

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
 Data File : VN051132.D
 Acq On : 11 Sep 2018 17:15
 Operator : MD\SY
 Sample : J4849-08
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-F

Quant Time: Sep 12 01:07:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	688841	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1035914	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	943184	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	429518	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	394820	51.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.00%	
35) Dibromofluoromethane	7.59	113	388621	49.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.86%	
50) Toluene-d8	10.09	98	1440243	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
62) 4-Bromofluorobenzene	12.40	95	492657	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	10508	0.69	ug/l	96
5) Bromomethane	2.57	94	3950	Below	Cal	91
10) Methyl Iodide	3.96	142	2190	5.90	ug/l #	77
11) Tert butyl alcohol	4.79	59	5169	8.83	ug/l #	79
13) Acrolein	3.61	56	972	25.51	ug/l #	66
15) Acrylonitrile	5.01	53	2231	0.86	ug/l #	33
16) Acetone	3.83	43	6015	Below	Cal	94
17) Carbon Disulfide	4.05	76	18335	0.96	ug/l #	91
18) Methyl Acetate	4.33	43	37368	6.09	ug/l	95
25) 2-Butanone	6.83	43	992	0.33	ug/l	93
27) cis-1,2-Dichloroethene	6.84	96	14863	1.70	ug/l	87
29) Tetrahydrofuran	7.21	42	561	0.30	ug/l #	62
31) Cyclohexane	7.67	56	12200	0.75	ug/l #	1
38) Carbon Tetrachloride	7.66	117	59287	5.30	ug/l #	16
44) Trichloroethene	8.84	130	4852	0.52	ug/l	98
49) 1,4-Dioxane	9.21	88	182	2.05	ug/l #	41
51) 4-Methyl-2-Pentanone	9.99	43	3285	0.51	ug/l	93
55) 1,1,2-Trichloroethane	10.53	97	22727	2.99	ug/l #	19
56) Ethyl methacrylate	10.43	69	14652	3.82	ug/l #	39
59) 2-Hexanone	10.75	43	3971	0.91	ug/l	83
64) Tetrachloroethene	10.63	164	2876	0.33	ug/l	95
67) Ethyl Benzene	11.51	91	248315	6.45	ug/l	98
68) m/p-Xylenes	11.63	106	6284	0.42	ug/l	89
69) o-Xylene	11.95	106	14212	0.99	ug/l	78
70) Styrene	11.97	104	4930	0.22	ug/l #	27
73) Isopropylbenzene	12.25	105	3473425	96.43	ug/l	100
74) N-amyl acetate	12.04	43	11169	1.23	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.47	83	9698	Below	Cal #	26
76) 1,2,3-Trichloropropane	12.59	75	40216	4.69	ug/l #	100
77) Bromobenzene	12.53	156	2380	0.25	ug/l #	19
78) n-propylbenzene	12.59	91	7076024	178.72	ug/l	99
79) 2-Chlorotoluene	12.59	91	7076024	285.94	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.59	105	261589	8.98	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.25	75	35045	15.50	ug/l #	49

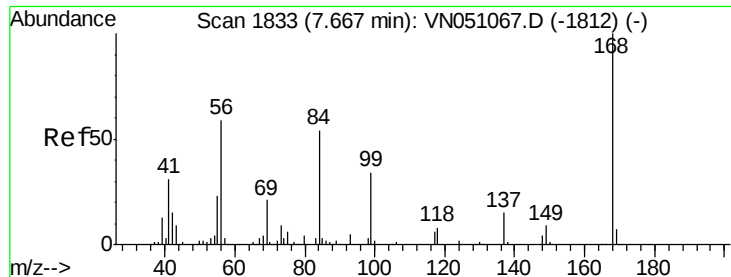
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091118\
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.59	91	7076024	288.06	ug/l #	40
83) tert-Butylbenzene	12.99	119	401179	15.60	ug/l	96
84) 1,2,4-Trimethylbenzene	13.17	105	2048536	71.54	ug/l #	30
85) sec-Butylbenzene	13.17	105	2048536	62.13	ug/l	79
86) p-Isopropyltoluene	13.23	119	580631	20.77	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	7623	0.46	ug/l #	64
88) 1,4-Dichlorobenzene	13.36	146	11552	0.78	ug/l #	61
89) n-Butylbenzene	13.61	91	675221	31.03	ug/l #	60
90) Hexachloroethane	13.89	117	343132	67.63	ug/l #	2
91) 1,2-Dichlorobenzene	13.65	146	7368	0.46	ug/l #	81
92) 1,2-Dibromo-3-Chloropropan	14.25	75	15578	13.15	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	16331	5.93	ug/l #	1
94) Hexachlorobutadiene	15.01	225	7278	Below Cal		99
95) Naphthalene	15.13	128	55795	8.43	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	17671	5.20	ug/l #	69

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

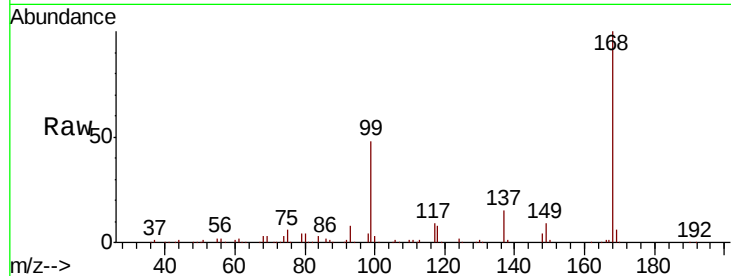
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-F

Tot Ion:168 Resp: 688841

Ion Ratio Lower Upper

168 100

99 48.4 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.67

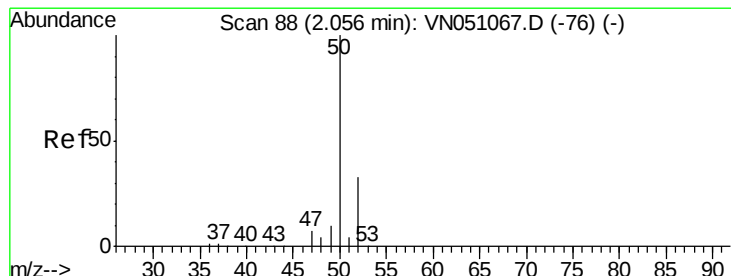
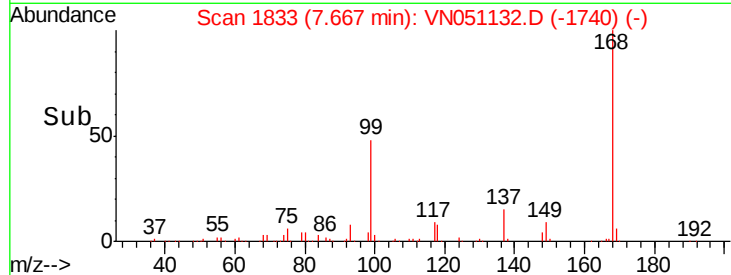
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.69 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN051132.D

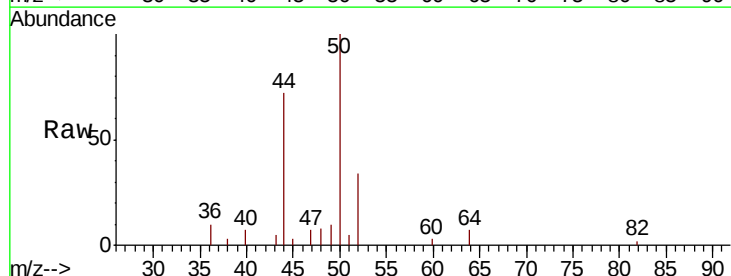
Acq: 11 Sep 2018 17:15

Tgt Ion: 50 Resp: 10508

Ion Ratio Lower Upper

50 100

52 34.5 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): V

Ion 51.90 (51.60 to 52.60): V

2.06

8000

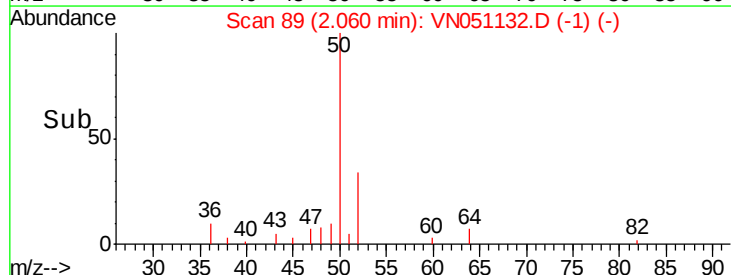
6000

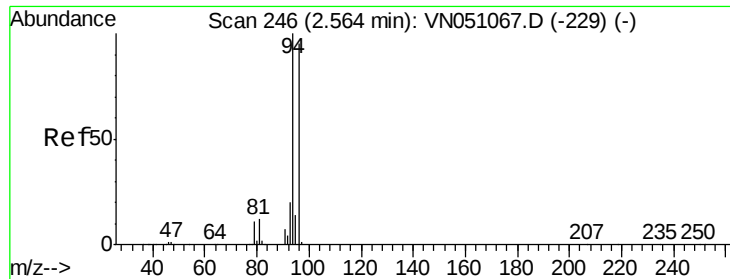
4000

2000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

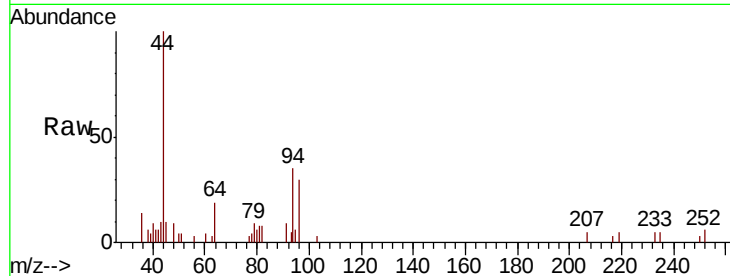
EP1-MW-F

Tot Ion: 94 Resp: 3950

Ion Ratio Lower Upper

94 100

96 85.9 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN051132.D (-153) (-)

Ion 95.90 (95.60 to 96.60): VN051132.D (-153) (-)

2.57

2000

1500

1000

500

0

2.55

2.56

2.57

2.58

2.59

2.60

2.61

2.62

2.63

2.64

2.65

2.66

2.67

2.68

2.69

2.70

2.71

2.72

2.73

2.74

2.75

2.76

2.77

2.78

2.79

2.80

2.81

2.82

2.83

2.84

2.85

2.86

2.87

2.88

2.89

2.90

2.91

2.92

2.93

2.94

2.95

2.96

2.97

2.98

2.99

3.00

3.01

3.02

3.03

3.04

3.05

3.06

3.07

3.08

3.09

3.10

3.11

3.12

3.13

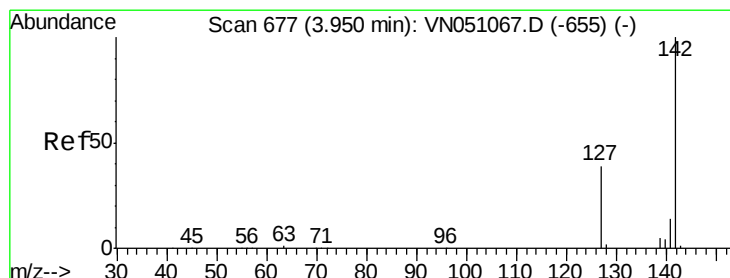
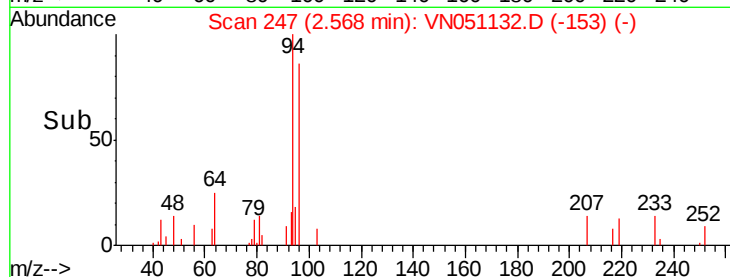
3.14

3.15

3.16

3.17

3.18



#10

Methyl Iodide

Concen: 5.90 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.01 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

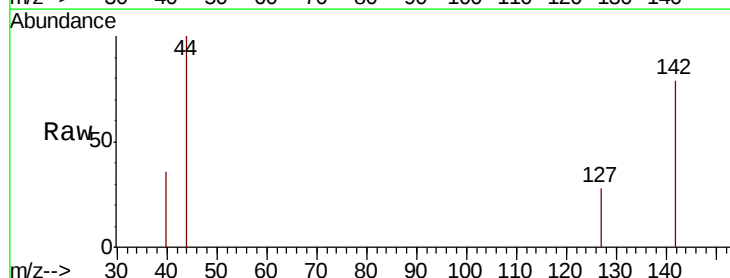
Tgt Ion: 142 Resp: 2190

Ion Ratio Lower Upper

142 100

127 26.3 31.0 46.4#

141 1.4 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): VN051132.D (-584) (-)

Ion 126.80 (126.50 to 127.50): VN051132.D (-584) (-)

Ion 140.80 (140.50 to 141.50): VN051132.D (-584) (-)

3.96

1000

800

600

400

200

0

3.90

3.95

3.96

3.97

3.98

3.99

4.00

4.01

4.02

4.03

4.04

4.05

4.06

4.07

4.08

4.09

4.10

4.11

4.12

4.13

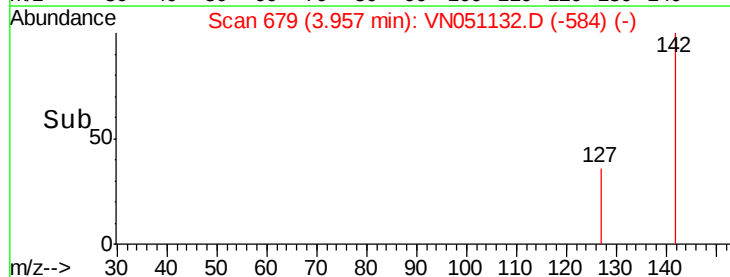
4.14

4.15

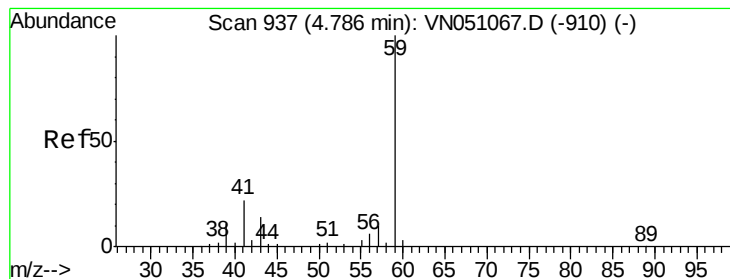
4.16

4.17

4.18



Time-->

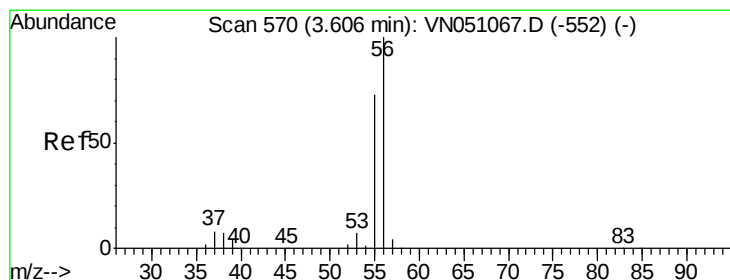
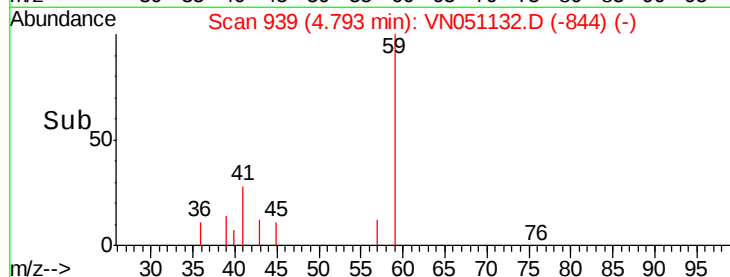
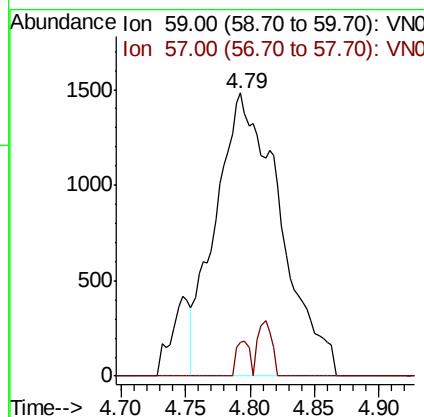
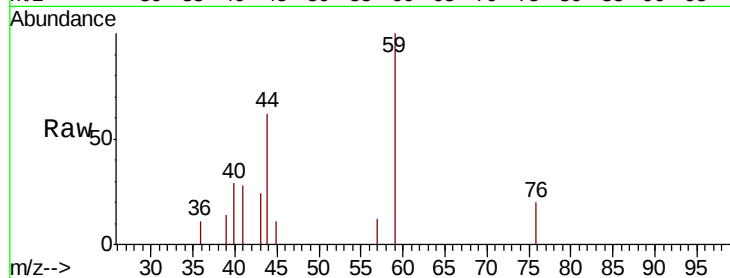


#11

Tert butyl alcohol
 Concen: 8.83 ug/l
 RT: 4.79 min Scan# 939
 Delta R.T. 0.01 min
 Lab File: VN051132.D
 Acq: 11 Sep 2018 17:15

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-F

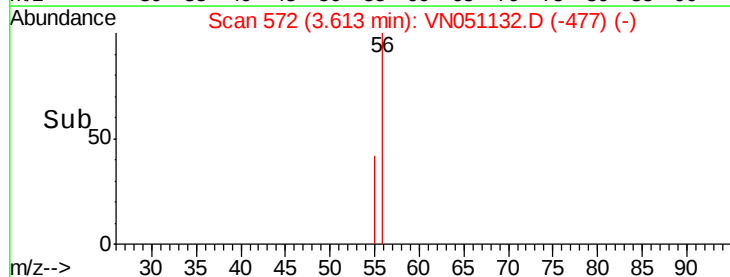
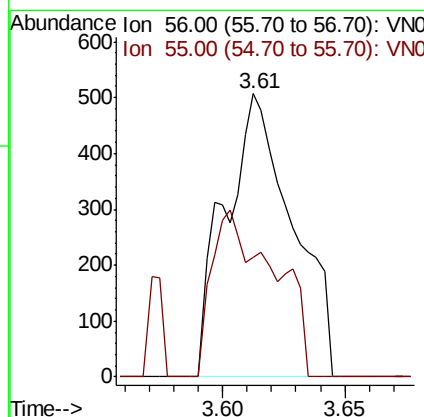
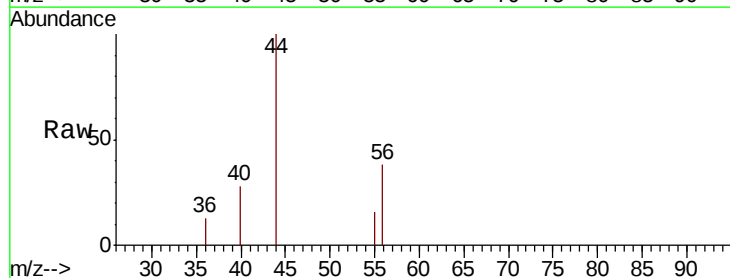
Tot Ion: 59 Resp: 5169
 Ion Ratio Lower Upper
 59 100
 57 2.5 8.1 12.1#

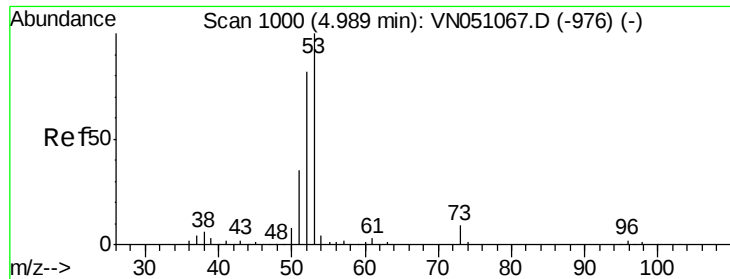


#13

Acrolein
 Concen: 25.51 ug/l
 RT: 3.61 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VN051132.D
 Acq: 11 Sep 2018 17:15

Tgt Ion: 56 Resp: 972
 Ion Ratio Lower Upper
 56 100
 55 44.1 58.0 87.0#

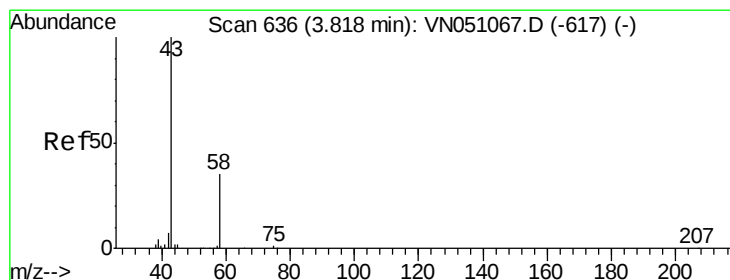
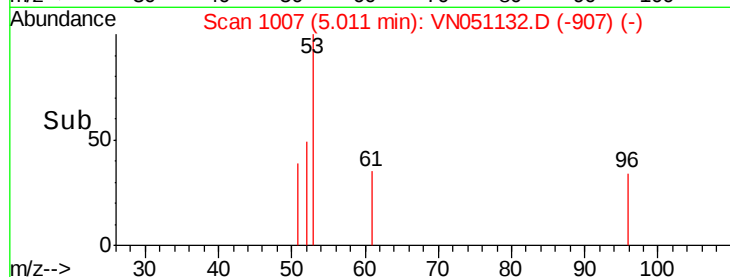
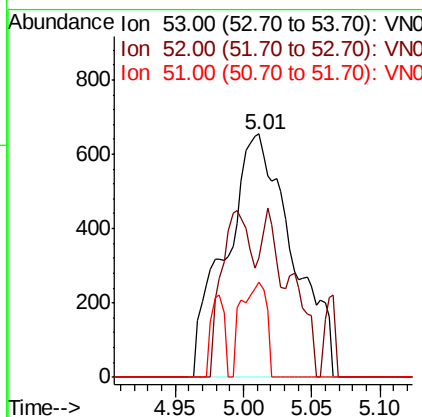
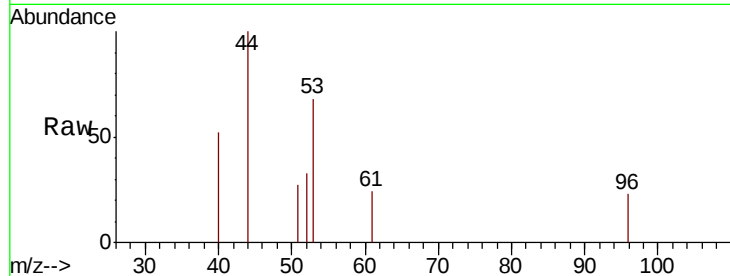




#15
 Acrylonitrile
 Concen: 0.86 ug/l
 RT: 5.01 min Scan# 1007
 Delta R.T. 0.02 min
 Lab File: VN051132.D
 Acq: 11 Sep 2018 17:15

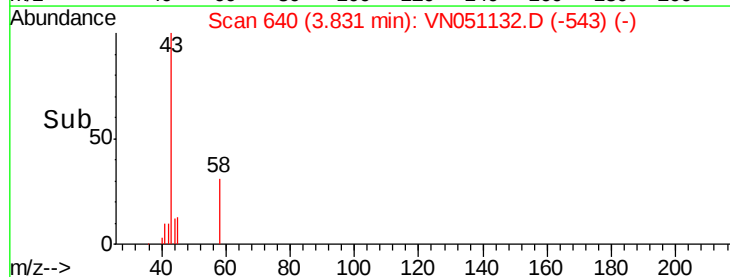
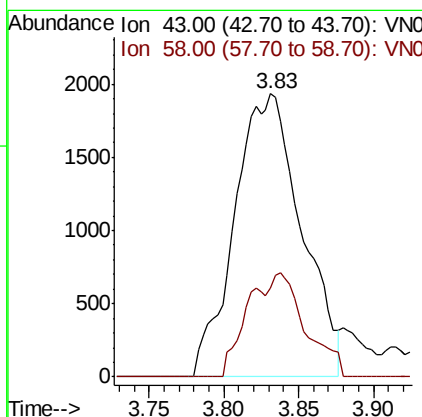
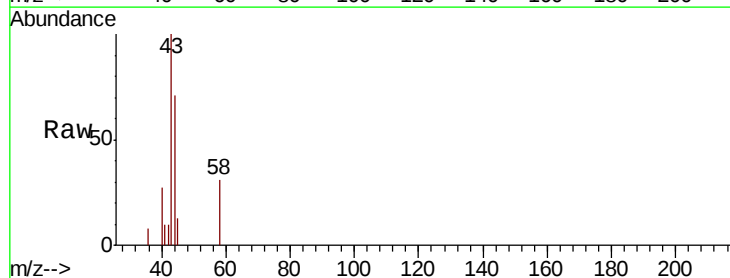
Instrument :
 MSVOA_N
 ClientSampled :
 EP1-MW-F

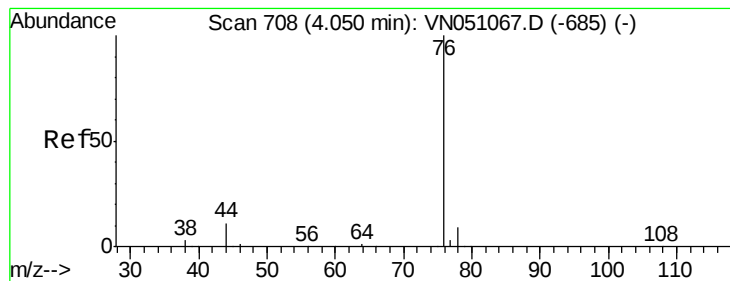
Tot Ion: 53 Resp: 2231
 Ion Ratio Lower Upper
 53 100
 52 9.0 65.3 97.9#
 51 14.9 28.2 42.2#



#16
 Acetone
 Concen: Below Cal
 RT: 3.83 min Scan# 640
 Delta R.T. 0.01 min
 Lab File: VN051132.D
 Acq: 11 Sep 2018 17:15

Tgt Ion: 43 Resp: 6015
 Ion Ratio Lower Upper
 43 100
 58 31.3 27.8 41.6





#17

Carbon Disulfide

Concen: 0.96 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

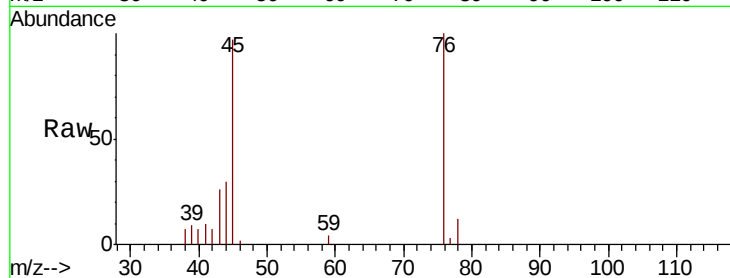
EP1-MW-F

Tot Ion: 76 Resp: 18335

Ion Ratio Lower Upper

76 100

78 11.9 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

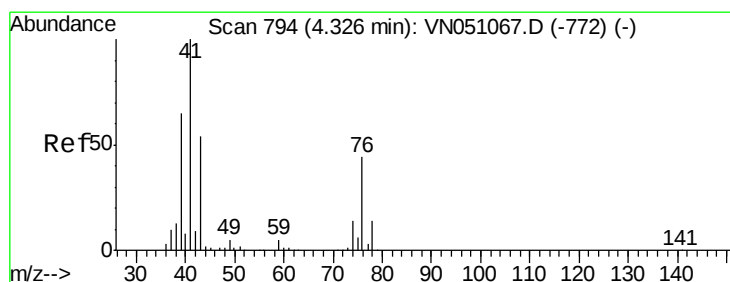
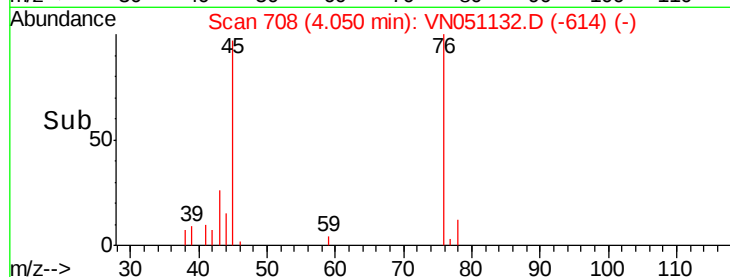
6000

4000

2000

0

Time--> 3.95 4.00 4.05 4.10 4.15



#18

Methyl Acetate

Concen: 6.09 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN051132.D

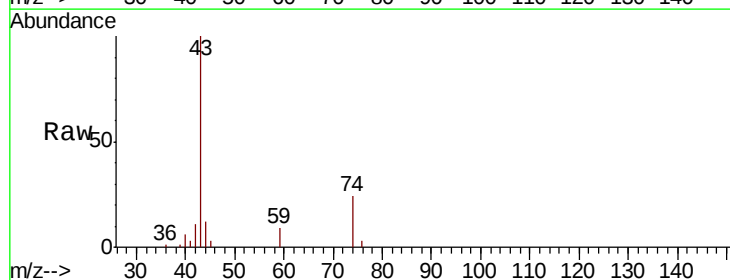
Acq: 11 Sep 2018 17:15

Tgt Ion: 43 Resp: 37368

Ion Ratio Lower Upper

43 100

74 23.2 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

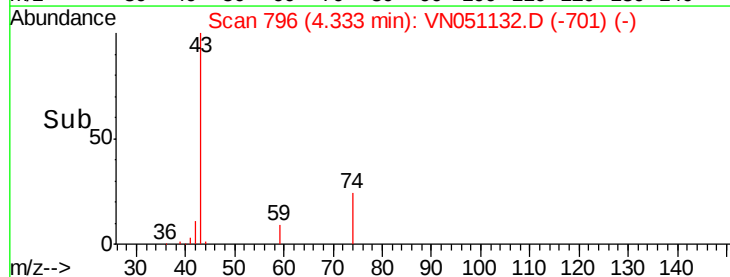
4.33

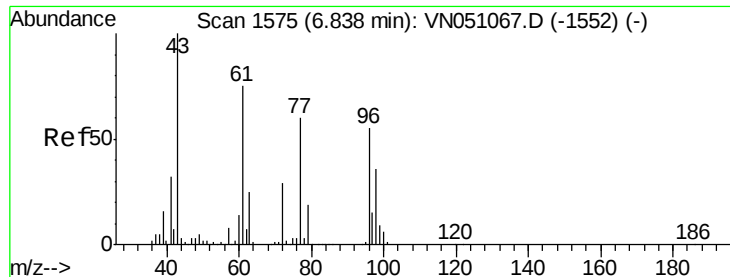
10000

5000

0

Time--> 4.20 4.30 4.40





#25

2-Butanone

Concen: 0.33 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. -0.01 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

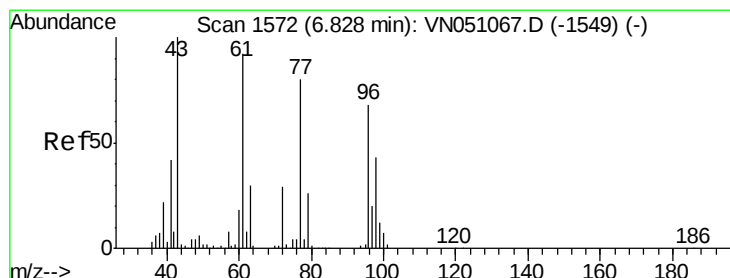
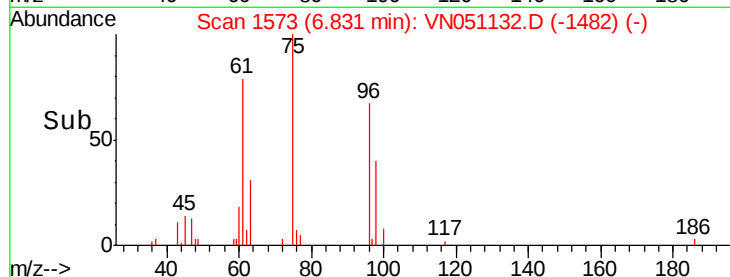
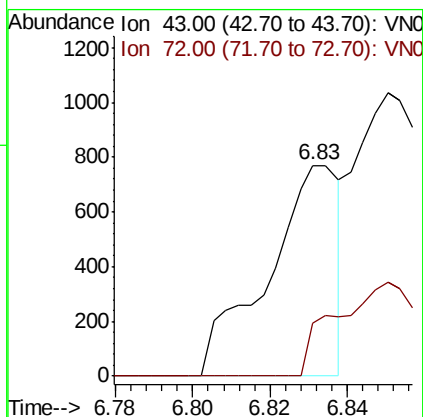
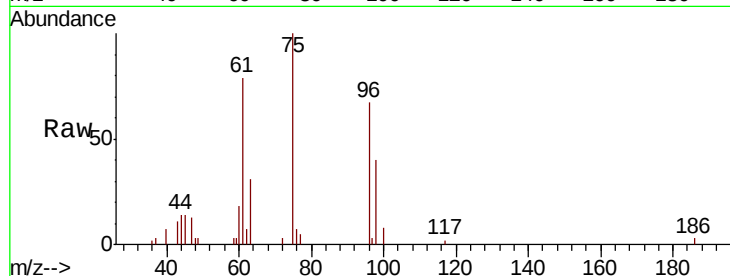
EP1-MW-F

Tot Ion: 43 Resp: 992

Ion Ratio Lower Upper

43 100

72 25.3 23.0 34.6



#27

cis-1,2-Dichloroethene

Concen: 1.70 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

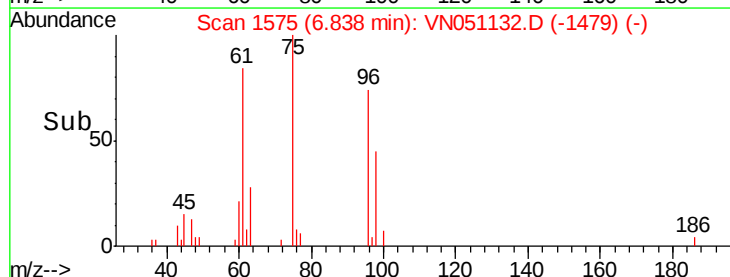
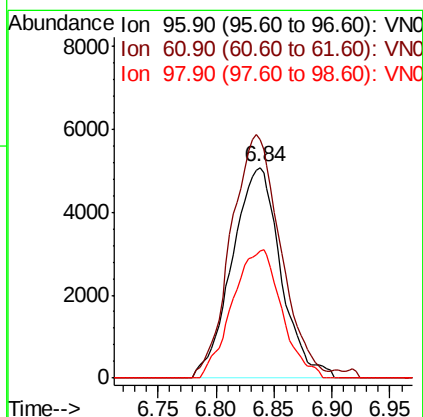
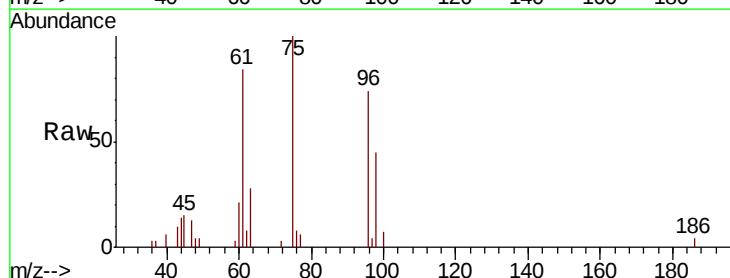
Tgt Ion: 96 Resp: 14863

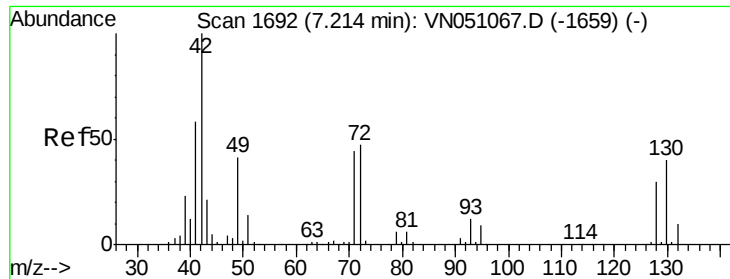
Ion Ratio Lower Upper

96 100

61 117.9 0.0 278.2

98 61.6 0.0 129.4





#29

Tetrahydrofuran

Concen: 0.30 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-F

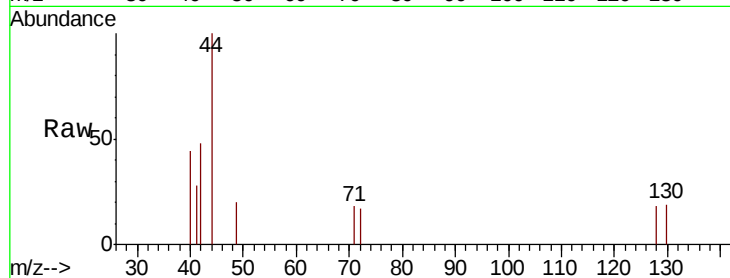
Tot Ion: 42 Resp: 561

Ion Ratio Lower Upper

42 100

72 28.7 37.4 56.0#

71 11.9 34.7 52.1#

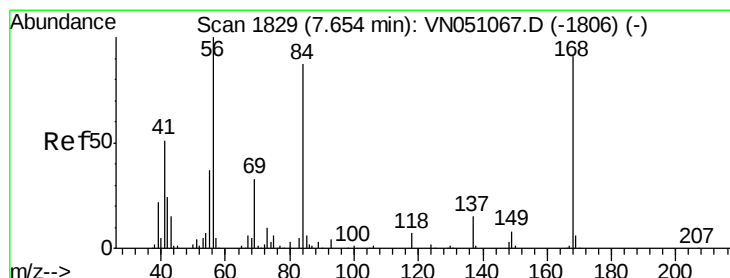
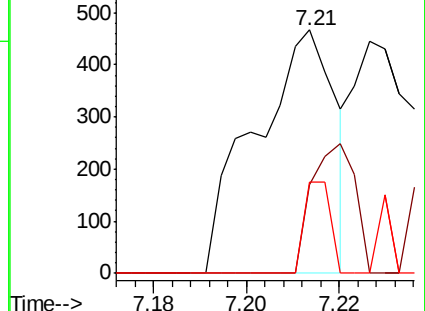
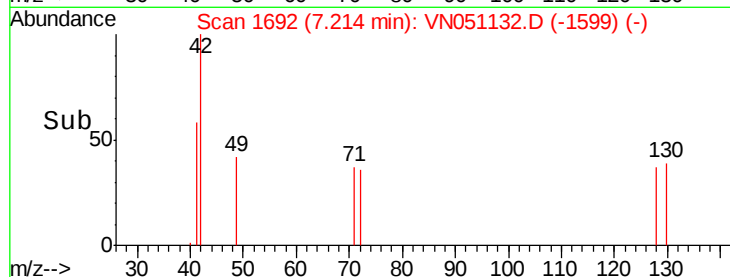


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

Time-->



#31

Cyclohexane

Concen: 0.75 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

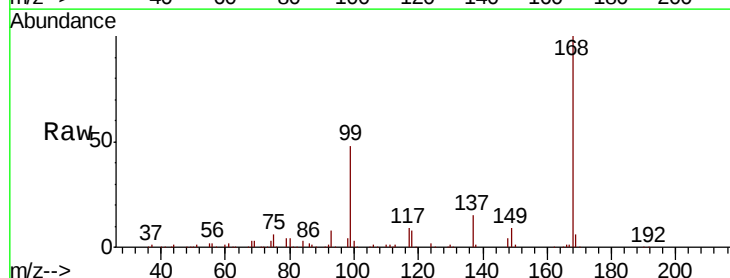
Tgt Ion: 56 Resp: 12200

Ion Ratio Lower Upper

56 100

69 184.0 26.3 39.5#

84 173.0 69.4 104.0#

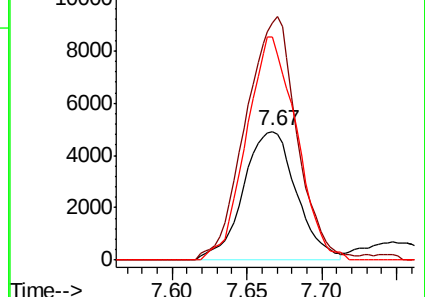
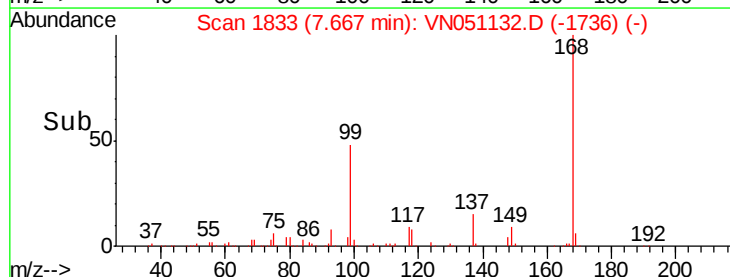


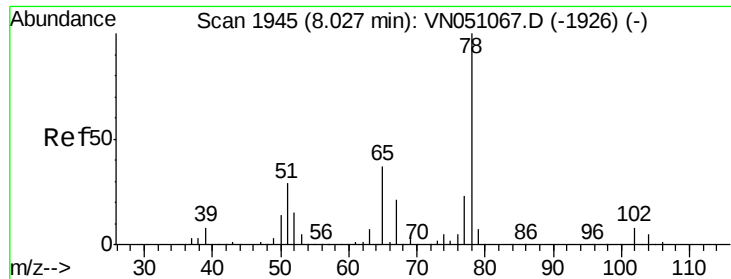
Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

Time-->

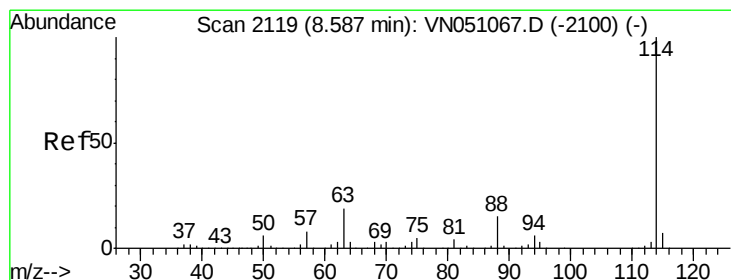
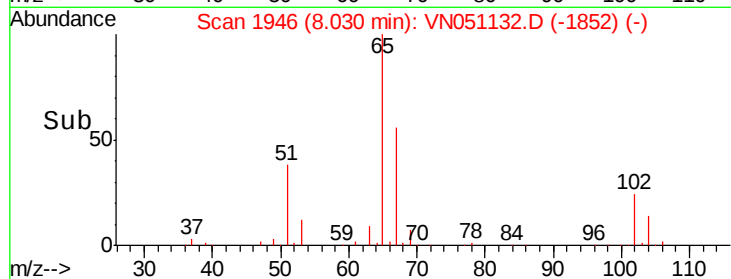
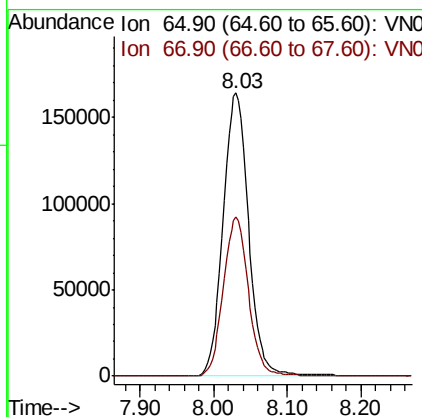
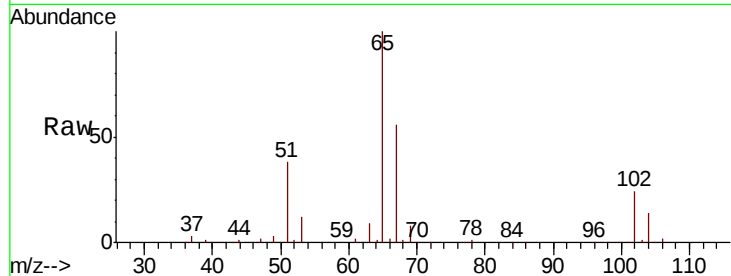




#33
 1,2-Dichloroethane-d4
 Concen: 51.50 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051132.D
 Acq: 11 Sep 2018 17:15

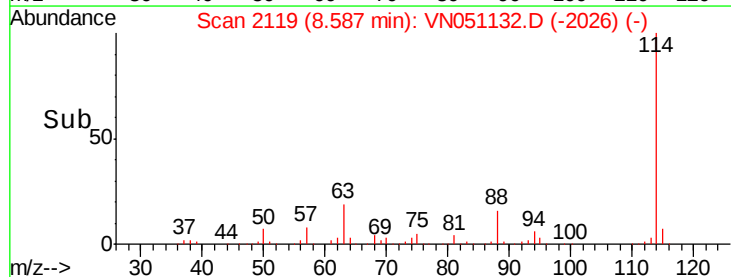
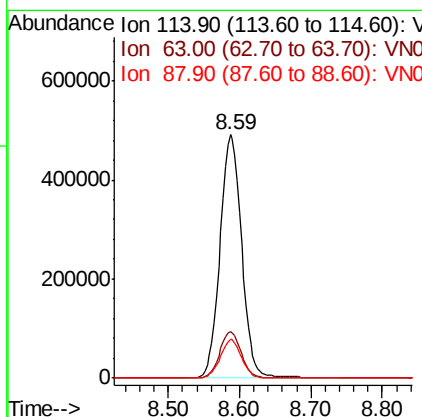
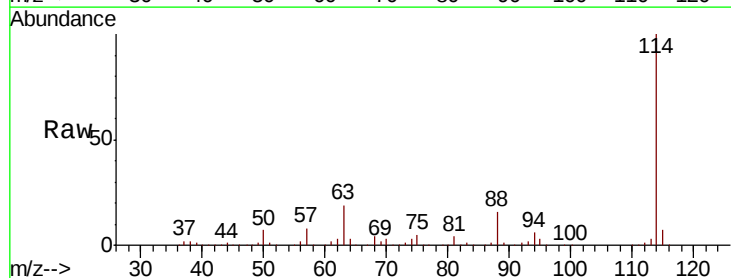
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-F

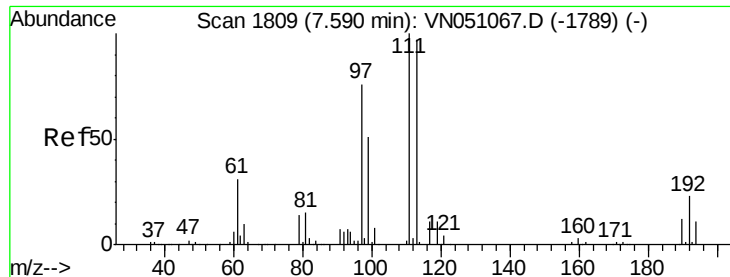
Tot Ion: 65 Resp: 394820
 Ion Ratio Lower Upper
 65 100
 67 55.6 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051132.D
 Acq: 11 Sep 2018 17:15

Tgt Ion: 114 Resp: 1035914
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 37.8
 88 15.8 0.0 30.8

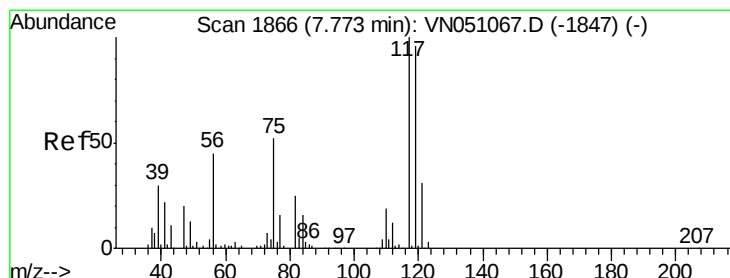
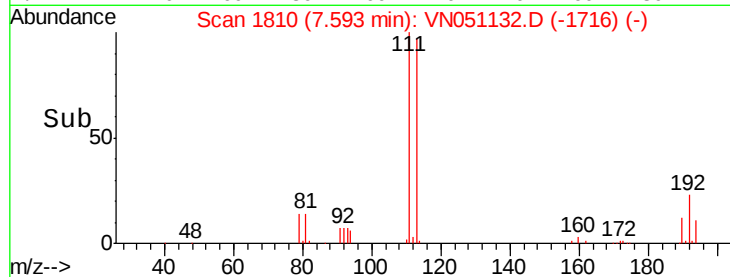
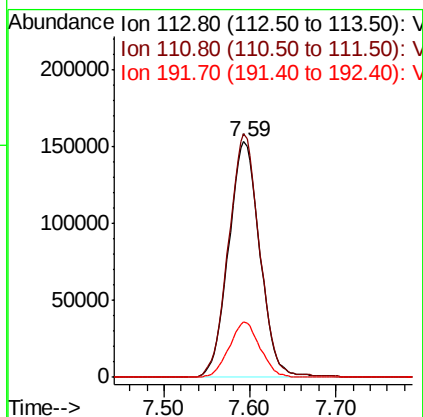
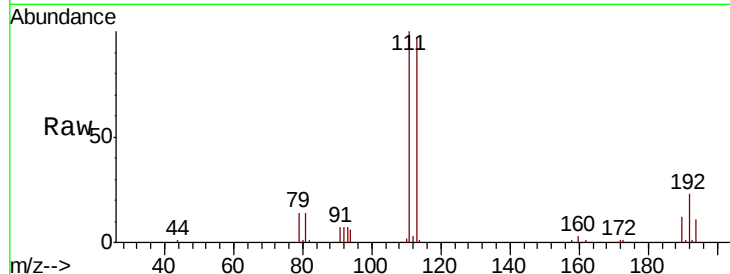




#35
 Dibromofluoromethane
 Concen: 49.93 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051132.D
 Acq: 11 Sep 2018 17:15

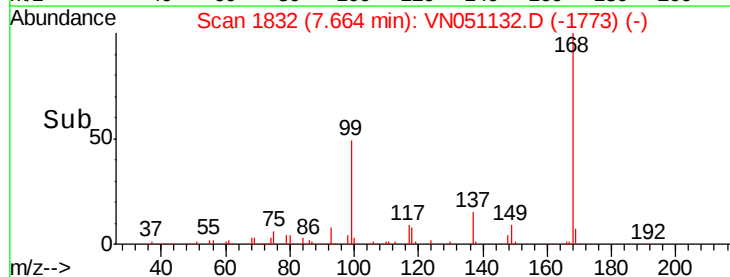
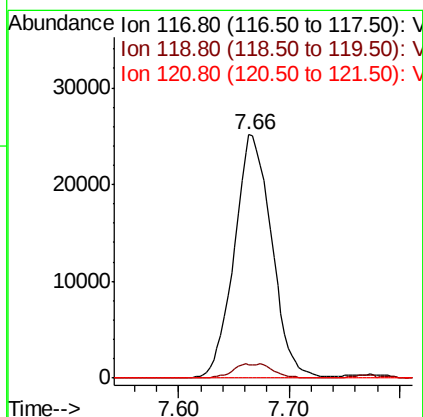
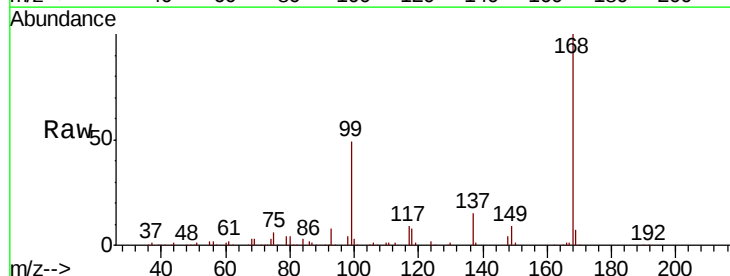
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-F

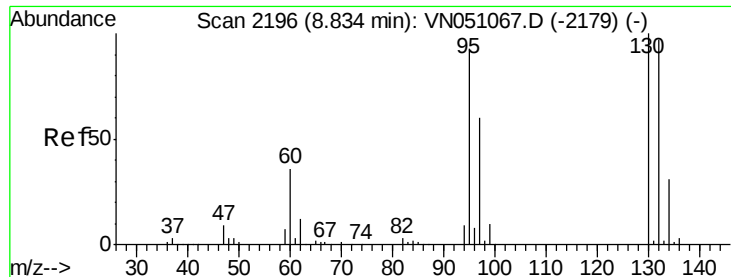
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.5	83.0	124.6
192	23.2	18.7	28.1



#38
 Carbon Tetrachloride
 Concen: 5.30 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN051132.D
 Acq: 11 Sep 2018 17:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.8	115.2#
121	0.0	24.6	36.8#





#44

Trichloroethene

Concen: 0.52 ug/l

RT: 8.84 min Scan# 2198

Delta R.T. 0.01 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampled :

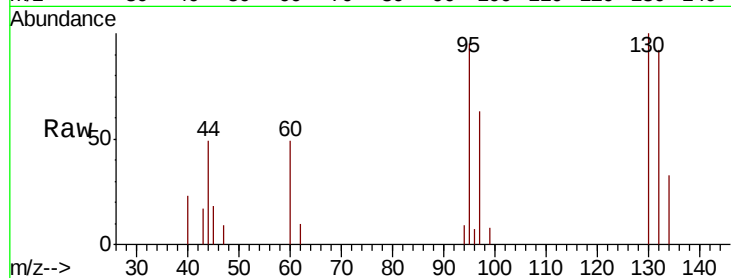
EP1-MW-F

Tot Ion:130 Resp: 4852

Ion Ratio Lower Upper

130 100

95 94.8 0.0 186.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN

8.84

2500

2000

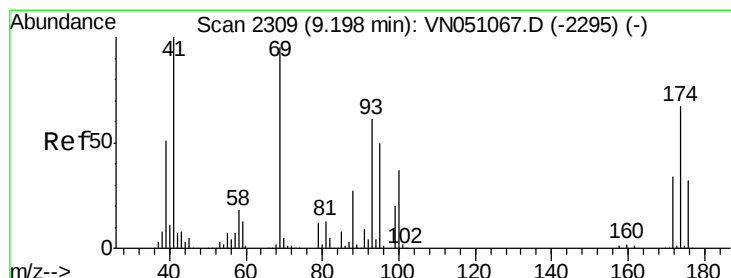
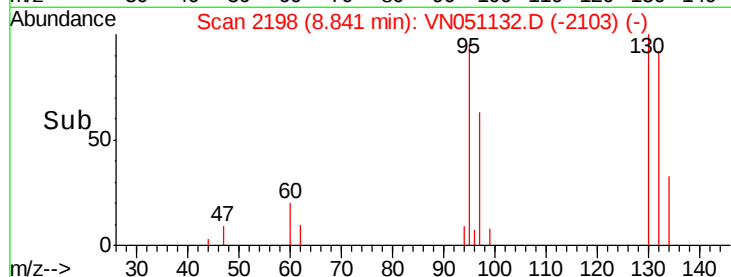
1500

1000

500

0

Time-->



#49

1,4-Dioxane

Concen: 2.05 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

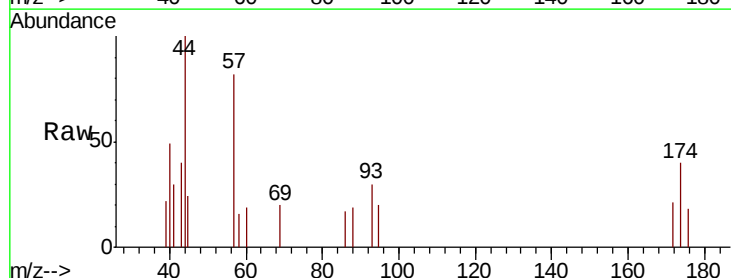
Tgt Ion: 88 Resp: 182

Ion Ratio Lower Upper

88 100

43 100.0 23.7 35.5#

58 90.7 54.6 82.0#



Abundance Ion 88.00 (87.70 to 88.70): VN

Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

600

500

400

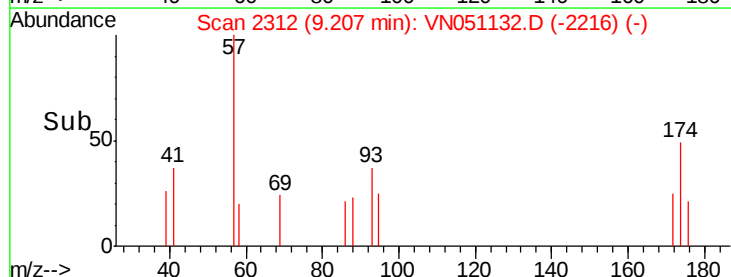
300

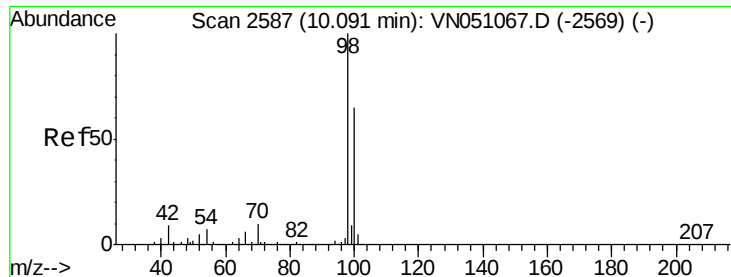
200

100

0

Time-->





#50

Toluene-d8

Concen: 48.76 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

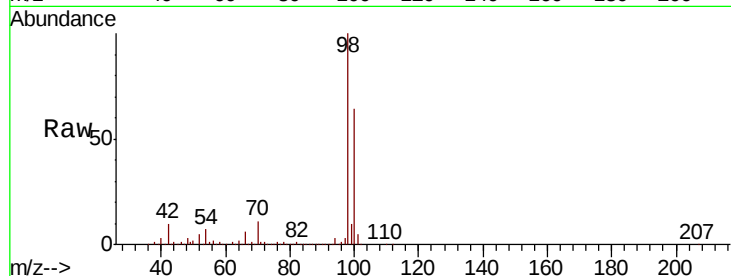
EP1-MW-F

Tot Ion: 98 Resp: 1440243

Ion Ratio Lower Upper

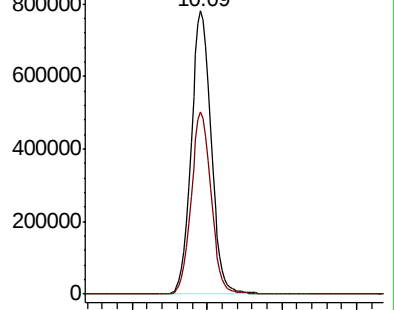
98 100

100 64.2 52.0 78.0

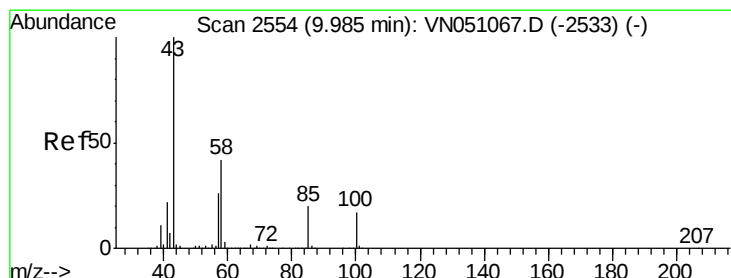
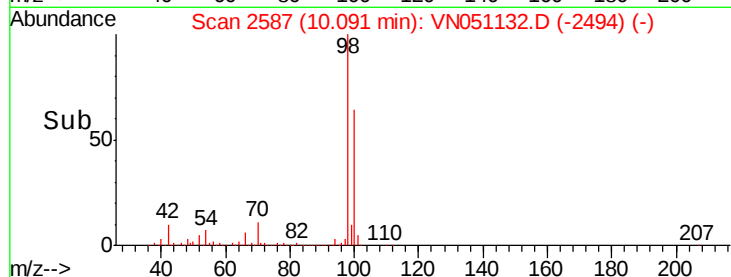


Abundance Ion 98.00 (97.70 to 98.70): VN051067.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN051067.D (-2569) (-)



Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.51 ug/l

RT: 9.99 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN051132.D

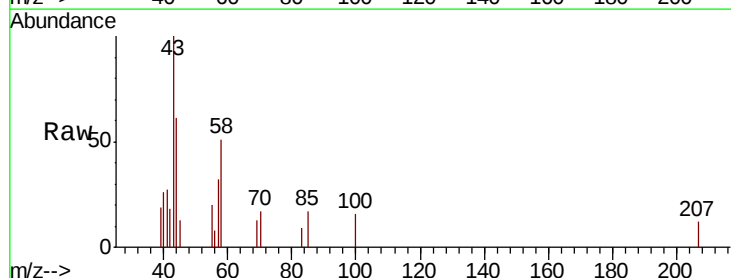
Acq: 11 Sep 2018 17:15

Tgt Ion: 43 Resp: 3285

Ion Ratio Lower Upper

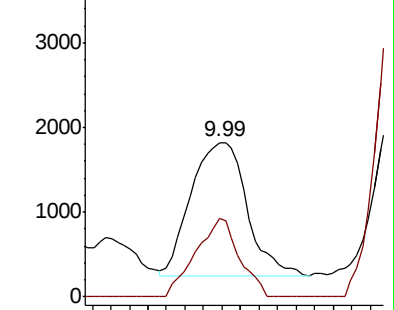
43 100

58 46.1 33.5 50.3

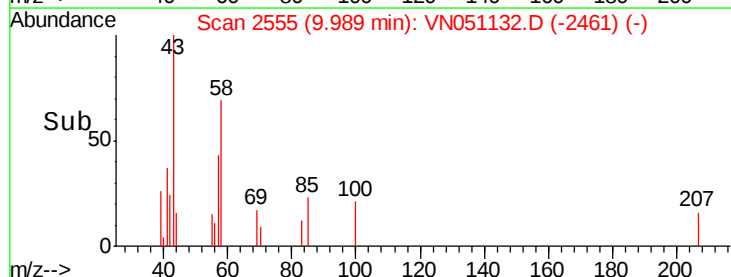


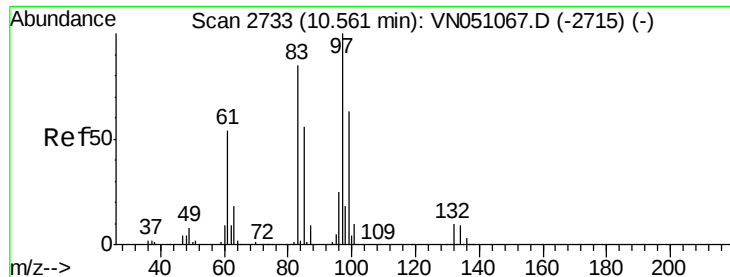
Abundance Ion 43.00 (42.70 to 43.70): VN051067.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN051067.D (-2533) (-)



Time-->





#55

1,1,2-Trichloroethane

Concen: 2.99 ug/l

RT: 10.53 min Scan# 2724

Delta R.T. -0.03 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-F

Tot Ion: 97 Resp: 22727

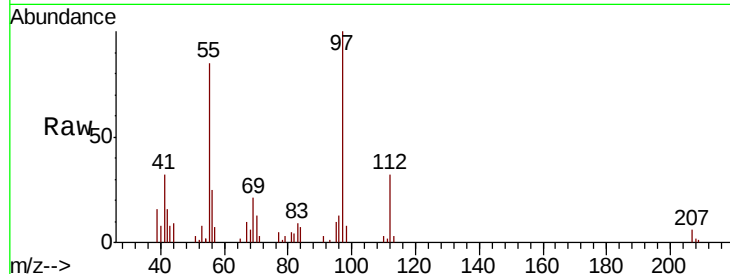
Ion Ratio Lower Upper

97 100

83 8.8 68.2 102.2#

85 0.0 44.8 67.2#

99 0.0 50.2 75.4#

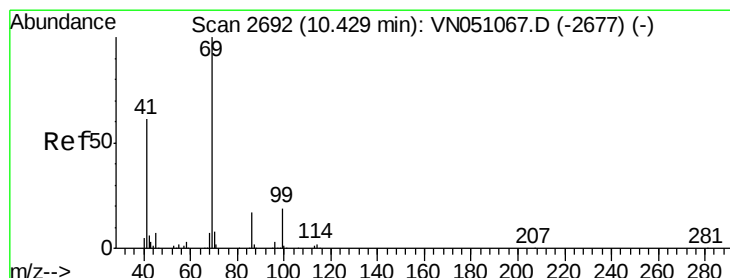
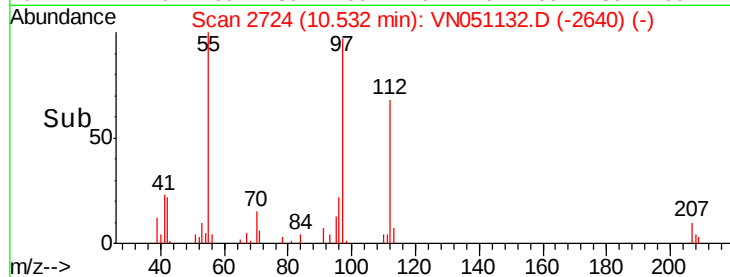
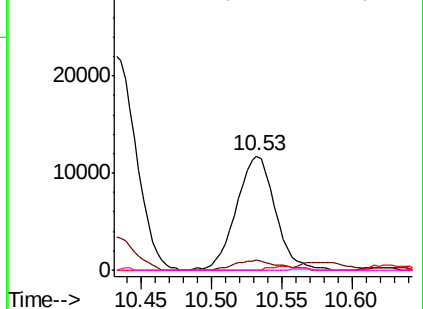


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 3.82 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

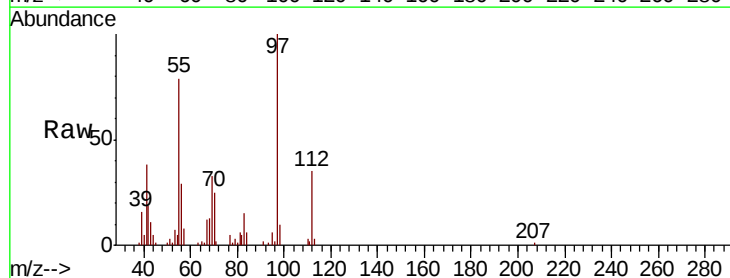
Tgt Ion: 69 Resp: 14652

Ion Ratio Lower Upper

69 100

41 112.8 47.8 71.8#

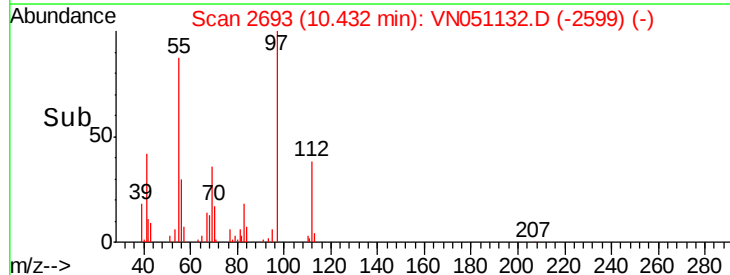
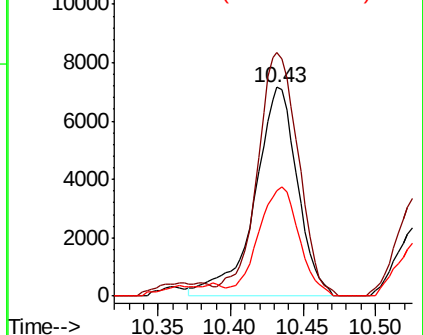
39 50.1 23.0 34.4#

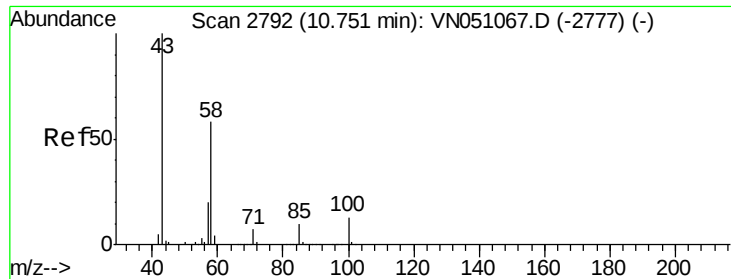


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

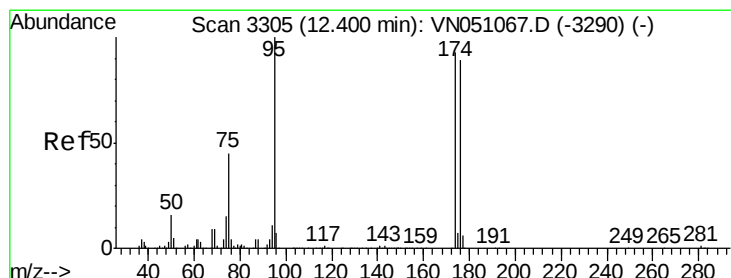
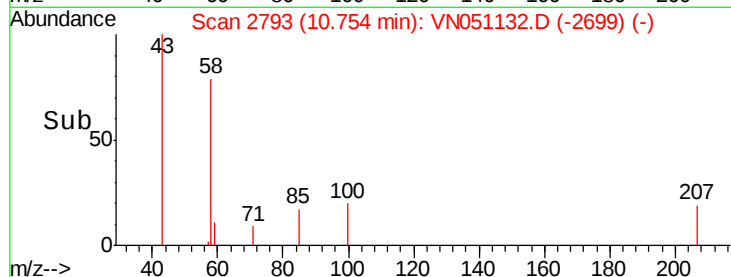
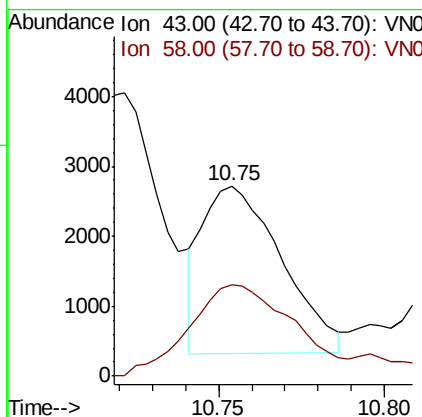
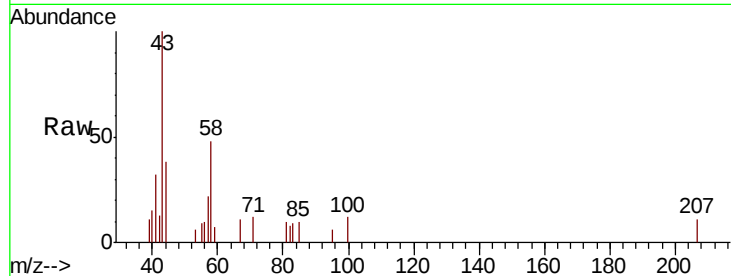




#59
2-Hexanone
Concen: 0.91 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051132.D
Acq: 11 Sep 2018 17:15

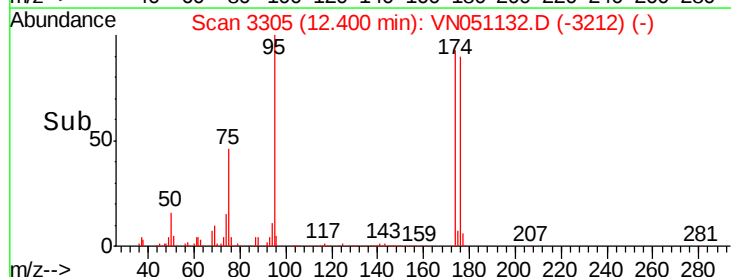
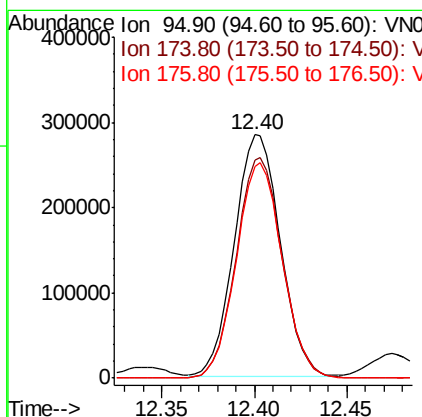
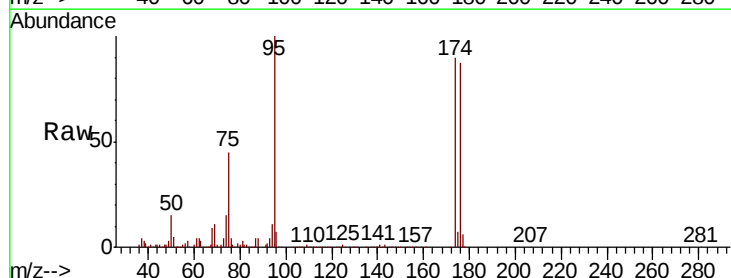
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-F

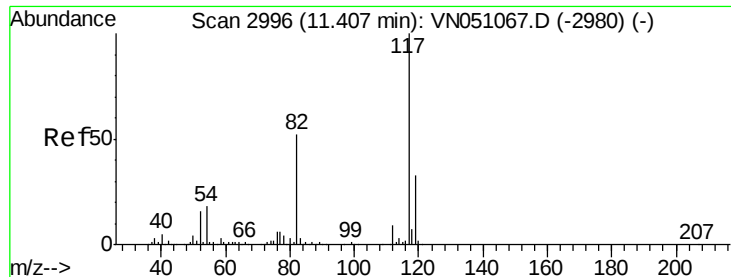
Tot Ion: 43 Resp: 3971
Ion Ratio Lower Upper
43 100
58 71.7 29.3 88.0



#62
4-Bromofluorobenzene
Concen: 50.42 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051132.D
Acq: 11 Sep 2018 17:15

Tgt Ion: 95 Resp: 492657
Ion Ratio Lower Upper
95 100
174 90.4 0.0 184.8
176 88.4 0.0 178.6

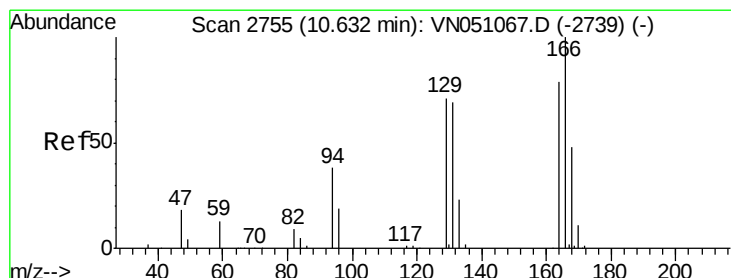
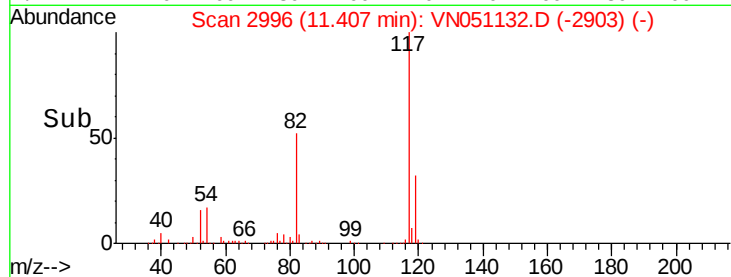
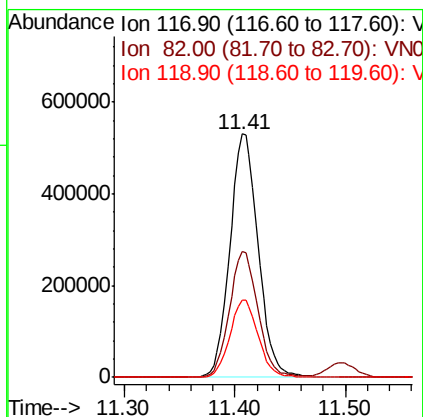
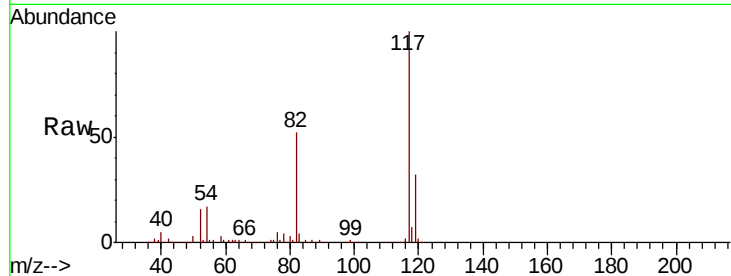




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051132.D
Acq: 11 Sep 2018 17:15

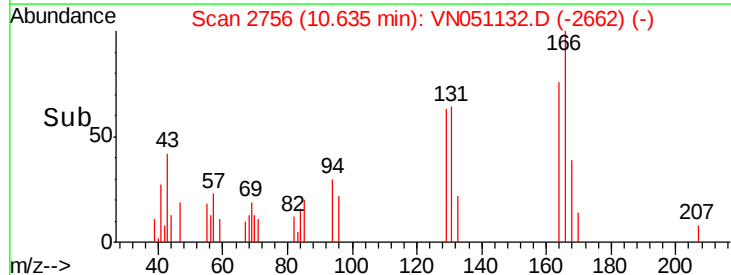
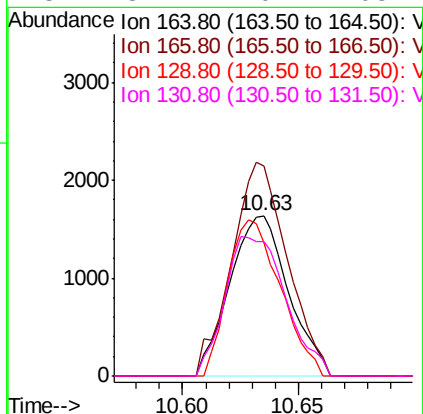
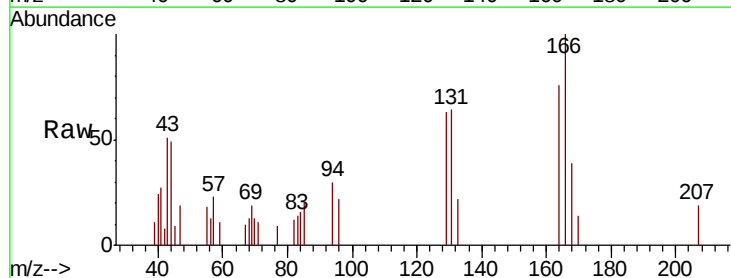
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-F

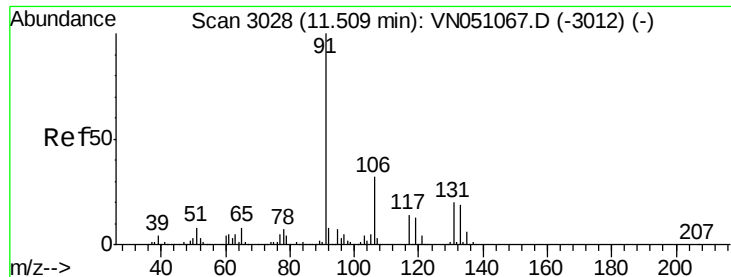
Tot Ion:117 Resp: 943184
Ion Ratio Lower Upper
117 100
82 51.4 41.8 62.6
119 31.6 26.2 39.2



#64
Tetrachloroethene
Concen: 0.33 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VN051132.D
Acq: 11 Sep 2018 17:15

Tgt Ion:164 Resp: 2876
Ion Ratio Lower Upper
164 100
166 131.1 101.3 151.9
129 82.9 72.2 108.2
131 84.4 70.2 105.2

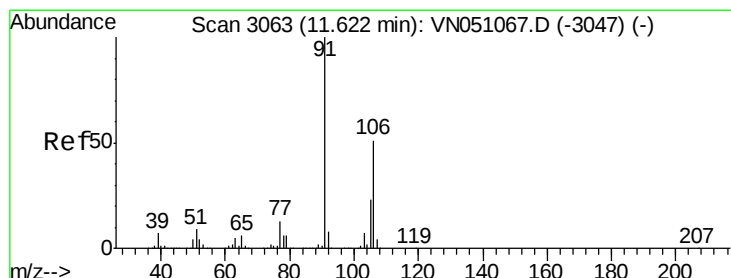
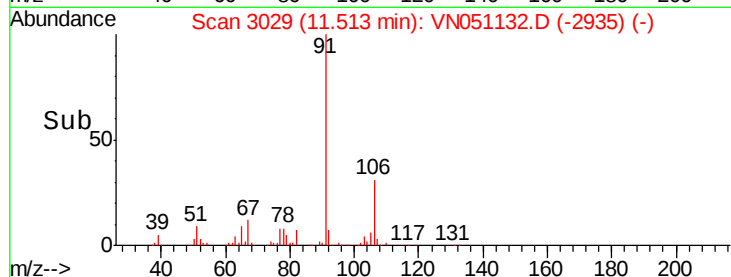
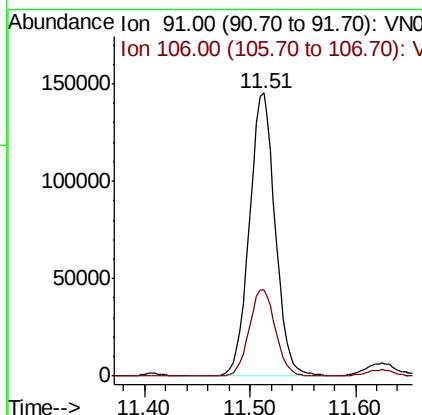
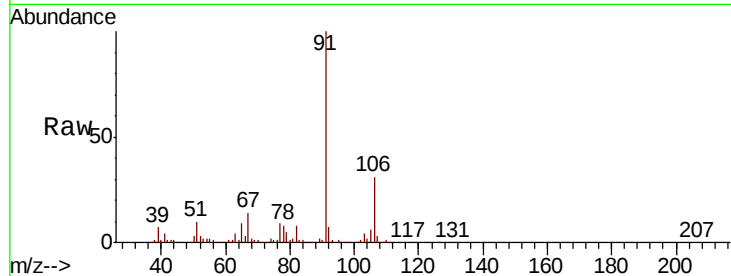




#67
Ethyl Benzene
Concen: 6.45 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN051132.D
Acq: 11 Sep 2018 17:15

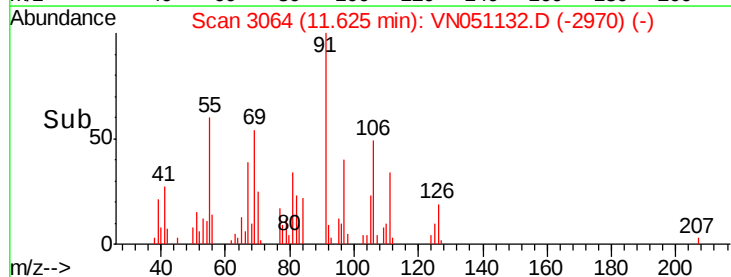
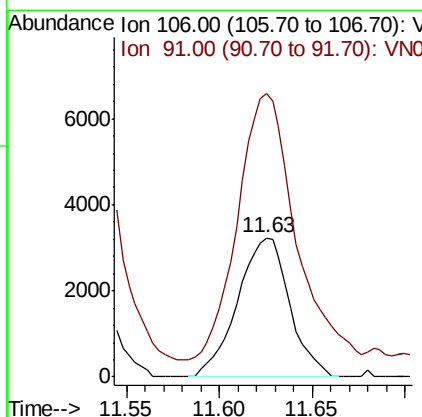
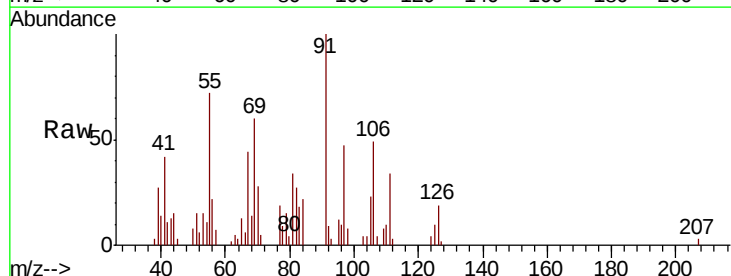
Instrument :
MSVOA_N
ClientSampled :
EP1-MW-F

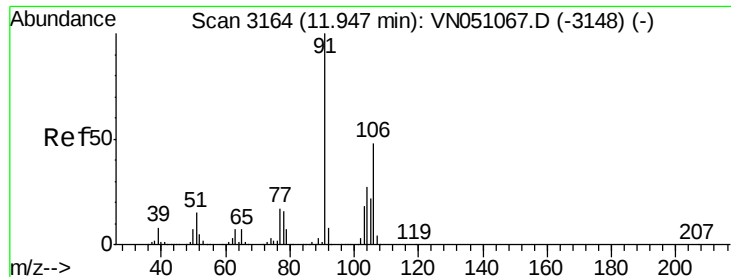
Tot Ion: 91 Resp: 248315
Ion Ratio Lower Upper
91 100
106 30.7 25.4 38.2



#68
m/p-Xylenes
Concen: 0.42 ug/l
RT: 11.63 min Scan# 3064
Delta R.T. 0.00 min
Lab File: VN051132.D
Acq: 11 Sep 2018 17:15

Tgt Ion: 106 Resp: 6284
Ion Ratio Lower Upper
106 100
91 215.7 159.8 239.6

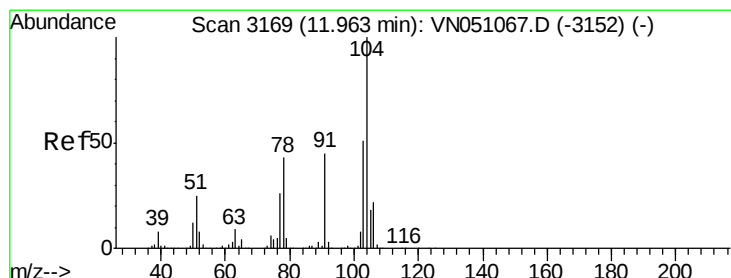
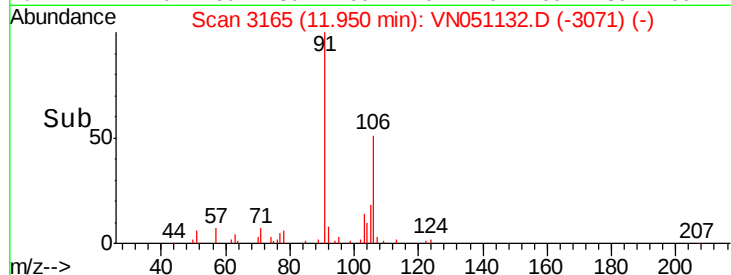
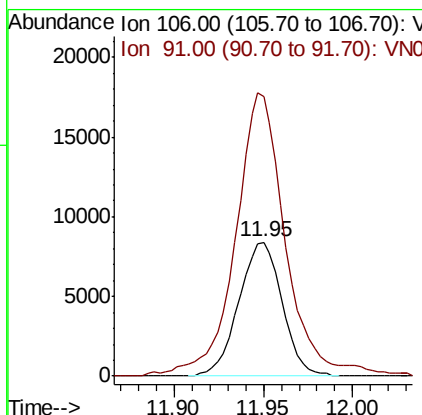
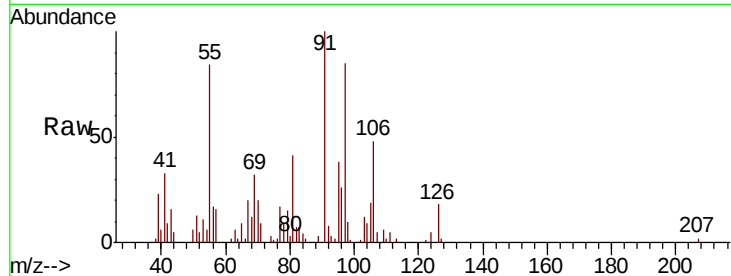




#69
o-Xylene
Concen: 0.99 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051132.D
Acq: 11 Sep 2018 17:15

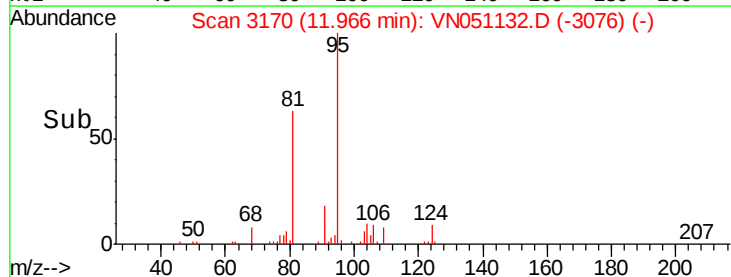
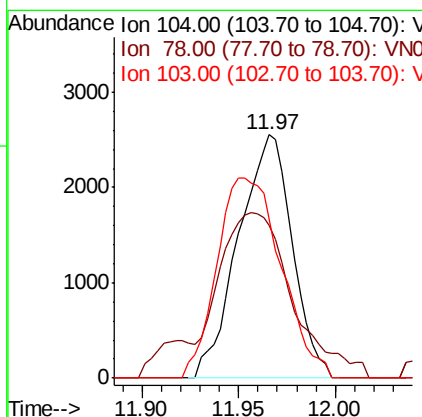
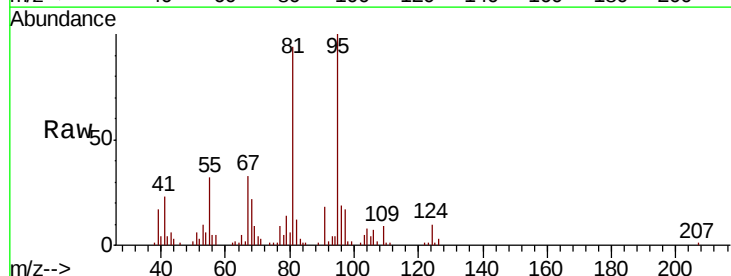
Instrument :
MSVOA_N
ClientSampled :
EP1-MW-F

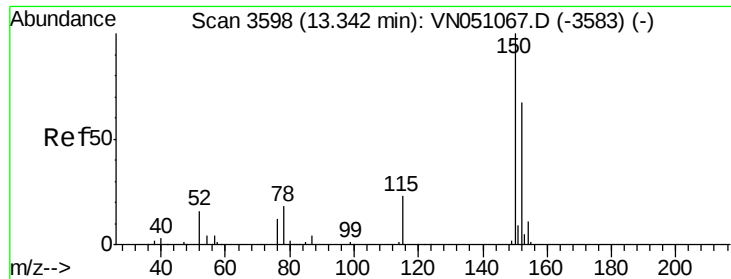
Tot Ion:106 Resp: 14212
Ion Ratio Lower Upper
106 100
91 244.5 105.1 315.1



#70
Styrene
Concen: 0.22 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN051132.D
Acq: 11 Sep 2018 17:15

Tgt Ion:104 Resp: 4930
Ion Ratio Lower Upper
104 100
78 92.8 37.7 56.5#
103 0.0 44.6 67.0#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampled :

EP1-MW-F

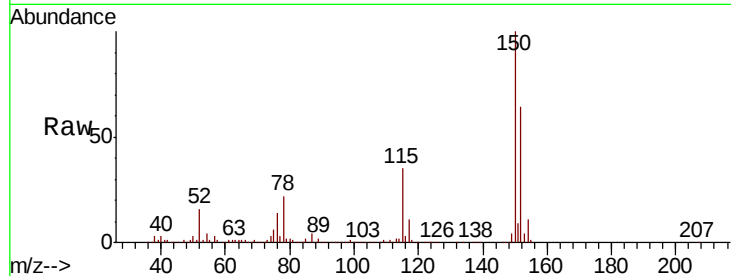
Tot Ion:152 Resp: 429518

Ion Ratio Lower Upper

152 100

115 55.6 28.2 84.7

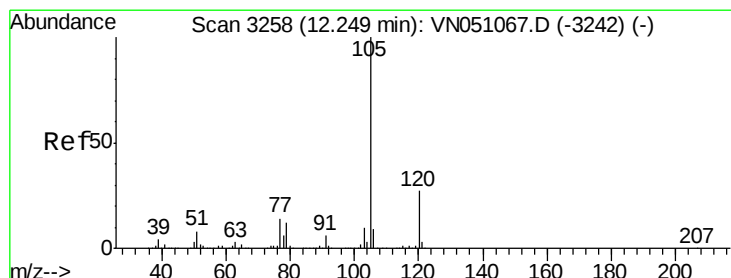
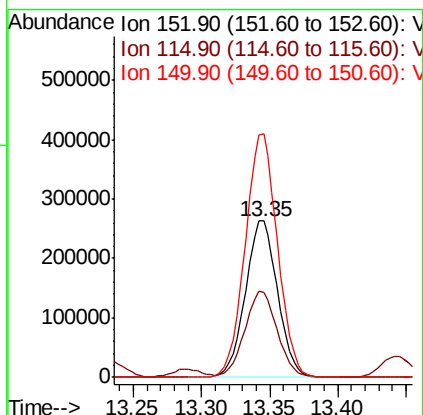
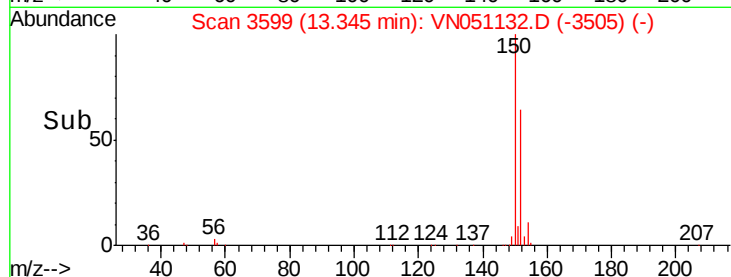
150 156.4 0.0 349.0



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



#73

Isopropylbenzene

Concen: 96.43 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051132.D

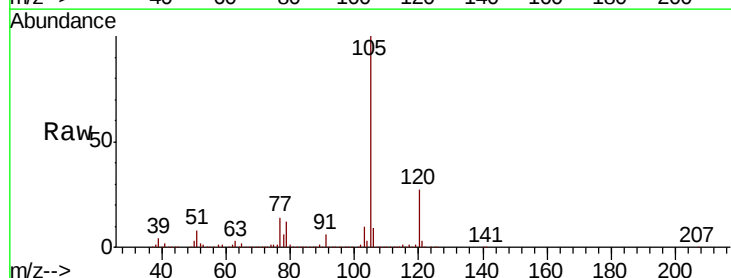
Acq: 11 Sep 2018 17:15

Tgt Ion:105 Resp: 3473425

Ion Ratio Lower Upper

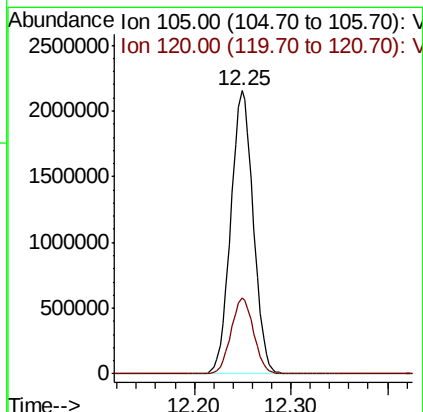
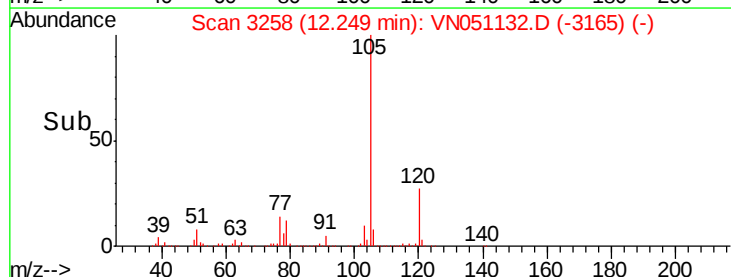
105 100

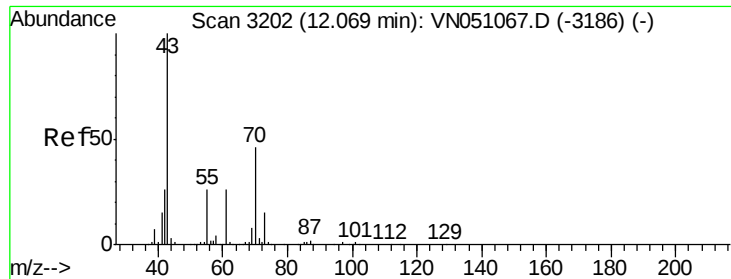
120 26.9 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 1.23 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-F

Tot Ion: 43 Resp: 11169

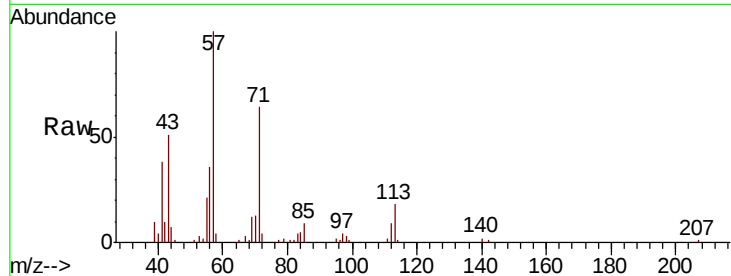
Ion Ratio Lower Upper

43 100

70 9.5 37.0 55.4#

55 0.0 21.3 31.9#

61 0.0 20.7 31.1#



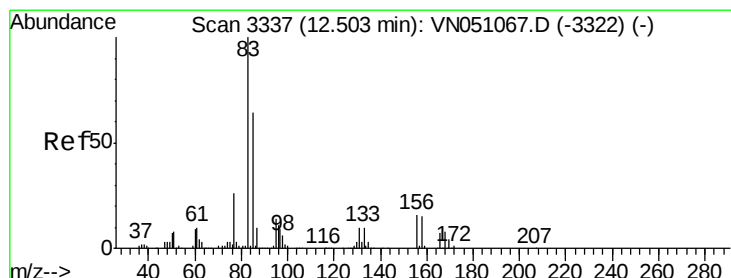
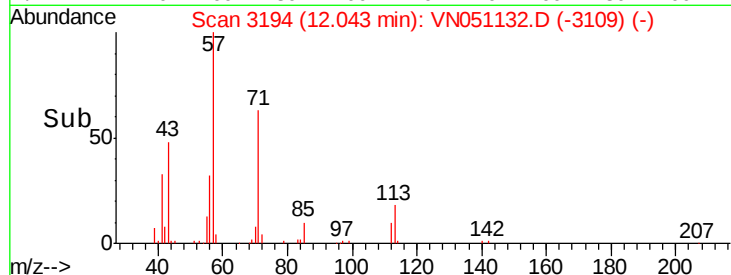
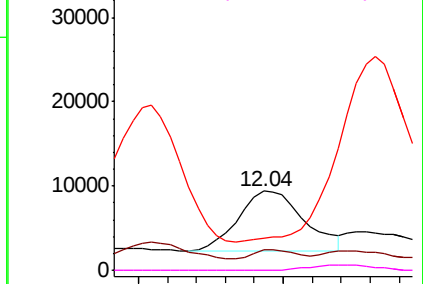
Abundance

Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.47 min Scan# 3328

Delta R.T. -0.03 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

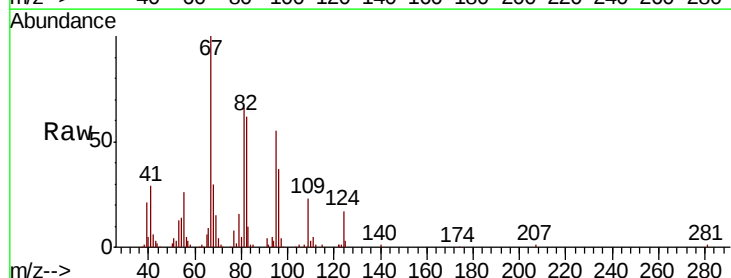
Tgt Ion: 83 Resp: 9698

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

85 0.0 32.3 96.8#

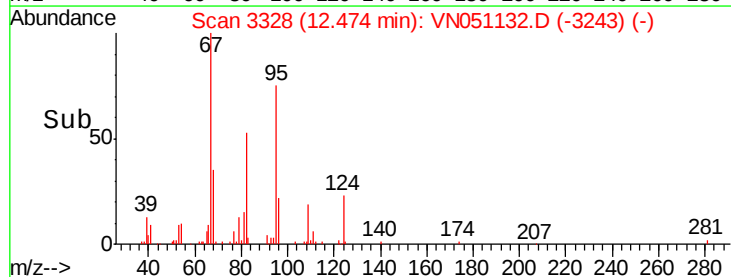
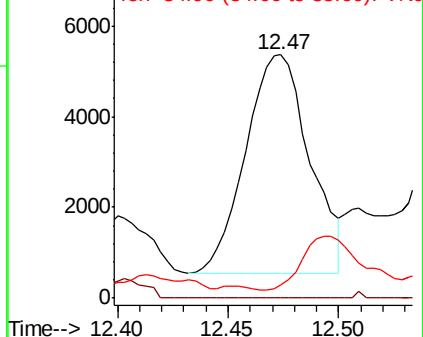


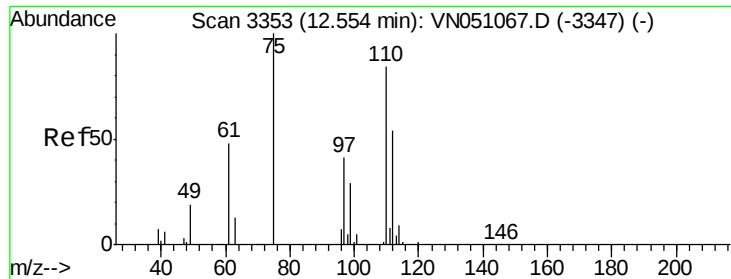
Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 4.69 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.04 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampled :

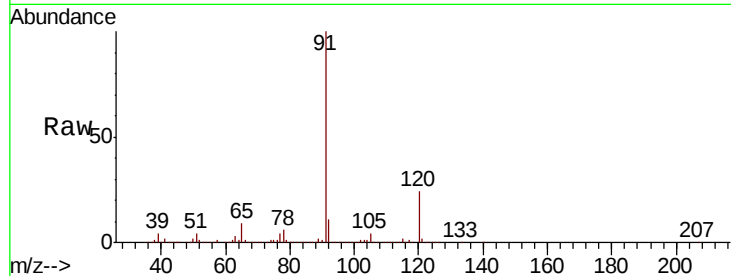
EP1-MW-F

Tot Ion: 75 Resp: 40216

Ion Ratio Lower Upper

75 100

77 652.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

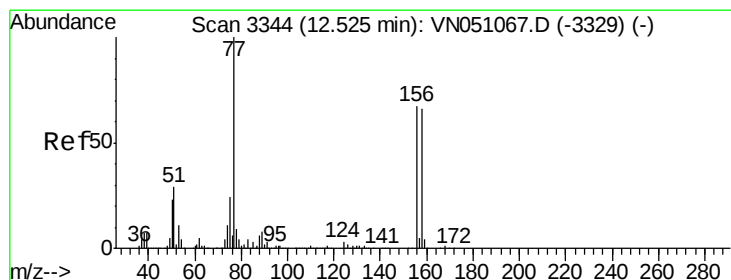
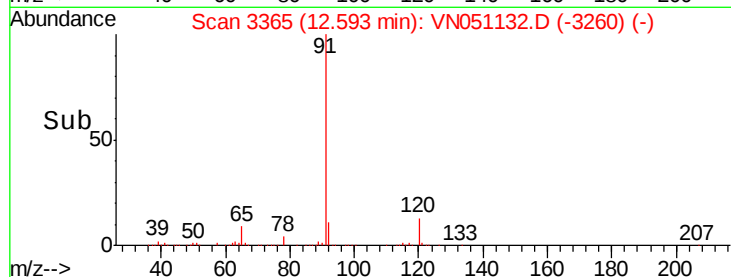
150000

100000

50000

12.59

Time-->



#77

Bromobenzene

Concen: 0.25 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

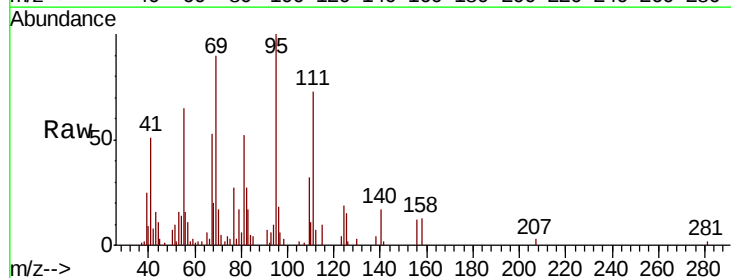
Tgt Ion: 156 Resp: 2380

Ion Ratio Lower Upper

156 100

77 0.0 87.5 262.6#

158 100.3 49.0 147.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V

200000

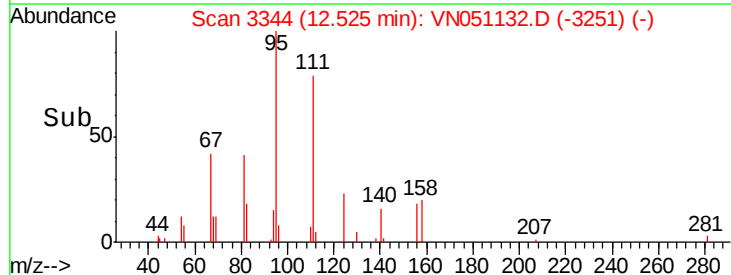
150000

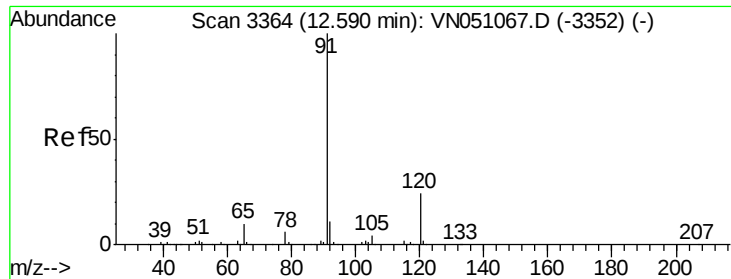
100000

50000

12.53

Time-->





#78

n-propylbenzene

Concen: 178.72 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

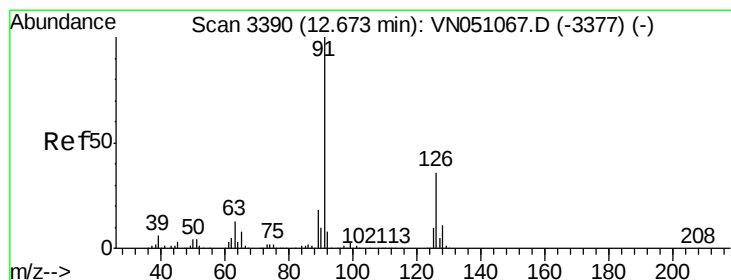
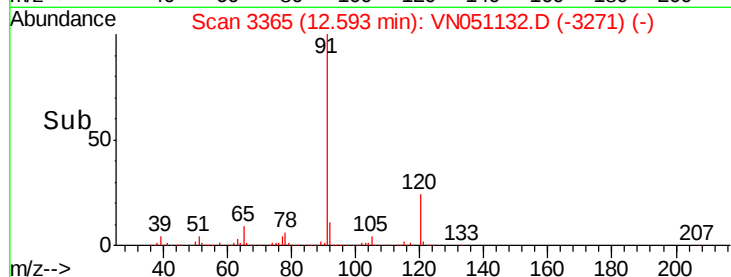
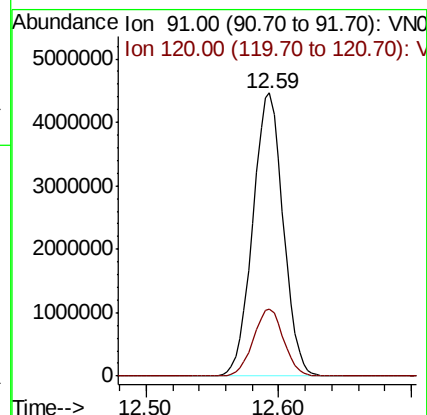
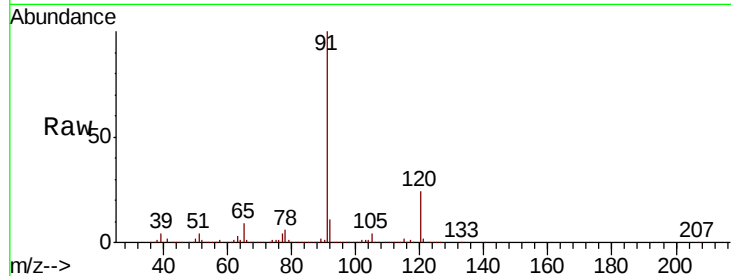
EP1-MW-F

Tot Ion: 91 Resp: 7076024

Ion Ratio Lower Upper

91 100

120 23.7 12.0 36.0



#79

2-Chlorotoluene

Concen: 285.94 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.08 min

Lab File: VN051132.D

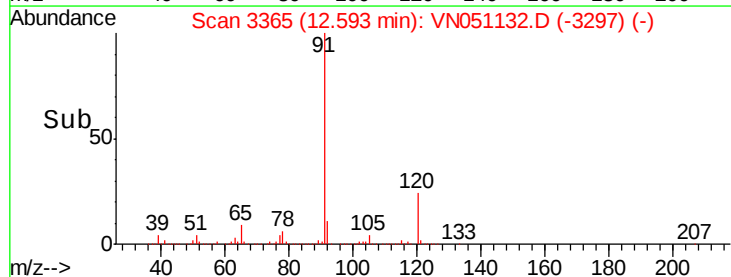
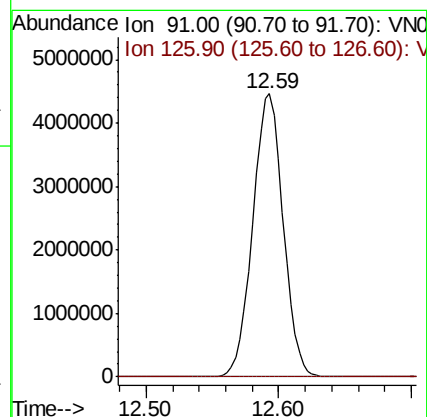
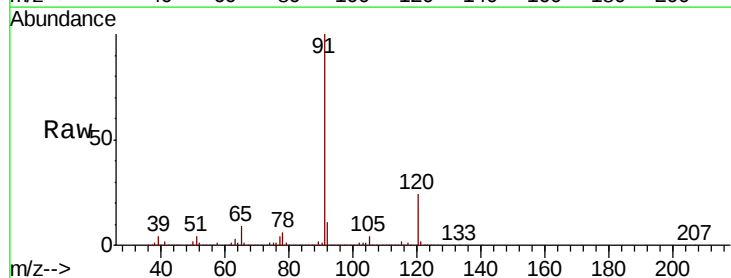
Acq: 11 Sep 2018 17:15

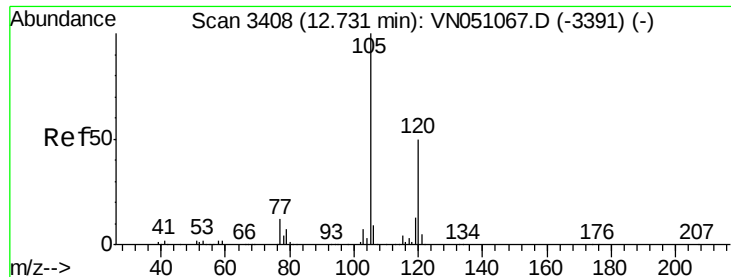
Tgt Ion: 91 Resp: 7076024

Ion Ratio Lower Upper

91 100

126 0.0 17.9 53.7#





#80

1,3,5-Trimethylbenzene

Concen: 8.98 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.14 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

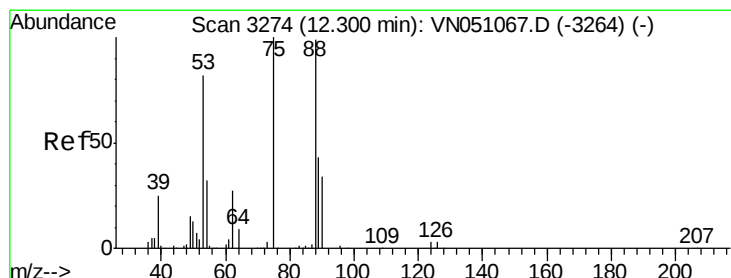
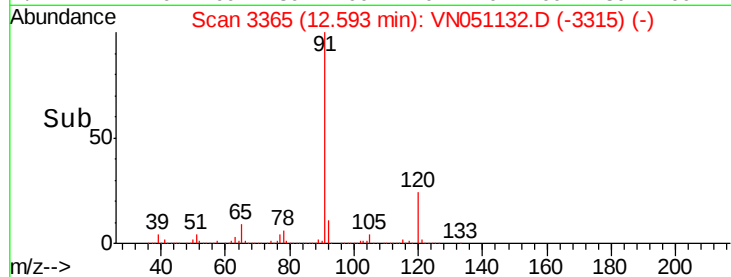
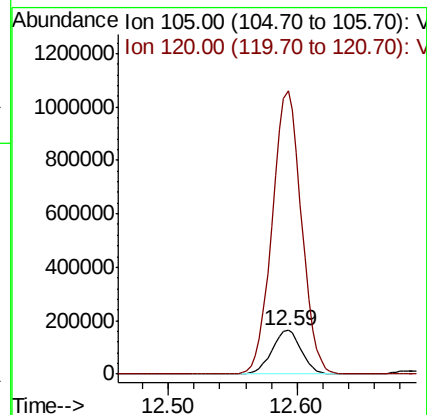
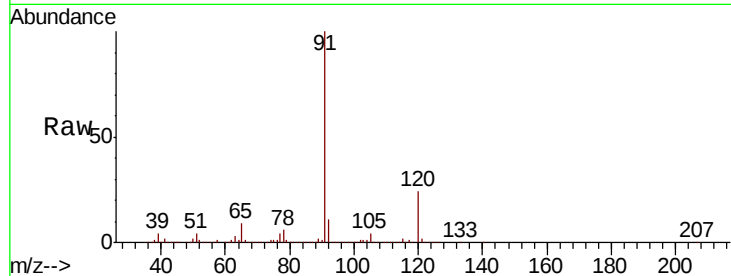
EP1-MW-F

Tot Ion:105 Resp: 261589

Ion Ratio Lower Upper

105 100

120 640.1 24.9 74.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 15.50 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.05 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

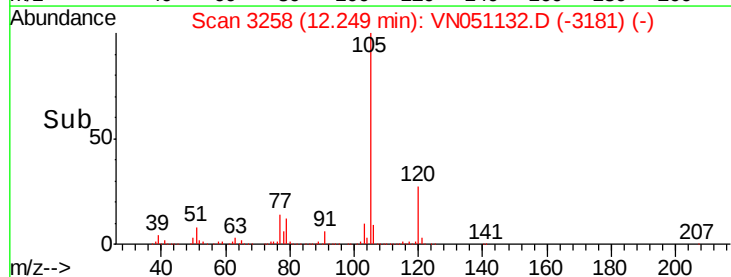
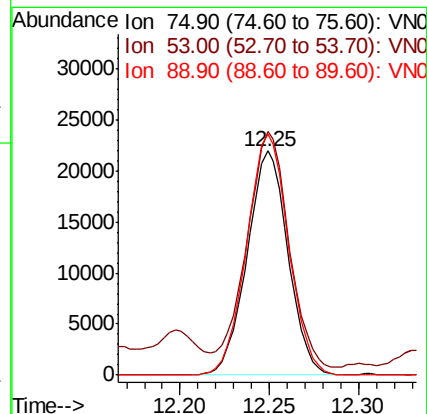
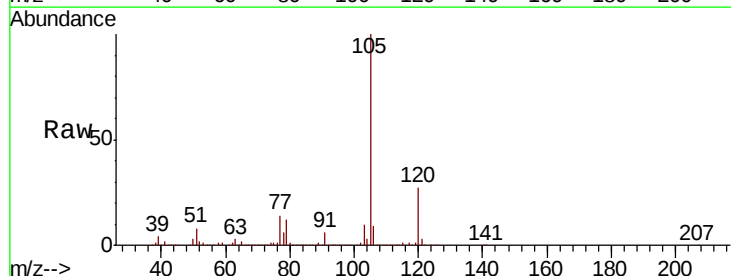
Tgt Ion: 75 Resp: 35045

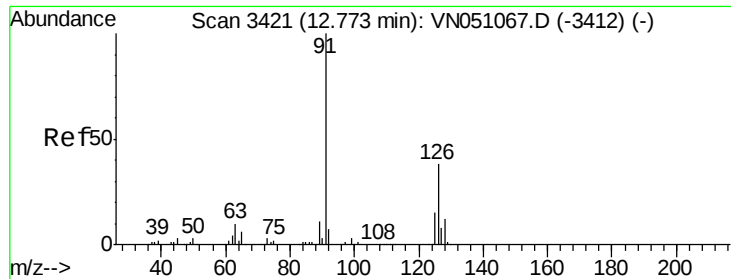
Ion Ratio Lower Upper

75 100

53 108.2 67.8 101.8#

89 110.2 36.0 54.0#

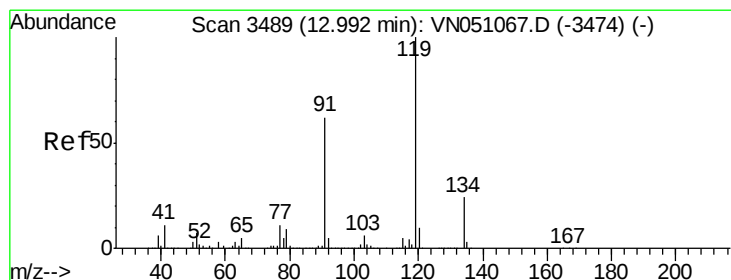
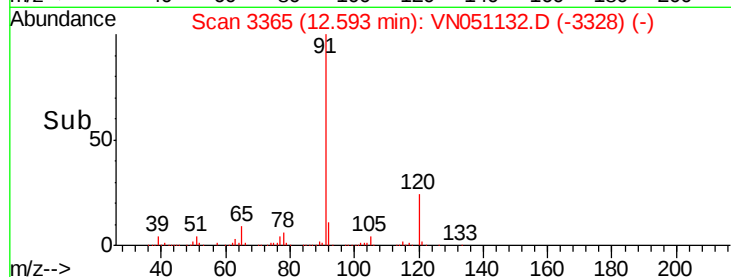
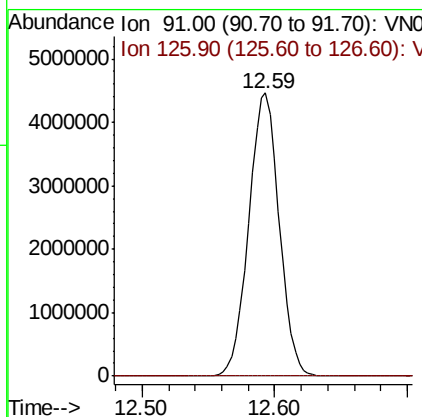
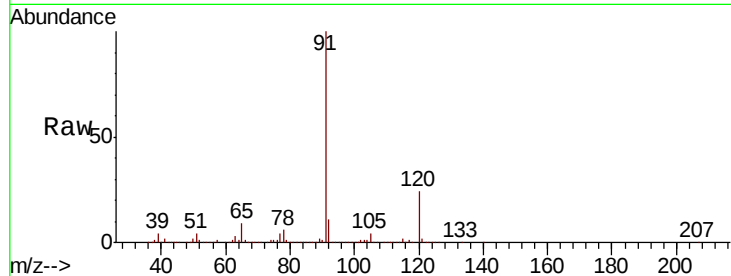




#82
4-Chlorotoluene
Concen: 288.06 ug/l
RT: 12.59 min Scan# 3365
Delta R.T. -0.18 min
Lab File: VN051132.D
Acq: 11 Sep 2018 17:15

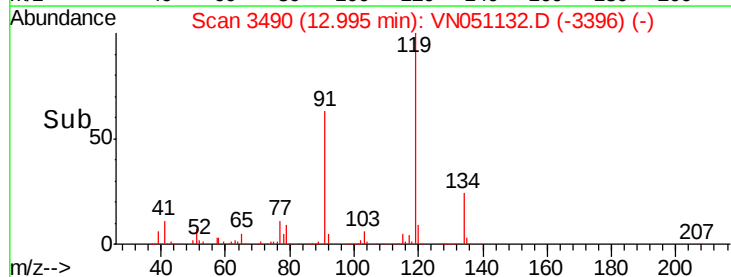
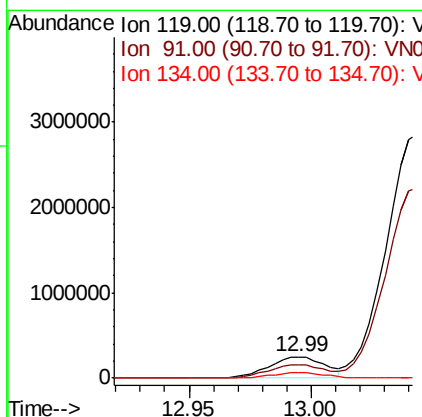
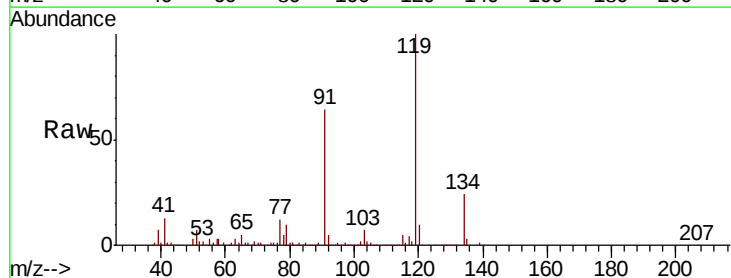
Instrument :
MSVOA_N
ClientSampleId :
EP1-MW-F

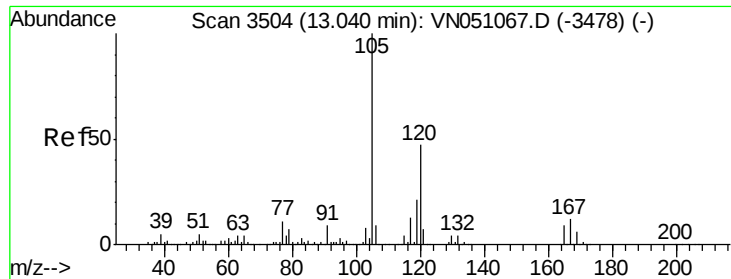
Tot Ion: 91 Resp: 7076024
Ion Ratio Lower Upper
91 100
126 0.0 17.6 52.8#



#83
tert-Butylbenzene
Concen: 15.60 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. 0.00 min
Lab File: VN051132.D
Acq: 11 Sep 2018 17:15

Tgt Ion: 119 Resp: 401179
Ion Ratio Lower Upper
119 100
91 64.5 30.8 92.3
134 24.6 13.2 39.6





#84

1,2,4-Trimethylbenzene

Concen: 71.54 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.13 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampled :

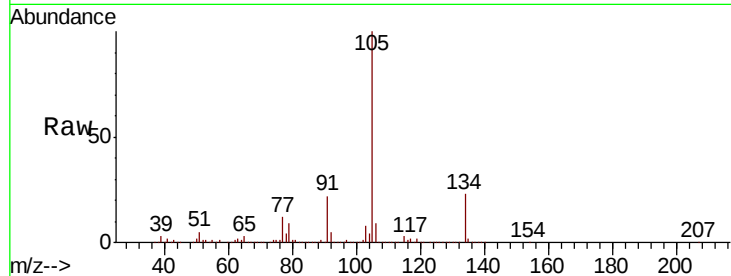
EP1-MW-F

Tot Ion:105 Resp: 2048536

Ion Ratio Lower Upper

105 100

120 0.0 23.3 69.8#



Abundance Ion 105.00 (104.70 to 105.70): V

1500000 Ion 120.00 (119.70 to 120.70): V

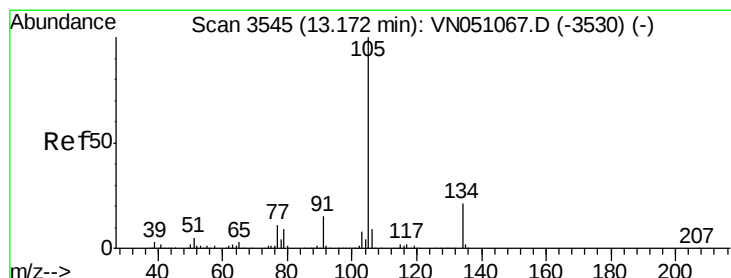
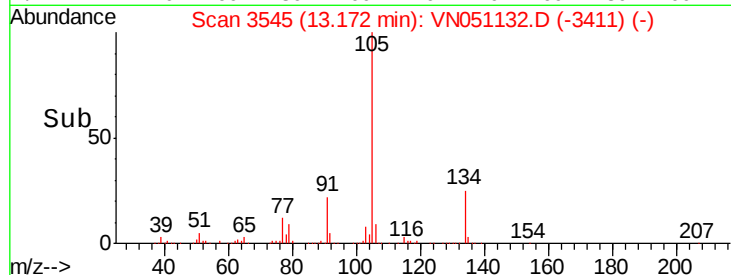
13.17

1000000

500000

0

Time--> 13.10 13.15 13.20



#85

sec-Butylbenzene

Concen: 62.13 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN051132.D

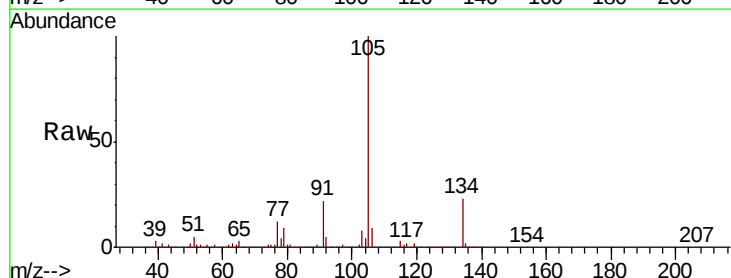
Acq: 11 Sep 2018 17:15

Tgt Ion:105 Resp: 2048536

Ion Ratio Lower Upper

105 100

134 30.7 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

1500000 Ion 134.00 (133.70 to 134.70): V

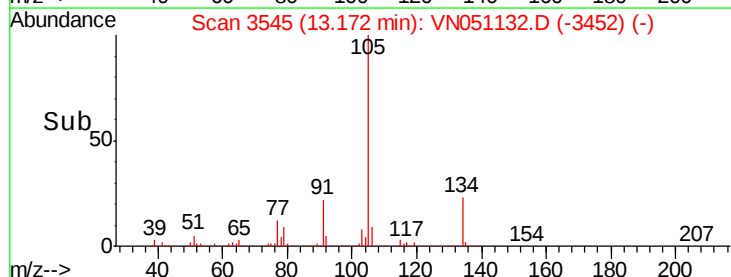
13.17

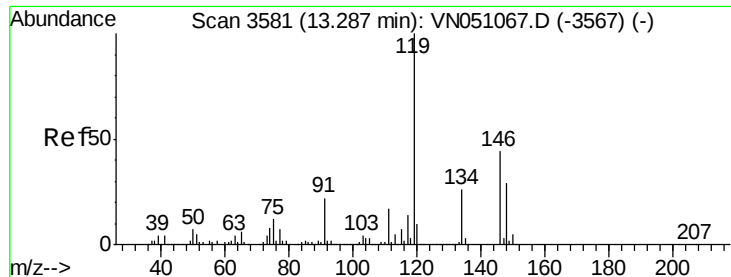
1000000

500000

0

Time--> 13.10 13.15 13.20

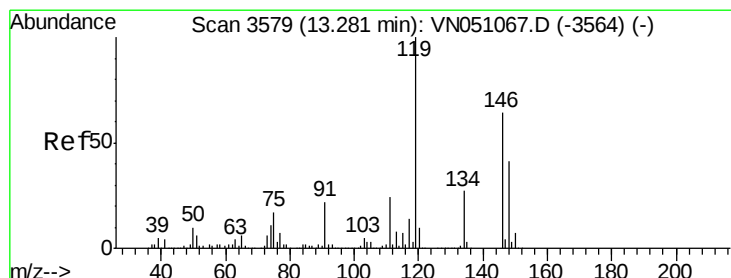
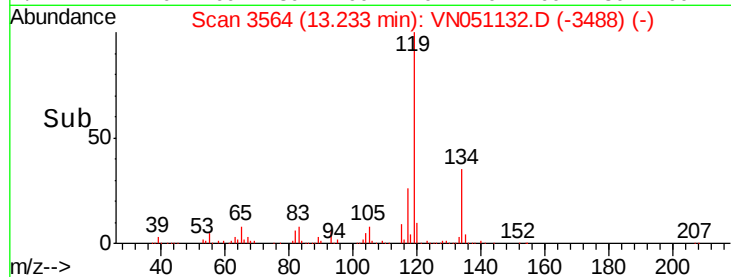
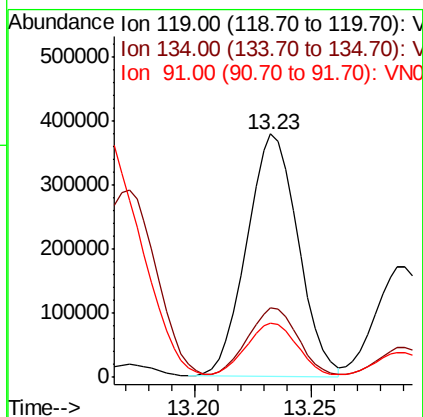
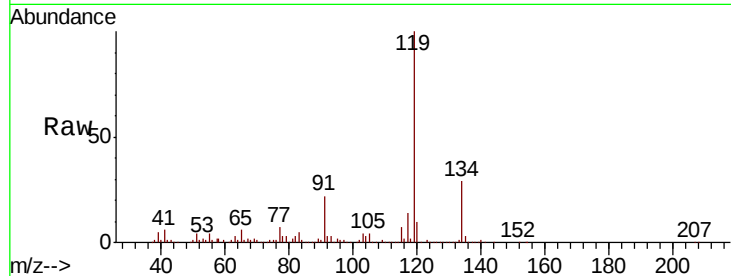




#86
 p-Isopropyltoluene
 Concen: 20.77 ug/l
 RT: 13.23 min Scan# 3564
 Delta R.T. -0.05 min
 Lab File: VN051132.D
 Acq: 11 Sep 2018 17:15

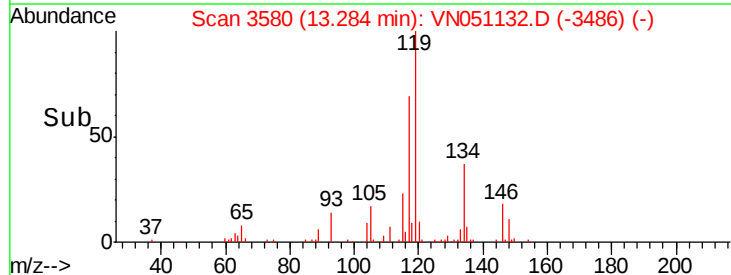
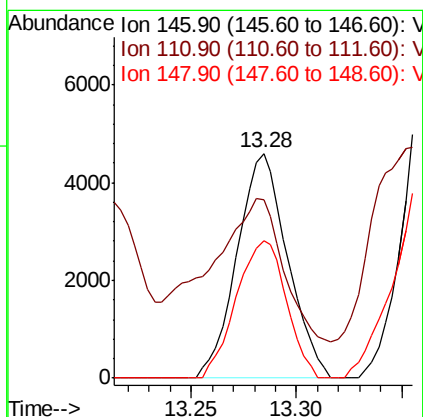
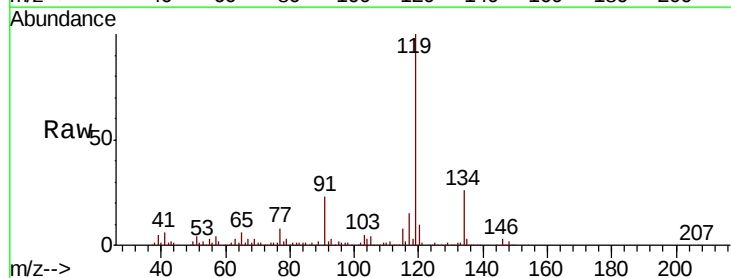
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-F

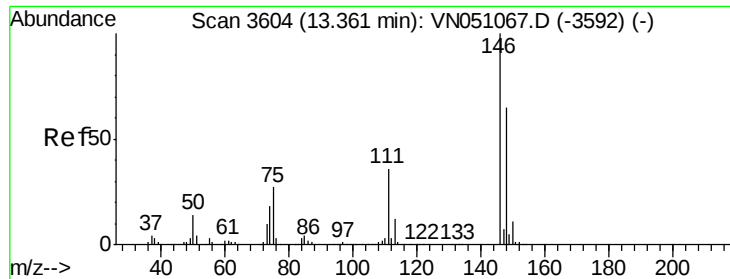
Tot Ion:119 Resp: 580631
 Ion Ratio Lower Upper
 119 100
 134 28.9 13.5 40.4
 91 21.0 10.9 32.9



#87
 1,3-Dichlorobenzene
 Concen: 0.46 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN051132.D
 Acq: 11 Sep 2018 17:15

Tgt Ion:146 Resp: 7623
 Ion Ratio Lower Upper
 146 100
 111 91.1 19.1 57.1#
 148 60.5 32.2 96.6

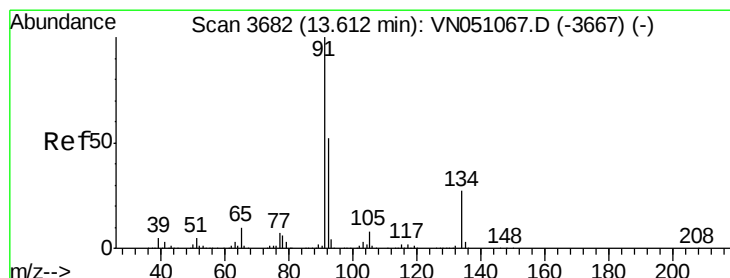
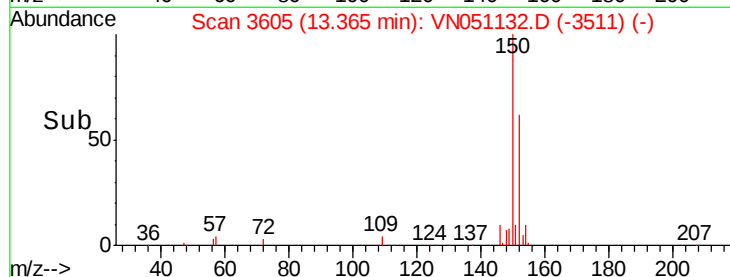
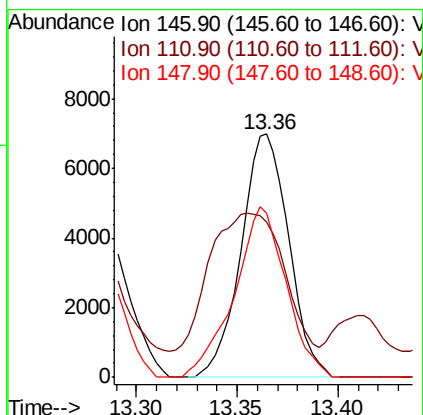
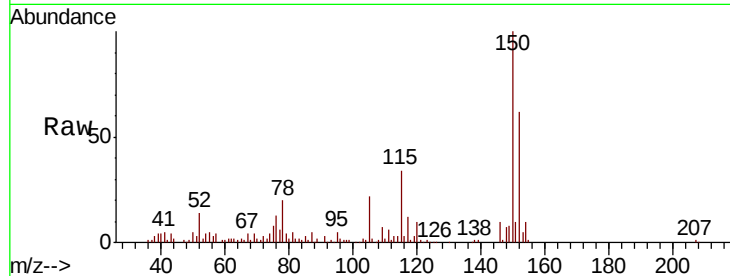




#88
 1,4-Dichlorobenzene
 Concen: 0.78 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN051132.D
 Acq: 11 Sep 2018 17:15

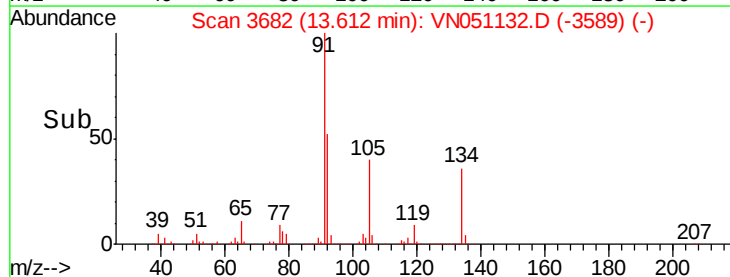
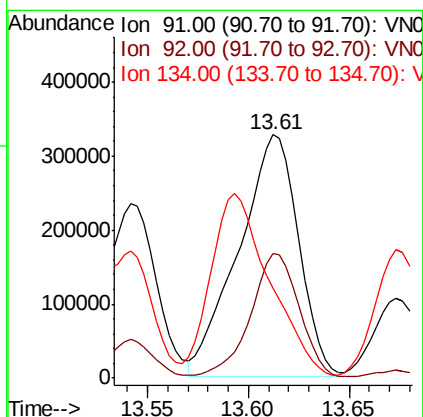
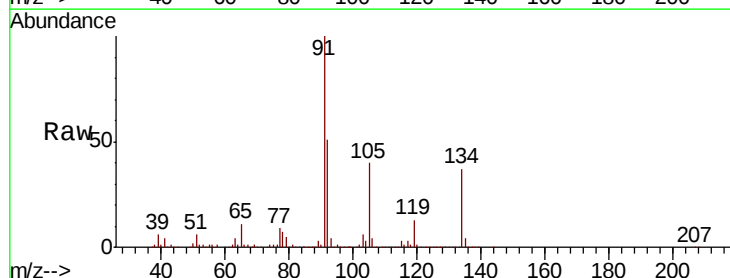
Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-F

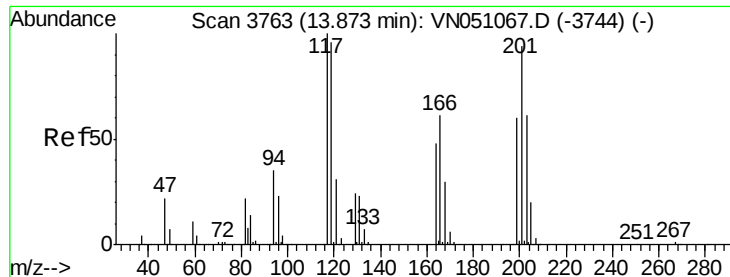
Tot Ion:146 Resp: 11552
 Ion Ratio Lower Upper
 146 100
 111 85.5 18.4 55.0#
 148 75.8 32.2 96.6



#89
 n-Butylbenzene
 Concen: 31.03 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. -0.00 min
 Lab File: VN051132.D
 Acq: 11 Sep 2018 17:15

Tgt Ion: 91 Resp: 675221
 Ion Ratio Lower Upper
 91 100
 92 41.5 26.2 78.6
 134 72.1 13.7 41.1#





#90

Hexachloroethane

Concen: 67.63 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

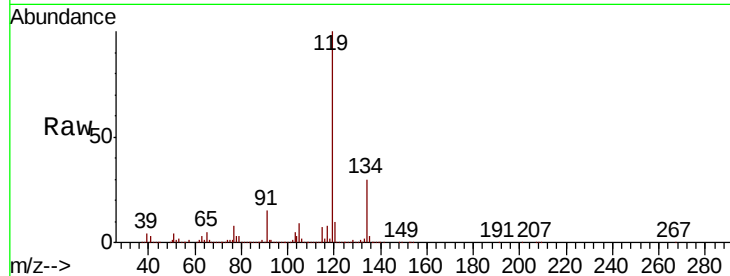
EP1-MW-F

Tot Ion:117 Resp: 343132

Ion Ratio Lower Upper

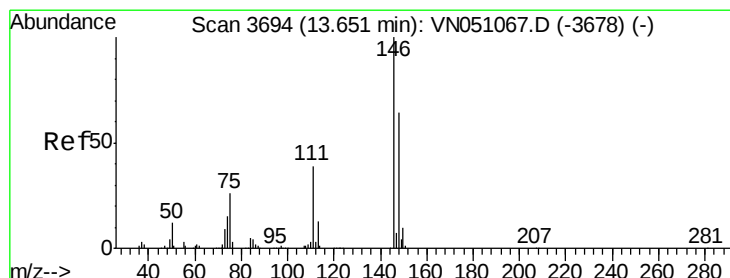
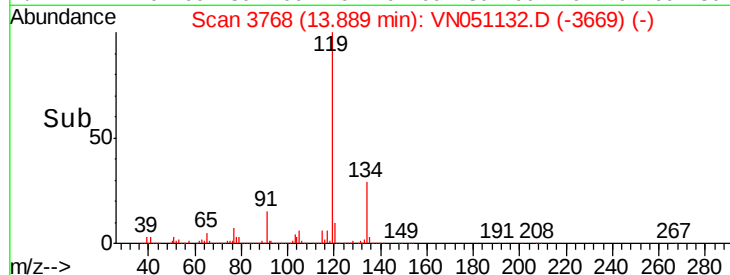
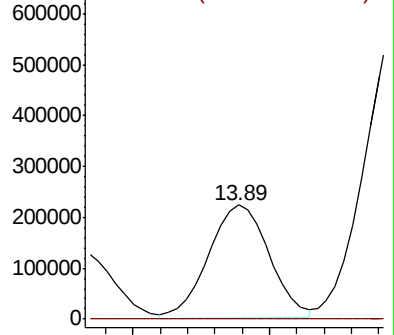
117 100

201 0.0 47.3 142.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.46 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. -0.00 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

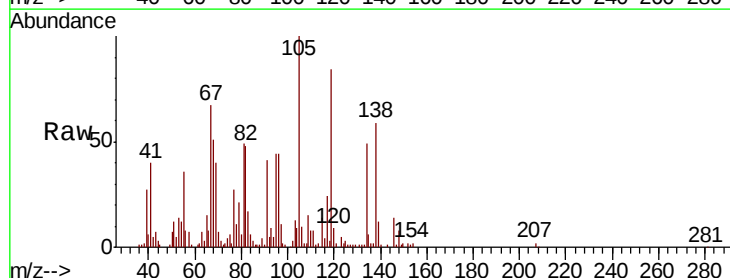
Tgt Ion:146 Resp: 7368

Ion Ratio Lower Upper

146 100

111 68.0 19.7 59.0#

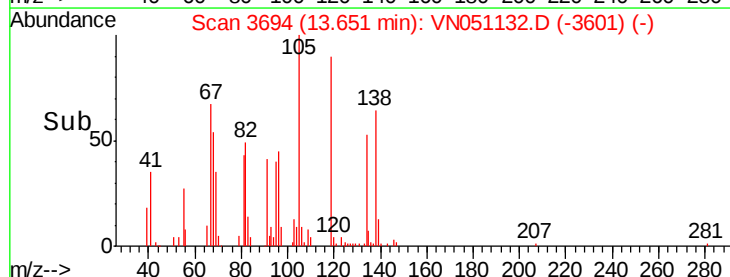
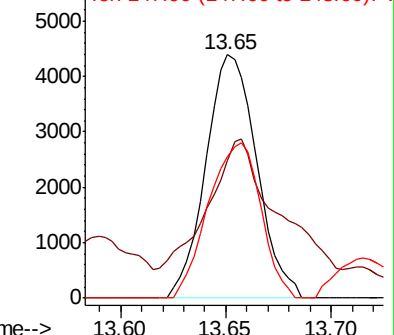
148 65.6 32.1 96.3

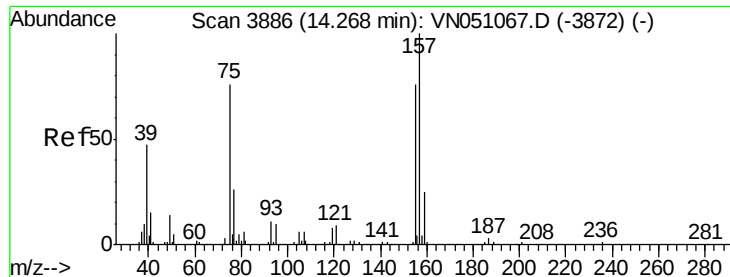


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 13.15 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-F

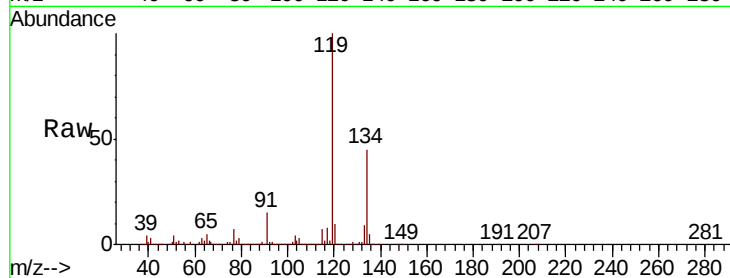
Tot Ion: 75 Resp: 15578

Ion Ratio Lower Upper

75 100

155 0.0 48.7 146.1#

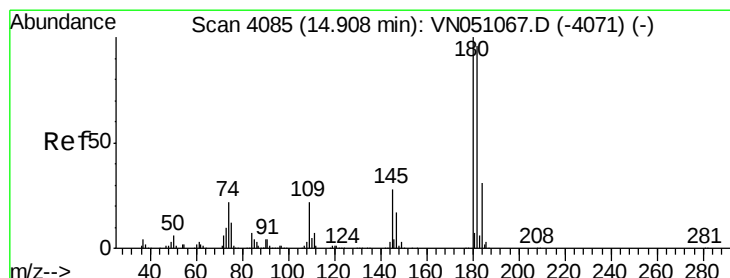
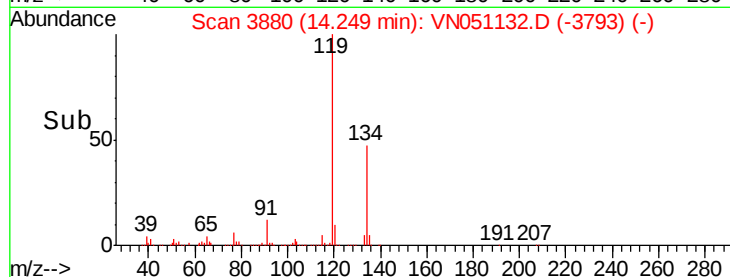
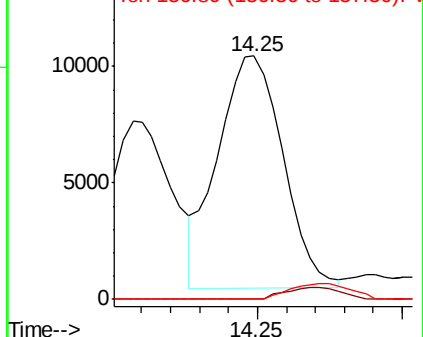
157 0.0 63.6 190.9#



Abundance Ion 74.90 (74.60 to 75.60): VN051067.D (-3872) (-)

Ion 154.80 (154.50 to 155.50): VN051067.D (-3872) (-)

Ion 156.80 (156.50 to 157.50): VN051067.D (-3872) (-)



#93

1,2,4-Trichlorobenzene

Concen: 5.93 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

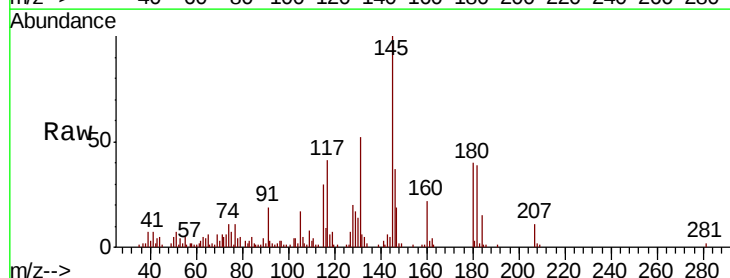
Tgt Ion: 180 Resp: 16331

Ion Ratio Lower Upper

180 100

182 97.8 47.3 141.8

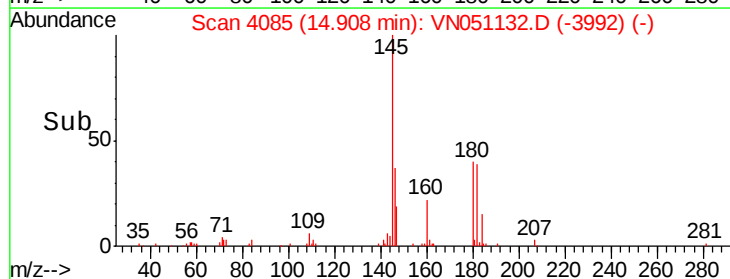
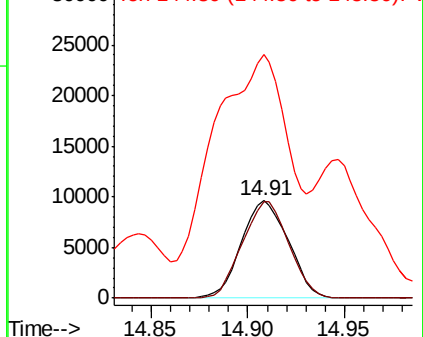
145 385.1 14.2 42.6#

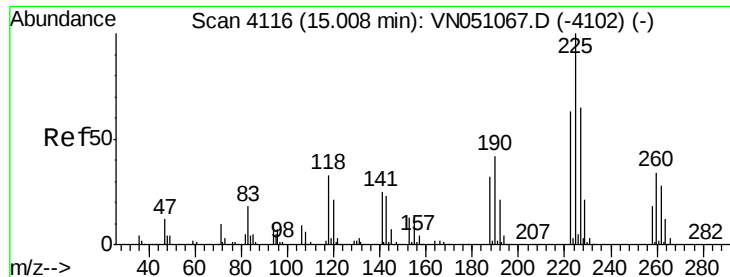


Abundance Ion 179.80 (179.50 to 180.50): VN051067.D (-4071) (-)

Ion 181.80 (181.50 to 182.50): VN051067.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN051067.D (-4071) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

EP1-MW-F

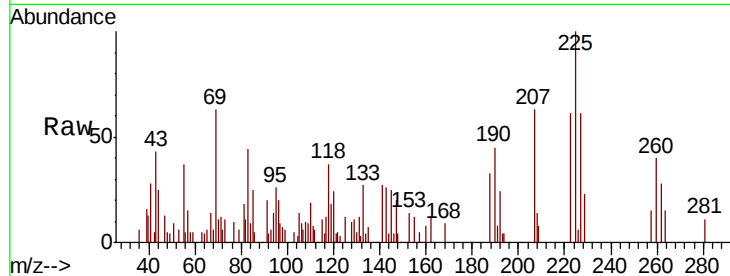
Tot Ion:225 Resp: 7278

Ion Ratio Lower Upper

225 100

223 60.6 31.4 94.0

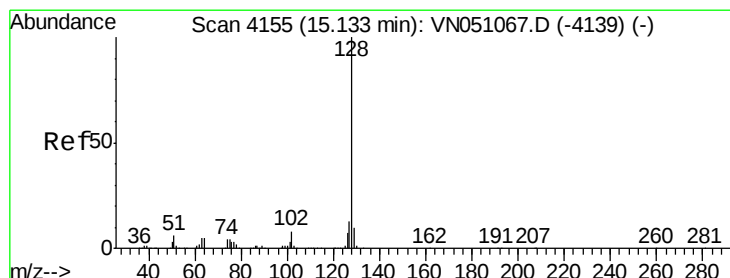
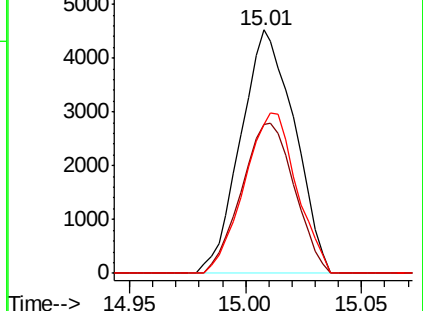
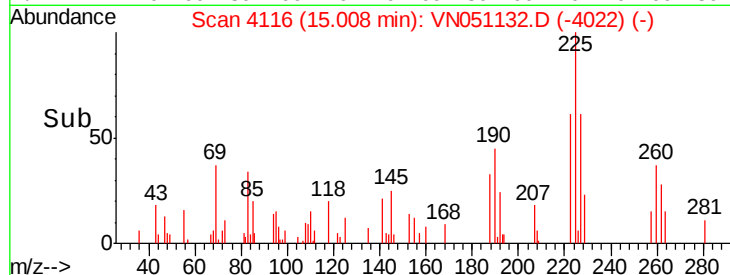
227 64.1 32.1 96.3



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 8.43 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN051132.D

Acq: 11 Sep 2018 17:15

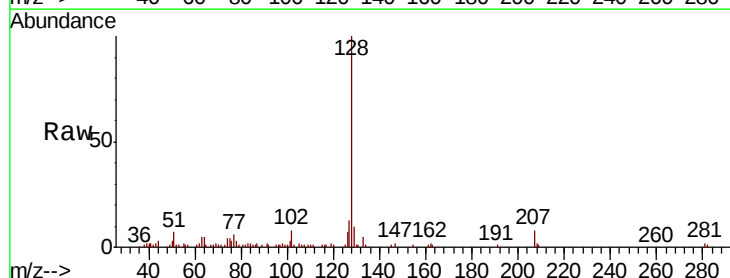
Tgt Ion:128 Resp: 55795

Ion Ratio Lower Upper

128 100

127 12.1 10.6 15.8

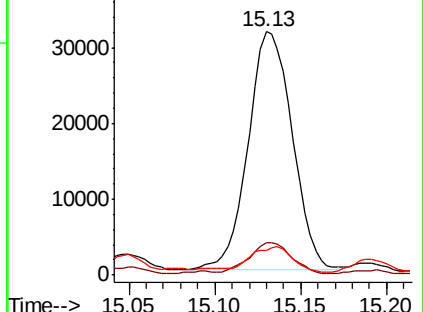
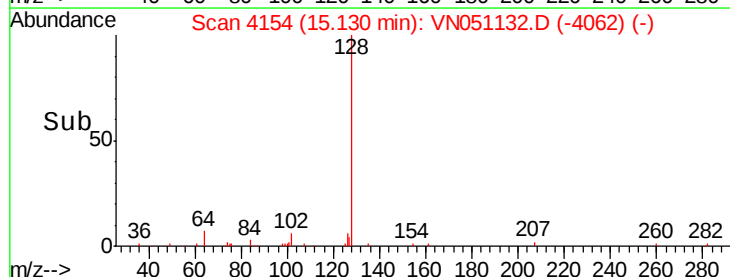
129 10.4 8.6 12.8

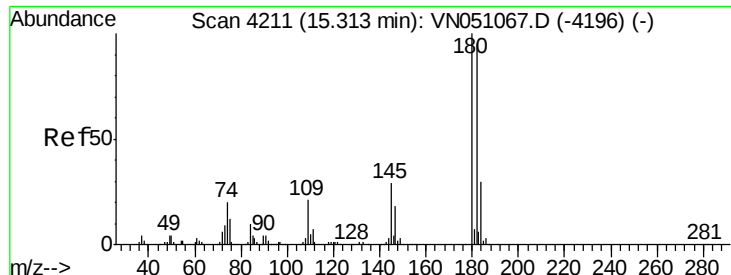


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

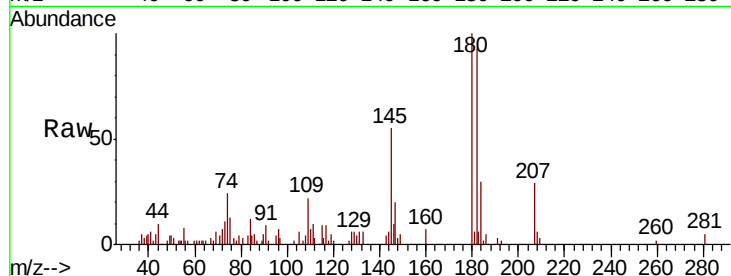




#96
 1,2,3-Trichlorobenzene
 Concen: 5.20 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN051132.D
 Acq: 11 Sep 2018 17:15

Instrument :
 MSVOA_N
 ClientSampleId :
 EP1-MW-F

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.8	143.3
145	99.8	14.6	43.8#



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

