

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122118\
 Data File : VN053108.D
 Acq On : 21 Dec 2018 18:01
 Operator : MD\SY
 Sample : J6389-08ME 10X
 Misc : 5.86g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS013-1824-01ME

Quant Time: Dec 22 01:18:23 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1372870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2093879	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1949244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	806778	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	671311	48.18	ug/l	0.00
Spiked Amount			Recovery	=	96.36%	
35) Dibromofluoromethane	7.59	113	533937	55.82	ug/l	0.00
Spiked Amount			Recovery	=	111.64%	
50) Toluene-d8	10.09	98	2609684	50.82	ug/l	0.00
Spiked Amount			Recovery	=	101.64%	
62) 4-Bromofluorobenzene	12.40	95	900441	49.95	ug/l	0.00
Spiked Amount			Recovery	=	99.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	261	0.339	ug/l #	63
14) Allyl chloride	4.60	41	20431	1.008	ug/l #	49
16) Acetone	3.82	43	14330	5.246	ug/l	93
18) Methyl Acetate	4.33	43	9355	1.732	ug/l #	75
20) Methylene Chloride	4.55	84	2991	0.201	ug/l #	93
25) 2-Butanone	6.84	43	5461	1.191	ug/l #	81
31) Cyclohexane	7.66	56	45787	0.866	ug/l #	41
36) 1,1-Dichloropropene	7.67	75	87700	4.364	ug/l #	49
38) Carbon Tetrachloride	7.67	117	116983	6.350	ug/l #	16
39) Methylcyclohexane	9.08	83	51230	2.098	ug/l	97
43) Isopropyl Acetate	8.33	43	179529	7.378	ug/l #	53
48) Methyl methacrylate	9.14	41	2545	0.234	ug/l #	20
51) 4-Methyl-2-Pentanone	10.09	43	11933	1.098	ug/l #	1
52) Toluene	10.16	92	9501325	256.423	ug/l	97
53) t-1,3-Dichloropropene	10.16	75	100494	4.956	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	16390	1.268	ug/l #	20
56) Ethyl methacrylate	10.44	69	6977	0.408	ug/l #	42
59) 2-Hexanone	10.72	43	27324	3.717	ug/l #	29
60) Dibromochloromethane	10.63	129	13921	0.941	ug/l #	11
64) Tetrachloroethene	10.63	164	16374	0.775	ug/l	93
65) Chlorobenzene	11.43	112	9753	0.226	ug/l	98
67) Ethyl Benzene	11.51	91	3551026	47.788	ug/l	100
68) m/p-Xylenes	11.62	106	11767155	416.553	ug/l #	1
69) o-Xylene	11.95	106	3873440	142.894	ug/l	99
70) Styrene	11.95	104	197852	4.476	ug/l #	1
73) Isopropylbenzene	12.25	105	140833	2.231	ug/l	100
74) N-amyl acetate	12.05	43	40245	2.296	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.56	83	18362	1.483	ug/l #	63
76) 1,2,3-Trichloropropane	12.41	75	845494	62.254	ug/l #	100
77) Bromobenzene	12.53	156	9562	0.583	ug/l #	1
78) n-propylbenzene	12.59	91	208159	2.895	ug/l	99
79) 2-Chlorotoluene	12.66	91	55957	1.256	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.73	105	334344	6.498	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.41	75	845494	200.653	ug/l #	23

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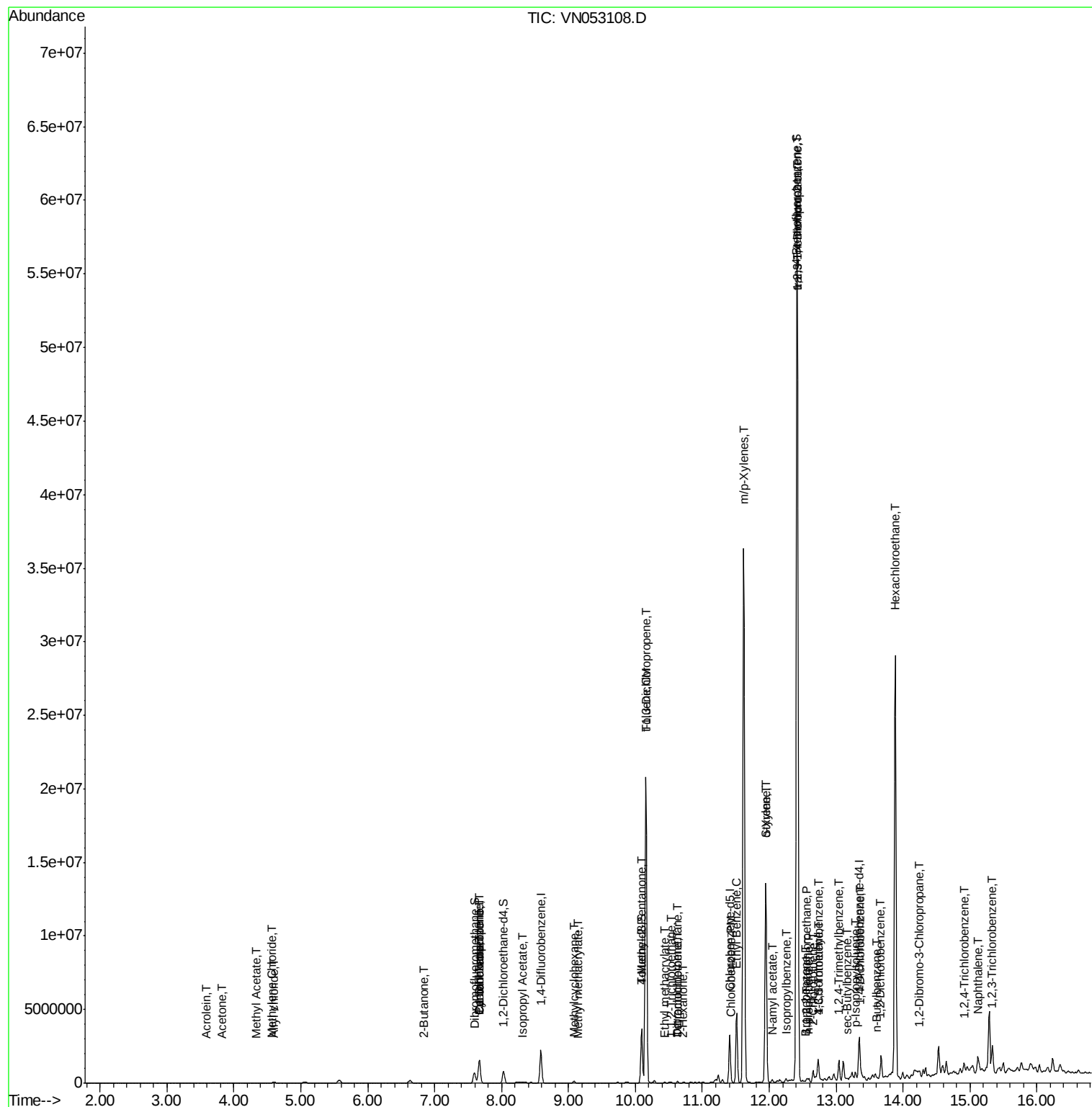
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.73	91	31834	0.730	ug/l #	47
84) 1,2,4-Trimethylbenzene	13.04	105	800104	15.469	ug/l	100
85) sec-Butylbenzene	13.17	105	38458	0.625	ug/l #	65
86) p-Isopropyltoluene	13.29	119	205135	3.857	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	11670	0.397	ug/l #	1
89) n-Butylbenzene	13.62	91	34626	0.757	ug/l #	63
90) Hexachloroethane	13.89	117	53492	6.554	ug/l #	16
91) 1,2-Dichlorobenzene	13.65	146	9181	0.336	ug/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1296	0.605	ug/l #	5
93) 1,2,4-Trichlorobenzene	14.91	180	208935	14.853	ug/l #	91
94) Hexachlorobutadiene	15.01	225	231	Below Cal	#	38
95) Naphthalene	15.14	128	429732	14.383	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	78711	6.483	ug/l #	45

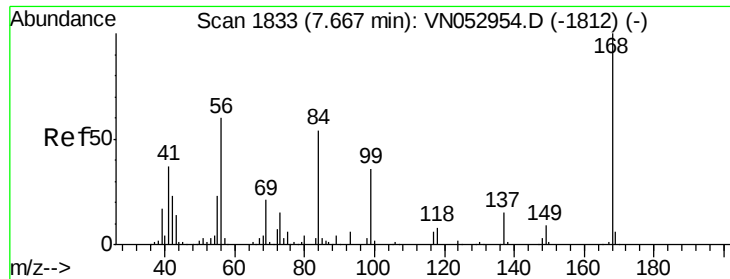
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

Instrument :

MSVOA_N

ClientSampleId :

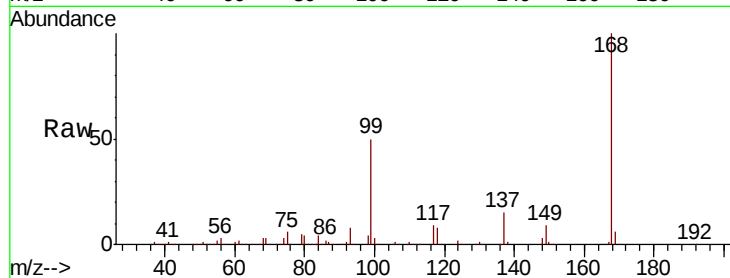
P001-SS013-1824-01ME

Tot Ion:168 Resp: 1372870

Ion Ratio Lower Upper

168 100

99 49.6 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053108.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053108.D (-1740) (-)

7.67

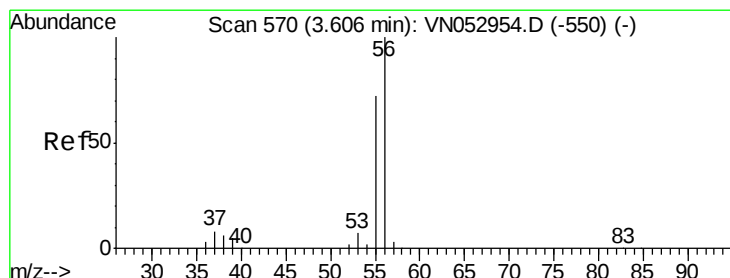
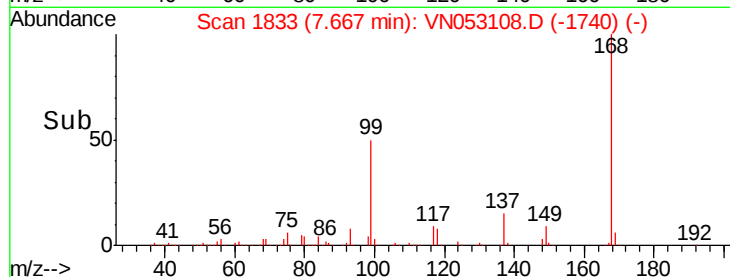
600000

400000

200000

0

Time-->



#13

Acrolein

Concen: 0.339 ug/l

RT: 3.60 min Scan# 568

Delta R.T. -0.01 min

Lab File: VN053108.D

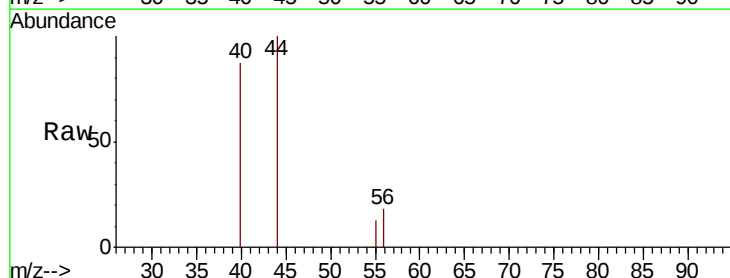
Acq: 21 Dec 2018 18:01

Tgt Ion: 56 Resp: 261

Ion Ratio Lower Upper

56 100

55 40.2 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN053108.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN053108.D (-477) (-)

3.60

250

200

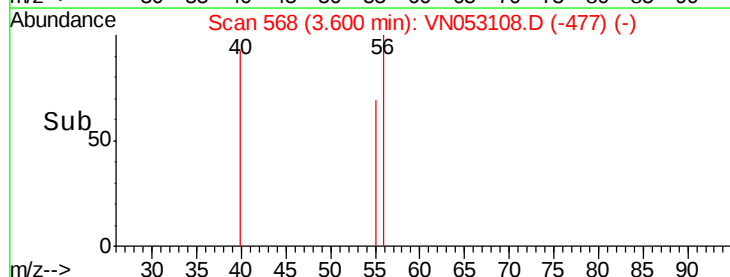
150

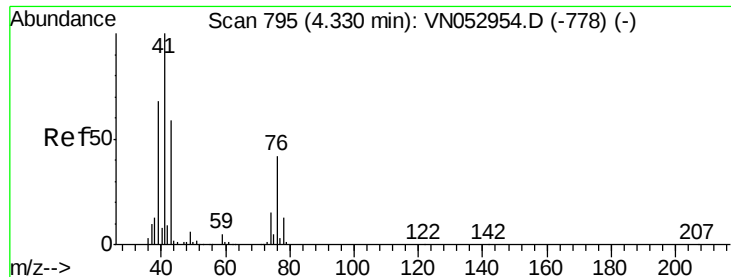
100

50

0

Time-->

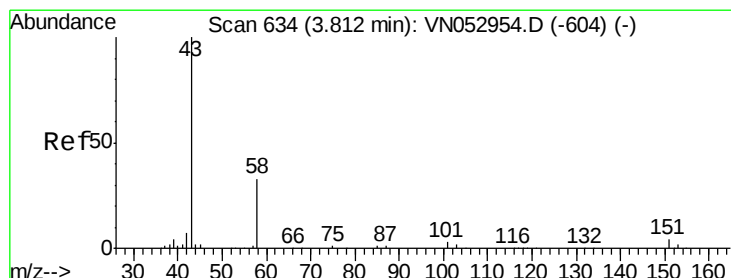
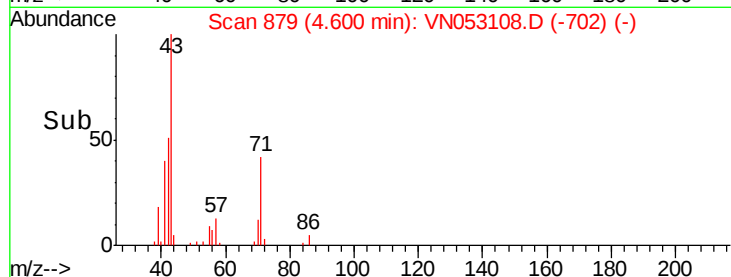
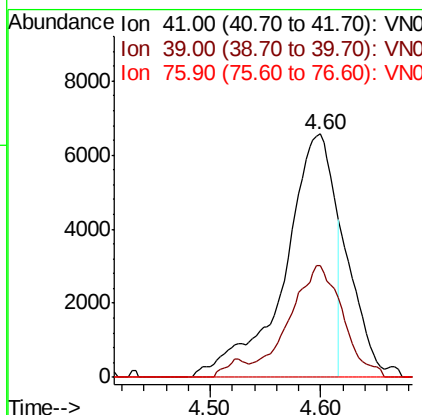
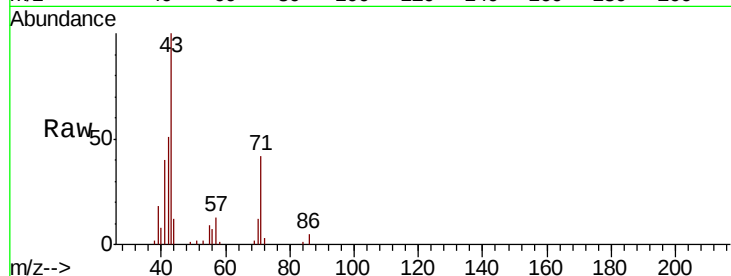




#14
Allvl chloride
Concen: 1.008 ug/l
RT: 4.60 min Scan# 879
Delta R.T. 0.27 min
Lab File: VN053108.D
Acq: 21 Dec 2018 18:01

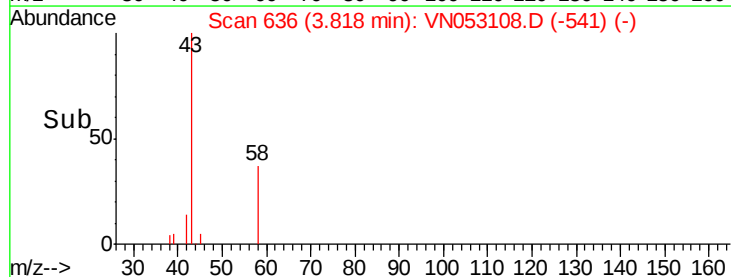
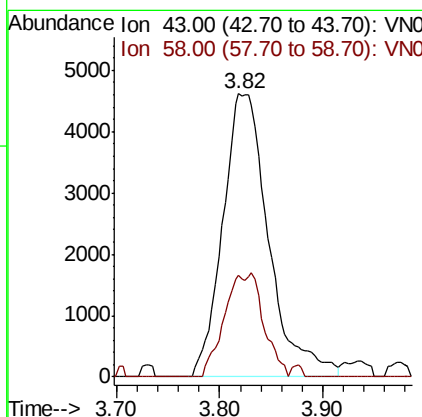
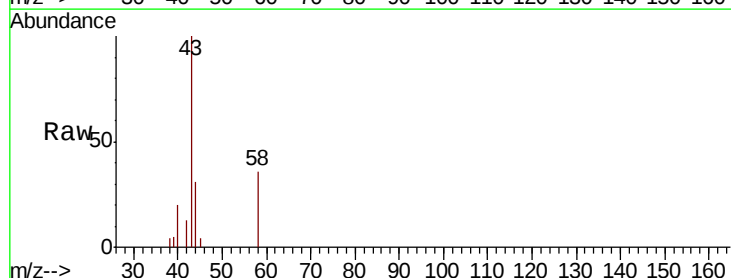
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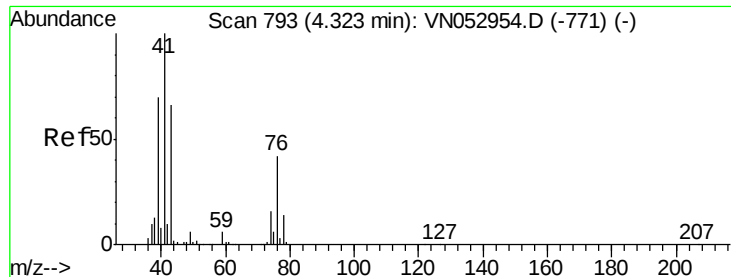
Tot Ion: 41 Resp: 20431
Ion Ratio Lower Upper
41 100
39 32.3 54.1 81.1#
76 0.0 30.3 45.5#



#16
Acetone
Concen: 5.246 ug/l
RT: 3.82 min Scan# 636
Delta R.T. 0.01 min
Lab File: VN053108.D
Acq: 21 Dec 2018 18:01

Tgt Ion: 43 Resp: 14330
Ion Ratio Lower Upper
43 100
58 35.7 25.4 38.0

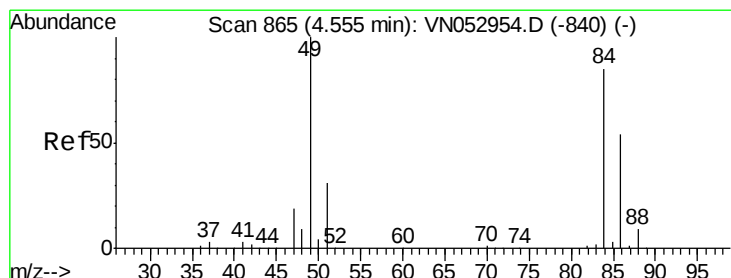
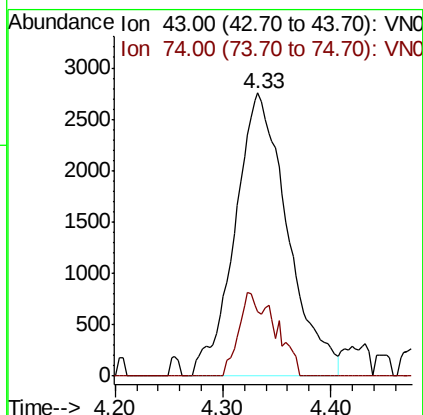
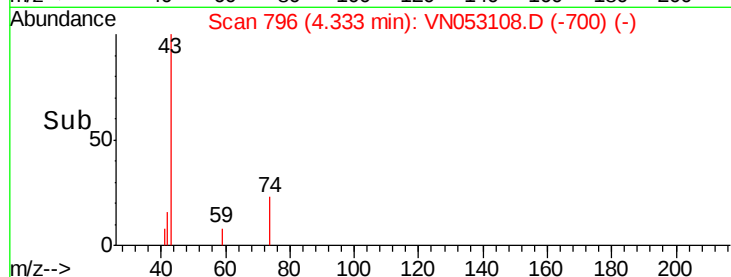
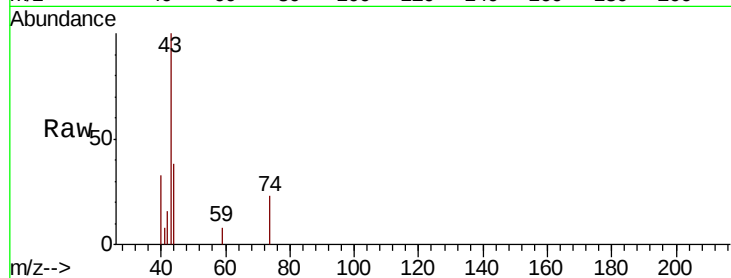




#18
Methyl Acetate
Concen: 1.732 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN053108.D
Acq: 21 Dec 2018 18:01

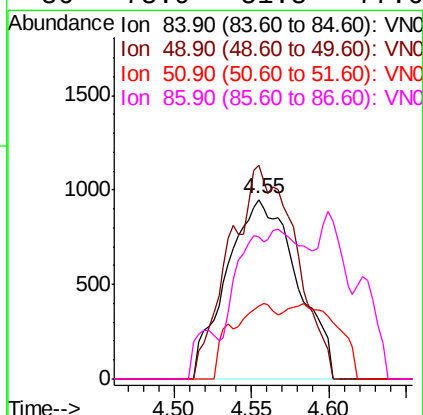
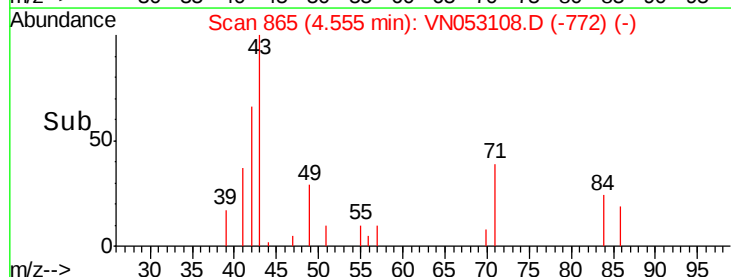
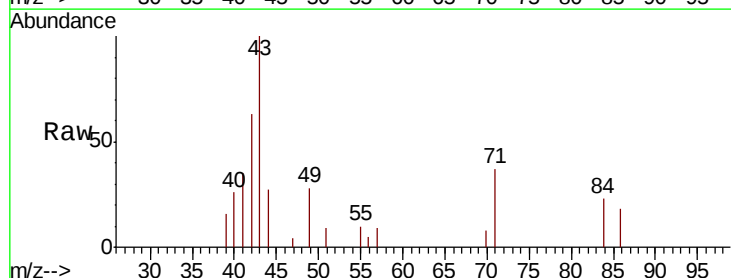
Instrument :
MSVOA_N
ClientSampleId :
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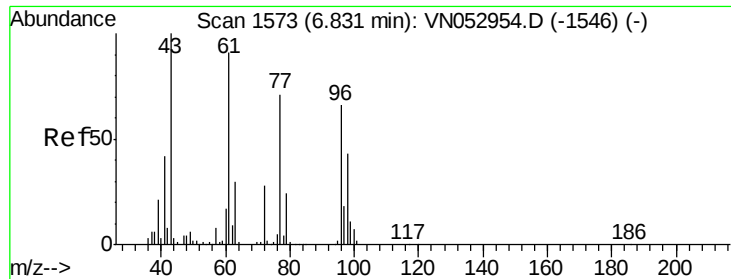
Tot Ion: 43 Resp: 9355
Ion Ratio Lower Upper
43 100
74 11.8 19.2 28.8#



#20
Methylene Chloride
Concen: 0.201 ug/l
RT: 4.55 min Scan# 865
Delta R.T. -0.00 min
Lab File: VN053108.D
Acq: 21 Dec 2018 18:01

Tgt Ion: 84 Resp: 2991
Ion Ratio Lower Upper
84 100
49 119.1 96.8 145.2
51 40.7 29.9 44.9
86 78.9 51.8 77.6#

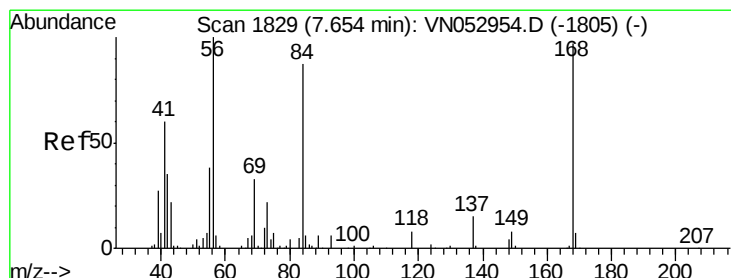
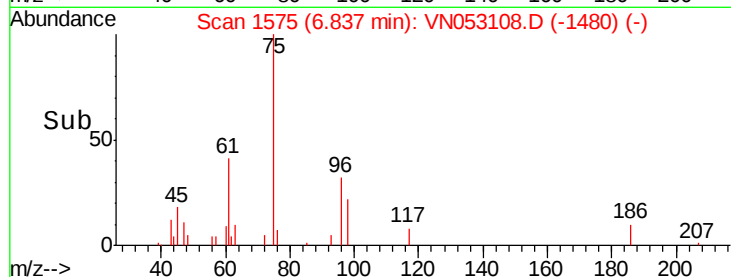
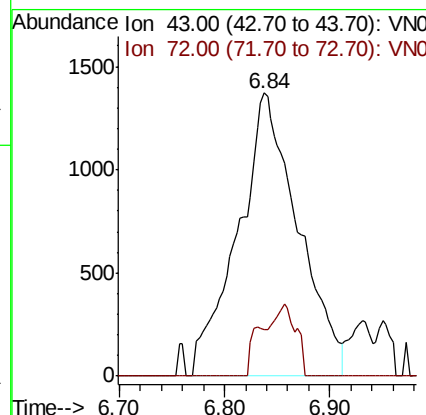
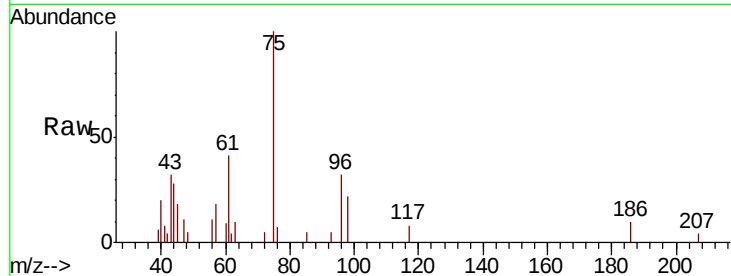




#25
2-Butanone
Concen: 1.191 ug/l
RT: 6.84 min Scan# 1575
Delta R.T. 0.01 min
Lab File: VN053108.D
Acq: 21 Dec 2018 18:01

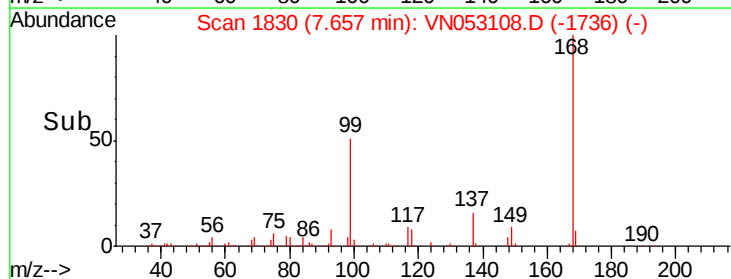
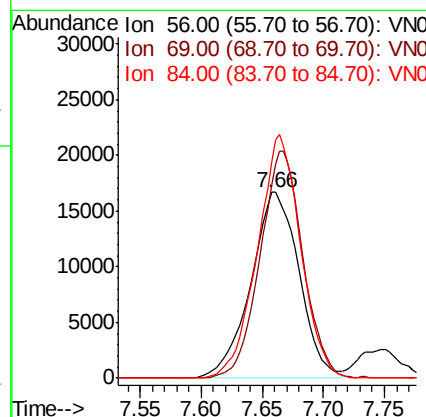
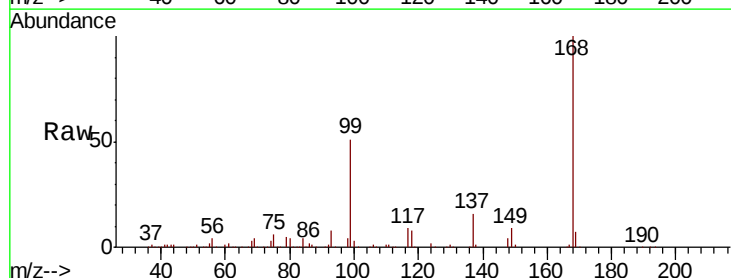
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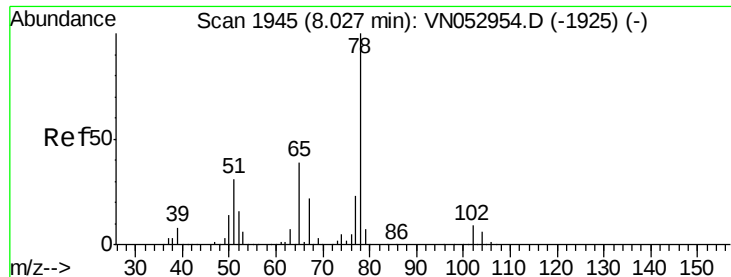
Tot Ion: 43 Resp: 5461
Ion Ratio Lower Upper
43 100
72 16.5 21.0 31.6#



#31
Cyclohexane
Concen: 0.866 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN053108.D
Acq: 21 Dec 2018 18:01

Tgt Ion: 56 Resp: 45787
Ion Ratio Lower Upper
56 100
69 103.9 26.6 39.8#
84 116.4 68.4 102.6#

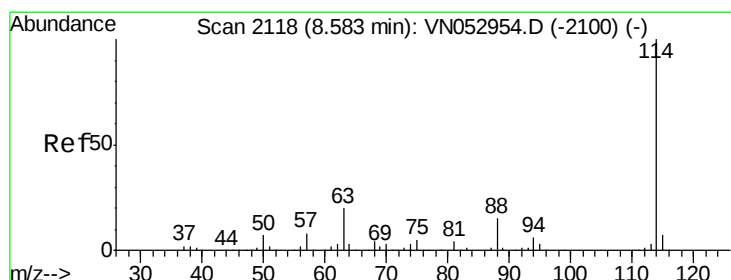
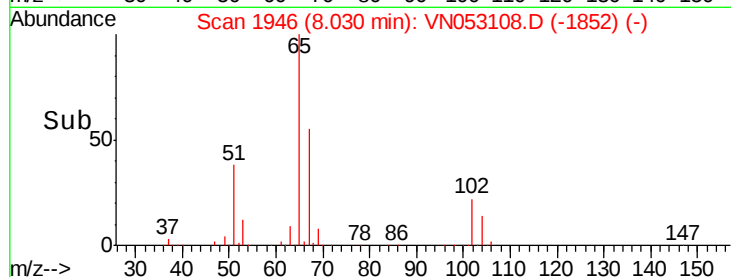
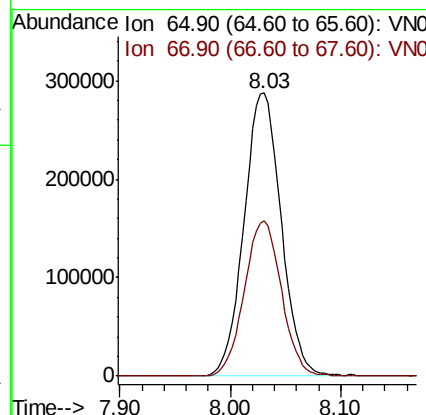
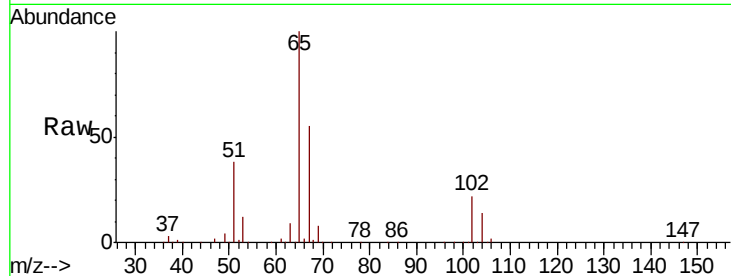




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1946
 Delta R.T. 0.00 min
 Lab File: VN053108.D
 Acq: 21 Dec 2018 18:01

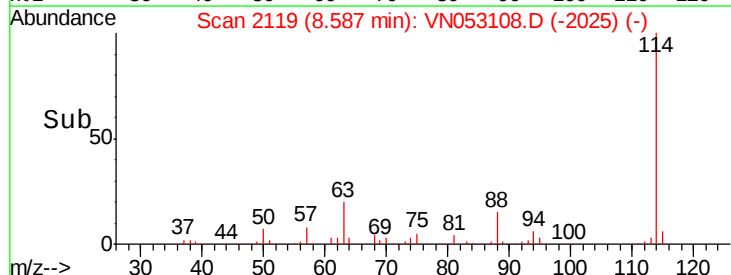
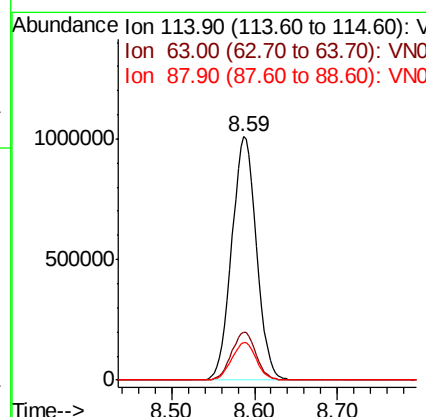
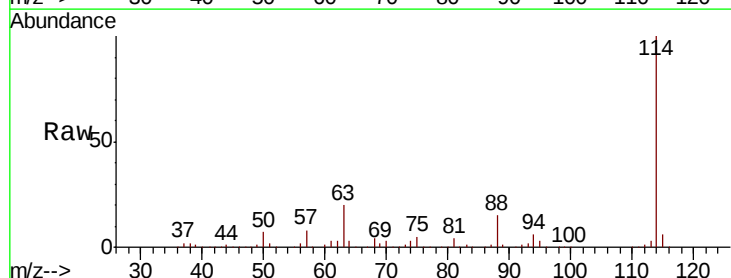
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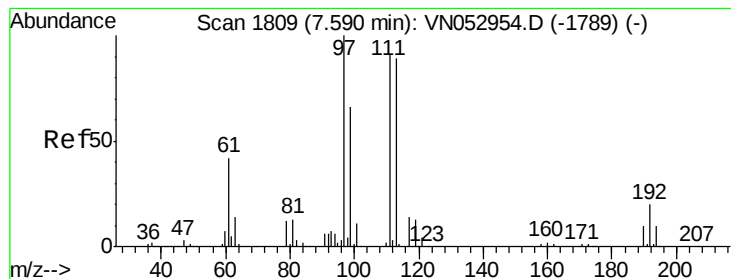
Tot Ion: 65 Resp: 671311
 Ion Ratio Lower Upper
 65 100
 67 54.8 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053108.D
 Acq: 21 Dec 2018 18:01

Tgt Ion: 114 Resp: 2093879
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 39.8
 88 15.4 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

Instrument :

MSVOA_N

ClientSampleId :

P001-SS013-1824-01ME

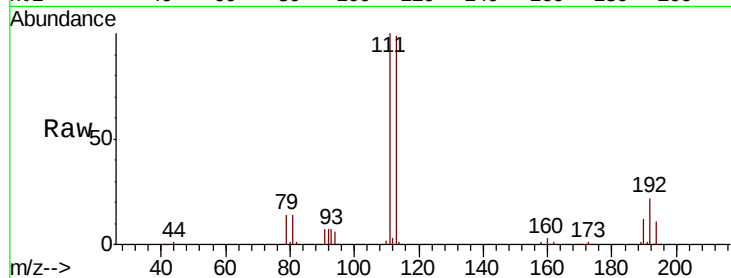
Tot Ion:113 Resp: 533937

Ion Ratio Lower Upper

113 100

111 102.5 83.0 124.4

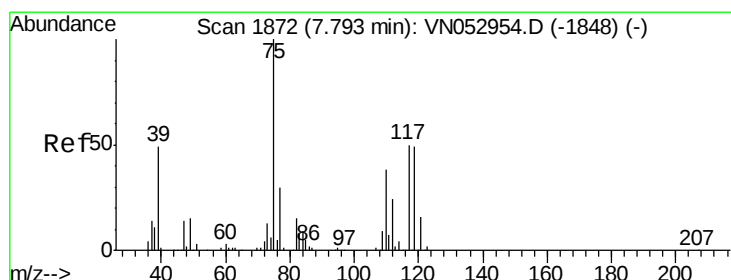
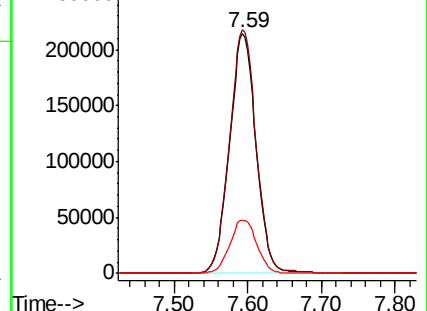
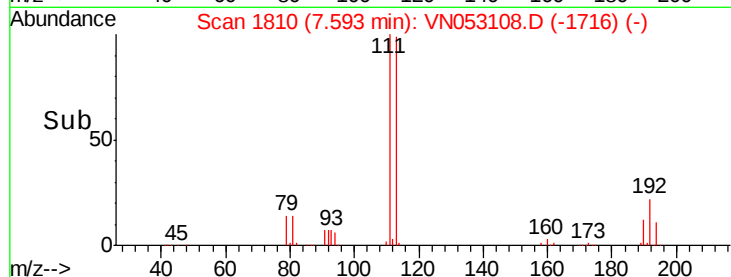
192 22.7 17.5 26.3



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.364 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

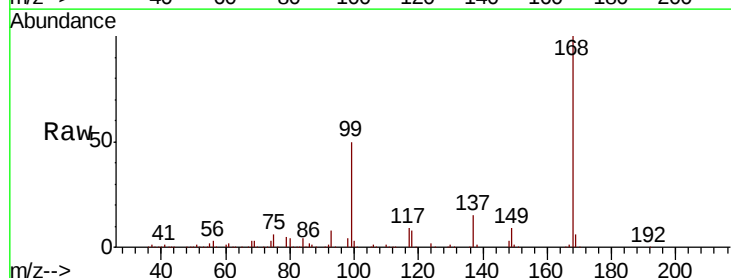
Tgt Ion: 75 Resp: 87700

Ion Ratio Lower Upper

75 100

110 8.5 18.2 54.6#

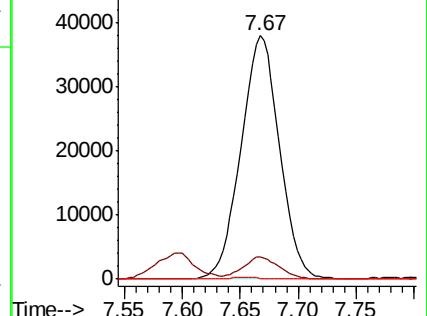
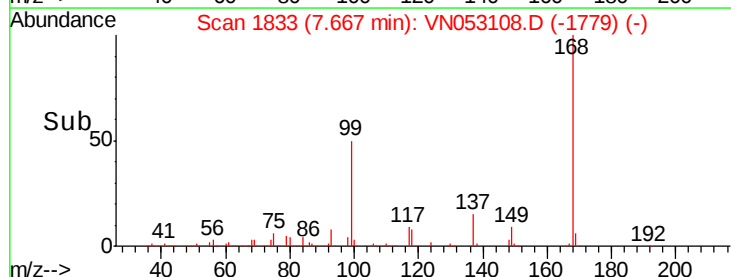
77 0.2 24.9 37.3#

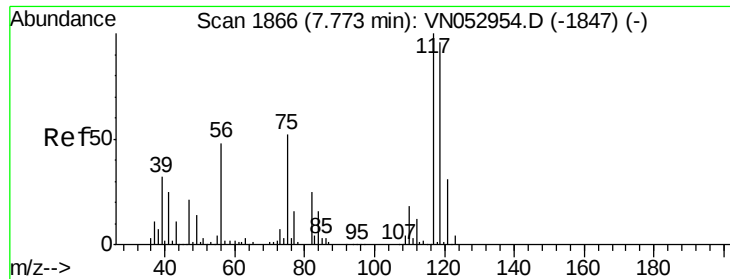


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.350 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

Instrument :

MSVOA_N

ClientSampleId :

P001-SS013-1824-01ME

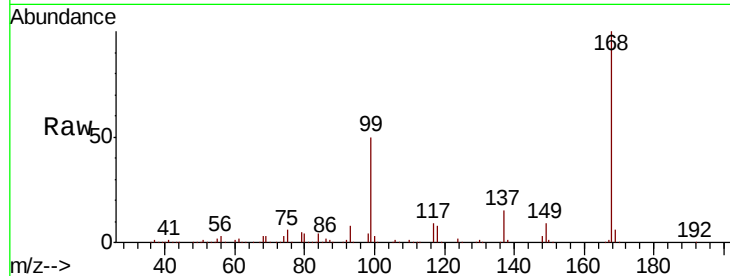
Tot Ion:117 Resp: 116983

Ion Ratio Lower Upper

117 100

119 5.1 77.1 115.7#

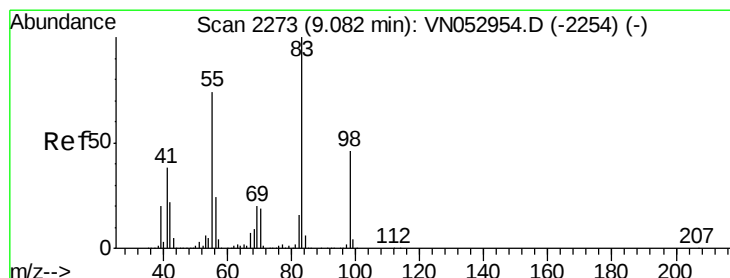
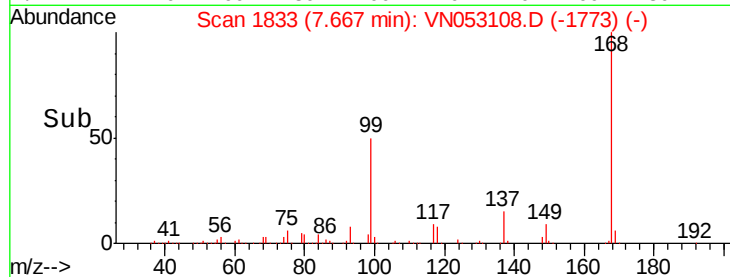
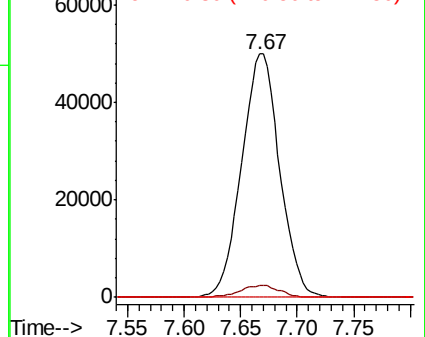
121 0.0 24.9 37.3#



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



#39

Methylcyclohexane

Concen: 2.098 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

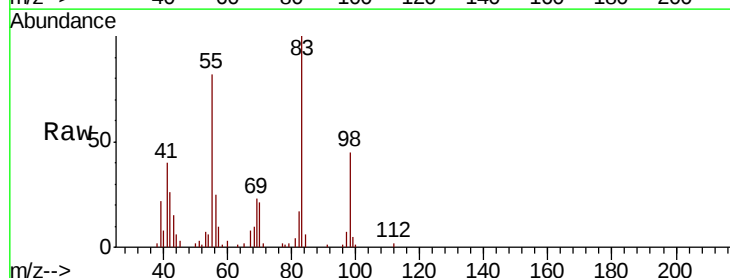
Tgt Ion: 83 Resp: 51230

Ion Ratio Lower Upper

83 100

55 80.5 61.3 91.9

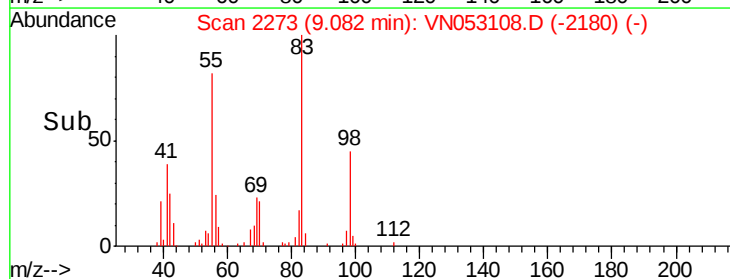
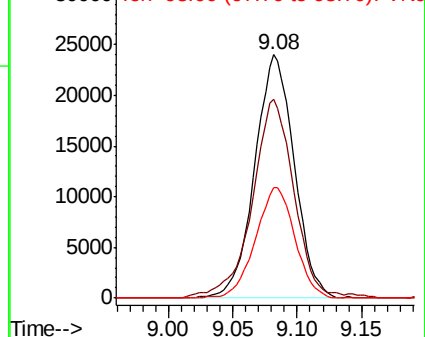
98 45.3 37.0 55.4

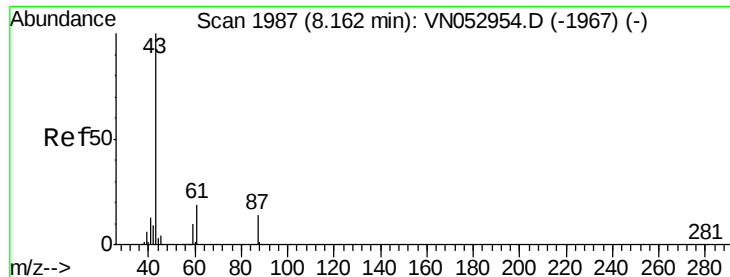


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#43

Isopropyl Acetate

Concen: 7.378 ug/l

RT: 8.33 min Scan# 2039

Delta R.T. 0.17 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

Instrument :

MSVOA_N

ClientSampleId :

P001-SS013-1824-01ME

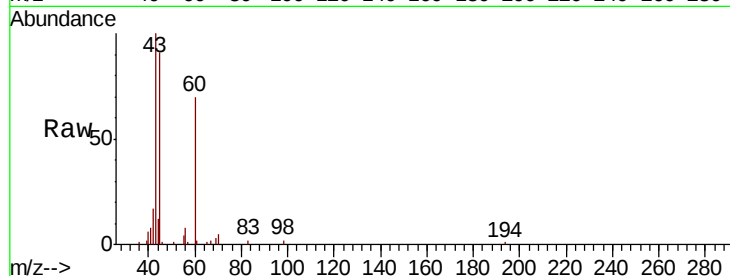
Tot Ion: 43 Resp: 179529

Ion Ratio Lower Upper

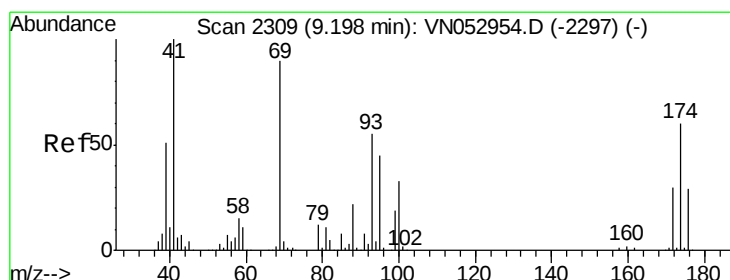
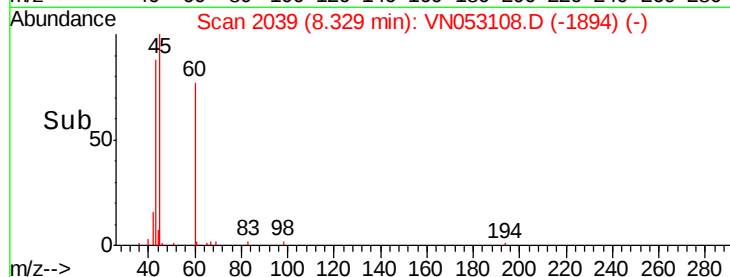
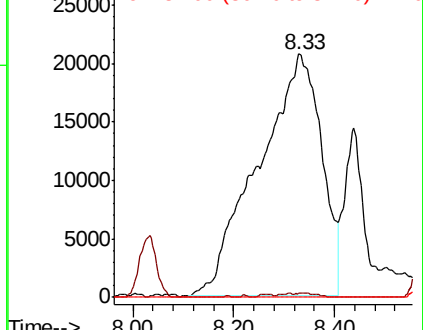
43 100

61 0.0 22.9 34.3#

87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#48

Methyl methacrylate

Concen: 0.234 ug/l

RT: 9.14 min Scan# 2291

Delta R.T. -0.06 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

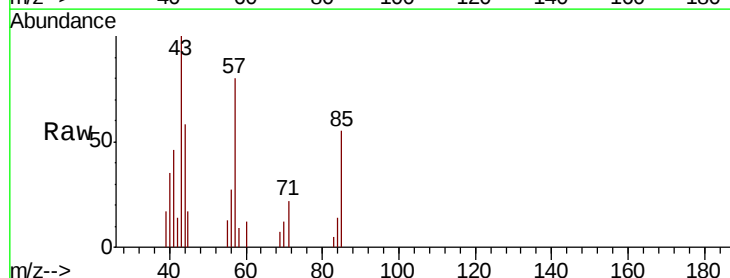
Tgt Ion: 41 Resp: 2545

Ion Ratio Lower Upper

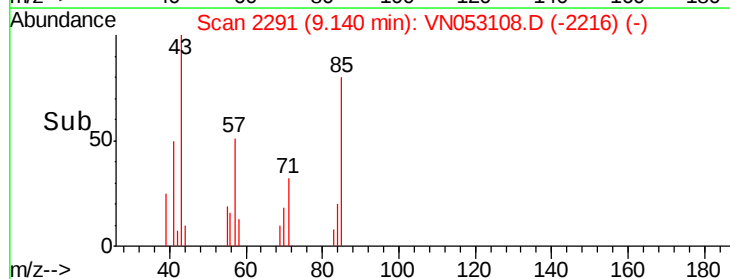
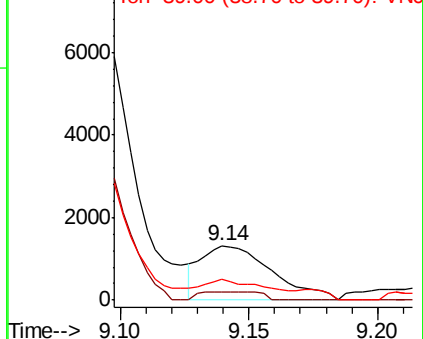
41 100

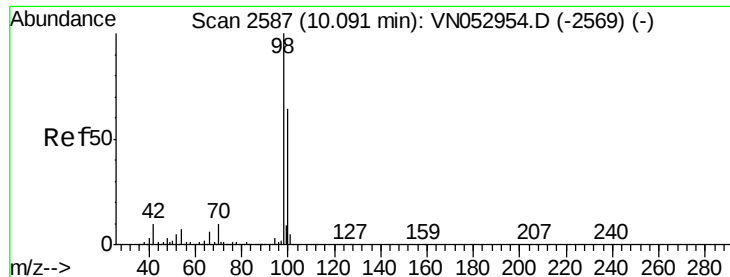
69 0.0 72.2 108.2#

39 14.9 41.9 62.9#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

Instrument :

MSVOA_N

ClientSampleId :

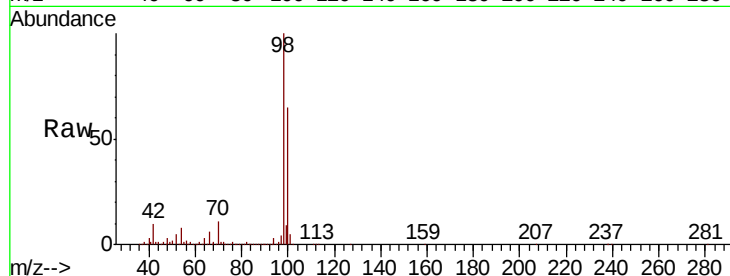
P001-SS013-1824-01ME

Tot Ion: 98 Resp: 2609684

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

1500000

1000000

500000

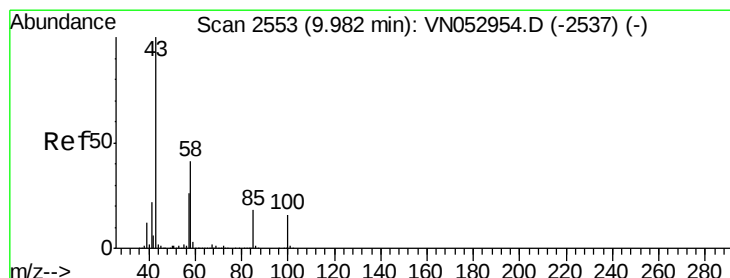
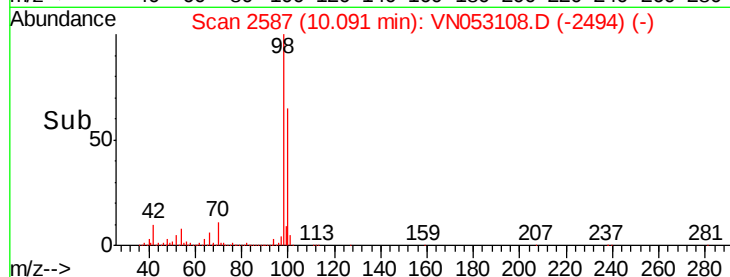
0

10.09

10.00

10.20

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.098 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN053108.D

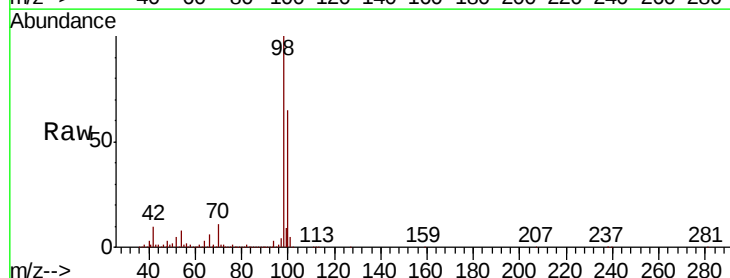
Acq: 21 Dec 2018 18:01

Tgt Ion: 43 Resp: 11933

Ion Ratio Lower Upper

43 100

58 168.3 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

60000

50000

40000

30000

20000

10000

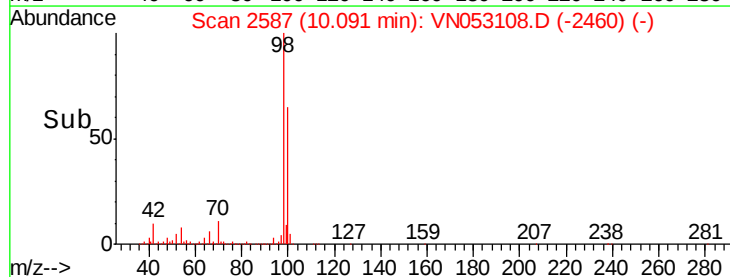
0

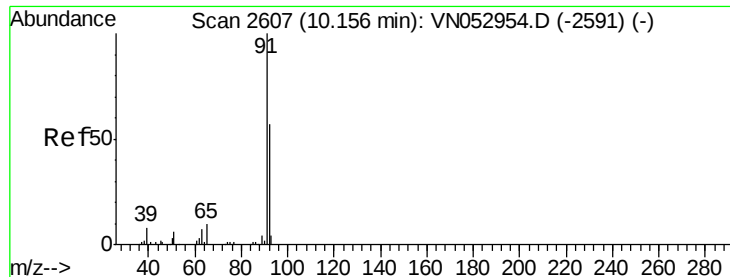
10.09

10.05

10.10

Time-->





#52

Toluene

Concen: 256.423 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

Instrument :

MSVOA_N

ClientSampleId :

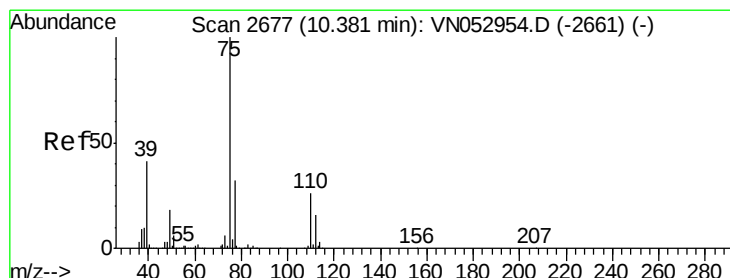
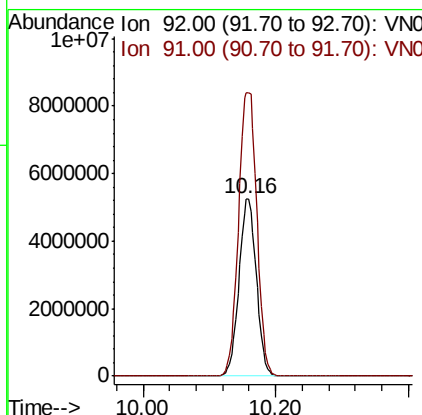
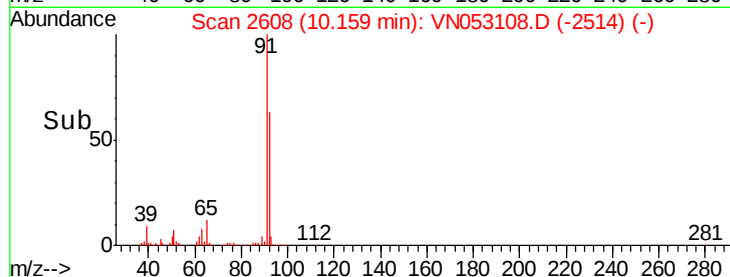
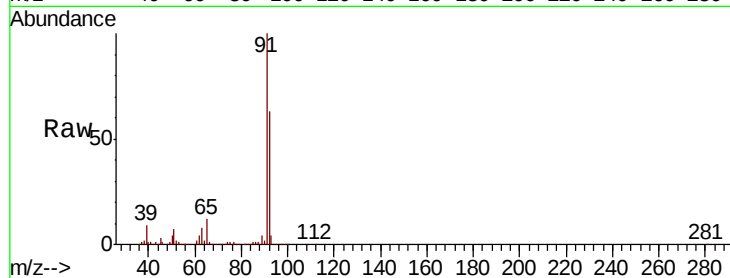
P001-SS013-1824-01ME

Tot Ion: 92 Resp: 9501325

Ion Ratio Lower Upper

92 100

91 169.8 139.8 209.6



#53

t-1,3-Dichloropropene

Concen: 4.956 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. -0.22 min

Lab File: VN053108.D

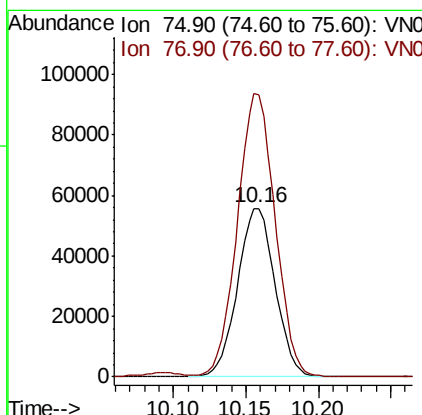
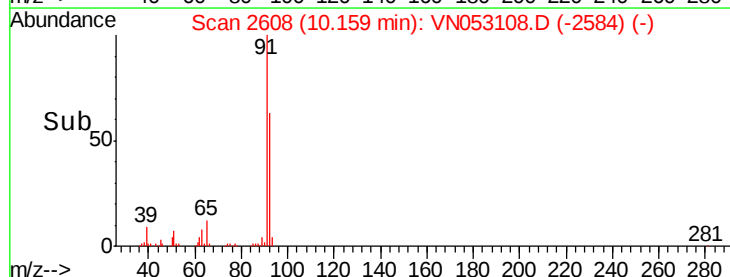
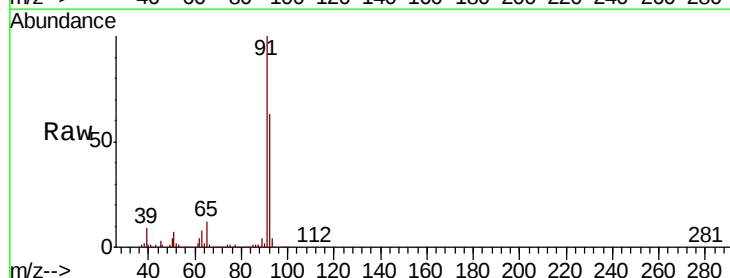
Acq: 21 Dec 2018 18:01

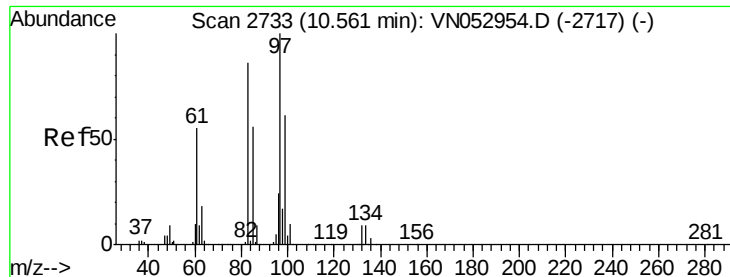
Tgt Ion: 75 Resp: 100494

Ion Ratio Lower Upper

75 100

77 166.4 25.6 38.4#

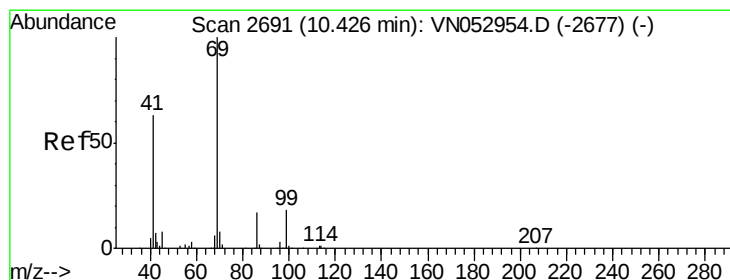
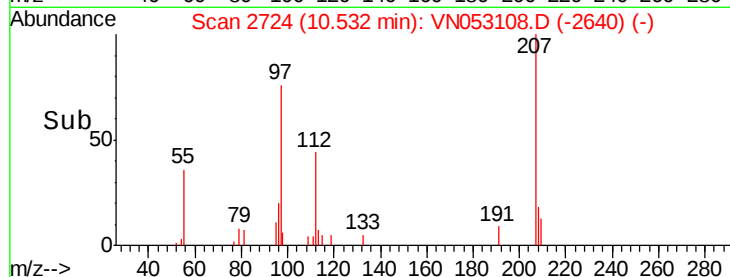
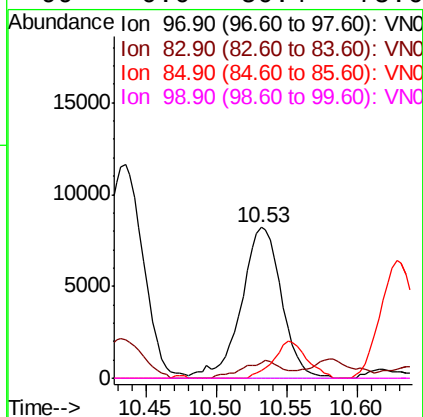
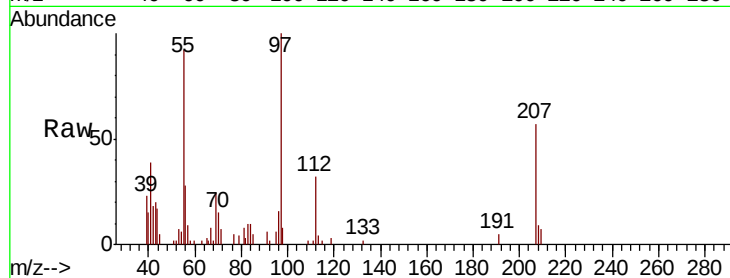




#55
 1,1,2-Trichloroethane
 Concen: 1.268 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.03 min
 Lab File: VN053108.D
 Acq: 21 Dec 2018 18:01

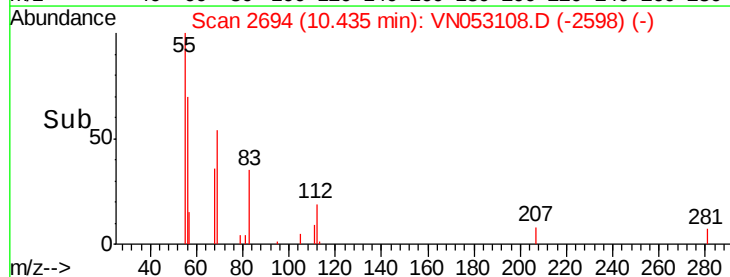
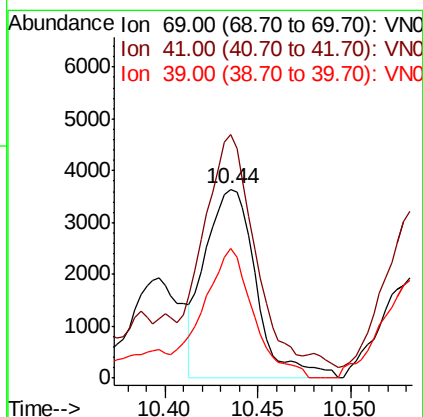
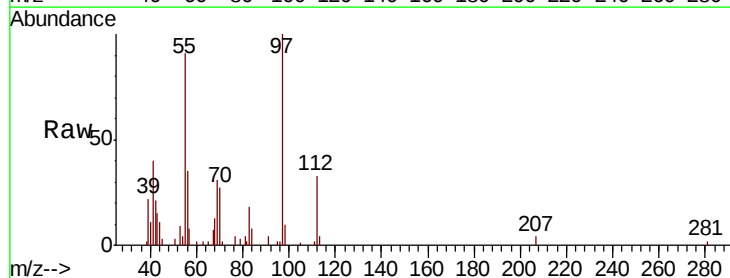
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS013-1824-01ME

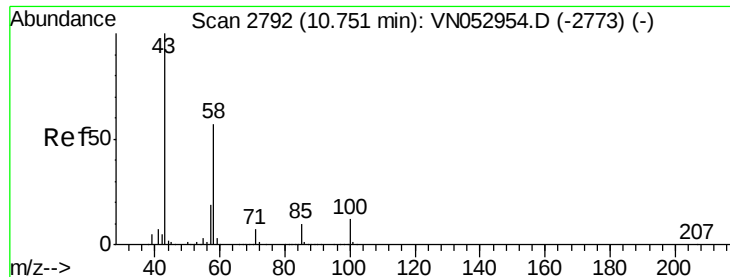
Tot Ion: 97 Resp: 16390
 Ion Ratio Lower Upper
 97 100
 83 9.8 70.9 106.3#
 85 4.9 45.4 68.2#
 99 0.0 50.4 75.6#



#56
 Ethyl methacrylate
 Concen: 0.408 ug/l
 RT: 10.44 min Scan# 2694
 Delta R.T. 0.01 min
 Lab File: VN053108.D
 Acq: 21 Dec 2018 18:01

Tgt Ion: 69 Resp: 6977
 Ion Ratio Lower Upper
 69 100
 41 110.6 51.7 77.5#
 39 0.0 24.6 37.0#

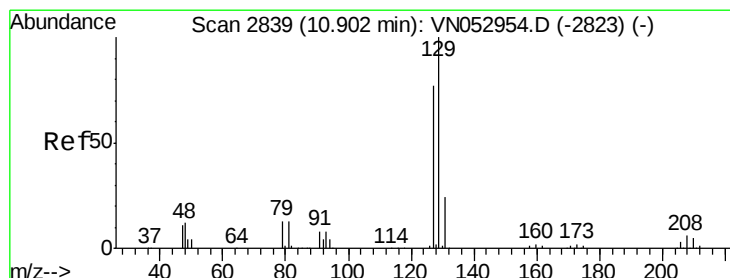
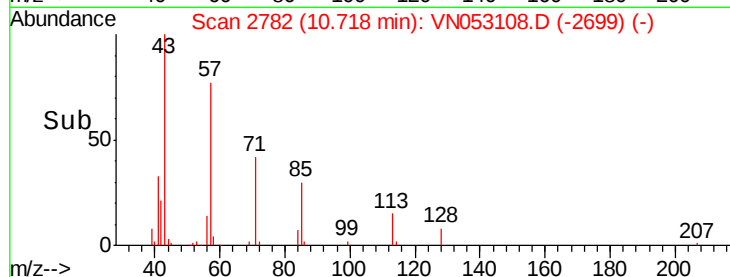
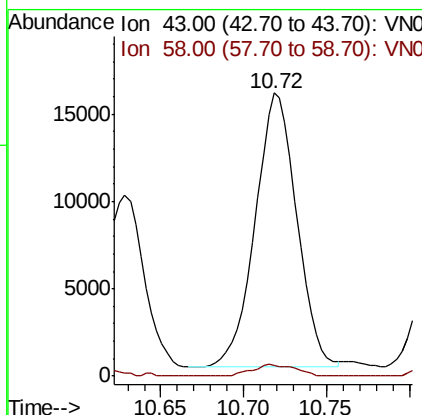
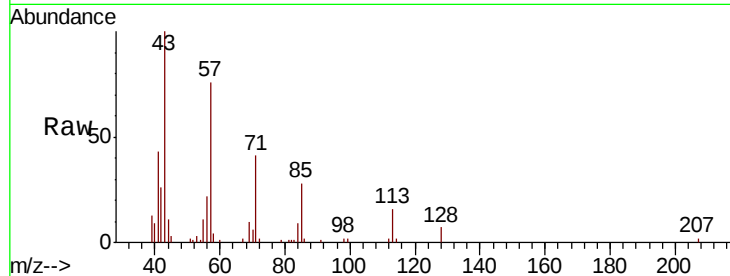




#59
2-Hexanone
Concen: 3.717 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.03 min
Lab File: VN053108.D
Acq: 21 Dec 2018 18:01

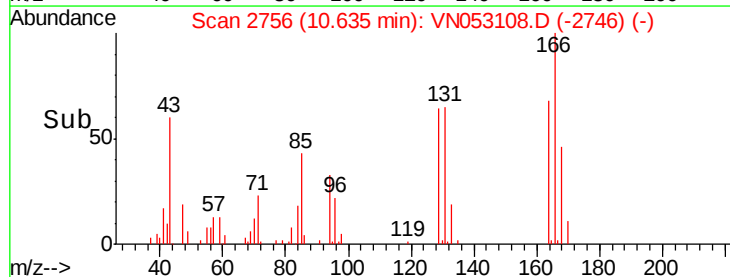
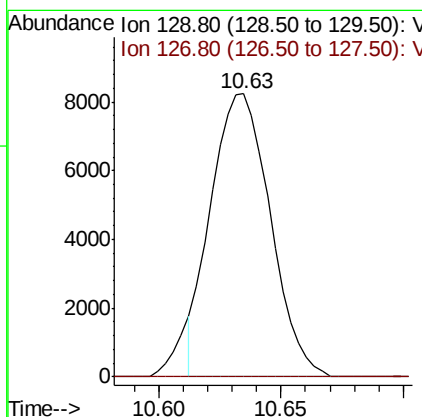
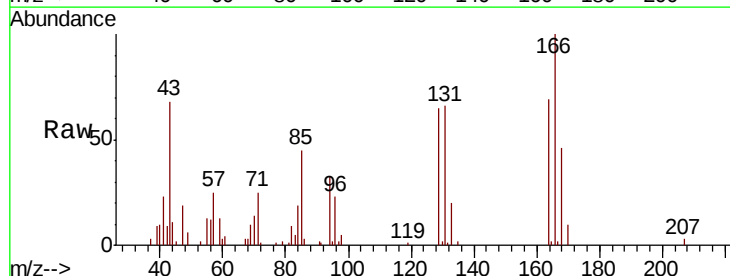
Instrument :
MSVOA_N
ClientSampleId :
P001-SS013-1824-01ME

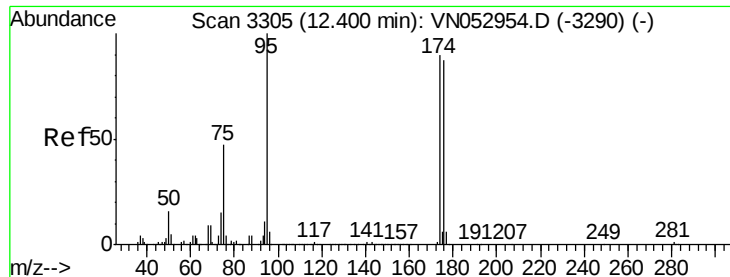
Tot Ion: 43 Resp: 27324
Ion Ratio Lower Upper
43 100
58 4.4 28.1 84.3#



#60
Dibromochloromethane
Concen: 0.941 ug/l
RT: 10.63 min Scan# 2756
Delta R.T. -0.27 min
Lab File: VN053108.D
Acq: 21 Dec 2018 18:01

Tgt Ion: 129 Resp: 13921
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#

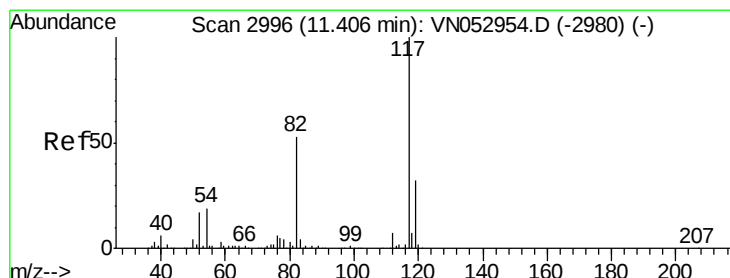
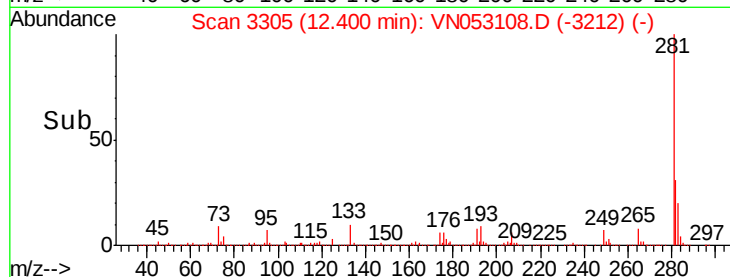
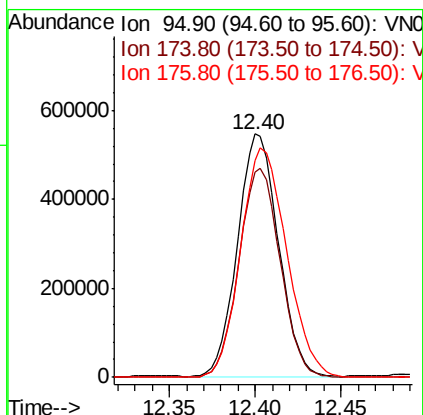
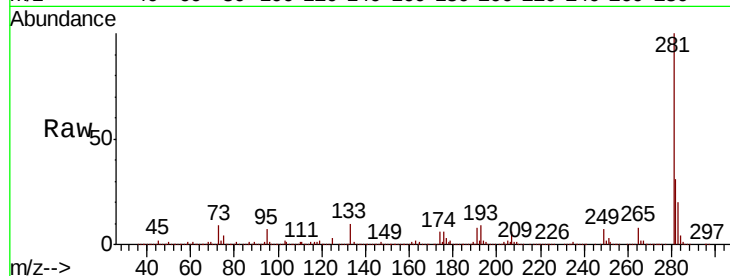




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN053108.D
Acq: 21 Dec 2018 18:01

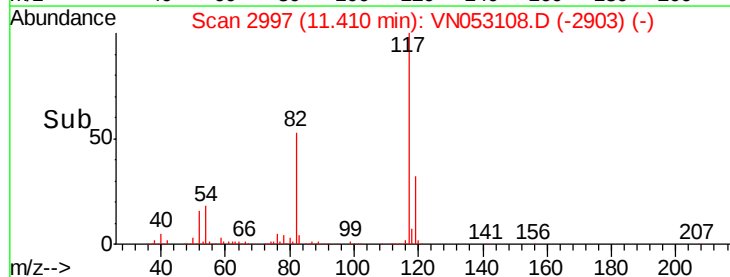
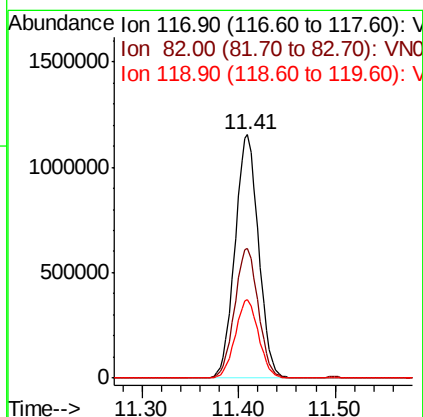
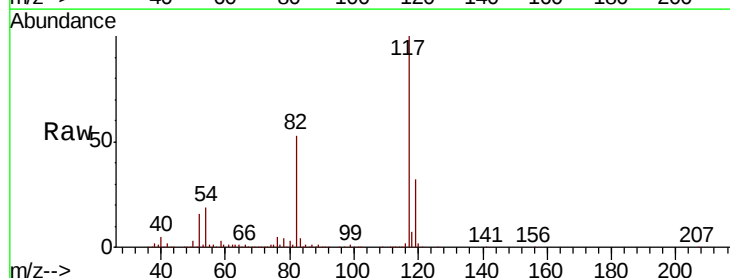
Instrument :
MSVOA_N
ClientSampleId :
P001-SS013-1824-01ME

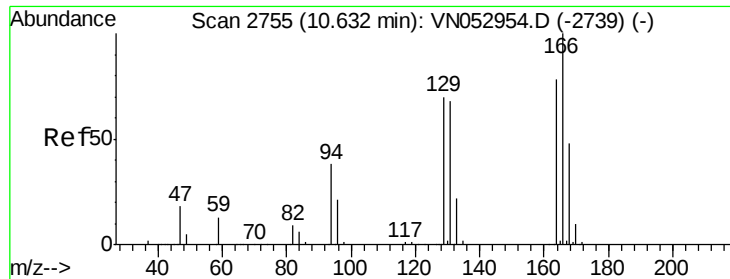
Tot Ion: 95 Resp: 900441
Ion Ratio Lower Upper
95 100
174 86.9 0.0 178.8
176 106.4 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN053108.D
Acq: 21 Dec 2018 18:01

Tgt Ion: 117 Resp: 1949244
Ion Ratio Lower Upper
117 100
82 53.2 42.8 64.2
119 32.0 25.5 38.3





#64

Tetrachloroethene

Concen: 0.775 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. -0.00 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

Instrument :

MSVOA_N

ClientSampleId :

P001-SS013-1824-01ME

Tot Ion:164 Resp: 16374

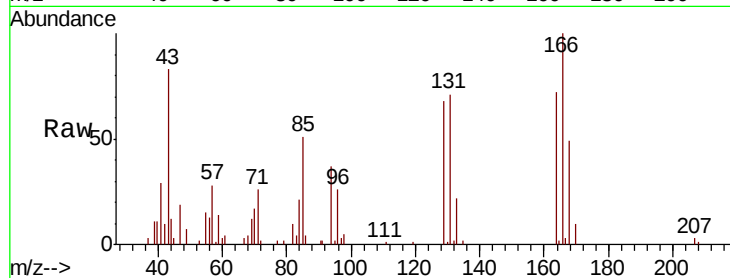
Ion Ratio Lower Upper

164 100

166 138.7 102.9 154.3

129 93.9 73.7 110.5

131 98.7 70.7 106.1



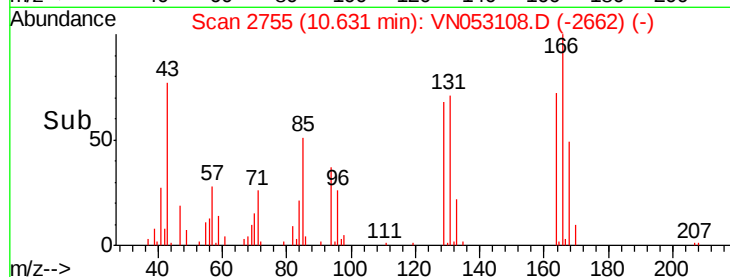
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



Abundance

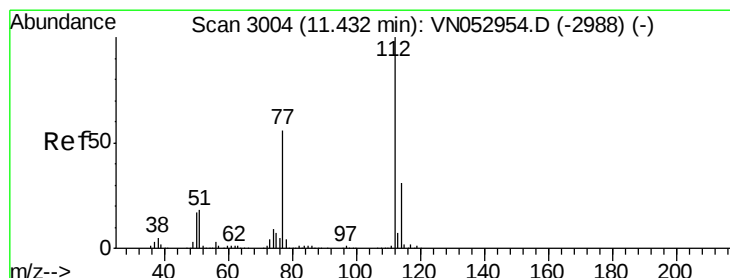
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



#65

Chlorobenzene

Concen: 0.226 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN053108.D

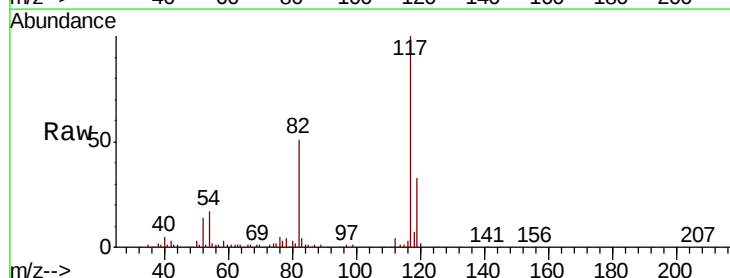
Acq: 21 Dec 2018 18:01

Tgt Ion:112 Resp: 9753

Ion Ratio Lower Upper

112 100

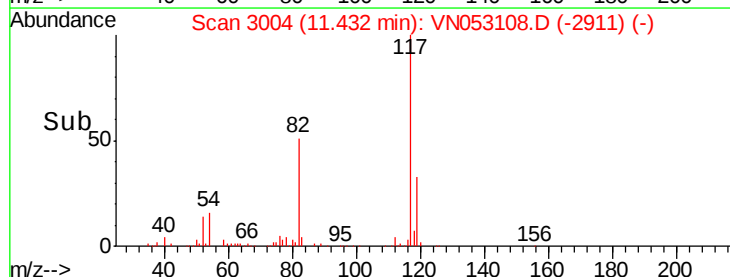
114 31.0 25.5 38.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

Time-->

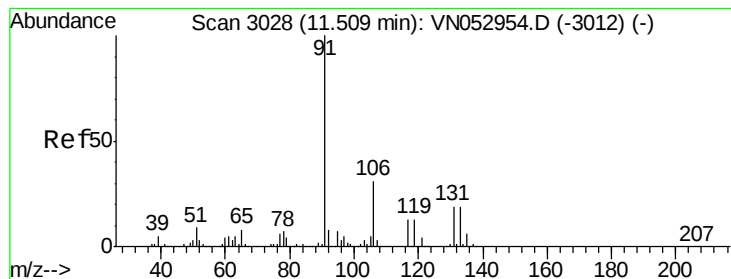


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

Time-->



#67

Ethyl Benzene

Concen: 47.788 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

Instrument:

MSVOA_N

ClientSampleId:

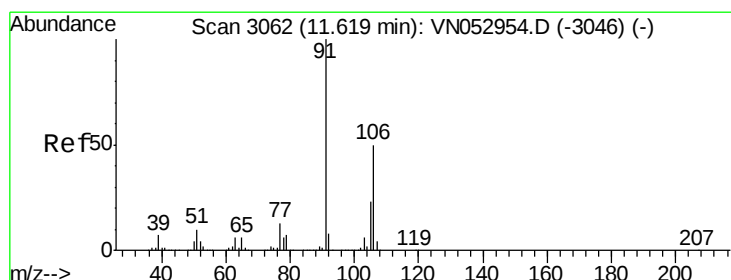
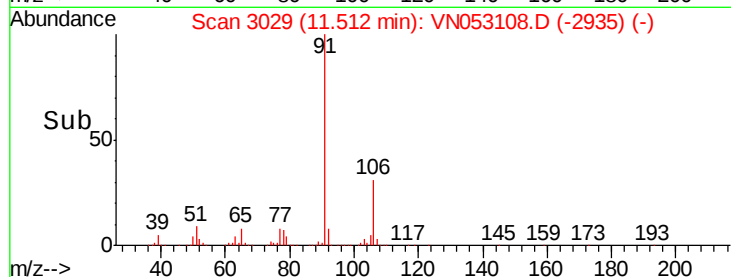
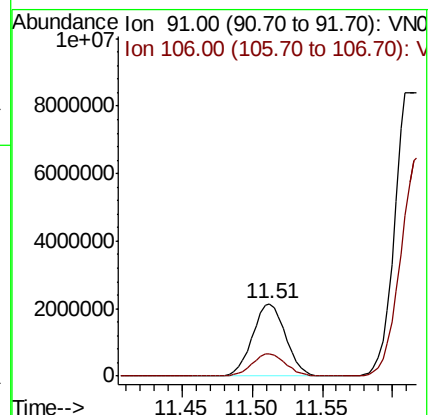
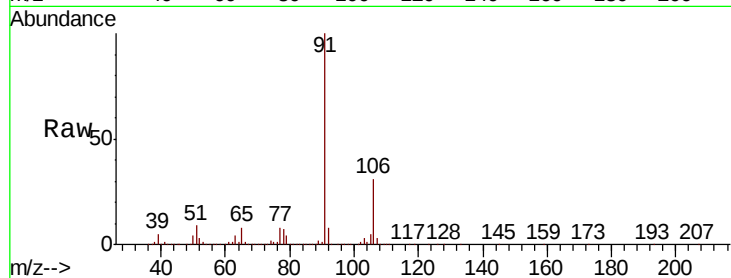
P001-SS013-1824-01ME

Tot Ion: 91 Resp: 3551026

Ion Ratio Lower Upper

91 100

106 31.0 24.9 37.3



#68

m/p-Xylenes

Concen: 416.553 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN053108.D

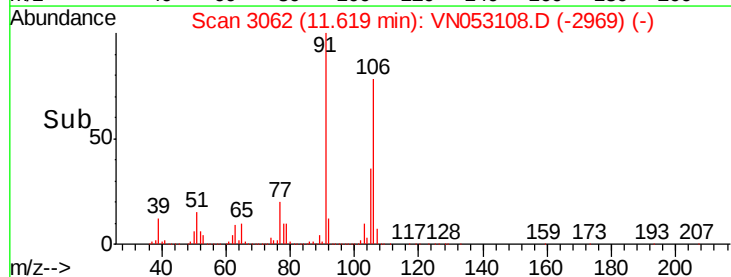
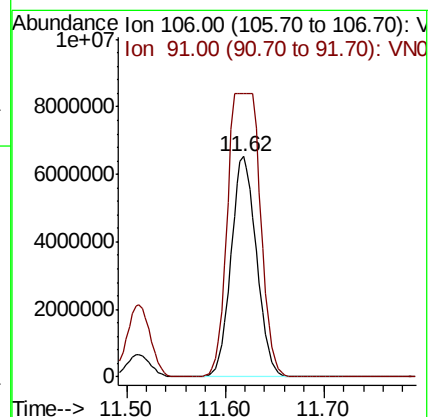
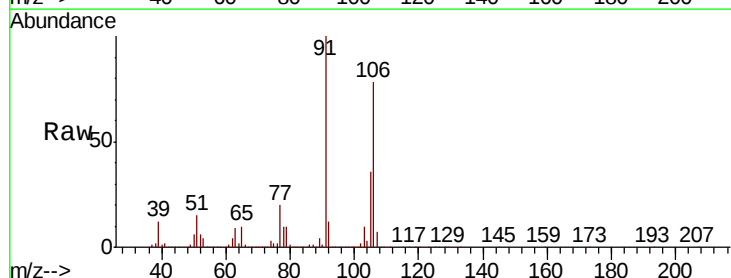
Acq: 21 Dec 2018 18:01

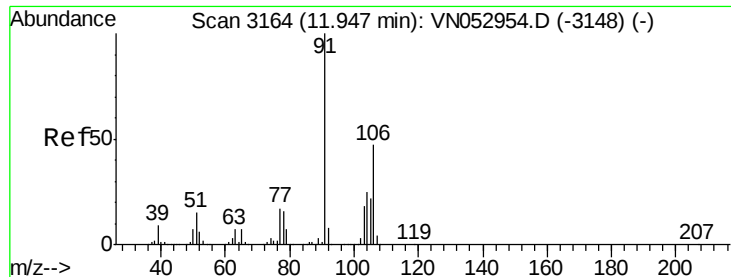
Tgt Ion: 106 Resp: 11767155

Ion Ratio Lower Upper

106 100

91 0.0 162.2 243.4#

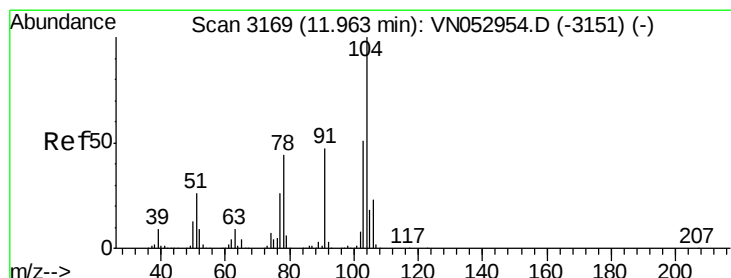
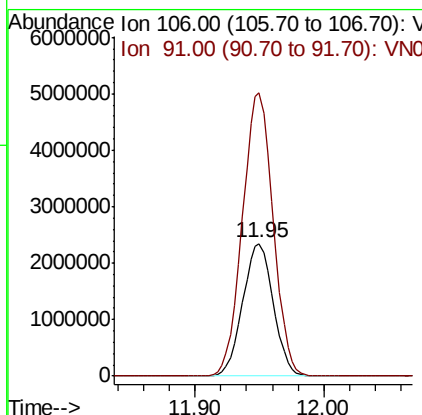
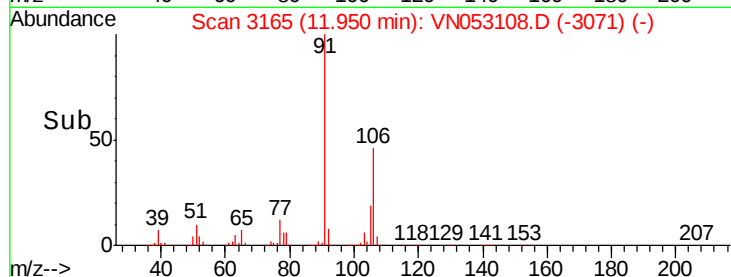
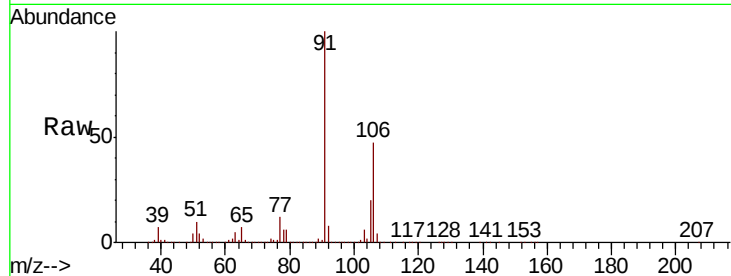




#69
o-Xylene
Concen: 142.894 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN053108.D
Acq: 21 Dec 2018 18:01

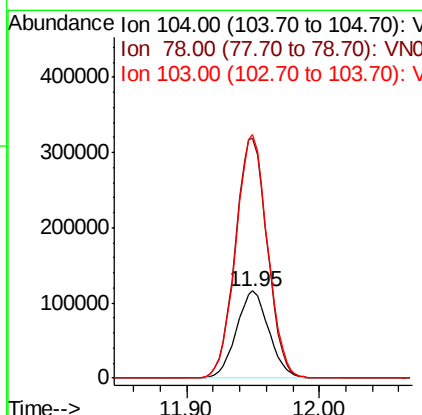
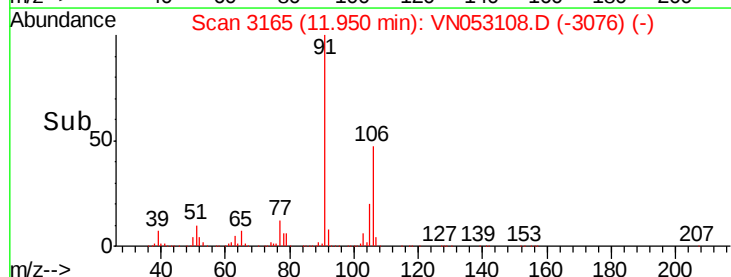
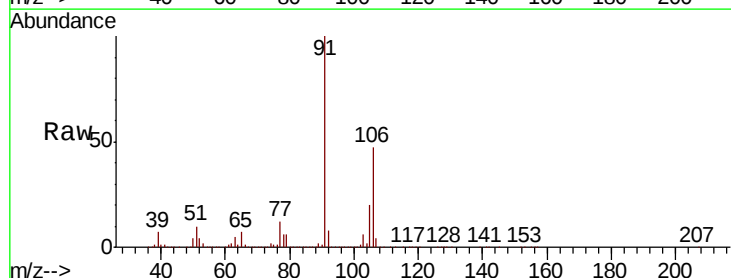
Instrument :
MSVOA_N
ClientSampleId :
P001-SS013-1824-01ME

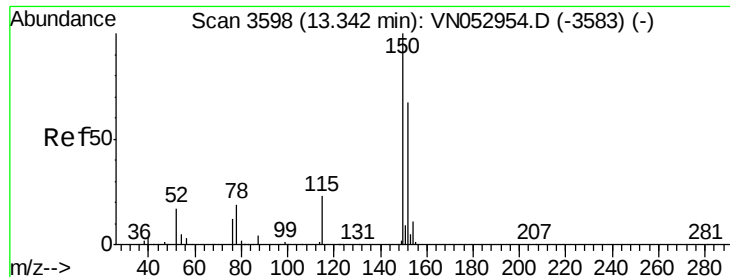
Tot Ion:106 Resp: 3873440
Ion Ratio Lower Upper
106 100
91 214.2 106.6 319.8



#70
Styrene
Concen: 4.476 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.01 min
Lab File: VN053108.D
Acq: 21 Dec 2018 18:01

Tgt Ion:104 Resp: 197852
Ion Ratio Lower Upper
104 100
78 270.3 38.9 58.3#
103 272.1 44.3 66.5#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

Instrument :

MSVOA_N

ClientSampleId :

P001-SS013-1824-01ME

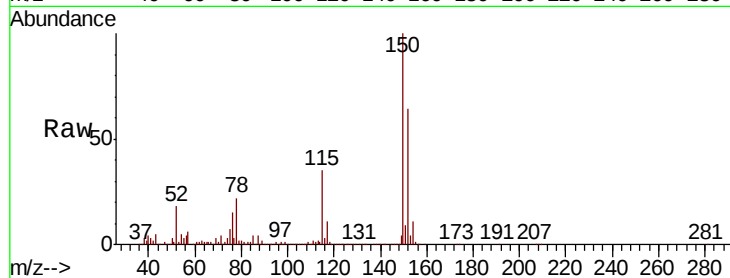
Tot Ion:152 Resp: 806778

Ion Ratio Lower Upper

152 100

115 57.0 28.3 85.0

150 155.8 0.0 347.8

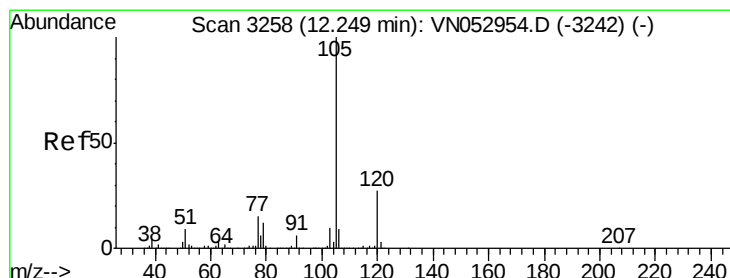
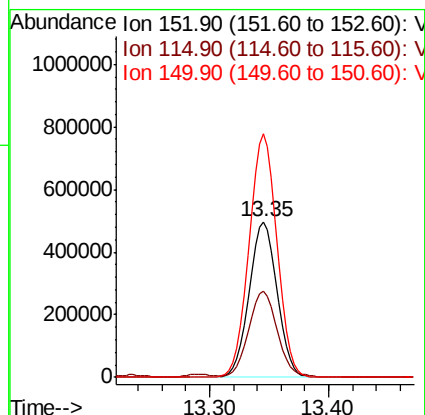
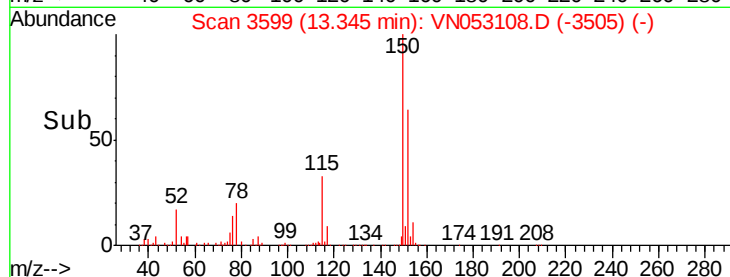


Abundance

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: 2.231 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN053108.D

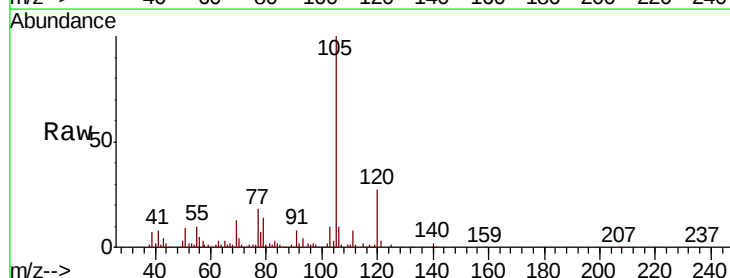
Acq: 21 Dec 2018 18:01

Tgt Ion:105 Resp: 140833

Ion Ratio Lower Upper

105 100

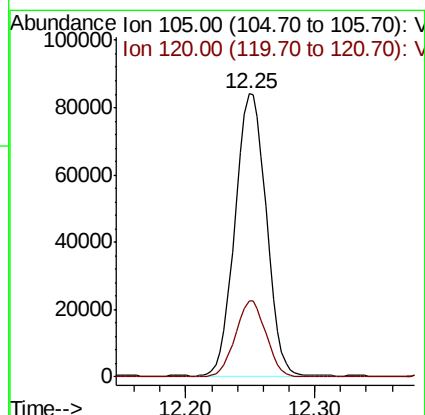
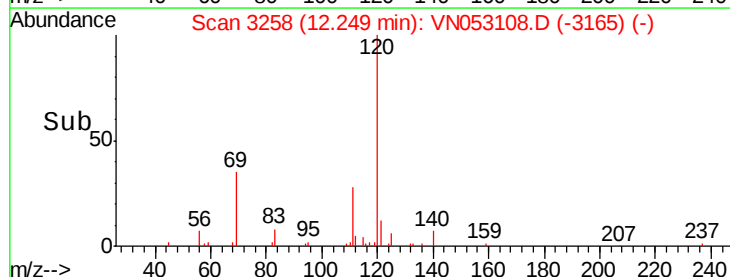
120 26.5 13.3 39.9

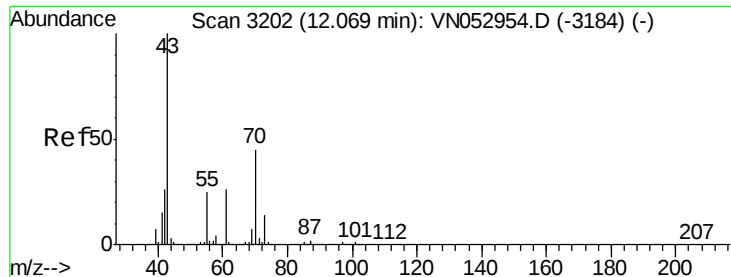


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amyl acetate

Concen: 2.296 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. -0.02 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

Instrument :

MSVOA_N

ClientSampleId :

P001-SS013-1824-01ME

Tot Ion: 43 Resp: 40245

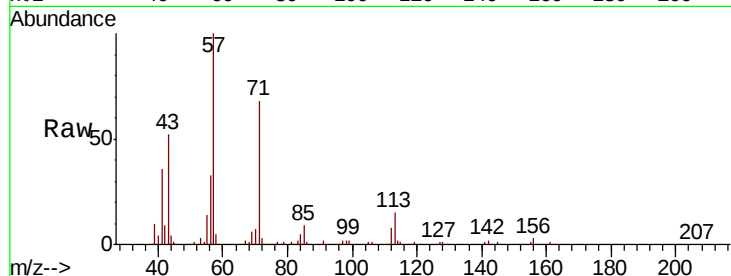
Ion Ratio Lower Upper

43 100

70 10.5 34.2 51.4#

55 11.0 20.3 30.5#

61 0.0 20.0 30.0#



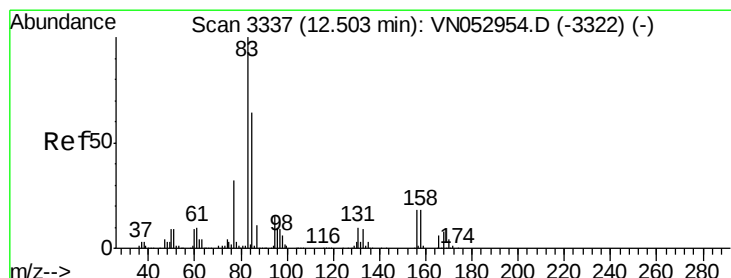
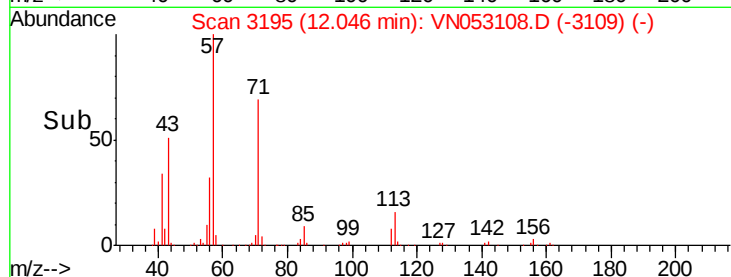
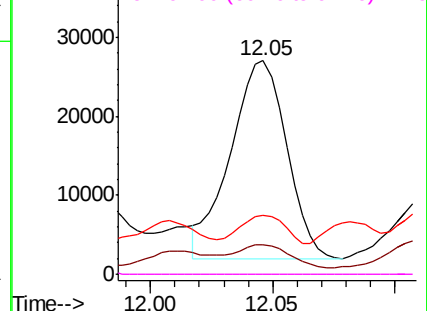
Abundance

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: 1.483 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.06 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

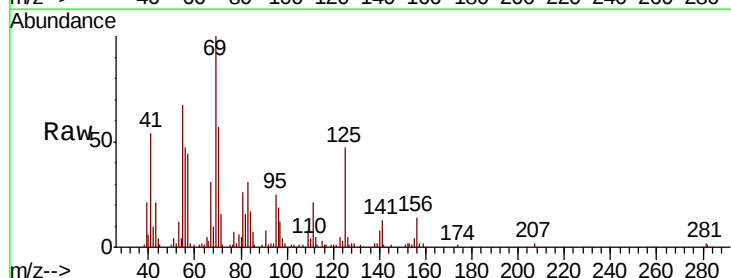
Tgt Ion: 83 Resp: 18362

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

85 34.7 32.4 97.0

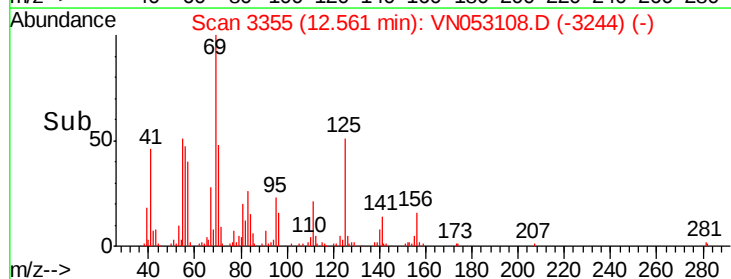
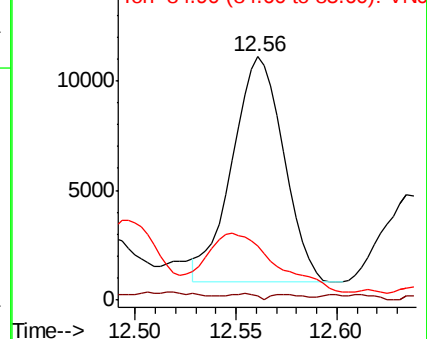


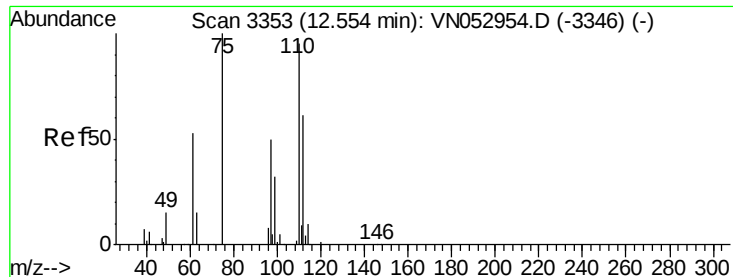
Abundance

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

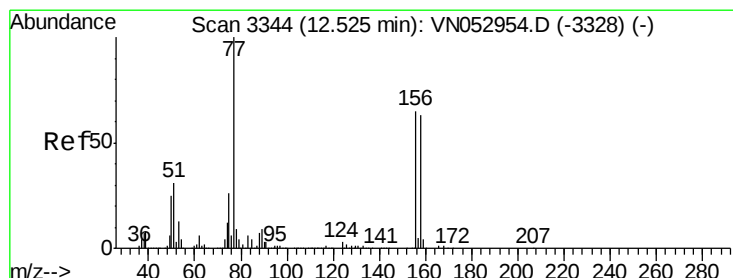
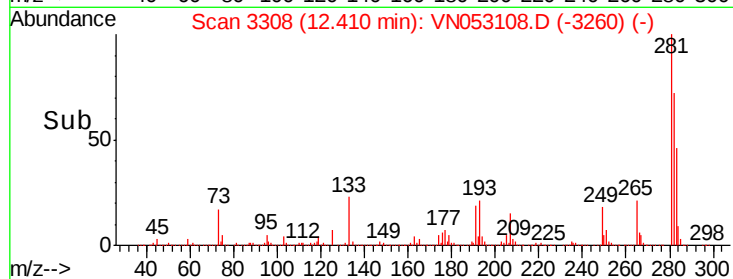
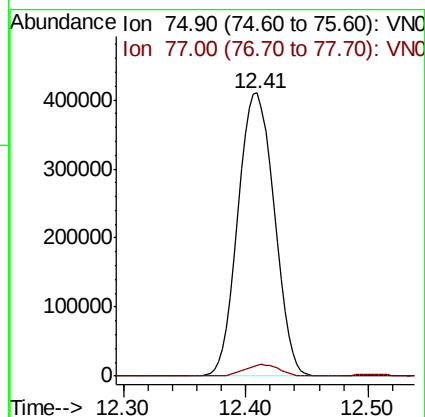
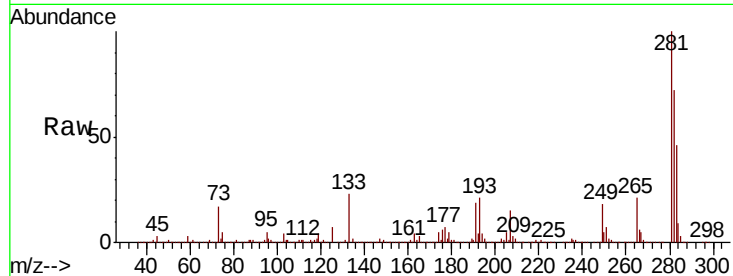




#76
 1,2,3-Trichloropropane
 Concen: 62.254 ug/l
 RT: 12.41 min Scan# 3308
 Delta R.T. -0.14 min
 Lab File: VN053108.D
 Acq: 21 Dec 2018 18:01

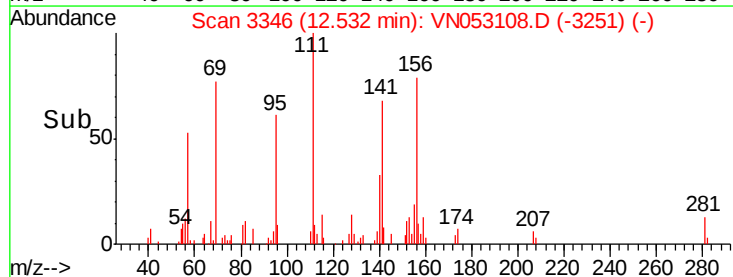
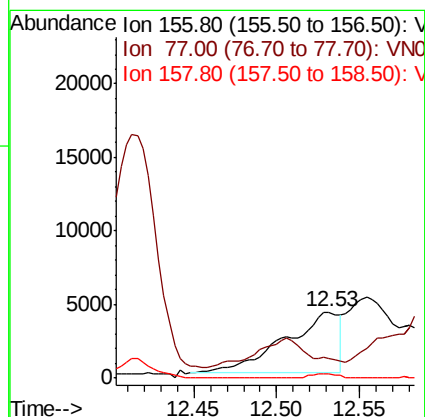
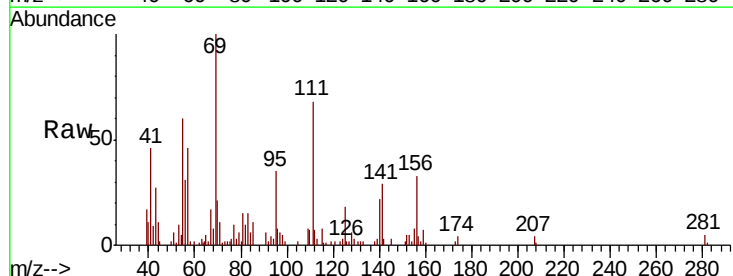
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS013-1824-01ME

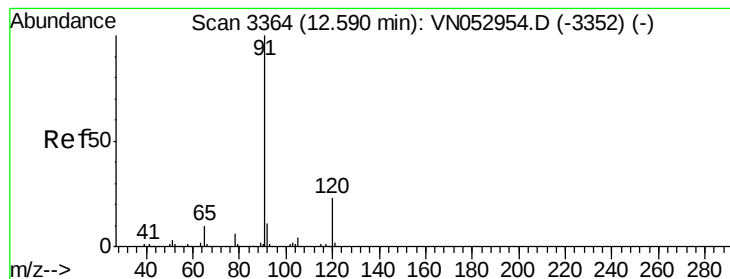
Tot Ion: 75 Resp: 845494
 Ion Ratio Lower Upper
 75 100
 77 3.7 0.0 0.0#



#77
 Bromobenzene
 Concen: 0.583 ug/l
 RT: 12.53 min Scan# 3346
 Delta R.T. 0.01 min
 Lab File: VN053108.D
 Acq: 21 Dec 2018 18:01

Tgt Ion: 156 Resp: 9562
 Ion Ratio Lower Upper
 156 100
 77 0.0 91.3 273.8#
 158 3.4 49.0 147.2#





#78

n-propylbenzene

Concen: 2.895 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

Instrument :

MSVOA_N

ClientSampleId :

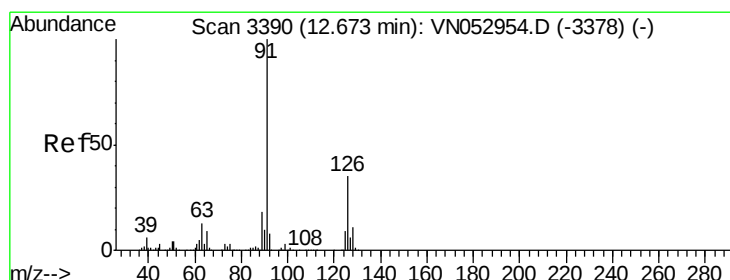
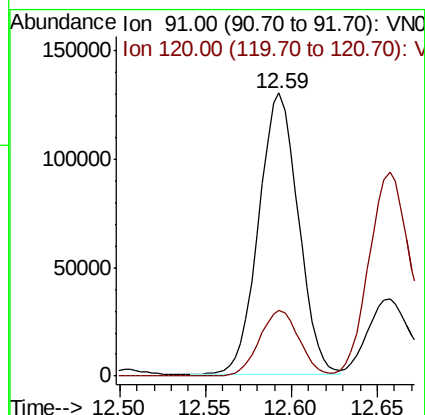
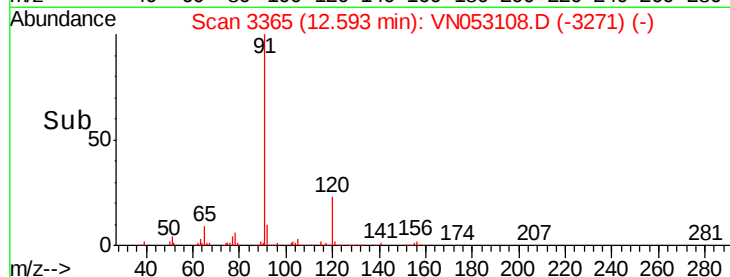
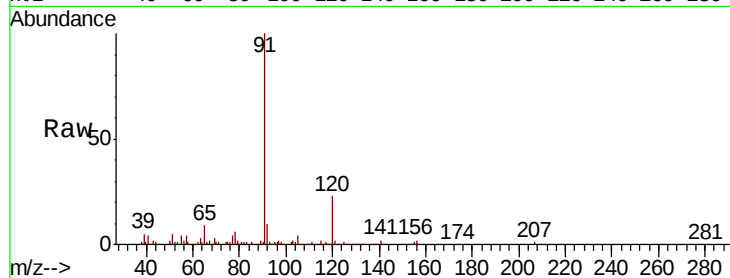
P001-SS013-1824-01ME

Tot Ion: 91 Resp: 208159

Ion Ratio Lower Upper

91 100

120 23.2 11.5 34.5



#79

2-Chlorotoluene

Concen: 1.256 ug/l

RT: 12.66 min Scan# 3385

Delta R.T. -0.02 min

Lab File: VN053108.D

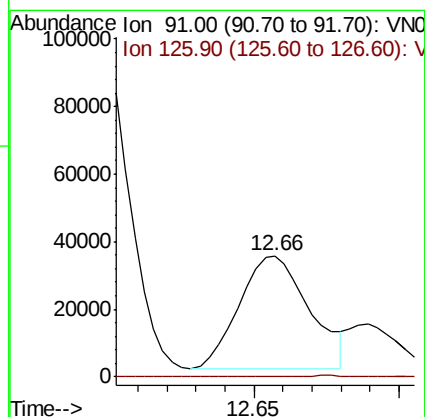
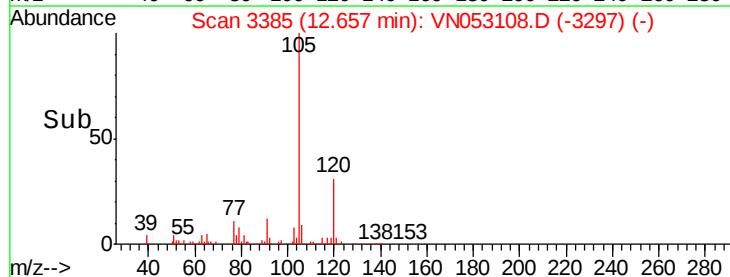
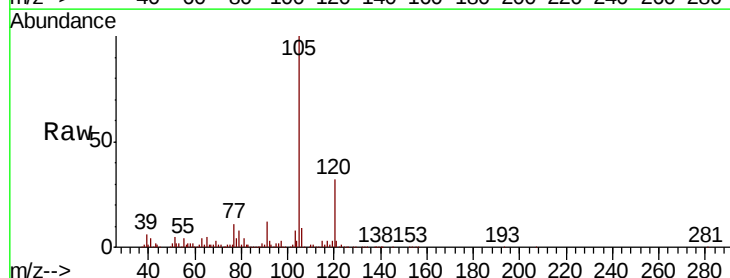
Acq: 21 Dec 2018 18:01

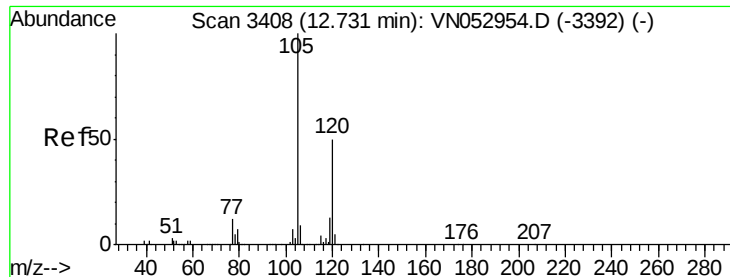
Tgt Ion: 91 Resp: 55957

Ion Ratio Lower Upper

91 100

126 1.2 17.4 52.3#





#80

1,3,5-Trimethylbenzene

Concen: 6.498 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

Instrument :

MSVOA_N

ClientSampleId :

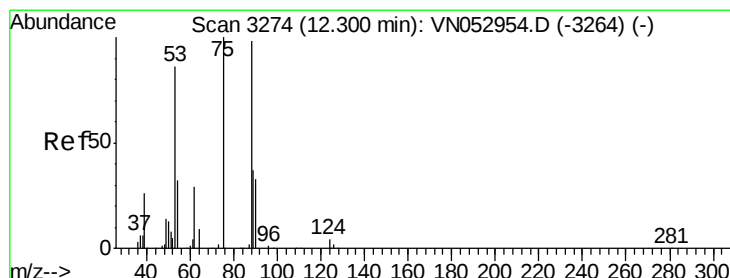
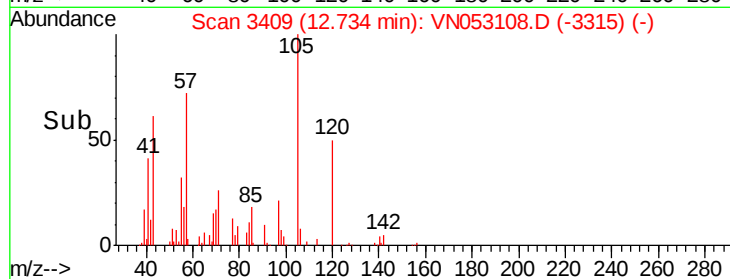
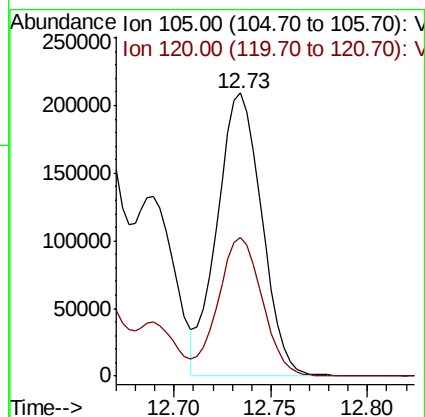
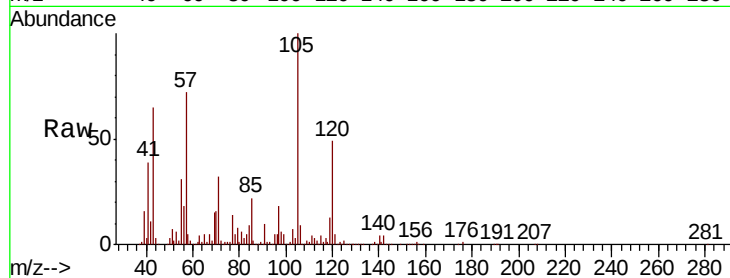
P001-SS013-1824-01ME

Tot Ion:105 Resp: 334344

Ion Ratio Lower Upper

105 100

120 48.3 24.4 73.2



#81

trans-1,4-Dichloro-2-butene

Concen: 200.653 ug/l

RT: 12.41 min Scan# 3308

Delta R.T. 0.11 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

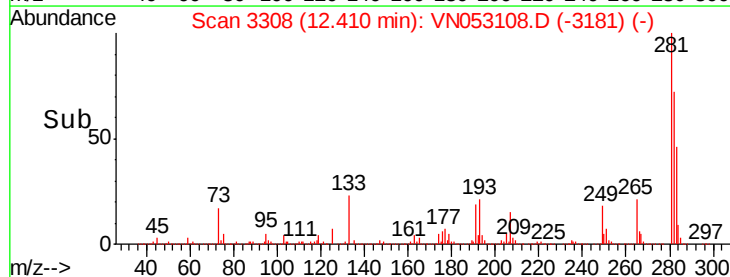
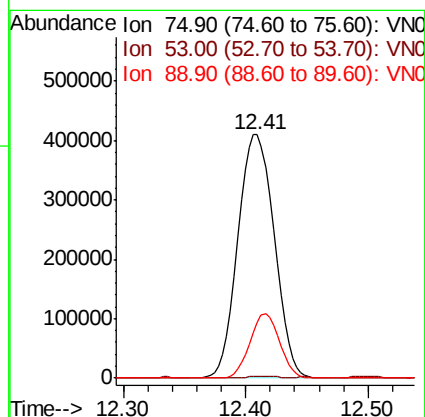
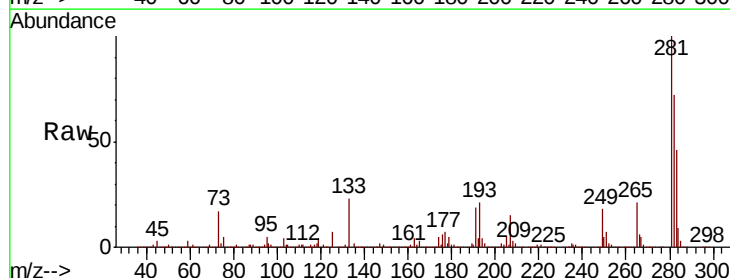
Tgt Ion: 75 Resp: 845494

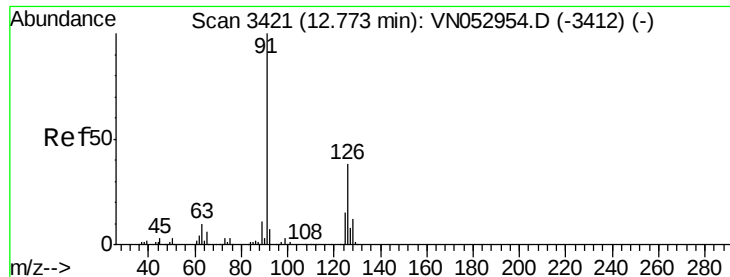
Ion Ratio Lower Upper

75 100

53 0.2 74.7 112.1#

89 21.4 36.1 54.1#





#82

4-Chlorotoluene

Concen: 0.730 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

Instrument :

MSVOA_N

ClientSampleId :

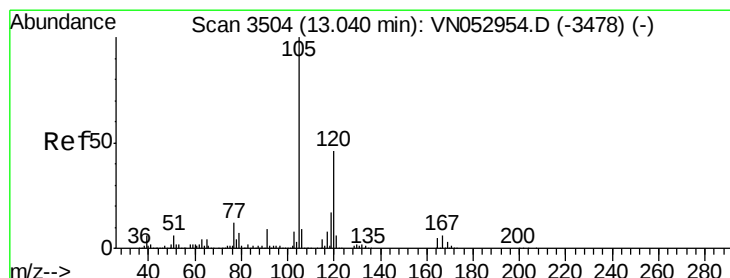
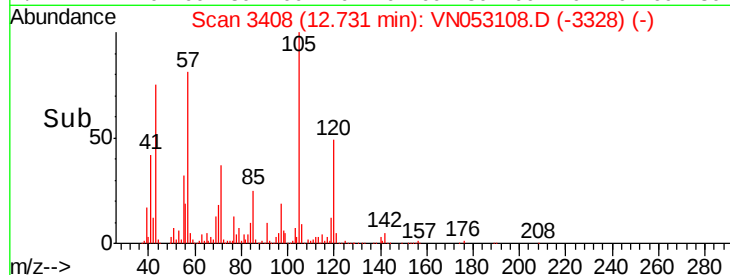
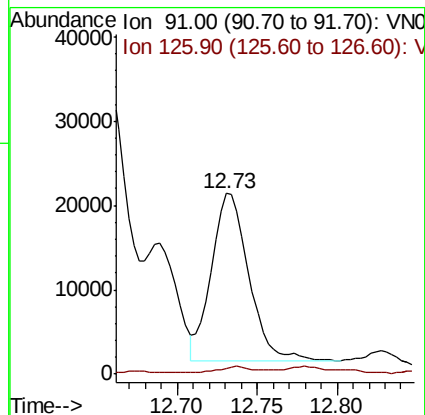
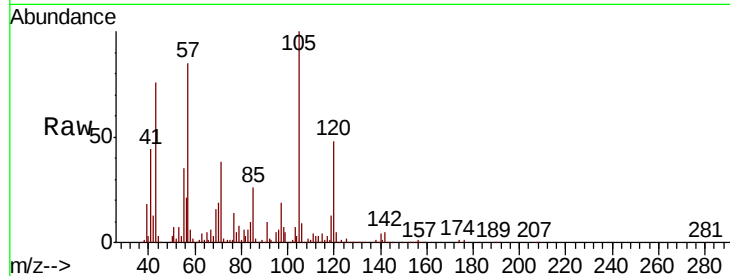
P001-SS013-1824-01ME

Tot Ion: 91 Resp: 31834

Ion Ratio Lower Upper

91 100

126 3.7 17.3 51.7#



#84

1,2,4-Trimethylbenzene

Concen: 15.469 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN053108.D

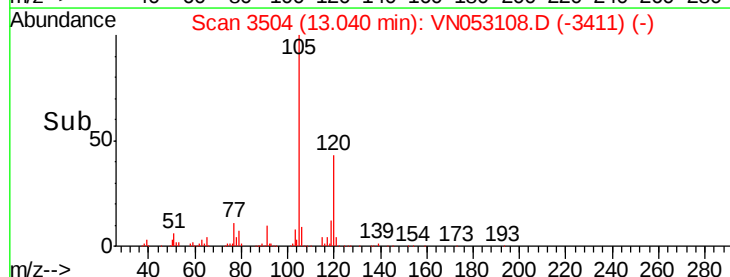
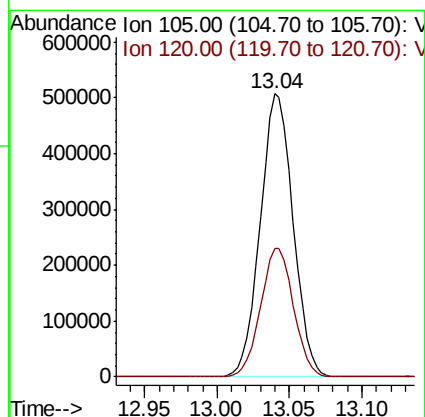
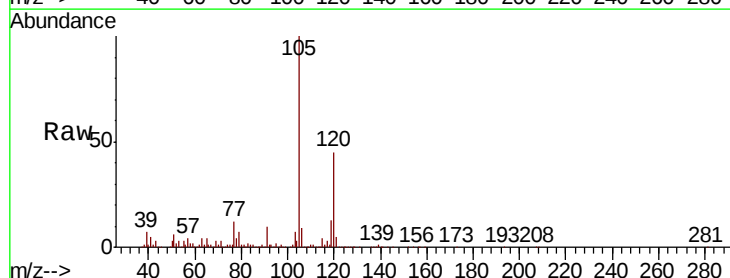
Acq: 21 Dec 2018 18:01

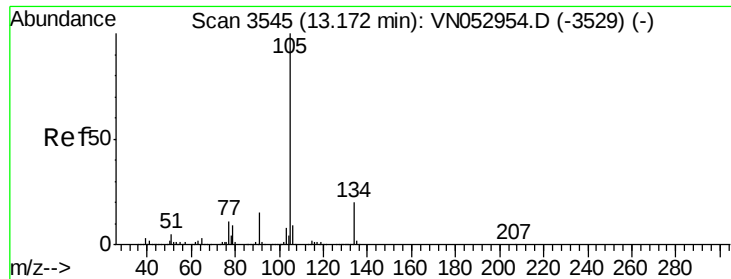
Tgt Ion: 105 Resp: 800104

Ion Ratio Lower Upper

105 100

120 45.7 22.9 68.8





#85

sec-Butylbenzene

Concen: 0.625 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

Instrument :

MSVOA_N

ClientSampleId :

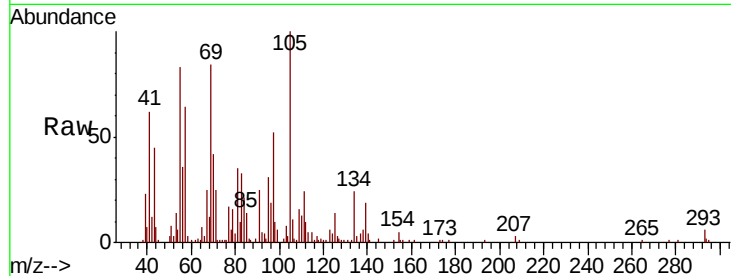
P001-SS013-1824-01ME

Tot Ion:105 Resp: 38458

Ion Ratio Lower Upper

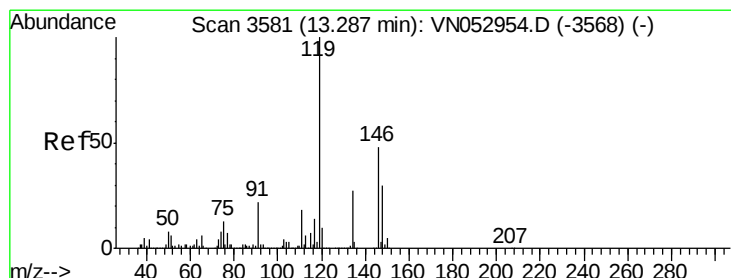
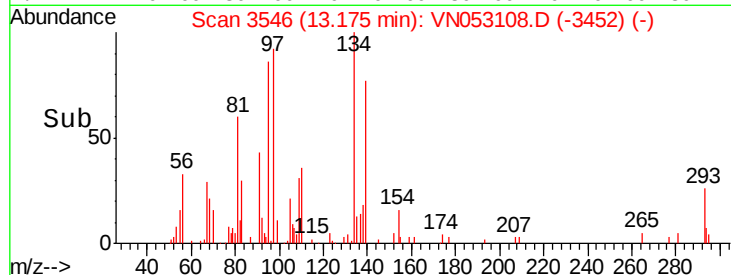
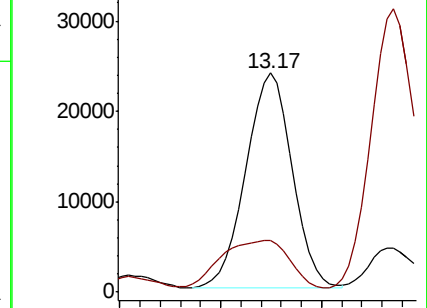
105 100

134 36.1 10.1 30.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.857 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

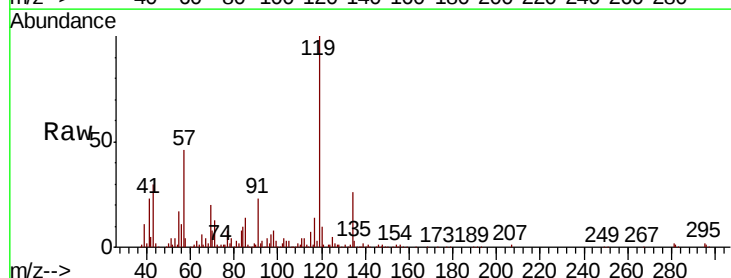
Tgt Ion:119 Resp: 205135

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.2

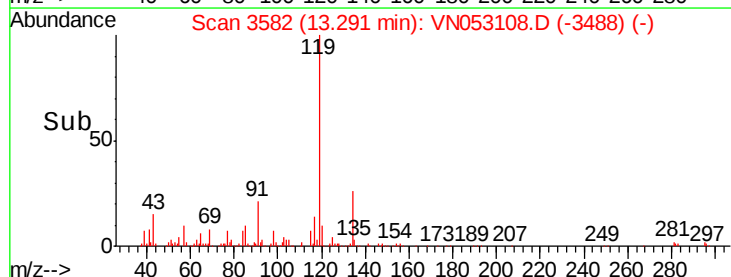
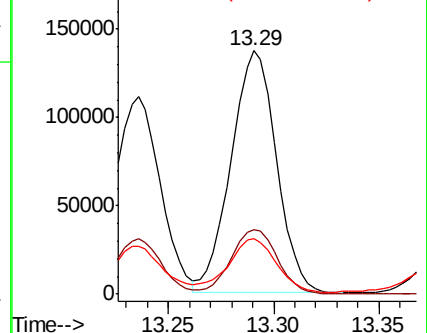
91 22.5 11.1 33.3

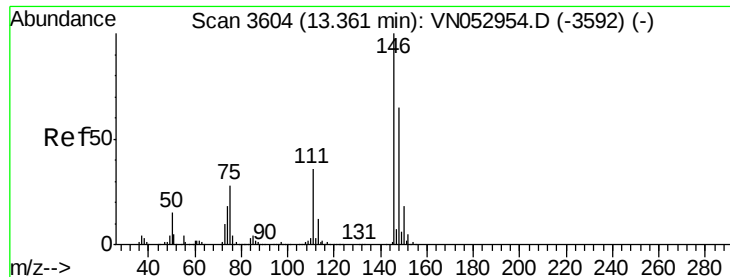


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#88

1,4-Dichlorobenzene

Concen: 0.397 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

Instrument :

MSVOA_N

ClientSampleId :

P001-SS013-1824-01ME

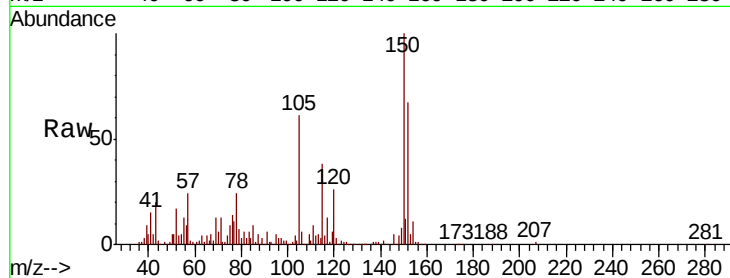
Tot Ion:146 Resp: 11670

Ion Ratio Lower Upper

146 100

111 264.8 18.6 55.8#

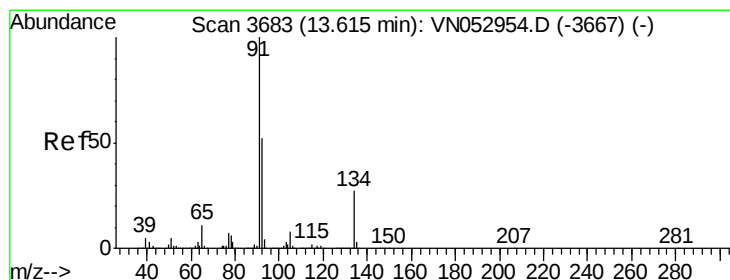
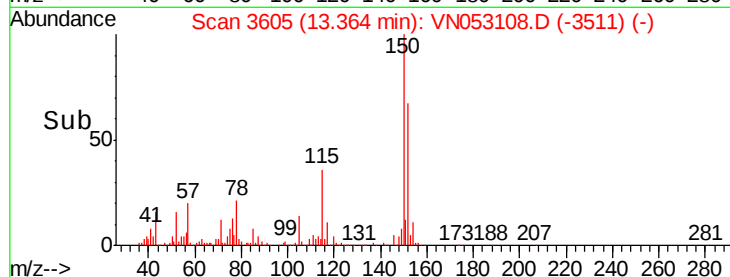
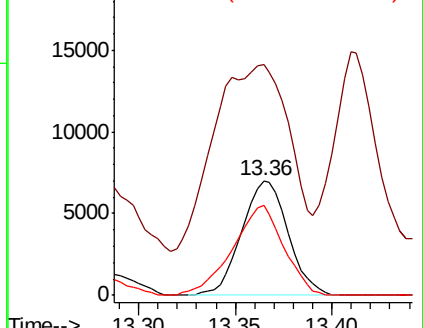
148 86.7 32.1 96.5



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



#89

n-Butylbenzene

Concen: 0.757 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

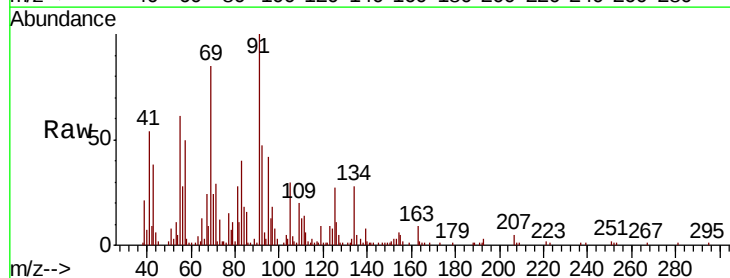
Tgt Ion: 91 Resp: 34626

Ion Ratio Lower Upper

91 100

92 73.2 26.3 78.9

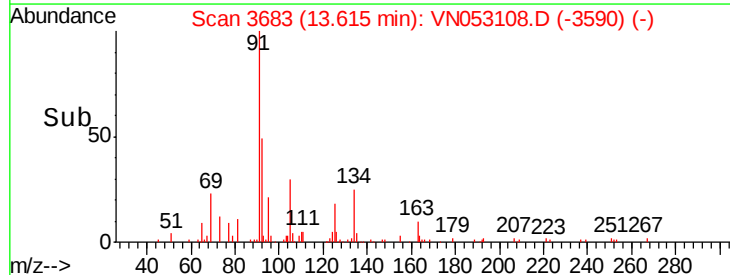
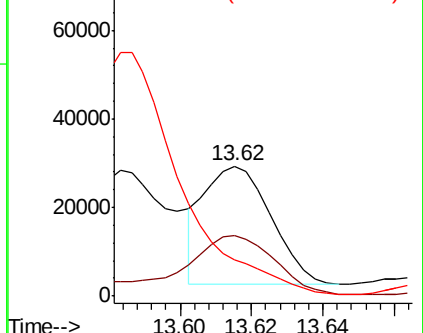
134 0.0 13.3 39.8#

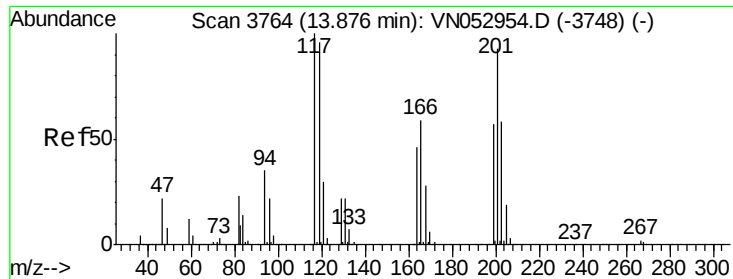


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 6.554 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

Instrument :

MSVOA_N

ClientSampleId :

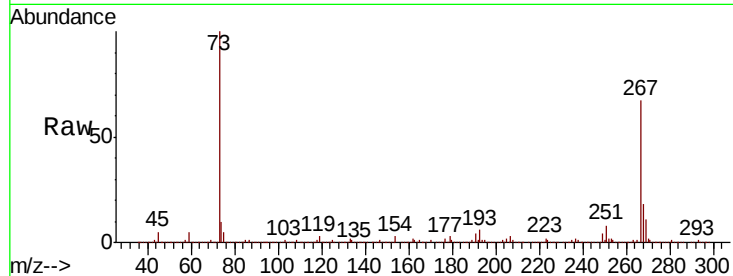
P001-SS013-1824-01ME

Tot Ion:117 Resp: 53492

Ion Ratio Lower Upper

117 100

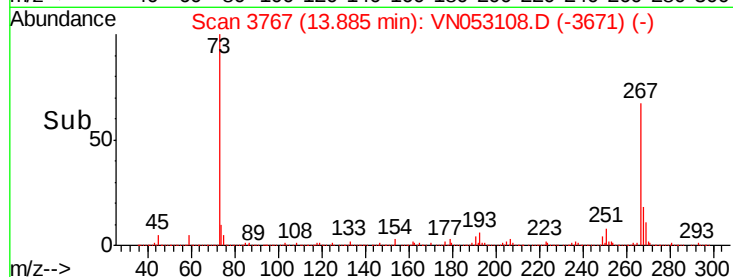
201 11.7 45.7 137.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

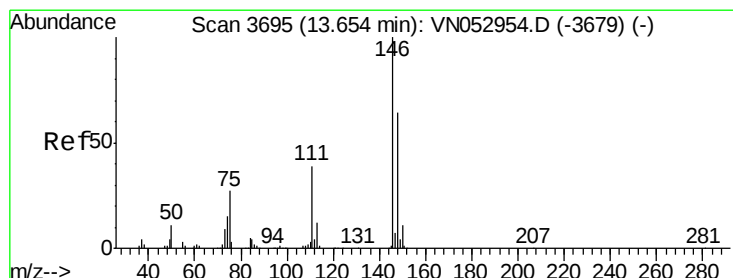
13.89



Abundance

13.85 13.90

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.336 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

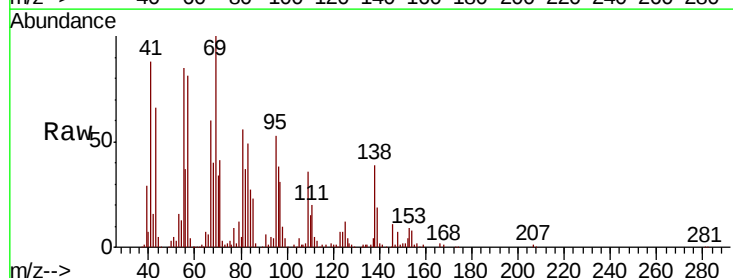
Tgt Ion:146 Resp: 9181

Ion Ratio Lower Upper

146 100

111 176.2 19.7 59.0#

148 65.8 32.0 96.0

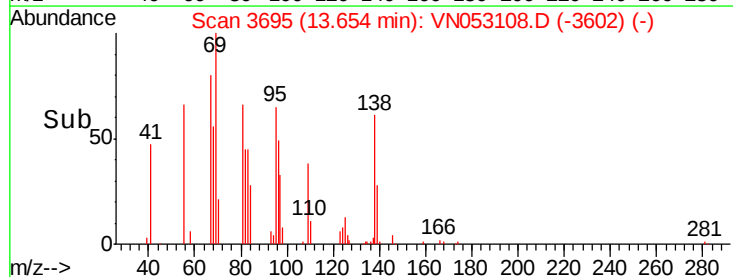


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

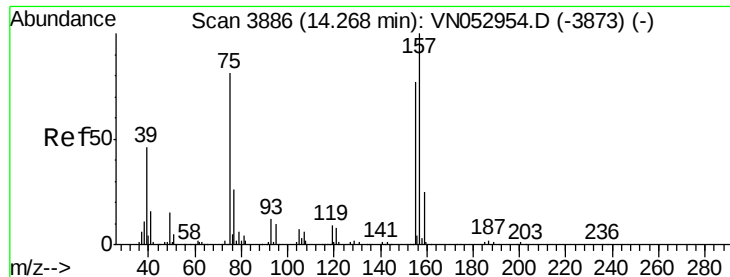
13.65



Abundance

13.60 13.65 13.70

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.605 ug/l

RT: 14.25 min Scan# 3881

Delta R.T. -0.02 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

Instrument :

MSVOA_N

ClientSampleId :

P001-SS013-1824-01ME

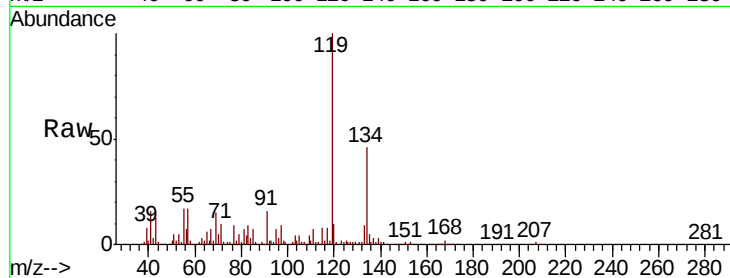
Tot Ion: 75 Resp: 1296

Ion Ratio Lower Upper

75 100

155 0.0 48.2 144.6#

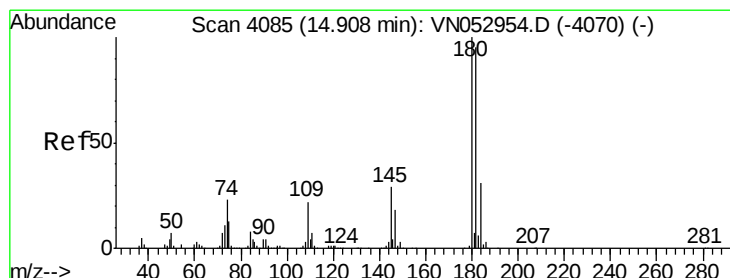
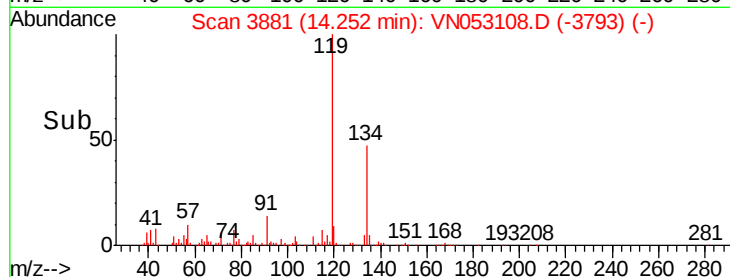
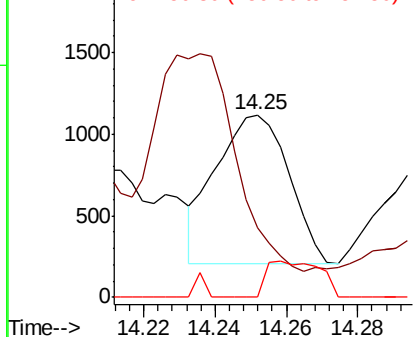
157 17.8 61.2 183.5#



Abundance Ion 74.90 (74.60 to 75.60): VN053108.D (-3793) (-)

Ion 154.80 (154.50 to 155.50): VN053108.D (-3793) (-)

Ion 156.80 (156.50 to 157.50): VN053108.D (-3793) (-)



#93

1,2,4-Trichlorobenzene

Concen: 14.853 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

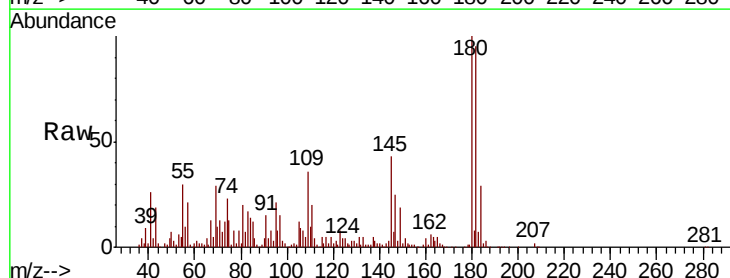
Tgt Ion: 180 Resp: 208935

Ion Ratio Lower Upper

180 100

182 95.9 47.8 143.3

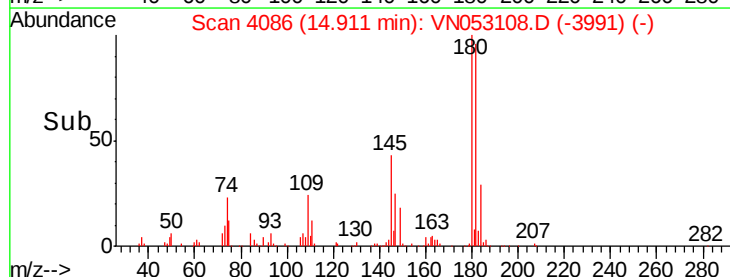
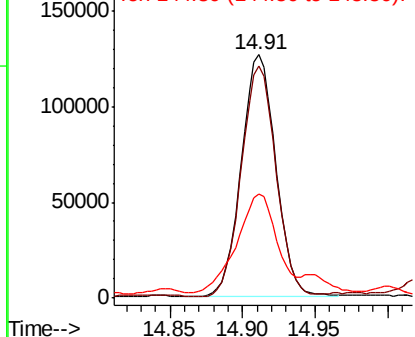
145 47.6 14.2 42.6#

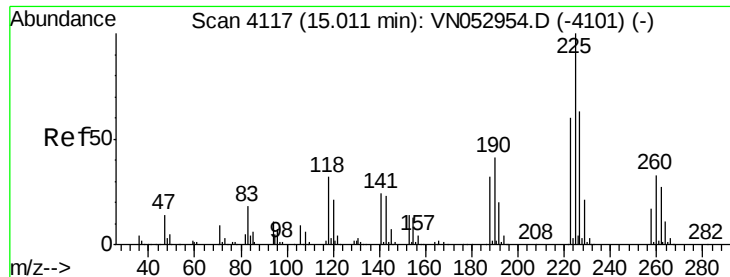


Abundance Ion 179.80 (179.50 to 180.50): VN053108.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN053108.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN053108.D (-3991) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

Instrument :

MSVOA_N

ClientSampleId :

P001-SS013-1824-01ME

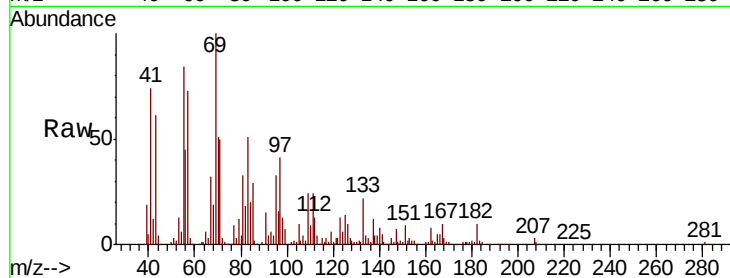
Tot Ion:225 Resp: 231

Ion Ratio Lower Upper

225 100

223 0.0 31.5 94.5#

227 30.3 31.9 95.7#



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

15.01

200

150

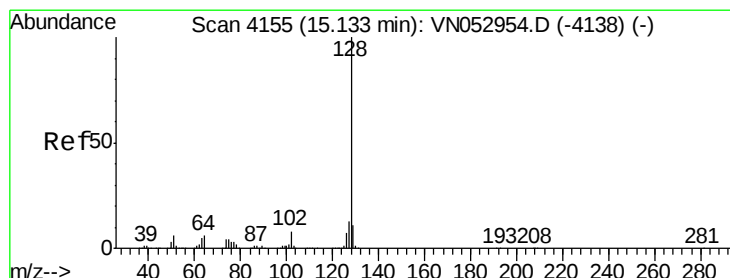
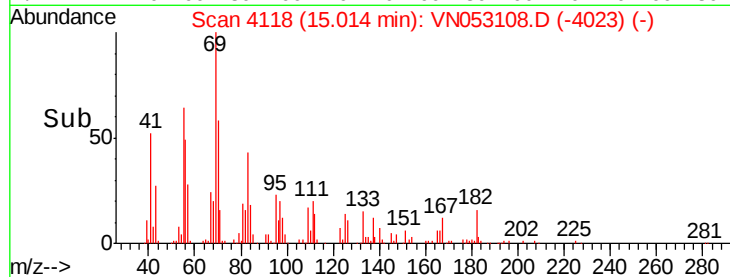
100

50

0

15.00 15.02

Time-->



#95

Naphthalene

Concen: 14.383 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN053108.D

Acq: 21 Dec 2018 18:01

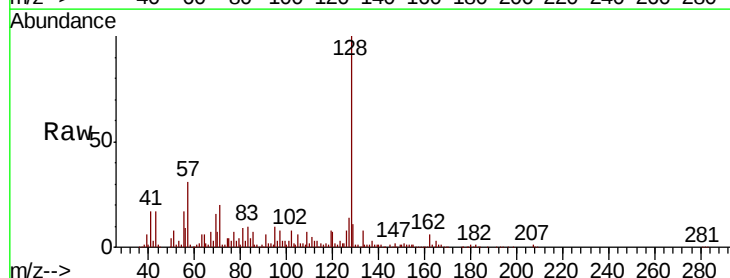
Tgt Ion:128 Resp: 429732

Ion Ratio Lower Upper

128 100

127 14.3 10.2 15.4

129 11.1 8.6 13.0



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

15.14

300000

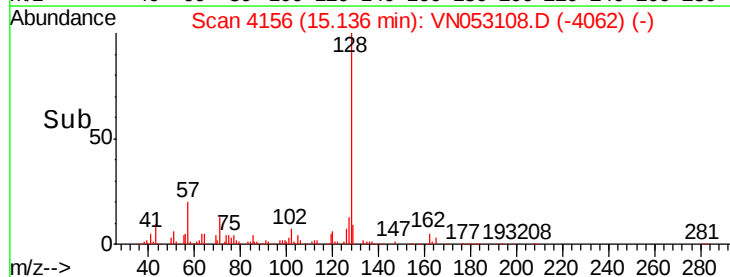
200000

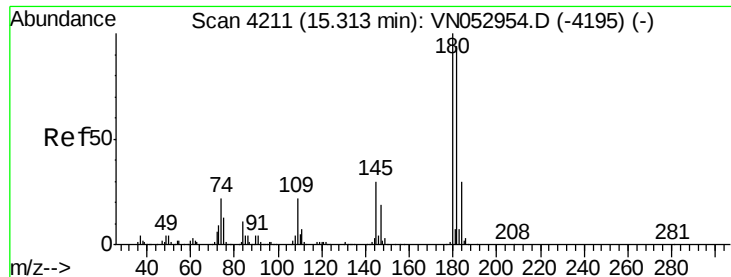
100000

0

15.05 15.10 15.15 15.20

Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 6.483 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN053108.D
 Acq: 21 Dec 2018 18:01

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS013-1824-01ME

Tot Ion	Ratio	Lower	Upper
180	100		
182	77.4	47.9	143.7
145	123.1	15.0	45.0

