

Data File : VW002352.D
Acq On : 10 May 2018 02:35
Operator : JC/SY
Sample : J2730-03
Misc : 6.37G/5ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EPE-MX-1(85-87)

Quant Time: May 10 05:51:51 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	154562	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	267261	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	181061	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	29674	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	82562	50.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.60%	
35) Dibromofluoromethane	7.88	113	81105	47.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.70%	
50) Toluene-d8	10.33	98	227389	34.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.62%	
62) 4-Bromofluorobenzene	12.63	95	43167	18.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	36.58%	

Target Compounds						Qvalue
11) Tert butyl alcohol	5.18	59	127	1.06	ug/l #	85
16) Acetone	4.12	43	6979	21.77	ug/l	98
20) Methylene Chloride	4.91	84	12327	7.98	ug/l #	93
25) 2-Butanone	7.18	43	500	1.05	ug/l #	49
29) Tetrahydrofuran	7.55	42	559	1.79	ug/l #	48
31) Cyclohexane	7.95	56	3499	1.43	ug/l #	1
36) 1,1-Dichloropropene	7.95	75	11143	4.61	ug/l #	51
38) Carbon Tetrachloride	7.94	117	14582	6.24	ug/l #	14
49) 1,4-Dioxane	9.56	88	20	1.27	ug/l #	1
76) 1,2,3-Trichloropropane	12.63	75	21890	83.19	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	21890	219.13	ug/l #	10

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

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EPE-MX-1(85-87)

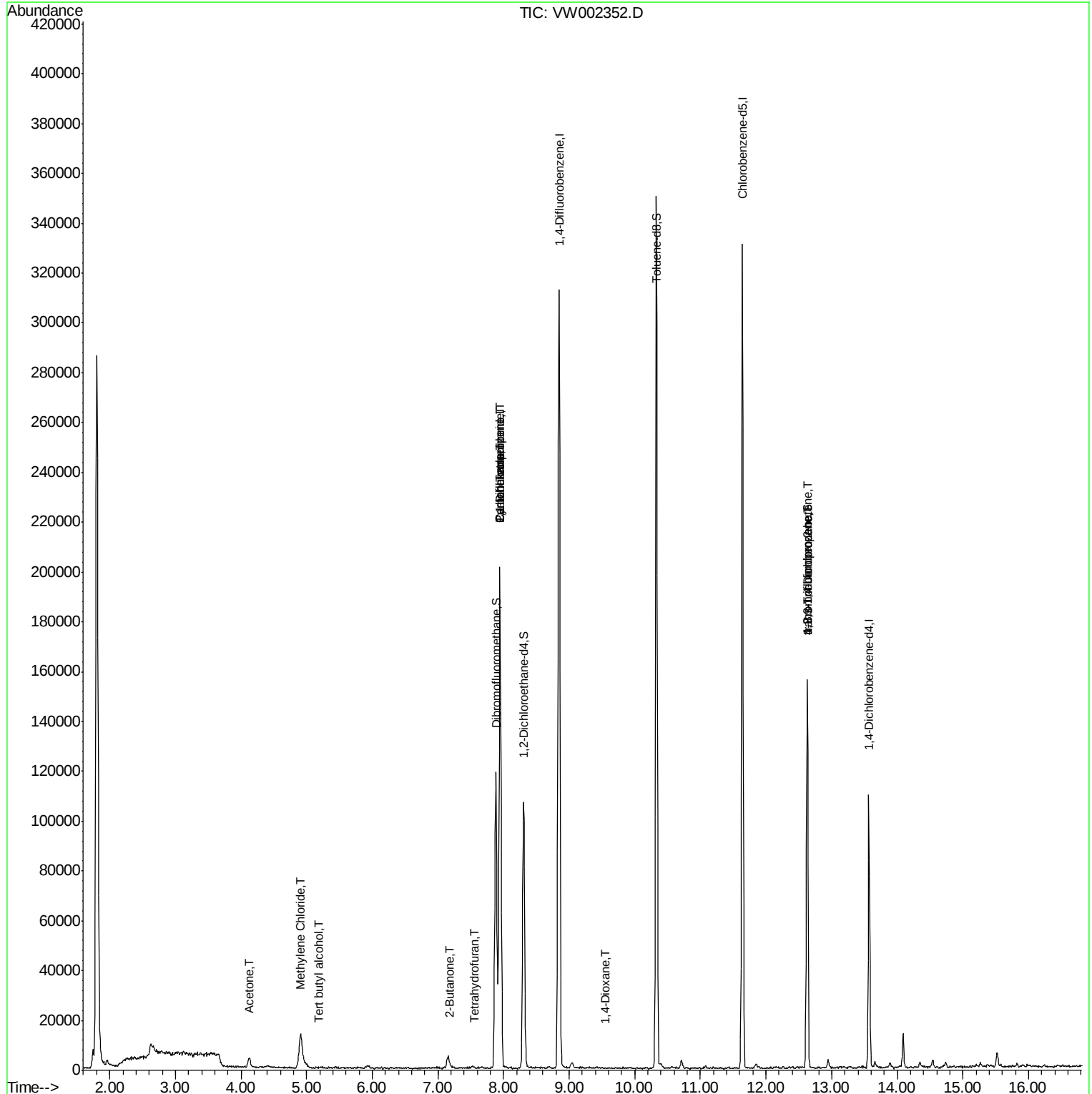
Quant Time: May 10 05:51:51 2018

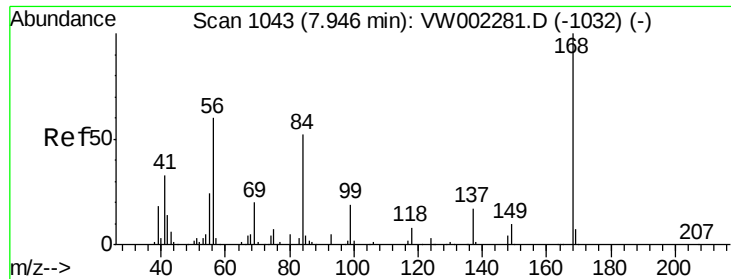
Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W050818S.M

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: VW002352.D

Acq: 10 May 2018 02:35

Instrument :

MSVOA_W

ClientSampleId :

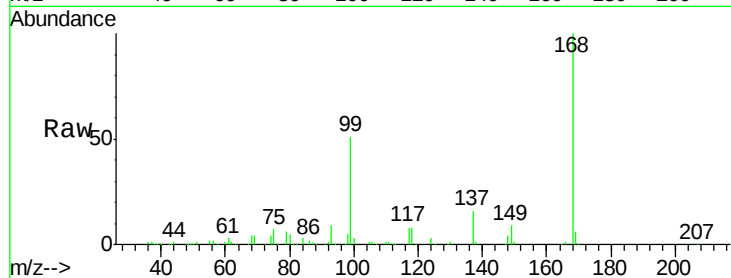
EPE-MX-1(85-87)

Tgt Ion:168 Resp: 154562

Ion Ratio Lower Upper

168 100

99 51.4 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

80000

60000

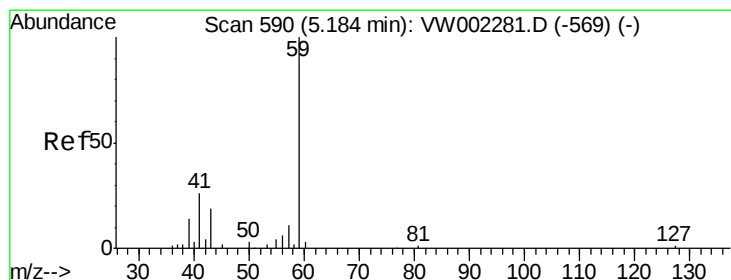
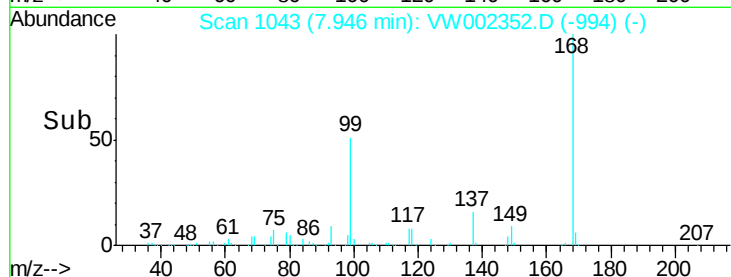
40000

20000

0

7.90 8.00

Time-->



#11

Tert butyl alcohol

Concen: 1.06 ug/l

RT: 5.18 min Scan# 590

Delta R.T. -0.00 min

Lab File: VW002352.D

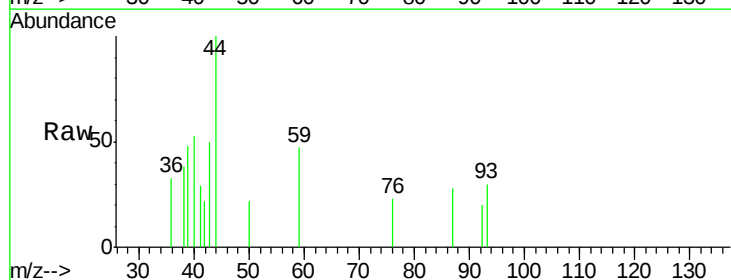
Acq: 10 May 2018 02:35

Tgt Ion: 59 Resp: 127

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

5.18

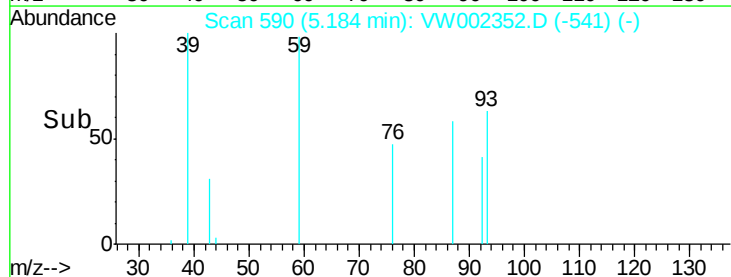
100

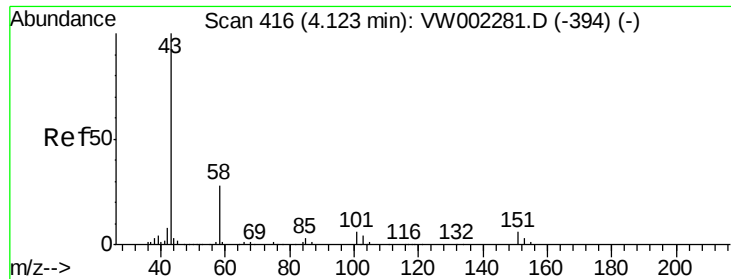
50

0

5.16 5.18 5.20

Time-->





#16

Acetone

Concen: 21.77 ug/l

RT: 4.12 min Scan# 416

Delta R.T. -0.00 min

Lab File: VW002352.D

Acq: 10 May 2018 02:35

Instrument :

MSVOA_W

ClientSampleId :

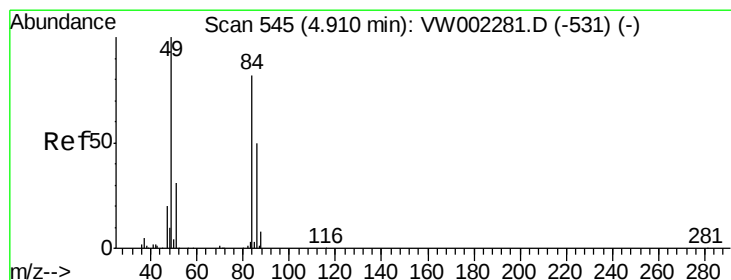
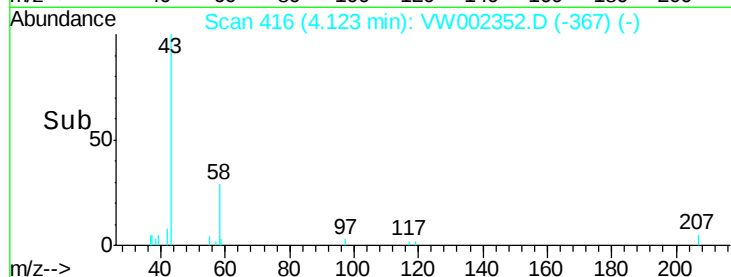
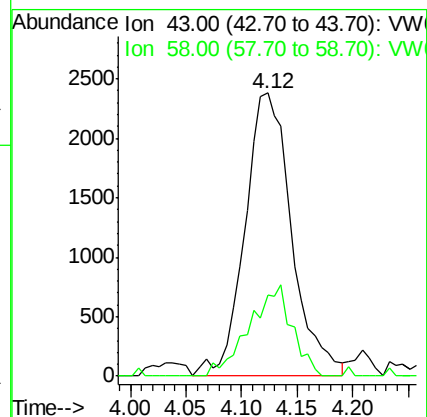
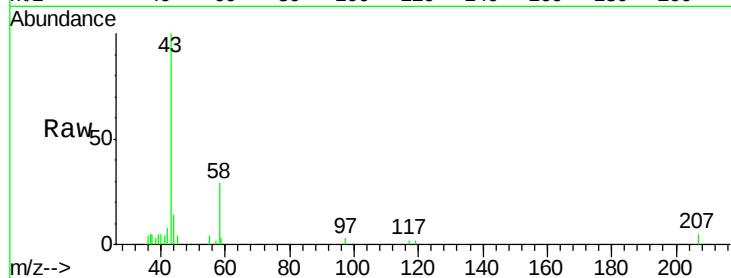
EPE-MX-1(85-87)

Tgt Ion: 43 Resp: 6979

Ion Ratio Lower Upper

43 100

58 28.7 22.2 33.4



#20

Methylene Chloride

Concen: 7.98 ug/l

RT: 4.91 min Scan# 545

Delta R.T. -0.00 min

Lab File: VW002352.D

Acq: 10 May 2018 02:35

Tgt Ion: 84 Resp: 12327

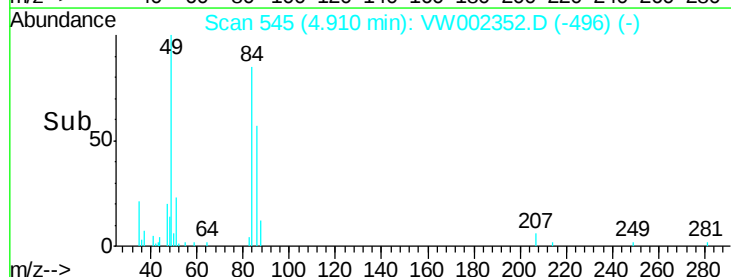
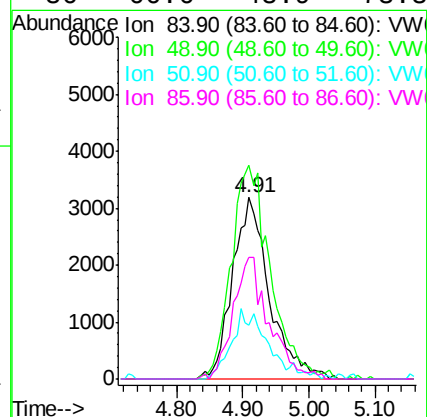
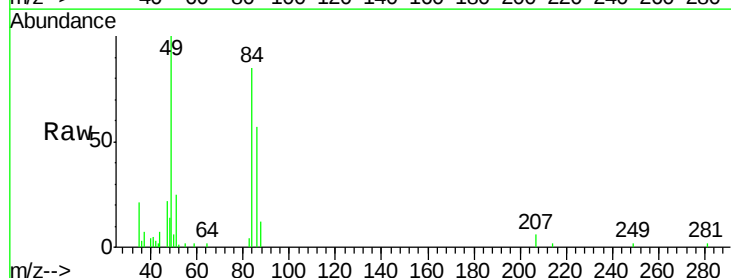
Ion Ratio Lower Upper

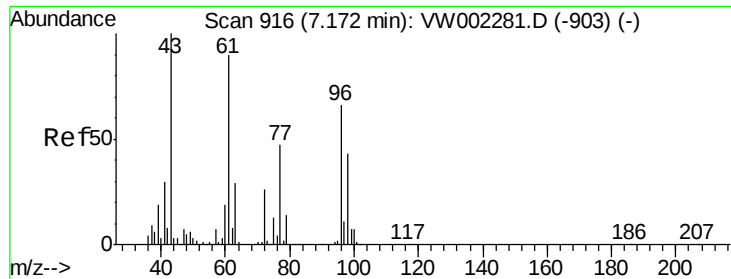
84 100

49 117.5 97.7 146.5

51 29.6 30.2 45.4#

86 66.6 48.9 73.3





#25

2-Butanone

Concen: 1.05 ug/l

RT: 7.18 min Scan# 918

Delta R.T. 0.01 min

Lab File: VW002352.D

Acq: 10 May 2018 02:35

Instrument :

MSVOA_W

ClientSampled :

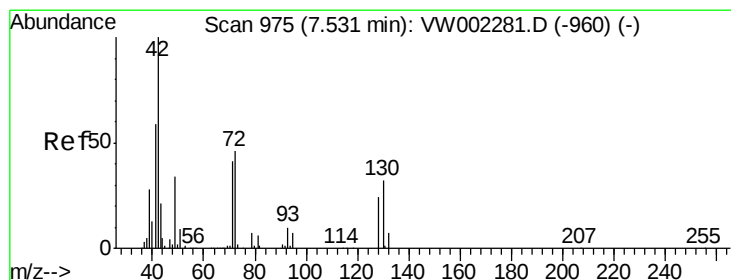
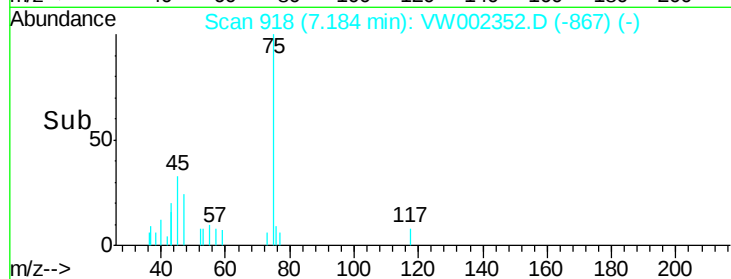
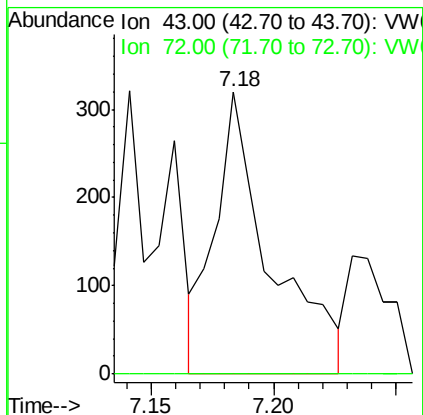
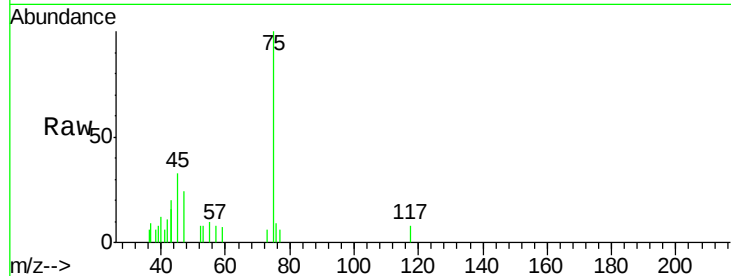
EPE-MX-1(85-87)

Tgt Ion: 43 Resp: 500

Ion Ratio Lower Upper

43 100

72 0.0 20.6 31.0#



#29

Tetrahydrofuran

Concen: 1.79 ug/l

RT: 7.55 min Scan# 978

Delta R.T. 0.02 min

Lab File: VW002352.D

Acq: 10 May 2018 02:35

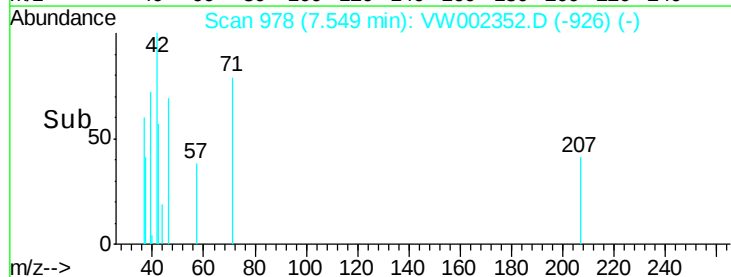
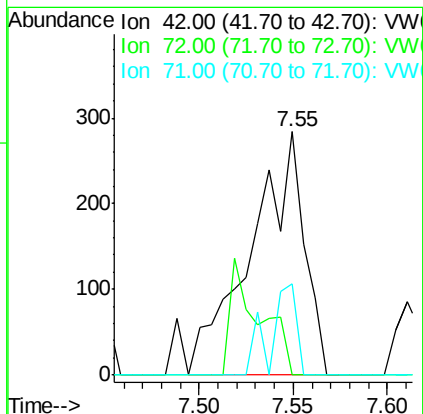
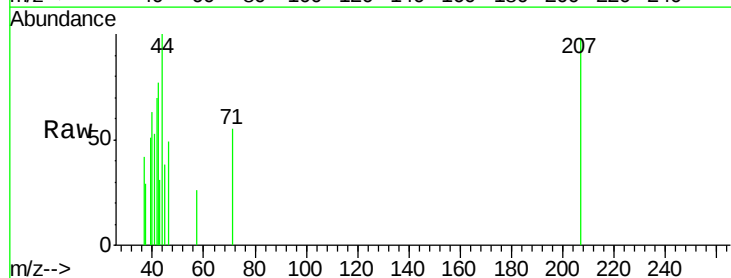
Tgt Ion: 42 Resp: 559

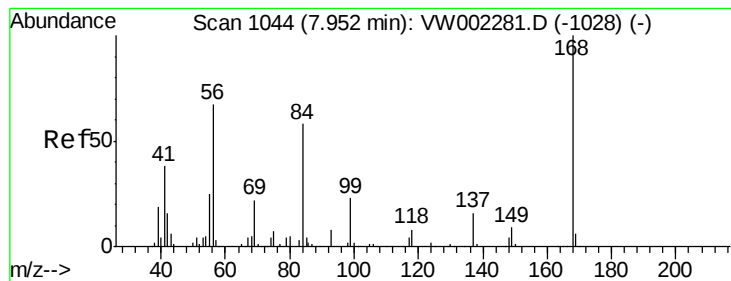
Ion Ratio Lower Upper

42 100

72 0.0 34.5 51.7#

71 18.2 33.0 49.6#





#31

Cyclohexane

Concen: 1.43 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.01 min

Lab File: VW002352.D

Acq: 10 May 2018 02:35

Instrument :

MSVOA_W

ClientSampleId :

EPE-MX-1(85-87)

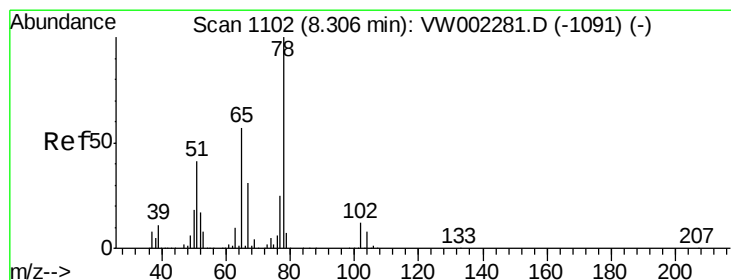
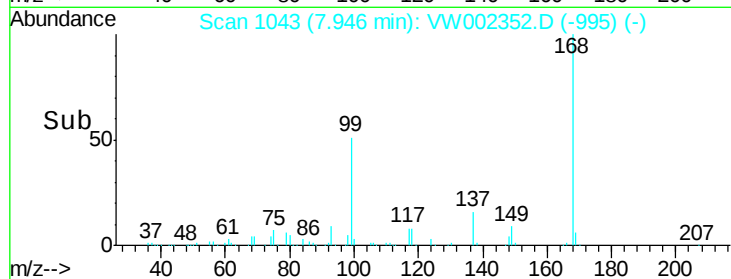
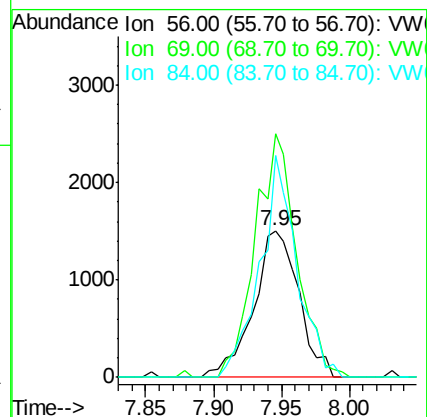
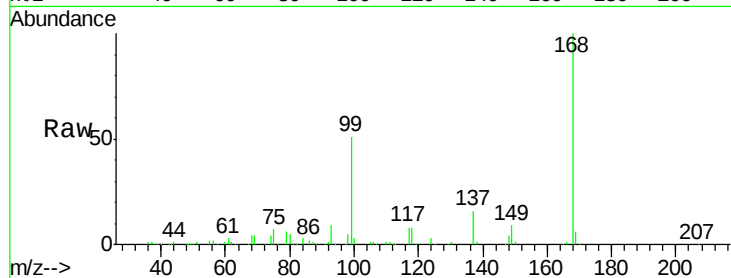
Tgt Ion: 56 Resp: 3499

Ion Ratio Lower Upper

56 100

69 166.2 26.2 39.4#

84 151.3 69.2 103.8#



#33

1,2-Dichloroethane-d4

Concen: 50.30 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002352.D

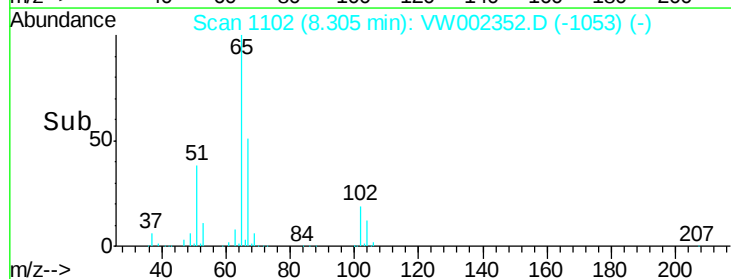
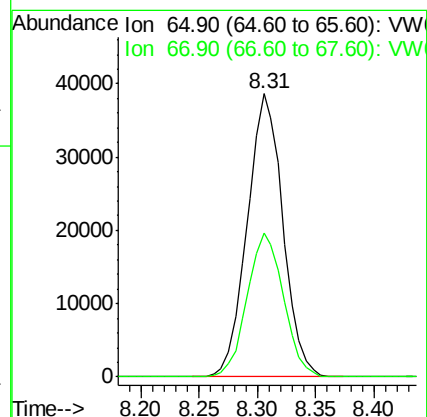
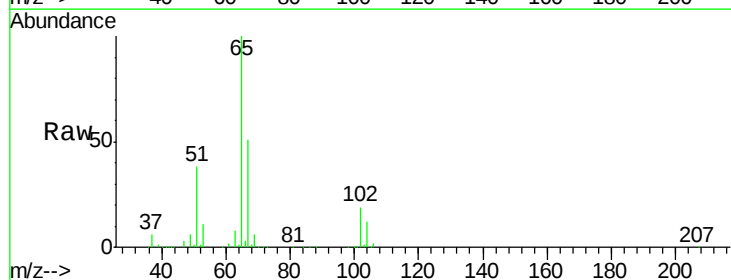
Acq: 10 May 2018 02:35

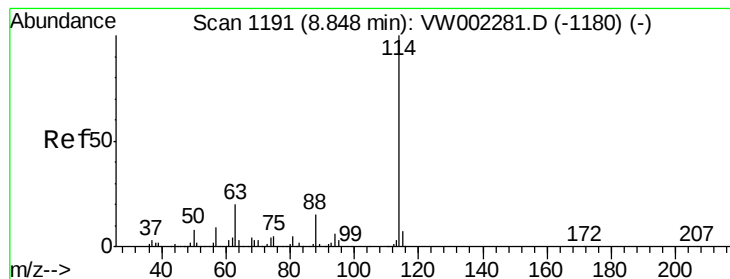
Tgt Ion: 65 Resp: 82562

Ion Ratio Lower Upper

65 100

67 51.9 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: VW002352.D

Acq: 10 May 2018 02:35

Instrument :

MSVOA_W

ClientSampleId :

EPE-MX-1(85-87)

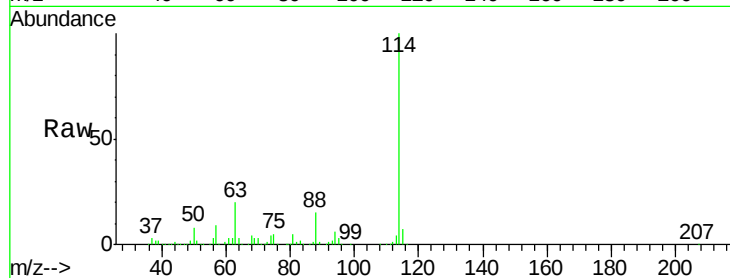
Tgt Ion:114 Resp: 267261

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.0

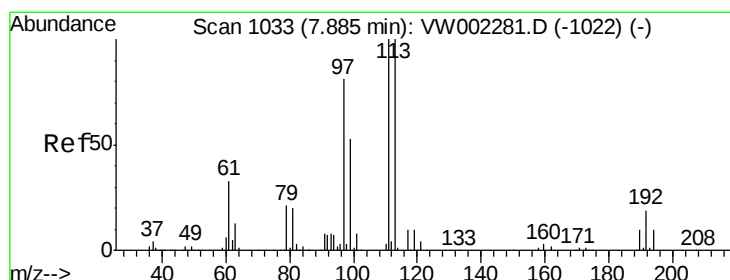
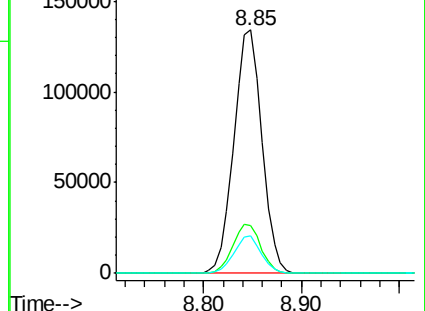
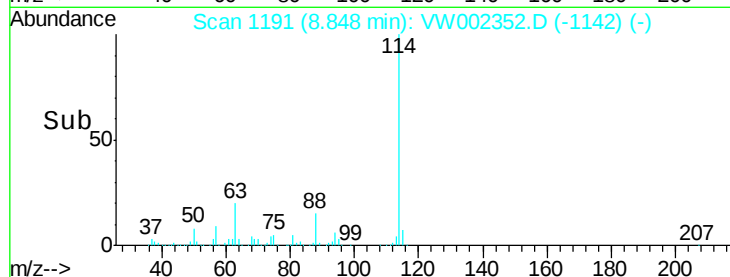
88 15.2 0.0 29.6



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



#35

Dibromofluoromethane

Concen: 47.35 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. -0.00 min

Lab File: VW002352.D

Acq: 10 May 2018 02:35

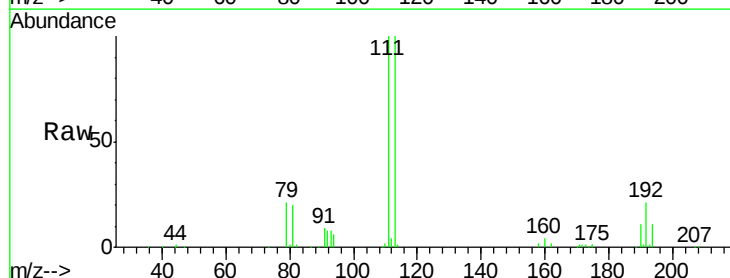
Tgt Ion:113 Resp: 81105

Ion Ratio Lower Upper

113 100

111 104.1 81.5 122.3

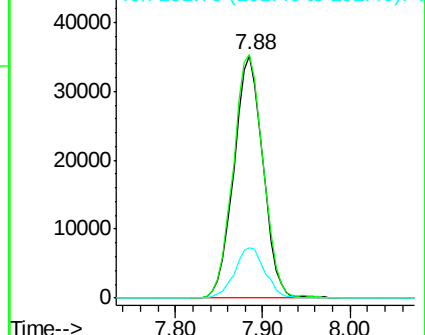
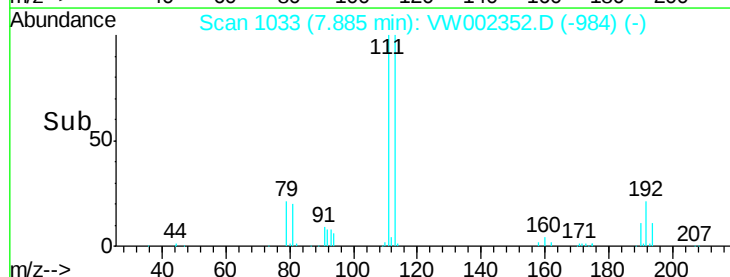
192 21.6 16.4 24.6

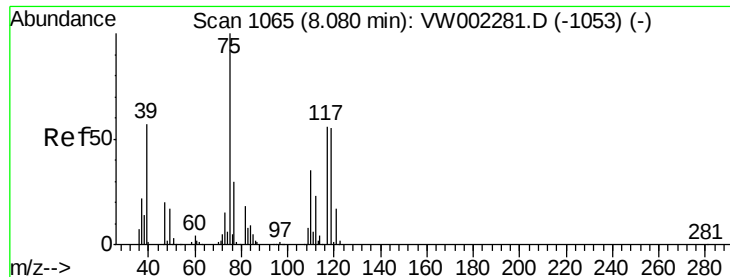


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.61 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW002352.D

Acq: 10 May 2018 02:35

Instrument :

MSVOA_W

ClientSampleId :

EPE-MX-1(85-87)

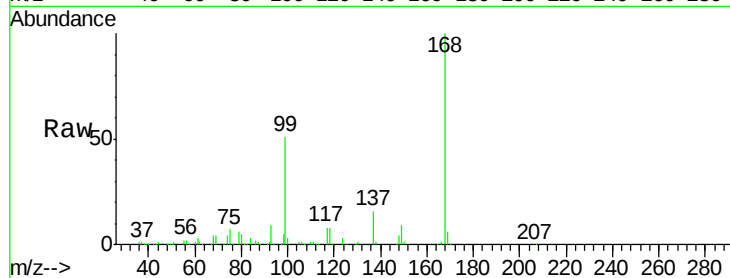
Tgt Ion: 75 Resp: 11143

Ion Ratio Lower Upper

75 100

110 10.4 18.1 54.1#

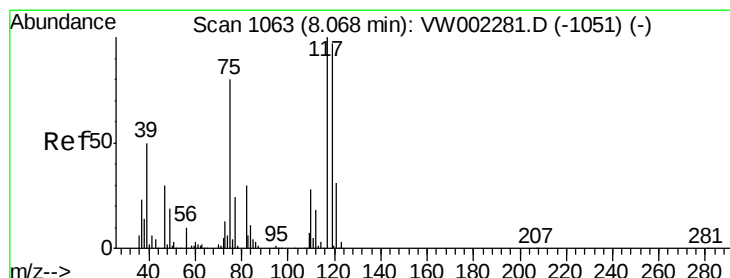
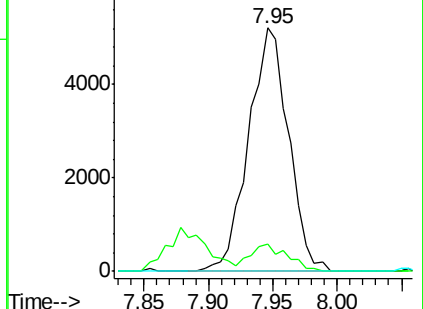
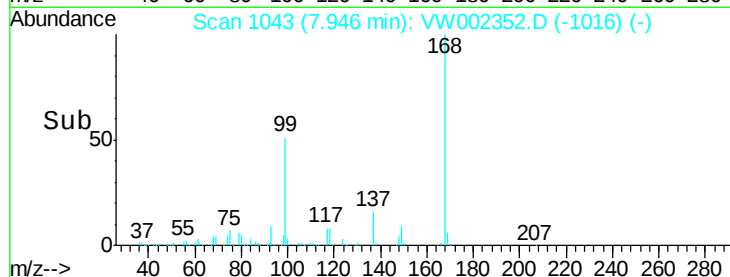
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW



#38

Carbon Tetrachloride

Concen: 6.24 ug/l

RT: 7.94 min Scan# 1042

Delta R.T. -0.13 min

Lab File: VW002352.D

Acq: 10 May 2018 02:35

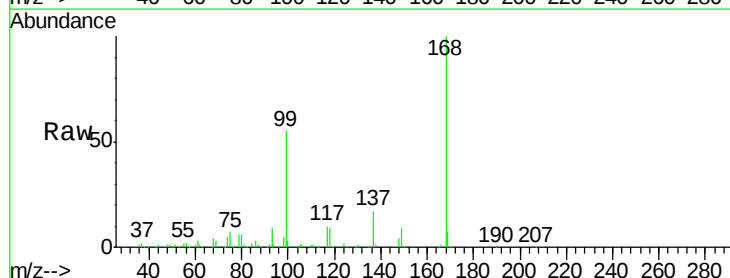
Tgt Ion: 117 Resp: 14582

Ion Ratio Lower Upper

117 100

119 3.5 77.5 116.3#

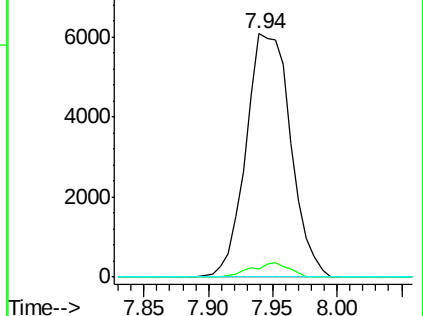
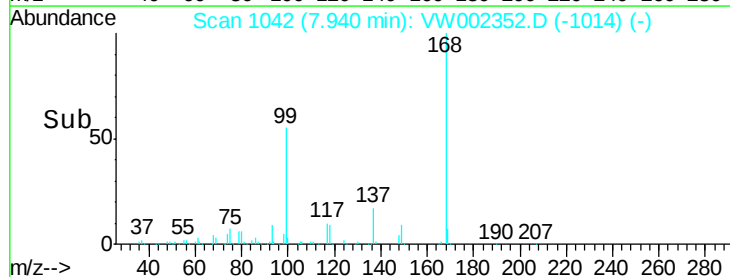
121 0.0 24.4 36.6#

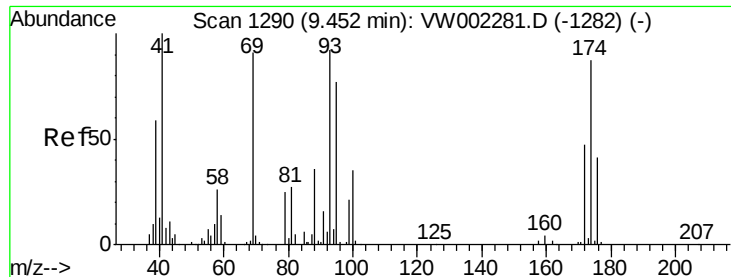


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.27 ug/l

RT: 9.56 min Scan# 1307

Delta R.T. 0.10 min

Lab File: VW002352.D

Acq: 10 May 2018 02:35

Instrument :

MSVOA_W

ClientSampleId :

EPE-MX-1(85-87)

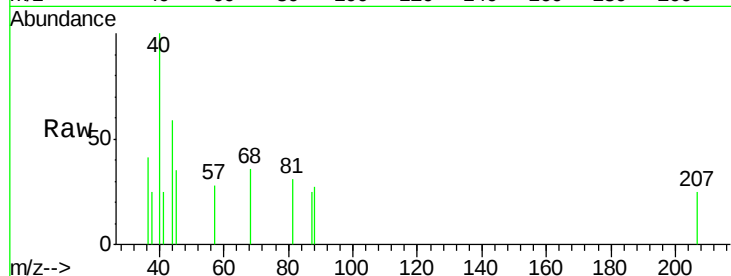
Tgt Ion: 88 Resp: 20

Ion Ratio Lower Upper

88 100

43 265.0 26.3 39.5#

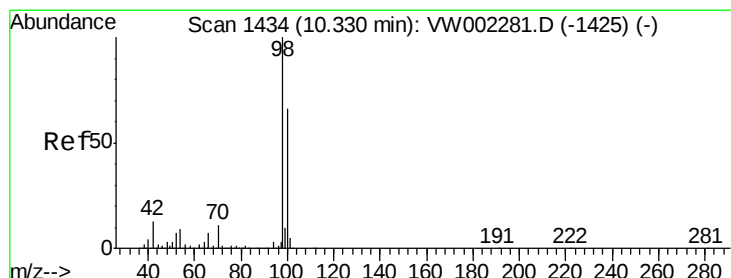
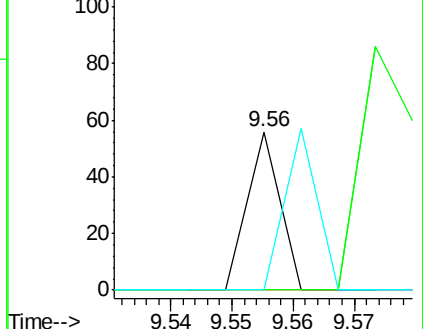
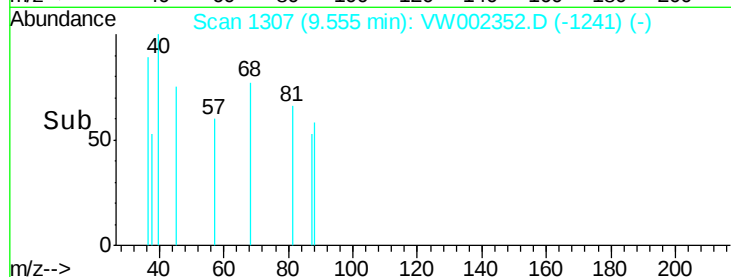
58 105.0 56.0 84.0#



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: 34.81 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW002352.D

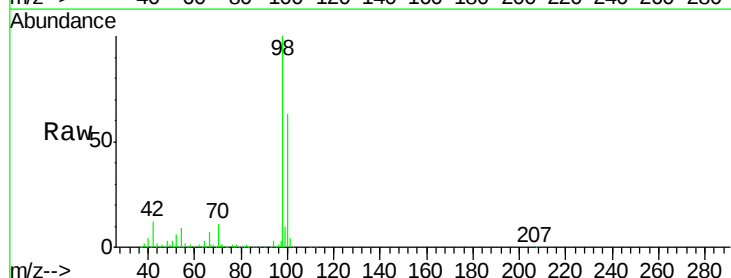
Acq: 10 May 2018 02:35

Tgt Ion: 98 Resp: 227389

Ion Ratio Lower Upper

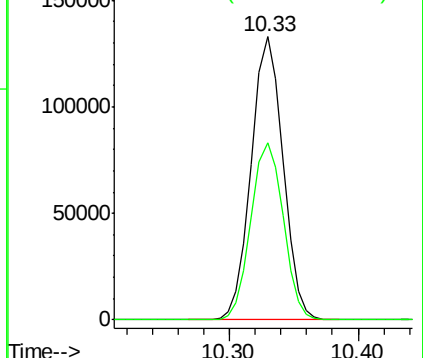
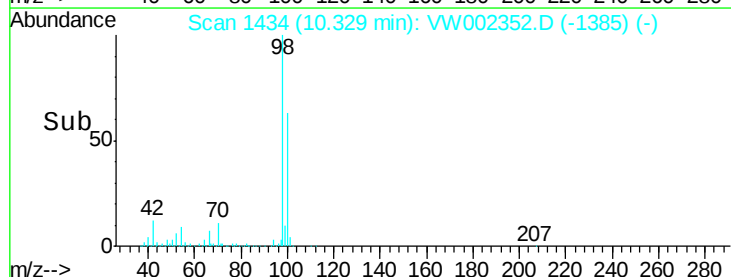
98 100

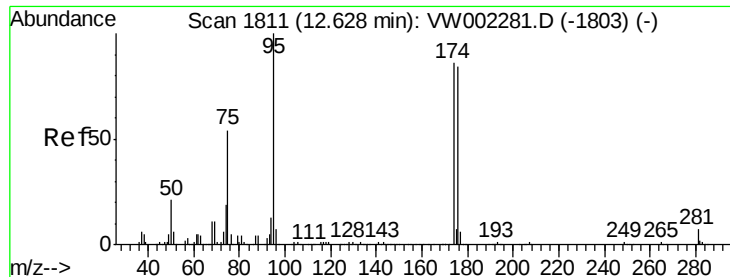
100 63.7 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW

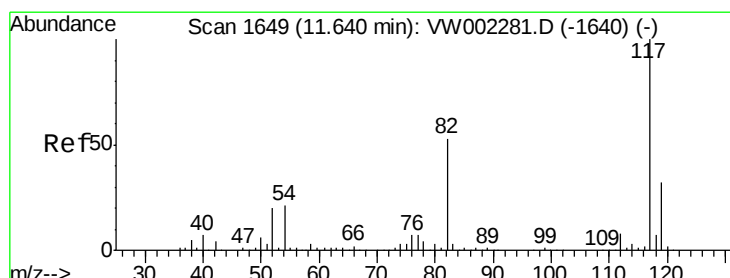
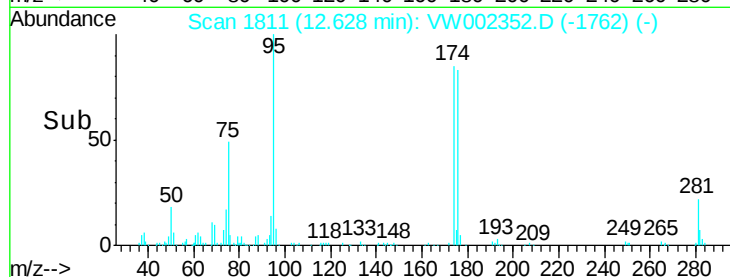
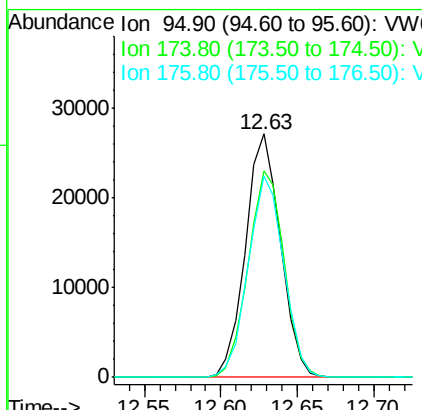
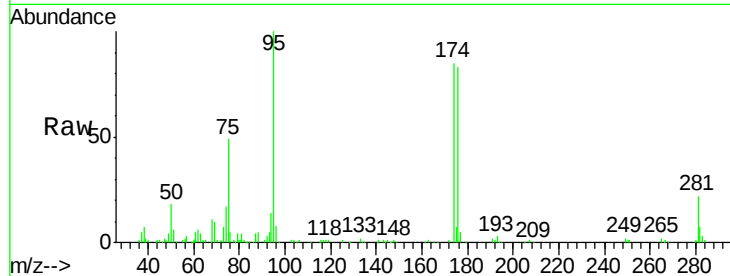




#62
4-Bromofluorobenzene
Concen: 18.29 ug/l
RT: 12.63 min Scan# 1811
Delta R.T. -0.00 min
Lab File: VW002352.D
Acq: 10 May 2018 02:35

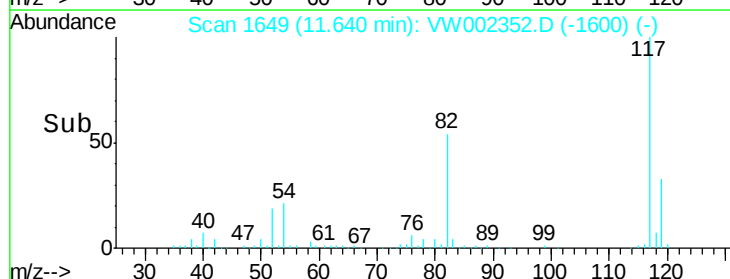
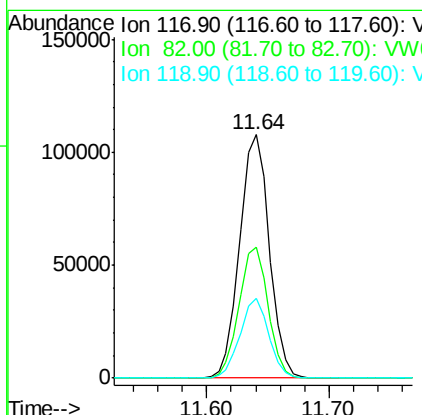
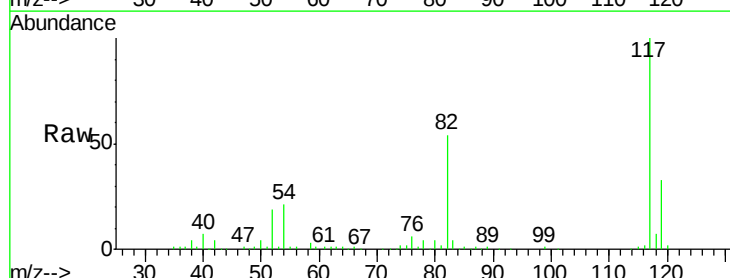
Instrument :
MSVOA_W
ClientSampleId :
EPE-MX-1(85-87)

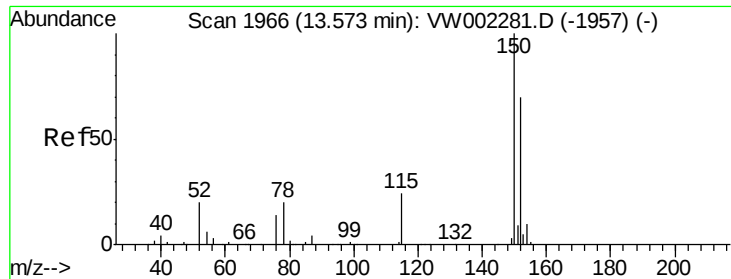
Tgt Ion: 95 Resp: 43167
Ion Ratio Lower Upper
95 100
174 87.1 0.0 176.8
176 84.5 0.0 170.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. -0.00 min
Lab File: VW002352.D
Acq: 10 May 2018 02:35

Tgt Ion: 117 Resp: 181061
Ion Ratio Lower Upper
117 100
82 54.0 42.6 63.8
119 32.9 25.2 37.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.57 min Scan# 1965

Delta R.T. -0.01 min

Lab File: VW002352.D

Acq: 10 May 2018 02:35

Instrument :

MSVOA_W

ClientSampleId :

EPE-MX-1(85-87)

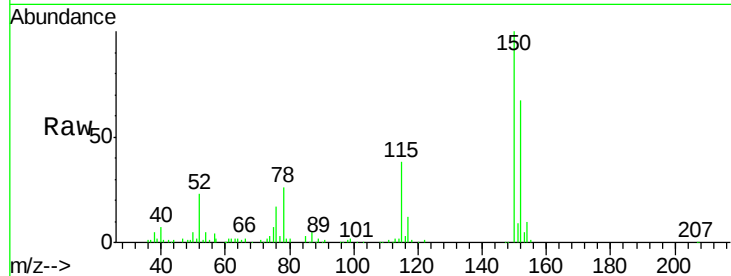
Tgt Ion:152 Resp: 29674

Ion Ratio Lower Upper

152 100

115 56.1 28.5 85.5

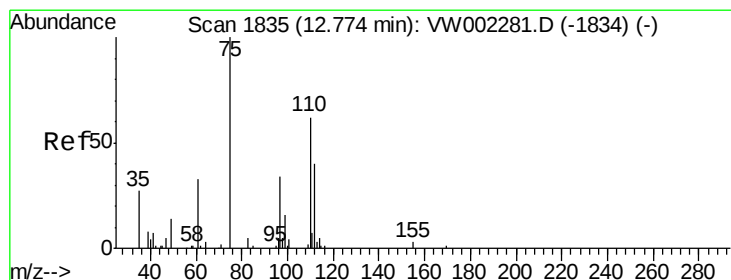
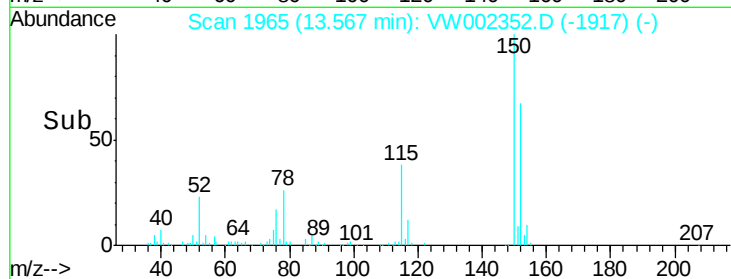
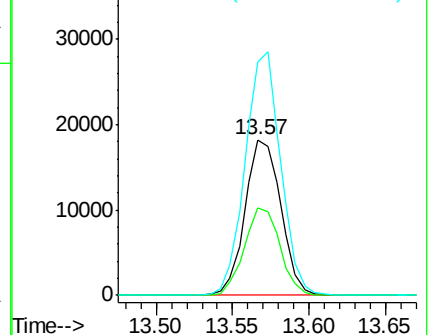
150 154.4 0.0 342.6



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



#76

1,2,3-Trichloropropane

Concen: 83.19 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. -0.15 min

Lab File: VW002352.D

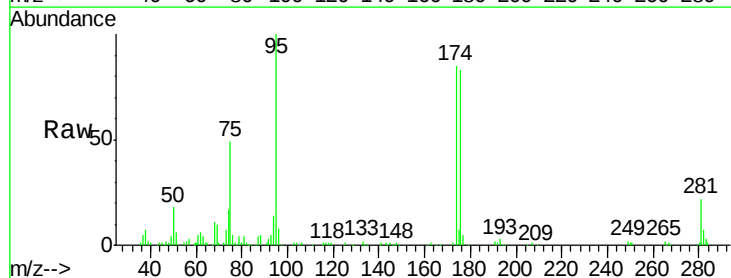
Acq: 10 May 2018 02:35

Tgt Ion: 75 Resp: 21890

Ion Ratio Lower Upper

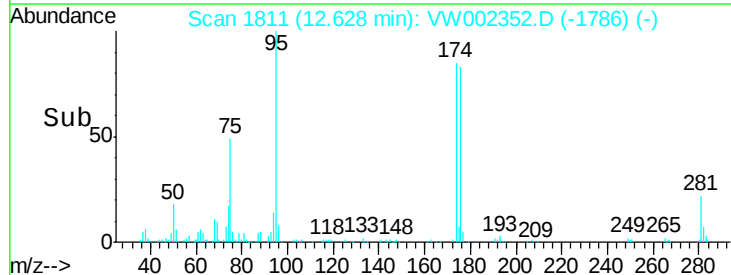
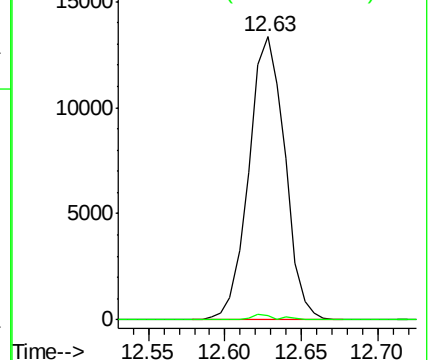
75 100

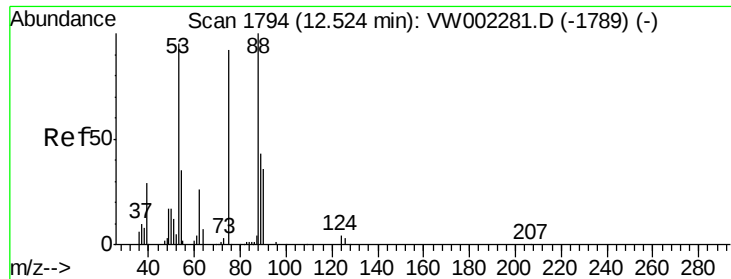
77 0.9 187.5 562.6#



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: 219.13 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.10 min

Lab File: VW002352.D

Acq: 10 May 2018 02:35

Instrument :

MSVOA_W

ClientSampleId :

EPE-MX-1(85-87)

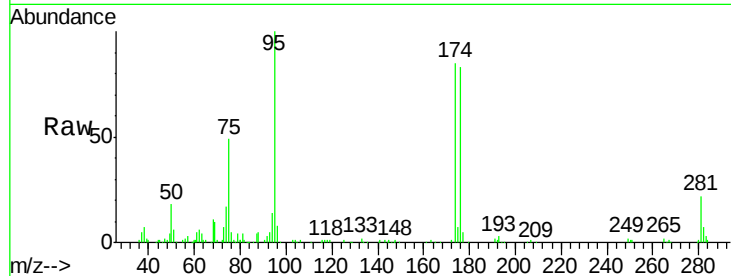
Tgt Ion: 75 Resp: 21890

Ion Ratio Lower Upper

75 100

53 0.1 79.9 119.9#

89 0.1 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

