

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091218\
 Data File : VN051154.D
 Acq On : 12 Sep 2018 17:26
 Operator : MD\SY
 Sample : J4883-03
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SV30518L

Quant Time: Sep 13 07:20:49 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	584689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	925776	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	813452	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	300342	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	358517	55.10	ug/l	0.00
Spiked Amount			Recovery	=	110.20%	
35) Dibromofluoromethane	7.59	113	347762	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
50) Toluene-d8	10.09	98	1280540	48.51	ug/l	0.00
Spiked Amount			Recovery	=	97.02%	
62) 4-Bromofluorobenzene	12.40	95	383041	43.87	ug/l	0.00
Spiked Amount			Recovery	=	87.74%	

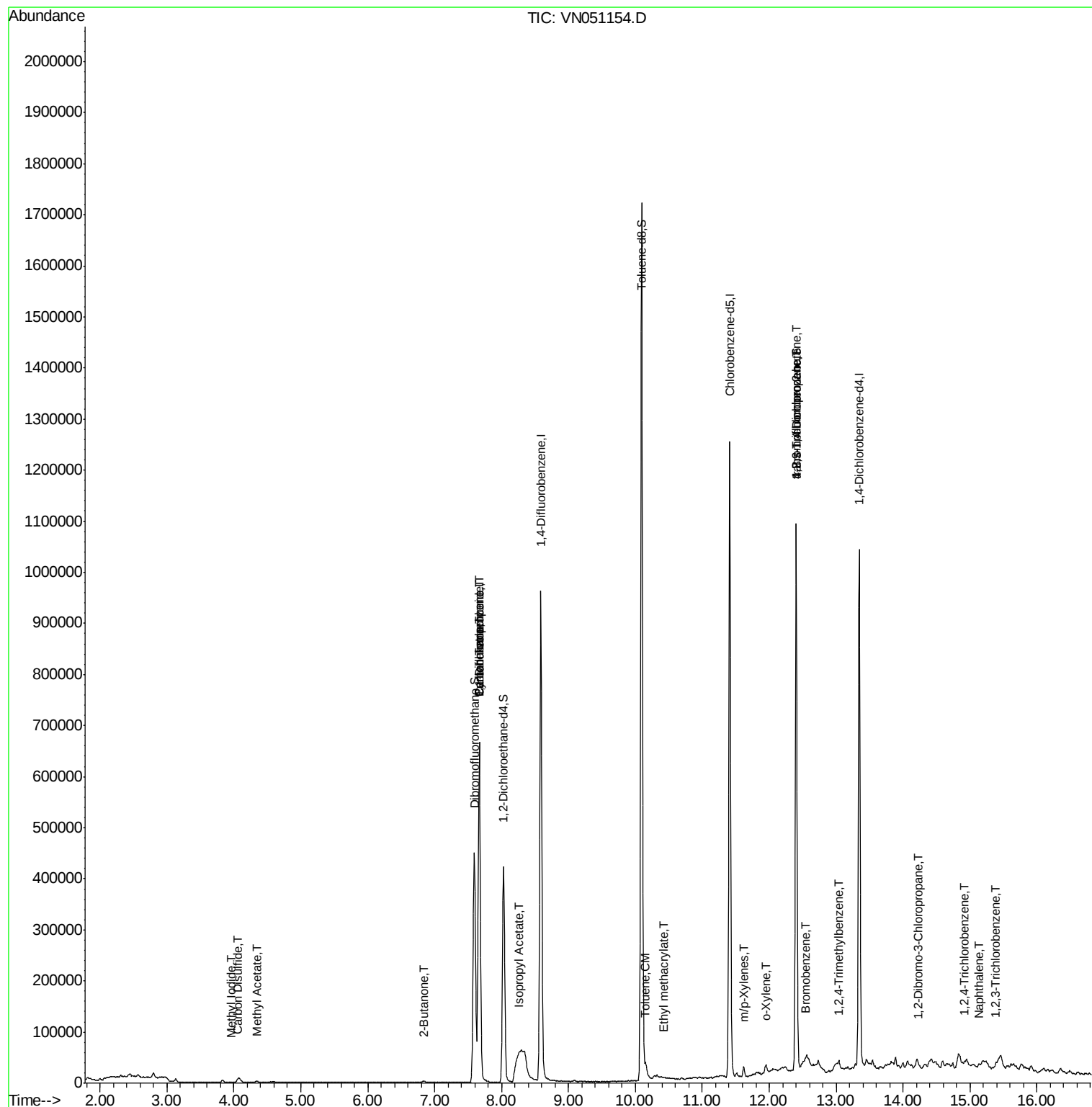
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2765	Below Cal		92
5) Bromomethane	2.57	94	2431	Below Cal		98
10) Methyl Iodide	3.96	142	218	5.66	ug/l #	44
16) Acetone	3.83	43	6984	Below Cal		94
17) Carbon Disulfide	4.05	76	6149	0.45	ug/l	99
18) Methyl Acetate	4.34	43	5434	1.04	ug/l #	52
25) 2-Butanone	6.85	43	1490	0.58	ug/l #	46
31) Cyclohexane	7.66	56	10279	0.74	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	38171	3.76	ug/l #	48
38) Carbon Tetrachloride	7.67	117	50049	5.00	ug/l #	17
43) Isopropyl Acetate	8.27	43	71760	6.91	ug/l #	50
52) Toluene	10.16	92	7499	0.40	ug/l	88
56) Ethyl methacrylate	10.43	69	130	2.47	ug/l #	28
68) m/p-Xylenes	11.62	106	6842	0.54	ug/l	90
69) o-Xylene	11.95	106	4608	0.37	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.49	83	97	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	175219	37.25	ug/l #	100
77) Bromobenzene	12.53	156	6618	0.98	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.40	75	175219	110.80	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.04	105	5356	0.27	ug/l	93
90) Hexachloroethane	13.89	117	618	Below Cal	#	2
92) 1,2-Dibromo-3-Chloropropan	14.24	75	30	0.69	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	68	3.99	ug/l #	1
95) Naphthalene	15.13	128	5525	5.78	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.39	180	29	2.95	ug/l #	1

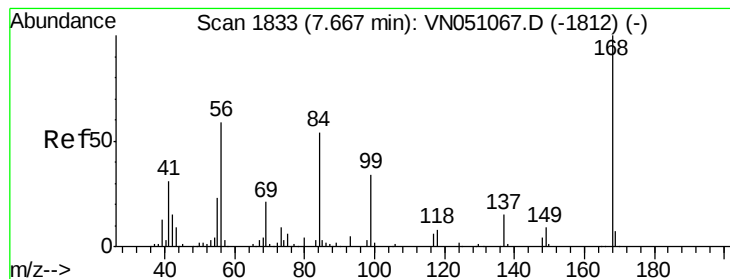
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN091218\
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Quant Time: Sep 13 07:20:49 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051154.D

Acq: 12 Sep 2018 17:26

Instrument :

MSVOA_N

ClientSampled :

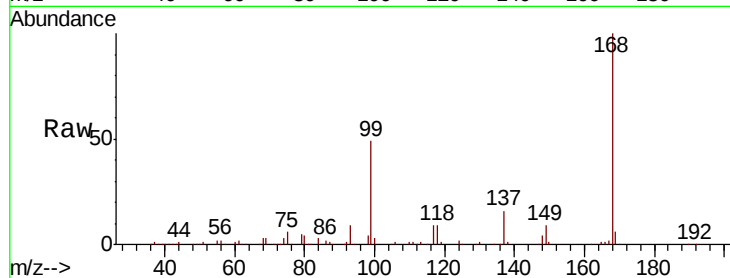
SV30518L

Tot Ion:168 Resp: 584689

Ion Ratio Lower Upper

168 100

99 49.4 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): VN051067.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN051067.D (-1812) (-)

7.67

250000

200000

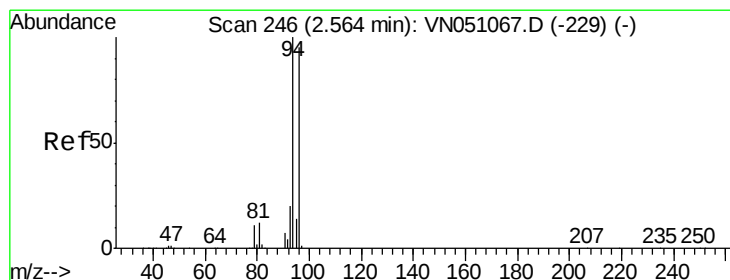
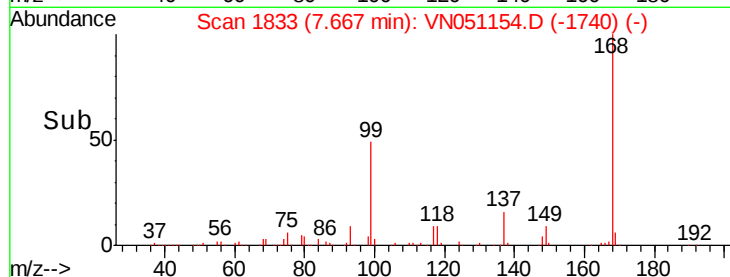
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051154.D

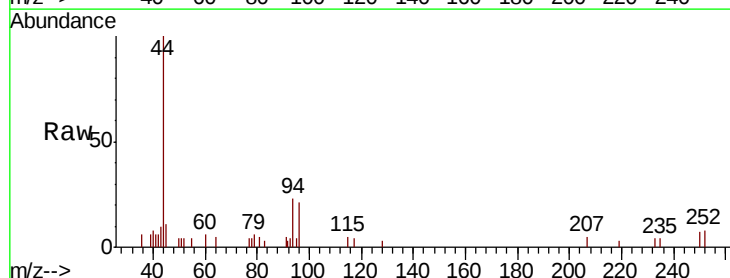
Acq: 12 Sep 2018 17:26

Tgt Ion: 94 Resp: 2431

Ion Ratio Lower Upper

94 100

96 92.9 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN051067.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN051067.D (-229) (-)

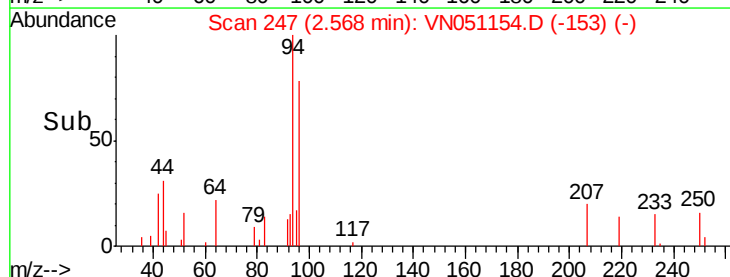
2.57

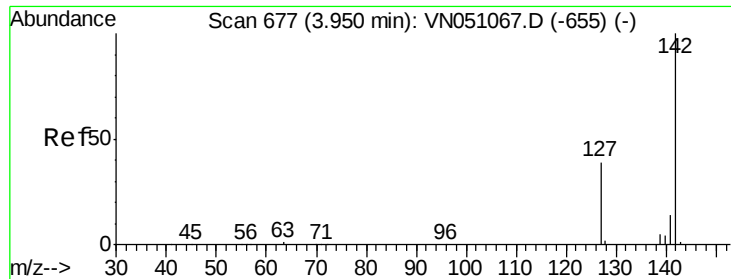
1000

500

0

Time-->

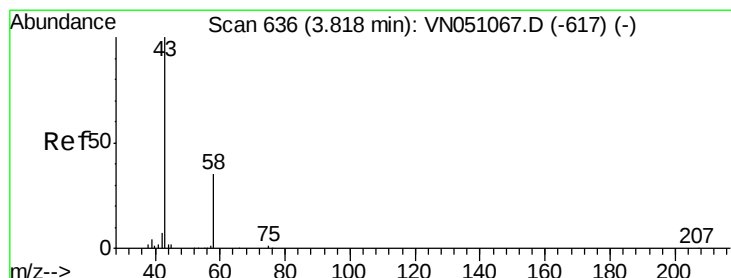
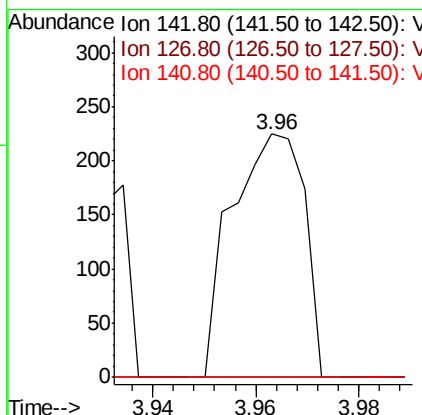
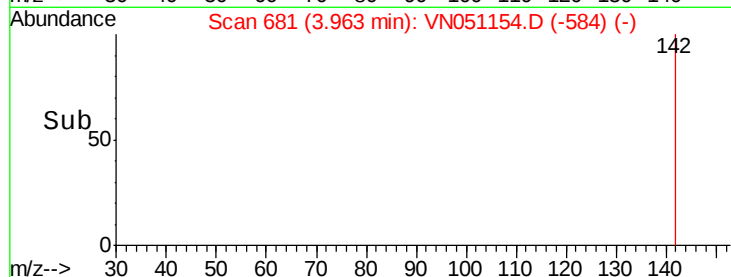
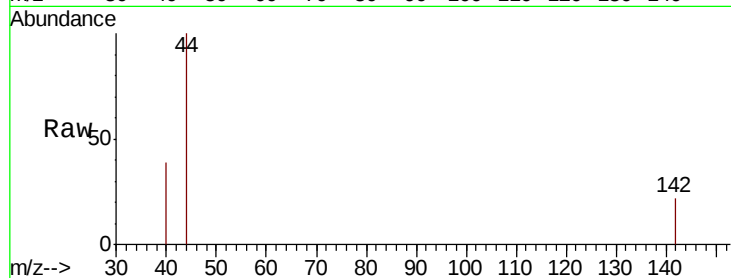




#10
Methvl Iodide
Concen: 5.66 ua/l
RT: 3.96 min Scan# 681
Delta R.T. 0.01 min
Lab File: VN051154.D
Acq: 12 Sep 2018 17:26

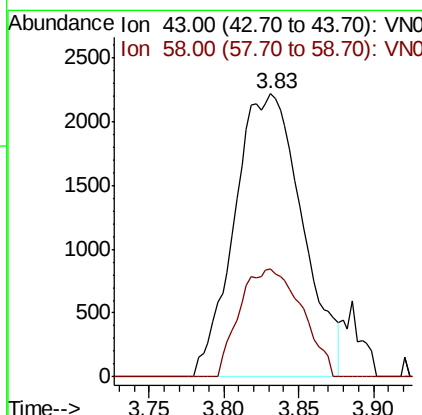
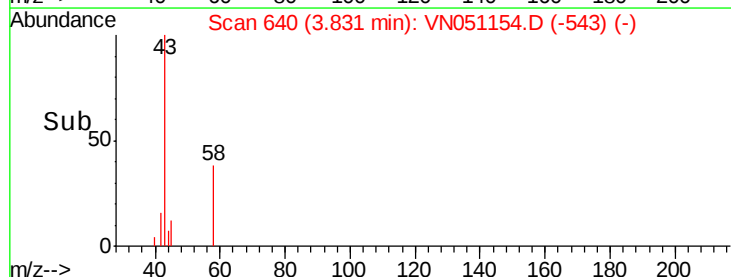
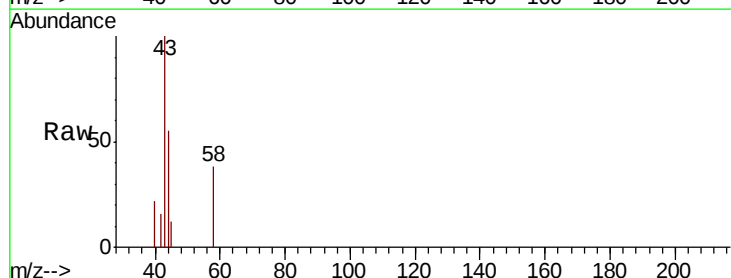
Instrument :
MSVOA_N
ClientSampleId :
SV30518L

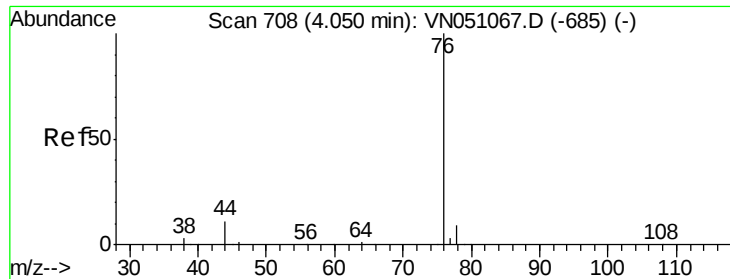
Tot Ion:142 Resp: 218
Ion Ratio Lower Upper
142 100
127 0.0 31.0 46.4#
141 0.0 11.3 16.9#



#16
Acetone
Concen: Below Cal
RT: 3.83 min Scan# 640
Delta R.T. 0.01 min
Lab File: VN051154.D
Acq: 12 Sep 2018 17:26

Tgt Ion: 43 Resp: 6984
Ion Ratio Lower Upper
43 100
58 38.1 27.8 41.6

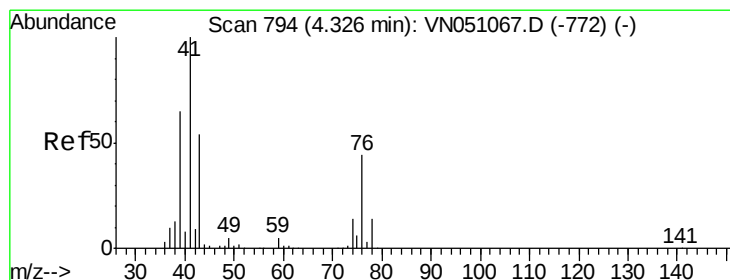
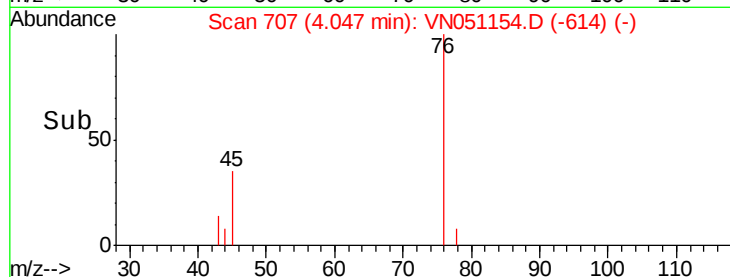
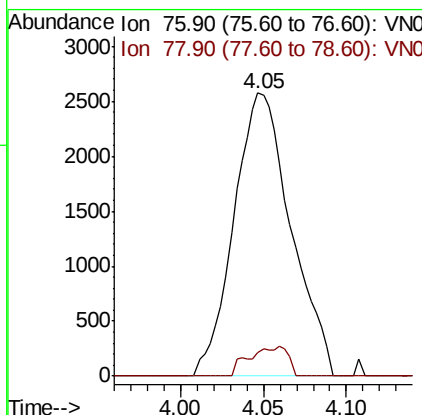
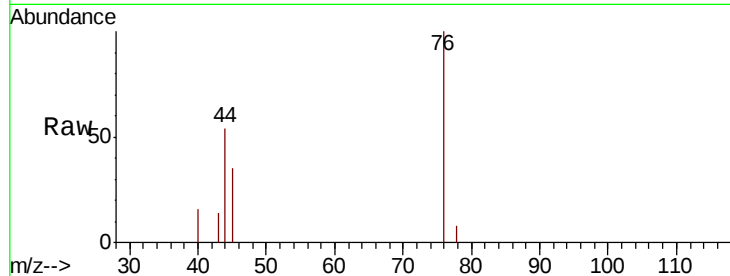




#17
Carbon Disulfide
Concen: 0.45 ug/l
RT: 4.05 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN051154.D
Acq: 12 Sep 2018 17:26

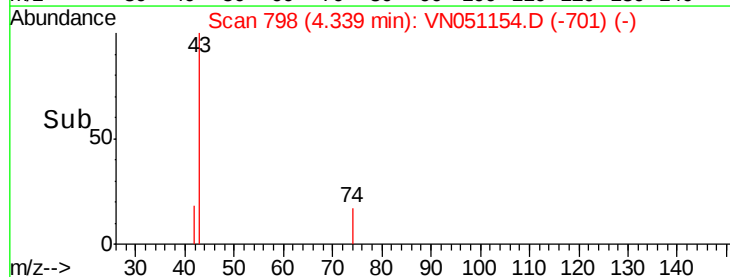
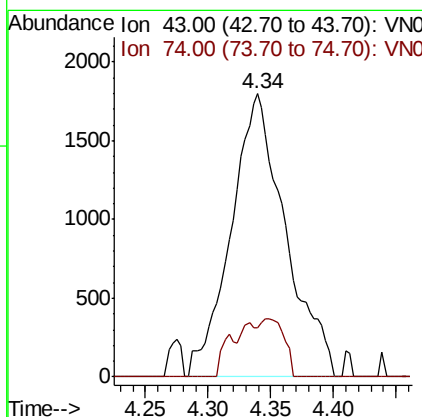
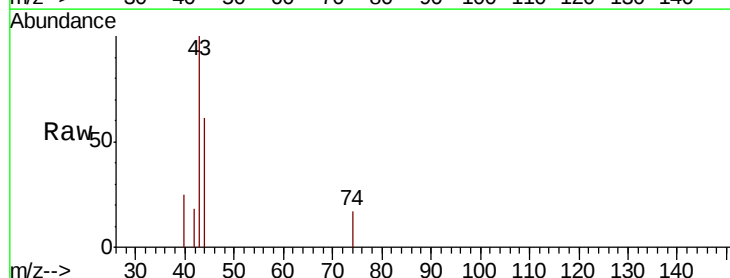
Instrument :
MSVOA_N
ClientSampleId :
SV30518L

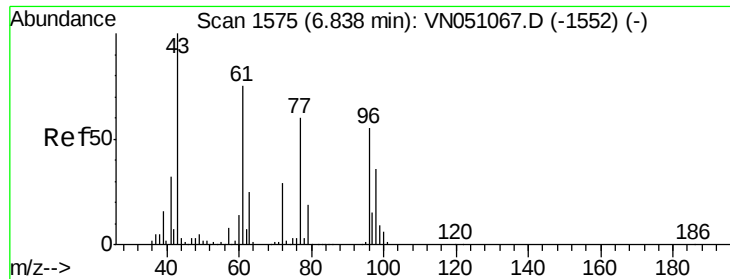
Tot Ion: 76 Resp: 6149
Ion Ratio Lower Upper
76 100
78 8.5 7.0 10.6



#18
Methyl Acetate
Concen: 1.04 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN051154.D
Acq: 12 Sep 2018 17:26

Tgt Ion: 43 Resp: 5434
Ion Ratio Lower Upper
43 100
74 1.6 20.7 31.1#

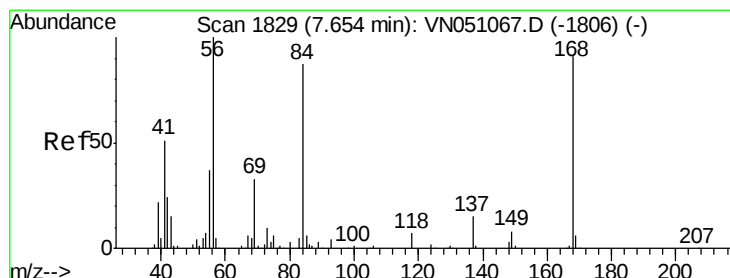
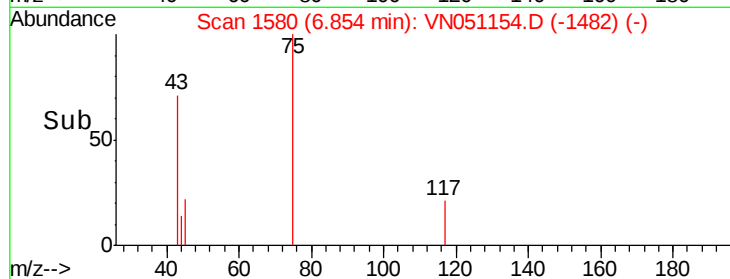
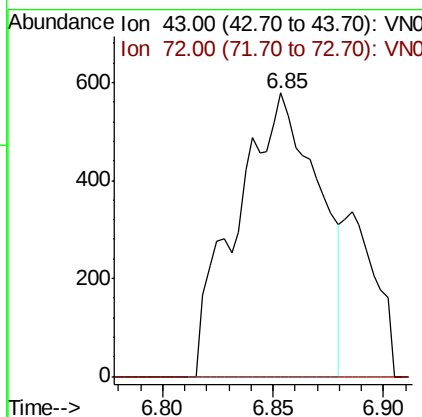
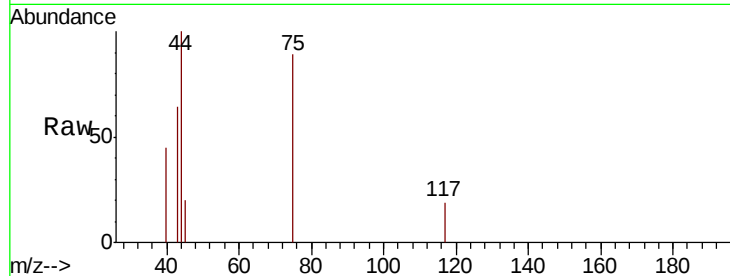




#25
2-Butanone
Concen: 0.58 ug/l
RT: 6.85 min Scan# 1580
Delta R.T. 0.02 min
Lab File: VN051154.D
Acq: 12 Sep 2018 17:26

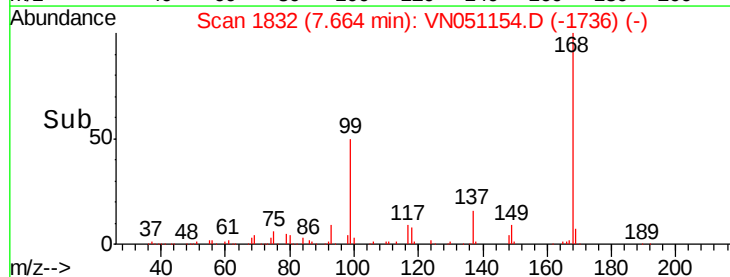
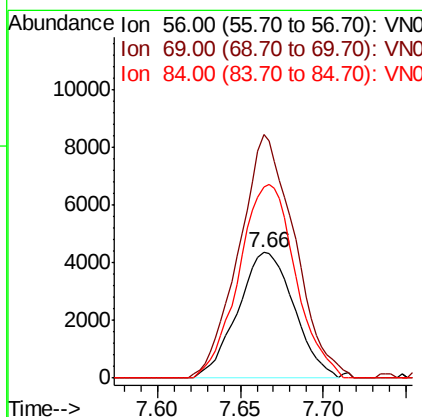
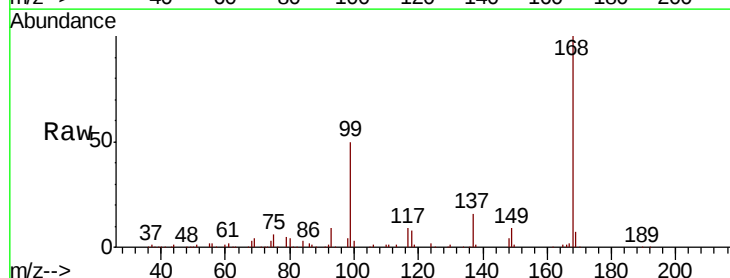
Instrument :
MSVOA_N
ClientSampleId :
SV30518L

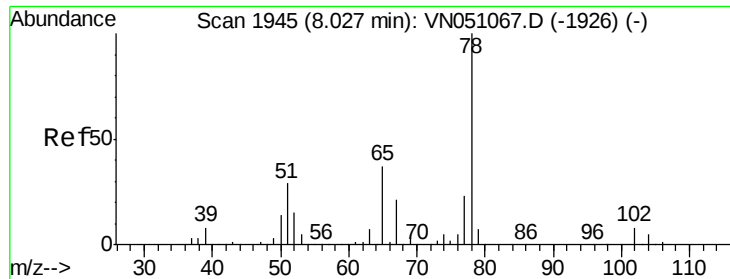
Tot Ion: 43 Resp: 1490
Ion Ratio Lower Upper
43 100
72 0.0 23.0 34.6#



#31
Cyclohexane
Concen: 0.74 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN051154.D
Acq: 12 Sep 2018 17:26

Tgt Ion: 56 Resp: 10279
Ion Ratio Lower Upper
56 100
69 193.6 26.3 39.5#
84 152.3 69.4 104.0#

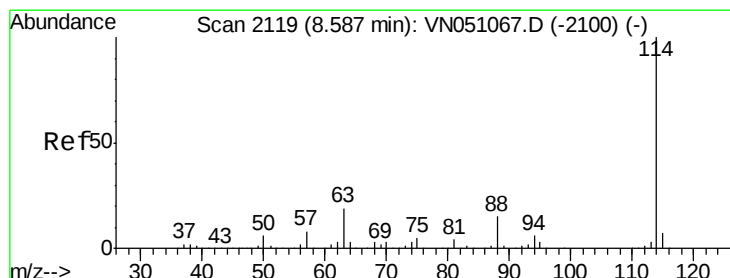
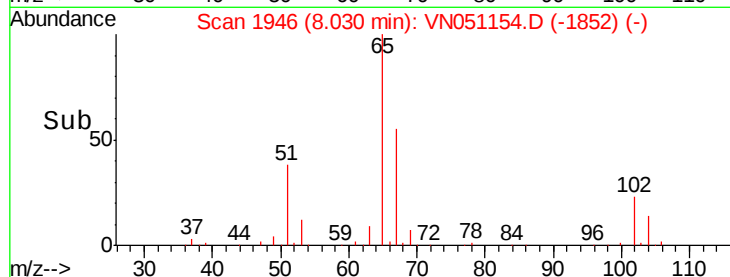
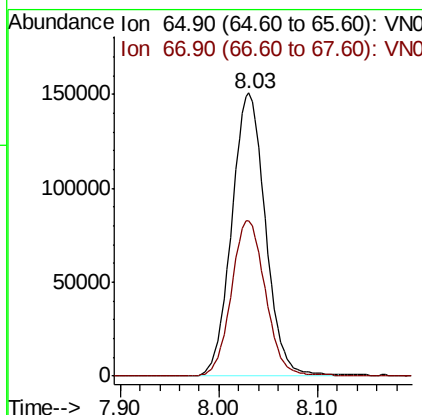
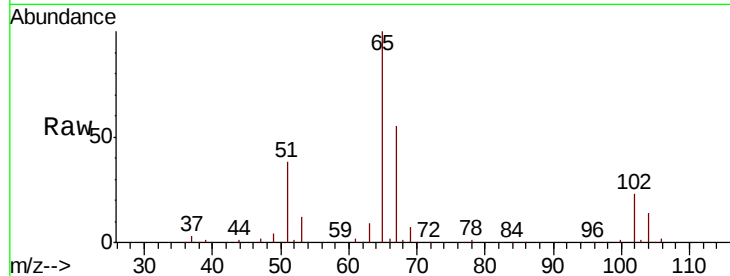




#33
 1,2-Dichloroethane-d4
 Concen: 55.10 ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN051154.D
 Acq: 12 Sep 2018 17:26

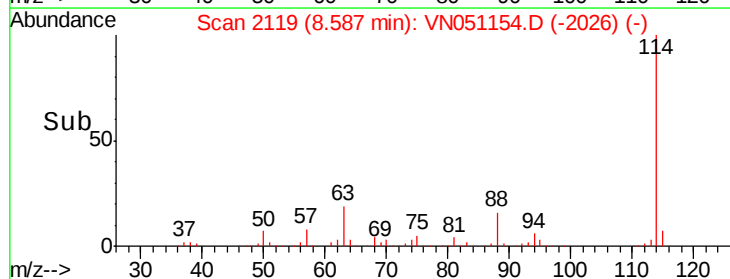
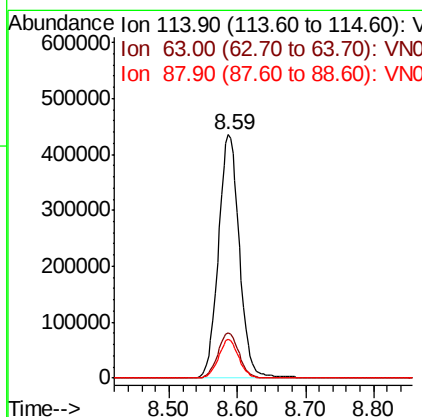
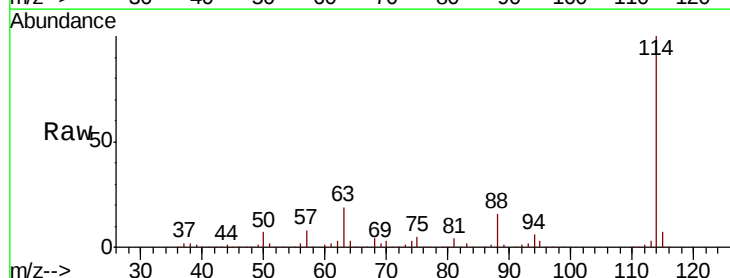
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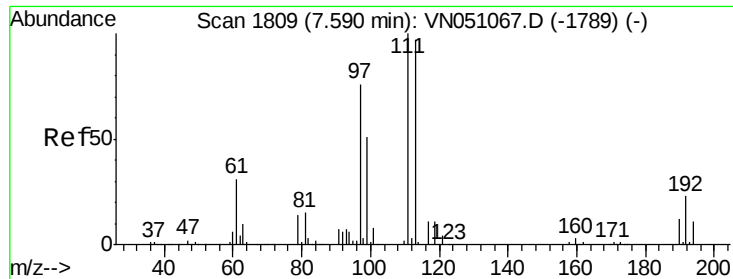
Tot Ion: 65 Resp: 358517
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051154.D
 Acq: 12 Sep 2018 17:26

Tgt Ion: 114 Resp: 925776
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 37.8
 88 15.8 0.0 30.8

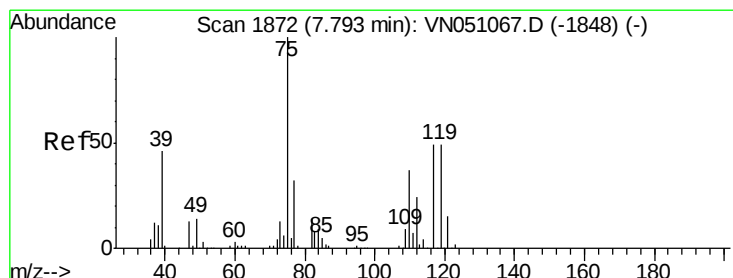
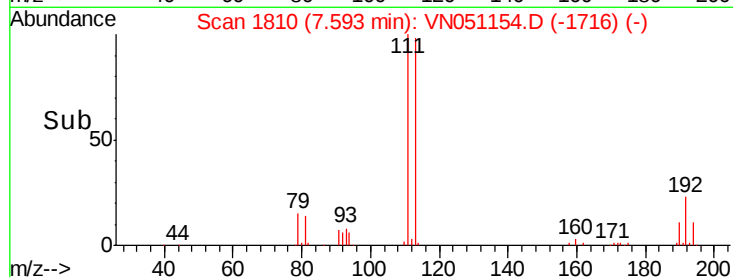
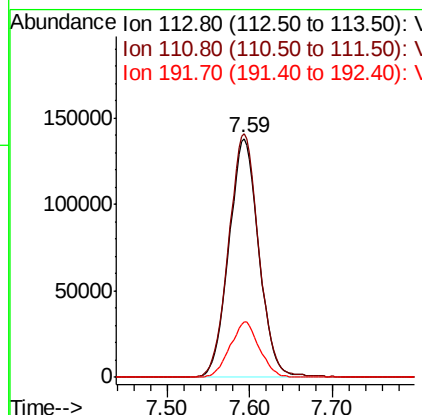
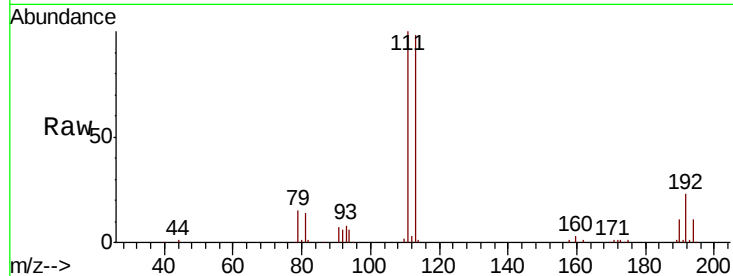




#35
 Dibromofluoromethane
 Concen: 49.99 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN051154.D
 Acq: 12 Sep 2018 17:26

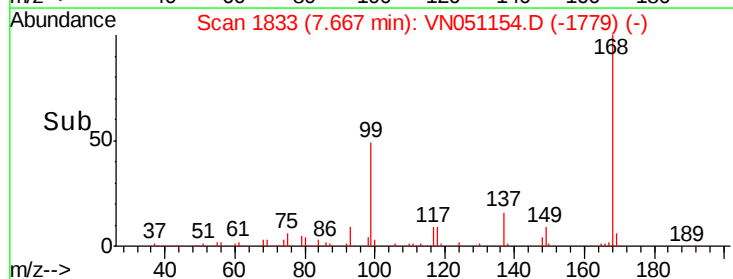
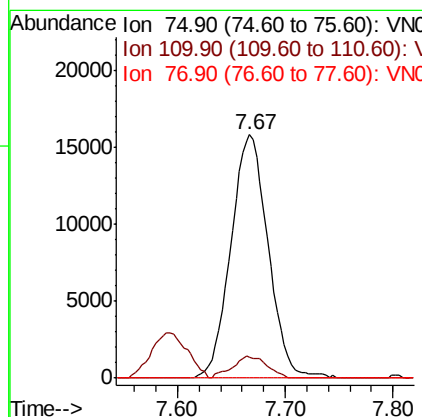
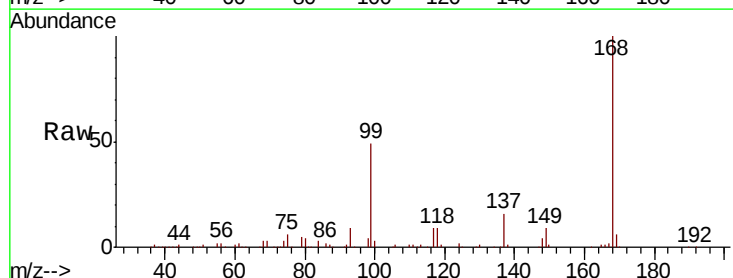
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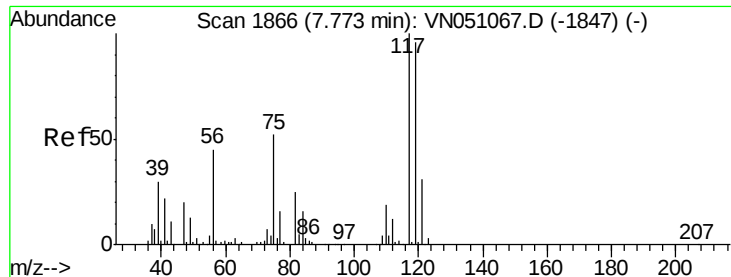
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	83.0	124.6
192	22.9	18.7	28.1



#36
 1,1-Dichloropropene
 Concen: 3.76 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN051154.D
 Acq: 12 Sep 2018 17:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.2	18.6	55.8#
77	0.0	25.2	37.8#





#38

Carbon Tetrachloride

Concen: 5.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051154.D

Acq: 12 Sep 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

SV30518L

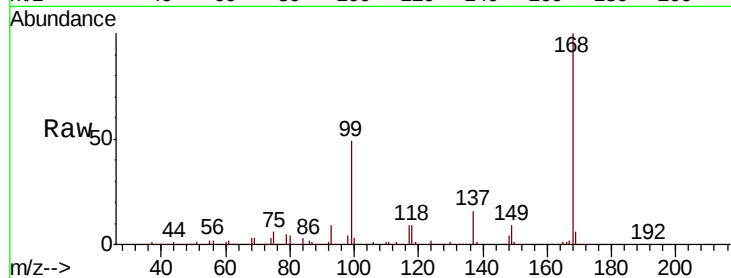
Tot Ion:117 Resp: 50049

Ion Ratio Lower Upper

117 100

119 6.0 76.8 115.2#

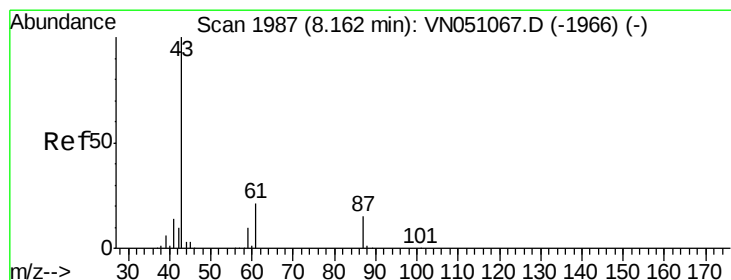
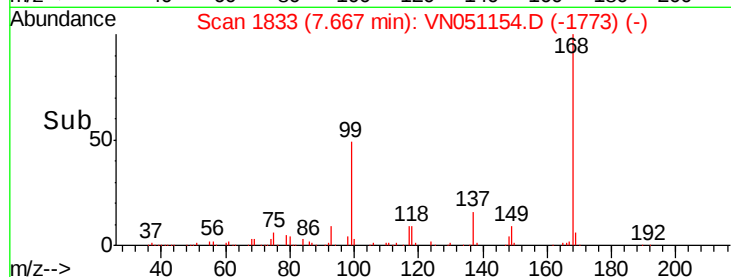
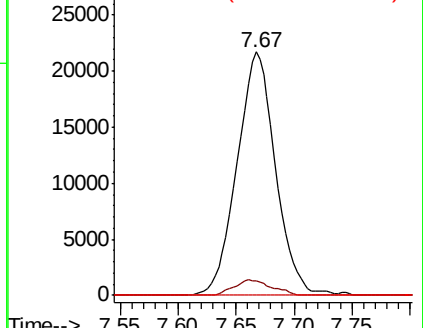
121 0.0 24.6 36.8#



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



#43

Isopropyl Acetate

Concen: 6.91 ug/l

RT: 8.27 min Scan# 2019

Delta R.T. 0.10 min

Lab File: VN051154.D

Acq: 12 Sep 2018 17:26

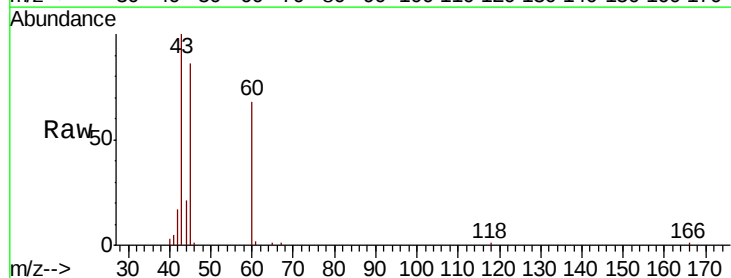
Tgt Ion: 43 Resp: 71760

Ion Ratio Lower Upper

43 100

61 0.3 25.0 37.6#

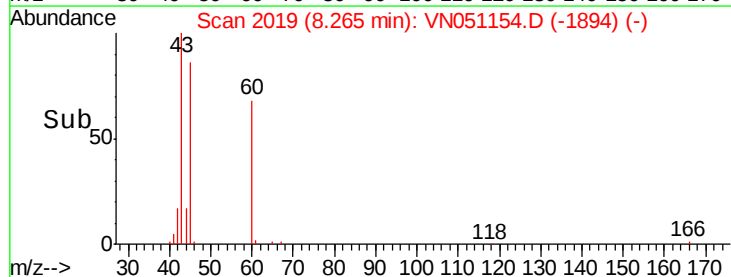
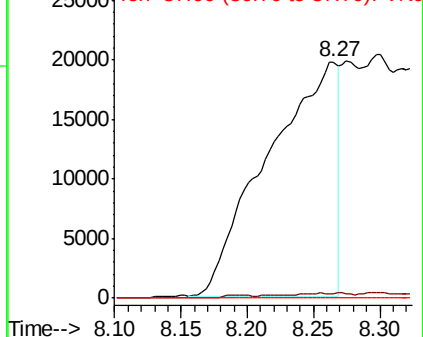
87 0.0 11.8 17.8#

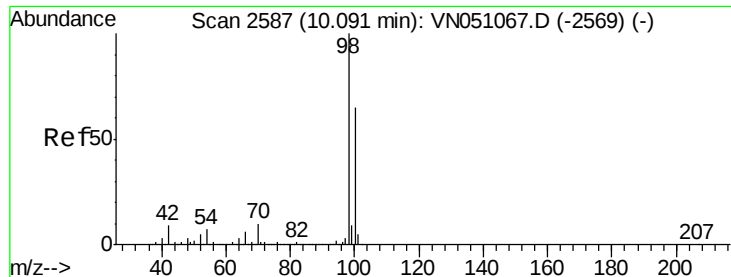


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 48.51 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051154.D

Acq: 12 Sep 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

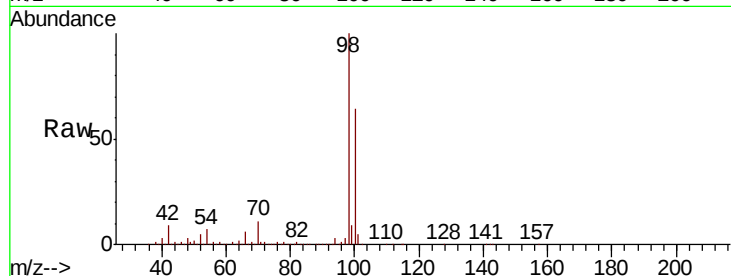
SV30518L

Tot Ion: 98 Resp: 1280540

Ion Ratio Lower Upper

98 100

100 63.7 52.0 78.0



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

Ion 100.00 (99.70 to 100.70): VN051154.D (-2494) (-)

800000

600000

400000

200000

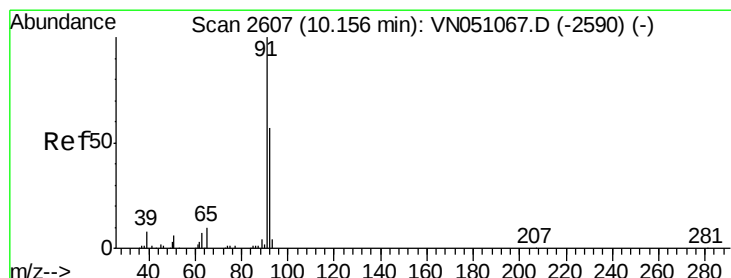
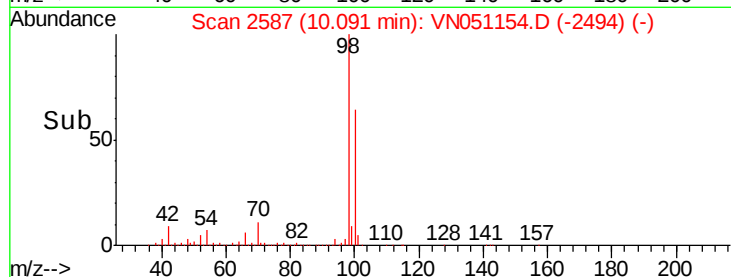
0

10.09

10.10

10.20

Time-->



#52

Toluene

Concen: 0.40 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN051154.D

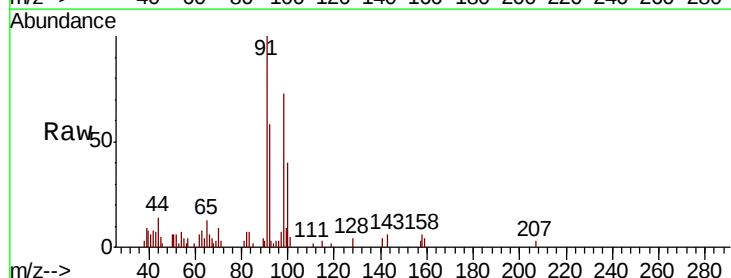
Acq: 12 Sep 2018 17:26

Tgt Ion: 92 Resp: 7499

Ion Ratio Lower Upper

92 100

91 191.1 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN051067.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN051154.D (-2514) (-)

8000

6000

4000

2000

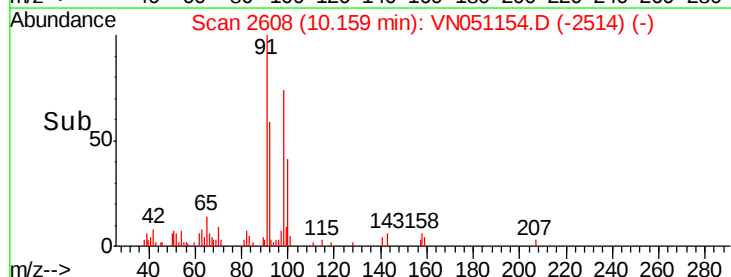
0

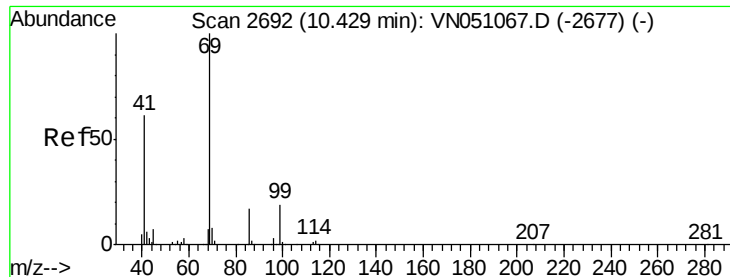
10.16

10.17

10.20

Time-->





#56

Ethyl methacrylate

Concen: 2.47 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN051154.D

Acq: 12 Sep 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

SV30518L

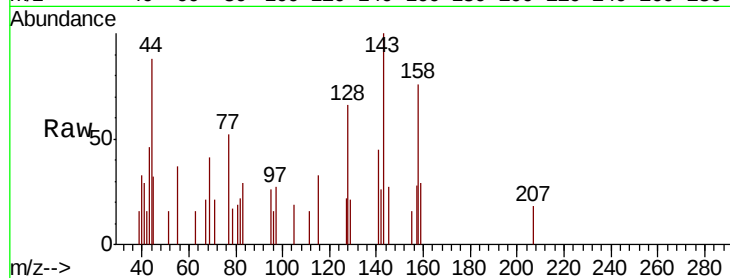
Tot Ion: 69 Resp: 130

Ion Ratio Lower Upper

69 100

41 90.8 47.8 71.8#

39 100.8 23.0 34.4#

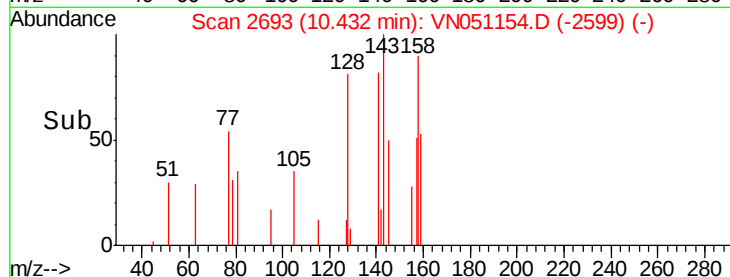


Abundance Ion 69.00 (68.70 to 69.70): VN051067.D (-2677) (-)

Ion 41.00 (40.70 to 41.70): VN051067.D (-2677) (-)

Ion 39.00 (38.70 to 39.70): VN051067.D (-2677) (-)

Time-->

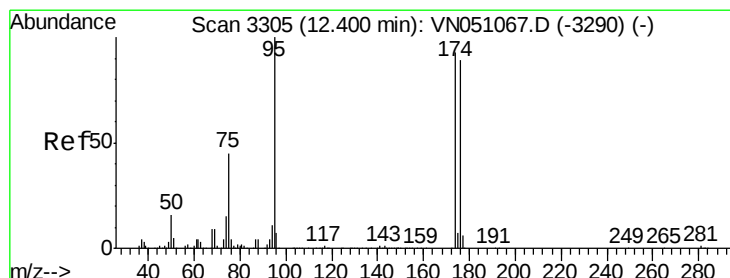


Abundance Ion 69.00 (68.70 to 69.70): VN051154.D (-2599) (-)

Ion 41.00 (40.70 to 41.70): VN051154.D (-2599) (-)

Ion 39.00 (38.70 to 39.70): VN051154.D (-2599) (-)

Time-->



#62

4-Bromofluorobenzene

Concen: 43.87 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN051154.D

Acq: 12 Sep 2018 17:26

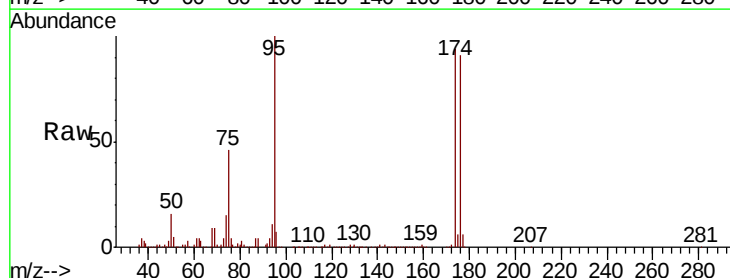
Tgt Ion: 95 Resp: 383041

Ion Ratio Lower Upper

95 100

174 92.9 0.0 184.8

176 90.3 0.0 178.6

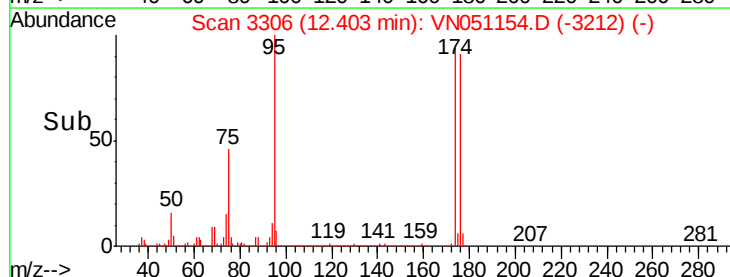


Abundance Ion 94.90 (94.60 to 95.60): VN051067.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN051067.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN051067.D (-3290) (-)

Time-->

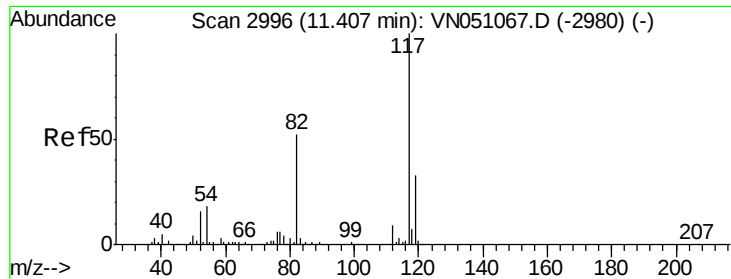


Abundance Ion 94.90 (94.60 to 95.60): VN051154.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN051154.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN051154.D (-3212) (-)

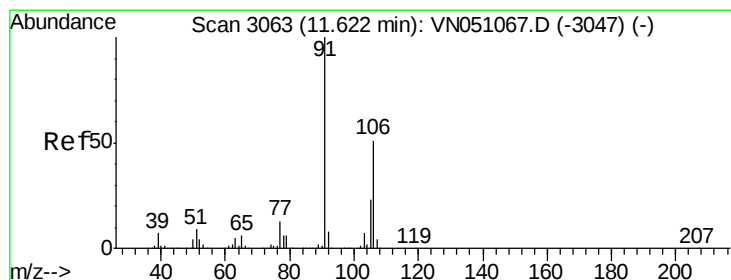
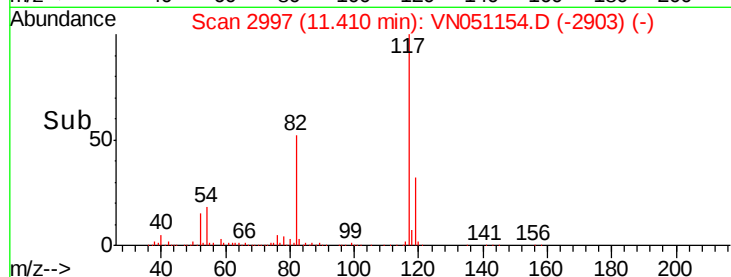
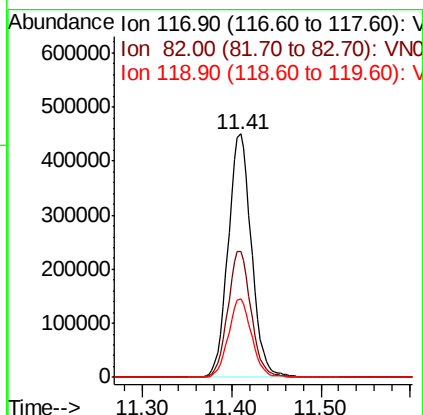
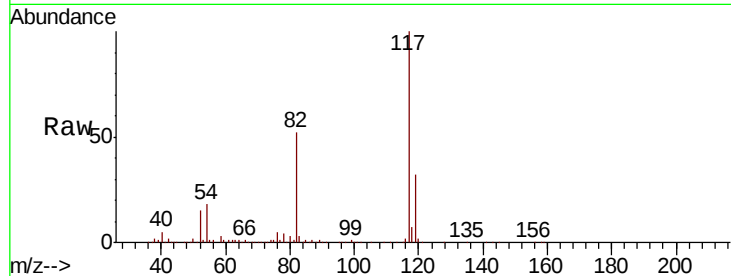
Time-->



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051154.D
Acq: 12 Sep 2018 17:26

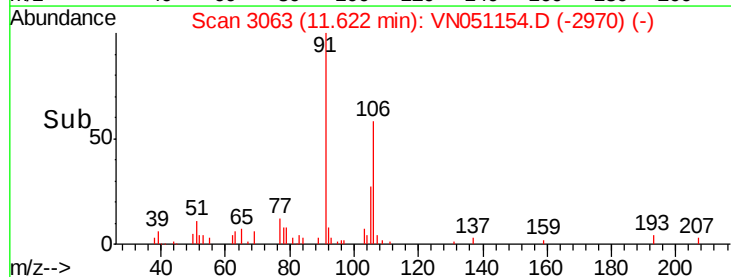
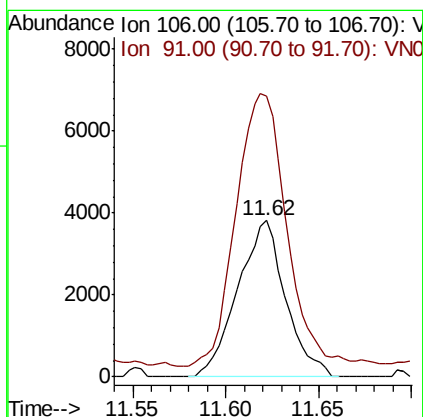
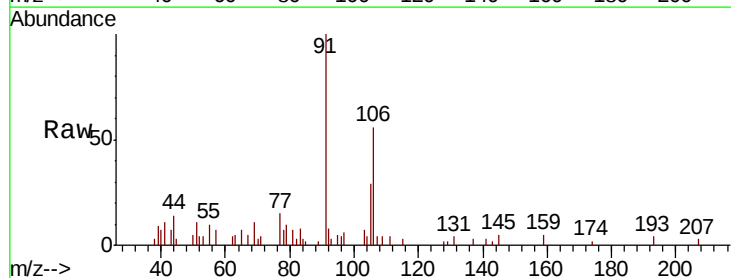
Instrument :
MSVOA_N
ClientSampleId :
SV30518L

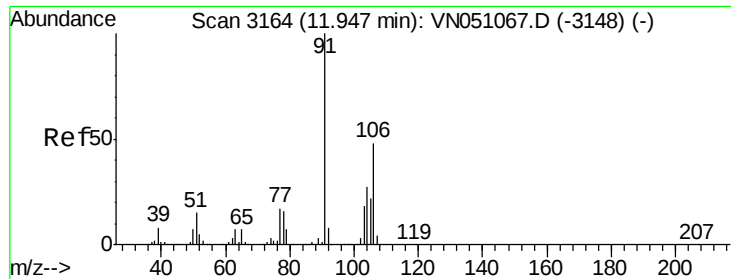
Tot Ion:117 Resp: 813452
Ion Ratio Lower Upper
117 100
82 51.6 41.8 62.6
119 32.1 26.2 39.2



#68
m/p-Xylenes
Concen: 0.54 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. -0.00 min
Lab File: VN051154.D
Acq: 12 Sep 2018 17:26

Tgt Ion:106 Resp: 6842
Ion Ratio Lower Upper
106 100
91 184.8 159.8 239.6

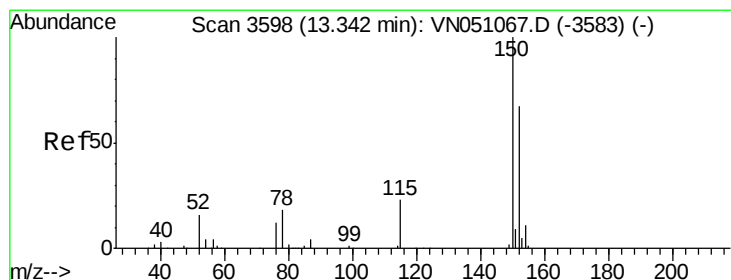
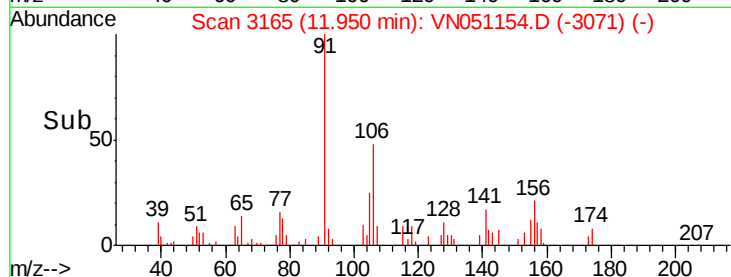
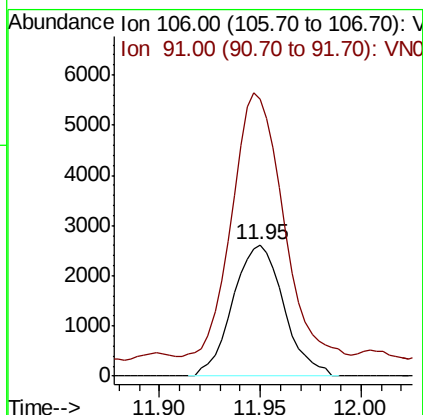
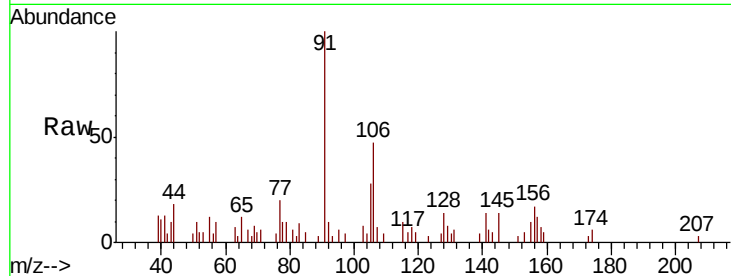




#69
o-Xylene
Concen: 0.37 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051154.D
Acq: 12 Sep 2018 17:26

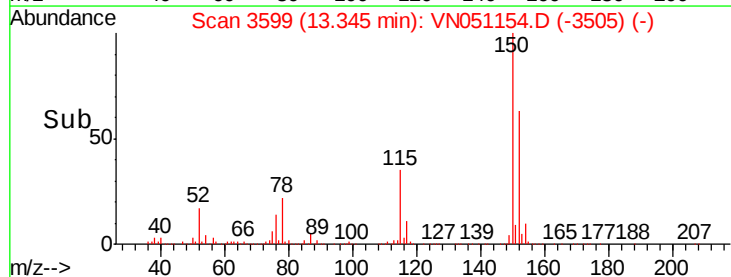
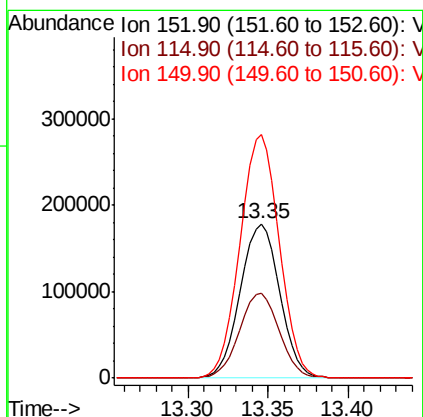
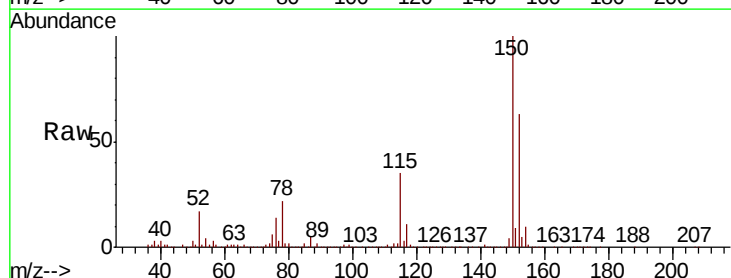
Instrument :
MSVOA_N
ClientSampled :
SV30518L

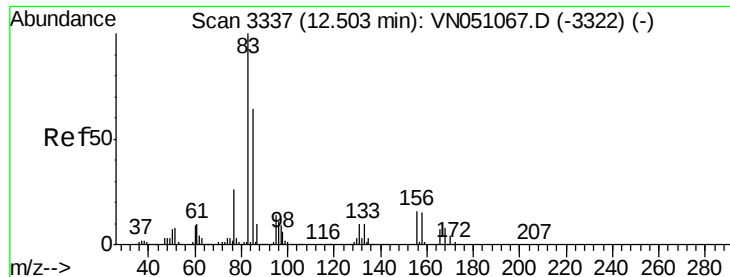
Tot Ion:106 Resp: 4608
Ion Ratio Lower Upper
106 100
91 200.6 105.1 315.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051154.D
Acq: 12 Sep 2018 17:26

Tgt Ion:152 Resp: 300342
Ion Ratio Lower Upper
152 100
115 54.8 28.2 84.7
150 156.9 0.0 349.0





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.49 min Scan# 3332

Delta R.T. -0.02 min

Lab File: VN051154.D

Acq: 12 Sep 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

SV30518L

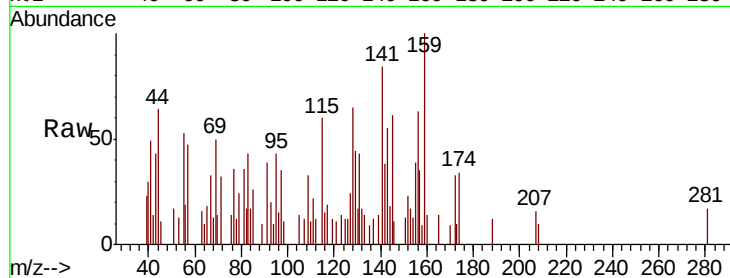
Tot Ion: 83 Resp: 97

Ion Ratio Lower Upper

83 100

131 437.1 5.3 16.1#

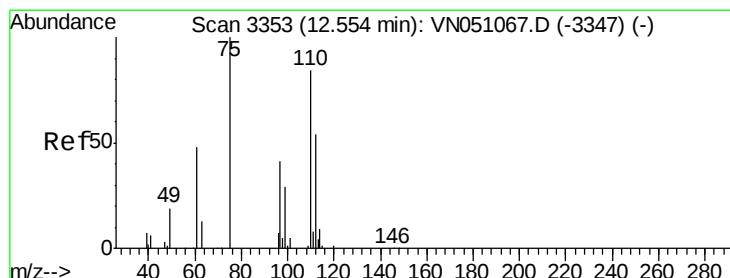
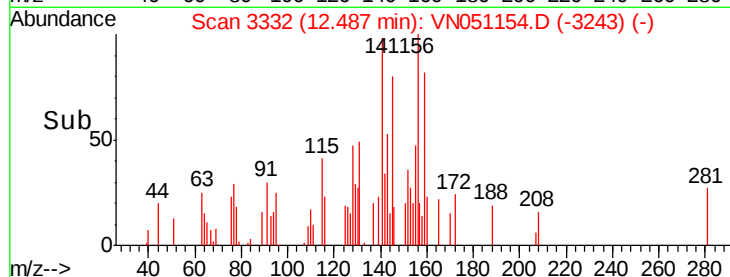
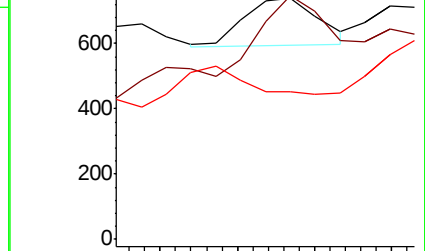
85 124.7 32.3 96.8#



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: 37.25 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051154.D

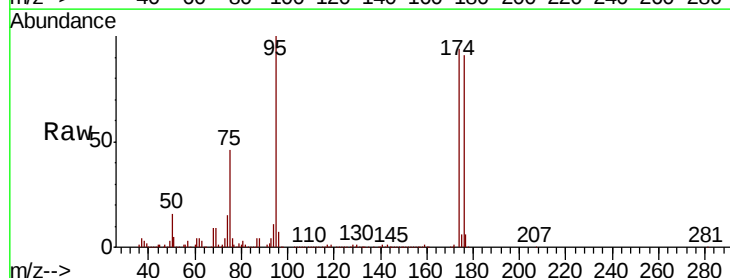
Acq: 12 Sep 2018 17:26

Tgt Ion: 75 Resp: 175219

Ion Ratio Lower Upper

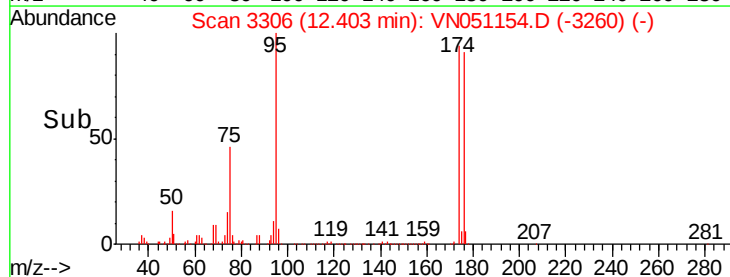
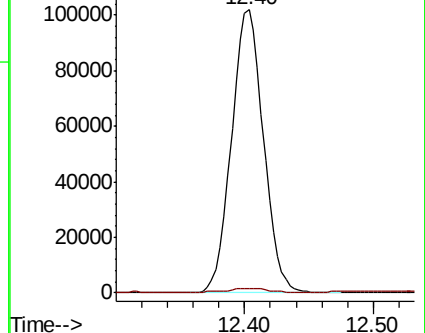
75 100

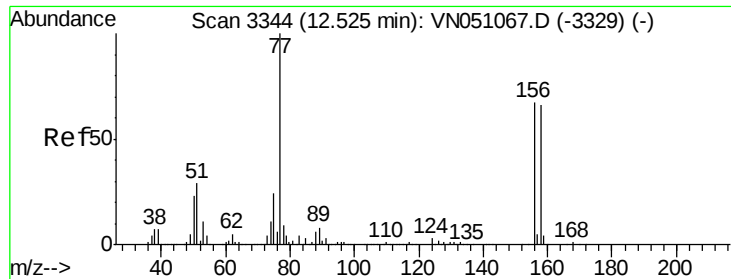
77 1.5 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.98 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN051154.D

Acq: 12 Sep 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

SV30518L

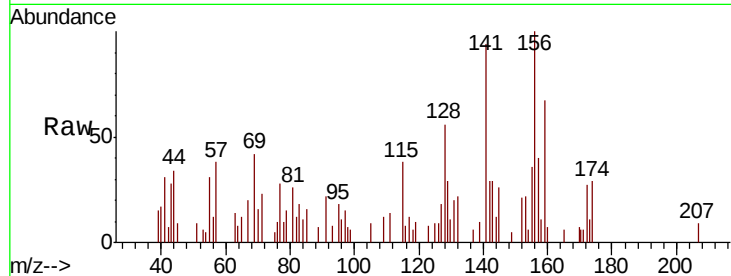
Tot Ion:156 Resp: 6618

Ion Ratio Lower Upper

156 100

77 12.7 87.5 262.6#

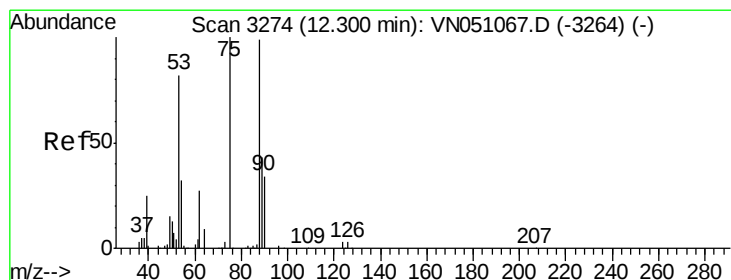
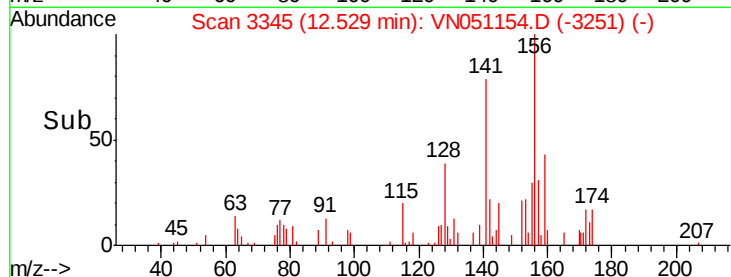
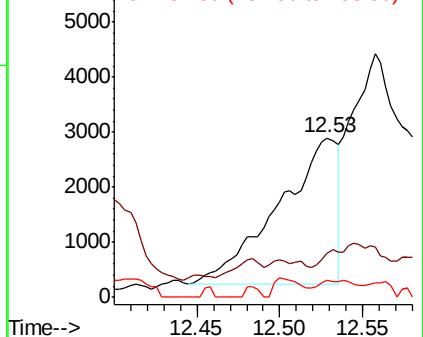
158 2.9 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 110.80 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051154.D

Acq: 12 Sep 2018 17:26

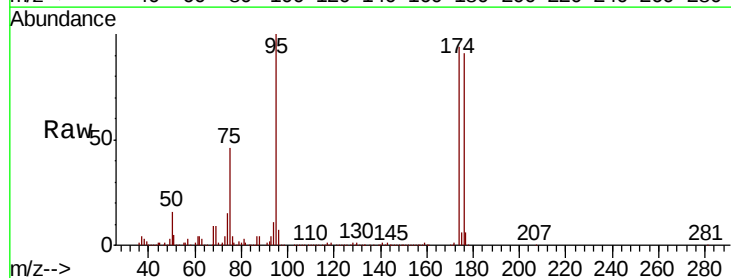
Tgt Ion: 75 Resp: 175219

Ion Ratio Lower Upper

75 100

53 0.1 67.8 101.8#

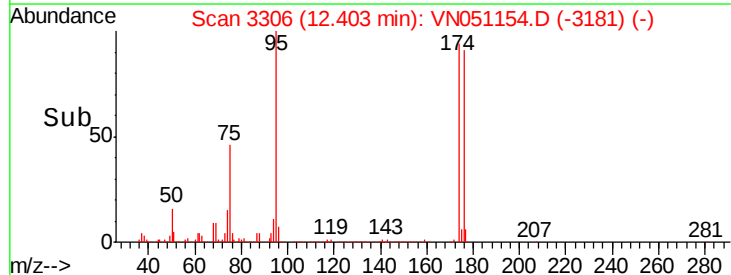
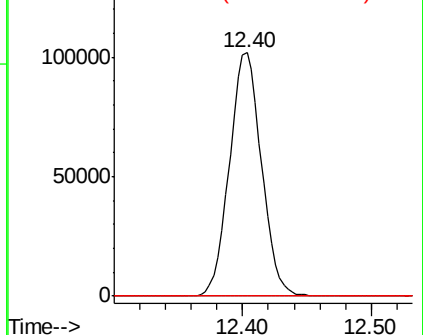
89 0.0 36.0 54.0#

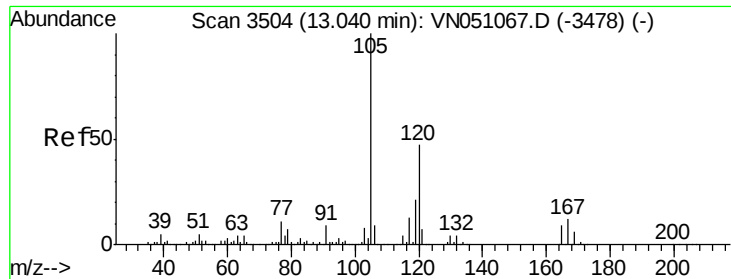


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#84

1,2,4-Trimethylbenzene

Concen: 0.27 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN051154.D

Acq: 12 Sep 2018 17:26

Instrument :

MSVOA_N

ClientSampled :

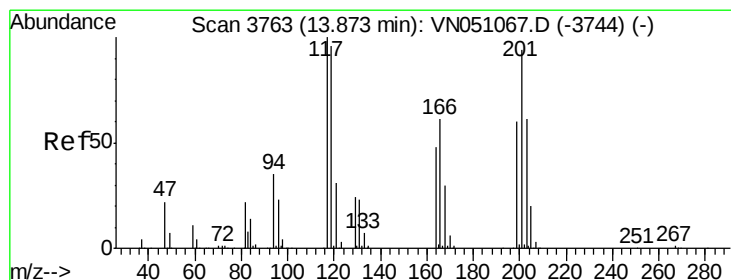
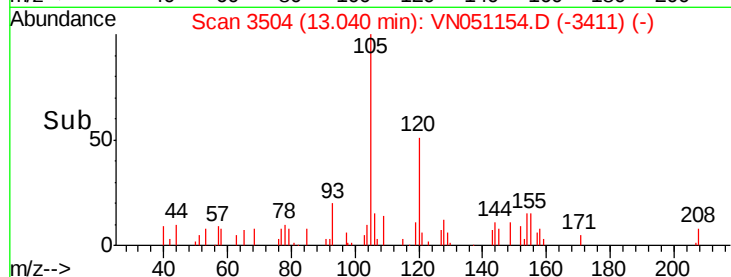
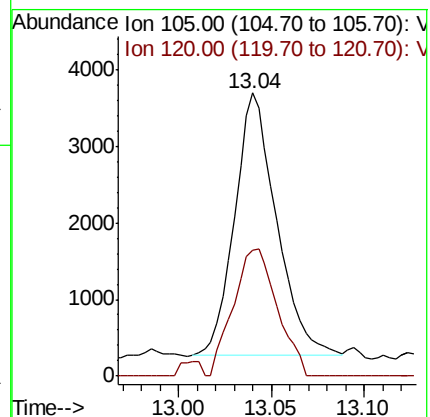
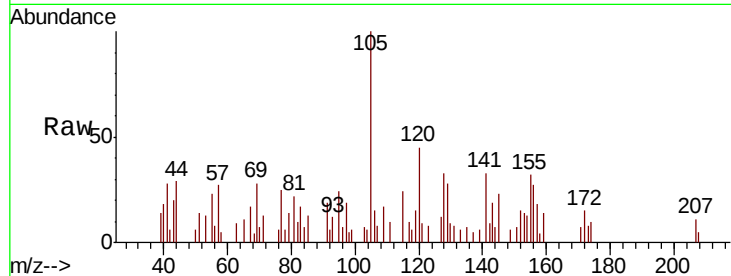
SV30518L

Tot Ion:105 Resp: 5356

Ion Ratio Lower Upper

105 100

120 51.2 23.3 69.8



#90

Hexachloroethane

Concen: Below Cal

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN051154.D

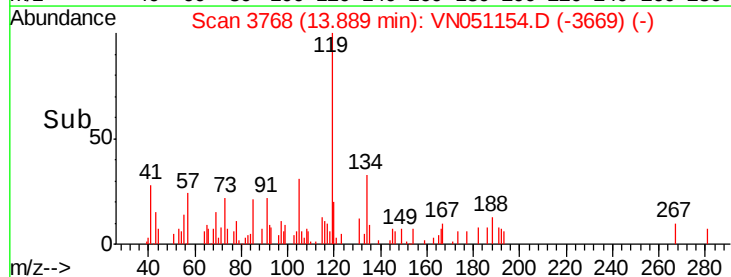
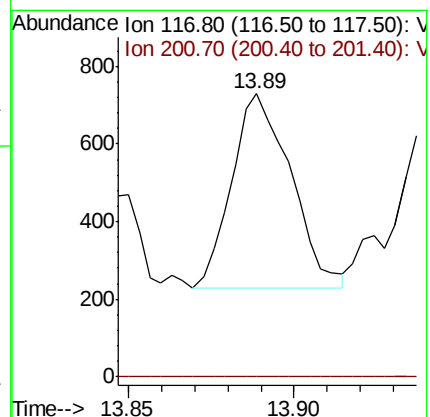
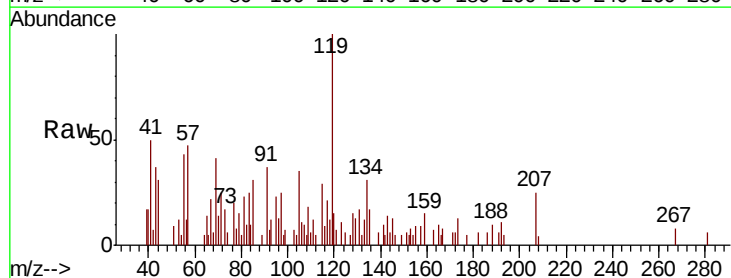
Acq: 12 Sep 2018 17:26

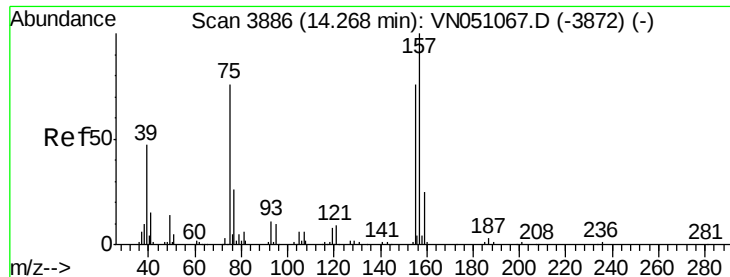
Tgt Ion:117 Resp: 618

Ion Ratio Lower Upper

117 100

201 0.0 47.3 142.0#

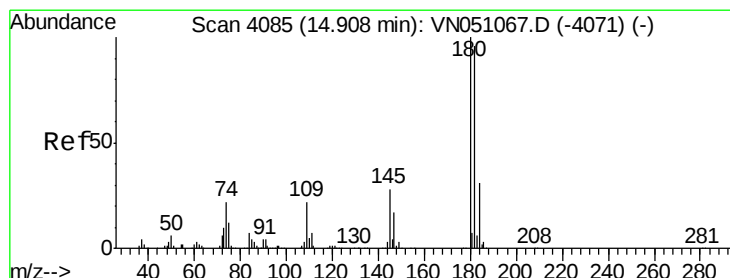
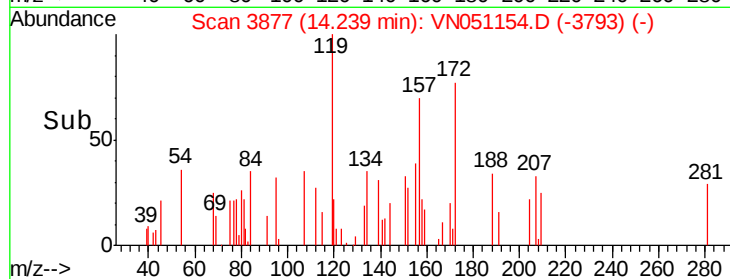
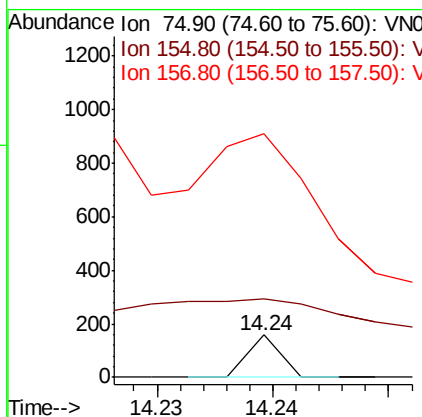
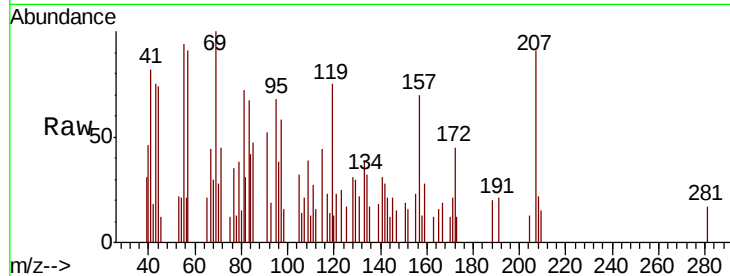




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.69 ug/l
 RT: 14.24 min Scan# 3877
 Delta R.T. -0.03 min
 Lab File: VN051154.D
 Acq: 12 Sep 2018 17:26

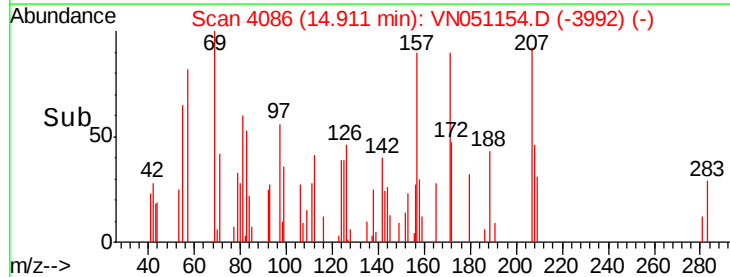
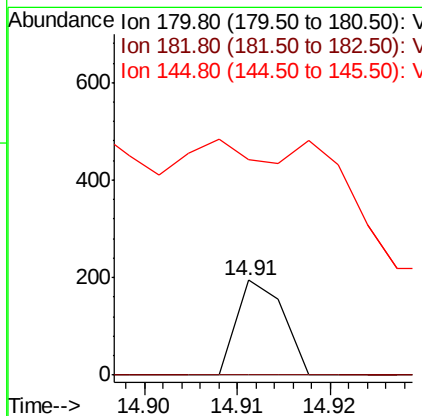
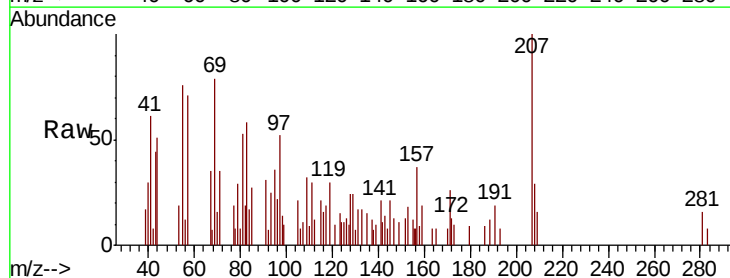
Instrument :
 MSVOA_N
 ClientSampled :
 SV30518L

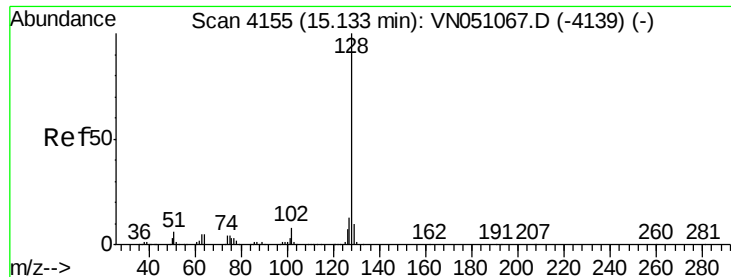
Tot Ion: 75 Resp: 30
 Ion Ratio Lower Upper
 75 100
 155 0.0 48.7 146.1#
 157 4086.7 63.6 190.9#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.99 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN051154.D
 Acq: 12 Sep 2018 17:26

Tgt Ion: 180 Resp: 68
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.3 141.8#
 145 177.9 14.2 42.6#





#95

Naphthalene

Concen: 5.78 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN051154.D

Acq: 12 Sep 2018 17:26

Instrument :

MSVOA_N

ClientSampleId :

SV30518L

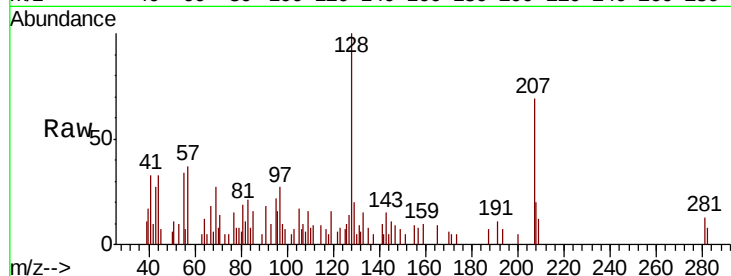
Tot Ion:128 Resp: 5525

Ion Ratio Lower Upper

128 100

127 21.8 10.6 15.8#

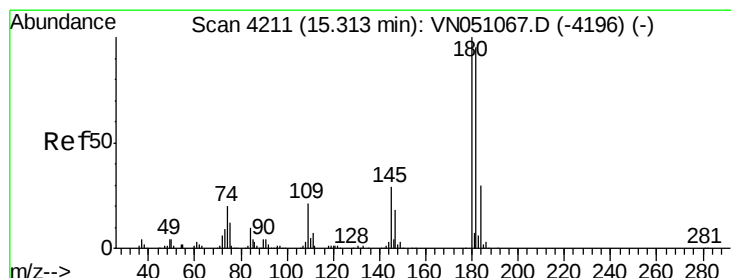
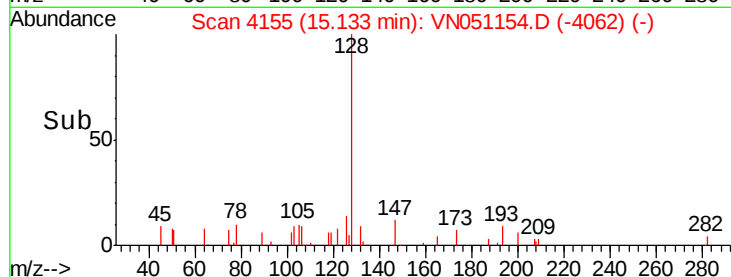
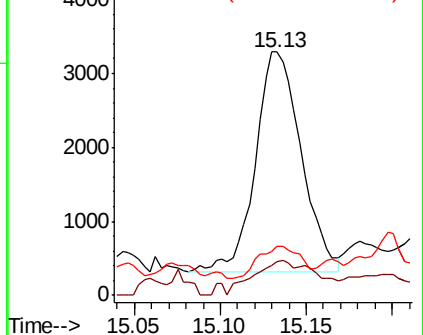
129 13.2 8.6 12.8#



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: 2.95 ug/l

RT: 15.39 min Scan# 4234

Delta R.T. 0.07 min

Lab File: VN051154.D

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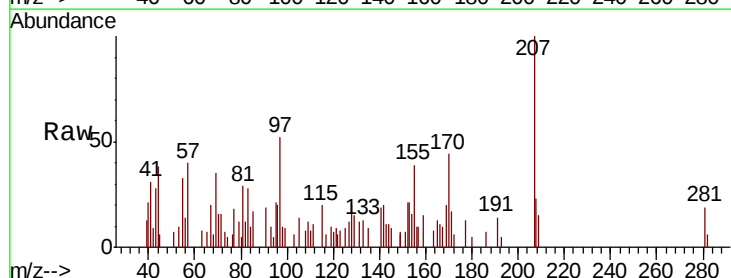
Tgt Ion:180 Resp: 29

Ion Ratio Lower Upper

180 100

182 0.0 47.8 143.3#

145 1017.2 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

