

Data File : VW002354.D
Acq On : 10 May 2018 03:25
Operator : JC/SY
Sample : J2730-05
Misc : 6.55G/5ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EPE-MX-1(95-97)

Quant Time: May 10 05:52:22 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	62178	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	127640	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	50150	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	3902	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	47776	72.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	144.72%	
35) Dibromofluoromethane	7.88	113	49493	60.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.00%	
50) Toluene-d8	10.33	98	86016	27.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	55.14%	
62) 4-Bromofluorobenzene	12.63	95	6673	5.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	11.84%	

Target Compounds			Qvalue			
11) Tert butyl alcohol	5.19	59	56	1.17	ug/l #	85
13) Acrolein	3.91	56	61	1.52	ug/l #	76
16) Acetone	4.12	43	7881	61.12	ug/l	96
17) Carbon Disulfide	4.36	76	2436	1.49	ug/l #	90
18) Methyl Acetate	4.68	43	475	1.23	ug/l #	51
20) Methylene Chloride	4.90	84	10482	16.86	ug/l	94
25) 2-Butanone	7.20	43	772	4.03	ug/l #	71
29) Tetrahydrofuran	7.55	42	272	2.17	ug/l #	40
31) Cyclohexane	7.94	56	1544	1.57	ug/l #	68
36) 1,1-Dichloropropene	7.95	75	4553	3.94	ug/l #	52
38) Carbon Tetrachloride	7.94	117	6038	5.41	ug/l #	17
49) 1,4-Dioxane	9.46	88	53	7.06	ug/l #	1
74) N-amyl acetate	12.30	43	91	1.43	ug/l #	54
76) 1,2,3-Trichloropropane	12.63	75	3776	109.13	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	3776	287.46	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.26	105	450	2.04	ug/l #	43
92) 1,2-Dibromo-3-Chloropropan	14.46	75	29	3.42	ug/l #	1
95) Naphthalene	15.38	128	2016	13.37	ug/l #	94

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

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ALS Vial : 1 Sample Multiplier: 1

Instrument :

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ClientSampleId :

EPE-MX-1(95-97)

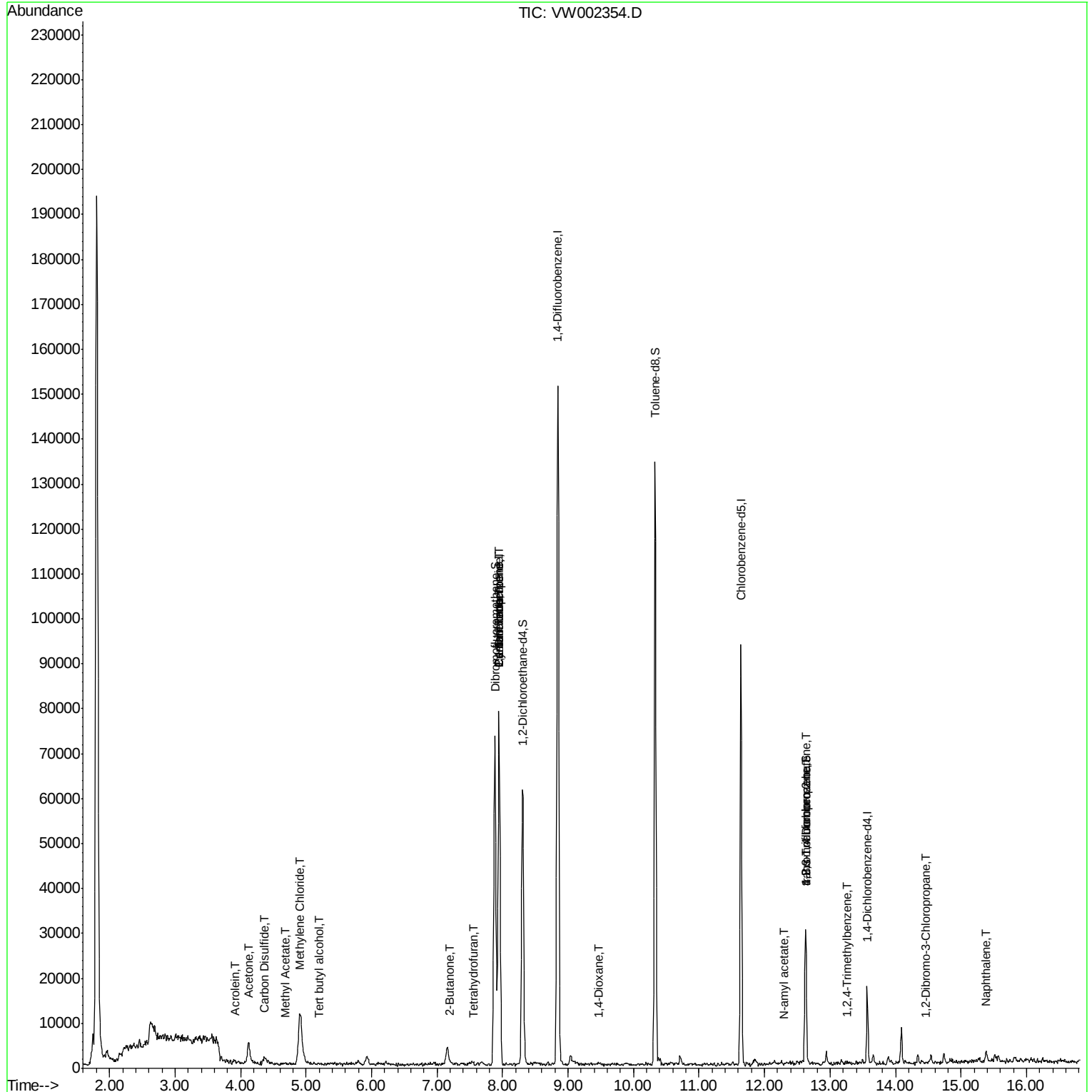
Quant Time: May 10 05:52:22 2018

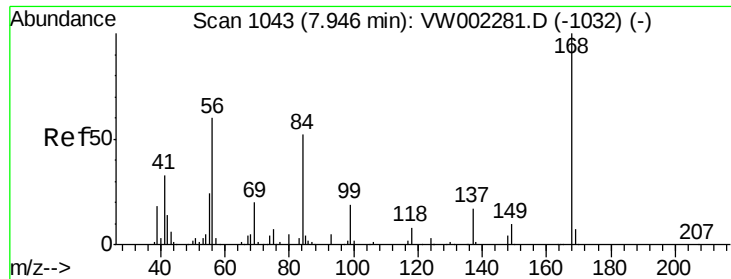
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M

Quant Title : SW846 8260

QLast Update : Tue May 08 03:57:58 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002354.D

Acq: 10 May 2018 03:25

Instrument :

MSVOA_W

ClientSampleId :

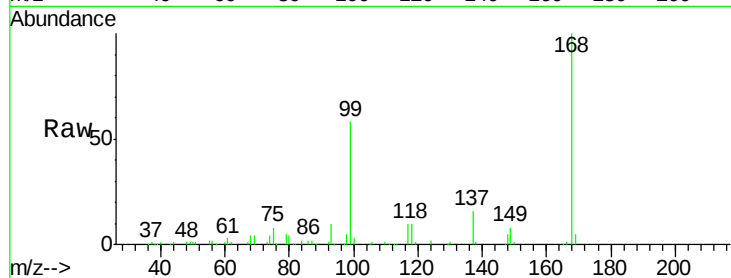
EPE-MX-1(95-97)

Tgt Ion:168 Resp: 62178

Ion Ratio Lower Upper

168 100

99 58.3 43.7 65.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

30000

25000

20000

15000

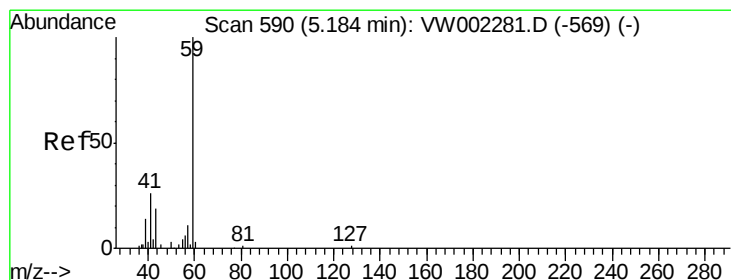
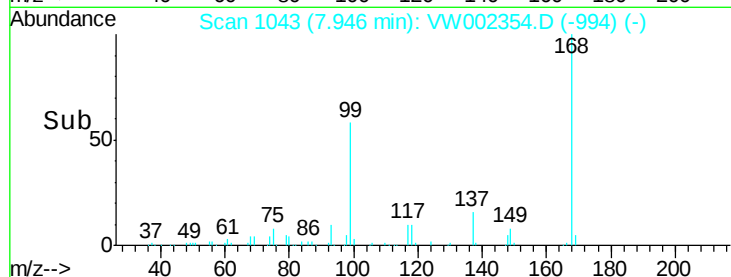
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 1.17 ug/l

RT: 5.19 min Scan# 591

Delta R.T. 0.01 min

Lab File: VW002354.D

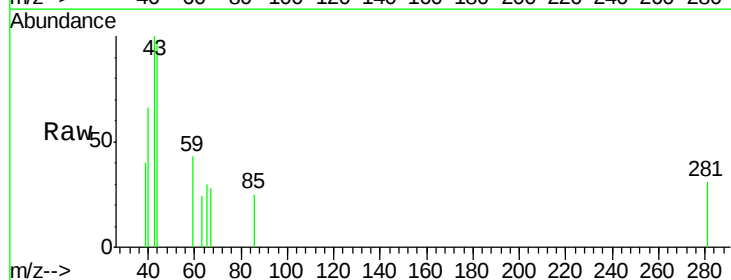
Acq: 10 May 2018 03:25

Tgt Ion: 59 Resp: 56

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

5.19

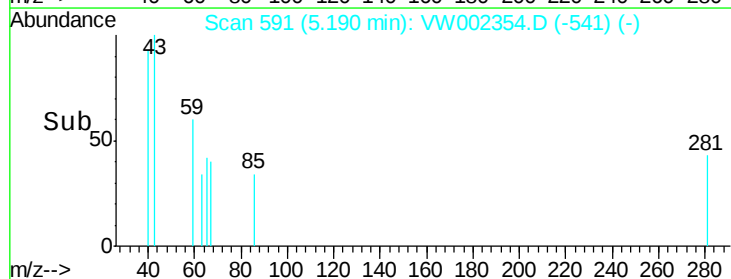
100

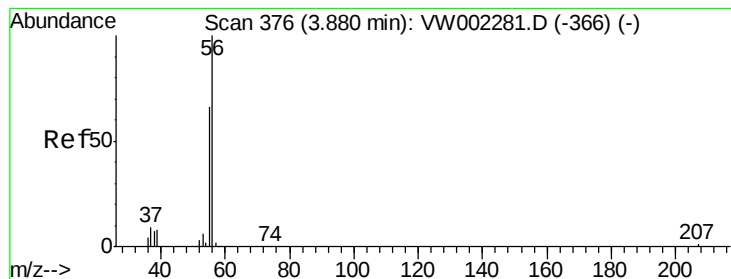
50

0

5.18 5.19 5.20 5.21

Time-->





#13

Acrolein

Concen: 1.52 ug/l

RT: 3.91 min Scan# 381

Delta R.T. 0.03 min

Lab File: VW002354.D

Acq: 10 May 2018 03:25

Instrument :

MSVOA_W

ClientSampleId :

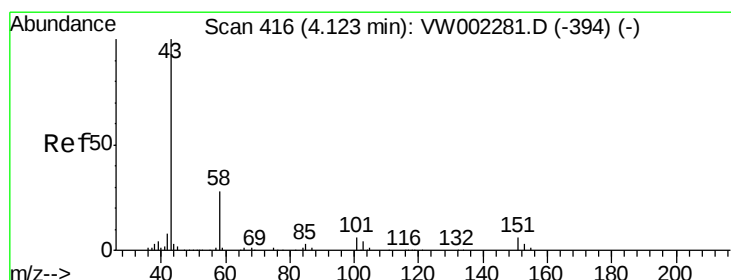
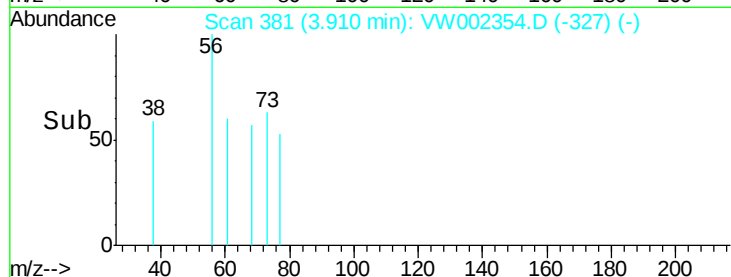
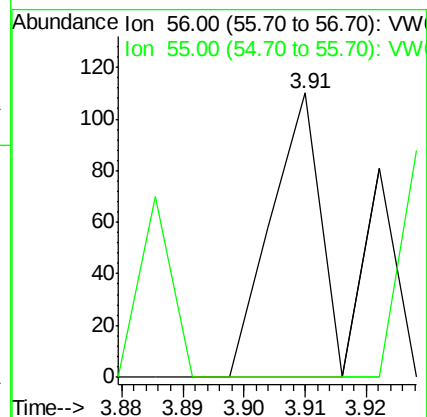
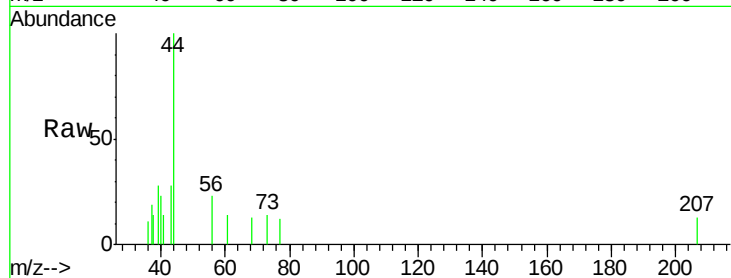
EPE-MX-1(95-97)

Tgt Ion: 56 Resp: 61

Ion Ratio Lower Upper

56 100

55 91.8 57.3 85.9#



#16

Acetone

Concen: 61.12 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW002354.D

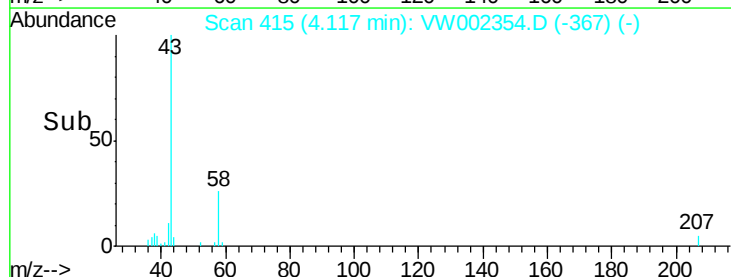
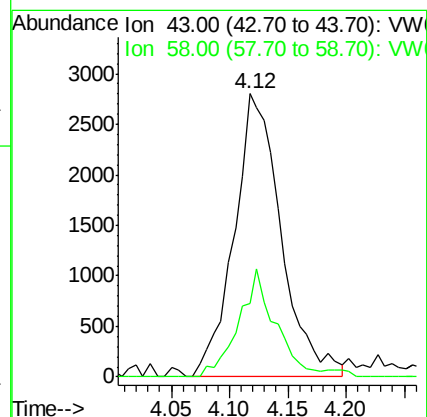
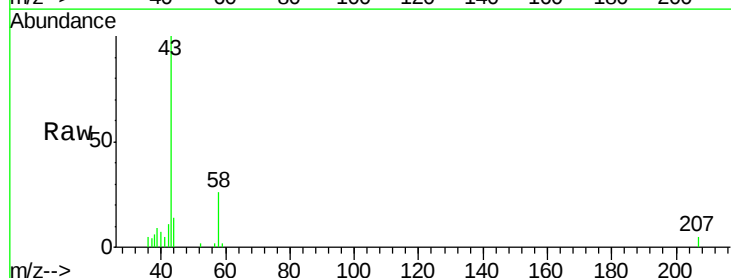
Acq: 10 May 2018 03:25

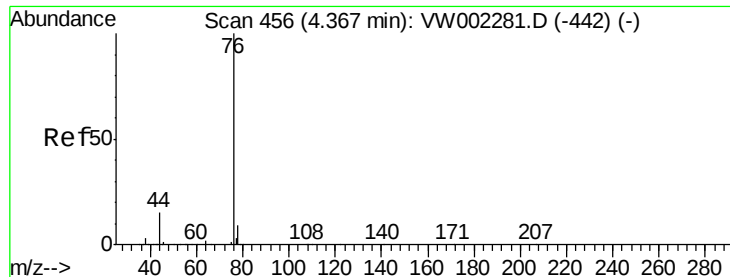
Tgt Ion: 43 Resp: 7881

Ion Ratio Lower Upper

43 100

58 25.9 22.2 33.4





#17

Carbon Disulfide

Concen: 1.49 ug/l

RT: 4.36 min Scan# 455

Delta R.T. -0.01 min

Lab File: VW002354.D

Acq: 10 May 2018 03:25

Instrument :

MSVOA_W

ClientSampleId :

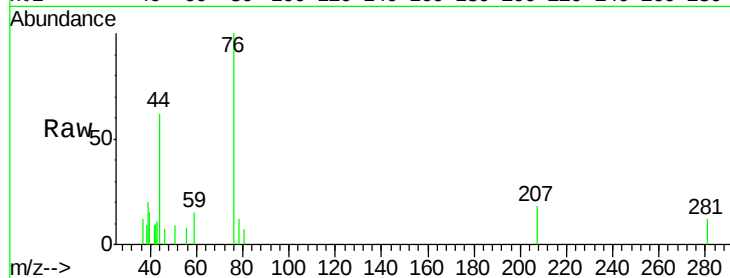
EPE-MX-1(95-97)

Tgt Ion: 76 Resp: 2436

Ion Ratio Lower Upper

76 100

78 12.2 6.9 10.3#



Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.36

800

600

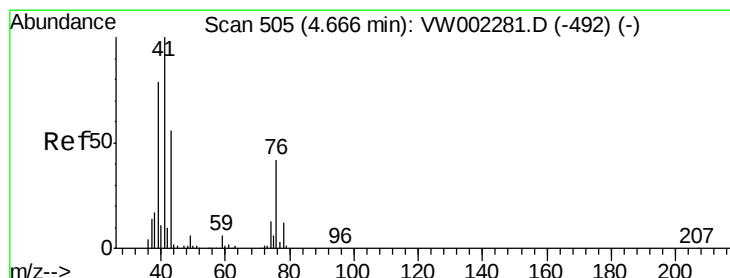
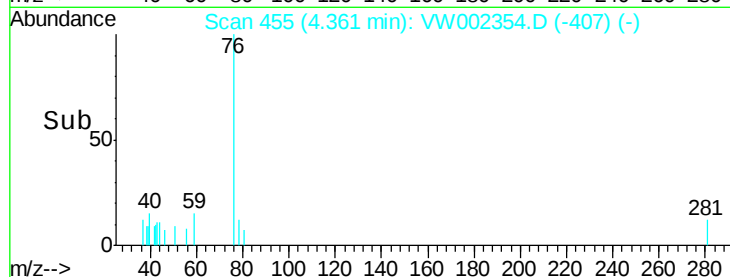
400

200

0

4.25 4.30 4.35 4.40 4.45

Time-->



#18

Methyl Acetate

Concen: 1.23 ug/l

RT: 4.68 min Scan# 507

Delta R.T. 0.01 min

Lab File: VW002354.D

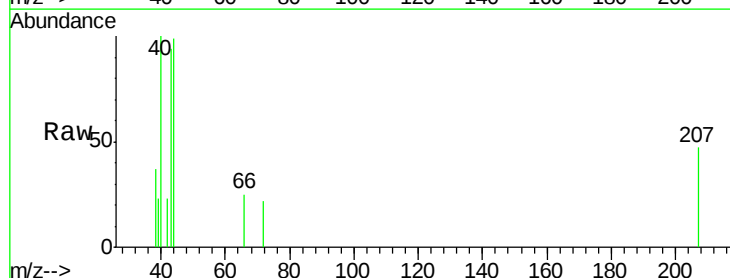
Acq: 10 May 2018 03:25

Tgt Ion: 43 Resp: 475

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

4.68

300

250

200

150

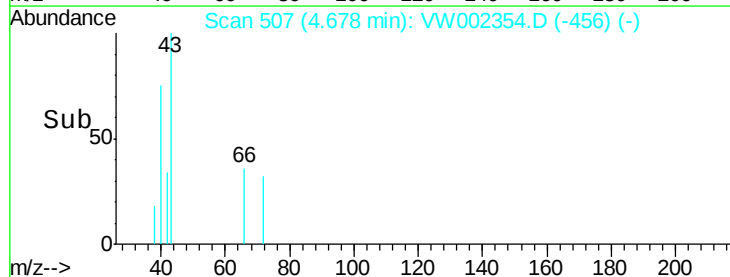
100

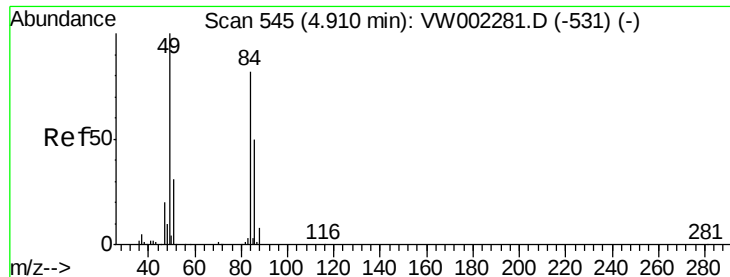
50

0

4.65 4.70

Time-->

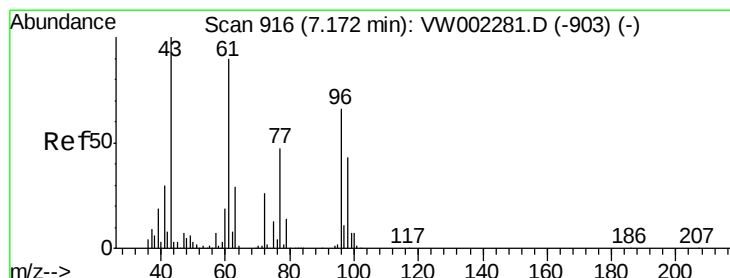
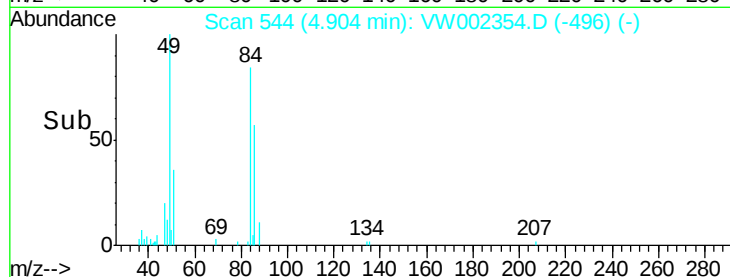
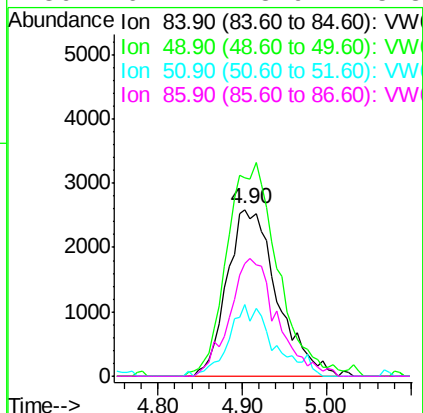
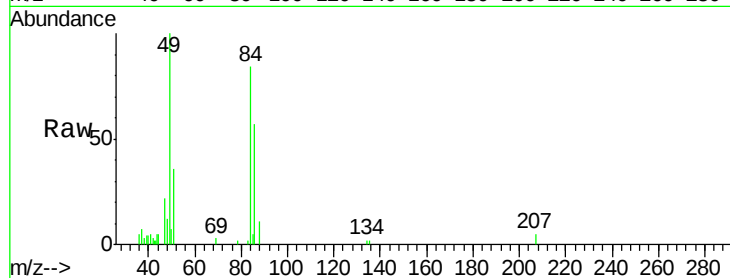




#20
Methylene Chloride
Concen: 16.86 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.01 min
Lab File: VW002354.D
Acq: 10 May 2018 03:25

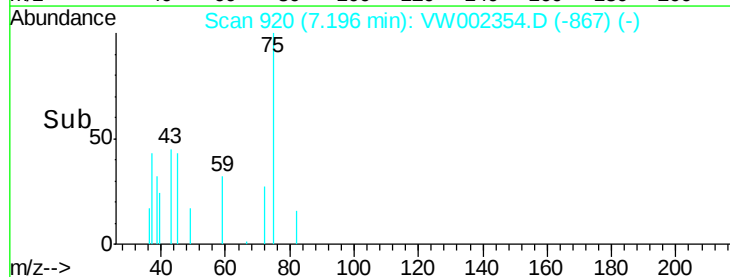
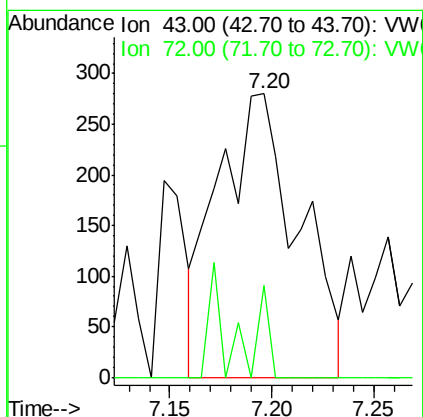
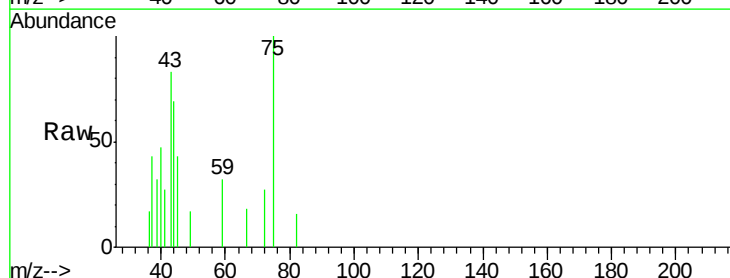
Instrument :
MSVOA_W
ClientSampleId :
EPE-MX-1(95-97)

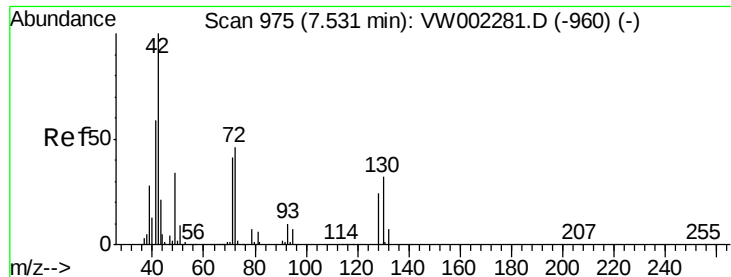
Tgt Ion: 84 Resp: 10482
Ion Ratio Lower Upper
84 100
49 116.8 97.7 146.5
51 42.9 30.2 45.4
86 67.7 48.9 73.3



#25
2-Butanone
Concen: 4.03 ug/l
RT: 7.20 min Scan# 920
Delta R.T. 0.02 min
Lab File: VW002354.D
Acq: 10 May 2018 03:25

Tgt Ion: 43 Resp: 772
Ion Ratio Lower Upper
43 100
72 40.6 20.6 31.0#

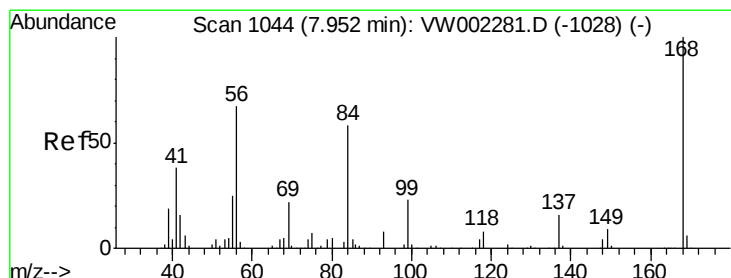
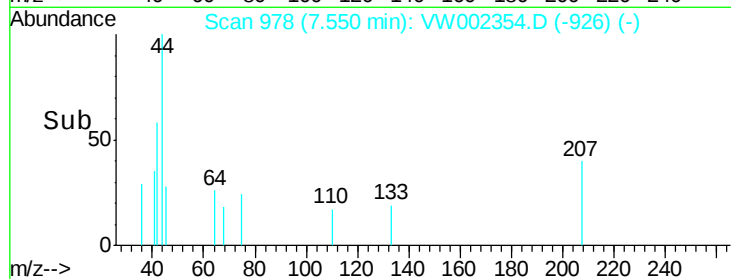
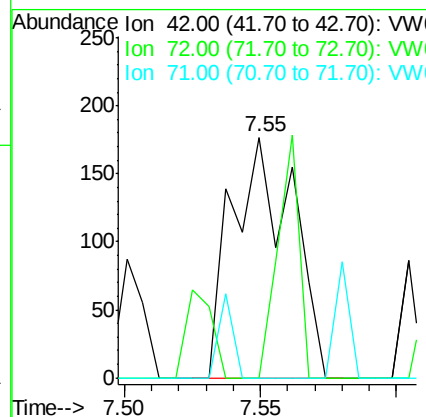
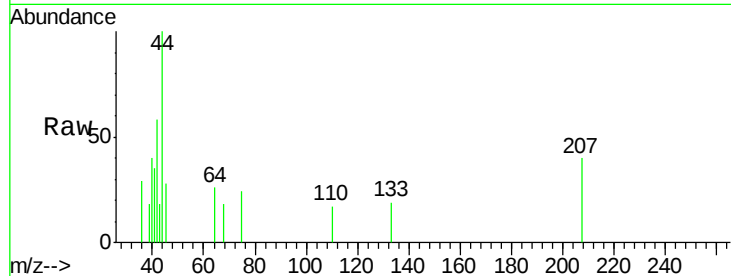




#29
Tetrahydrofuran
Concen: 2.17 ug/l
RT: 7.55 min Scan# 978
Delta R.T. 0.02 min
Lab File: VW002354.D
Acq: 10 May 2018 03:25

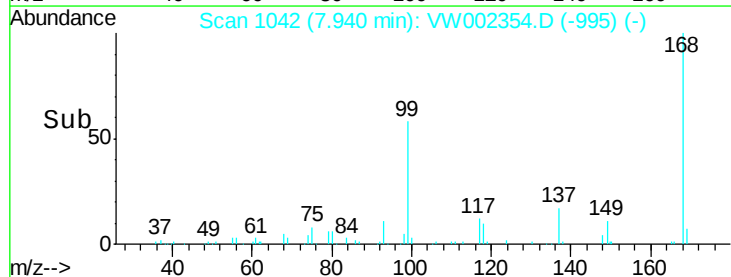
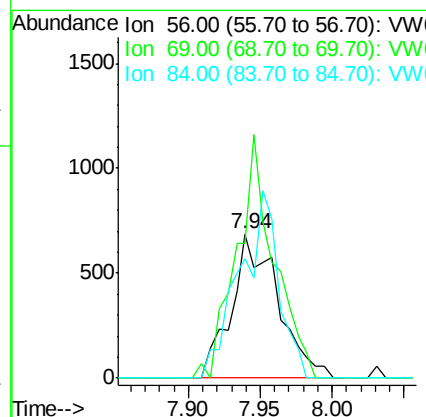
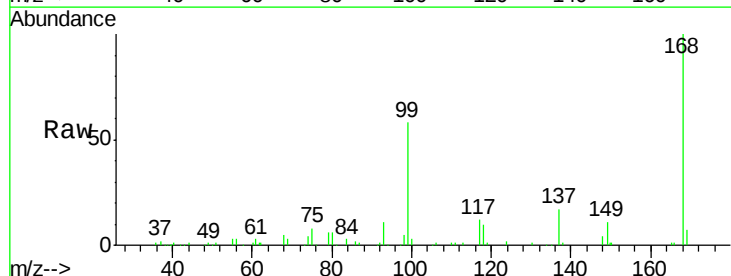
Instrument :
MSVOA_W
ClientSampled :
EPE-MX-1(95-97)

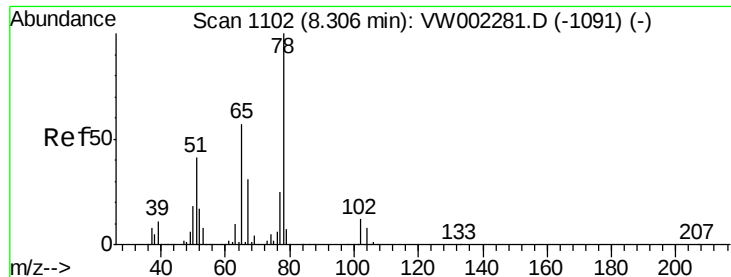
Tgt Ion: 42 Resp: 272
Ion Ratio Lower Upper
42 100
72 0.0 34.5 51.7#
71 8.5 33.0 49.6#



#31
Cyclohexane
Concen: 1.57 ug/l
RT: 7.94 min Scan# 1042
Delta R.T. -0.01 min
Lab File: VW002354.D
Acq: 10 May 2018 03:25

Tgt Ion: 56 Resp: 1544
Ion Ratio Lower Upper
56 100
69 93.0 26.2 39.4#
84 82.6 69.2 103.8





#33

1,2-Dichloroethane-d4

Concen: 72.36 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002354.D

Acq: 10 May 2018 03:25

Instrument :

MSVOA_W

ClientSampleId :

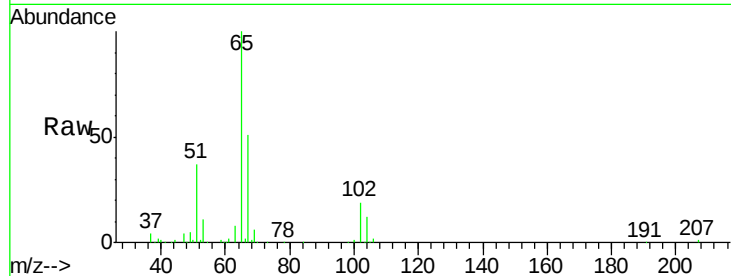
EPE-MX-1(95-97)

Tgt Ion: 65 Resp: 47776

Ion Ratio Lower Upper

65 100

67 54.2 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

8.31

25000

20000

15000

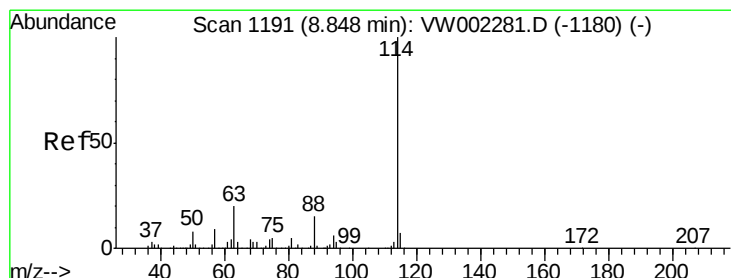
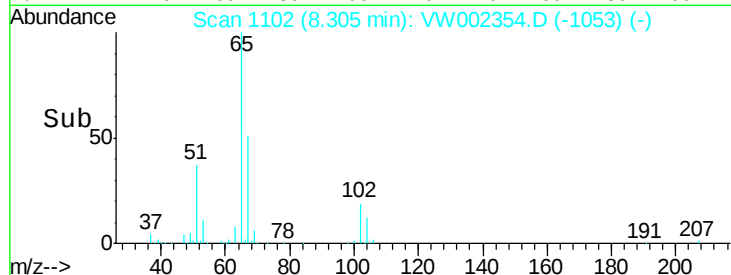
10000

5000

0

8.20 8.30 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW002354.D

Acq: 10 May 2018 03:25

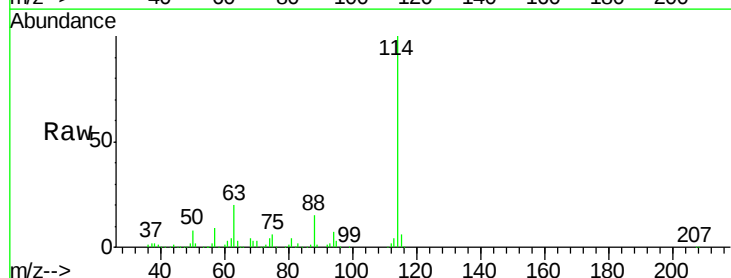
Tgt Ion: 114 Resp: 127640

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.0

88 14.7 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

8.85

80000

60000

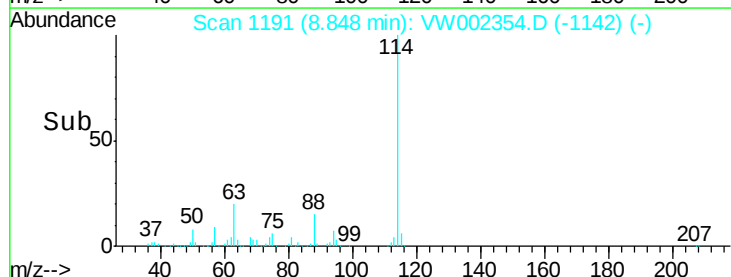
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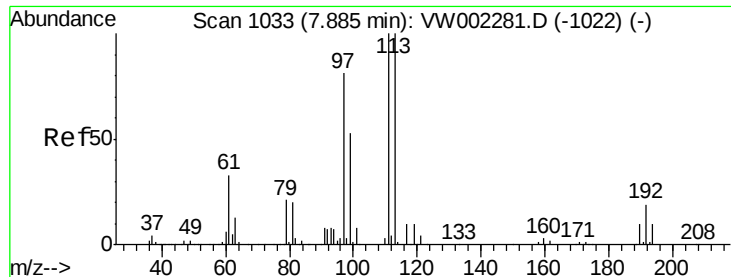
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0

8.75 8.80 8.85 8.90 8.95

Time-->

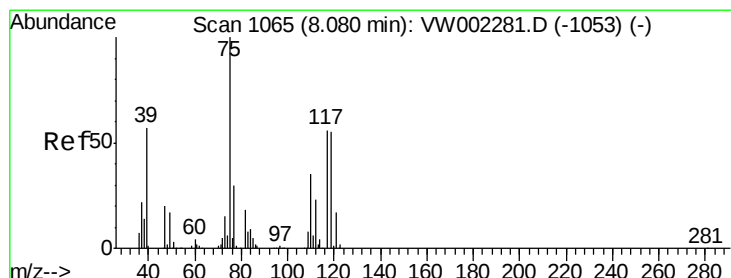
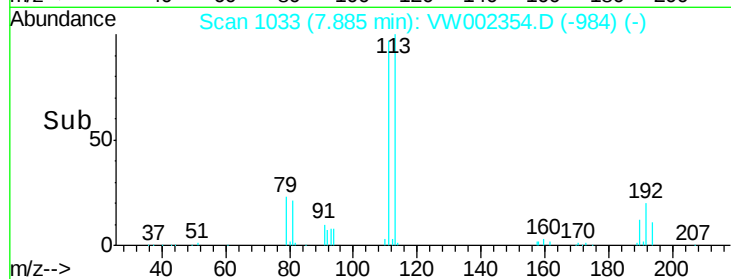
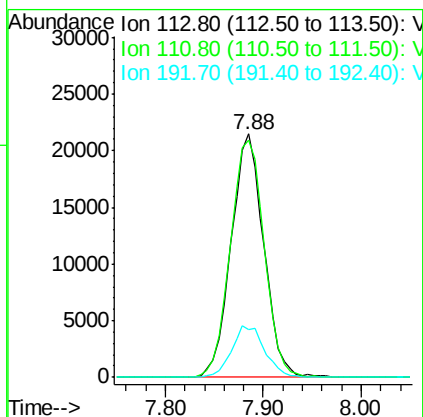
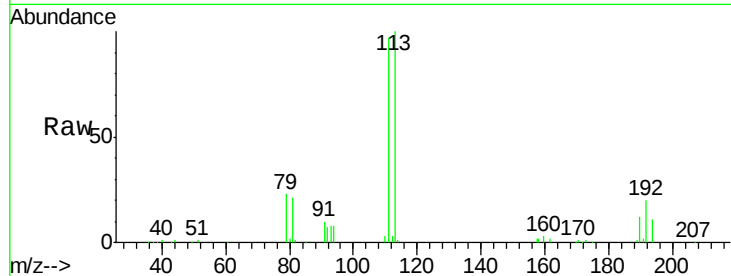




#35
Dibromofluoromethane
Concen: 60.50 ug/l
RT: 7.88 min Scan# 1033
Delta R.T. -0.00 min
Lab File: VW002354.D
Acq: 10 May 2018 03:25

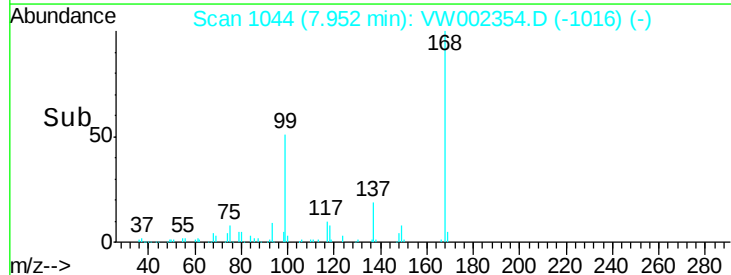
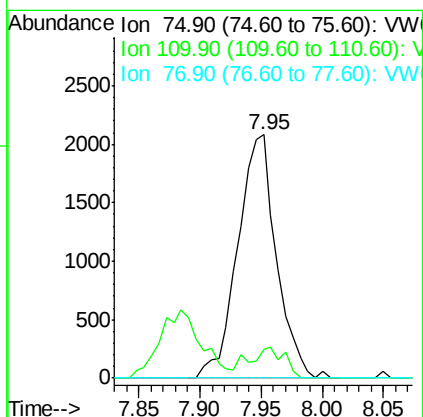
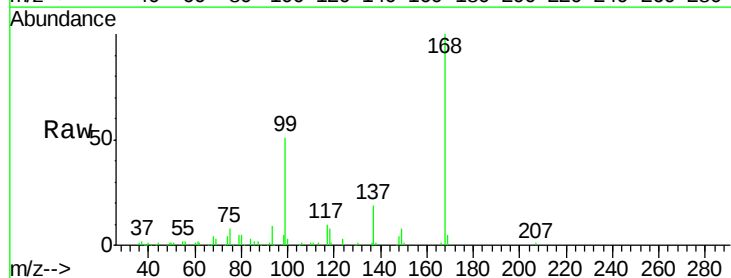
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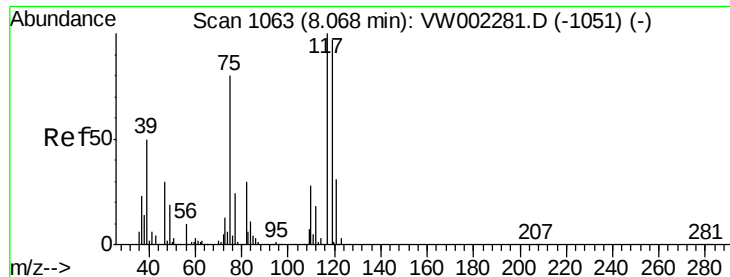
Tgt Ion:113 Resp: 49493
Ion Ratio Lower Upper
113 100
111 101.7 81.5 122.3
192 21.5 16.4 24.6



#36
1,1-Dichloropropene
Concen: 3.94 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.13 min
Lab File: VW002354.D
Acq: 10 May 2018 03:25

Tgt Ion: 75 Resp: 4553
Ion Ratio Lower Upper
75 100
110 11.4 18.1 54.1#
77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 5.41 ug/l

RT: 7.94 min Scan# 1042

Delta R.T. -0.13 min

Lab File: VW002354.D

Acq: 10 May 2018 03:25

Instrument :

MSVOA_W

ClientSampleId :

EPE-MX-1(95-97)

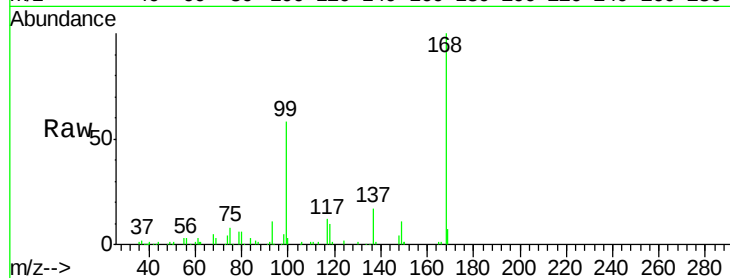
Tgt Ion:117 Resp: 6038

Ion Ratio Lower Upper

117 100

119 6.7 77.5 116.3#

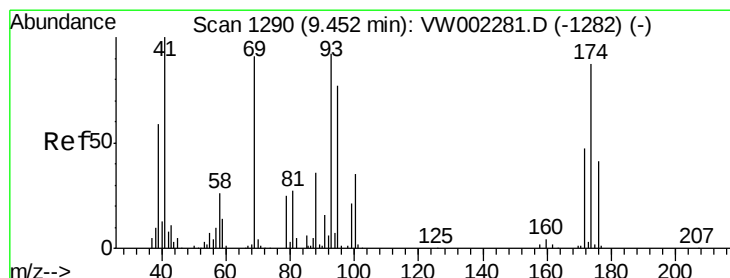
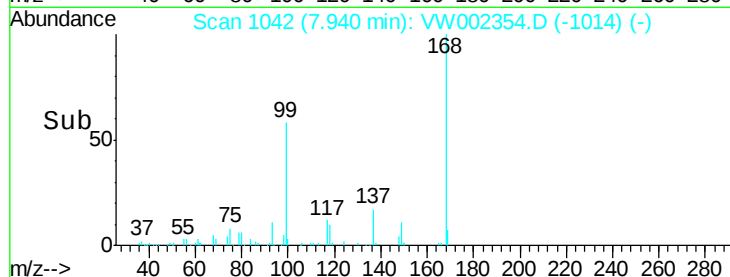
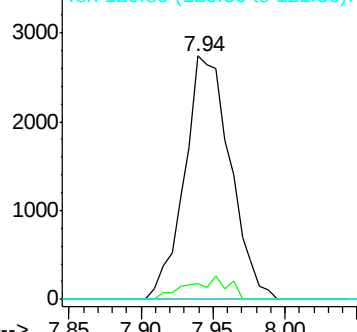
121 0.0 24.4 36.6#



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



#49

1,4-Dioxane

Concen: 7.06 ug/l

RT: 9.46 min Scan# 1291

Delta R.T. 0.01 min

Lab File: VW002354.D

Acq: 10 May 2018 03:25

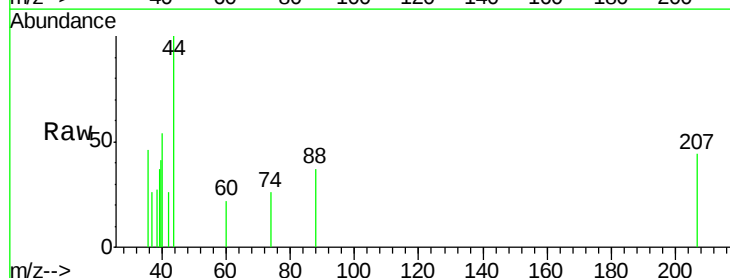
Tgt Ion: 88 Resp: 53

Ion Ratio Lower Upper

88 100

43 226.4 26.3 39.5#

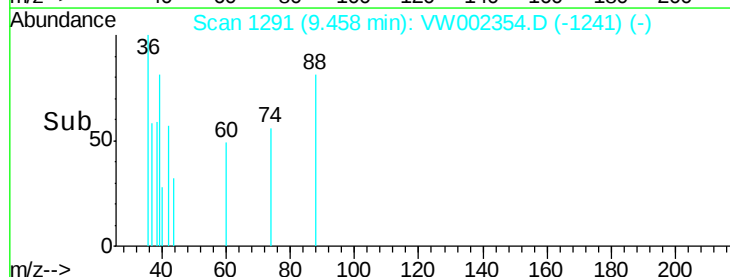
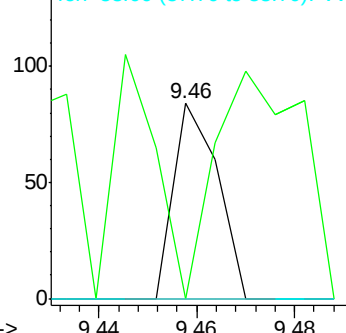
58 0.0 56.0 84.0#

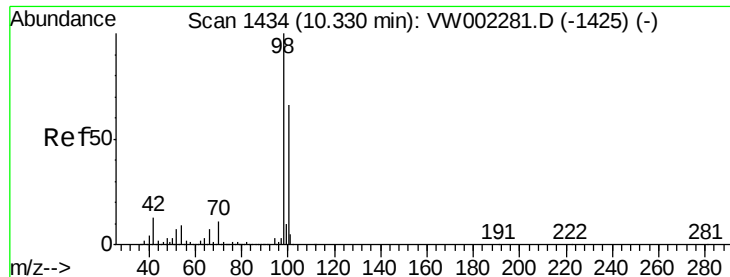


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 27.57 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002354.D

Acq: 10 May 2018 03:25

Instrument :

MSVOA_W

ClientSampleId :

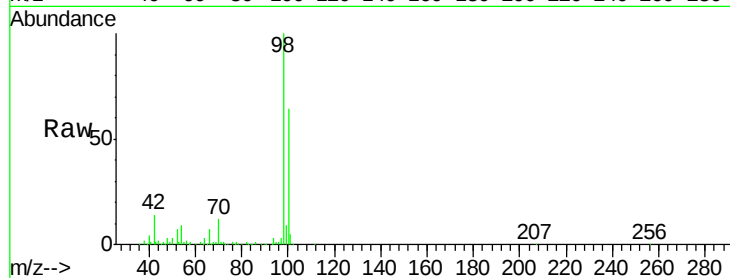
EPE-MX-1(95-97)

Tgt Ion: 98 Resp: 86016

Ion Ratio Lower Upper

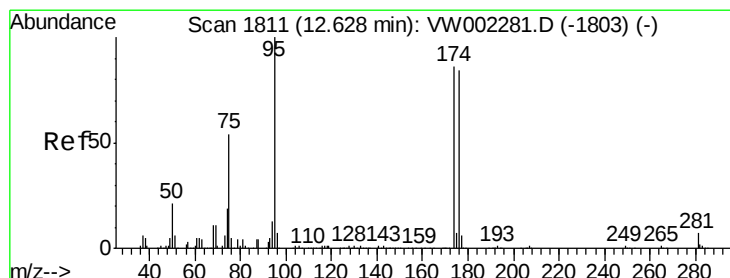
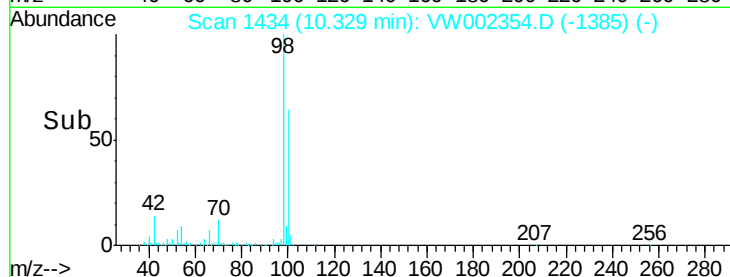
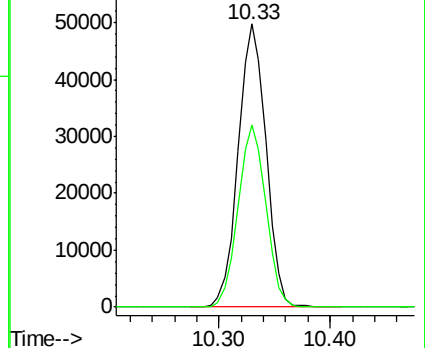
98 100

100 64.2 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW



#62

4-Bromofluorobenzene

Concen: 5.92 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW002354.D

Acq: 10 May 2018 03:25

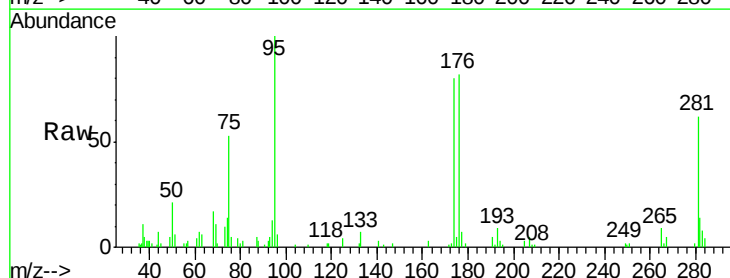
Tgt Ion: 95 Resp: 6673

Ion Ratio Lower Upper

95 100

174 94.6 0.0 176.8

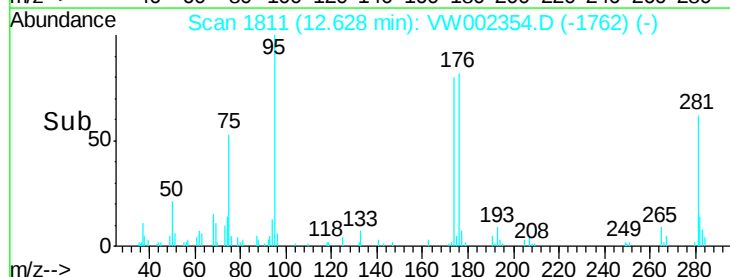
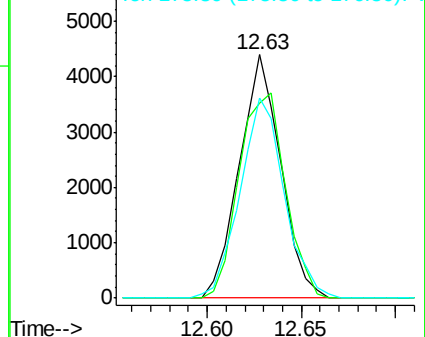
176 87.8 0.0 170.4

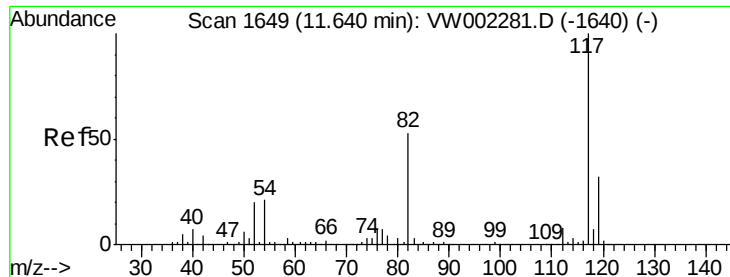


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VW002354.D

Acq: 10 May 2018 03:25

Instrument :

MSVOA_W

ClientSampleId :

EPE-MX-1(95-97)

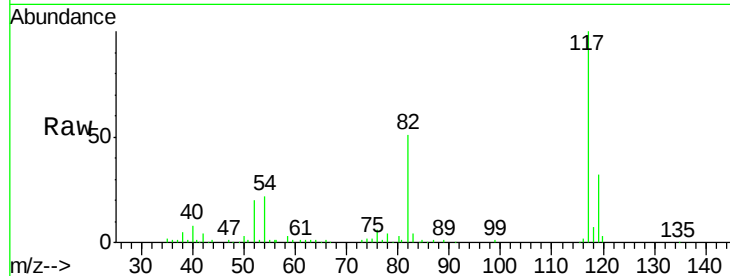
Tgt Ion:117 Resp: 50150

Ion Ratio Lower Upper

117 100

82 51.0 42.6 63.8

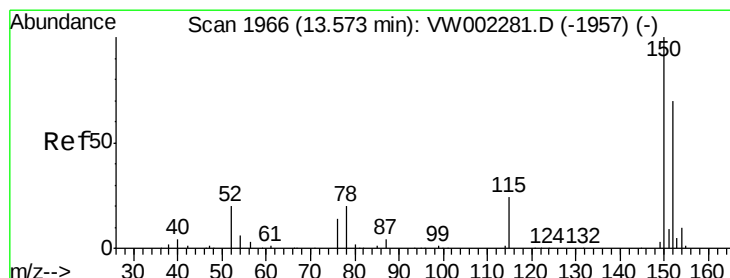
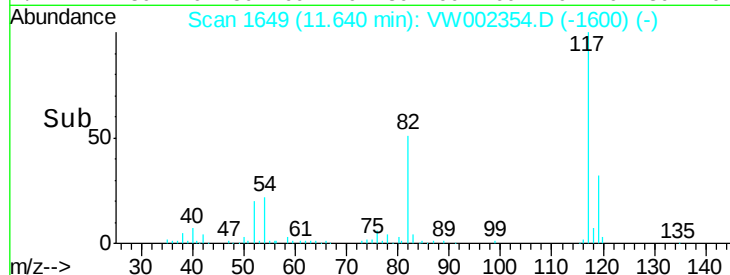
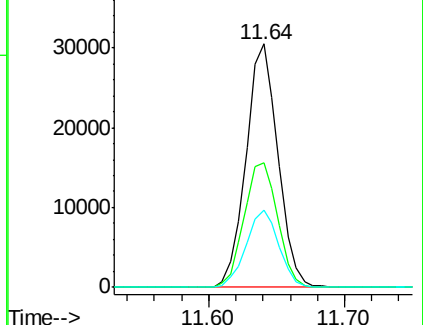
119 31.8 25.2 37.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

Lab File: VW002354.D

Acq: 10 May 2018 03:25

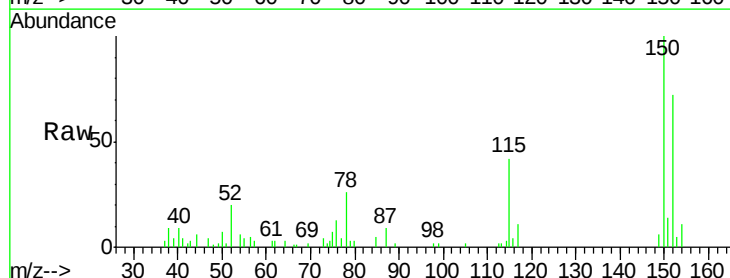
Tgt Ion:152 Resp: 3902

Ion Ratio Lower Upper

152 100

115 62.7 28.5 85.5

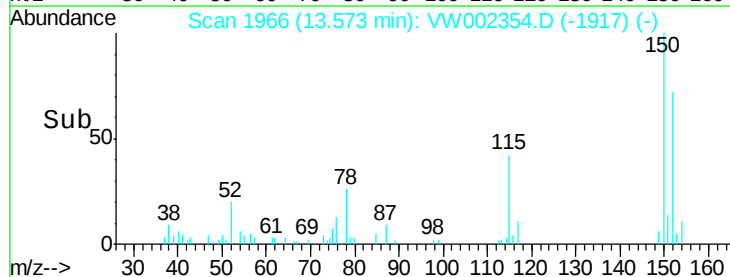
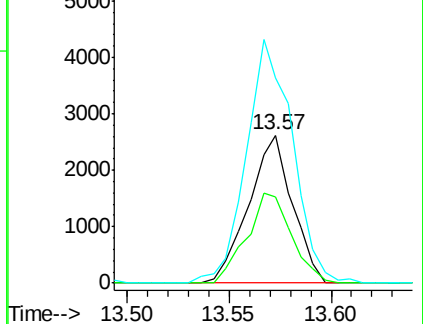
150 174.4 0.0 342.6

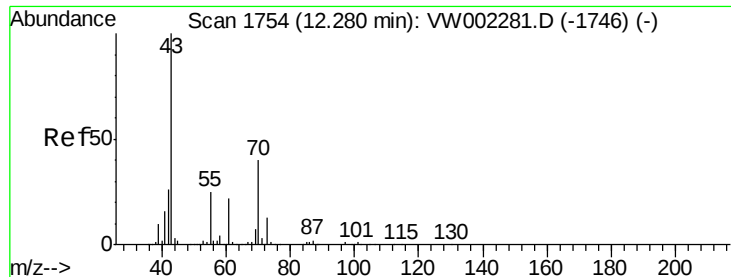


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: 1.43 ug/l

RT: 12.30 min Scan# 1758

Delta R.T. 0.02 min

Lab File: VW002354.D

Acq: 10 May 2018 03:25

Instrument :

MSVOA_W

ClientSampleId :

EPE-MX-1(95-97)

Tgt Ion: 43 Resp: 91

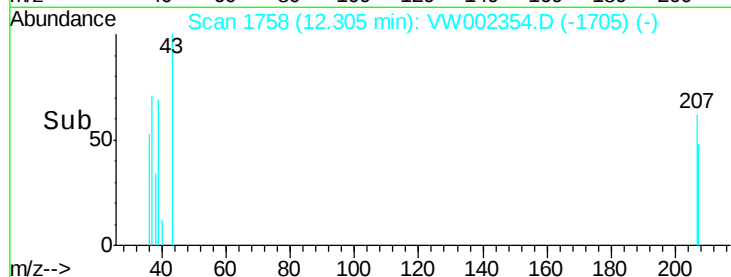
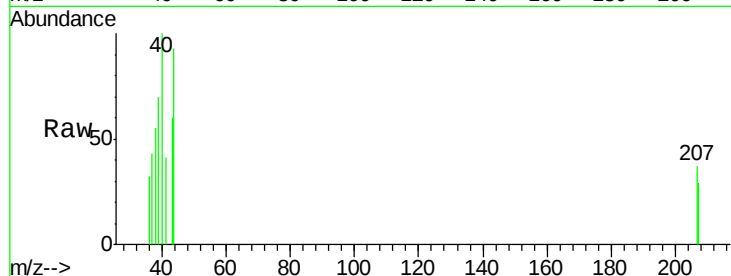
Ion Ratio Lower Upper

43 100

70 0.0 31.9 47.9#

55 31.9 19.9 29.9#

61 0.0 18.2 27.2#

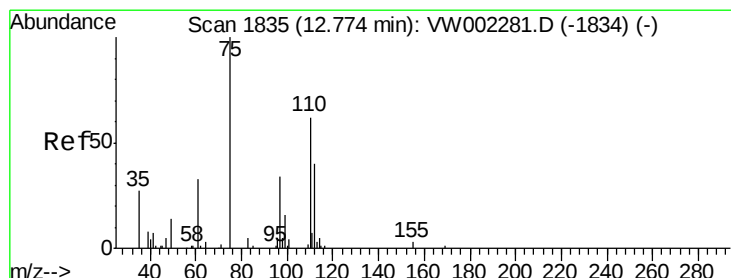
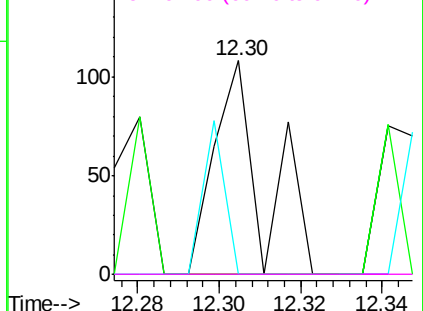


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 109.13 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002354.D

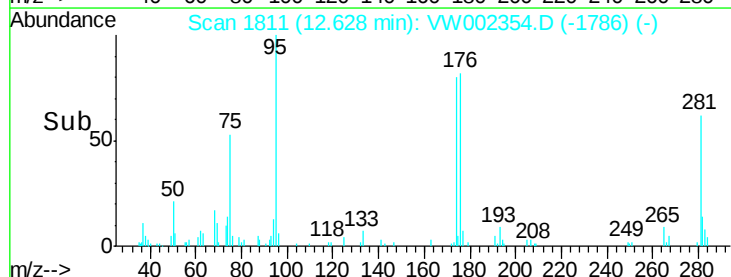
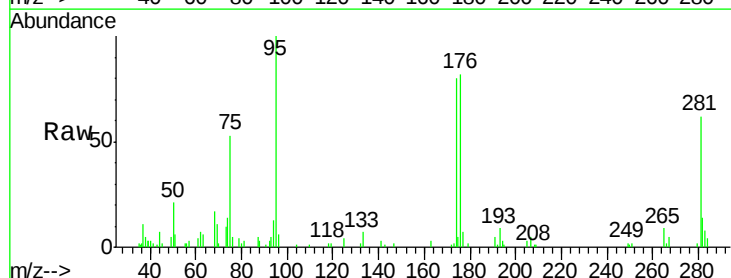
Acq: 10 May 2018 03:25

Tgt Ion: 75 Resp: 3776

Ion Ratio Lower Upper

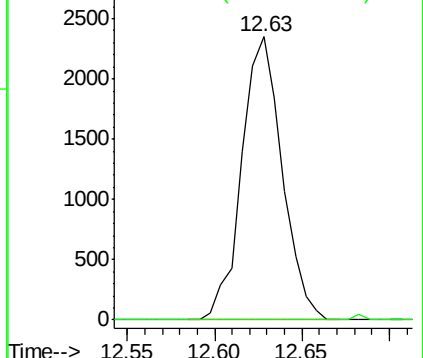
75 100

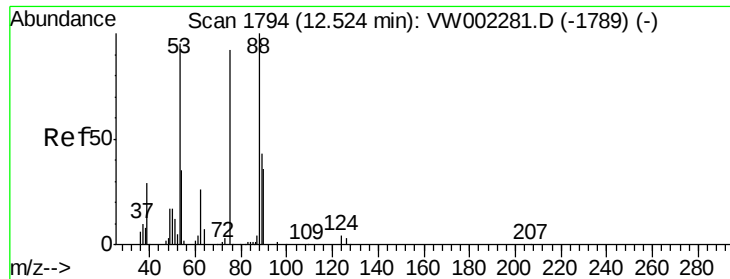
77 0.0 187.5 562.6#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW

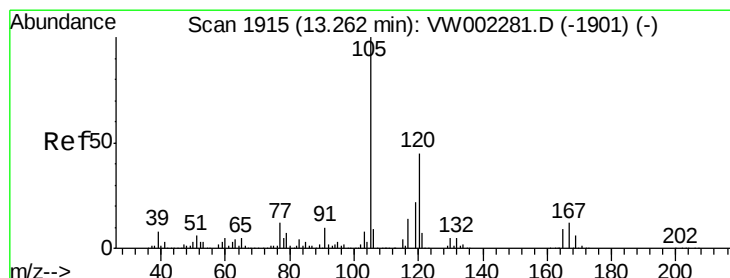
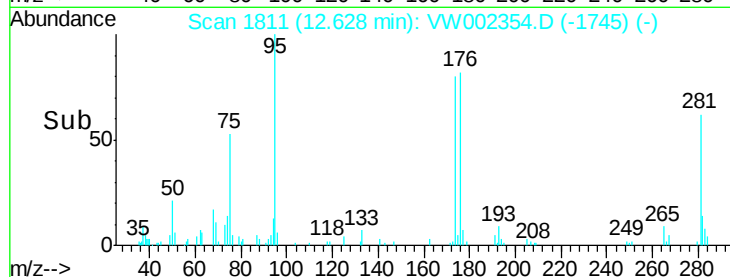
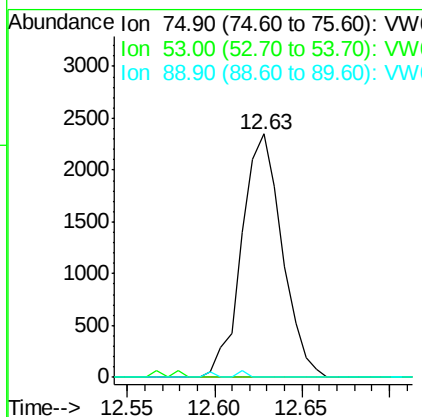
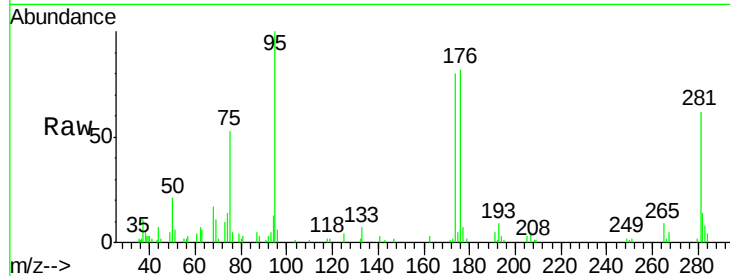




#81
trans-1,4-Dichloro-2-butene
Concen: 287.46 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. 0.10 min
Lab File: VW002354.D
Acq: 10 May 2018 03:25

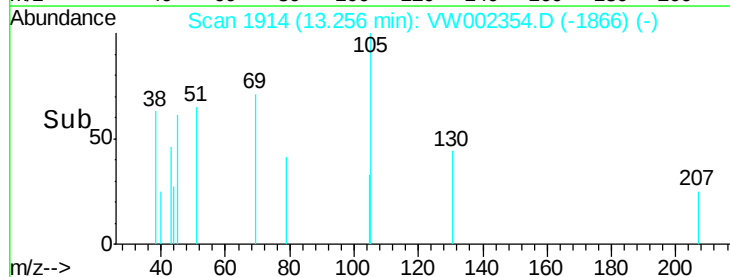
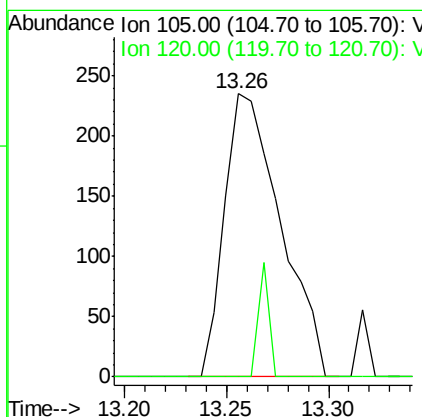
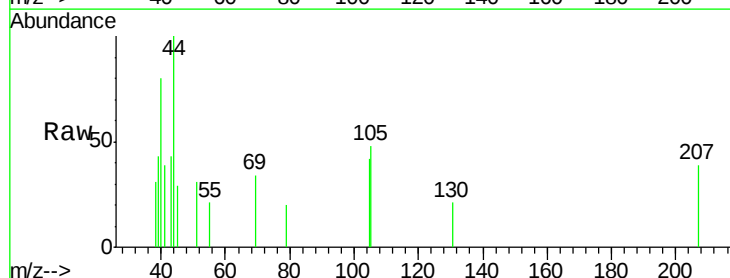
Instrument :
MSVOA_W
ClientSampleId :
EPE-MX-1(95-97)

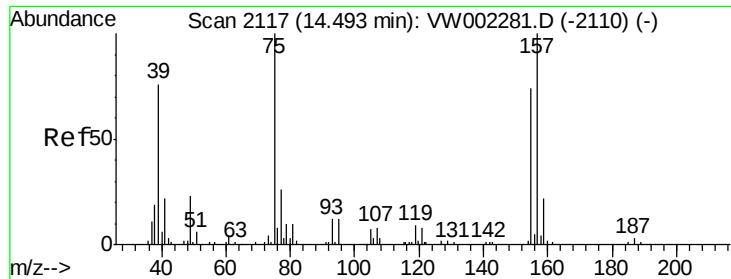
Tgt Ion: 75 Resp: 3776
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.6 37.6 56.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.04 ug/l
RT: 13.26 min Scan# 1914
Delta R.T. -0.01 min
Lab File: VW002354.D
Acq: 10 May 2018 03:25

Tgt Ion: 105 Resp: 450
Ion Ratio Lower Upper
105 100
120 7.8 22.5 67.5#





#92

1,2-Dibromo-3-Chloropropane

Concen: 3.42 ug/l

RT: 14.46 min Scan# 2112

Delta R.T. -0.03 min

Lab File: VW002354.D

Acq: 10 May 2018 03:25

Instrument :

MSVOA_W

ClientSampleId :

EPE-MX-1(95-97)

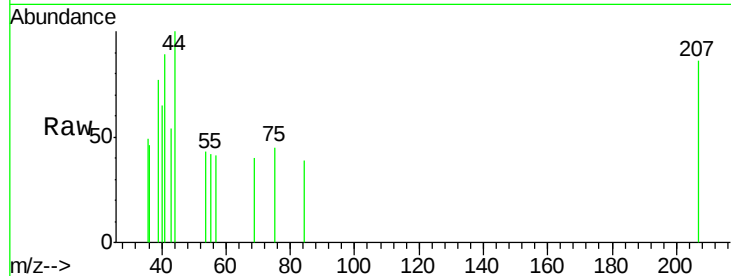
Tgt Ion: 75 Resp: 29

Ion Ratio Lower Upper

75 100

155 0.0 43.3 129.8#

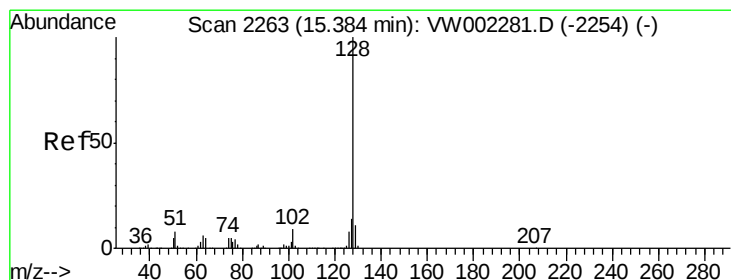
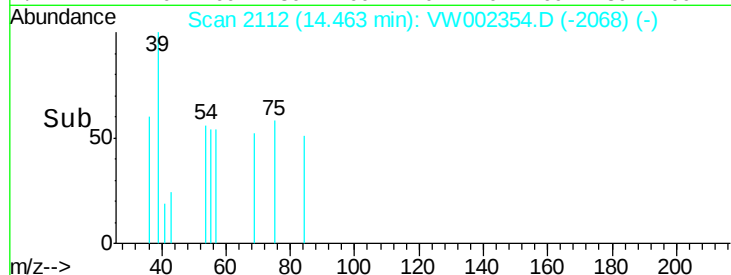
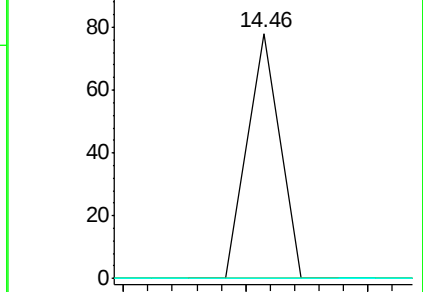
157 0.0 55.8 167.4#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#95

Naphthalene

Concen: 13.37 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. 0.00 min

Lab File: VW002354.D

Acq: 10 May 2018 03:25

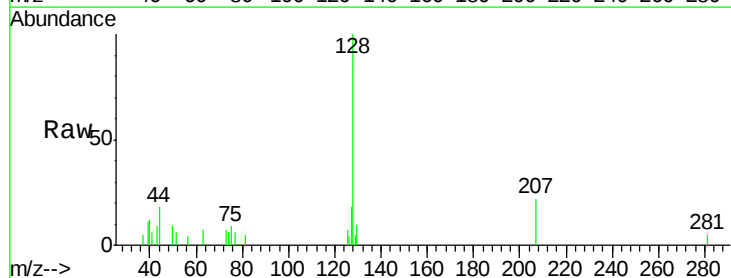
Tgt Ion: 128 Resp: 2016

Ion Ratio Lower Upper

128 100

127 17.3 11.0 16.4#

129 12.0 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

