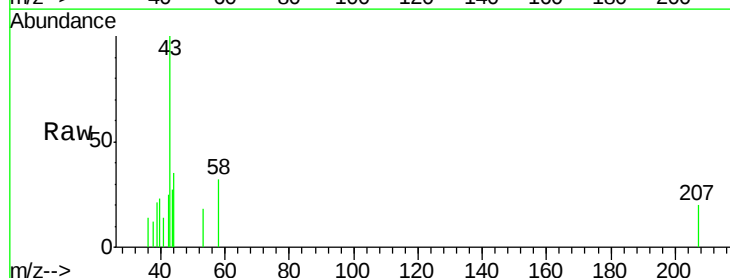
Acq: 11 May 2018 04:59

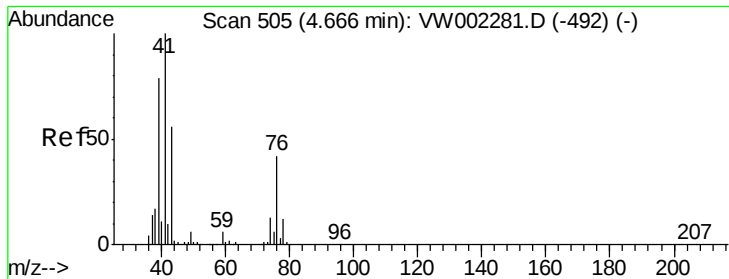
Tgt Ion: 43 Resp: 1373

Ion Ratio Lower Upper

43 100

58 31.8 22.2 33.4





#18

Methyl Acetate

Concen: 8.10 ug/l

RT: 4.69 min Scan# 509

Delta R.T. 0.02 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

Instrument :

MSVOA_W

ClientSampleId :

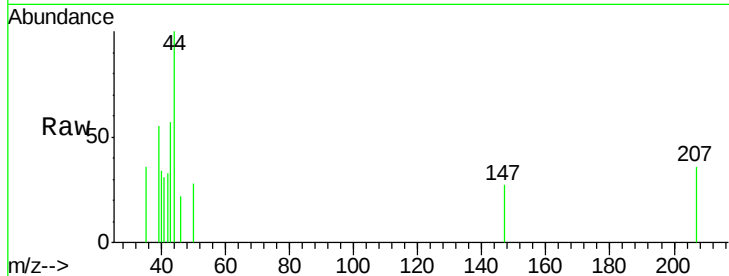
EPE-F-6A(100-102)

Tot Ion: 43 Resp: 116

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.69

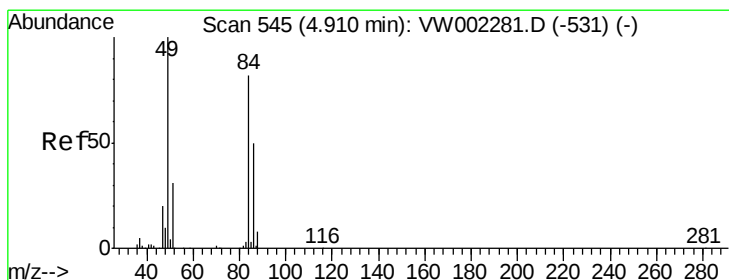
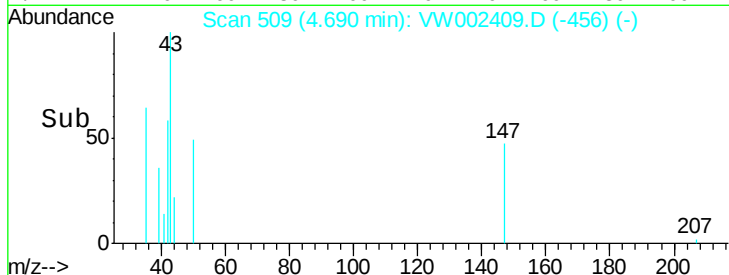
150

100

50

0

Time-->



#20

Methylene Chloride

Concen: 30.70 ug/l

RT: 4.92 min Scan# 547

Delta R.T. 0.01 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

Tgt Ion: 84 Resp: 707

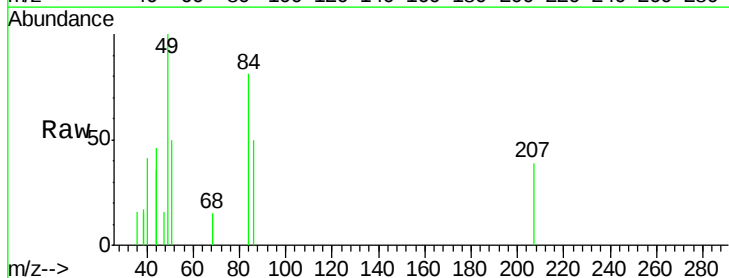
Ion Ratio Lower Upper

84 100

49 100.7 97.7 146.5

51 62.0 30.2 45.4#

86 62.0 48.9 73.3



Abundance Ion 83.90 (83.60 to 84.60): VW

Ion 48.90 (48.60 to 49.60): VW

Ion 50.90 (50.60 to 51.60): VW

Ion 85.90 (85.60 to 86.60): VW

500

400

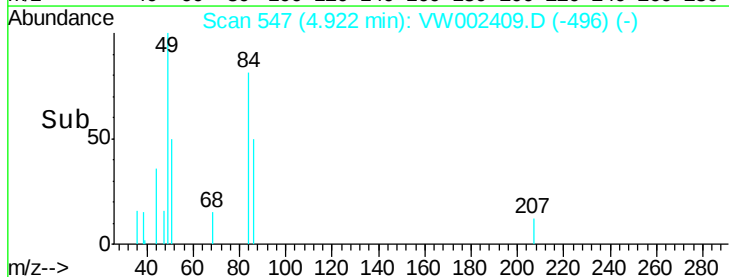
300

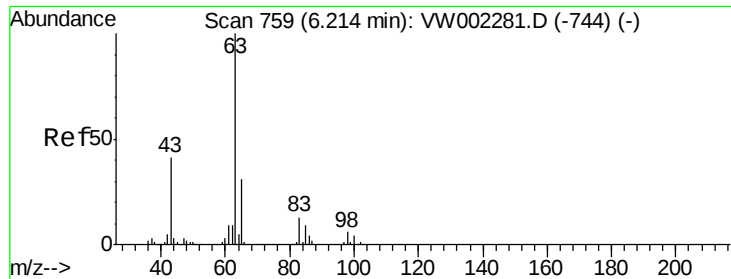
200

100

0

Time-->





#24

1,1-Dichloroethane

Concen: 2.41 ug/l

RT: 6.07 min Scan# 735

Delta R.T. -0.15 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

Instrument :

MSVOA_W

ClientSampleId :

EPE-F-6A(100-102)

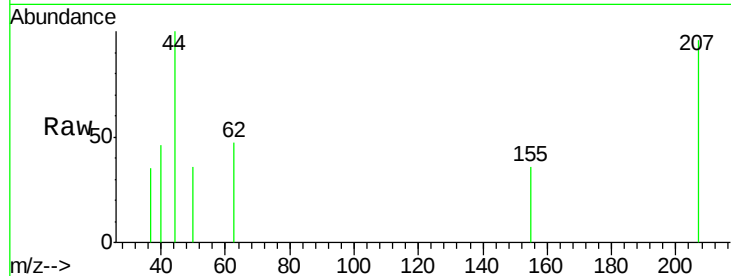
Tot Ion: 63 Resp: 98

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.7#

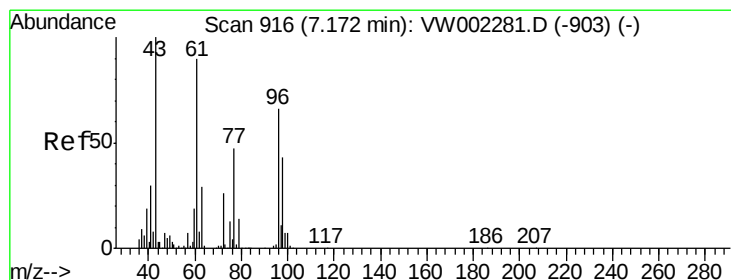
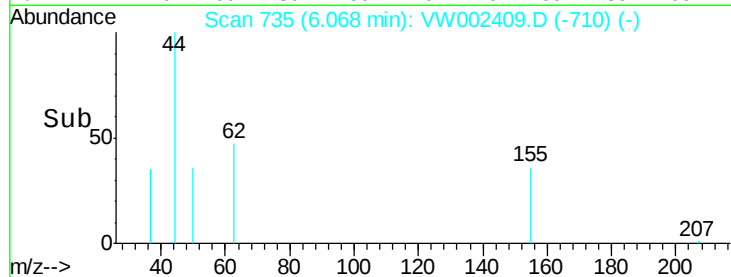
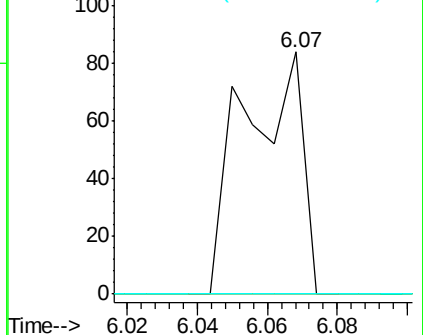
100 0.0 2.0 6.0#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



#25

2-Butanone

Concen: 11.56 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.01 min

Lab File: VW002409.D

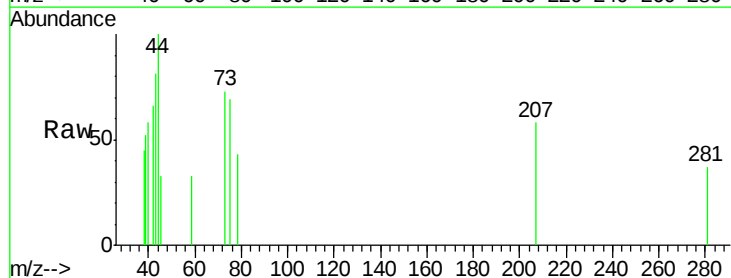
Acq: 11 May 2018 04:59

Tgt Ion: 43 Resp: 82

Ion Ratio Lower Upper

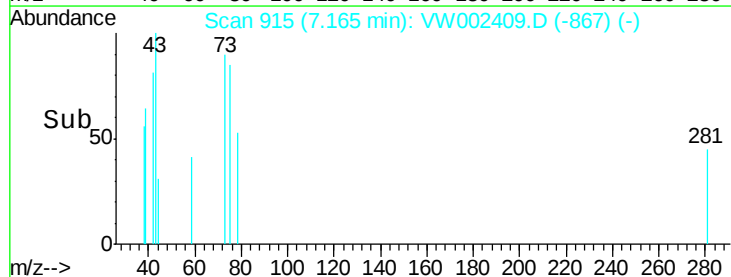
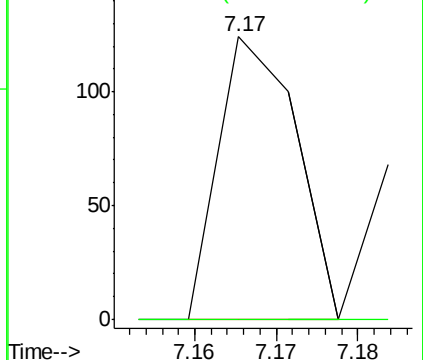
43 100

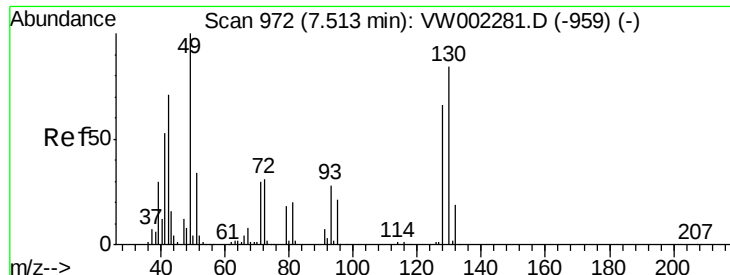
72 0.0 20.6 31.0#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW





#28

Bromochloromethane

Concen: 2.66 ug/l

RT: 7.52 min Scan# 973

Delta R.T. 0.01 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

Instrument :
MSVOA_W
ClientSampleId :
EPE-F-6A(100-102)

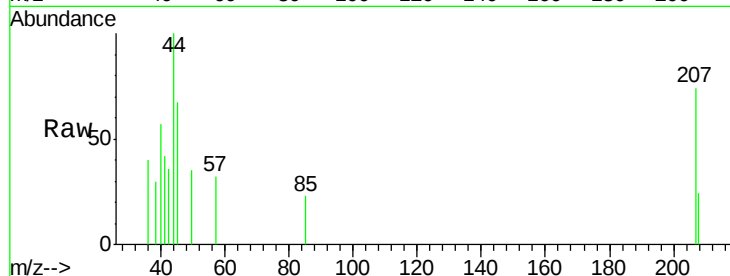
Tot Ion: 49 Resp: 49

Ion Ratio Lower Upper

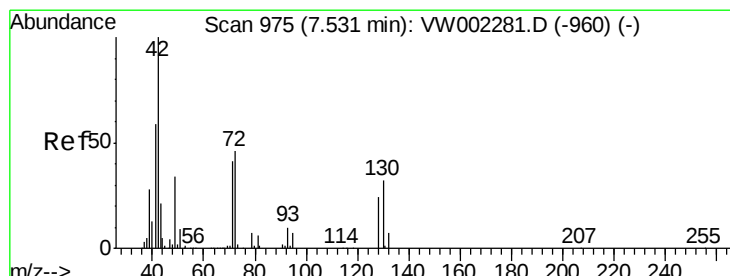
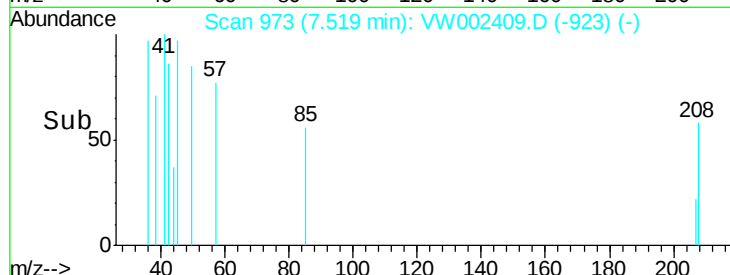
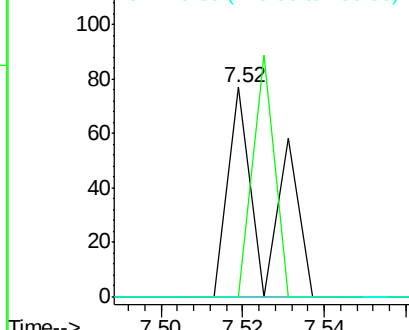
49 100

129 67.3 0.0 2.4#

130 0.0 65.5 98.3#



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 22.57 ug/l

RT: 7.52 min Scan# 973

Delta R.T. -0.01 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

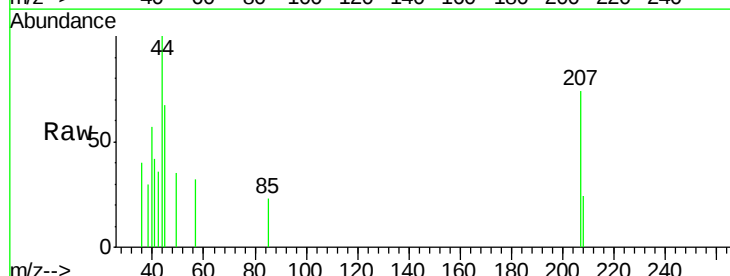
Tgt Ion: 42 Resp: 105

Ion Ratio Lower Upper

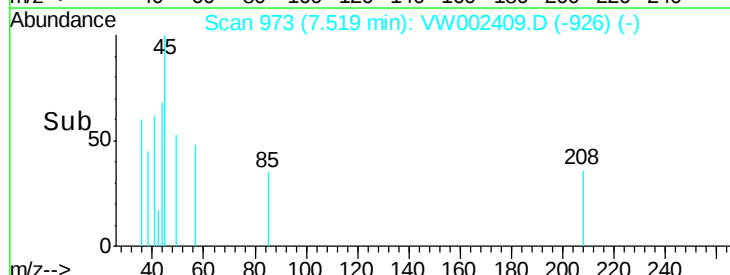
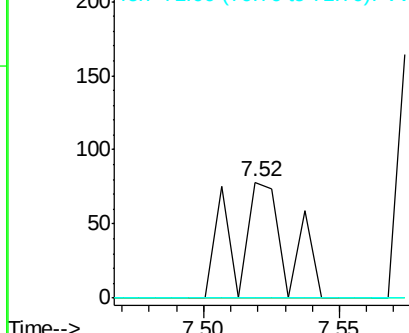
42 100

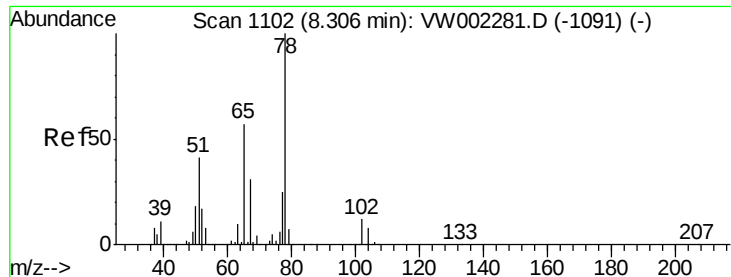
72 0.0 34.5 51.7#

71 0.0 33.0 49.6#



Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW





#33

1,2-Dichloroethane-d4

Concen: 156.56 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

Instrument :

MSVOA_W

ClientSampleId :

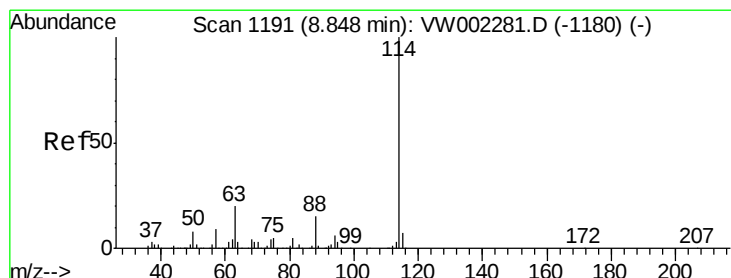
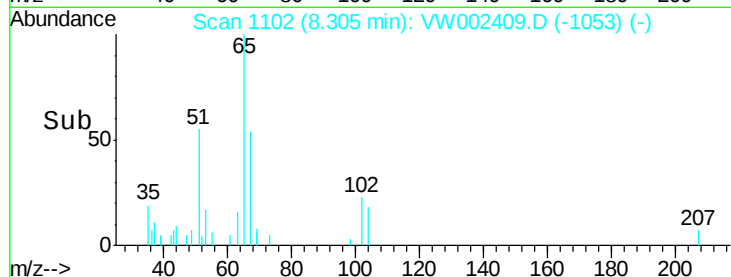
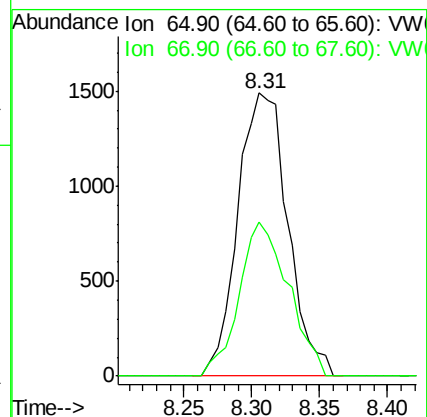
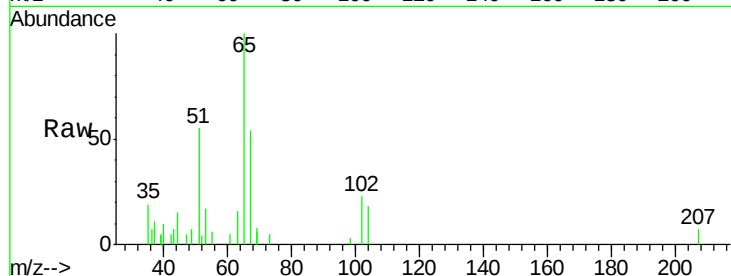
EPE-F-6A(100-102)

Tot Ion: 65 Resp: 3829

Ion Ratio Lower Upper

65 100

67 53.7 0.0 107.2



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

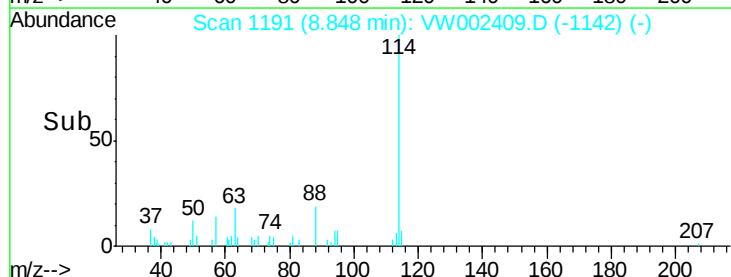
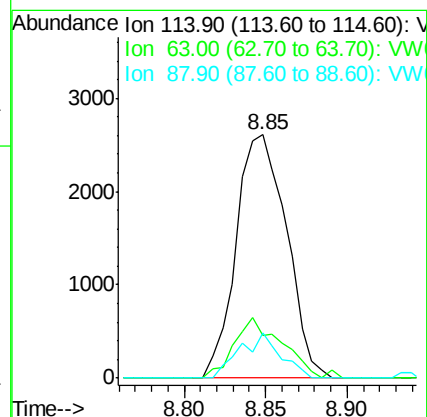
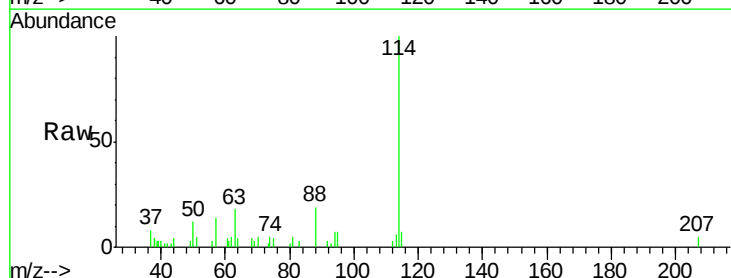
Tgt Ion: 114 Resp: 5600

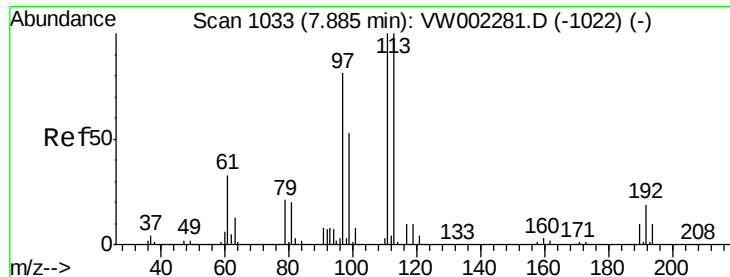
Ion Ratio Lower Upper

114 100

63 17.7 0.0 39.0

88 18.7 0.0 29.6

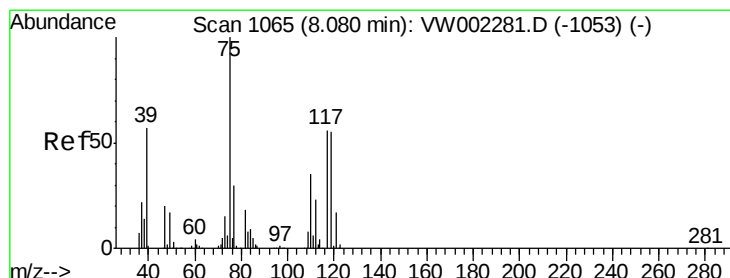
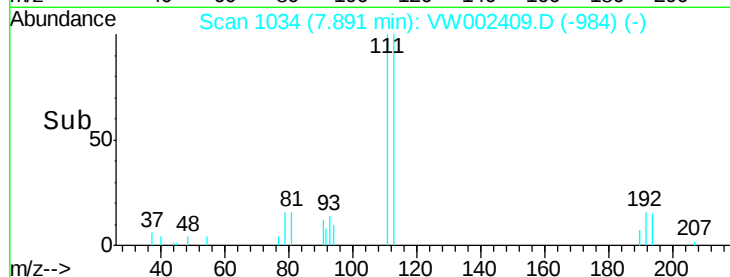
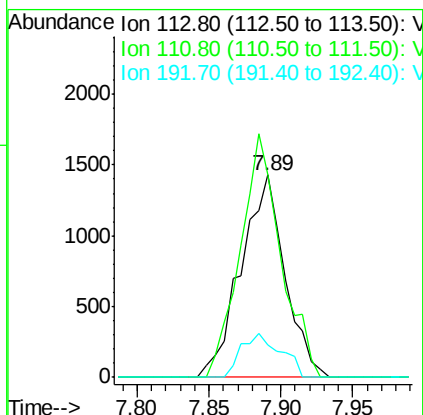
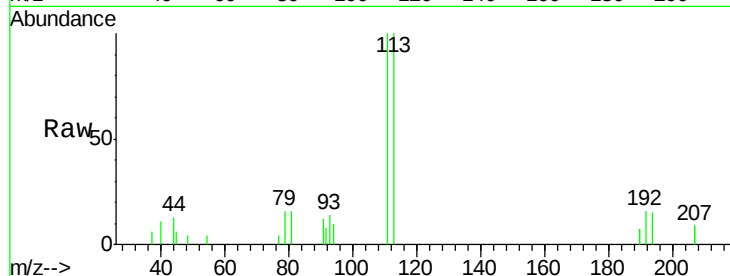




#35
 Dibromofluoromethane
 Concen: 84.22 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. 0.01 min
 Lab File: VW002409.D
 Acq: 11 May 2018 04:59

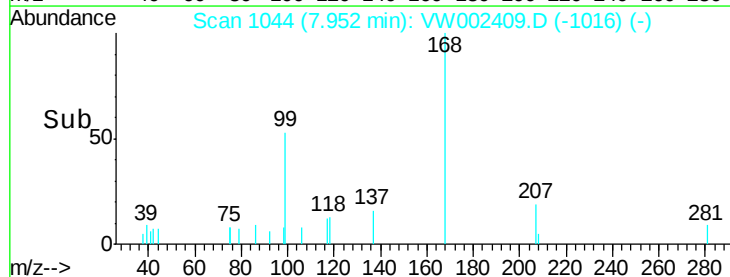
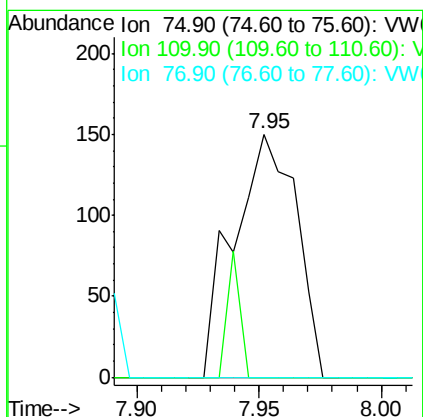
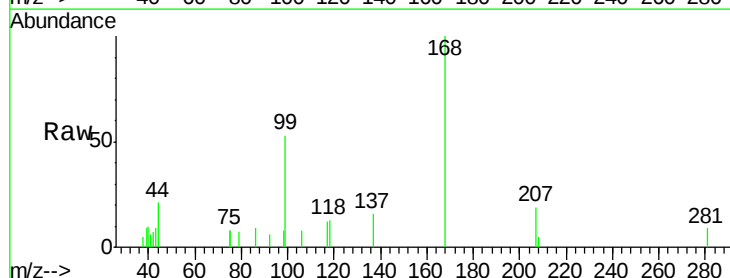
Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-F-6A(100-102)

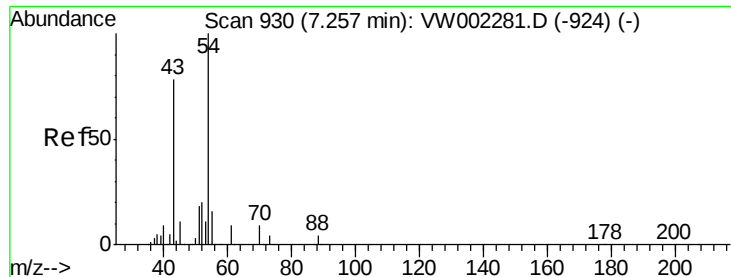
Tot Ion:113 Resp: 3023
 Ion Ratio Lower Upper
 113 100
 111 111.0 81.5 122.3
 192 19.5 16.4 24.6



#36
 1,1-Dichloropropene
 Concen: 5.29 ug/l
 RT: 7.95 min Scan# 1044
 Delta R.T. -0.13 min
 Lab File: VW002409.D
 Acq: 11 May 2018 04:59

Tgt Ion: 75 Resp: 268
 Ion Ratio Lower Upper
 75 100
 110 10.8 18.1 54.1#
 77 0.0 24.5 36.7#





#37

Ethyl Acetate

Concen: 5.15 ug/l

RT: 7.26 min Scan# 931

Delta R.T. 0.01 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

Instrument :

MSVOA_W

ClientSampleId :

EPE-F-6A(100-102)

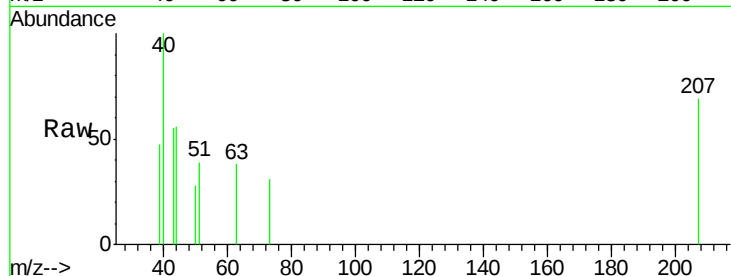
Tot Ion: 43 Resp: 127

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

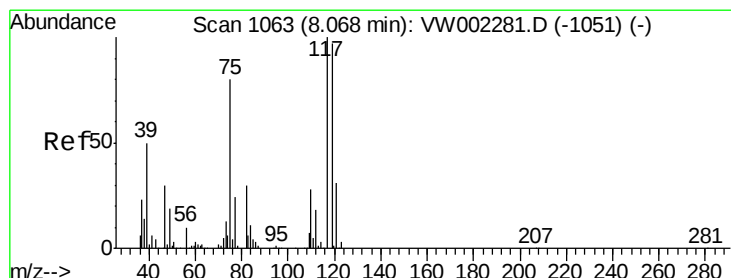
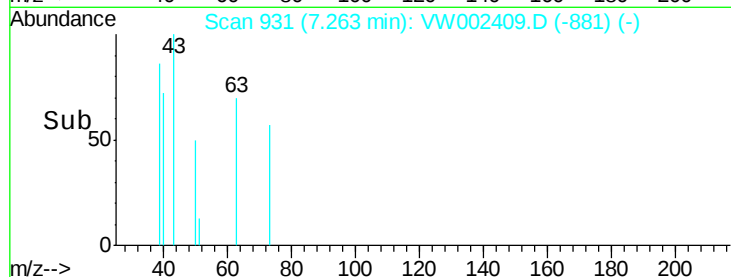
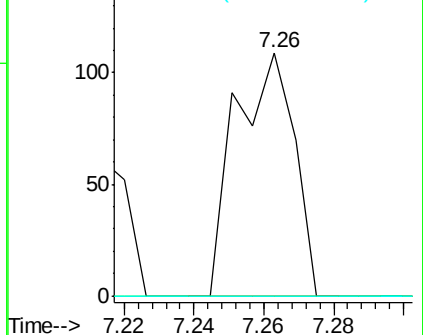
70 0.0 7.9 11.9#



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 70.00 (69.70 to 70.70): VW



#38

Carbon Tetrachloride

Concen: 4.33 ug/l

RT: 7.94 min Scan# 1042

Delta R.T. -0.13 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

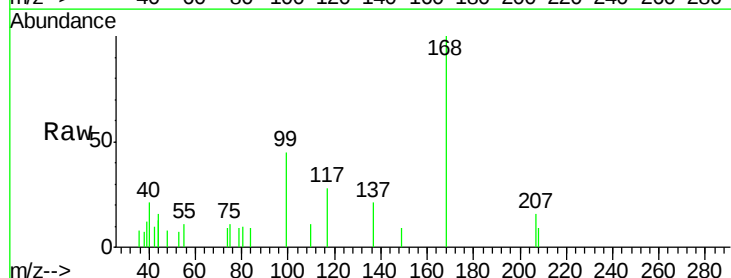
Tgt Ion: 117 Resp: 212

Ion Ratio Lower Upper

117 100

119 0.0 77.5 116.3#

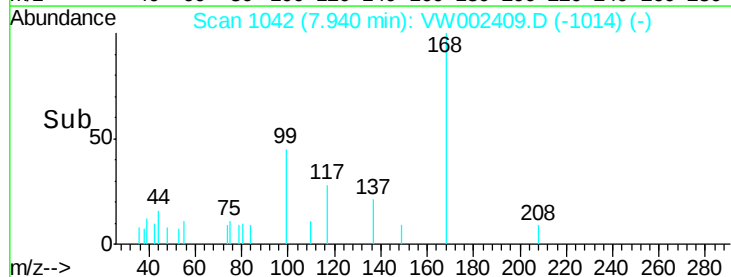
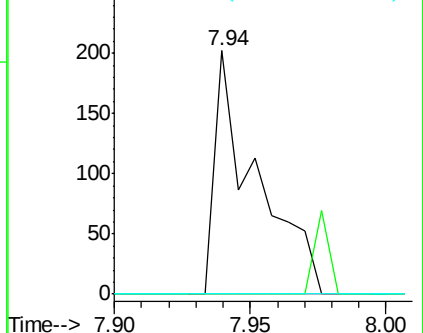
121 0.0 24.4 36.6#

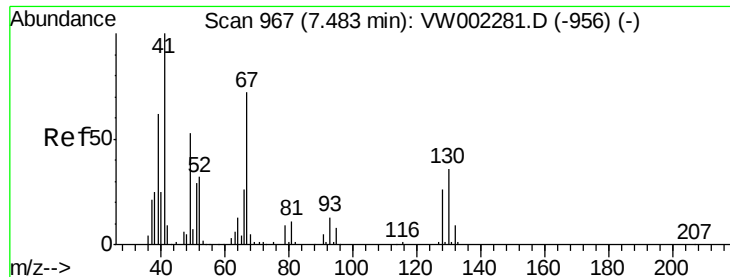


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#41

Methacrylonitrile

Concen: 8.27 ug/l

RT: 7.49 min Scan# 968

Delta R.T. 0.01 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

Instrument :

MSVOA_W

ClientSampleId :

EPE-F-6A(100-102)

Tot Ion: 41 Resp: 117

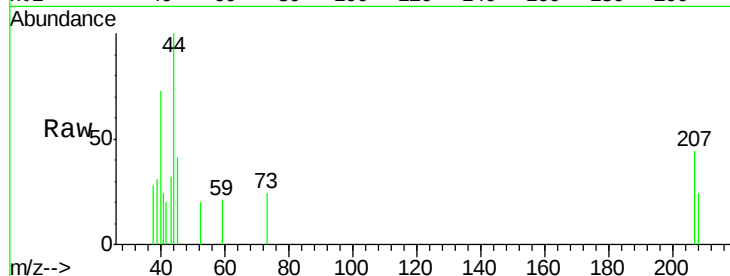
Ion Ratio Lower Upper

41 100

39 181.2 40.2 60.4#

67 0.0 54.7 82.1#

52 38.5 23.6 35.4#

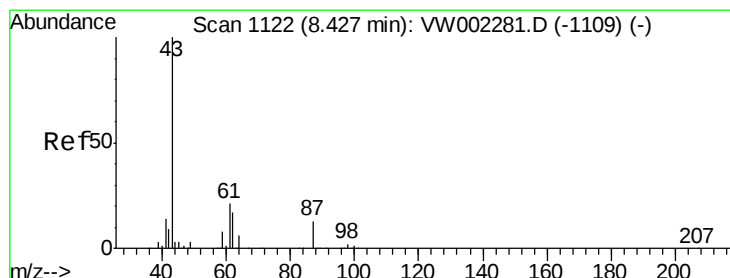
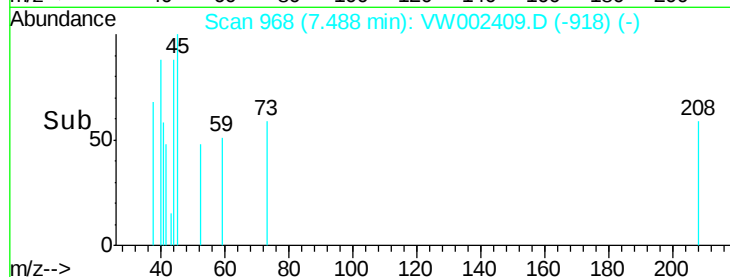
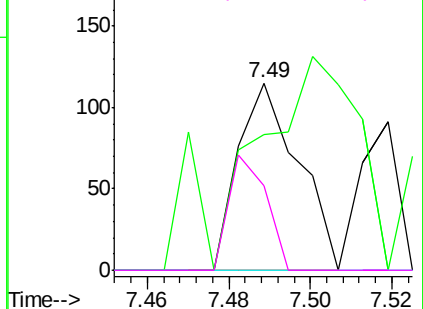


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 67.00 (66.70 to 67.70): VW

Ion 52.00 (51.70 to 52.70): VW



#43

Isopropyl Acetate

Concen: 2.16 ug/l

RT: 8.44 min Scan# 1124

Delta R.T. 0.01 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

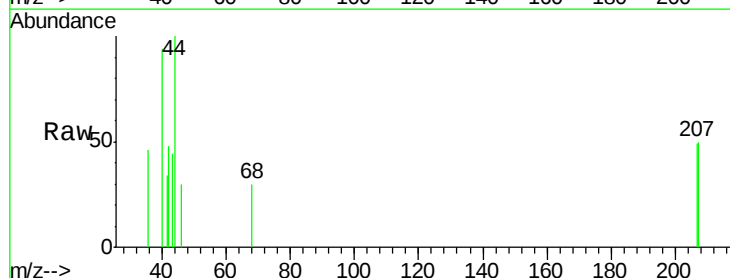
Tgt Ion: 43 Resp: 101

Ion Ratio Lower Upper

43 100

61 20.8 23.7 35.5#

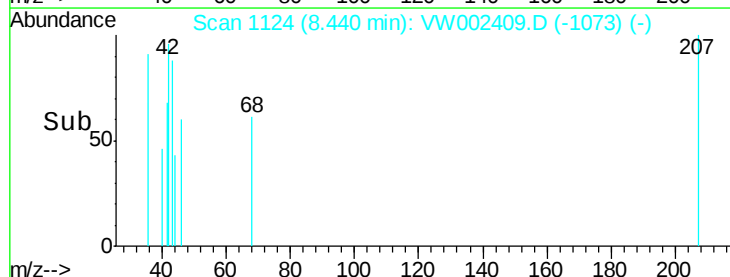
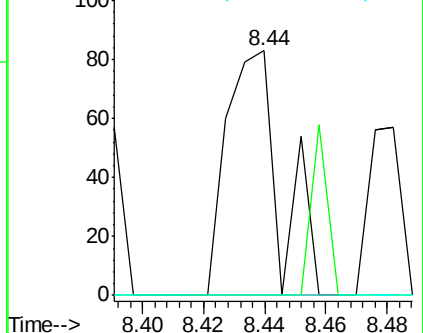
87 0.0 10.7 16.1#

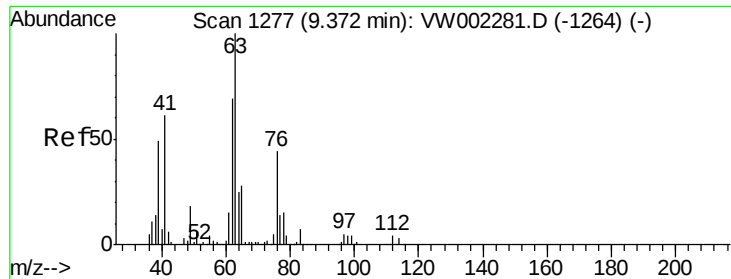


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW

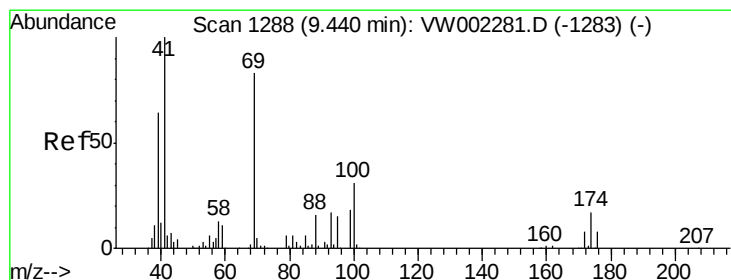
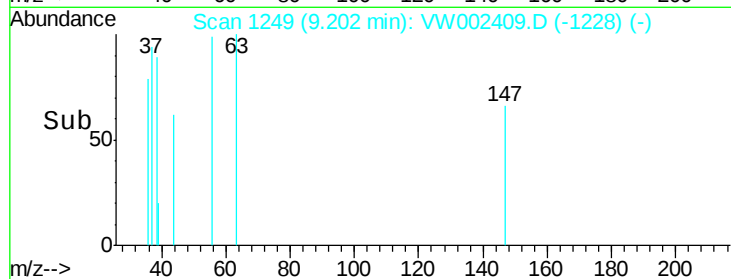
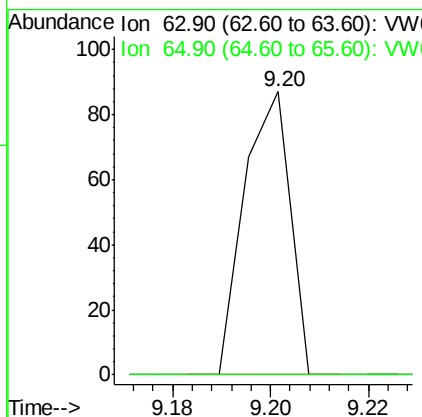
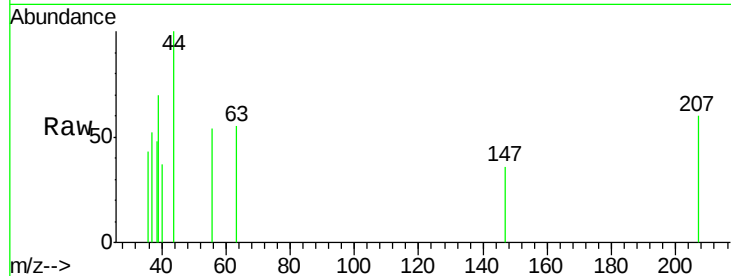




#45
 1,2-Dichloropropane
 Concen: 1.51 ug/l
 RT: 9.20 min Scan# 1249
 Delta R.T. -0.17 min
 Lab File: VW002409.D
 Acq: 11 May 2018 04:59

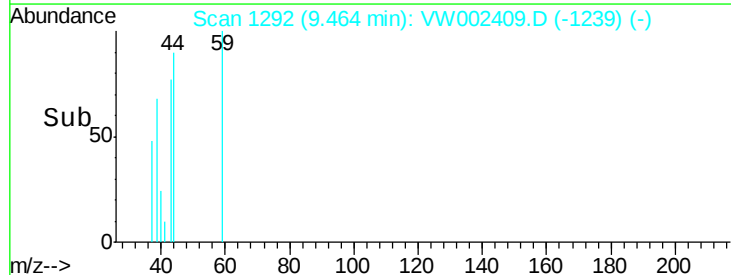
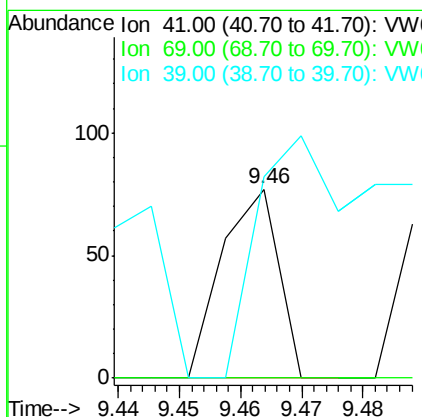
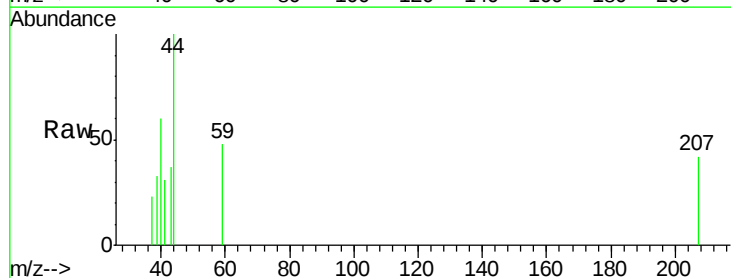
Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-F-6A(100-102)

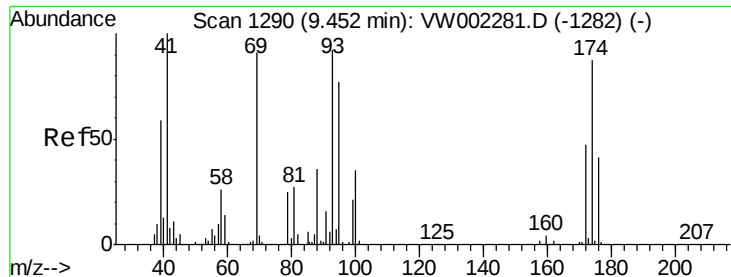
Tot Ion: 63 Resp: 56
 Ion Ratio Lower Upper
 63 100
 65 0.0 22.9 34.3#



#48
 Methyl methacrylate
 Concen: 2.16 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.02 min
 Lab File: VW002409.D
 Acq: 11 May 2018 04:59

Tgt Ion: 41 Resp: 49
 Ion Ratio Lower Upper
 41 100
 69 0.0 69.9 104.9#
 39 361.2 54.0 81.0#





#49

1,4-Dioxane

Concen: 136.63 ug/l

RT: 9.24 min Scan# 1256

Delta R.T. -0.21 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

Instrument :

MSVOA_W

ClientSampleId :

EPE-F-6A(100-102)

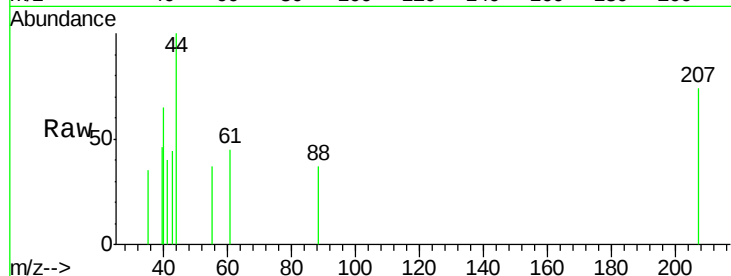
Tot Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 193.3 26.3 39.5#

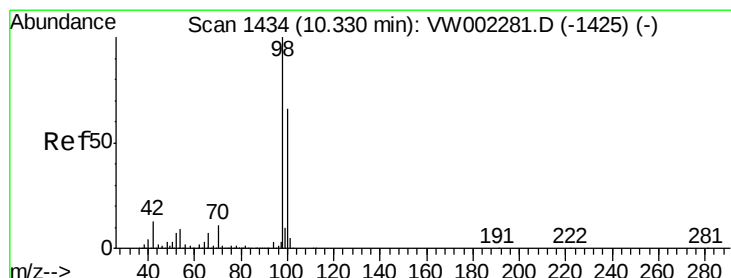
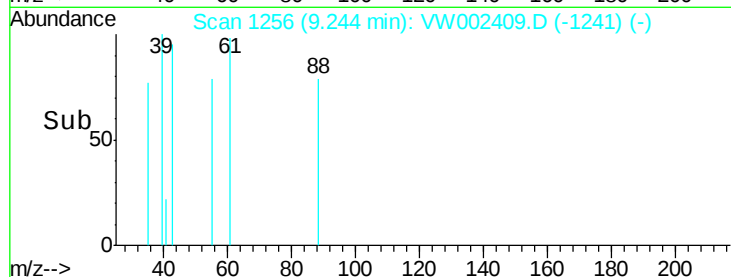
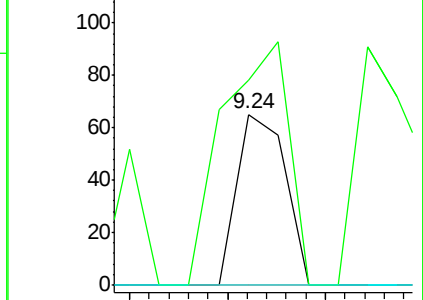
58 0.0 56.0 84.0#



Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50

Toluene-d8

Concen: 33.17 ug/l

RT: 10.34 min Scan# 1435

Delta R.T. 0.01 min

Lab File: VW002409.D

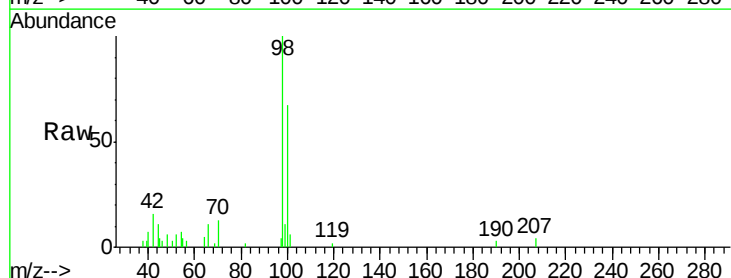
Acq: 11 May 2018 04:59

Tgt Ion: 98 Resp: 4540

Ion Ratio Lower Upper

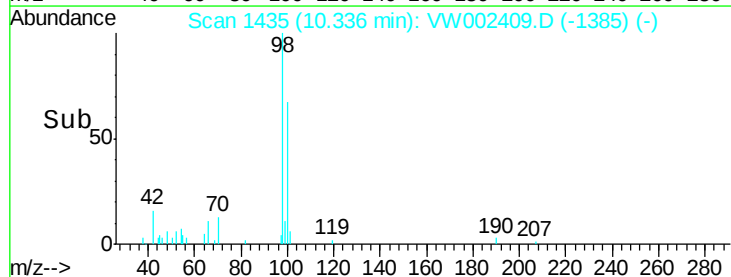
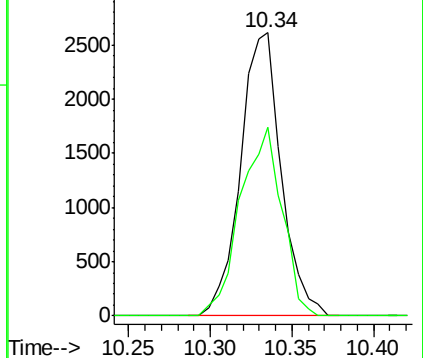
98 100

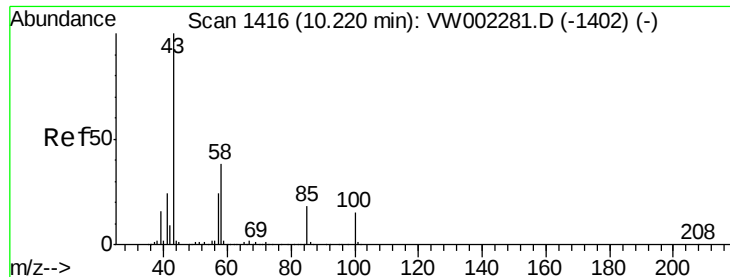
100 68.1 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 4.57 ug/l

RT: 10.34 min Scan# 1436

Delta R.T. 0.12 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

Instrument :

MSVOA_W

ClientSampleId :

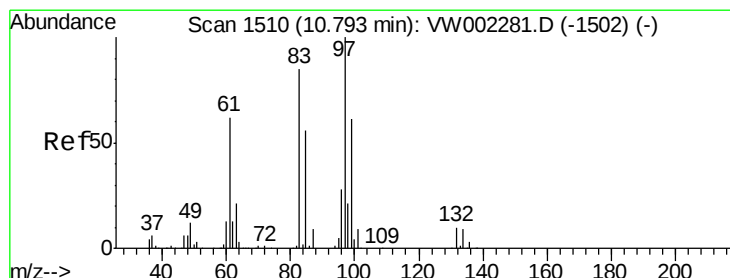
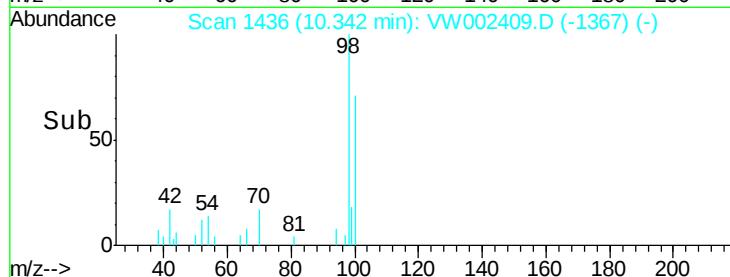
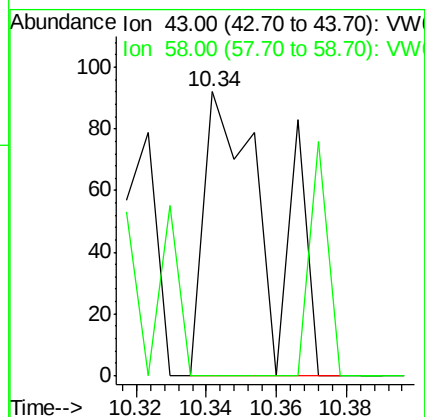
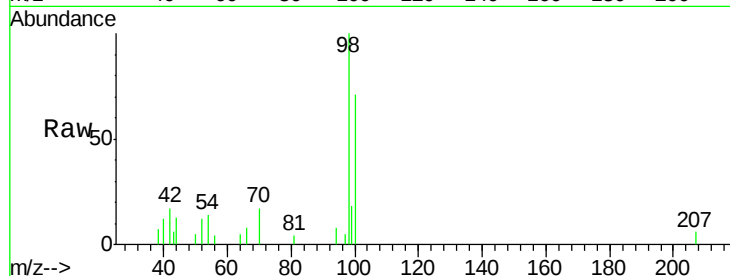
EPE-F-6A(100-102)

Tot Ion: 43 Resp: 118

Ion Ratio Lower Upper

43 100

58 33.1 30.2 45.2



#55

1,1,2-Trichloroethane

Concen: 1.30 ug/l

RT: 10.67 min Scan# 1490

Delta R.T. -0.12 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

Tgt Ion: 97 Resp: 38

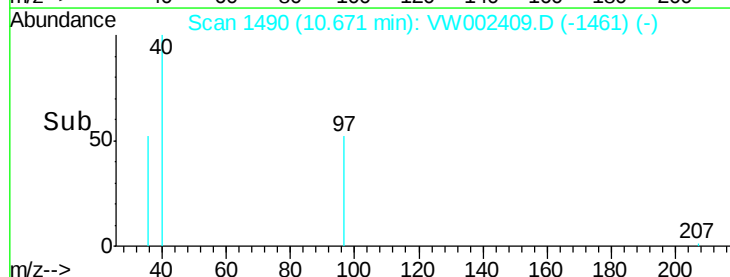
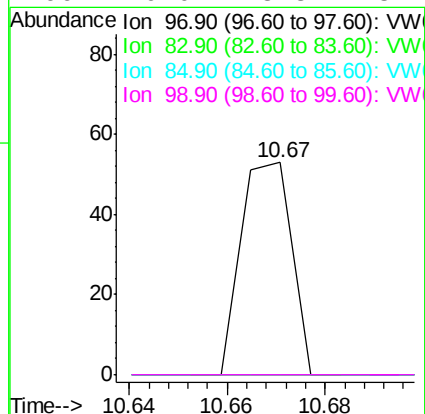
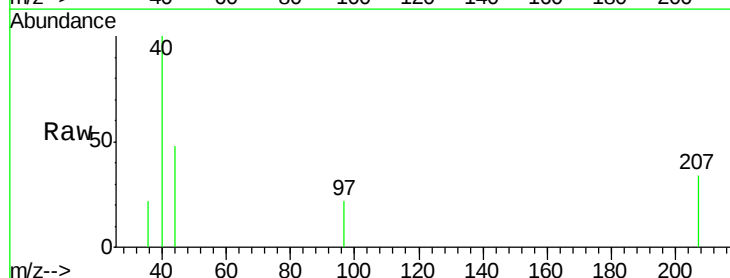
Ion Ratio Lower Upper

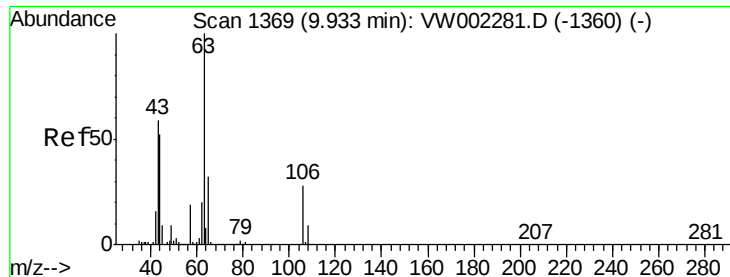
97 100

83 0.0 68.4 102.6#

85 0.0 44.6 67.0#

99 0.0 48.8 73.2#





#58

2-Chloroethyl Vinyl ether

Concen: 2.97 ug/l

RT: 9.92 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

Instrument :

MSVOA_W

ClientSampleId :

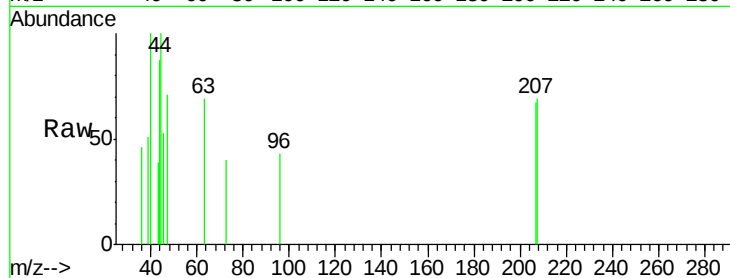
EPE-F-6A(100-102)

Tot Ion: 63 Resp: 52

Ion Ratio Lower Upper

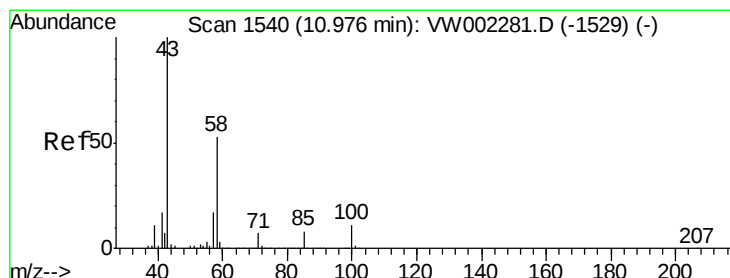
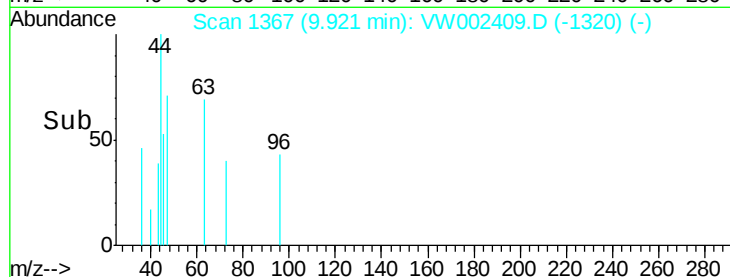
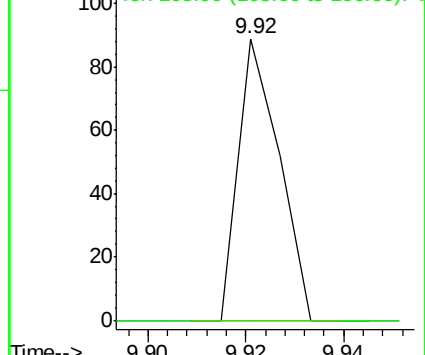
63 100

106 0.0 22.5 33.7#



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 105.90 (105.60 to 106.60): V



#59

2-Hexanone

Concen: 2.77 ug/l

RT: 11.00 min Scan# 1544

Delta R.T. 0.02 min

Lab File: VW002409.D

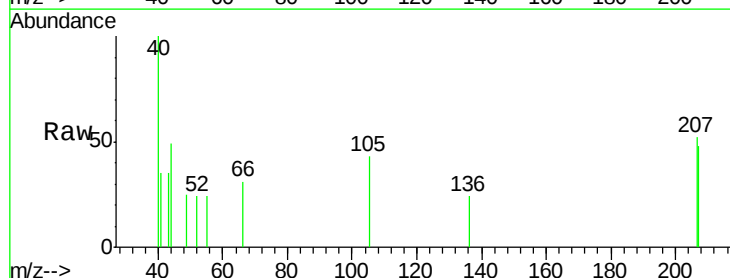
Acq: 11 May 2018 04:59

Tgt Ion: 43 Resp: 49

Ion Ratio Lower Upper

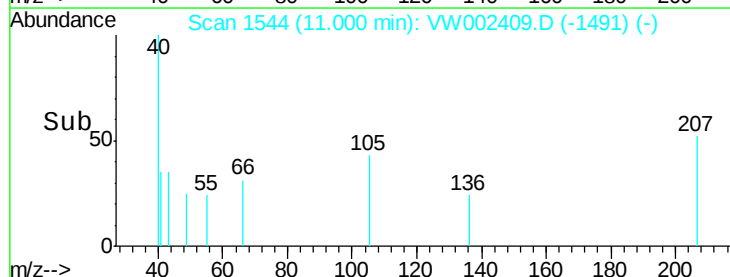
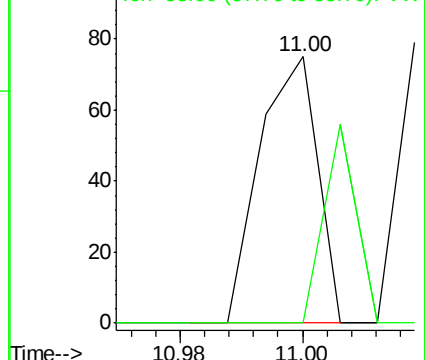
43 100

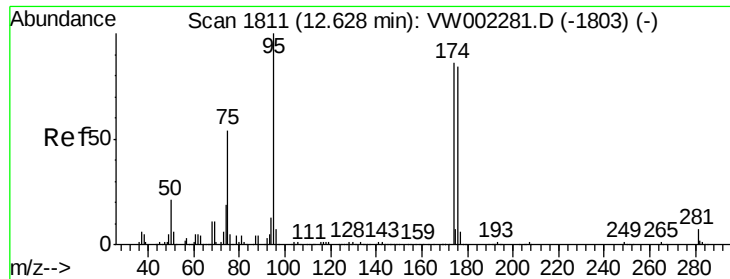
58 40.8 26.0 78.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

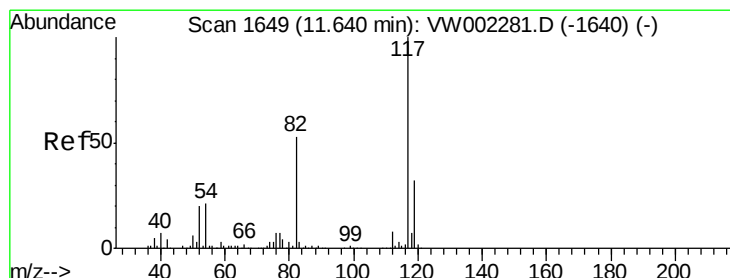
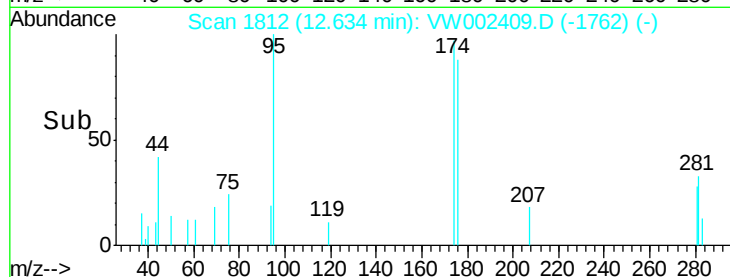
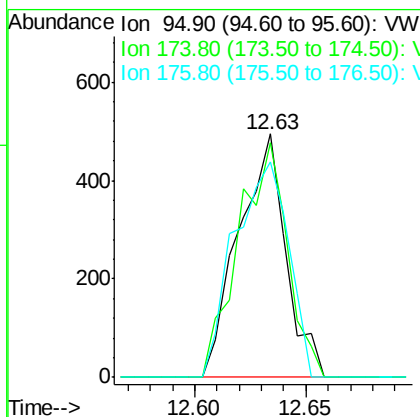
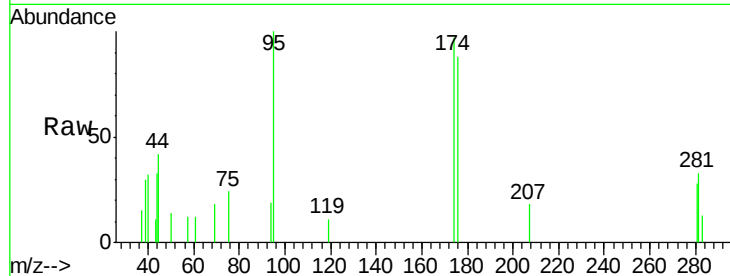




#62
4-Bromofluorobenzene
Concen: 14.72 ug/l
RT: 12.63 min Scan# 1812
Delta R.T. 0.01 min
Lab File: VW002409.D
Acq: 11 May 2018 04:59

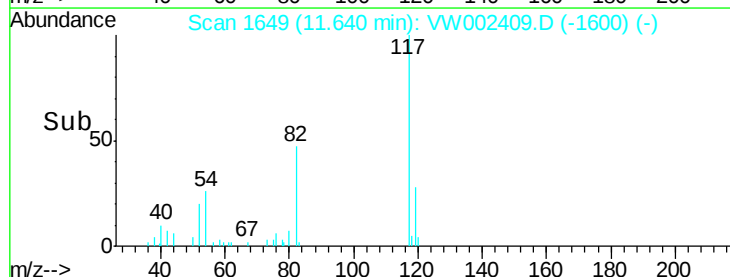
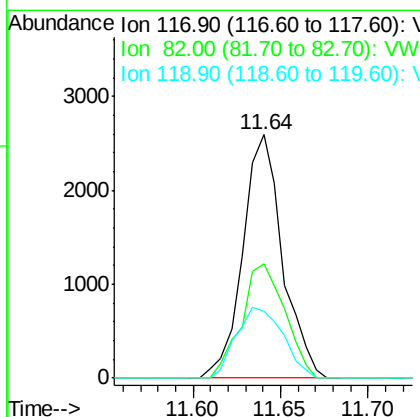
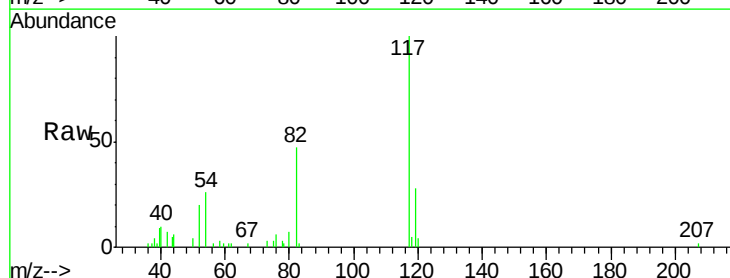
Instrument :
MSVOA_W
ClientSampleId :
EPE-F-6A(100-102)

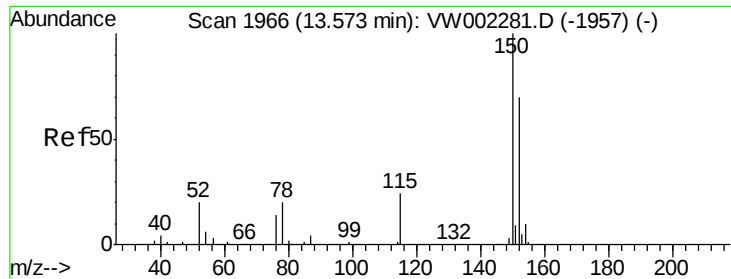
Tot Ion: 95 Resp: 728
Ion Ratio Lower Upper
95 100
174 100.1 0.0 176.8
176 101.2 0.0 170.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002409.D
Acq: 11 May 2018 04:59

Tgt Ion: 117 Resp: 4086
Ion Ratio Lower Upper
117 100
82 46.8 42.6 63.8
119 27.7 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

Instrument :

MSVOA_W

ClientSampleId :

EPE-F-6A(100-102)

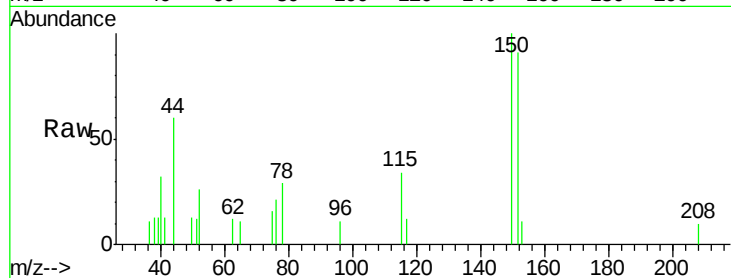
Tot Ion:152 Resp: 817

Ion Ratio Lower Upper

152 100

115 58.8 28.5 85.5

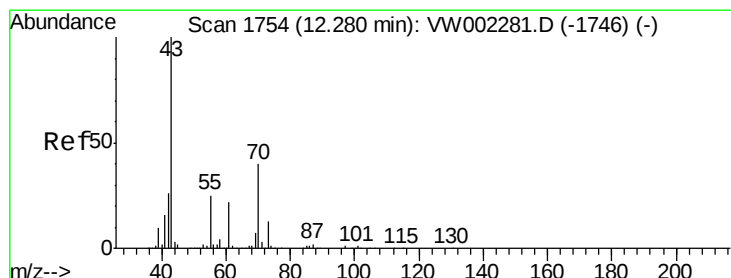
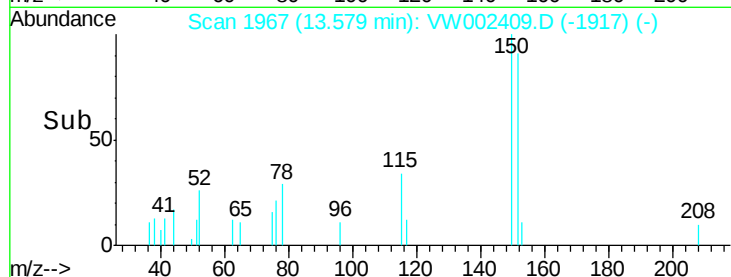
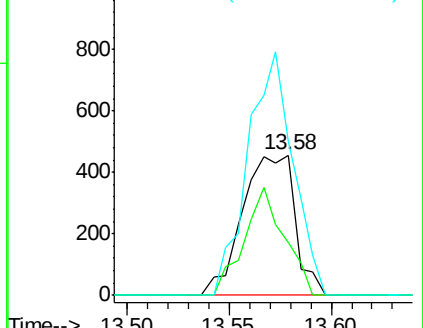
150 149.1 0.0 342.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#74

N-ethyl acetate

Concen: 7.61 ug/l

RT: 12.26 min Scan# 1751

Delta R.T. -0.02 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

Tgt Ion: 43 Resp: 101

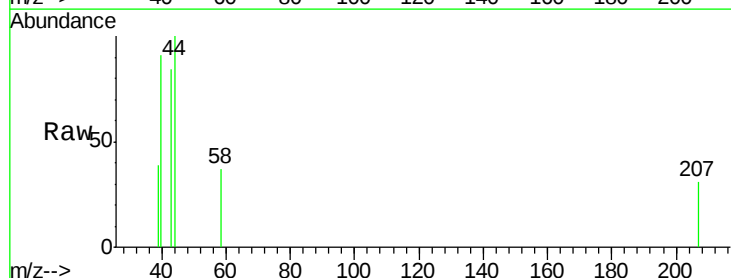
Ion Ratio Lower Upper

43 100

70 52.5 31.9 47.9#

55 18.8 19.9 29.9#

61 0.0 18.2 27.2#

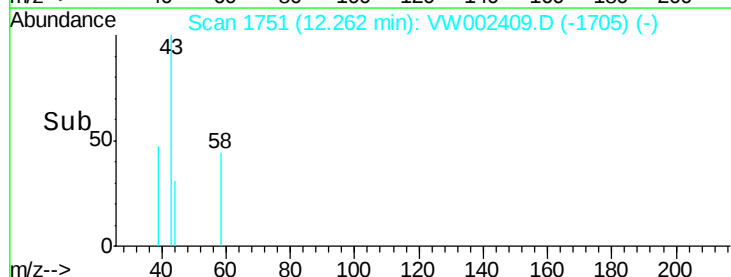
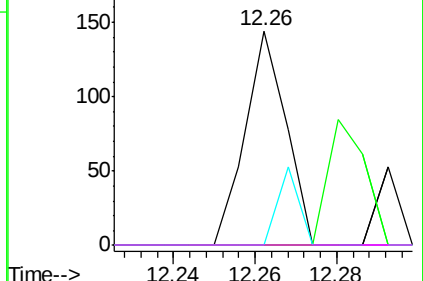


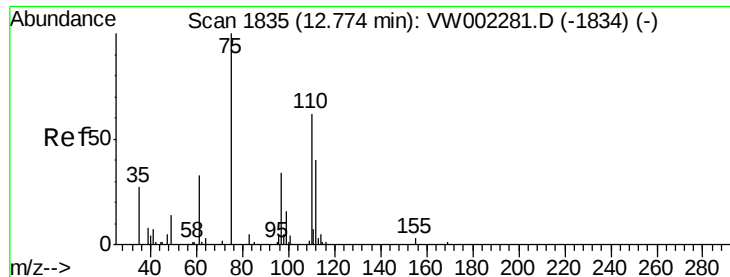
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#76

1,2,3-Trichloropropane

Concen: 70.53 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

Instrument :

MSVOA_W

ClientSampleId :

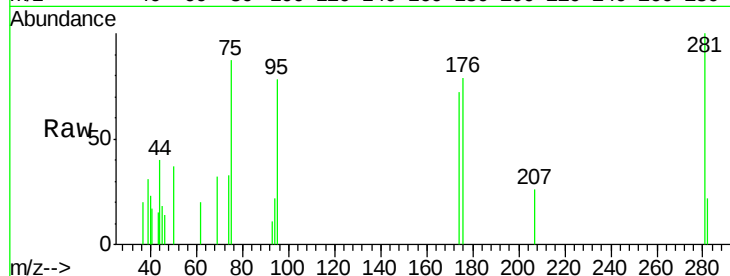
EPE-F-6A(100-102)

Tot Ion: 75 Resp: 511

Ion Ratio Lower Upper

75 100

77 7.8 187.5 562.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

12.63

400

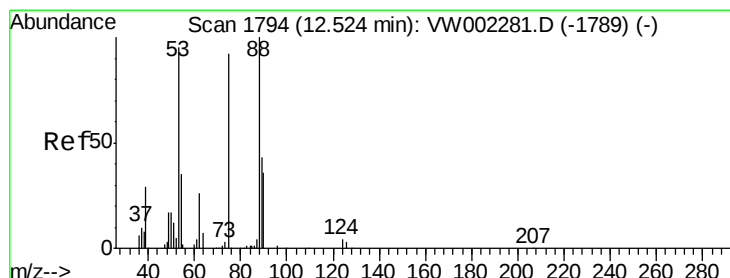
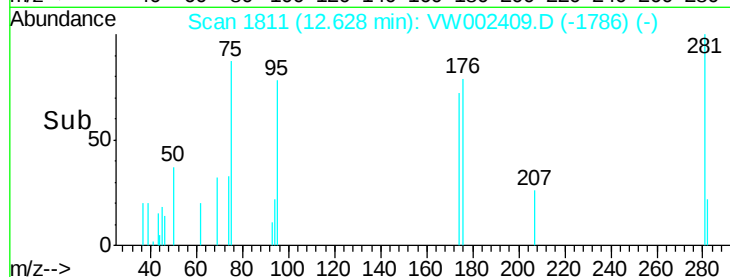
300

200

100

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 185.79 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002409.D

Acq: 11 May 2018 04:59

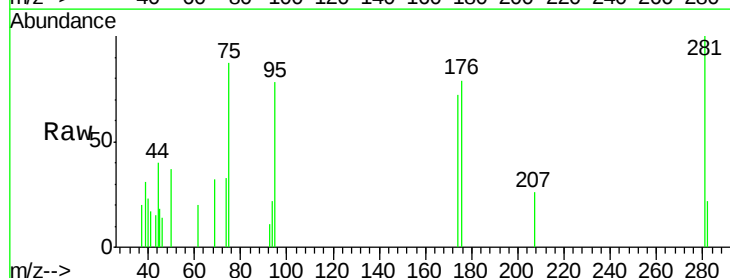
Tgt Ion: 75 Resp: 511

Ion Ratio Lower Upper

75 100

53 10.8 79.9 119.9#

89 0.0 37.6 56.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW

12.63

400

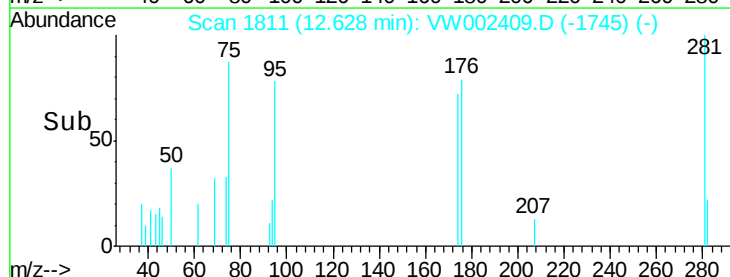
300

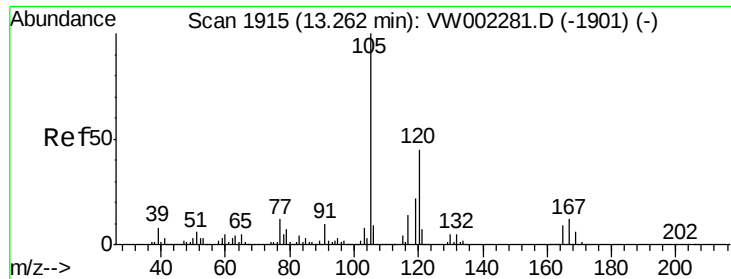
200

100

0

Time-->

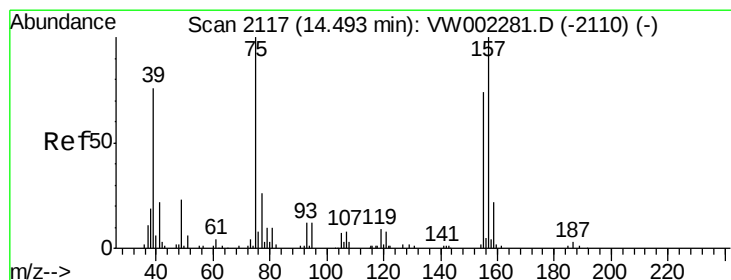
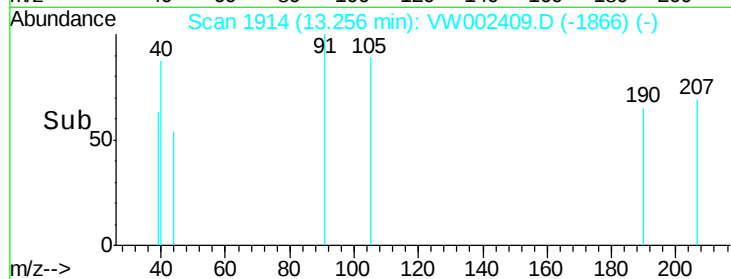
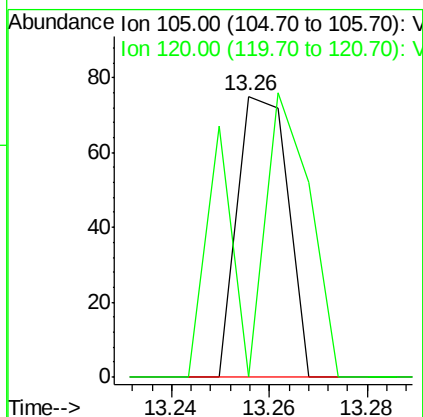
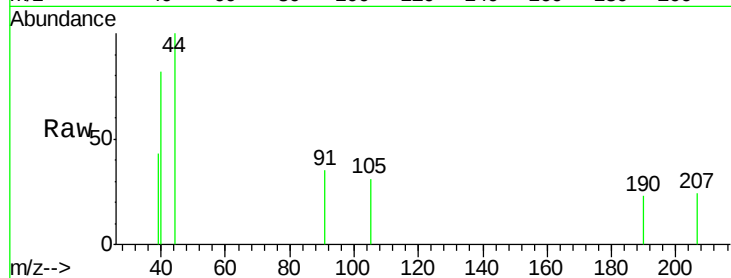




#84
 1,2,4-Trimethylbenzene
 Concen: 1.17 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.01 min
 Lab File: VW002409.D
 Acq: 11 May 2018 04:59

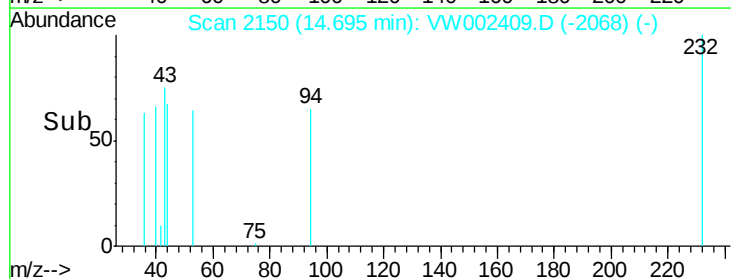
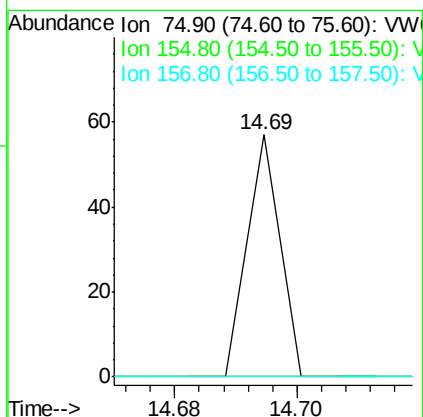
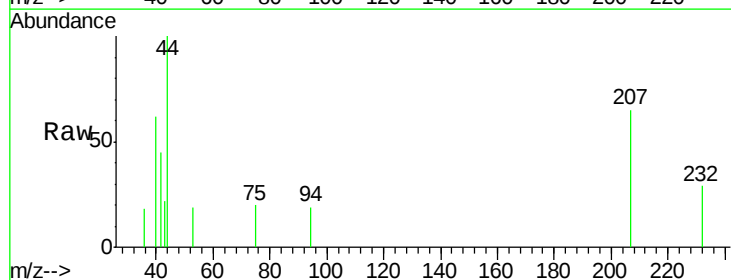
Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-F-6A(100-102)

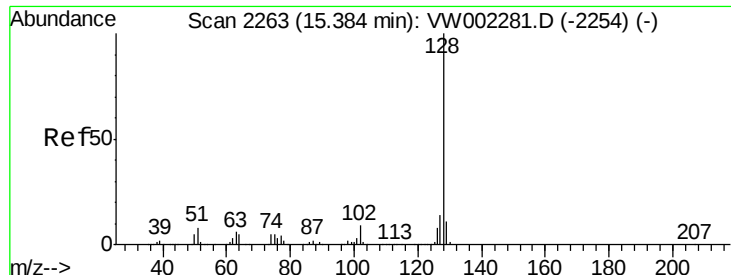
Tot Ion:105 Resp: 54
 Ion Ratio Lower Upper
 105 100
 120 131.5 22.5 67.5#



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.84 ug/l
 RT: 14.69 min Scan# 2150
 Delta R.T. 0.20 min
 Lab File: VW002409.D
 Acq: 11 May 2018 04:59

Tgt Ion: 75 Resp: 21
 Ion Ratio Lower Upper
 75 100
 155 0.0 43.3 129.8#
 157 0.0 55.8 167.4#





#95

Naphthalene

Concen: 4.72 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW002409.D

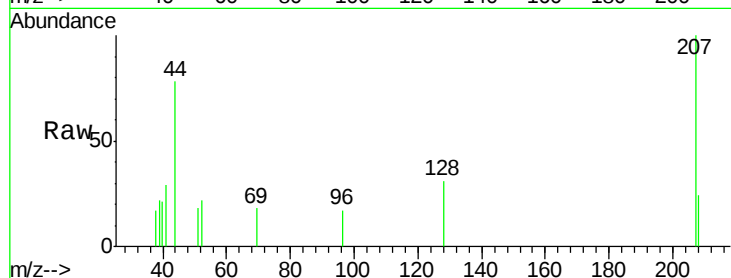
Acq: 11 May 2018 04:59

Instrument :

MSVOA_W

ClientSampleId :

EPE-F-6A(100-102)



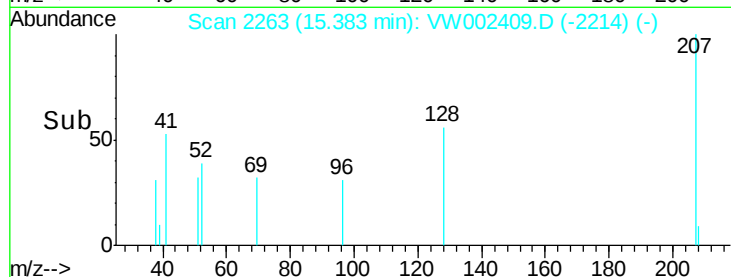
Tot Ion:128 Resp: 149

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

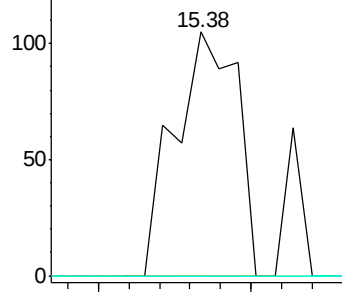
129 0.0 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



Time-->