

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122218\
 Data File : VN053140.D
 Acq On : 22 Dec 2018 18:32
 Operator : MD\SY
 Sample : J6426-07ME 10X
 Misc : 6.09g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 18 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS013-2430-01ME

Quant Time: Dec 23 23:07:51 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	1266834	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1931308	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1716580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	738967	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	619948	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
35) Dibromofluoromethane	7.59	113	506320	57.39	ug/l	0.00
Spiked Amount			Recovery	=	114.78%	
50) Toluene-d8	10.09	98	2345436	49.52	ug/l	0.00
Spiked Amount			Recovery	=	99.04%	
62) 4-Bromofluorobenzene	12.40	95	776873	46.73	ug/l	0.00
Spiked Amount			Recovery	=	93.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
15) Acrylonitrile	5.07	53	5454	1.252	ug/l #	35
16) Acetone	3.83	43	4778	1.896	ug/l	96
18) Methyl Acetate	4.34	43	6226	1.525	ug/l #	86
20) Methylene Chloride	4.56	84	6811	0.495	ug/l	92
25) 2-Butanone	6.82	43	2499	0.591	ug/l #	49
31) Cyclohexane	7.66	56	74975	2.369	ug/l #	62
36) 1,1-Dichloropropene	7.67	75	82925	4.473	ug/l #	48
37) Ethyl Acetate	6.82	43	2499	0.241	ug/l #	1
38) Carbon Tetrachloride	7.67	117	108687	6.397	ug/l #	16
39) Methylcyclohexane	9.08	83	139736	6.205	ug/l	97
43) Isopropyl Acetate	8.16	43	5888	Below Cal	#	53
48) Methyl methacrylate	9.14	41	4373	0.435	ug/l #	29
51) 4-Methyl-2-Pentanone	10.09	43	14065	1.403	ug/l #	1
53) t-1,3-Dichloropropene	10.16	75	210070	11.233	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	31878	2.674	ug/l #	19
56) Ethyl methacrylate	10.43	69	11097	0.703	ug/l #	1
59) 2-Hexanone	10.72	43	67628	9.974	ug/l #	28
64) Tetrachloroethene	10.63	164	4839	0.260	ug/l	90
65) Chlorobenzene	11.44	112	28570	0.751	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.24	131	8787	0.664	ug/l #	1
67) Ethyl Benzene	11.51	91	10560724	161.383	ug/l	100
68) m/p-Xylenes	11.51	106	3286740	132.119	ug/l #	22
69) o-Xylene	11.95	106	7320614	306.666	ug/l	95
70) Styrene	11.95	104	352873	9.065	ug/l #	1
73) Isopropylbenzene	12.25	105	304926	5.274	ug/l	100
74) N-amyl acetate	12.04	43	82939	5.167	ug/l #	55
75) 1,1,2,2-Tetrachloroethane	12.56	83	23746	2.093	ug/l #	68
76) 1,2,3-Trichloropropane	12.41	75	606795	48.779	ug/l #	100
77) Bromobenzene	12.57	156	9988	0.665	ug/l #	1
78) n-propylbenzene	12.59	91	521662	7.922	ug/l	99
79) 2-Chlorotoluene	12.65	91	130152	3.189	ug/l #	40
80) 1,3,5-Trimethylbenzene	12.73	105	623252	13.225	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.41	75	606795	157.220	ug/l #	21
82) 4-Chlorotoluene	12.73	91	62292	1.559	ug/l #	46

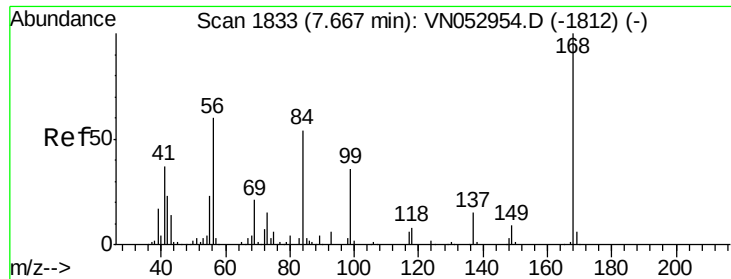
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN122218\
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
83) tert-Butylbenzene	13.04	119	214378	5.144	ug/l #	72
84) 1,2,4-Trimethylbenzene	13.04	105	1759658	37.143	ug/l	100
85) sec-Butylbenzene	13.17	105	66356	1.177	ug/l #	69
86) p-Isopropyltoluene	13.29	119	554616	11.385	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	24931	0.926	ug/l #	17
89) n-Butylbenzene	13.62	91	89789	2.143	ug/l #	69
90) Hexachloroethane	13.89	117	48760	6.523	ug/l #	10
91) 1,2-Dichlorobenzene	13.65	146	21272	0.850	ug/l #	4
92) 1,2-Dibromo-3-Chloropropan	14.25	75	2501	1.275	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	259939	19.961	ug/l #	91
94) Hexachlorobutadiene	15.29	225	3250	Below Cal	#	1
95) Naphthalene	15.13	128	779700	27.367	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	58133	5.326	ug/l #	34

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

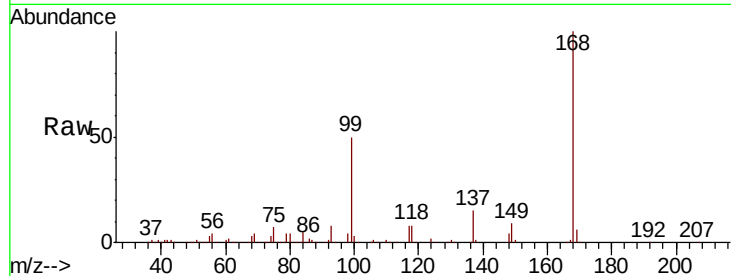
P001-SS013-2430-01ME

Tot Ion:168 Resp: 1266834

Ion Ratio Lower Upper

168 100

99 49.5 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): VN053140.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN053140.D (-1740) (-)

7.67

600000

500000

400000

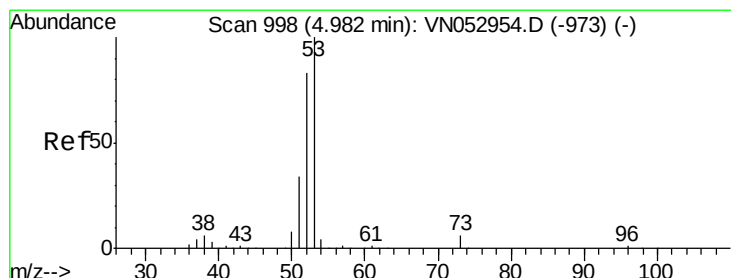
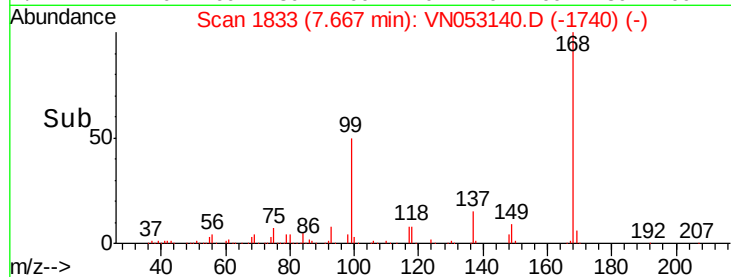
300000

200000

100000

0

Time-->



#15

Acrylonitrile

Concen: 1.252 ug/l

RT: 5.07 min Scan# 1024

Delta R.T. 0.08 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

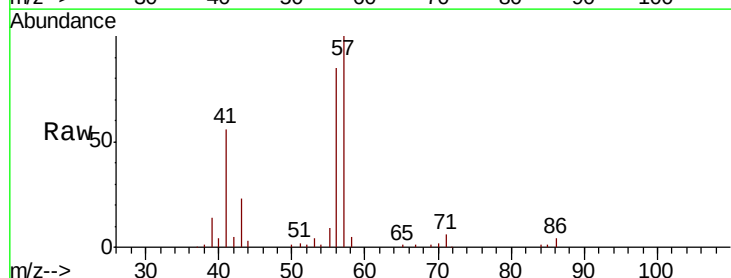
Tgt Ion: 53 Resp: 5454

Ion Ratio Lower Upper

53 100

52 9.5 65.1 97.7#

51 51.4 28.1 42.1#



Abundance Ion 53.00 (52.70 to 53.70): VN053140.D (-905) (-)

Ion 52.00 (51.70 to 52.70): VN053140.D (-905) (-)

Ion 51.00 (50.70 to 51.70): VN053140.D (-905) (-)

5.07

2000

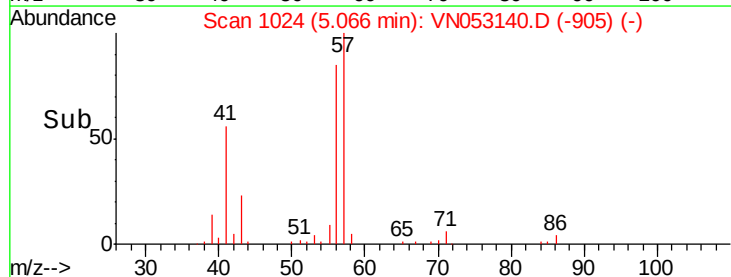
1500

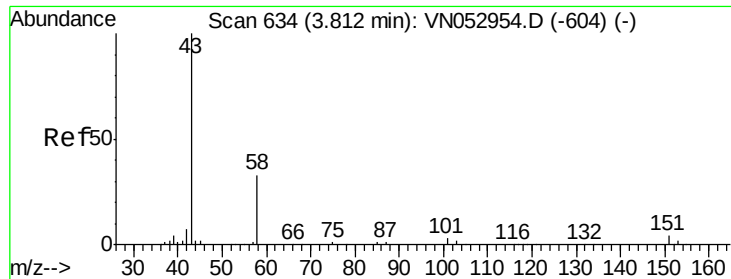
1000

500

0

Time-->





#16

Acetone

Concen: 1.896 ug/l

RT: 3.83 min Scan# 639

Delta R.T. 0.02 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

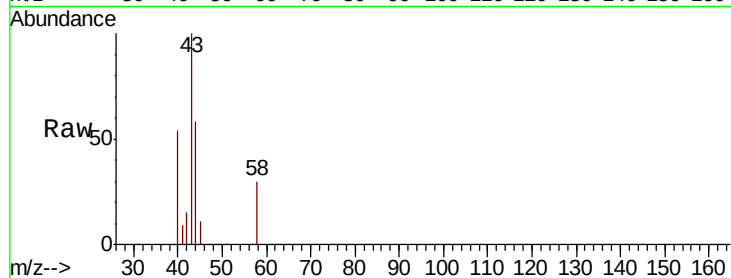
P001-SS013-2430-01ME

Tot Ion: 43 Resp: 4778

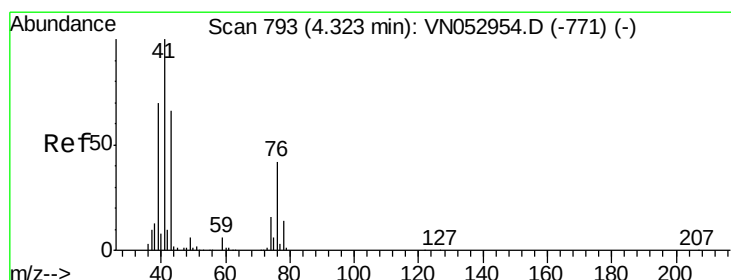
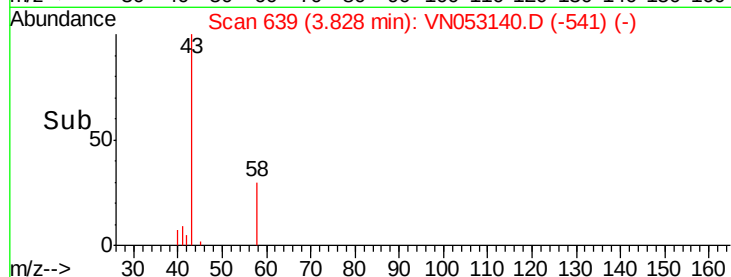
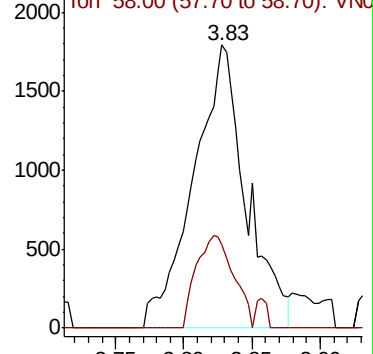
Ion Ratio Lower Upper

43 100

58 29.6 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN053140.D (-541) (-)



#18

Methyl Acetate

Concen: 1.525 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN053140.D

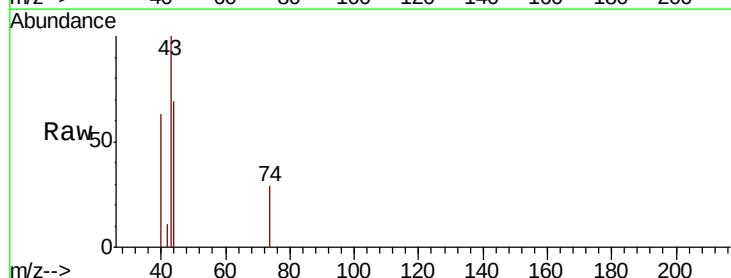
Acq: 22 Dec 2018 18:32

Tgt Ion: 43 Resp: 6226

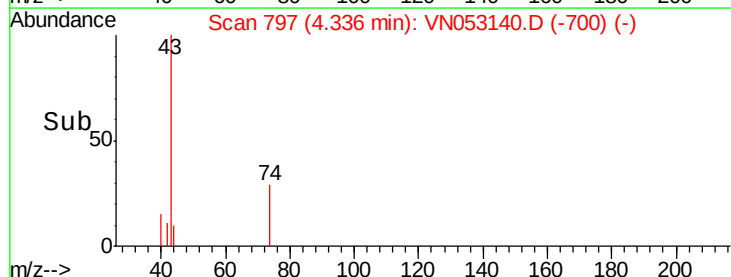
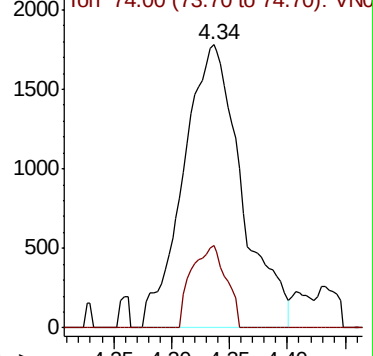
Ion Ratio Lower Upper

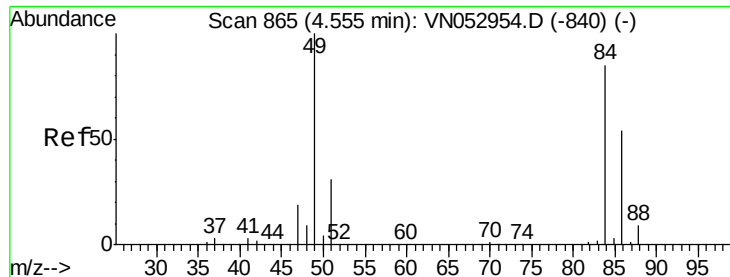
43 100

74 17.3 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN053140.D (-700) (-)

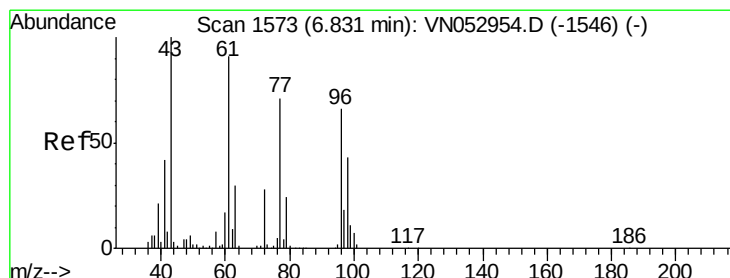
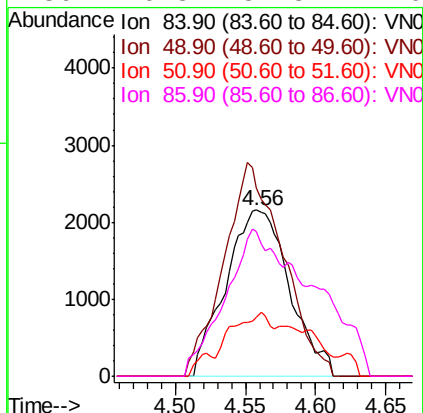
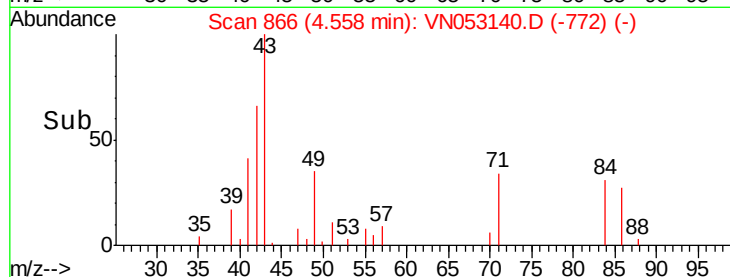
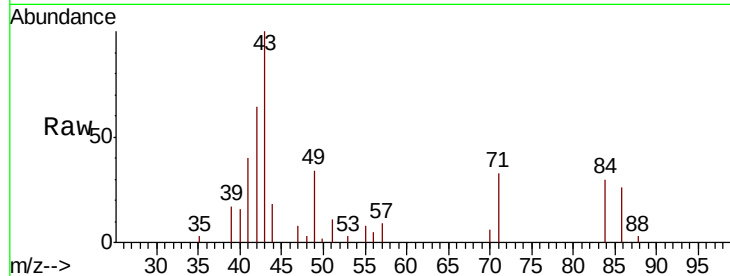




#20
Methylene Chloride
Concen: 0.495 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN053140.D
Acq: 22 Dec 2018 18:32

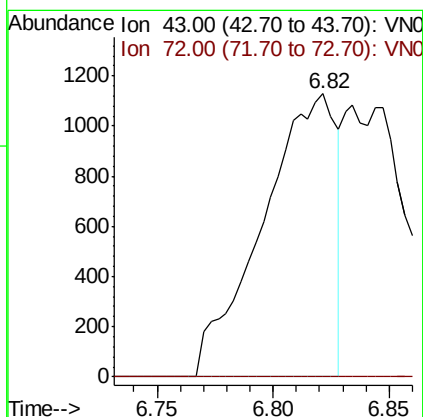
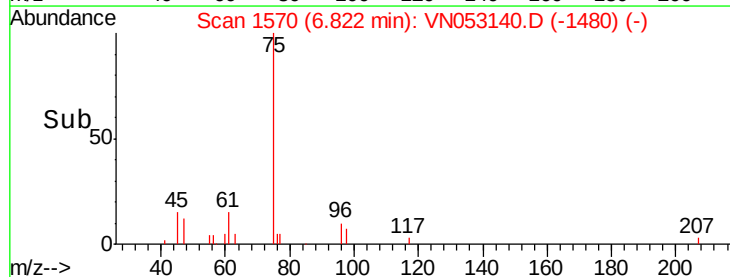
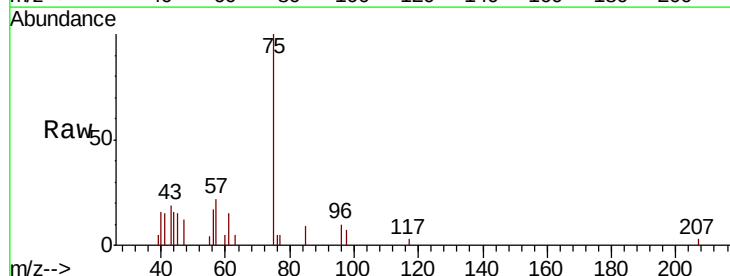
Instrument :
MSVOA_N
ClientSampleId :
P001-SS013-2430-01ME

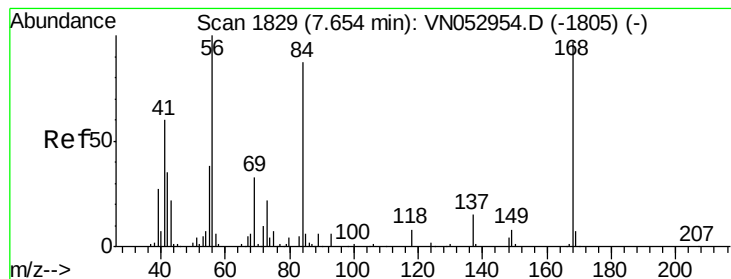
Tot Ion:	84	Resp:	6811
Ion	Ratio	Lower	Upper
84	100		
49	113.6	96.8	145.2
51	35.6	29.9	44.9
86	76.3	51.8	77.6



#25
2-Butanone
Concen: 0.591 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VN053140.D
Acq: 22 Dec 2018 18:32

Tgt Ion:	43	Resp:	2499
Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.0	31.6#





#31

Cyclohexane

Concen: 2.369 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

P001-SS013-2430-01ME

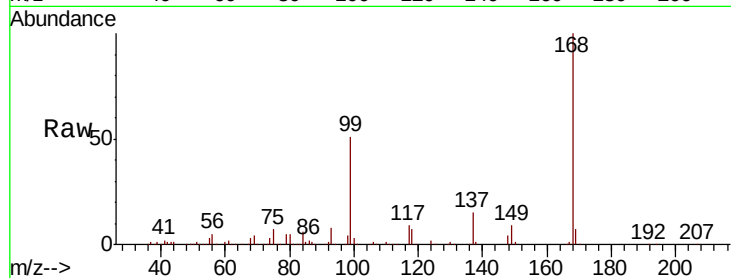
Tot Ion: 56 Resp: 74975

Ion Ratio Lower Upper

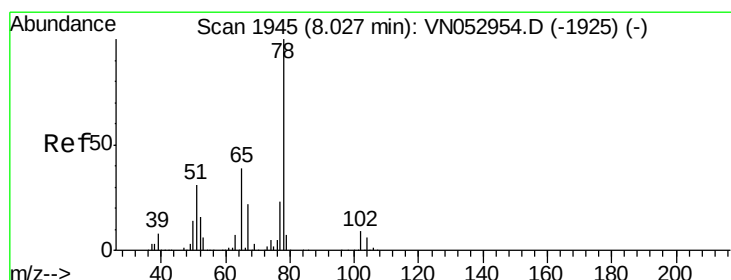
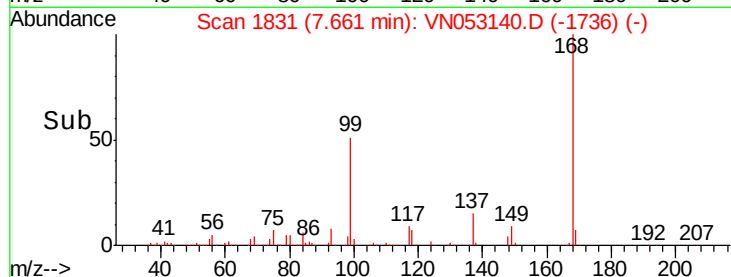
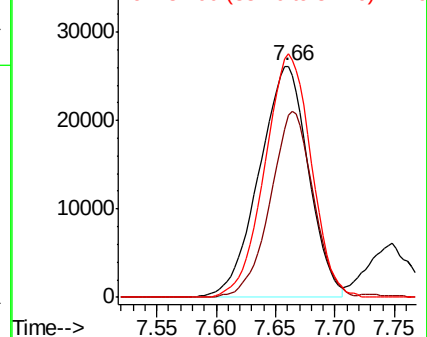
56 100

69 78.5 26.6 39.8#

84 105.2 68.4 102.6#



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: Below ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN053140.D

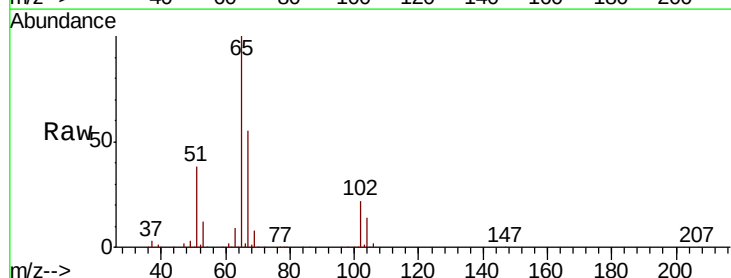
Acq: 22 Dec 2018 18:32

Tgt Ion: 65 Resp: 619948

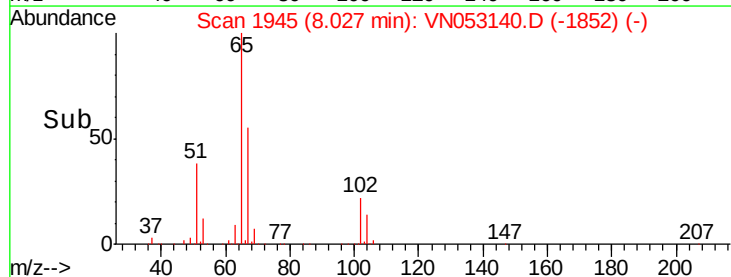
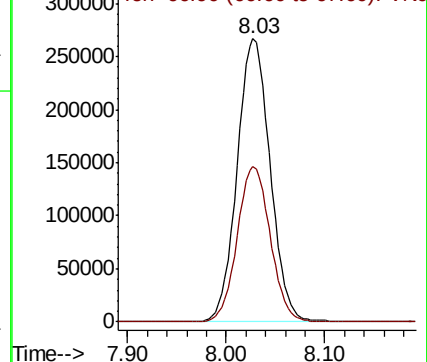
Ion Ratio Lower Upper

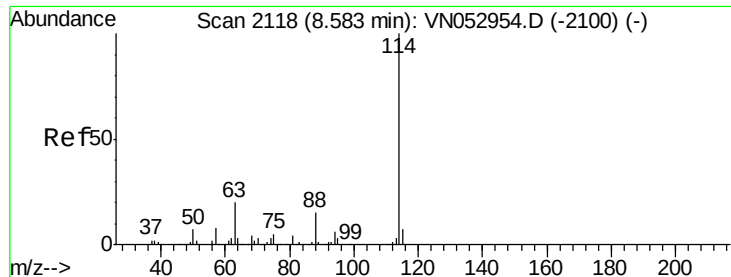
65 100

67 55.0 0.0 110.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

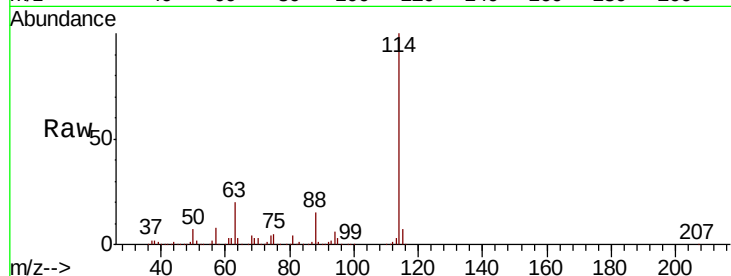




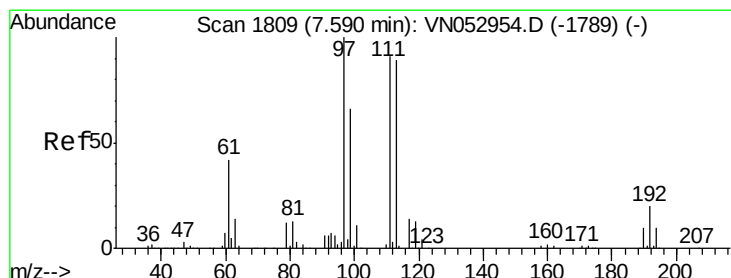
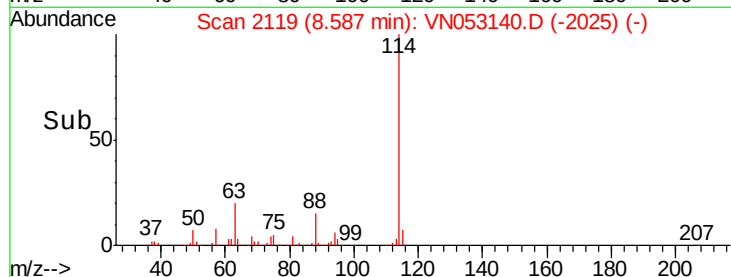
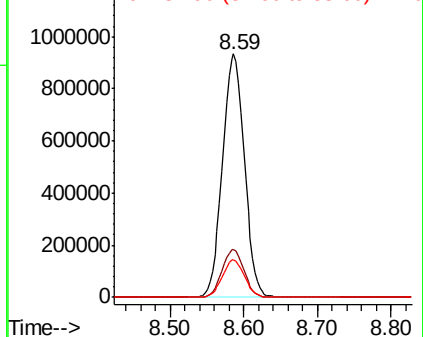
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053140.D
 Acq: 22 Dec 2018 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS013-2430-01ME

Tot Ion:114 Resp: 1931308
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.4 0.0 31.0

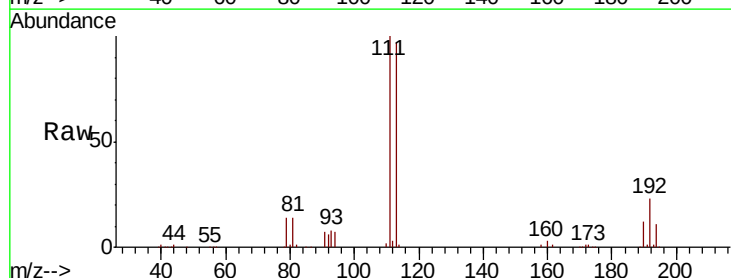


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

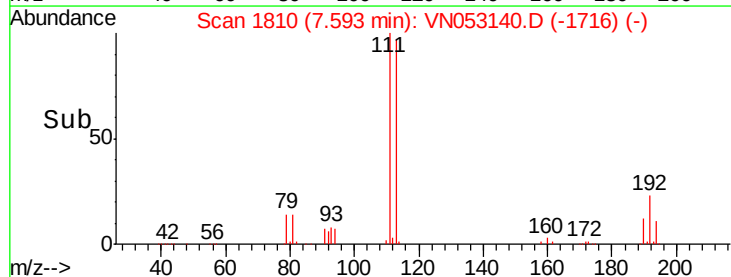
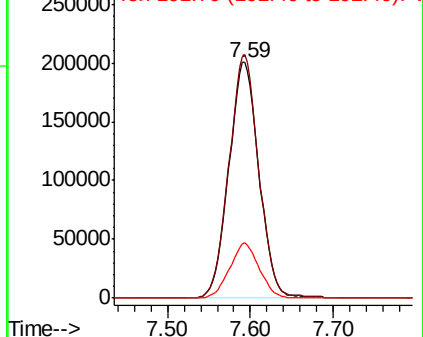


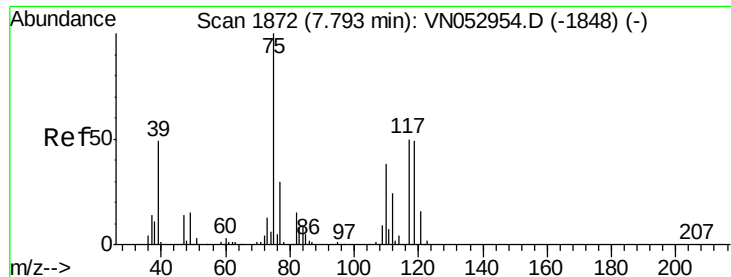
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN053140.D
 Acq: 22 Dec 2018 18:32

Tgt Ion:113 Resp: 506320
 Ion Ratio Lower Upper
 113 100
 111 101.4 83.0 124.4
 192 22.9 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: 4.473 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

P001-SS013-2430-01ME

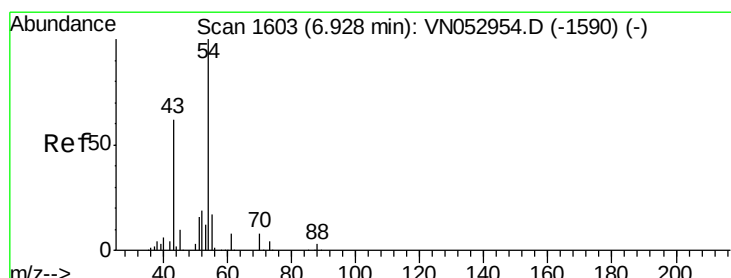
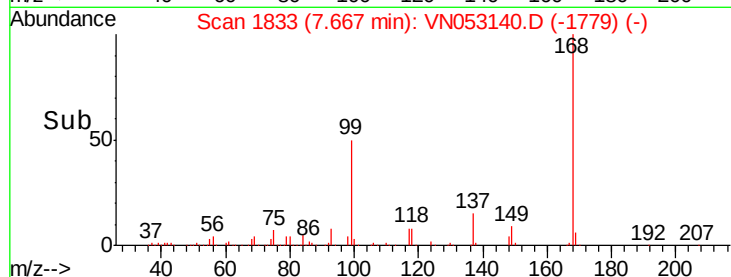
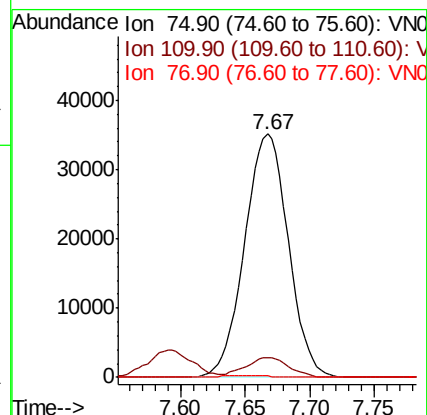
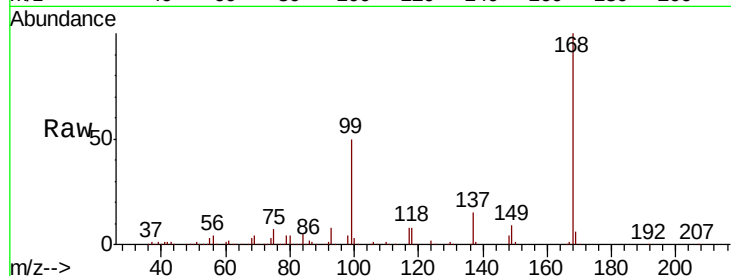
Tot Ion: 75 Resp: 82925

Ion Ratio Lower Upper

75 100

110 8.1 18.2 54.6#

77 0.4 24.9 37.3#



#37

Ethyl Acetate

Concen: 0.241 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.11 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

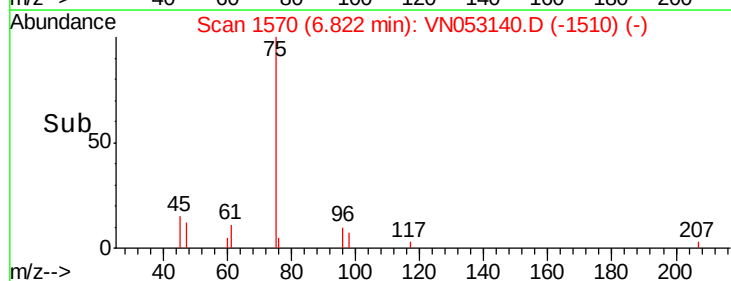
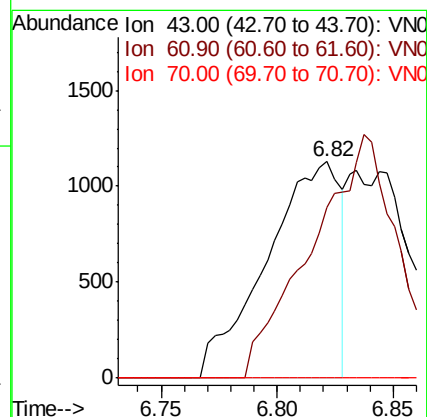
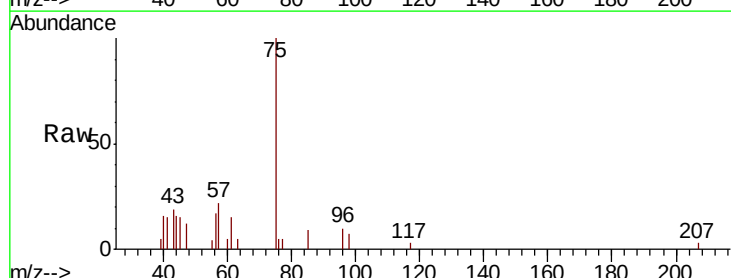
Tgt Ion: 43 Resp: 2499

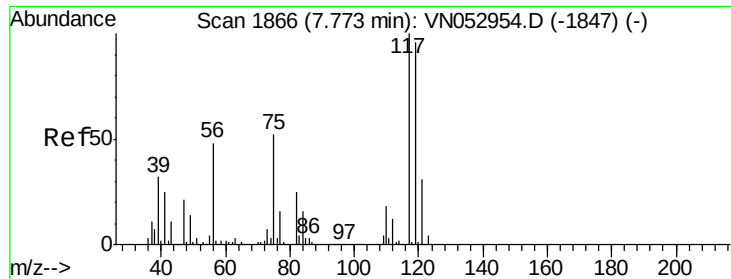
Ion Ratio Lower Upper

43 100

61 132.5 11.8 17.6#

70 0.0 8.4 12.6#





#38

Carbon Tetrachloride

Concen: 6.397 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

P001-SS013-2430-01ME

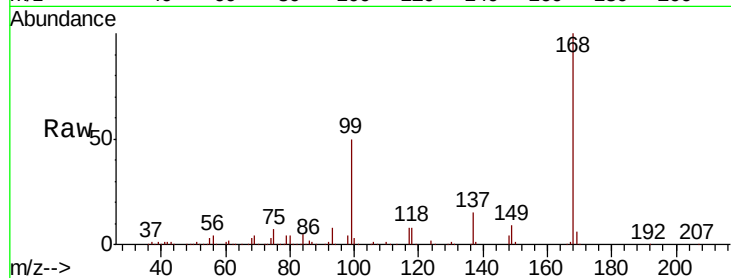
Tot Ion:117 Resp: 108687

Ion Ratio Lower Upper

117 100

119 5.2 77.1 115.7#

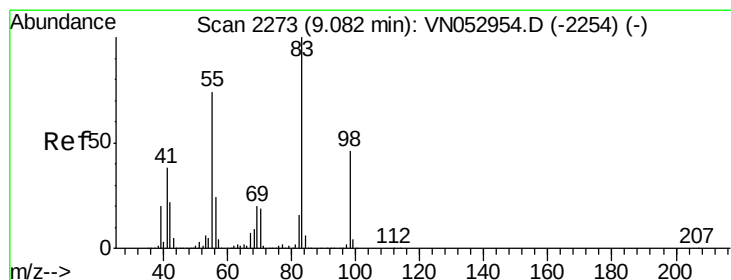
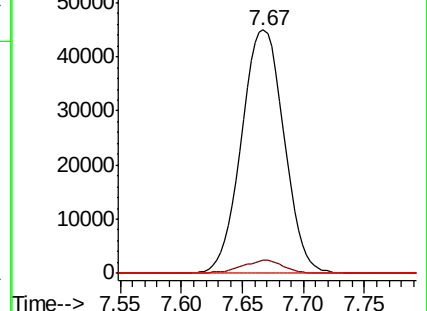
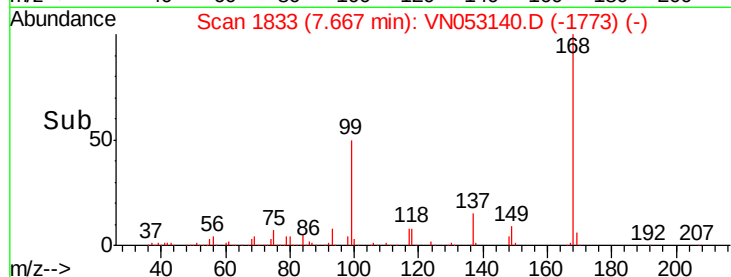
121 0.0 24.9 37.3#



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: 6.205 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

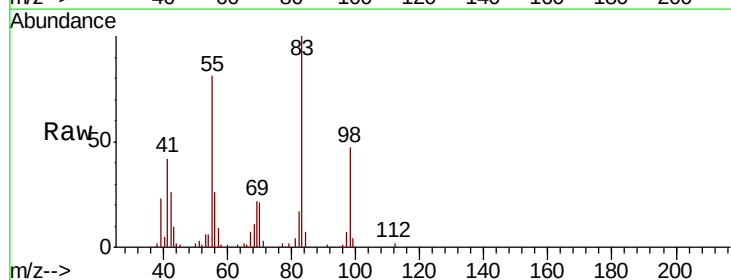
Tgt Ion: 83 Resp: 139736

Ion Ratio Lower Upper

83 100

55 81.1 61.3 91.9

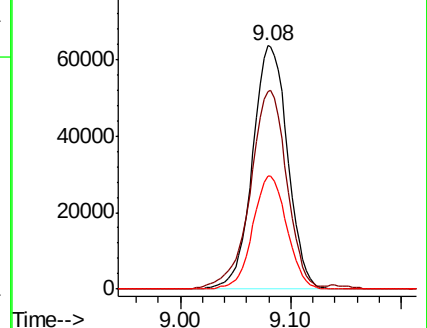
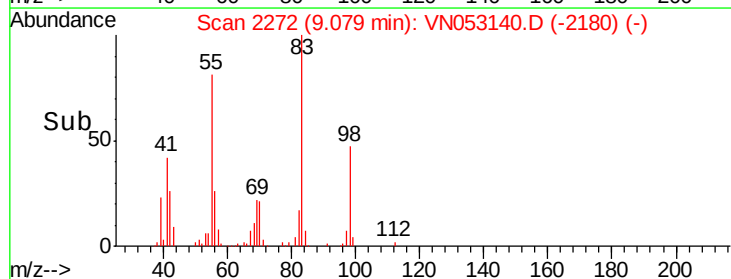
98 46.5 37.0 55.4

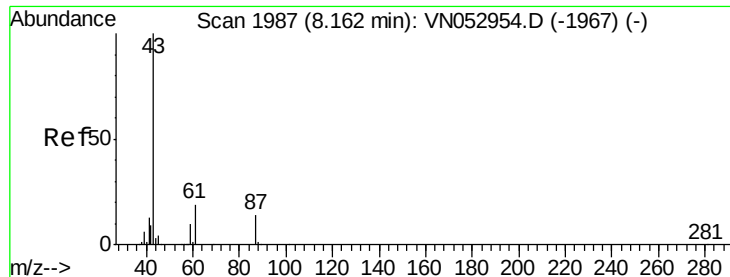


Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0





#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.16 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

P001-SS013-2430-01ME

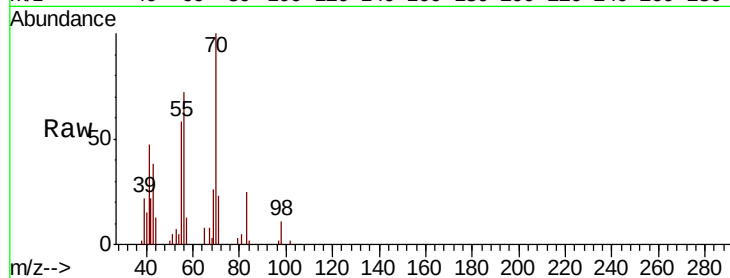
Tot Ion: 43 Resp: 5888

Ion Ratio Lower Upper

43 100

61 0.0 22.9 34.3#

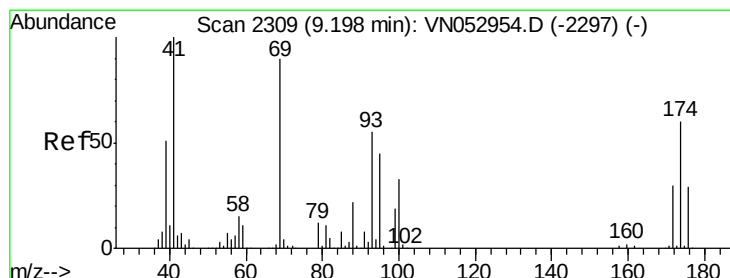
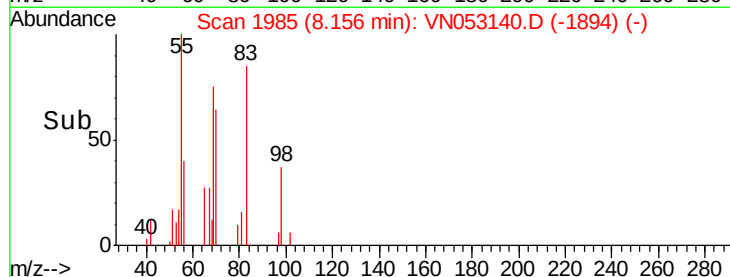
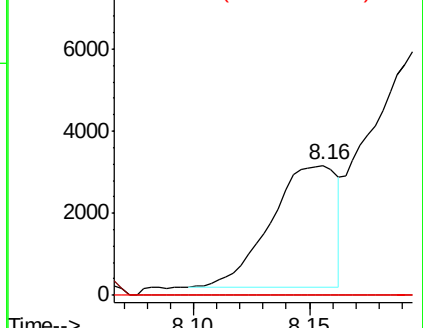
87 0.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#48

Methyl methacrylate

Concen: 0.435 ug/l

RT: 9.14 min Scan# 2292

Delta R.T. -0.05 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

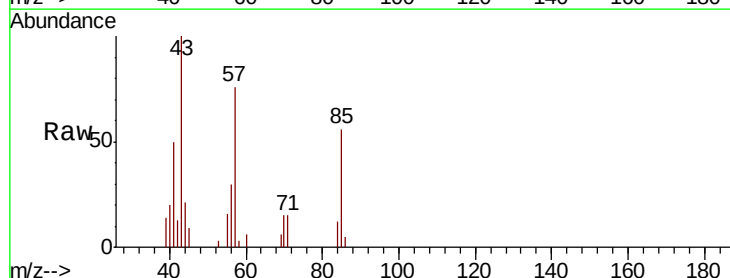
Tgt Ion: 41 Resp: 4373

Ion Ratio Lower Upper

41 100

69 0.0 72.2 108.2#

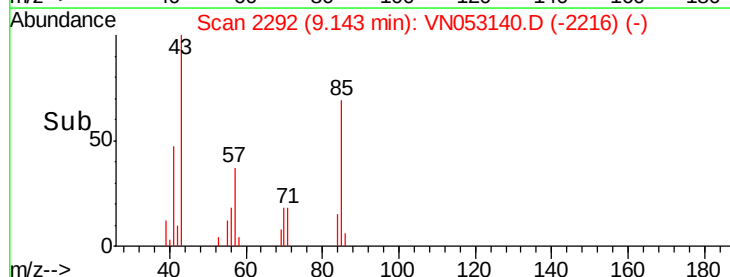
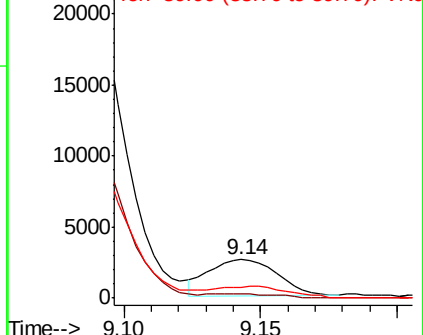
39 32.7 41.9 62.9#

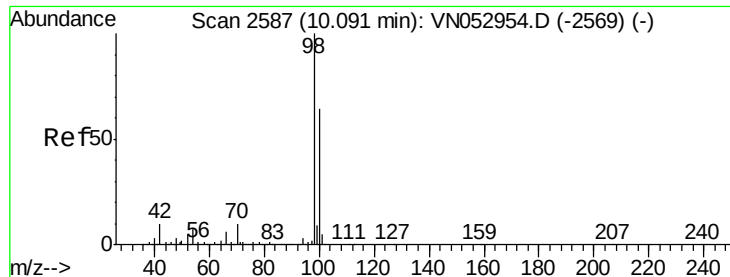


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

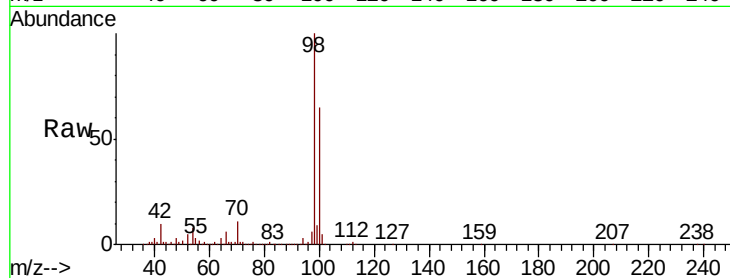
P001-SS013-2430-01ME

Tot Ion: 98 Resp: 2345436

Ion Ratio Lower Upper

98 100

100 64.4 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VN053140.D (-2494) (-)

Ion 100.00 (99.70 to 100.70): VN053140.D (-2494) (-)

10.09

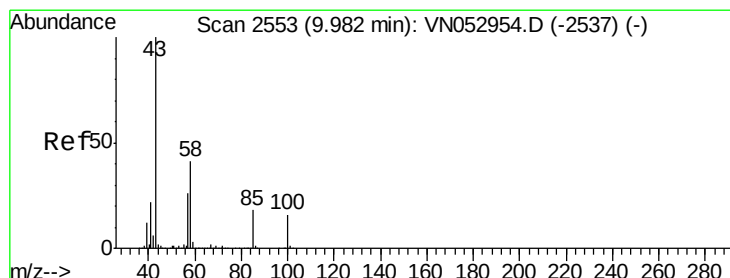
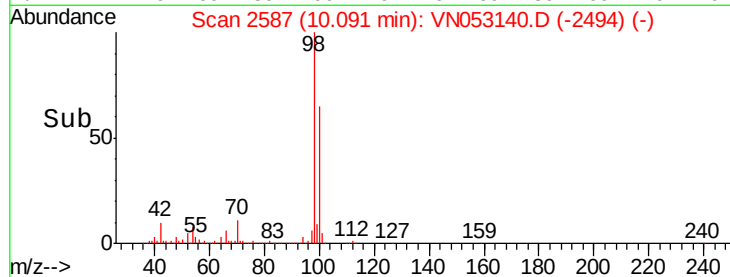
1500000

1000000

500000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.403 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.11 min

Lab File: VN053140.D

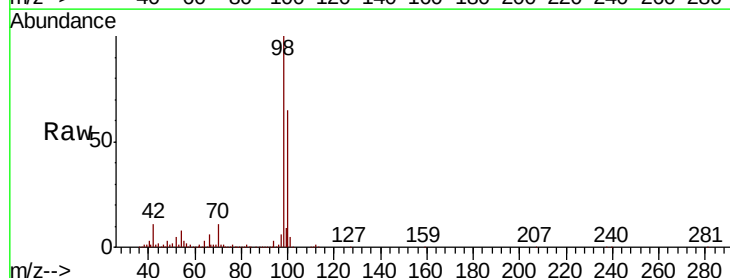
Acq: 22 Dec 2018 18:32

Tgt Ion: 43 Resp: 14065

Ion Ratio Lower Upper

43 100

58 127.9 32.2 48.4#



Abundance Ion 43.00 (42.70 to 43.70): VN053140.D (-2460) (-)

Ion 58.00 (57.70 to 58.70): VN053140.D (-2460) (-)

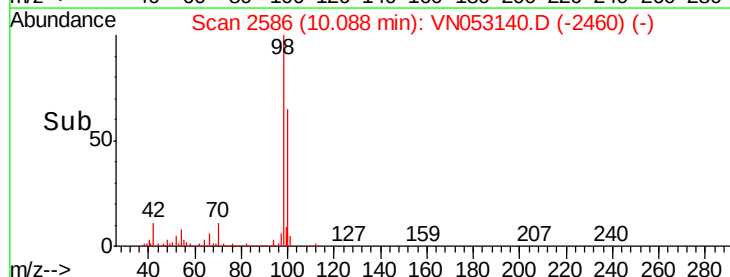
150000

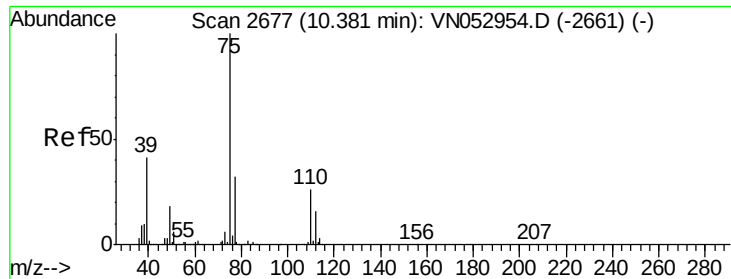
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 11.233 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.23 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

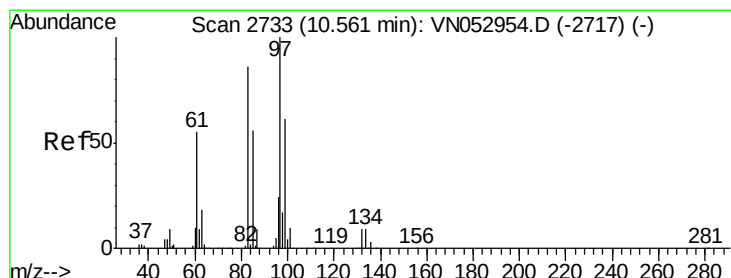
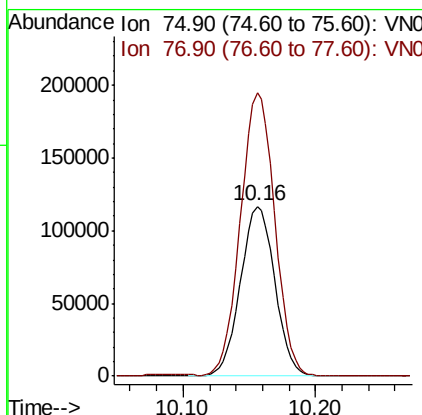
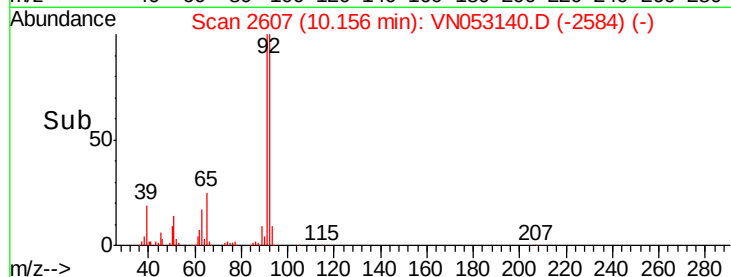
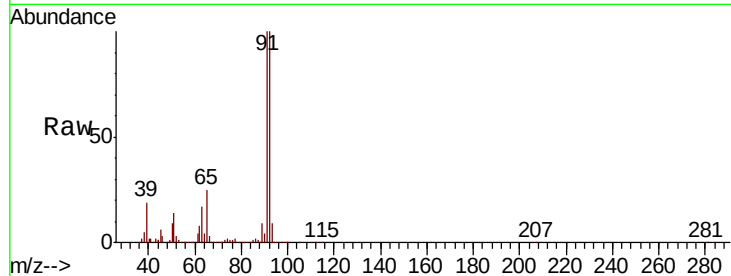
P001-SS013-2430-01ME

Tot Ion: 75 Resp: 210070

Ion Ratio Lower Upper

75 100

77 166.5 25.6 38.4#



#55

1,1,2-Trichloroethane

Concen: 2.674 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

Tgt Ion: 97 Resp: 31878

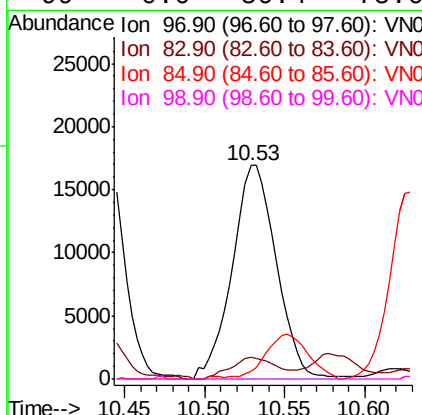
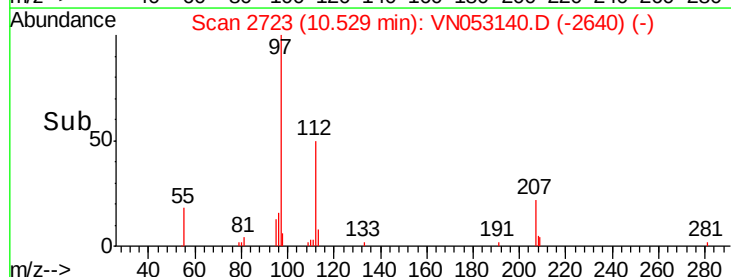
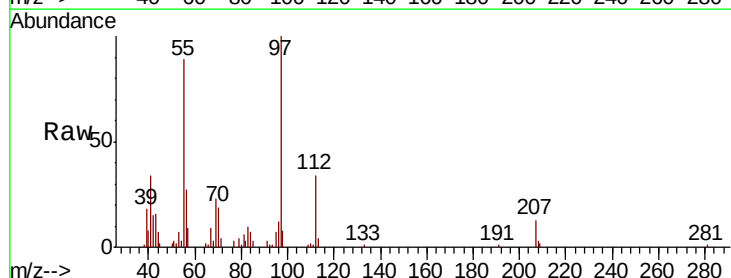
Ion Ratio Lower Upper

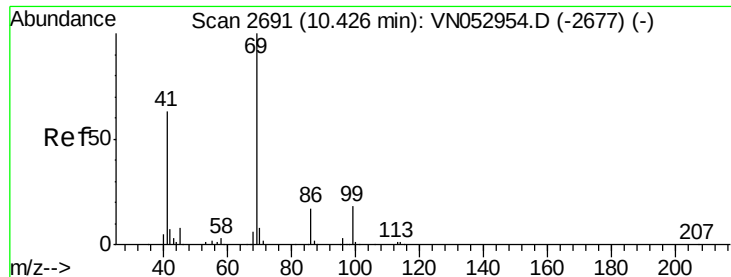
97 100

83 9.0 70.9 106.3#

85 3.5 45.4 68.2#

99 0.0 50.4 75.6#

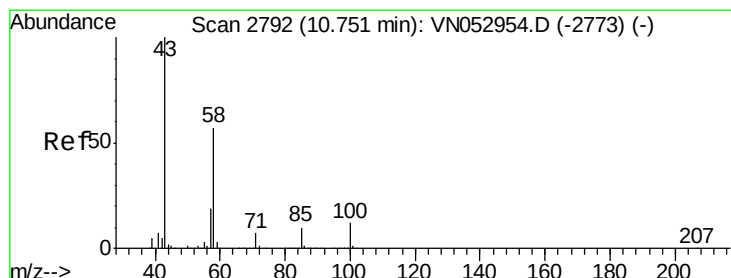
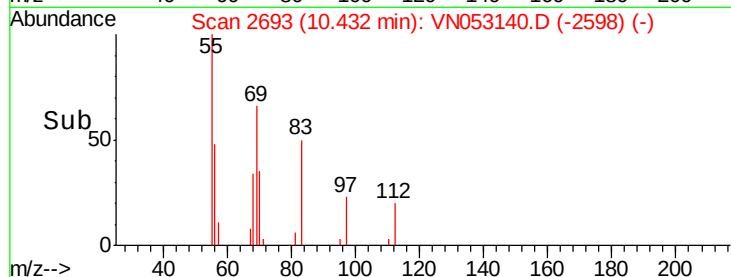
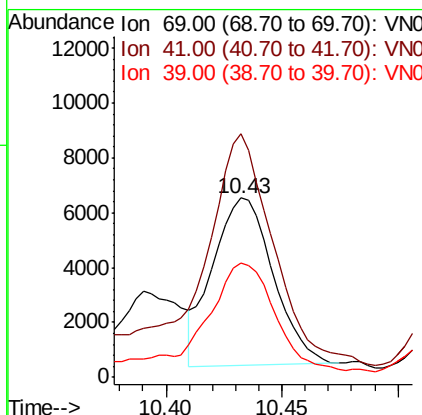
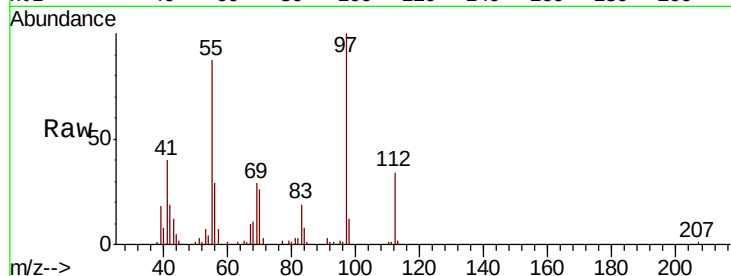




#56
Ethyl methacrylate
Concen: 0.703 ug/l
RT: 10.43 min Scan# 2693
Delta R.T. 0.01 min
Lab File: VN053140.D
Acq: 22 Dec 2018 18:32

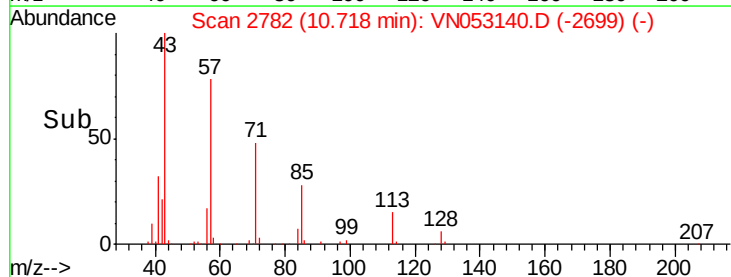
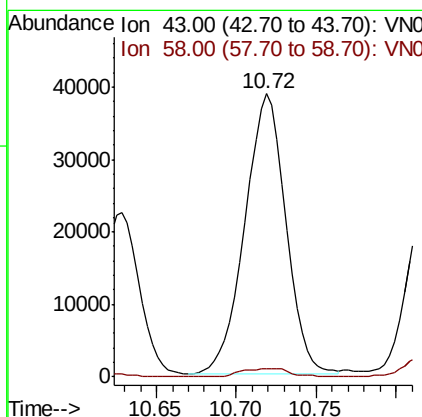
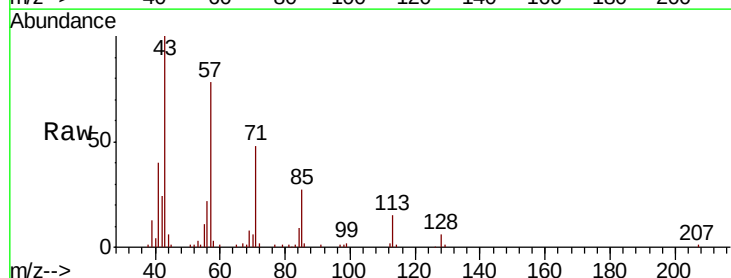
Instrument :
MSVOA_N
ClientSampleId :
P001-SS013-2430-01ME

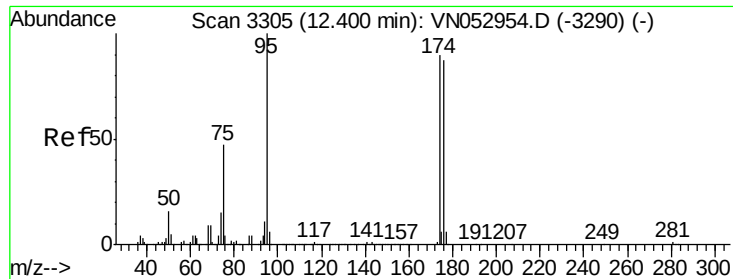
Tot Ion: 69 Resp: 11097
Ion Ratio Lower Upper
69 100
41 159.3 51.7 77.5#
39 0.0 24.6 37.0#



#59
2-Hexanone
Concen: 9.974 ug/l
RT: 10.72 min Scan# 2782
Delta R.T. -0.03 min
Lab File: VN053140.D
Acq: 22 Dec 2018 18:32

Tgt Ion: 43 Resp: 67628
Ion Ratio Lower Upper
43 100
58 3.6 28.1 84.3#

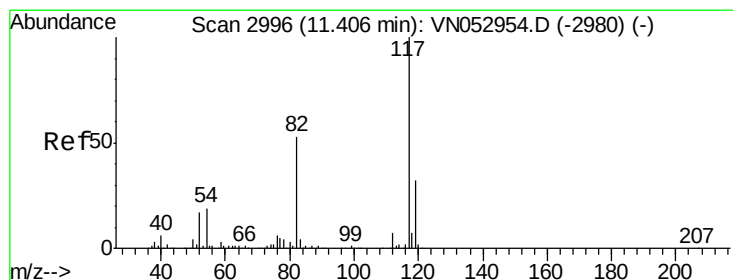
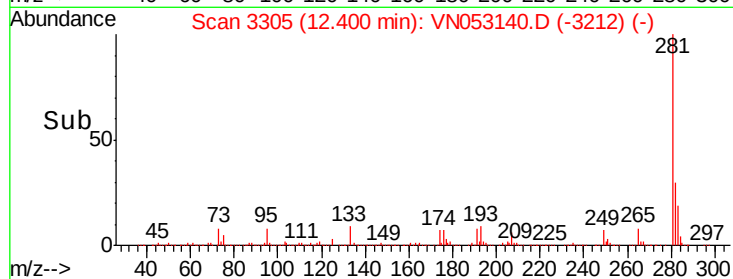
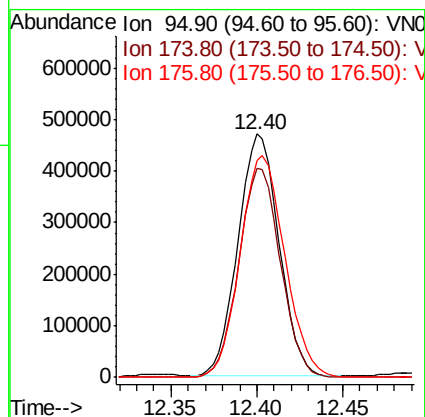
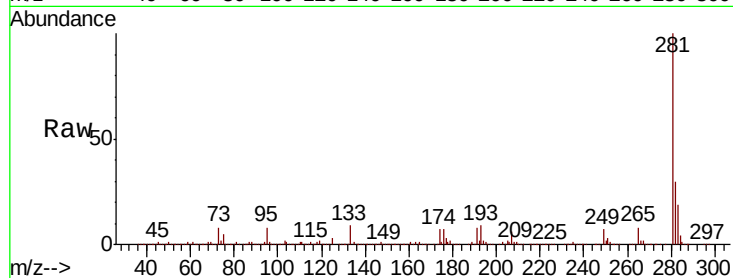




#62
4-Bromofluorobenzene
Concen: Below ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN053140.D
Acq: 22 Dec 2018 18:32

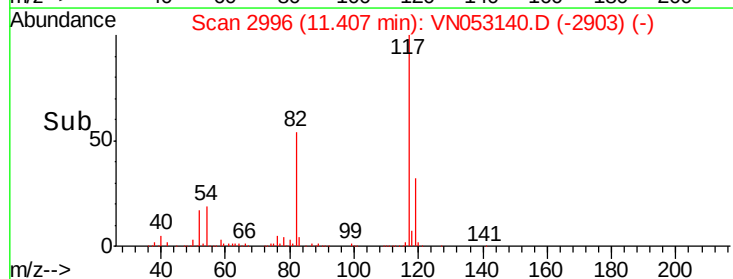
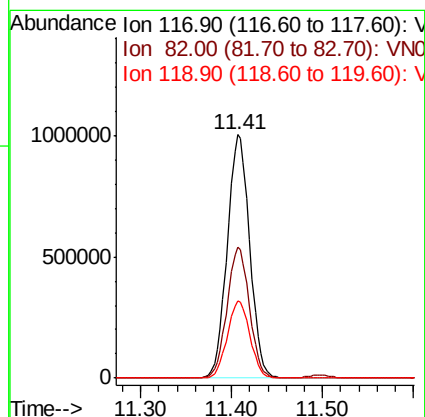
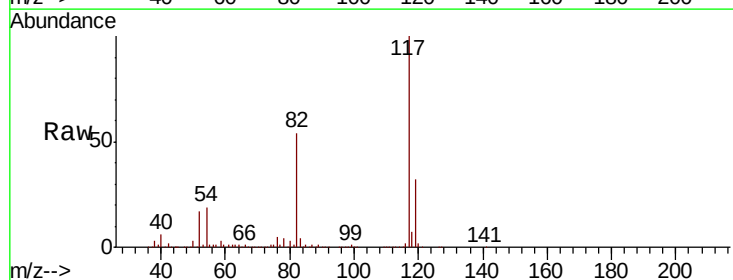
Instrument :
MSVOA_N
ClientSampleId :
P001-SS013-2430-01ME

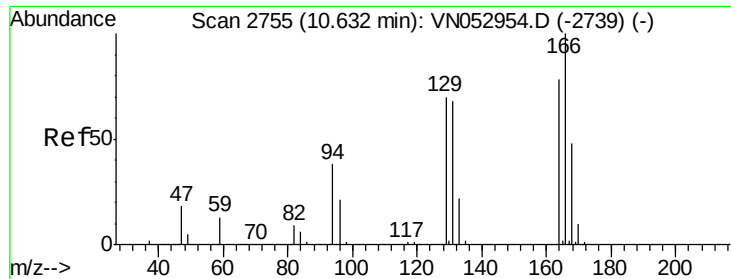
Tot Ion: 95 Resp: 776873
Ion Ratio Lower Upper
95 100
174 87.7 0.0 178.8
176 99.6 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053140.D
Acq: 22 Dec 2018 18:32

Tgt Ion: 117 Resp: 1716580
Ion Ratio Lower Upper
117 100
82 53.9 42.8 64.2
119 31.8 25.5 38.3





#64

Tetrachloroethene

Concen: 0.260 ug/l

RT: 10.63 min Scan# 2755

Delta R.T. 0.00 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

P001-SS013-2430-01ME

Tot Ion:164 Resp: 4839

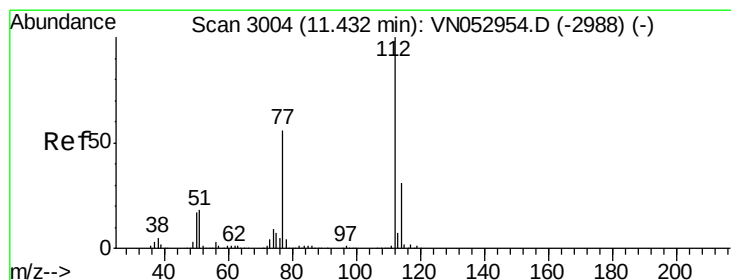
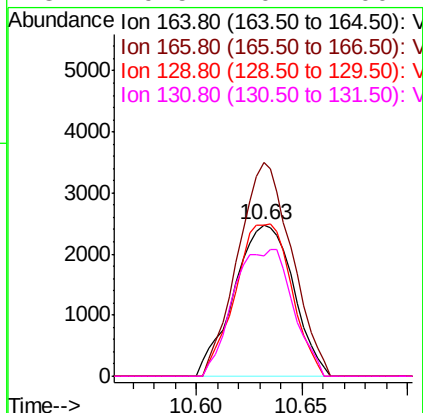
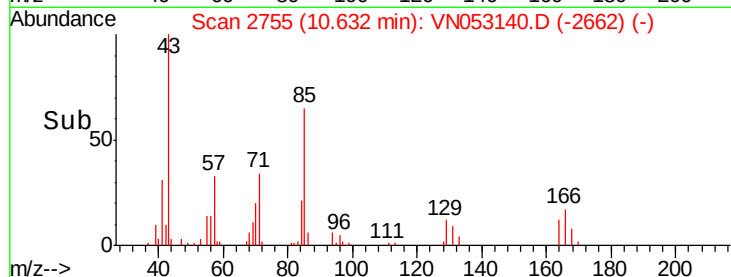
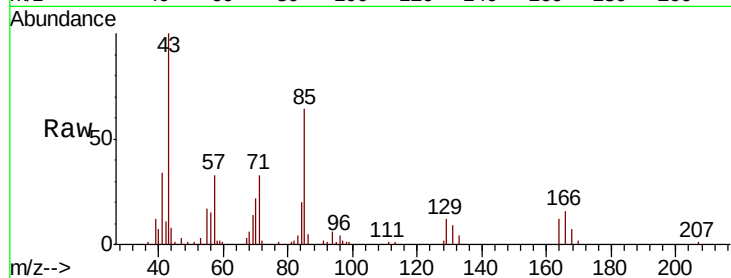
Ion Ratio Lower Upper

164 100

166 141.4 102.9 154.3

129 100.3 73.7 110.5

131 79.5 70.7 106.1



#65

Chlorobenzene

Concen: 0.751 ug/l

RT: 11.44 min Scan# 3005

Delta R.T. 0.00 min

Lab File: VN053140.D

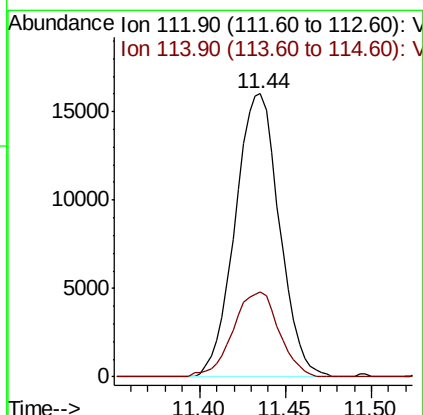
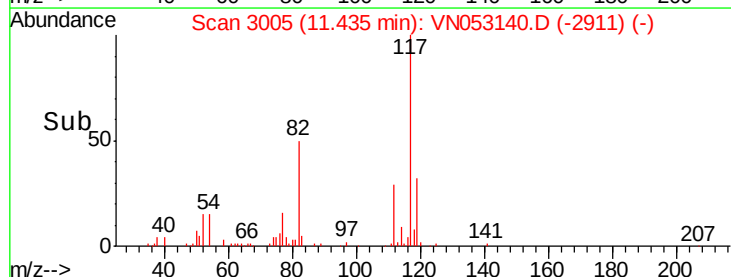
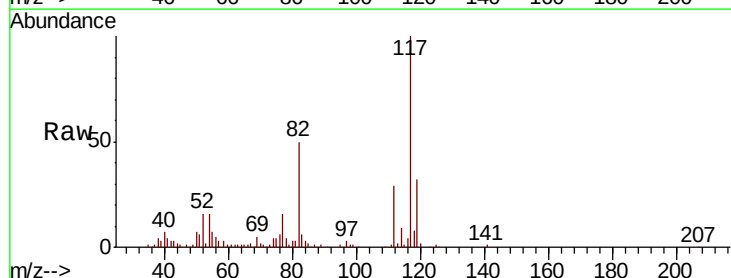
Acq: 22 Dec 2018 18:32

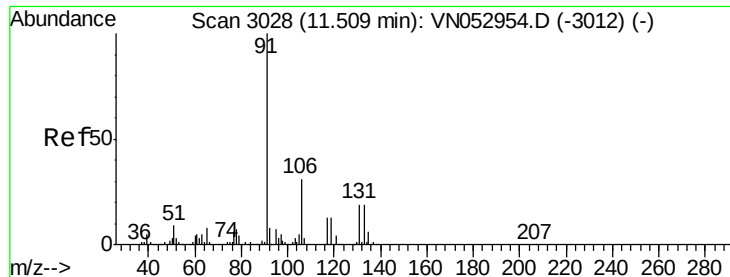
Tgt Ion:112 Resp: 28570

Ion Ratio Lower Upper

112 100

114 30.0 25.5 38.3





#66

1,1,1,2-Tetrachloroethane

Concen: 0.664 ug/l

RT: 11.24 min Scan# 2944

Delta R.T. -0.27 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

P001-SS013-2430-01ME

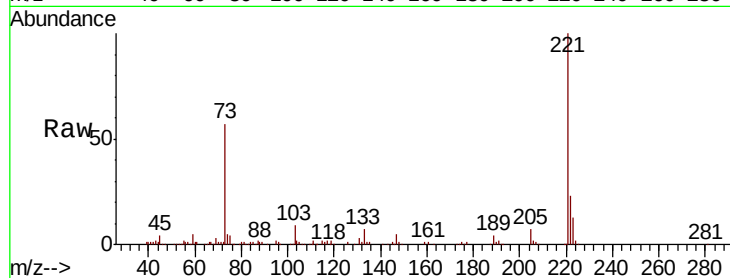
Tot Ion:131 Resp: 8787

Ion Ratio Lower Upper

131 100

133 226.6 47.6 142.9#

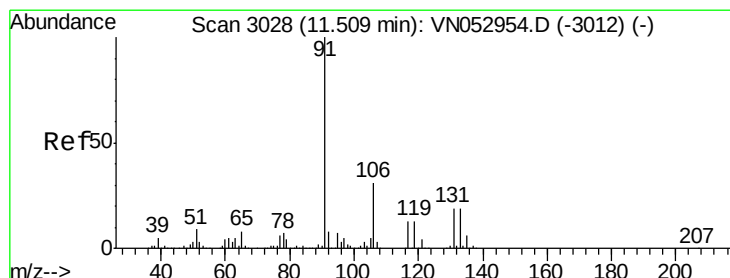
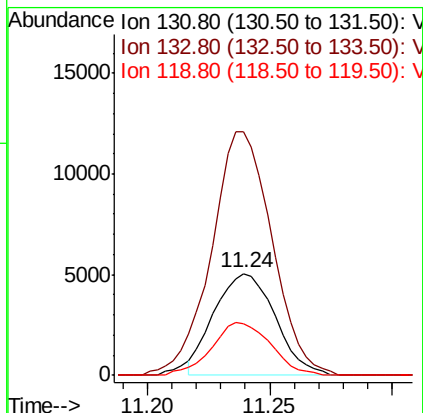
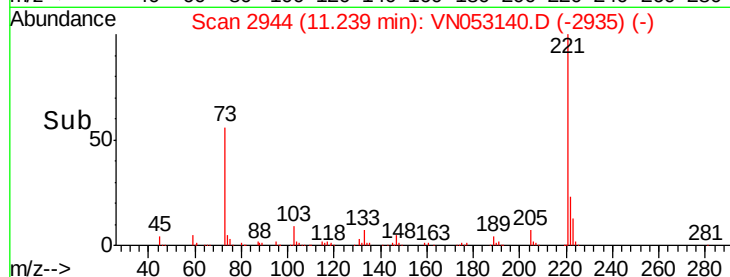
119 0.0 33.3 99.8#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 161.383 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN053140.D

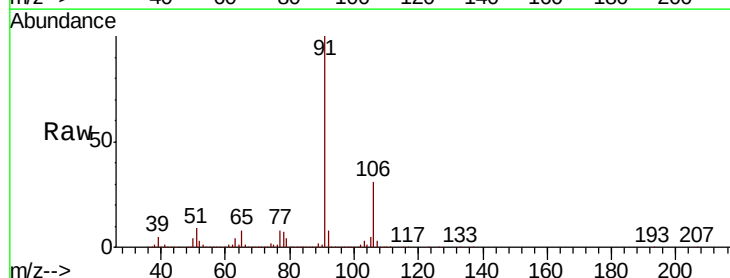
Acq: 22 Dec 2018 18:32

Tgt Ion: 91 Resp:10560724

Ion Ratio Lower Upper

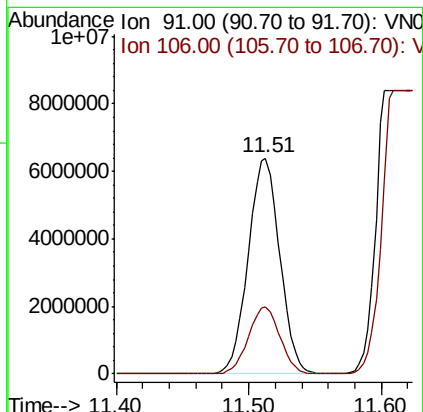
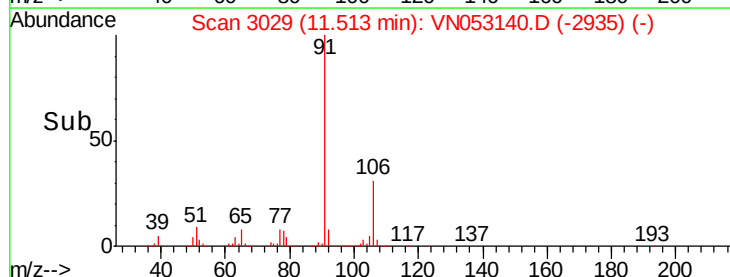
91 100

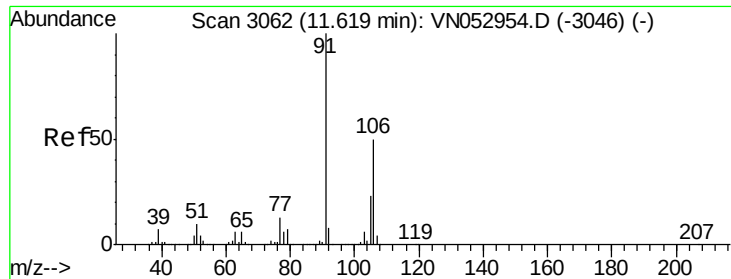
106 31.2 24.9 37.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

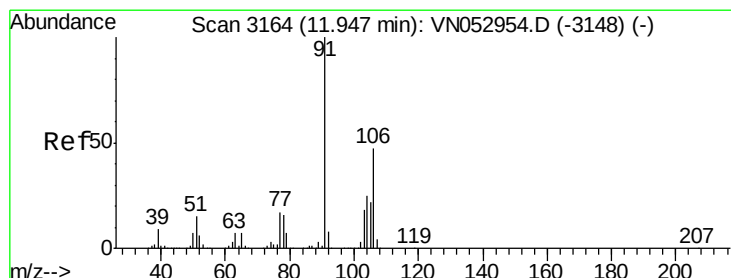
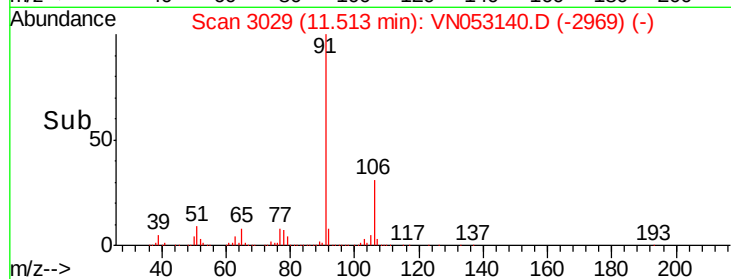
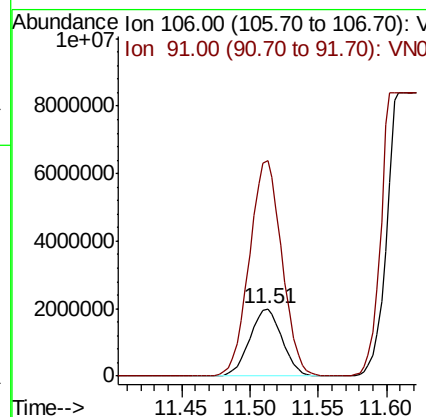
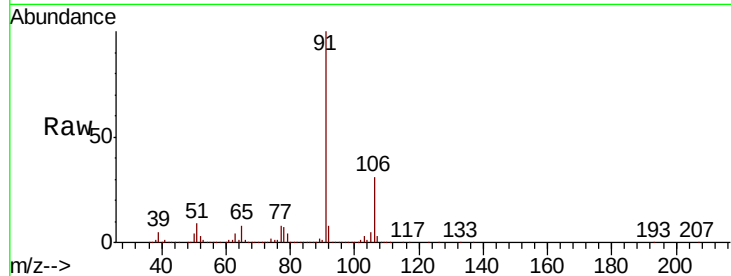




#68
m/p-Xylenes
Concen: 132.119 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. -0.11 min
Lab File: VN053140.D
Acq: 22 Dec 2018 18:32

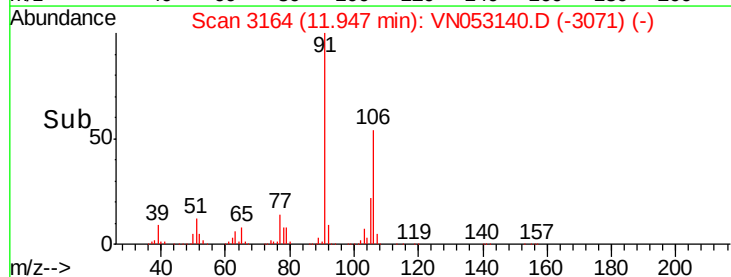
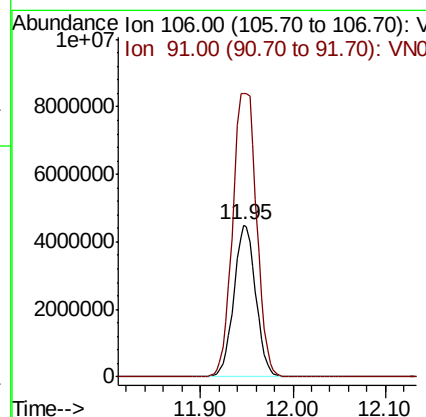
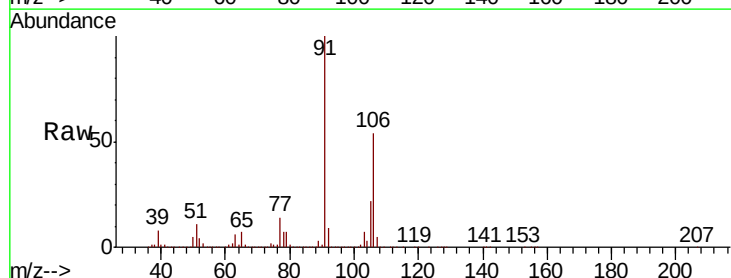
Instrument :
MSVOA_N
ClientSampleId :
P001-SS013-2430-01ME

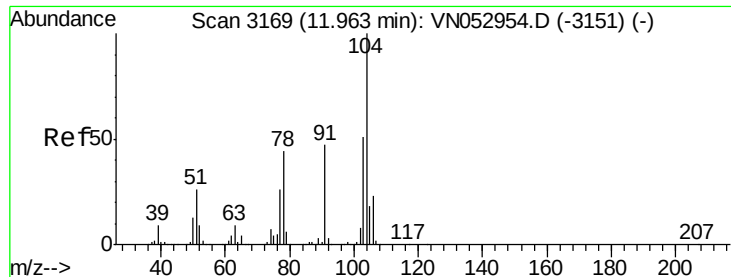
Tot Ion:106 Resp: 3286740
Ion Ratio Lower Upper
106 100
91 321.3 162.2 243.4#



#69
o-Xylene
Concen: 306.666 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN053140.D
Acq: 22 Dec 2018 18:32

Tgt Ion:106 Resp: 7320614
Ion Ratio Lower Upper
106 100
91 205.5 106.6 319.8





#70

Stvrene

Concen: 9.065 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.02 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

P001-SS013-2430-01ME

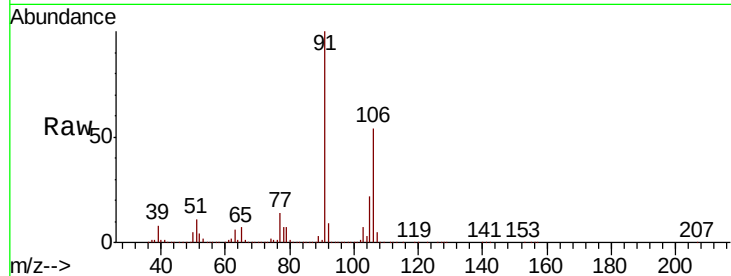
Tot Ion:104 Resp: 352873

Ion Ratio Lower Upper

104 100

78 282.9 38.9 58.3#

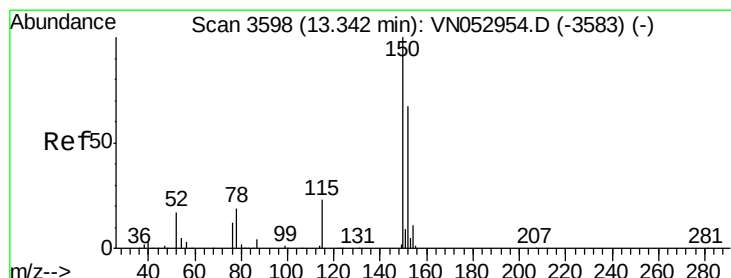
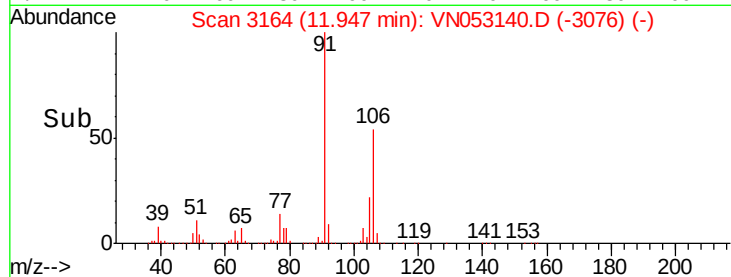
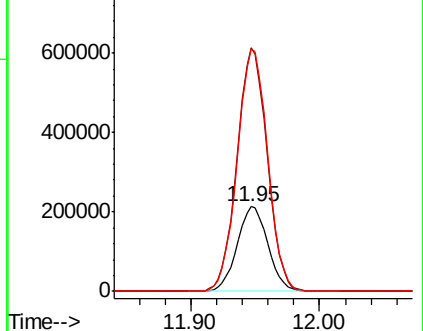
103 283.0 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

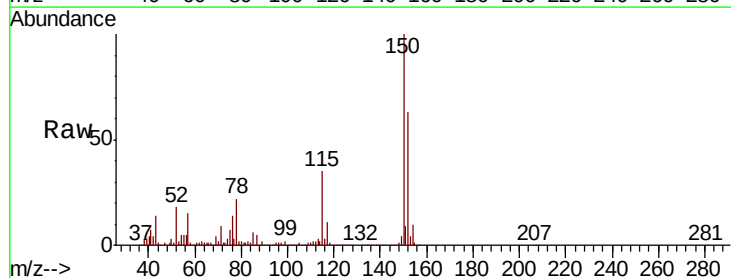
Tgt Ion:152 Resp: 738967

Ion Ratio Lower Upper

152 100

115 58.4 28.3 85.0

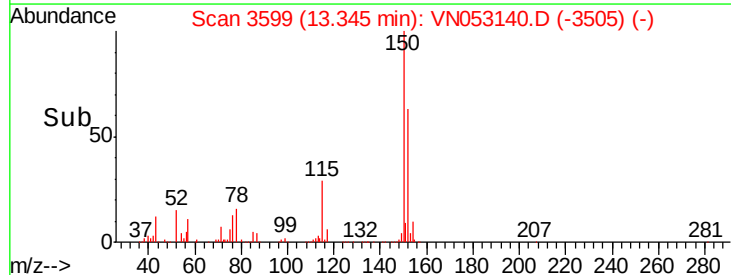
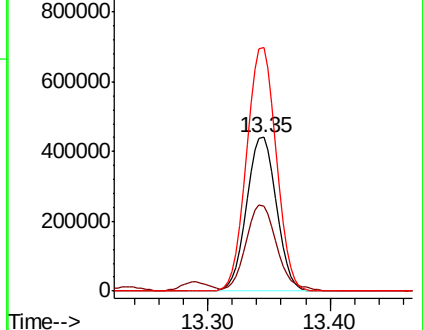
150 157.1 0.0 347.8

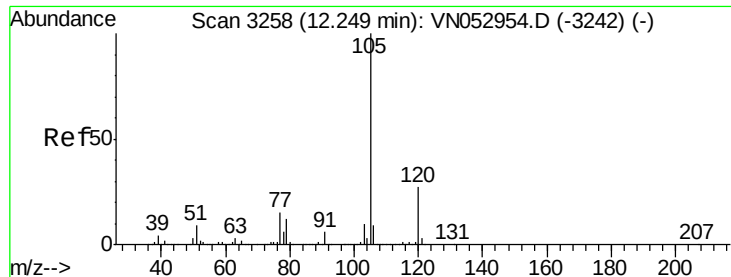


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 5.274 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

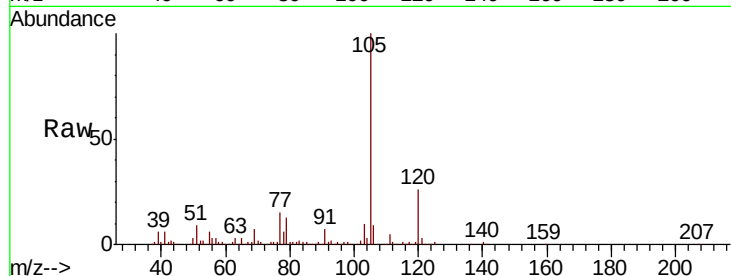
P001-SS013-2430-01ME

Tot Ion:105 Resp: 304926

Ion Ratio Lower Upper

105 100

120 26.4 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

200000

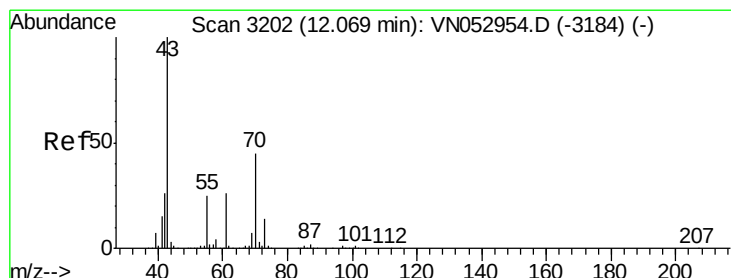
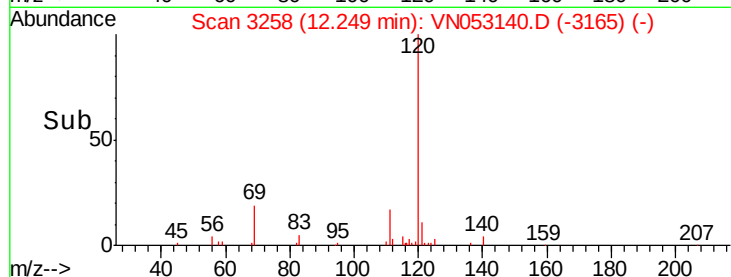
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 5.167 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. -0.03 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

Tgt Ion: 43 Resp: 82939

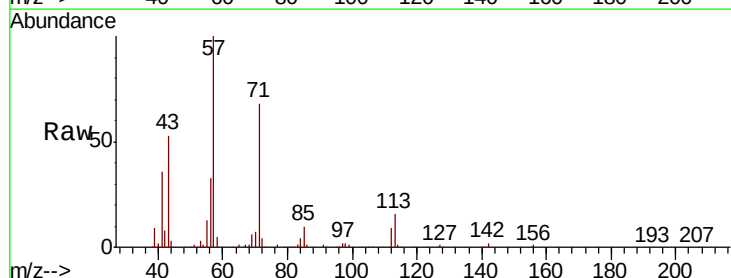
Ion Ratio Lower Upper

43 100

70 11.2 34.2 51.4#

55 9.2 20.3 30.5#

61 0.0 20.0 30.0#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

80000

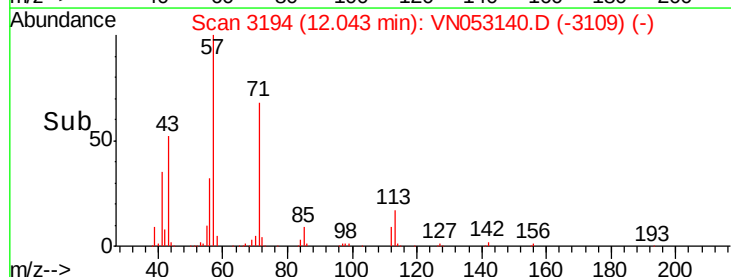
60000

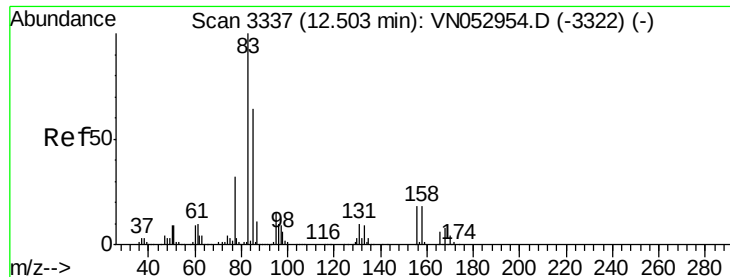
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 2.093 ug/l

RT: 12.56 min Scan# 3355

Delta R.T. 0.06 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

P001-SS013-2430-01ME

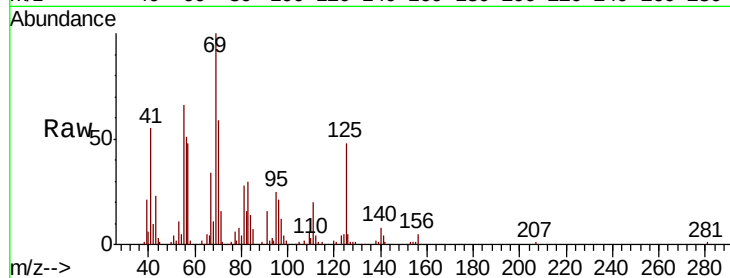
Tot Ion: 83 Resp: 23746

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

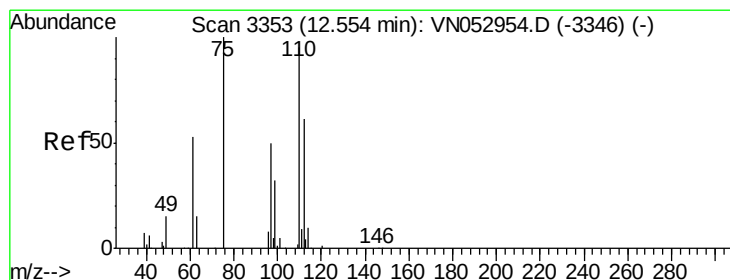
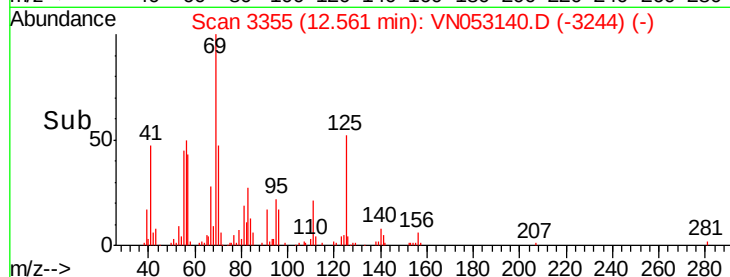
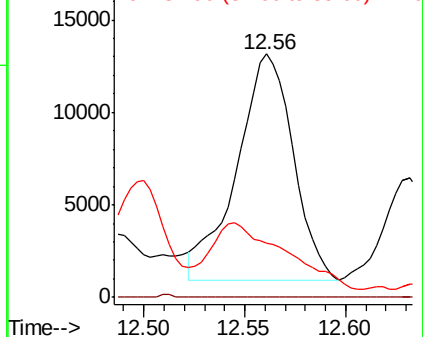
85 38.9 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 48.779 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN053140.D

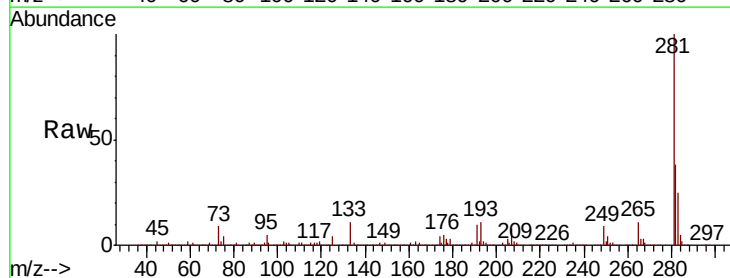
Acq: 22 Dec 2018 18:32

Tgt Ion: 75 Resp: 606795

Ion Ratio Lower Upper

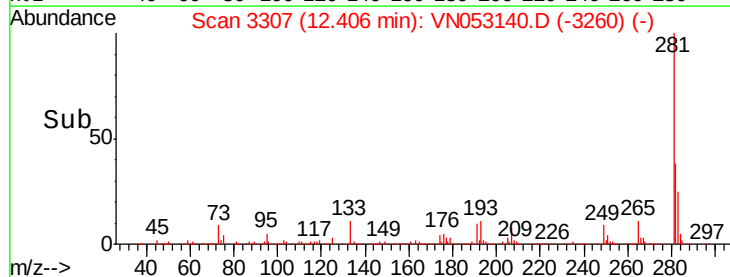
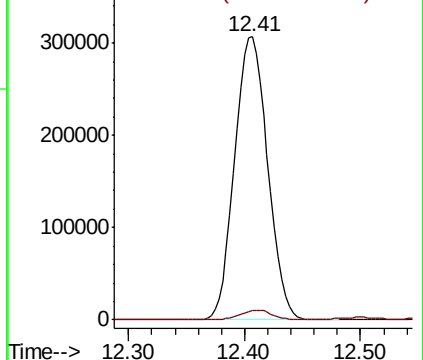
75 100

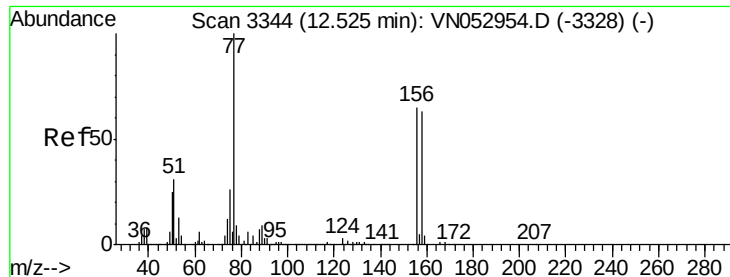
77 3.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 0.665 ug/l

RT: 12.57 min Scan# 3357

Delta R.T. 0.04 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

P001-SS013-2430-01ME

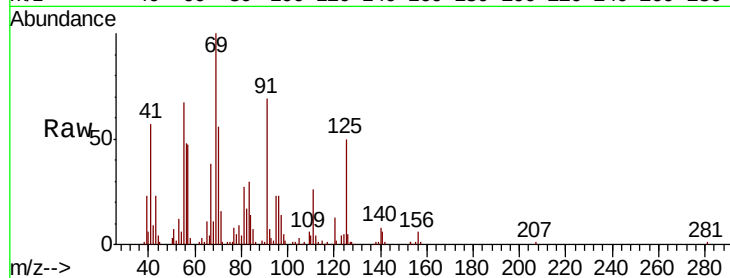
Tot Ion:156 Resp: 9988

Ion Ratio Lower Upper

156 100

77 0.0 91.3 273.8#

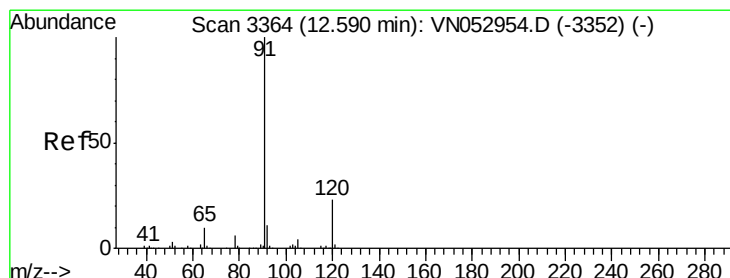
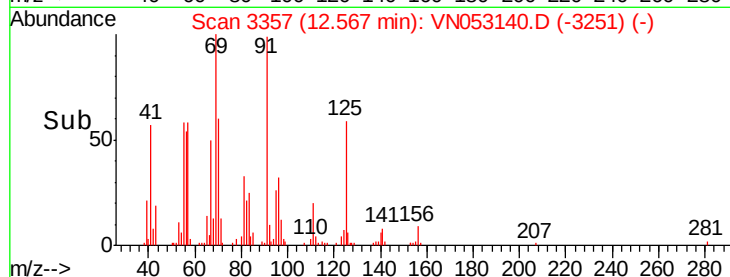
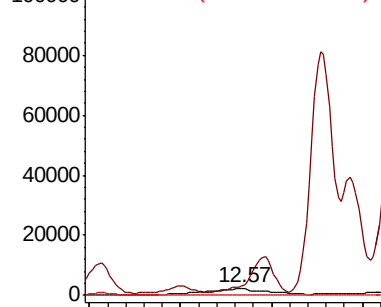
158 0.0 49.0 147.2#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 7.922 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN053140.D

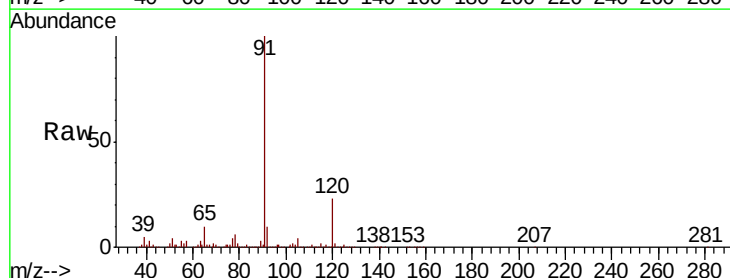
Acq: 22 Dec 2018 18:32

Tgt Ion: 91 Resp: 521662

Ion Ratio Lower Upper

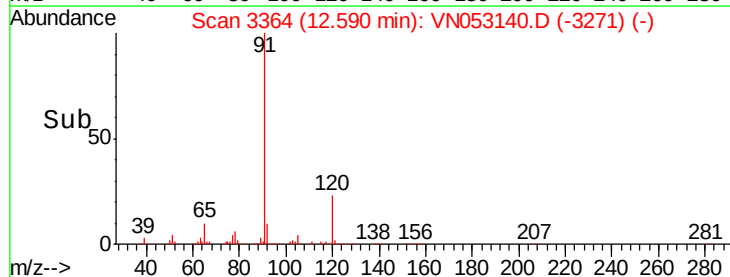
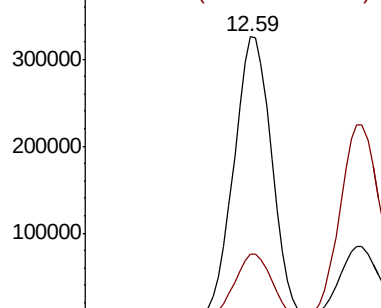
91 100

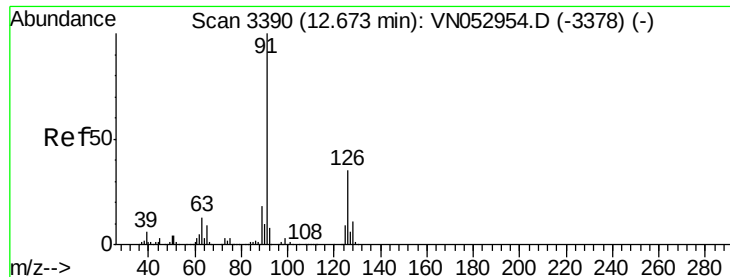
120 23.5 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

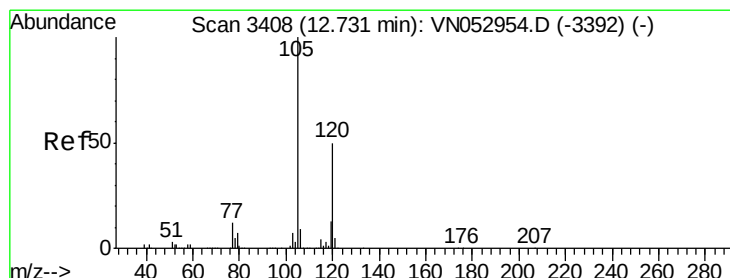
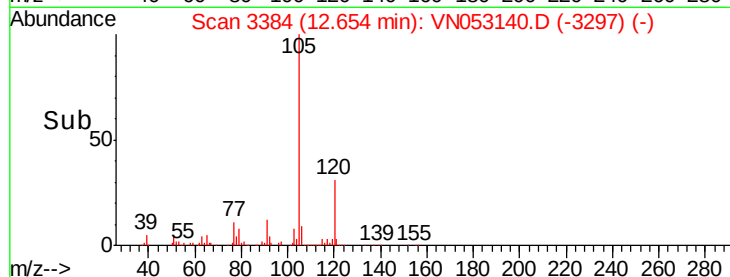
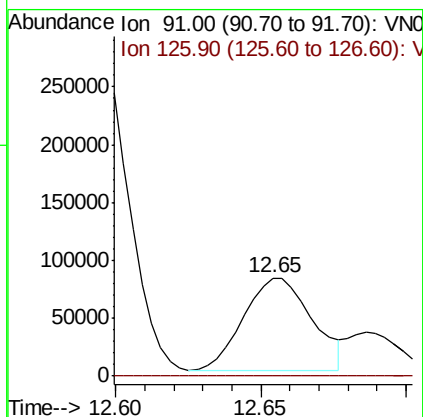
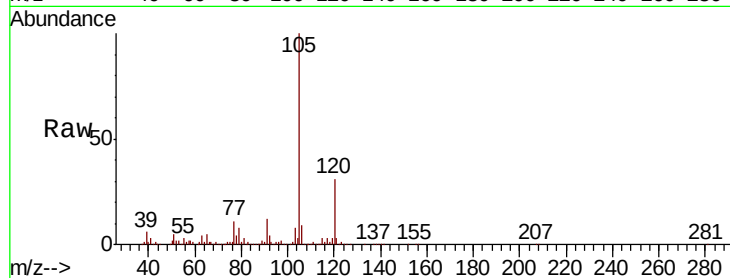




#79
 2-Chlorotoluene
 Concen: 3.189 ug/l
 RT: 12.65 min Scan# 3384
 Delta R.T. -0.02 min
 Lab File: VN053140.D
 Acq: 22 Dec 2018 18:32

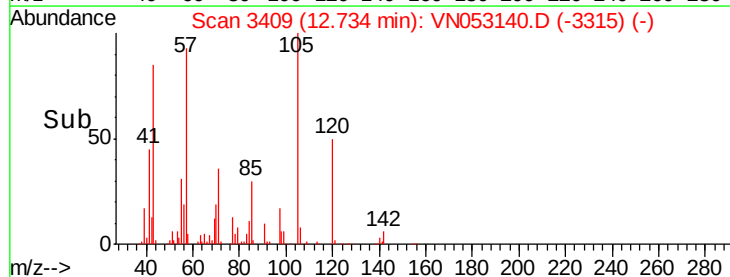
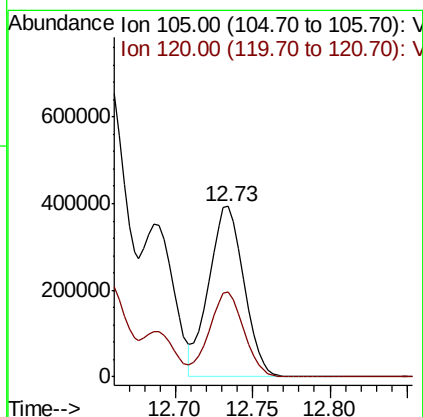
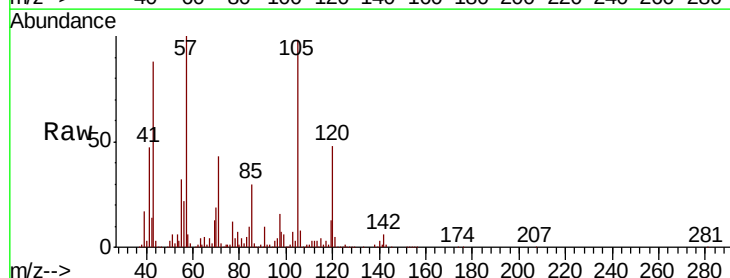
Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS013-2430-01ME

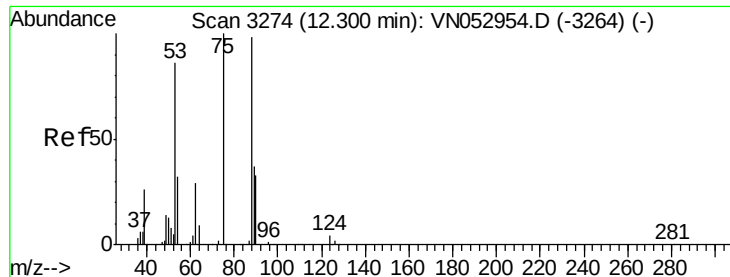
Tot Ion: 91 Resp: 130152
 Ion Ratio Lower Upper
 91 100
 126 0.0 17.4 52.3#



#80
 1,3,5-Trimethylbenzene
 Concen: 13.225 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. 0.00 min
 Lab File: VN053140.D
 Acq: 22 Dec 2018 18:32

Tgt Ion: 105 Resp: 623252
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 157.220 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.11 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

P001-SS013-2430-01ME

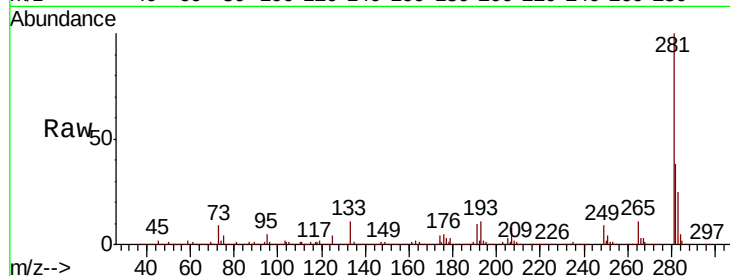
Tot Ion: 75 Resp: 606795

Ion Ratio Lower Upper

75 100

53 0.2 74.7 112.1#

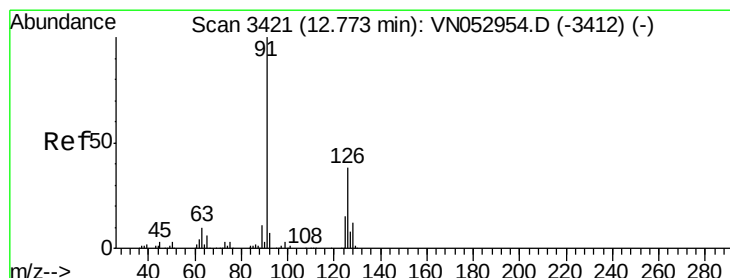
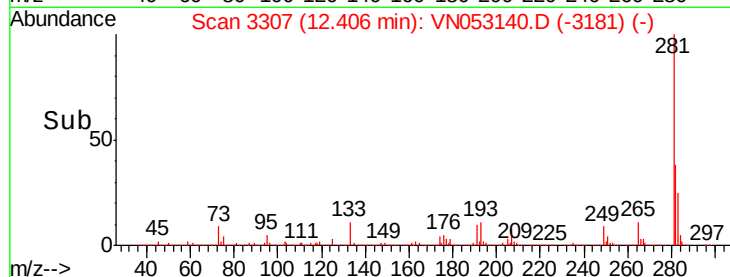
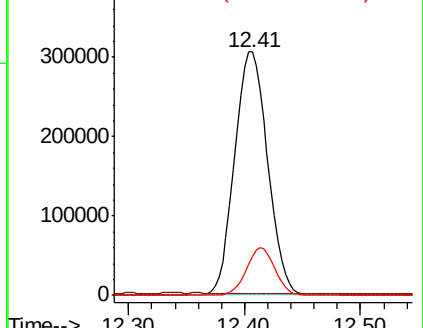
89 17.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 1.559 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.04 min

Lab File: VN053140.D

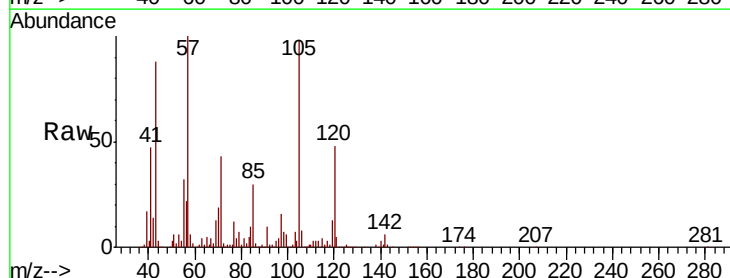
Acq: 22 Dec 2018 18:32

Tgt Ion: 91 Resp: 62292

Ion Ratio Lower Upper

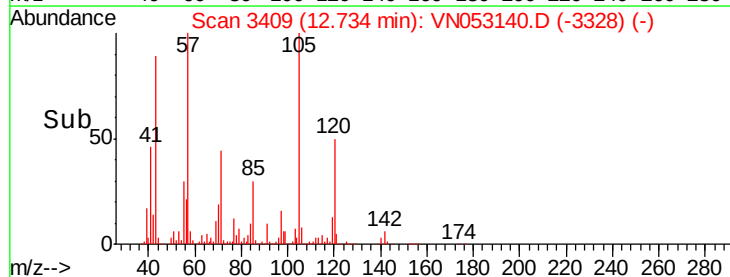
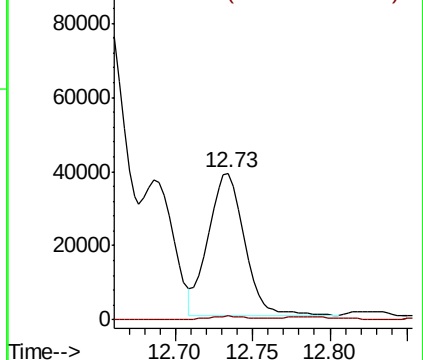
91 100

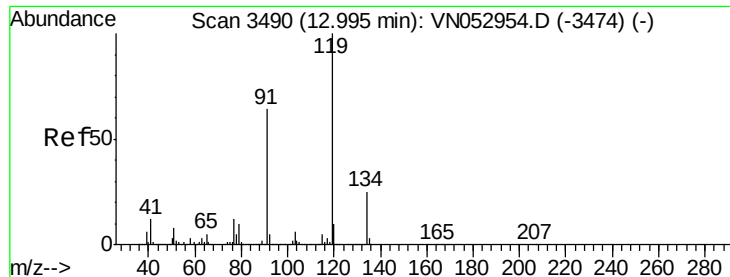
126 3.6 17.3 51.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 5.144 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.05 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

P001-SS013-2430-01ME

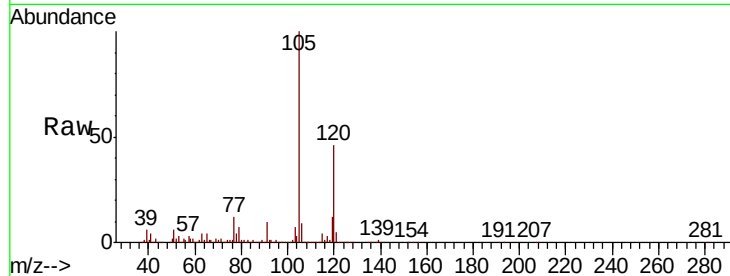
Tot Ion:119 Resp: 214378

Ion Ratio Lower Upper

119 100

91 78.4 31.9 95.5

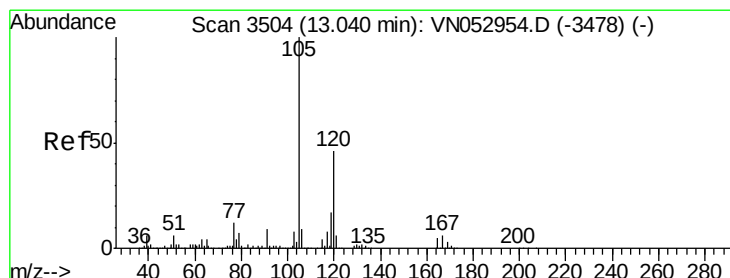
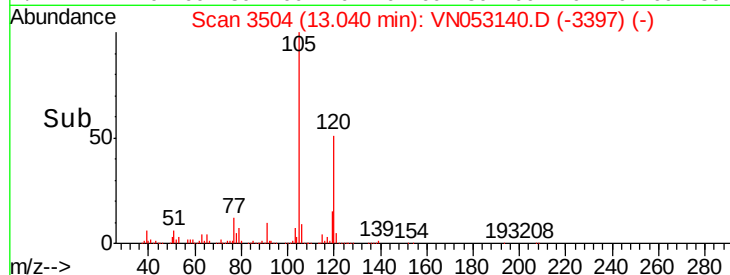
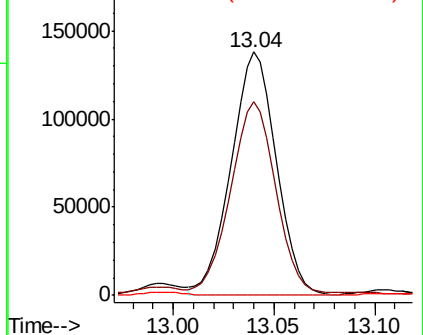
134 0.0 12.8 38.4#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 37.143 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN053140.D

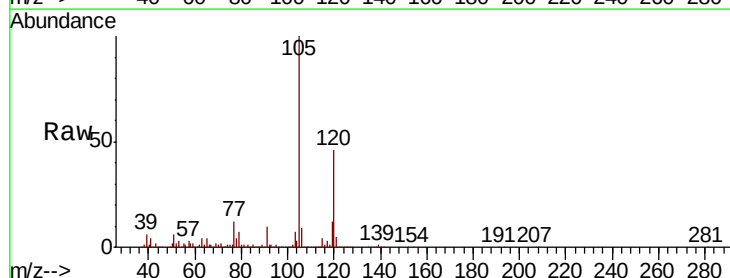
Acq: 22 Dec 2018 18:32

Tgt Ion:105 Resp: 1759658

Ion Ratio Lower Upper

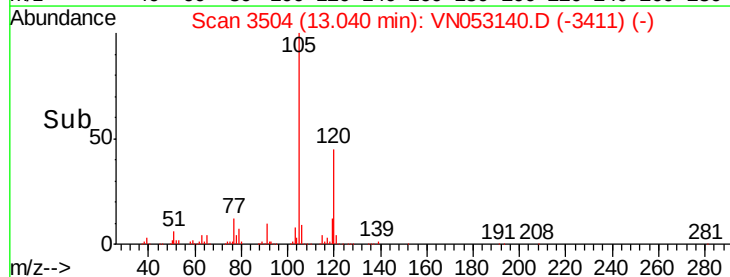
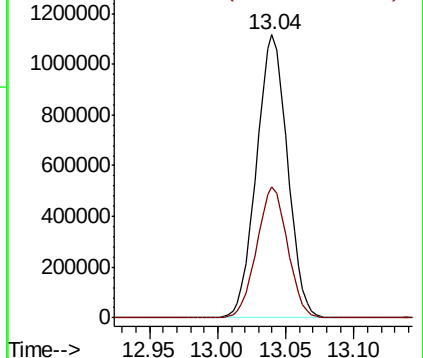
105 100

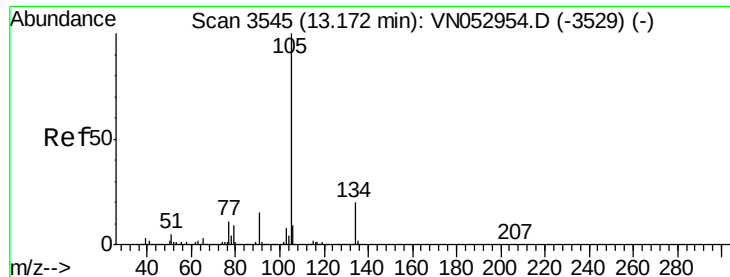
120 46.0 22.9 68.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 1.177 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

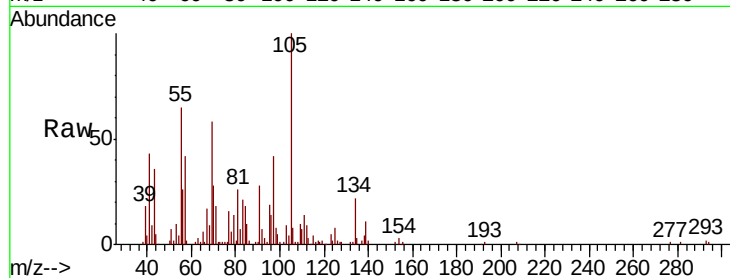
P001-SS013-2430-01ME

Tot Ion:105 Resp: 66356

Ion Ratio Lower Upper

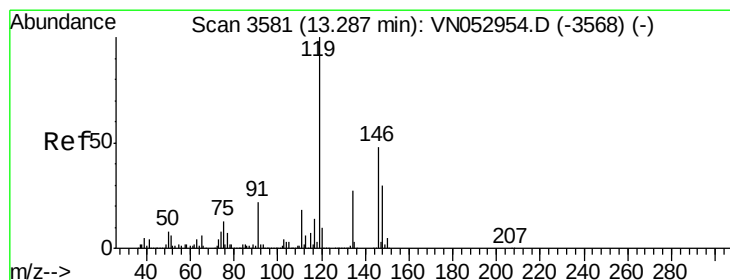
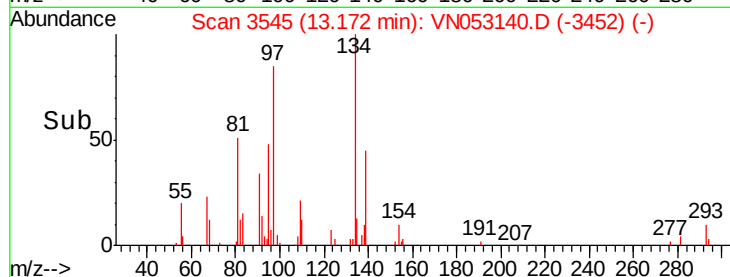
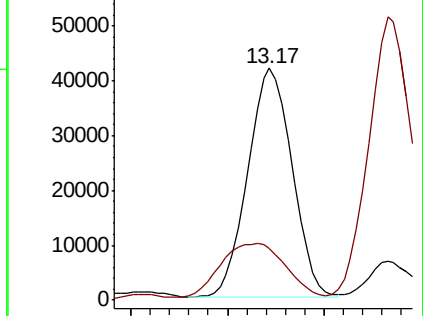
105 100

134 34.5 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: 11.385 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

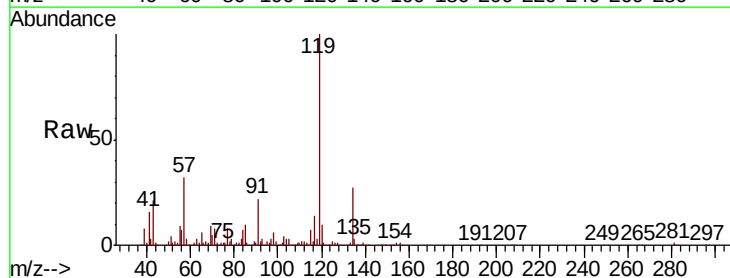
Tgt Ion:119 Resp: 554616

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

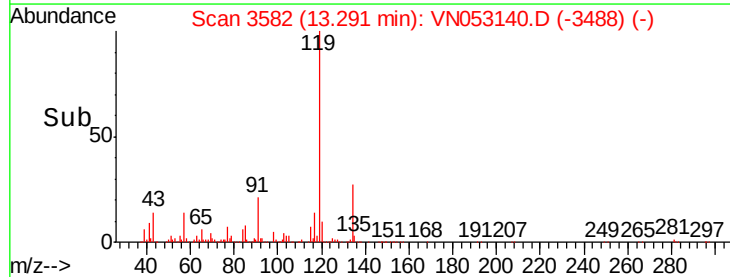
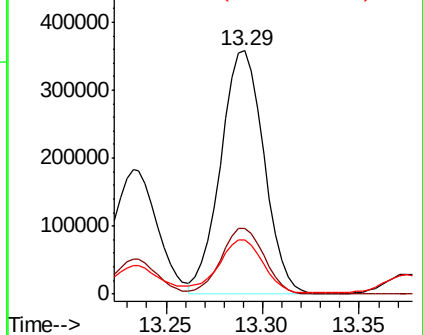
91 22.4 11.1 33.3

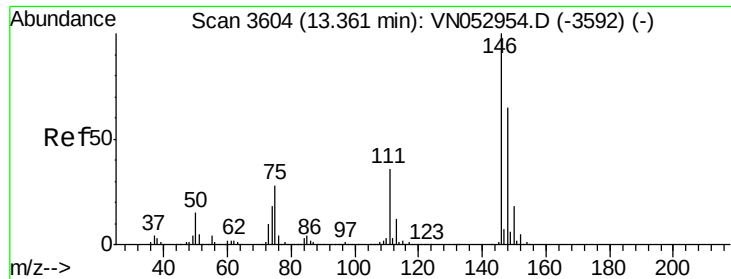


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#88

1,4-Dichlorobenzene

Concen: 0.926 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

P001-SS013-2430-01ME

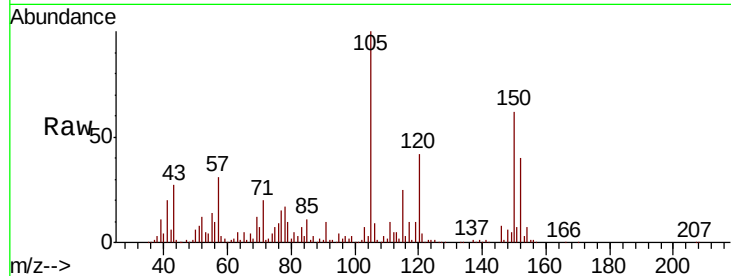
Tot Ion:146 Resp: 24931

Ion Ratio Lower Upper

146 100

111 150.5 18.6 55.8#

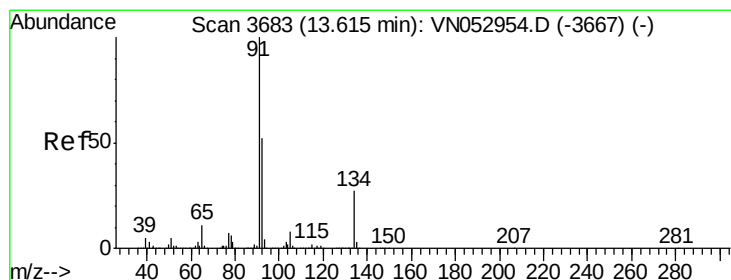
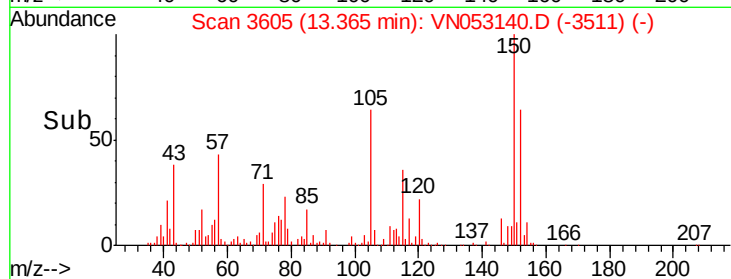
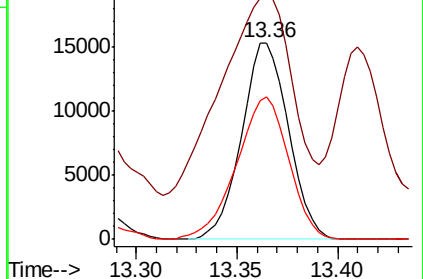
148 80.5 32.1 96.5



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: 2.143 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

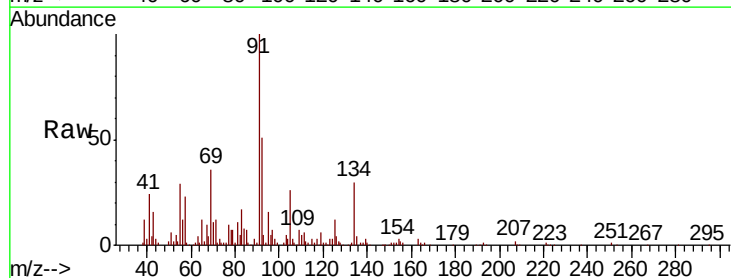
Tgt Ion: 91 Resp: 89789

Ion Ratio Lower Upper

91 100

92 67.1 26.3 78.9

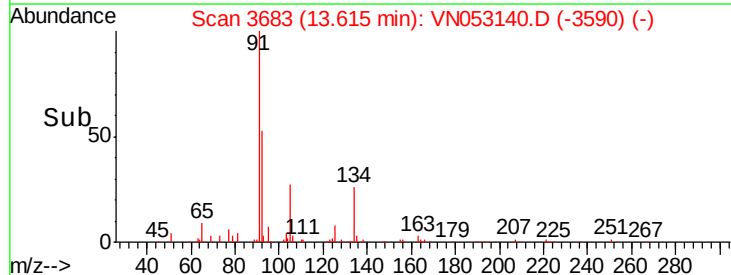
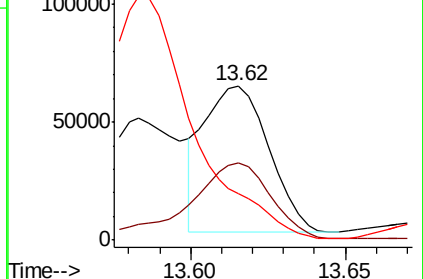
134 0.0 13.3 39.8#

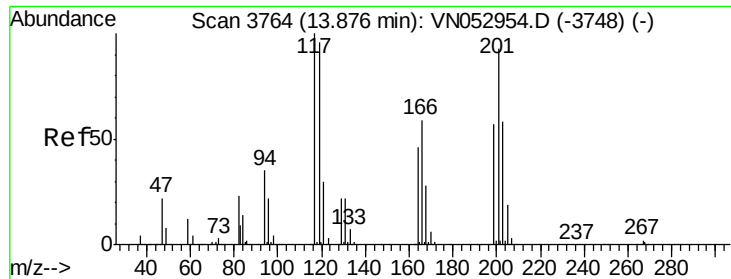


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 6.523 ug/l

RT: 13.89 min Scan# 3767

Delta R.T. 0.01 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

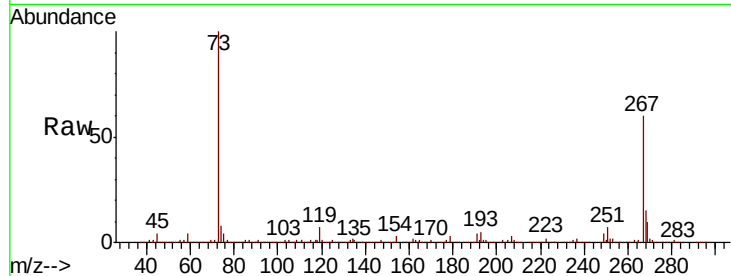
P001-SS013-2430-01ME

Tot Ion:117 Resp: 48760

Ion Ratio Lower Upper

117 100

201 5.7 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

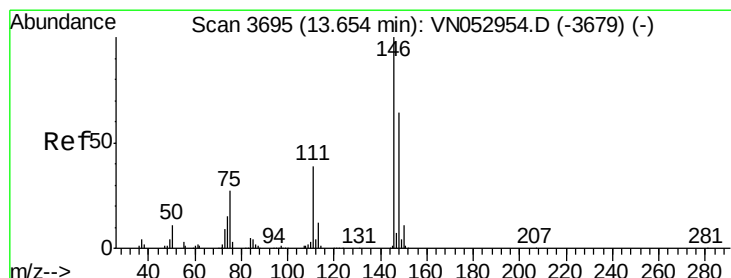
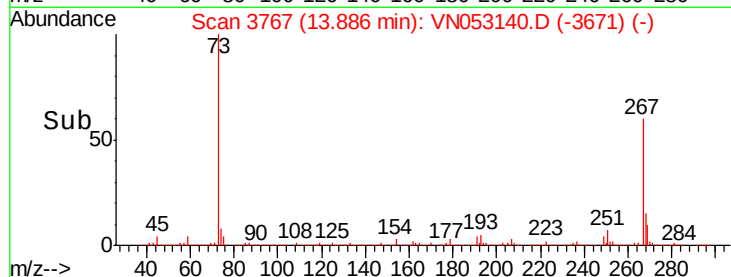
30000

20000

10000

0

Time-->



#91

1,2-Dichlorobenzene

Concen: 0.850 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

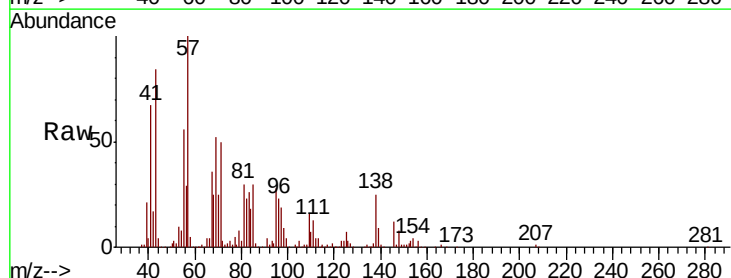
Tgt Ion:146 Resp: 21272

Ion Ratio Lower Upper

146 100

111 187.6 19.7 59.0#

148 68.6 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

20000

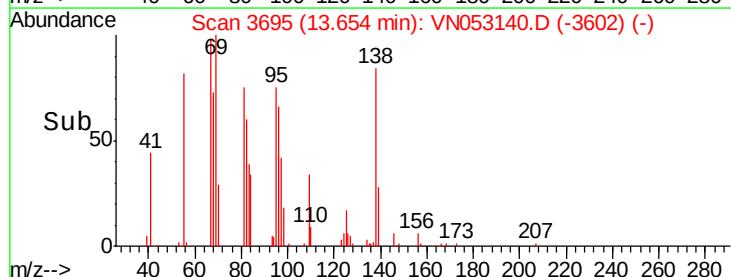
15000

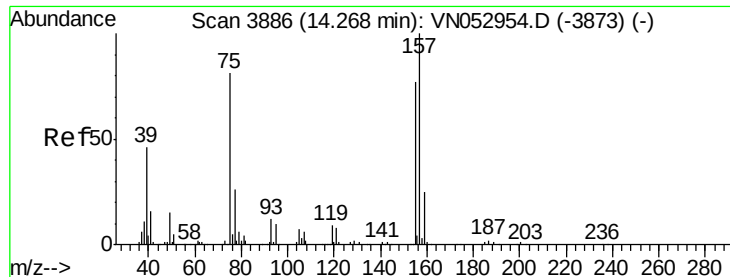
10000

5000

0

Time-->





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.275 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

P001-SS013-2430-01ME

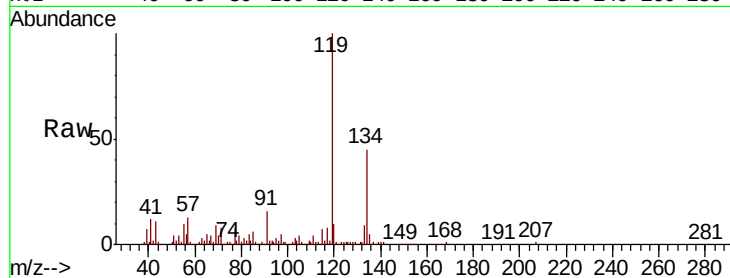
Tot Ion: 75 Resp: 2501

Ion Ratio Lower Upper

75 100

155 186.6 48.2 144.6#

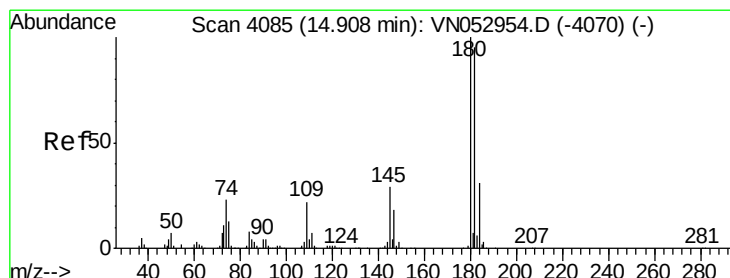
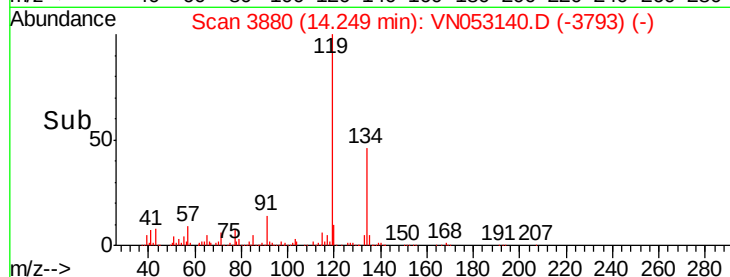
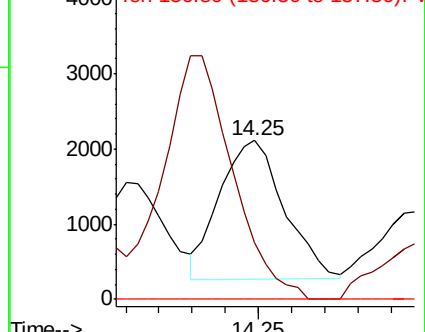
157 0.0 61.2 183.5#



Abundance Ion 74.90 (74.60 to 75.60): VN01

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V



#93

1,2,4-Trichlorobenzene

Concen: 19.961 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

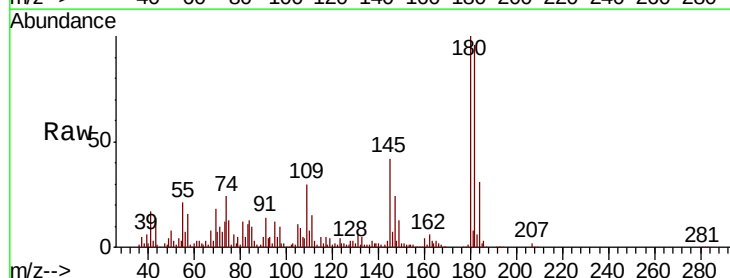
Tgt Ion: 180 Resp: 259939

Ion Ratio Lower Upper

180 100

182 95.9 47.8 143.3

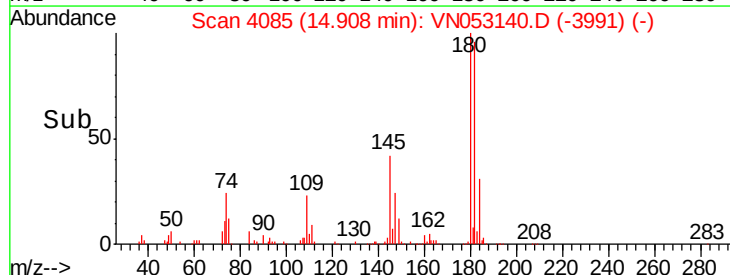
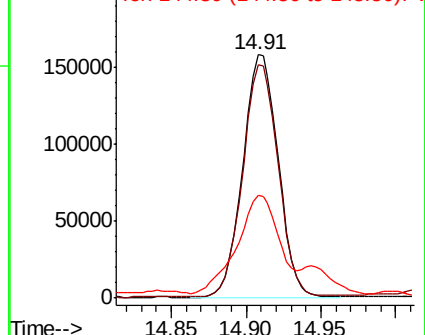
145 47.6 14.2 42.6#

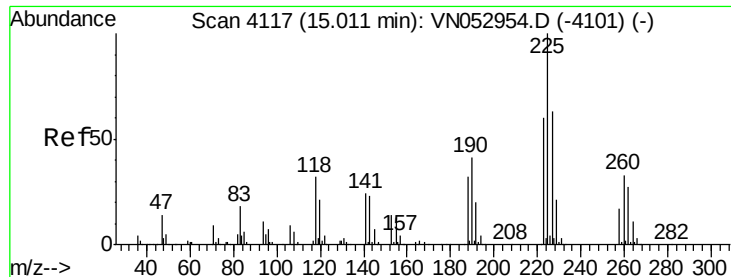


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.29 min Scan# 4203

Delta R.T. 0.28 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

Instrument :

MSVOA_N

ClientSampleId :

P001-SS013-2430-01ME

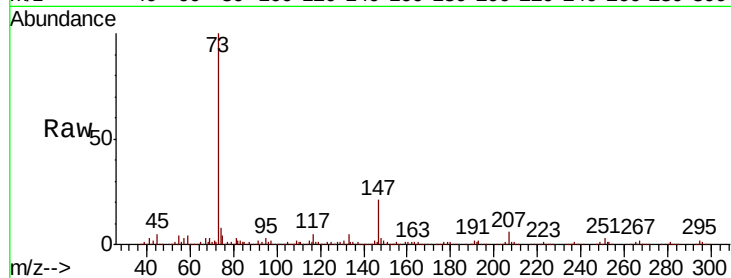
Tot Ion:225 Resp: 3250

Ion Ratio Lower Upper

225 100

223 372.6 31.5 94.5#

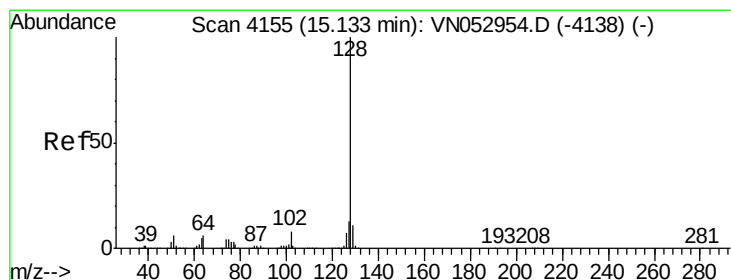
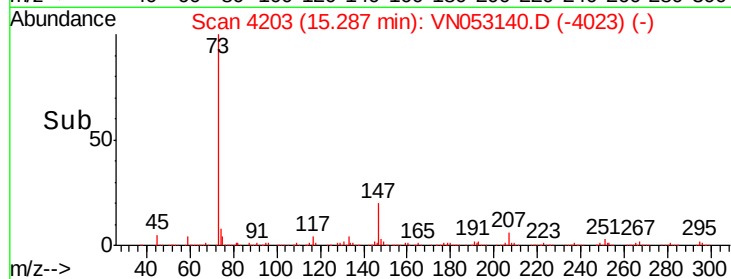
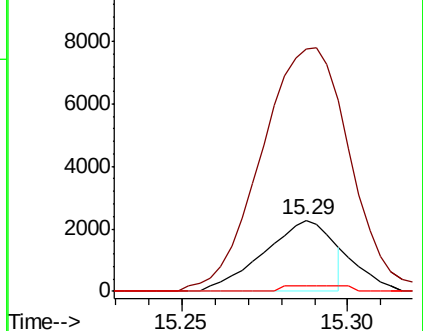
227 4.2 31.9 95.7#



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



#95

Naphthalene

Concen: 27.367 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053140.D

Acq: 22 Dec 2018 18:32

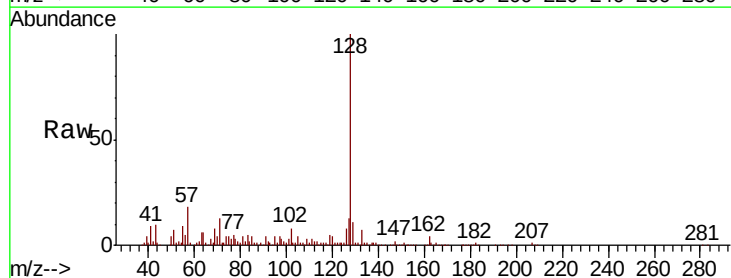
Tgt Ion:128 Resp: 779700

Ion Ratio Lower Upper

128 100

127 14.0 10.2 15.4

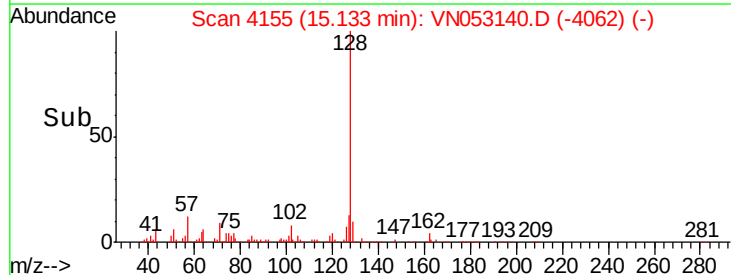
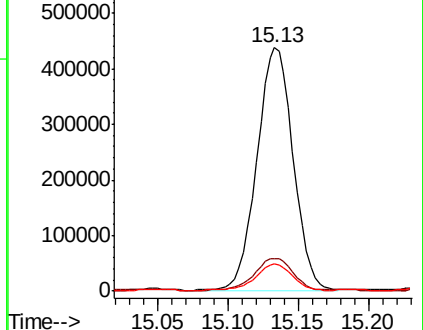
129 11.1 8.6 13.0

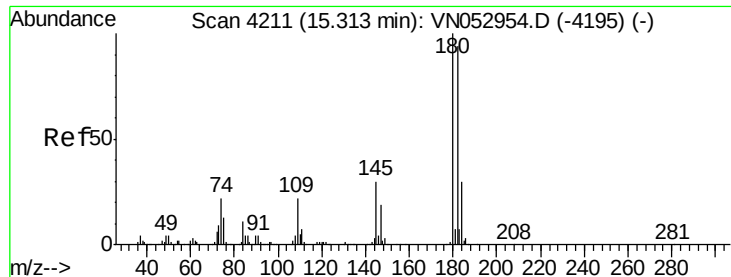


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 5.326 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN053140.D
 Acq: 22 Dec 2018 18:32

Instrument :
 MSVOA_N
 ClientSampleId :
 P001-SS013-2430-01ME

Tot Ion	Ratio	Lower	Upper
180	100		
182	82.5	47.9	143.7
145	156.6	15.0	45.0#

