

Data File : VW002358.D
Acq On : 10 May 2018 05:05
Operator : JC/SY
Sample : J2730-09
Misc : 6.64G/5ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
EPE-MX-1(130-132)

Quant Time: May 10 05:53:28 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	58063	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	128606	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	65979	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	4970	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	54941	89.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	178.20%	
35) Dibromofluoromethane	7.88	113	52465	63.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	127.30%	
50) Toluene-d8	10.33	98	100098	31.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	63.68%	
62) 4-Bromofluorobenzene	12.63	95	9481	8.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	16.70%	

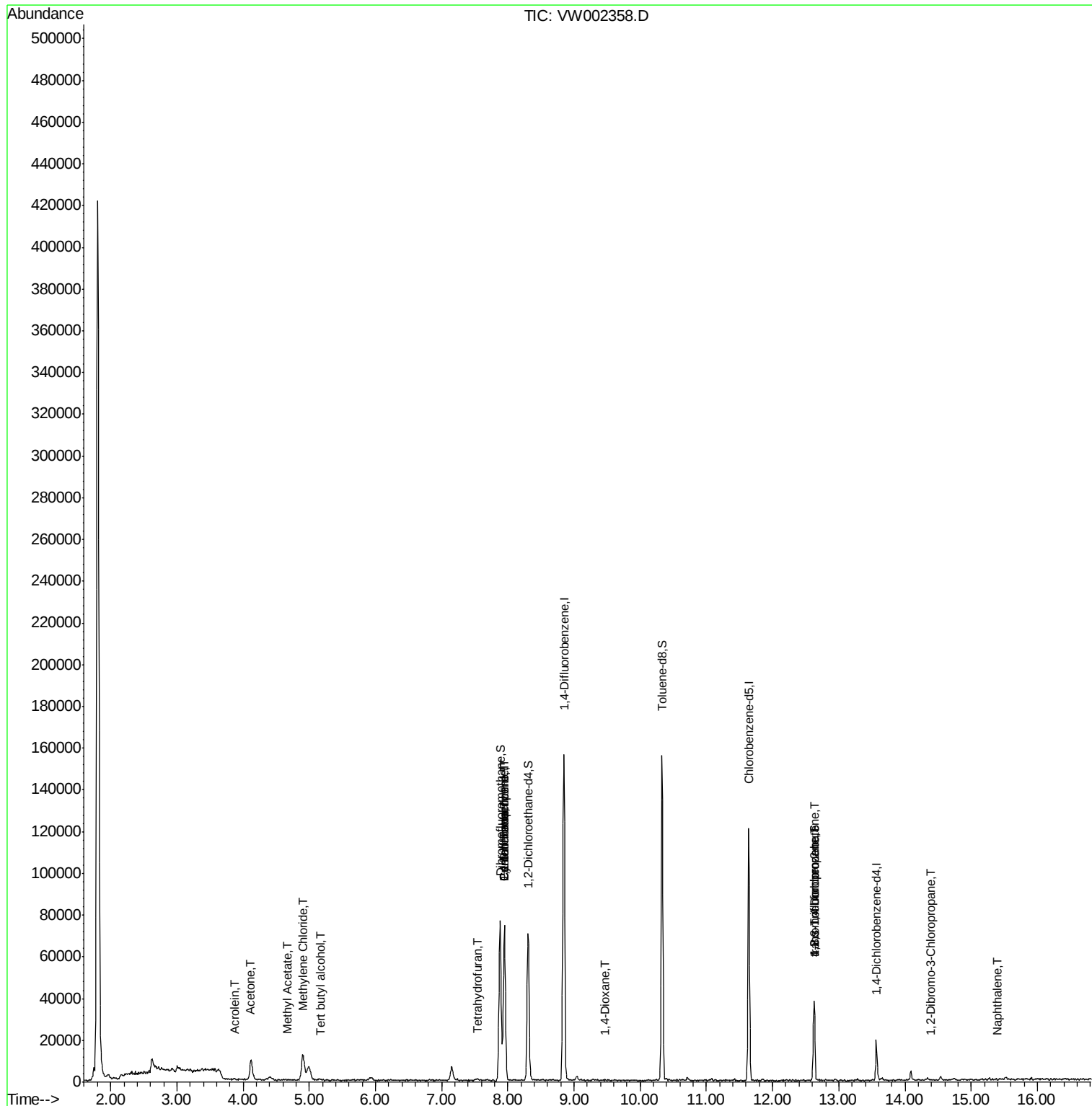
Target Compounds			Qvalue			
11) Tert butyl alcohol	5.17	59	445	9.93	ug/l #	55
13) Acrolein	3.89	56	40	1.07	ug/l #	66
16) Acetone	4.12	43	17418	144.65	ug/l	97
18) Methyl Acetate	4.67	43	404	1.12	ug/l #	51
20) Methylene Chloride	4.91	84	9820	16.91	ug/l	96
29) Tetrahydrofuran	7.53	42	243	2.07	ug/l #	82
31) Cyclohexane	7.95	56	1405	1.53	ug/l #	32
36) 1,1-Dichloropropene	7.95	75	4286	3.68	ug/l #	49
38) Carbon Tetrachloride	7.95	117	5419	4.82	ug/l #	14
49) 1,4-Dioxane	9.48	88	19	2.51	ug/l #	23
76) 1,2,3-Trichloropropane	12.63	75	5300	120.26	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.63	75	5300	316.77	ug/l #	10
92) 1,2-Dibromo-3-Chloropropan	14.39	75	64	5.93	ug/l #	1
95) Naphthalene	15.40	128	313	1.63	ug/l #	68

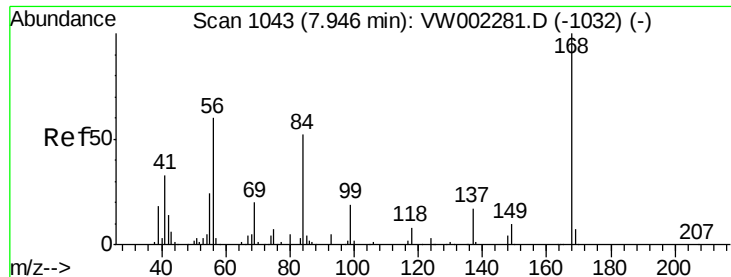
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. 0.01 min

Lab File: VW002358.D

Acq: 10 May 2018 05:05

Instrument :

MSVOA_W

ClientSampleId :

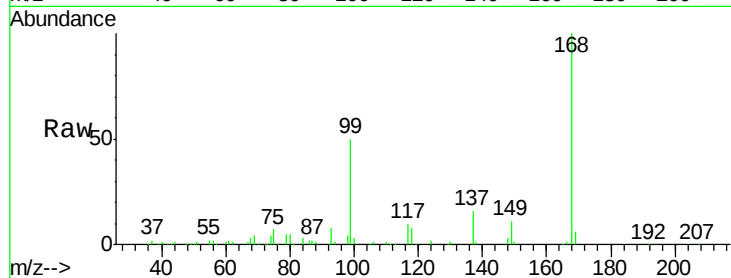
EPE-MX-1(130-132)

Tgt Ion:168 Resp: 58063

Ion Ratio Lower Upper

168 100

99 50.5 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

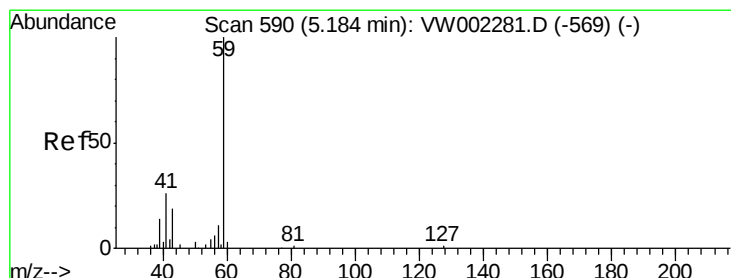
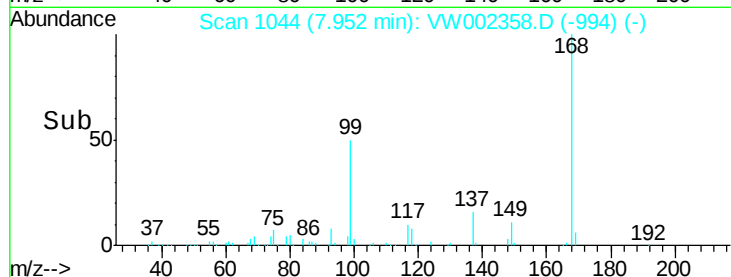
10000

5000

0

7.85 7.90 7.95 8.00 8.05

Time-->



#11

Tert butyl alcohol

Concen: 9.93 ug/l

RT: 5.17 min Scan# 587

Delta R.T. -0.02 min

Lab File: VW002358.D

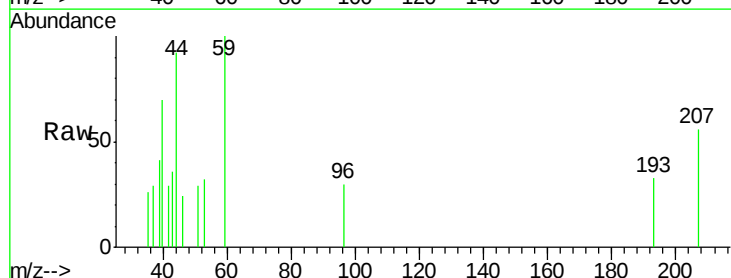
Acq: 10 May 2018 05:05

Tgt Ion: 59 Resp: 445

Ion Ratio Lower Upper

59 100

57 19.8 3.9 5.9#



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

250

200

150

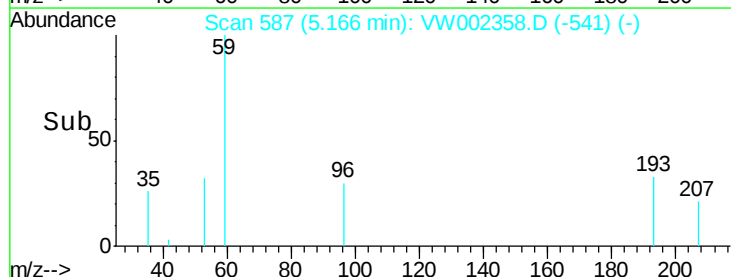
100

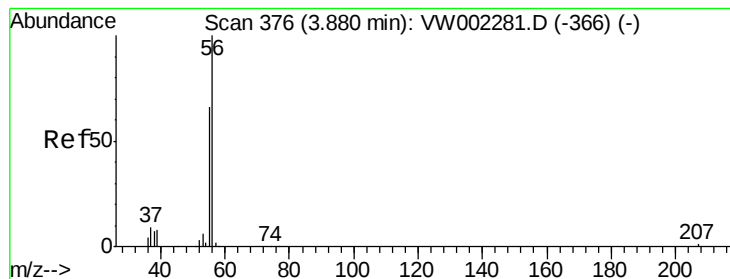
50

0

5.14 5.16 5.18 5.20

Time-->





#13

Acrolein

Concen: 1.07 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.01 min

Lab File: VW002358.D

Acq: 10 May 2018 05:05

Instrument :

MSVOA_W

ClientSampleId :

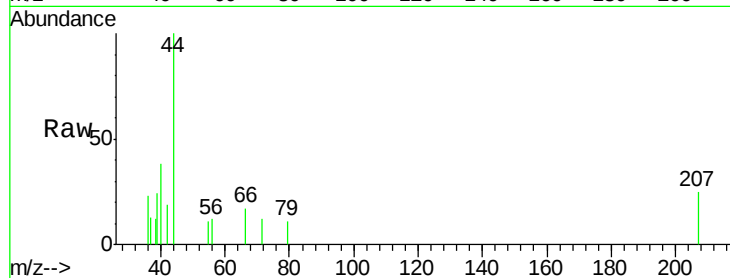
EPE-MX-1(130-132)

Tgt Ion: 56 Resp: 40

Ion Ratio Lower Upper

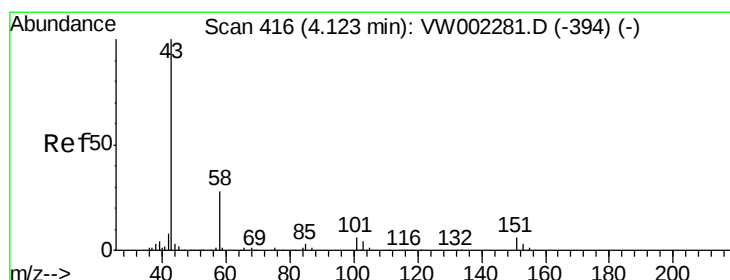
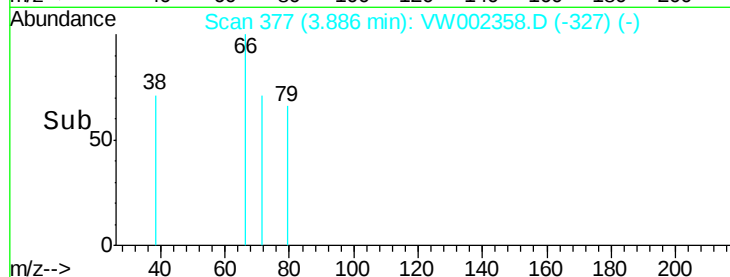
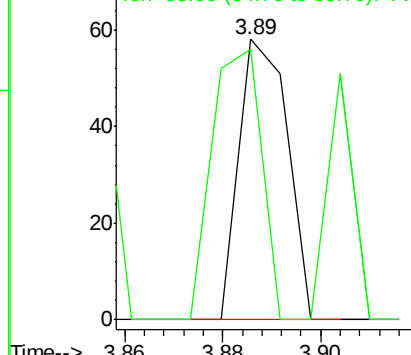
56 100

55 100.0 57.3 85.9#



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#16

Acetone

Concen: 144.65 ug/l

RT: 4.12 min Scan# 415

Delta R.T. -0.01 min

Lab File: VW002358.D

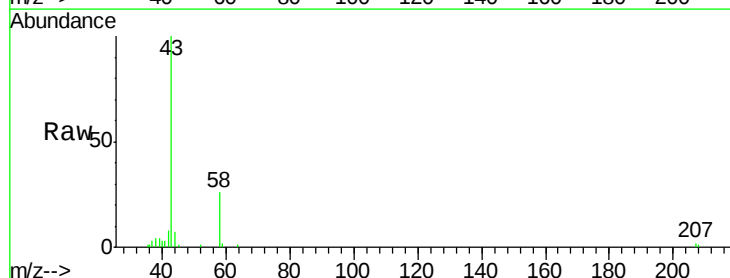
Acq: 10 May 2018 05:05

Tgt Ion: 43 Resp: 17418

Ion Ratio Lower Upper

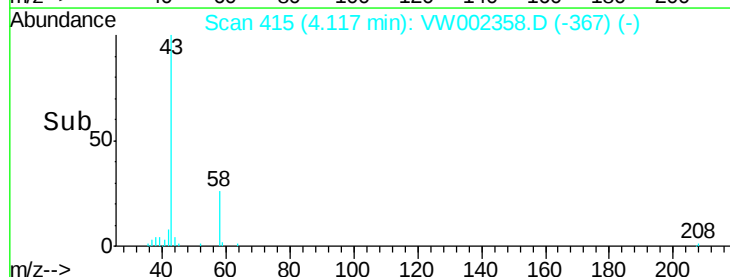
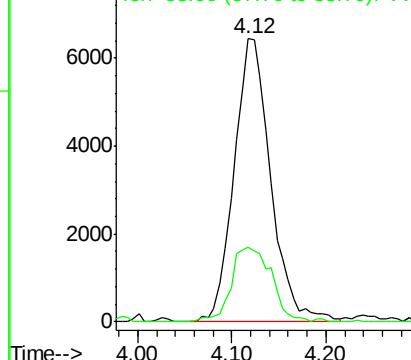
43 100

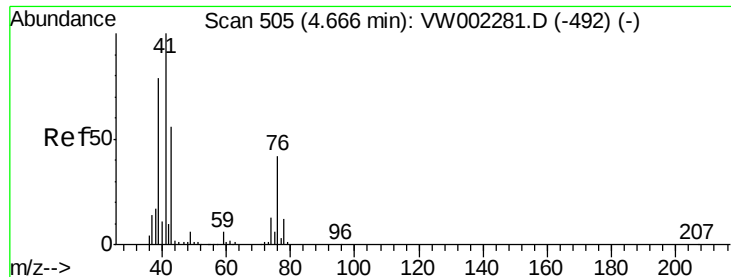
58 26.3 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

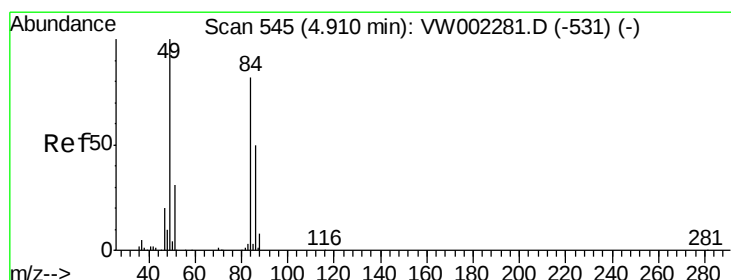
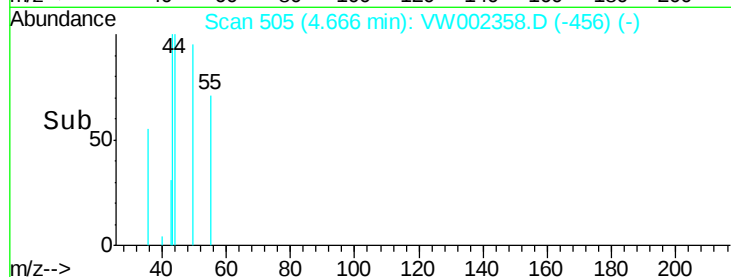
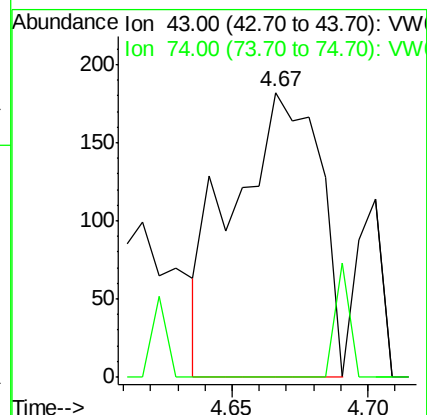
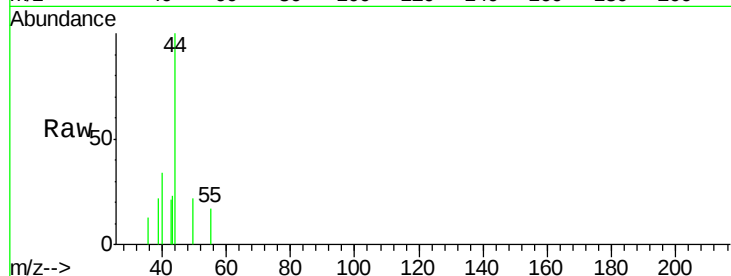




#18
Methyl Acetate
Concen: 1.12 ug/l
RT: 4.67 min Scan# 505
Delta R.T. 0.00 min
Lab File: VW002358.D
Acq: 10 May 2018 05:05

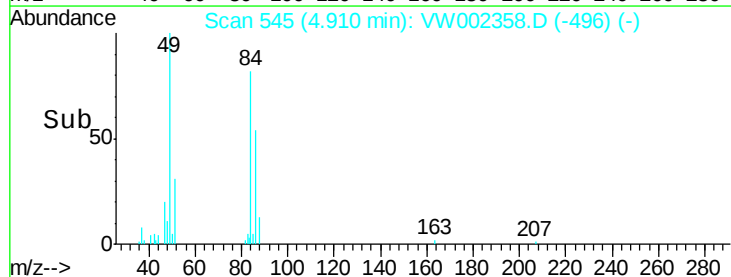
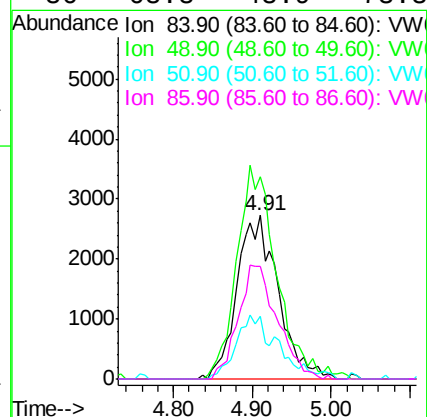
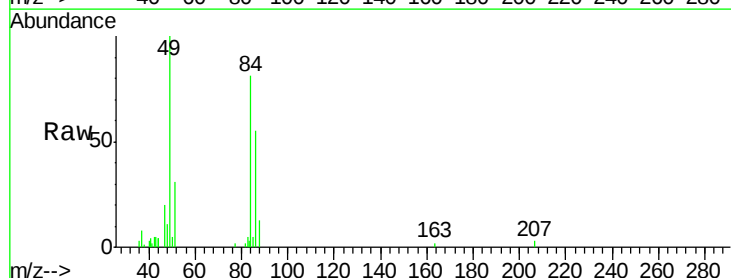
Instrument :
MSVOA_W
ClientSampleId :
EPE-MX-1(130-132)

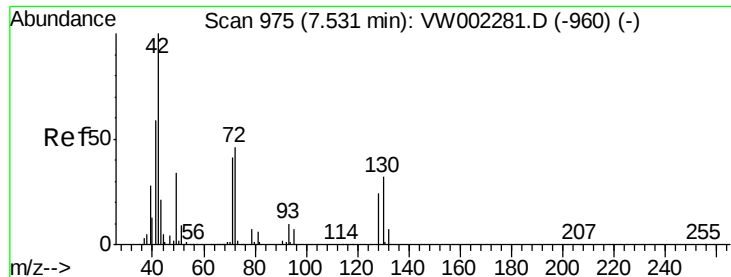
Tgt Ion: 43 Resp: 404
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: 16.91 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW002358.D
Acq: 10 May 2018 05:05

Tgt Ion: 84 Resp: 9820
Ion Ratio Lower Upper
84 100
49 124.2 97.7 146.5
51 38.2 30.2 45.4
86 68.8 48.9 73.3

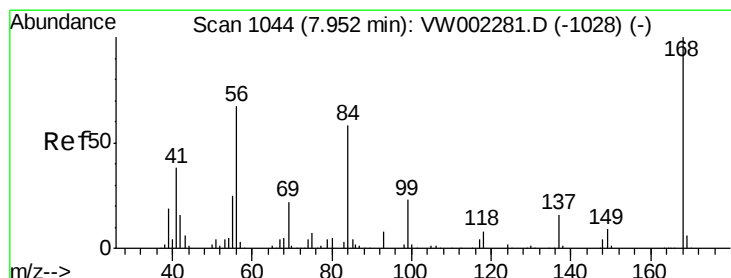
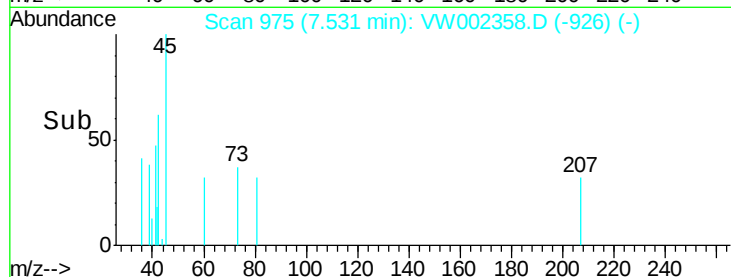
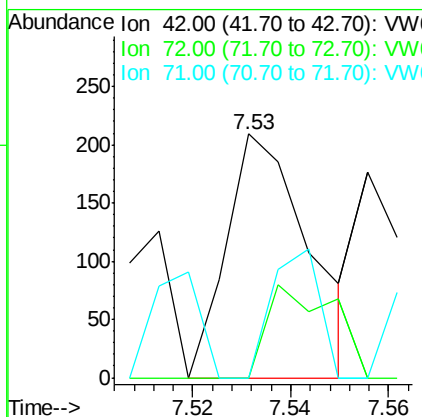
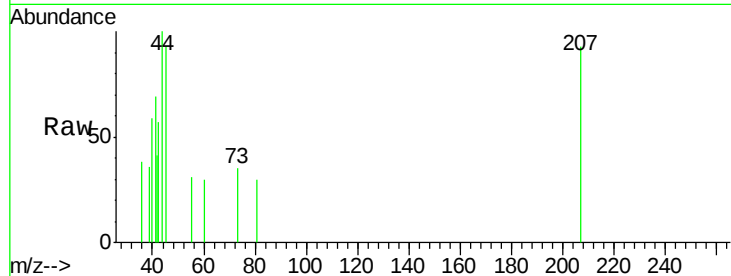




#29
Tetrahydrofuran
Concen: 2.07 ug/l
RT: 7.53 min Scan# 975
Delta R.T. 0.00 min
Lab File: VW002358.D
Acq: 10 May 2018 05:05

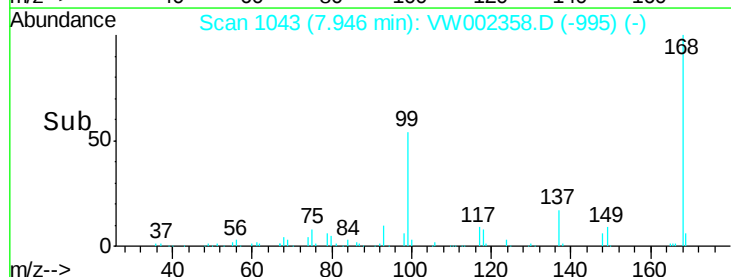
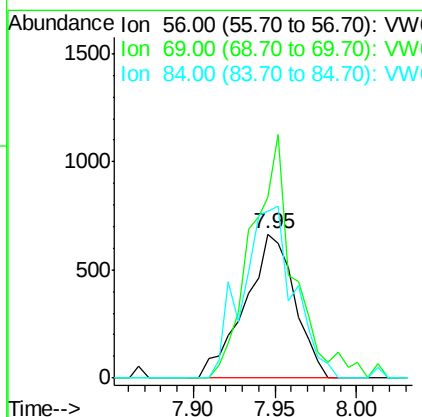
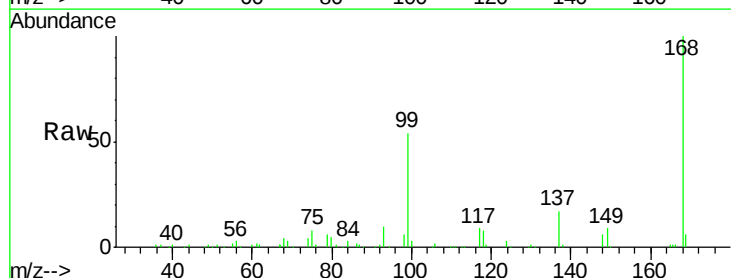
Instrument :
MSVOA_W
ClientSampleId :
EPE-MX-1(130-132)

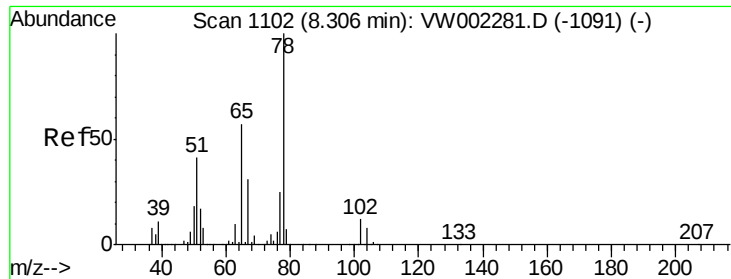
Tgt Ion: 42 Resp: 243
Ion Ratio Lower Upper
42 100
72 30.9 34.5 51.7#
71 30.9 33.0 49.6#



#31
Cyclohexane
Concen: 1.53 ug/l
RT: 7.95 min Scan# 1043
Delta R.T. -0.01 min
Lab File: VW002358.D
Acq: 10 May 2018 05:05

Tgt Ion: 56 Resp: 1405
Ion Ratio Lower Upper
56 100
69 125.8 26.2 39.4#
84 115.5 69.2 103.8#





#33

1,2-Dichloroethane-d4

Concen: 89.10 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VW002358.D

Acq: 10 May 2018 05:05

Instrument :

MSVOA_W

ClientSampleId :

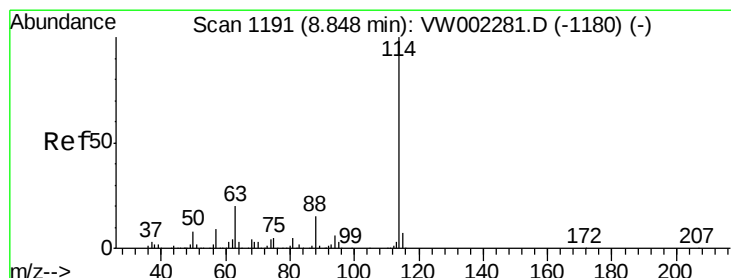
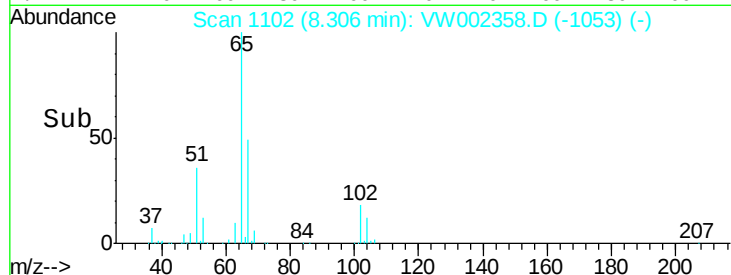
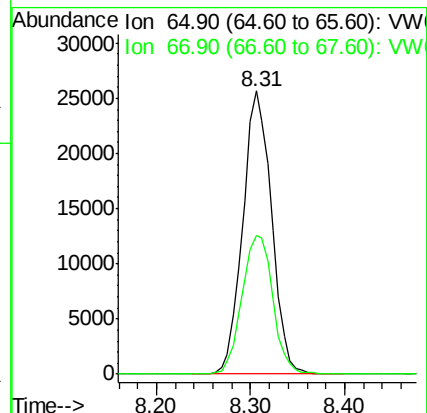
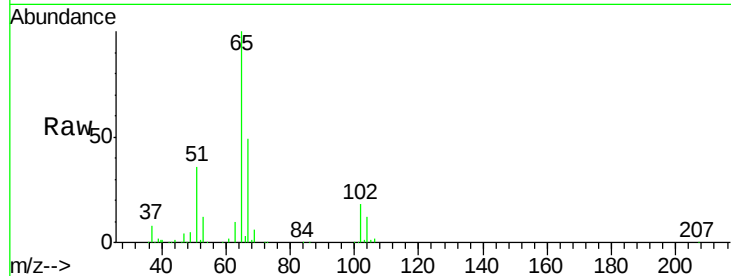
EPE-MX-1(130-132)

Tgt Ion: 65 Resp: 54941

Ion Ratio Lower Upper

65 100

67 52.4 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: VW002358.D

Acq: 10 May 2018 05:05

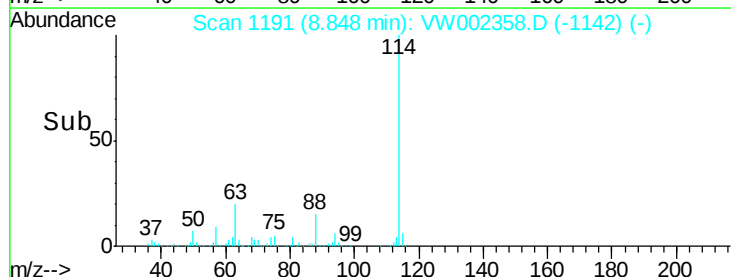
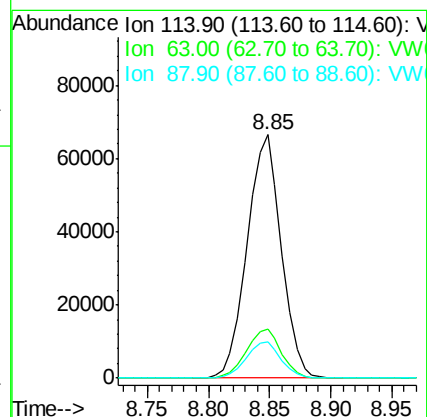
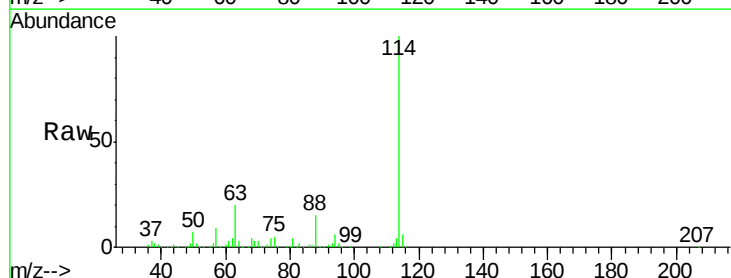
Tgt Ion: 114 Resp: 128606

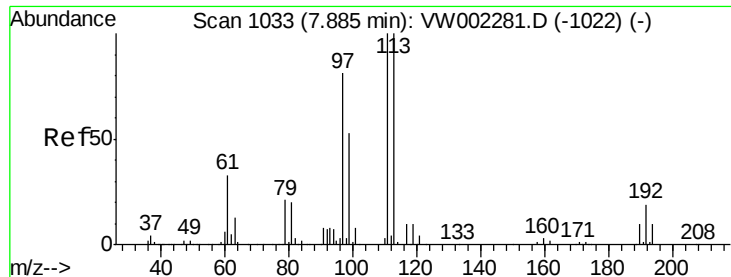
Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.0

88 15.0 0.0 29.6





#35

Dibromofluoromethane

Concen: 63.65 ug/l

RT: 7.88 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VW002358.D

Acq: 10 May 2018 05:05

Instrument :
MSVOA_W
ClientSampleId :
EPE-MX-1(130-132)

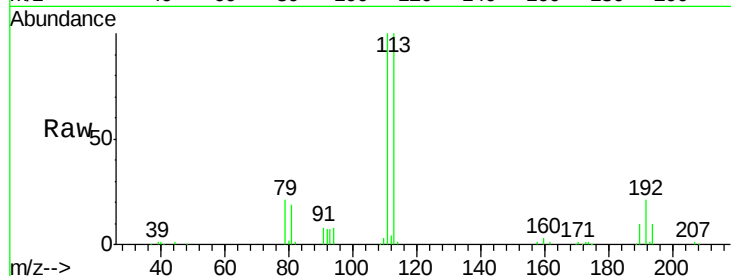
Tgt Ion: 113 Resp: 52465

Ion Ratio Lower Upper

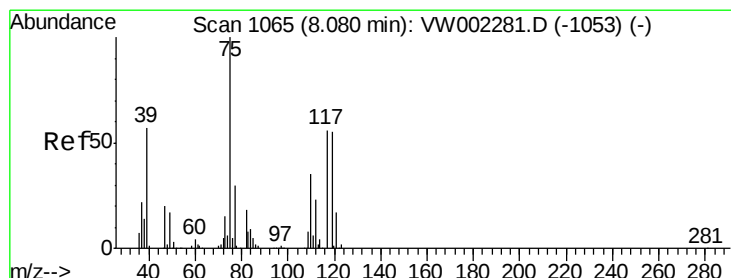
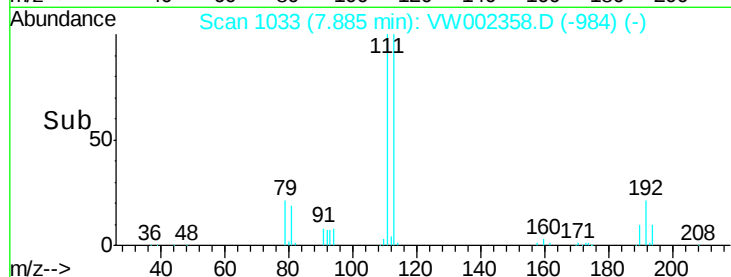
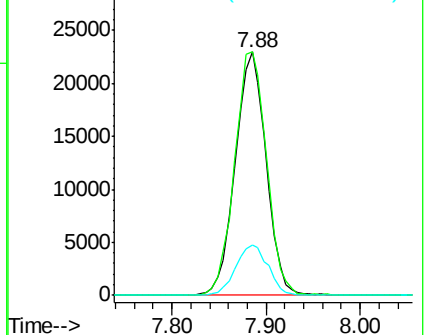
113 100

111 103.1 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: 3.68 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.13 min

Lab File: VW002358.D

Acq: 10 May 2018 05:05

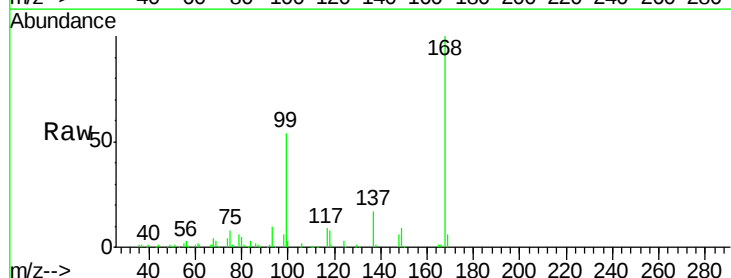
Tgt Ion: 75 Resp: 4286

Ion Ratio Lower Upper

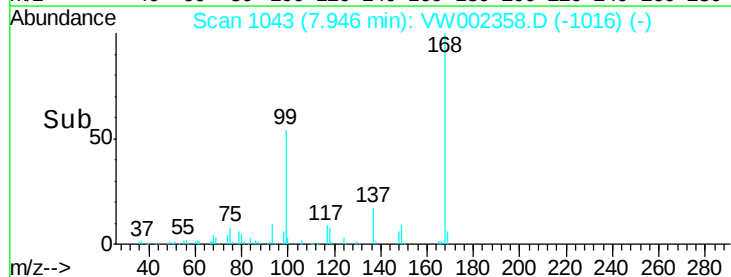
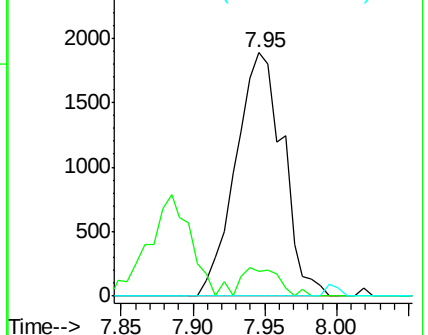
75 100

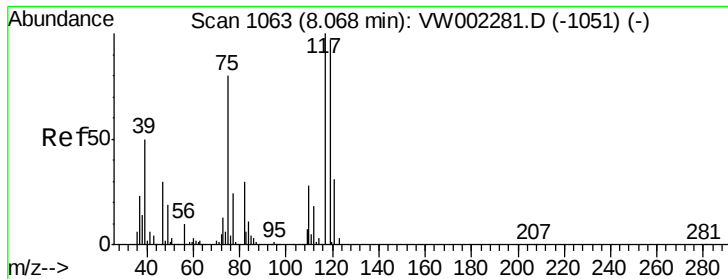
110 9.0 18.1 54.1#

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: 4.82 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.12 min

Lab File: VW002358.D

Acq: 10 May 2018 05:05

Instrument :

MSVOA_W

ClientSampleId :

EPE-MX-1(130-132)

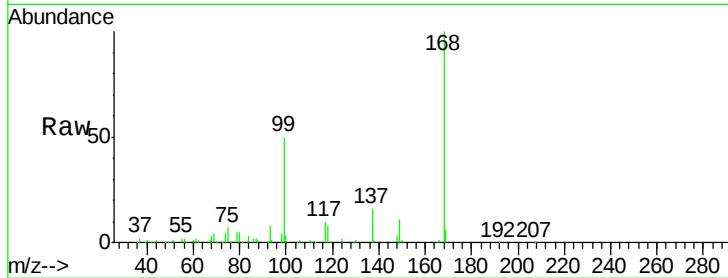
Tgt Ion:117 Resp: 5419

Ion Ratio Lower Upper

117 100

119 2.6 77.5 116.3#

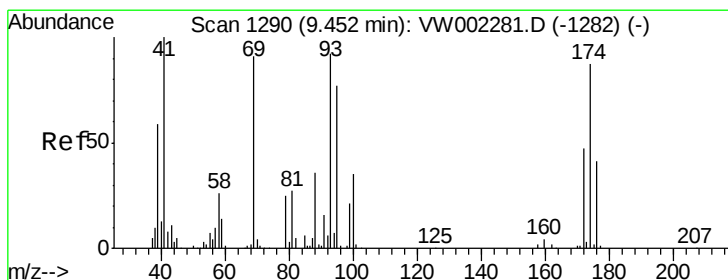
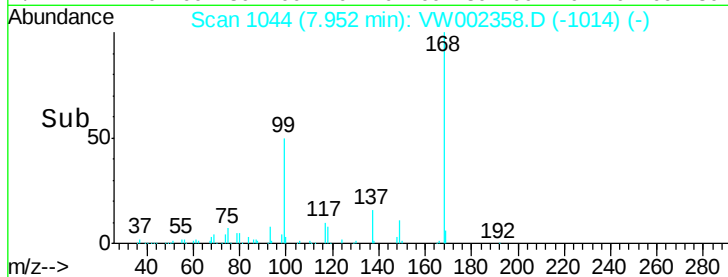
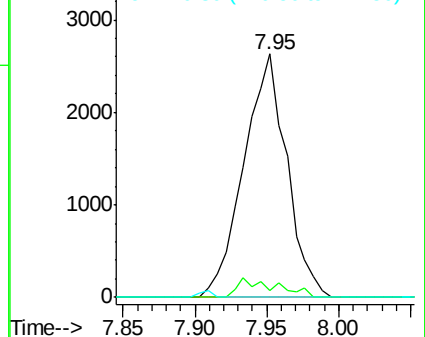
121 0.0 24.4 36.6#



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: 2.51 ug/l

RT: 9.48 min Scan# 1294

Delta R.T. 0.02 min

Lab File: VW002358.D

Acq: 10 May 2018 05:05

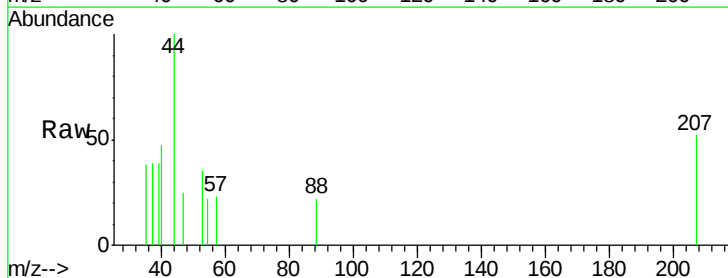
Tgt Ion: 88 Resp: 19

Ion Ratio Lower Upper

88 100

43 0.0 26.3 39.5#

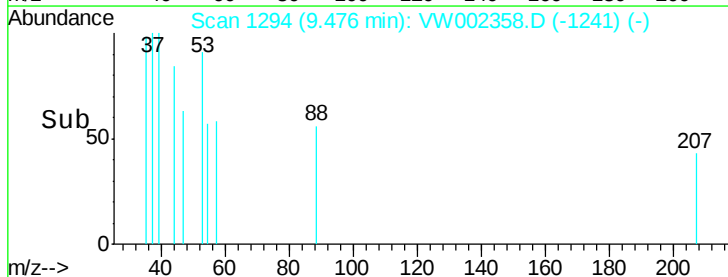
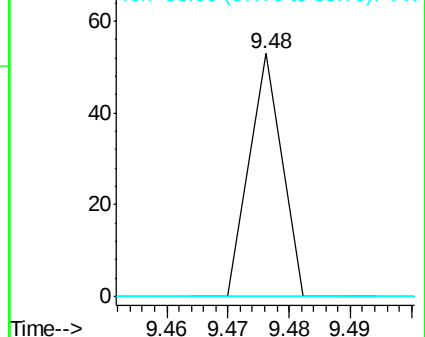
58 0.0 56.0 84.0#

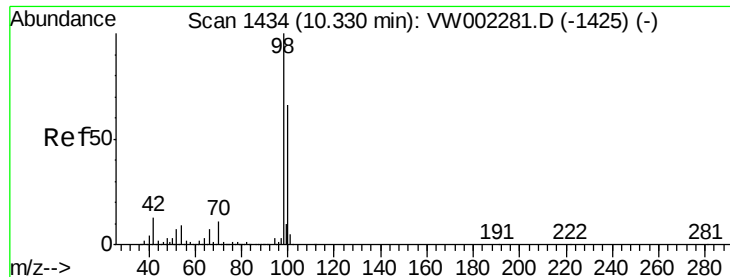


Abundance Ion 88.00 (87.70 to 88.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#50

Toluene-d8

Concen: 31.84 ug/l

RT: 10.33 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW002358.D

Acq: 10 May 2018 05:05

Instrument :

MSVOA_W

ClientSampleId :

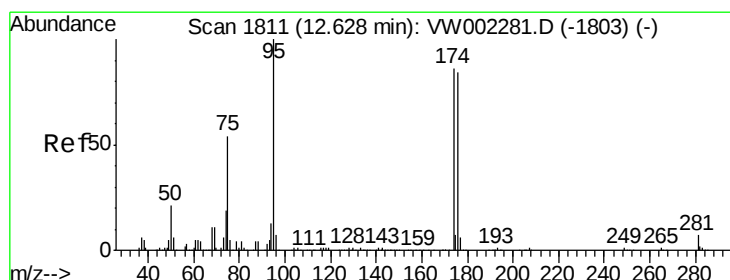
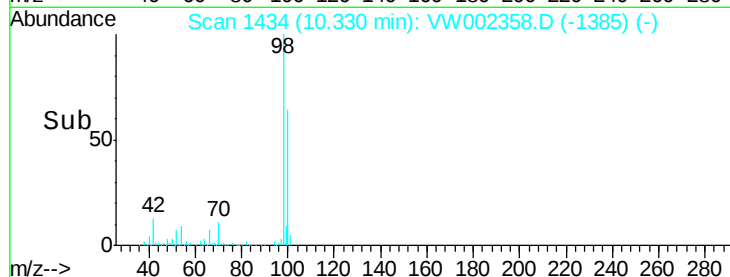
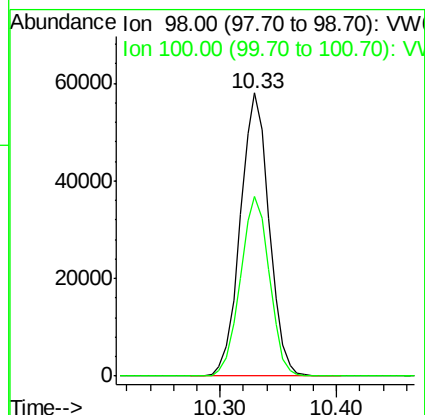
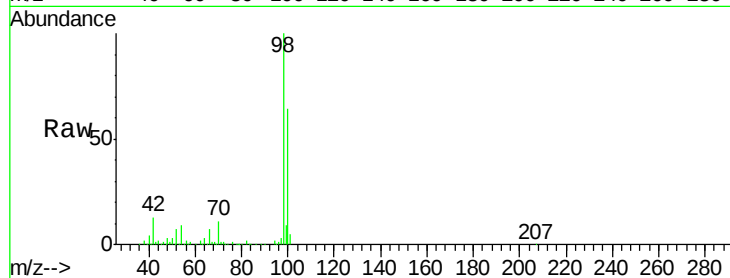
EPE-MX-1(130-132)

Tgt Ion: 98 Resp: 100098

Ion Ratio Lower Upper

98 100

100 63.8 51.4 77.2



#62

4-Bromofluorobenzene

Concen: 8.35 ug/l

RT: 12.63 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW002358.D

Acq: 10 May 2018 05:05

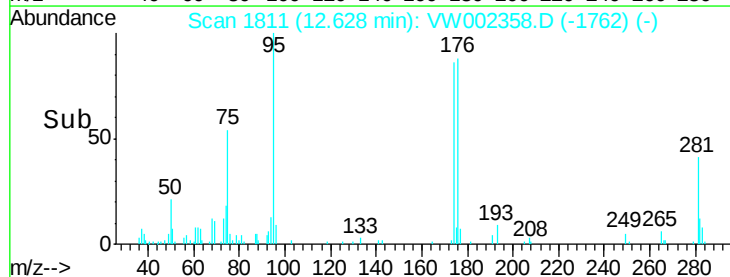
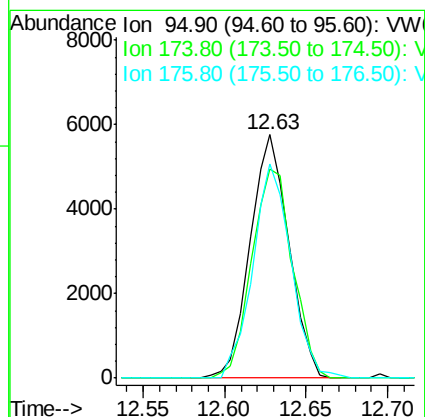
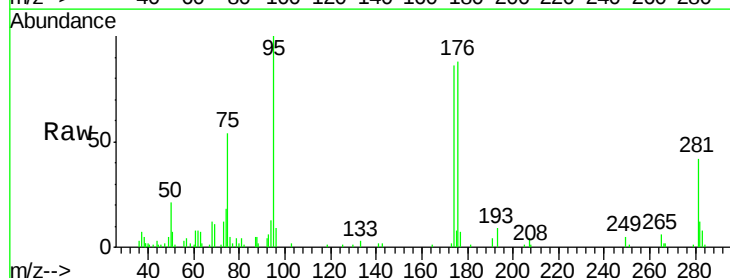
Tgt Ion: 95 Resp: 9481

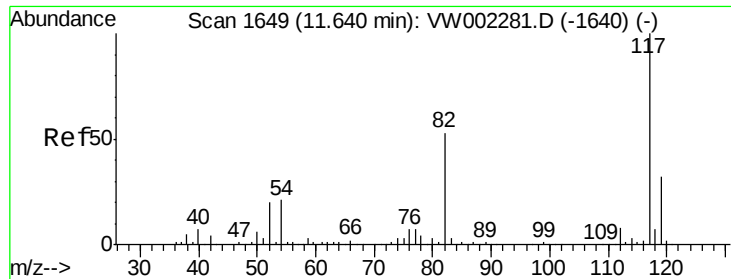
Ion Ratio Lower Upper

95 100

174 90.8 0.0 176.8

176 87.0 0.0 170.4

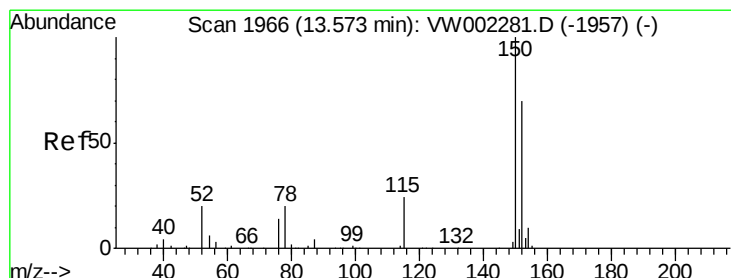
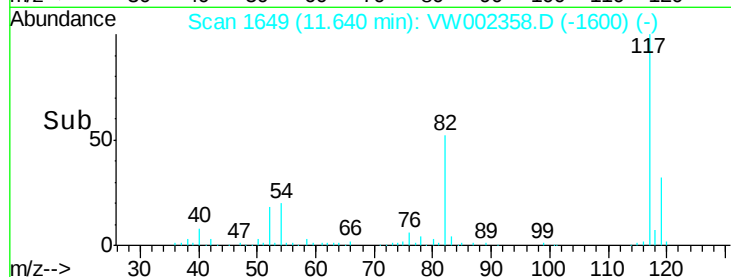
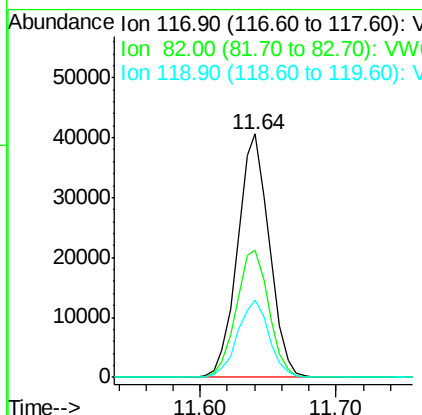
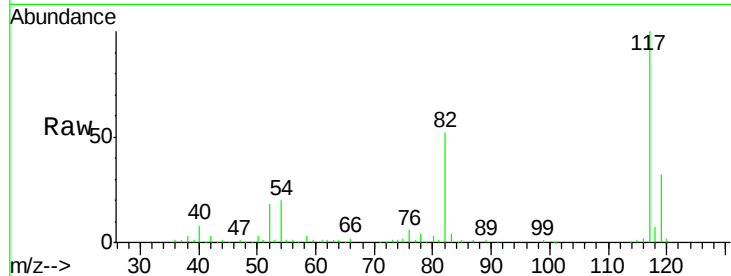




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1649
Delta R.T. 0.00 min
Lab File: VW002358.D
Acq: 10 May 2018 05:05

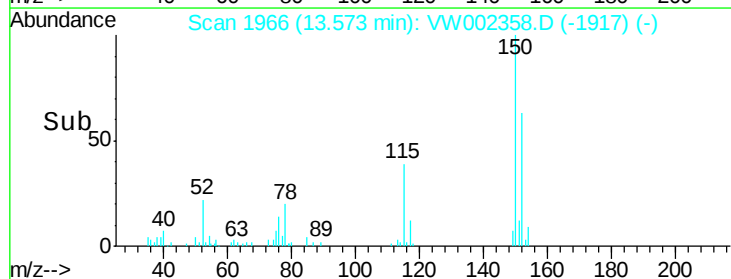
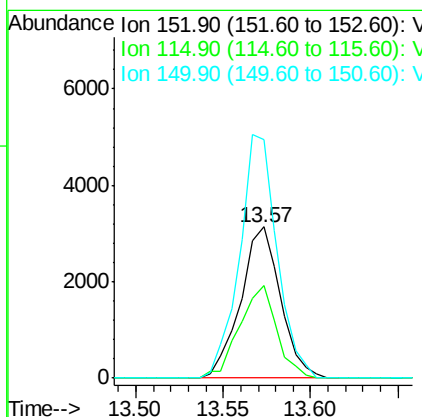
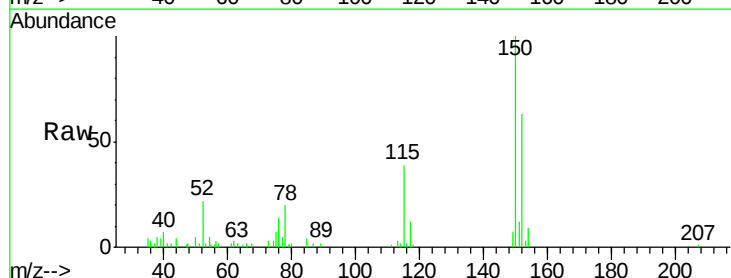
Instrument :
MSVOA_W
ClientSampleId :
EPE-MX-1(130-132)

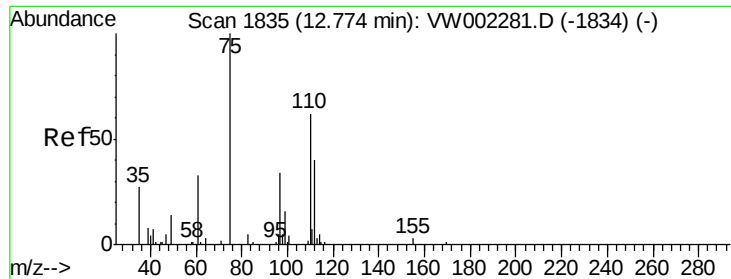
Tgt Ion:117 Resp: 65979
Ion Ratio Lower Upper
117 100
82 52.3 42.6 63.8
119 31.7 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VW002358.D
Acq: 10 May 2018 05:05

Tgt Ion:152 Resp: 4970
Ion Ratio Lower Upper
152 100
115 57.0 28.5 85.5
150 151.3 0.0 342.6

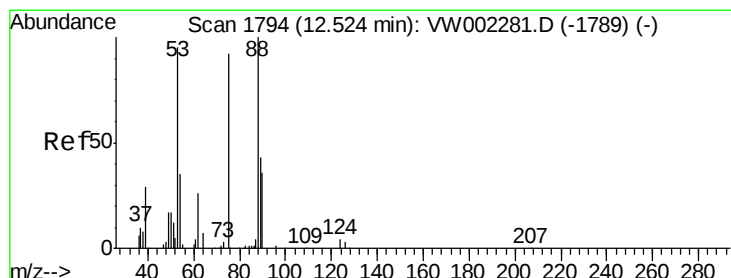
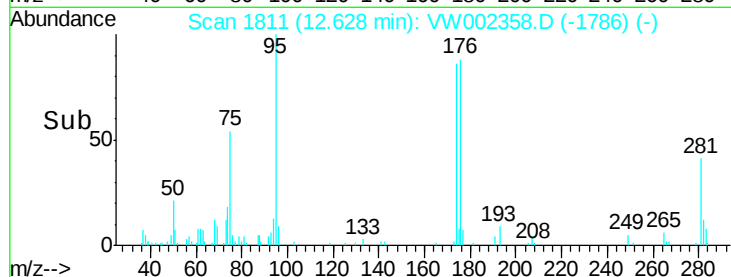
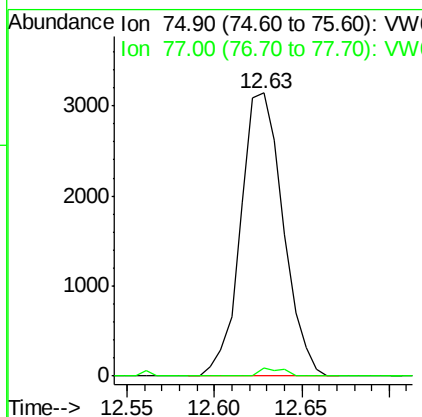
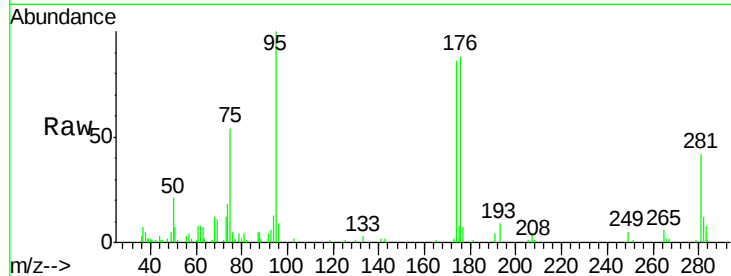




#76
 1,2,3-Trichloropropane
 Concen: 120.26 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.15 min
 Lab File: VW002358.D
 Acq: 10 May 2018 05:05

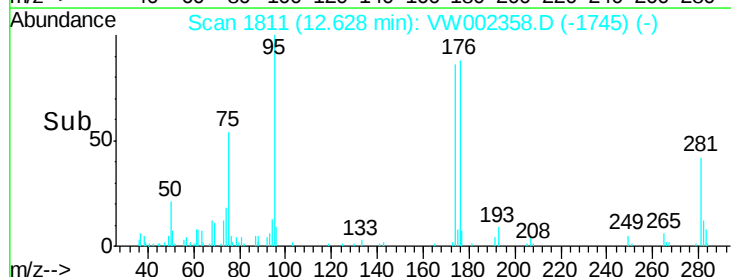
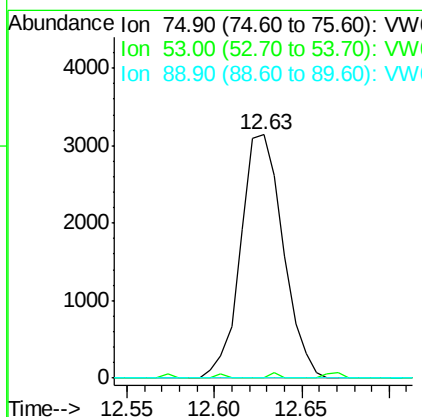
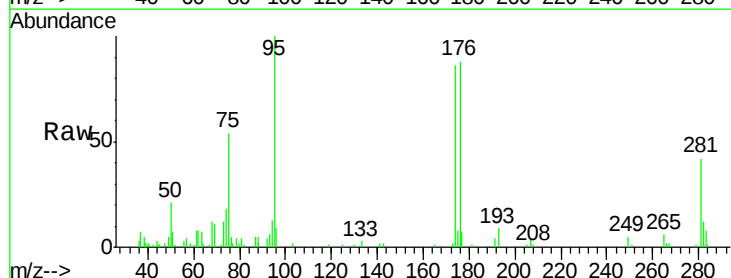
Instrument :
 MSVOA_W
 ClientSampleId :
 EPE-MX-1(130-132)

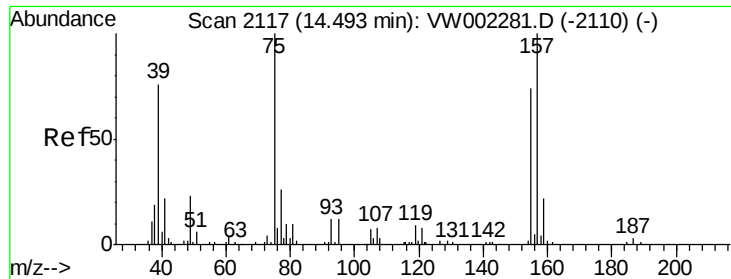
Tgt Ion: 75 Resp: 5300
 Ion Ratio Lower Upper
 75 100
 77 1.6 187.5 562.6#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 316.77 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. 0.10 min
 Lab File: VW002358.D
 Acq: 10 May 2018 05:05

Tgt Ion: 75 Resp: 5300
 Ion Ratio Lower Upper
 75 100
 53 0.5 79.9 119.9#
 89 0.0 37.6 56.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 5.93 ug/l

RT: 14.39 min Scan# 2100

Delta R.T. -0.10 min

Lab File: VW002358.D

Acq: 10 May 2018 05:05

Instrument :

MSVOA_W

ClientSampleId :

EPE-MX-1(130-132)

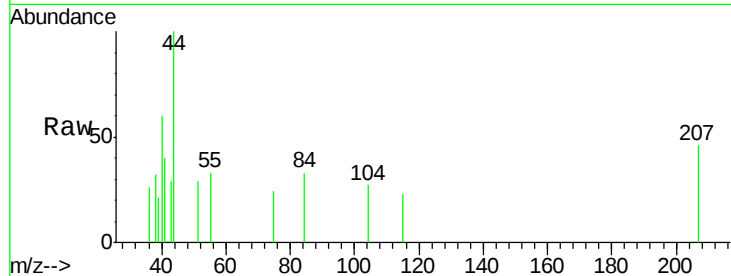
Tgt Ion: 75 Resp: 64

Ion Ratio Lower Upper

75 100

155 0.0 43.3 129.8#

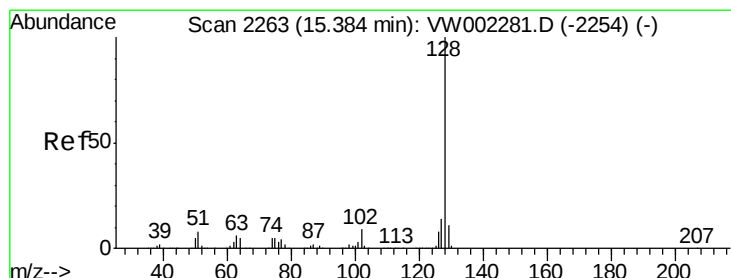
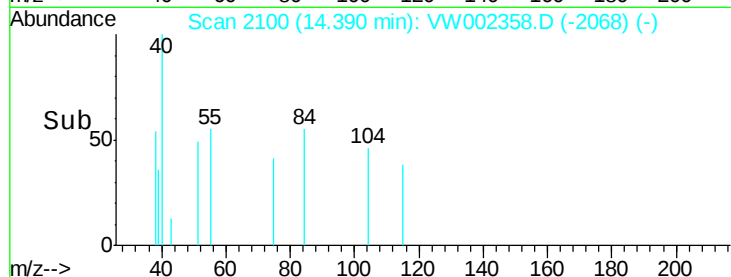
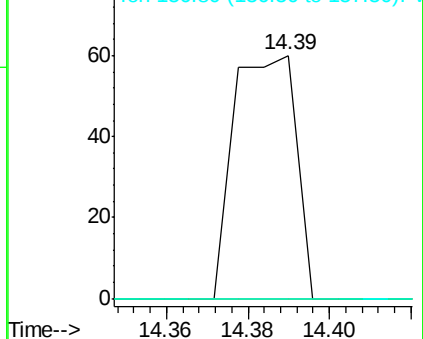
157 0.0 55.8 167.4#



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: 1.63 ug/l

RT: 15.40 min Scan# 2265

Delta R.T. 0.01 min

Lab File: VW002358.D

Acq: 10 May 2018 05:05

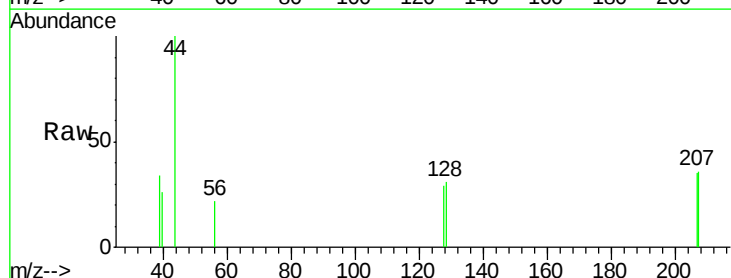
Tgt Ion: 128 Resp: 313

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

