

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091218\
 Data File : VN051153.D
 Acq On : 12 Sep 2018 17:01
 Operator : MD\SY
 Sample : J4882-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 28570

Quant Time: Sep 13 07:20:22 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	607625	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	872935	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	740156	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	320769	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	343795	50.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.68%	
35) Dibromofluoromethane	7.59	113	338120	51.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.10%	
50) Toluene-d8	10.09	98	1187812	47.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.44%	
62) 4-Bromofluorobenzene	12.40	95	363688	44.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.34%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	2197	Below Cal		91
5) Bromomethane	2.57	94	1802	Below Cal		97
10) Methyl Iodide	3.96	142	101	5.64	ug/l #	44
11) Tert butyl alcohol	4.80	59	1094	2.12	ug/l #	73
16) Acetone	3.82	43	322868	191.75	ug/l	99
17) Carbon Disulfide	4.05	76	4739	0.36	ug/l #	86
18) Methyl Acetate	4.33	43	5408	1.00	ug/l	91
25) 2-Butanone	6.84	43	347439	130.69	ug/l	97
29) Tetrahydrofuran	7.21	42	437081	263.27	ug/l	99
31) Cyclohexane	7.66	56	9746	0.65	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	38094	3.97	ug/l #	48
37) Ethyl Acetate	6.84	43	347439	62.59	ug/l #	67
38) Carbon Tetrachloride	7.66	117	52372	5.55	ug/l #	16
40) Benzene	8.04	78	8081	0.28	ug/l	97
41) Methacrylonitrile	7.21	41	248586	86.80	ug/l #	31
43) Isopropyl Acetate	8.29	43	93428	9.54	ug/l #	50
51) 4-Methyl-2-Pentanone	9.99	43	11594	2.14	ug/l	89
52) Toluene	10.16	92	359151	20.39	ug/l	99
53) t-1,3-Dichloropropene	10.16	75	3651	0.39	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	1517	0.24	ug/l #	15
56) Ethyl methacrylate	10.43	69	62	2.46	ug/l #	1
59) 2-Hexanone	10.76	43	1525	0.42	ug/l	98
67) Ethyl Benzene	11.51	91	31622	1.05	ug/l	99
68) m/p-Xylenes	11.62	106	89998	7.75	ug/l	98
69) o-Xylene	11.95	106	129942	11.56	ug/l	99
70) Styrene	11.95	104	9918	0.57	ug/l #	1
73) Isopropylbenzene	12.25	105	17255	0.64	ug/l	100
74) N-amyl acetate	12.03	43	3092	0.46	ug/l #	47
75) 1,1,2,2-Tetrachloroethane	12.48	83	123	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	168551	33.40	ug/l #	100
78) n-propylbenzene	12.59	91	39133	1.32	ug/l	97
79) 2-Chlorotoluene	12.69	91	19884	1.08	ug/l #	39
80) 1,3,5-Trimethylbenzene	12.73	105	271981	12.51	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.40	75	168551	99.79	ug/l #	16

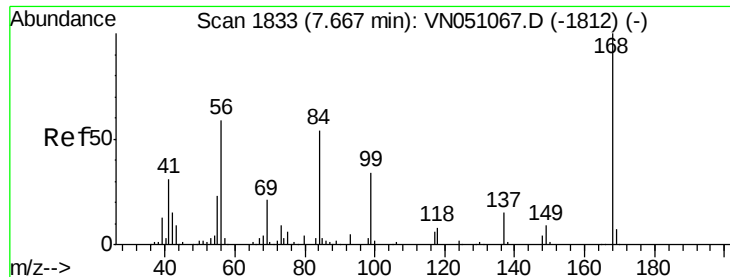
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091218\
 Data File : VN051153.D
 Acq On : 12 Sep 2018 17:01
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 4-Chlorotoluene	12.73	91	27290	1.49	ug/l #	40
83) tert-Butylbenzene	12.99	119	23143	1.21	ug/l	97
84) 1,2,4-Trimethylbenzene	13.04	105	373937	17.49	ug/l	99
85) sec-Butylbenzene	13.17	105	24439	0.99	ug/l	87
86) p-Isopropyltoluene	13.29	119	29136	1.40	ug/l	98
89) n-Butylbenzene	13.58	91	20678	1.27	ug/l #	1
90) Hexachloroethane	13.89	117	25825	6.25	ug/l #	2
92) 1,2-Dibromo-3-Chloropropan	14.25	75	1508	2.28	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.90	180	669	4.09	ug/l #	1
95) Naphthalene	15.13	128	91995	12.15	ug/l	98
96) 1,2,3-Trichlorobenzene	15.33	180	1048	3.13	ug/l #	1

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN051153.D

Acq: 12 Sep 2018 17:01

Instrument :

MSVOA_N

ClientSampleId :

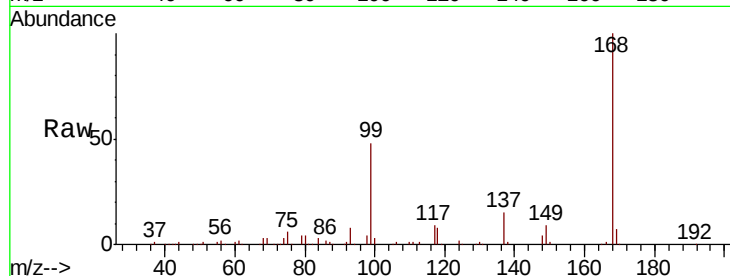
28570

Tot Ion:168 Resp: 607625

Ion Ratio Lower Upper

168 100

99 47.6 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): VN051153.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN051153.D (-1740) (-)

7.66

250000

200000

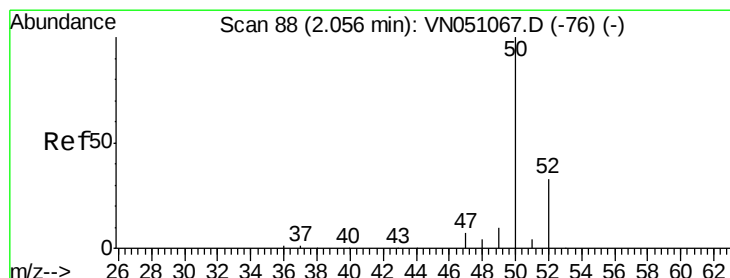
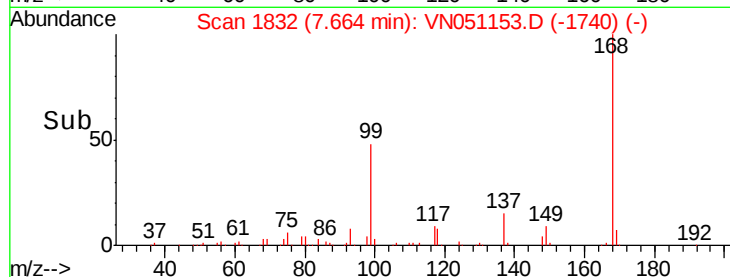
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051153.D

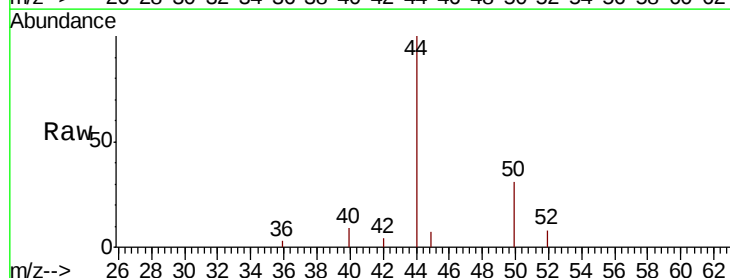
Acq: 12 Sep 2018 17:01

Tgt Ion: 50 Resp: 2197

Ion Ratio Lower Upper

50 100

52 27.5 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN051153.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN051153.D (-1) (-)

2.06

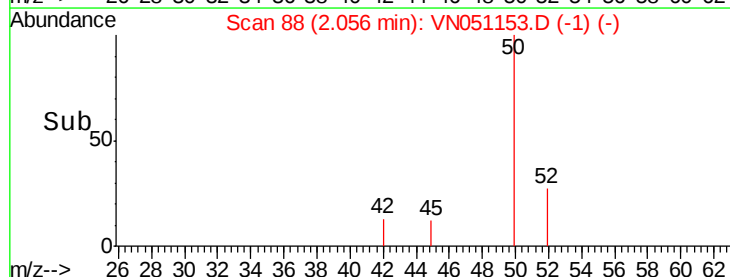
1500

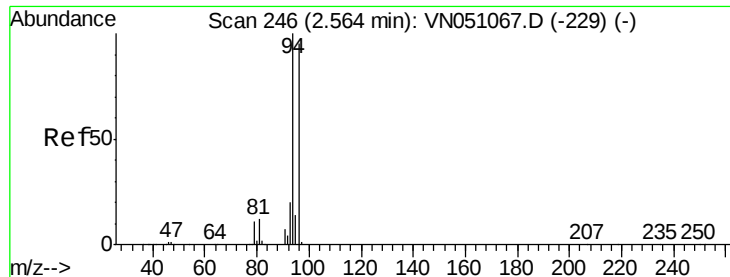
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051153.D

Acq: 12 Sep 2018 17:01

Instrument :

MSVOA_N

ClientSampled :

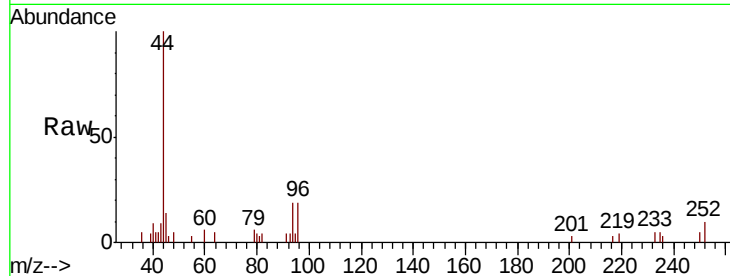
28570

Tot Ion: 94 Resp: 1802

Ion Ratio Lower Upper

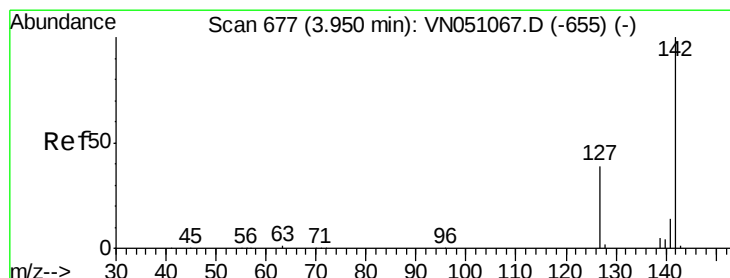
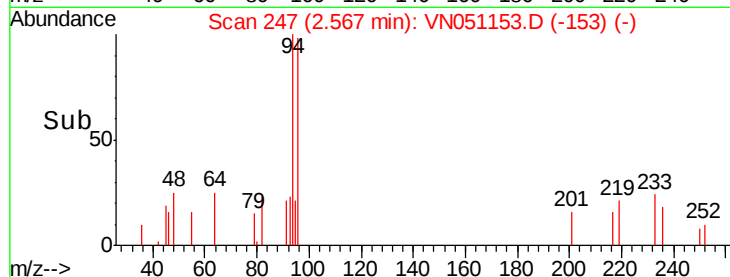
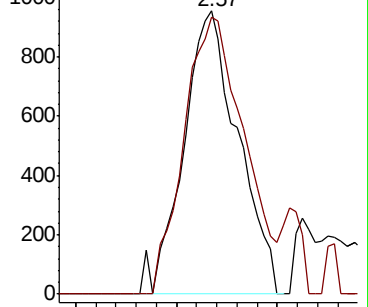
94 100

96 97.9 75.9 113.9



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

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



#10

Methyl Iodide

Concen: 5.64 ug/l

RT: 3.96 min Scan# 681

Delta R.T. 0.01 min

Lab File: VN051153.D

Acq: 12 Sep 2018 17:01

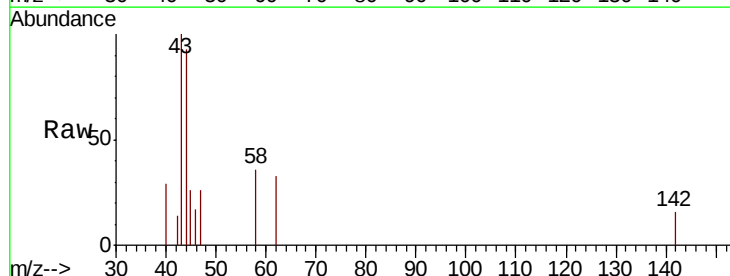
Tgt Ion: 142 Resp: 101

Ion Ratio Lower Upper

142 100

127 0.0 31.0 46.4#

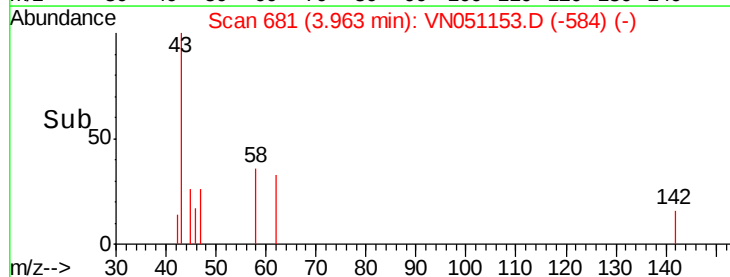
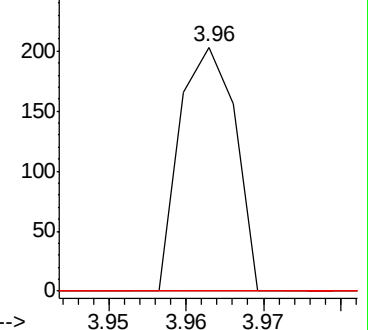
141 0.0 11.3 16.9#

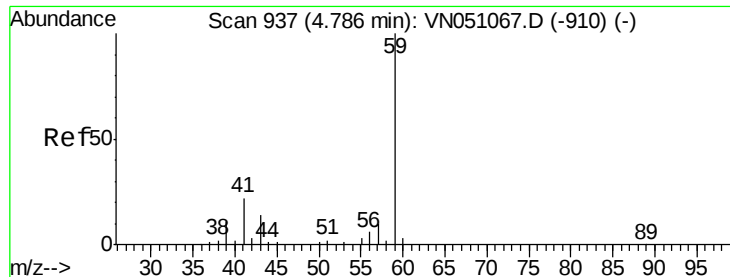


Abundance Ion 141.80 (141.50 to 142.50): VN051067.D (-655) (-)

Ion 126.80 (126.50 to 127.50): VN051067.D (-655) (-)

Ion 140.80 (140.50 to 141.50): VN051067.D (-655) (-)

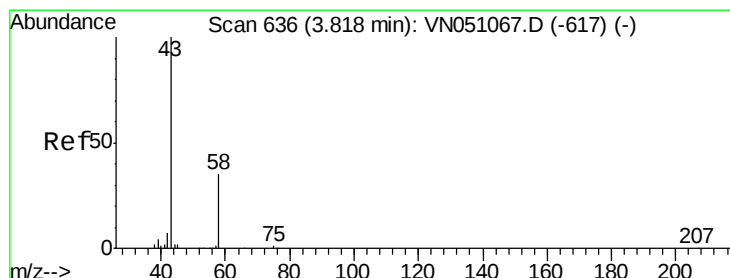
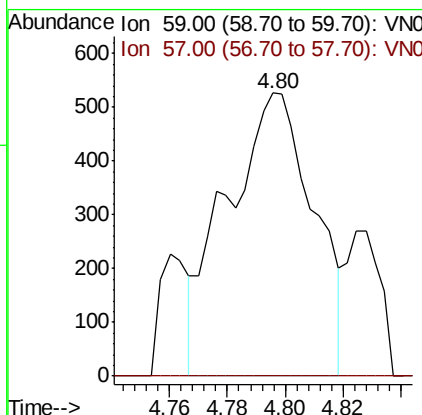
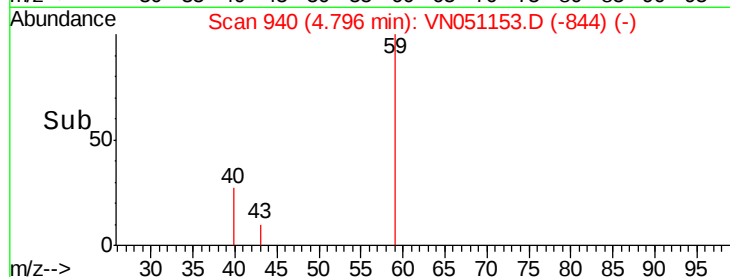
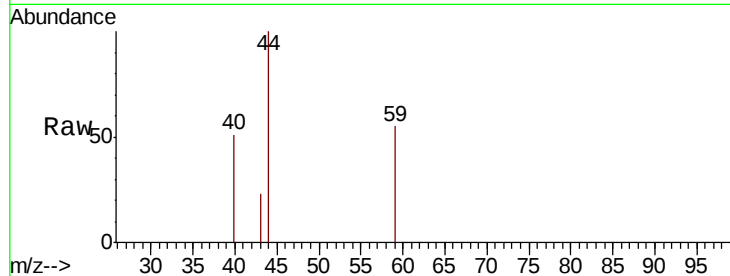




#11
 Tert butyl alcohol
 Concen: 2.12 ug/l
 RT: 4.80 min Scan# 940
 Delta R.T. 0.01 min
 Lab File: VN051153.D
 Acq: 12 Sep 2018 17:01

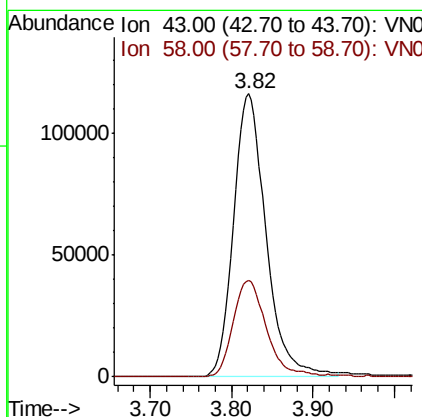
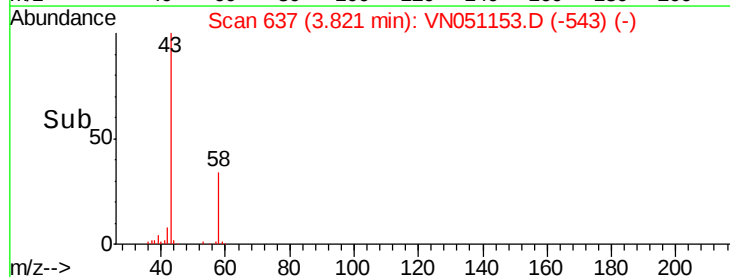
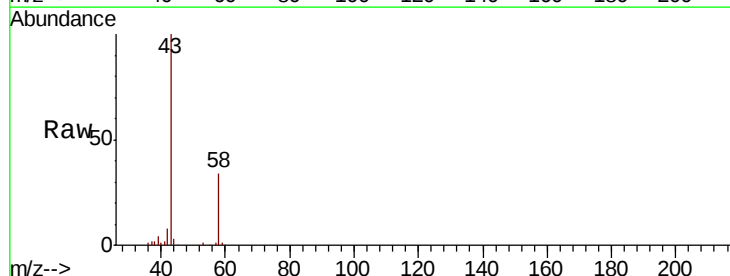
Instrument :
 MSVOA_N
 ClientSampled :
 28570

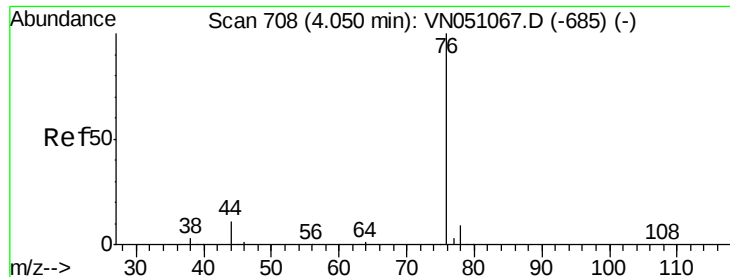
Tot Ion: 59 Resp: 1094
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.1 12.1#



#16
 Acetone
 Concen: 191.75 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN051153.D
 Acq: 12 Sep 2018 17:01

Tgt Ion: 43 Resp: 322868
 Ion Ratio Lower Upper
 43 100
 58 34.2 27.8 41.6





#17

Carbon Disulfide

Concen: 0.36 ug/l

RT: 4.05 min Scan# 709

Delta R.T. 0.00 min

Lab File: VN051153.D

Acq: 12 Sep 2018 17:01

Instrument :

MSVOA_N

ClientSampled :

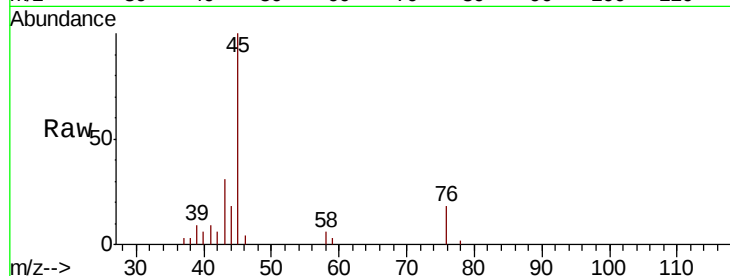
28570

Tot Ion: 76 Resp: 4739

Ion Ratio Lower Upper

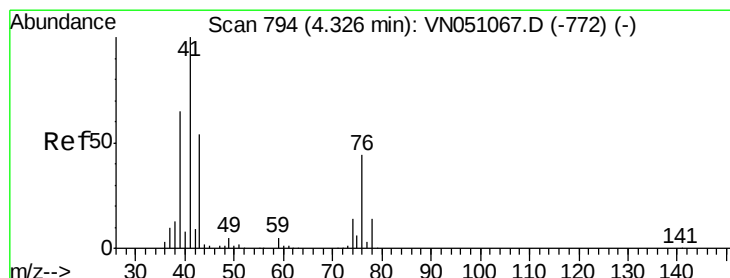
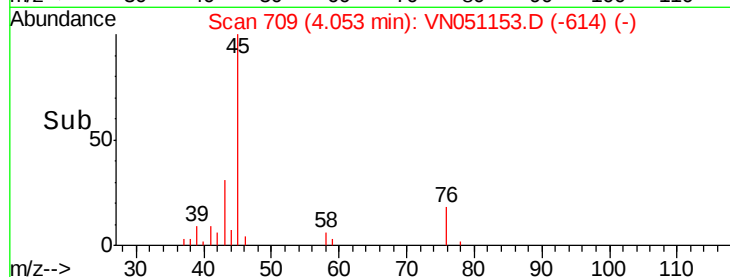
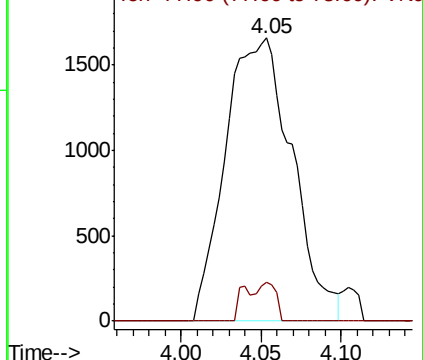
76 100

78 13.8 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 1.00 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN051153.D

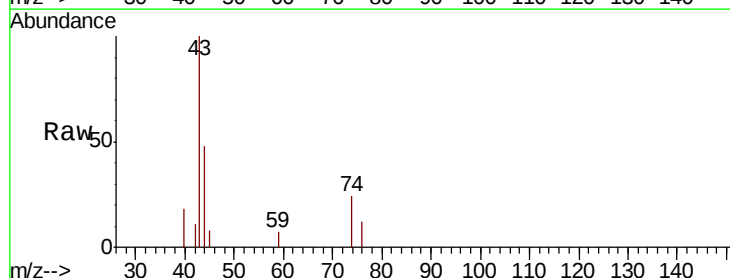
Acq: 12 Sep 2018 17:01

Tgt Ion: 43 Resp: 5408

Ion Ratio Lower Upper

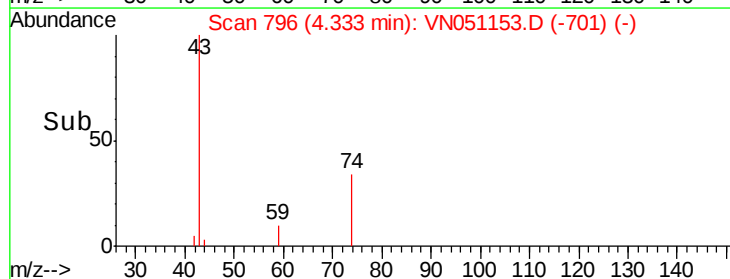
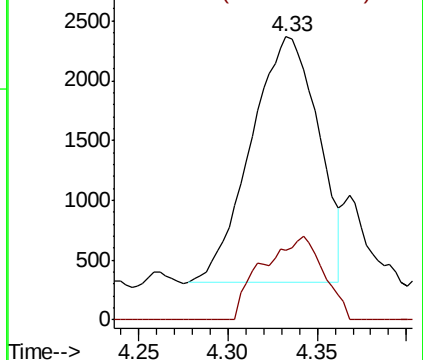
43 100

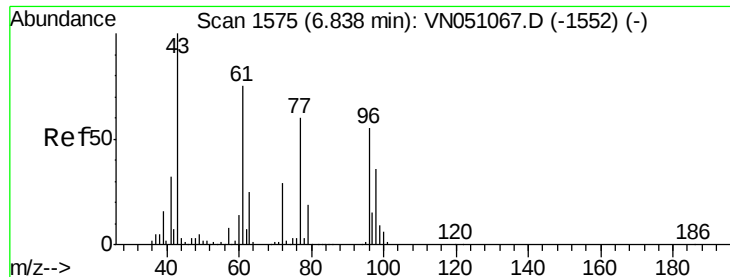
74 30.7 20.7 31.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

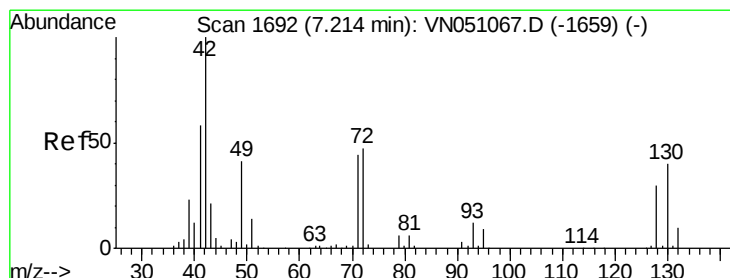
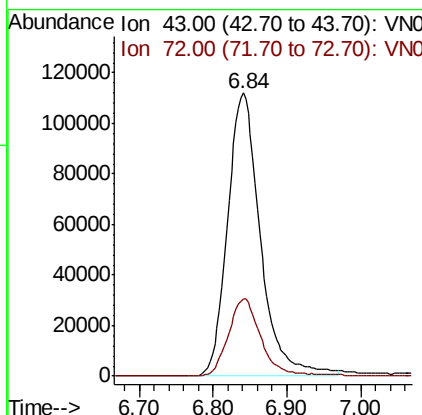
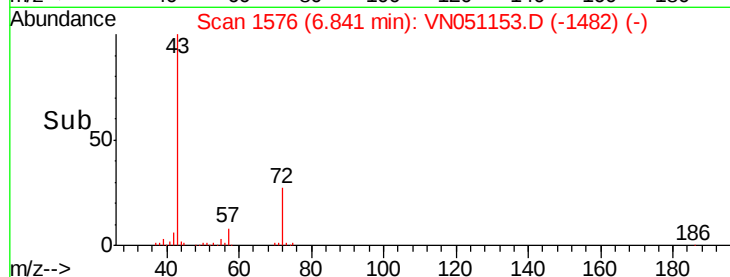
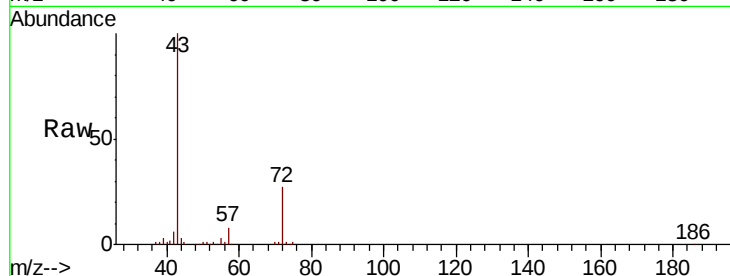




#25
2-Butanone
Concen: 130.69 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN051153.D
Acq: 12 Sep 2018 17:01

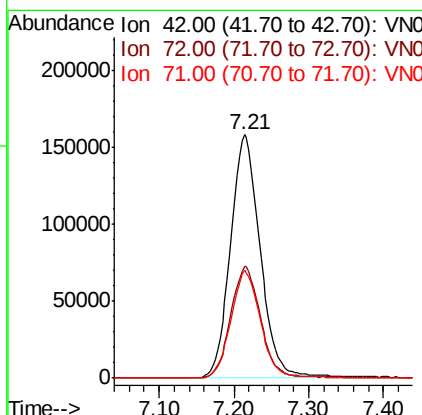
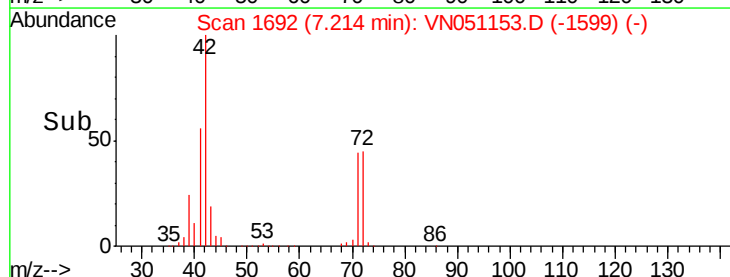
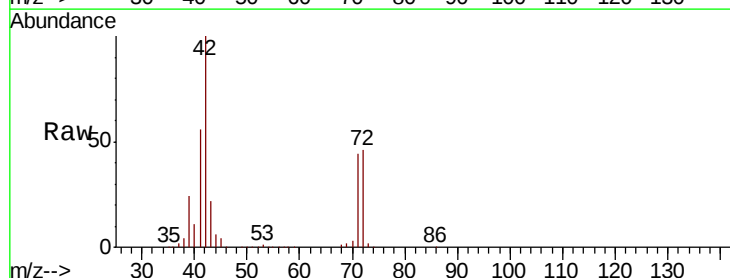
Instrument :
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28570

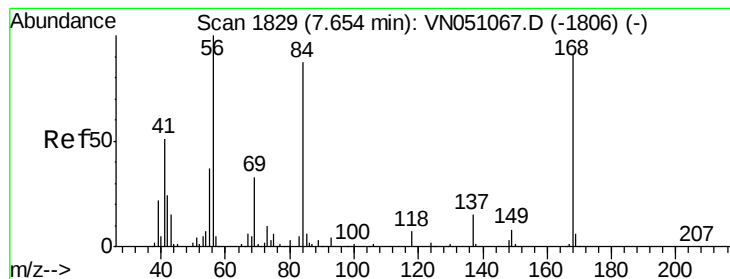
Tot Ion: 43 Resp: 347439
Ion Ratio Lower Upper
43 100
72 27.2 23.0 34.6



#29
Tetrahydrofuran
Concen: 263.27 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. -0.00 min
Lab File: VN051153.D
Acq: 12 Sep 2018 17:01

Tgt Ion: 42 Resp: 437081
Ion Ratio Lower Upper
42 100
72 46.2 37.4 56.0
71 43.8 34.7 52.1





#31

Cyclohexane

Concen: 0.65 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN051153.D

Acq: 12 Sep 2018 17:01

Instrument :

MSVOA_N

ClientSampleId :

28570

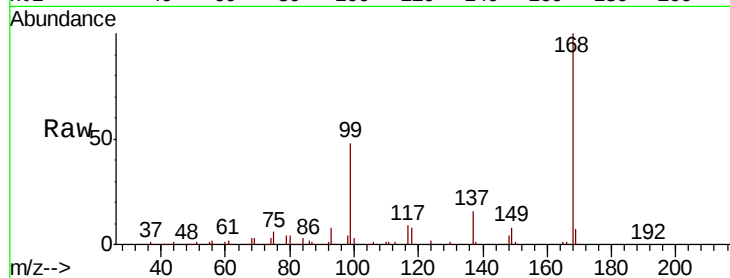
Tot Ion: 56 Resp: 9746

Ion Ratio Lower Upper

56 100

69 193.9 26.3 39.5#

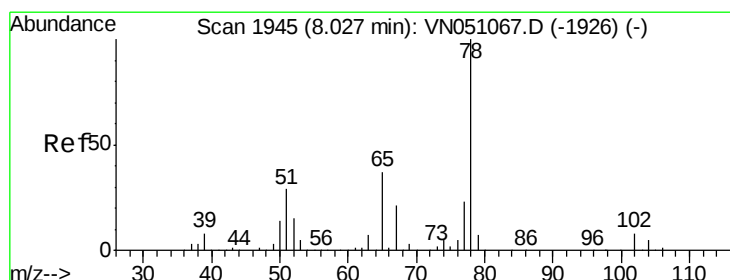
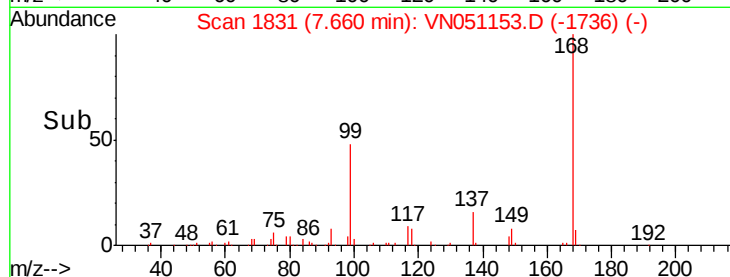
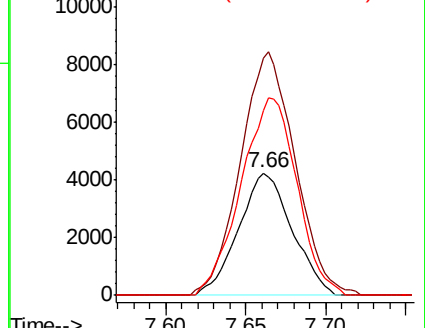
84 151.5 69.4 104.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 50.84 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. -0.00 min

Lab File: VN051153.D

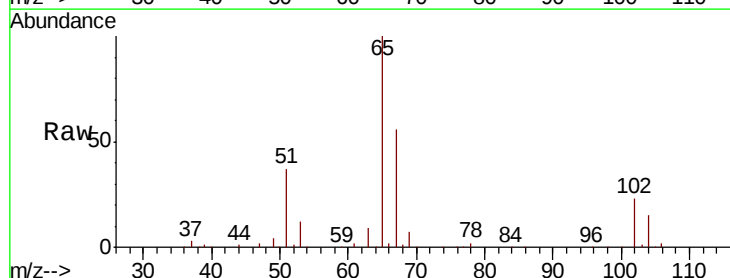
Acq: 12 Sep 2018 17:01

Tgt Ion: 65 Resp: 343795

Ion Ratio Lower Upper

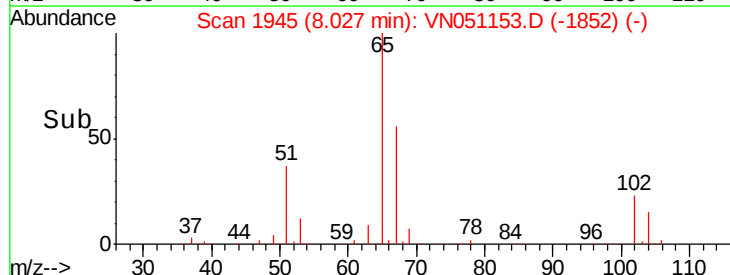
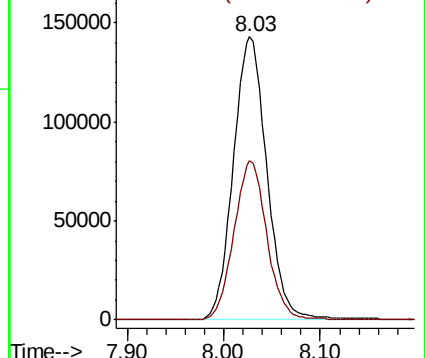
65 100

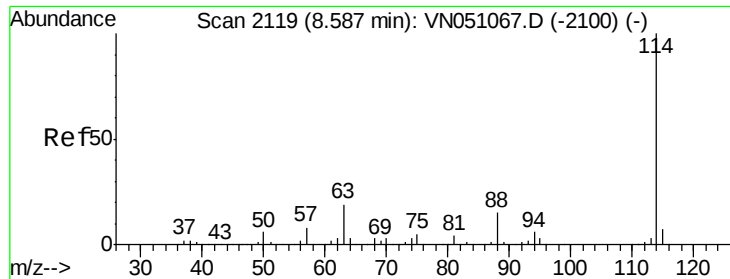
67 55.5 0.0 112.0



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

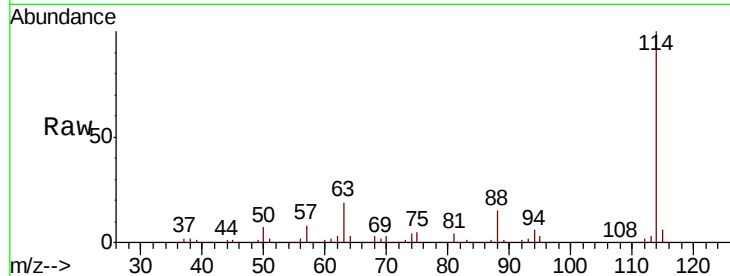




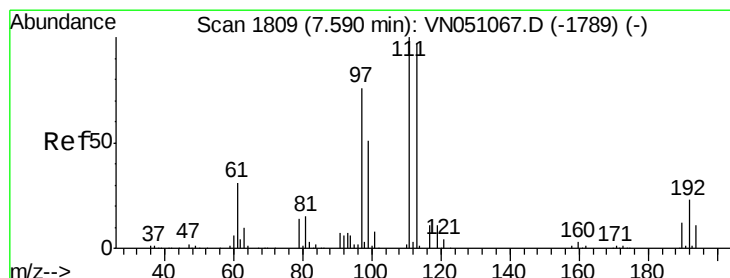
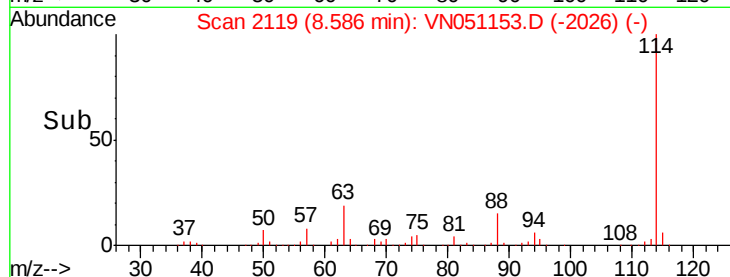
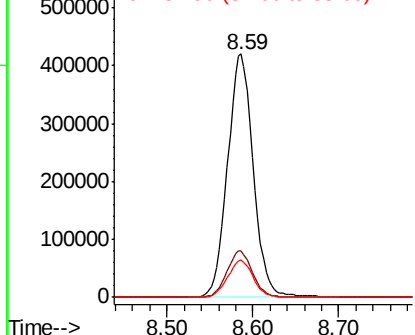
#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. -0.00 min
Lab File: VN051153.D
Acq: 12 Sep 2018 17:01

Instrument :
MSVOA_N
ClientSampled :
28570

Tot Ion:114 Resp: 872935
Ion Ratio Lower Upper
114 100
63 18.9 0.0 37.8
88 15.3 0.0 30.8

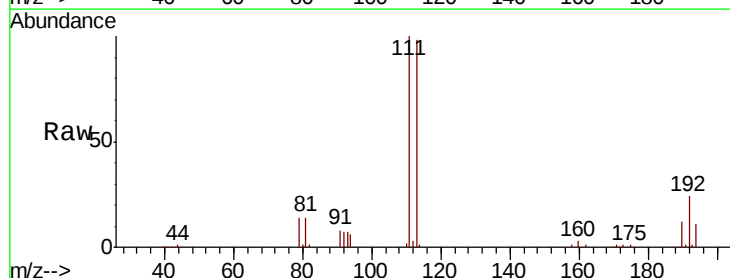


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

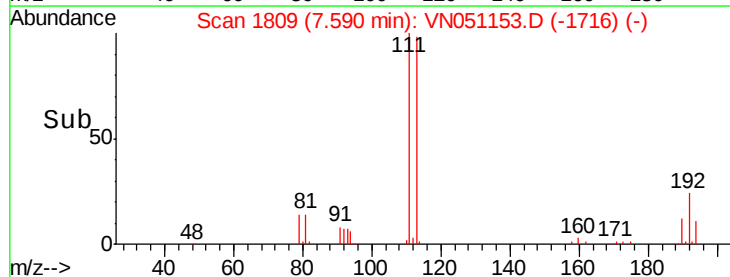
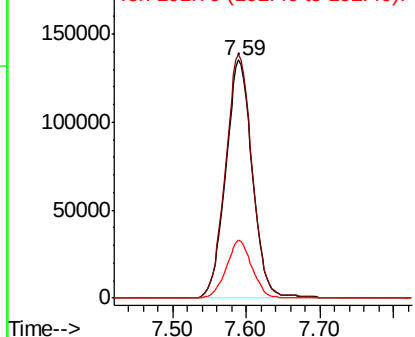


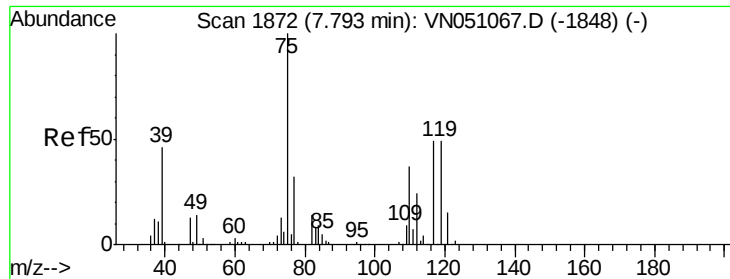
#35
Dibromofluoromethane
Concen: 51.55 ug/l
RT: 7.59 min Scan# 1809
Delta R.T. -0.00 min
Lab File: VN051153.D
Acq: 12 Sep 2018 17:01

Tgt Ion:113 Resp: 338120
Ion Ratio Lower Upper
113 100
111 103.0 83.0 124.6
192 23.4 18.7 28.1



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

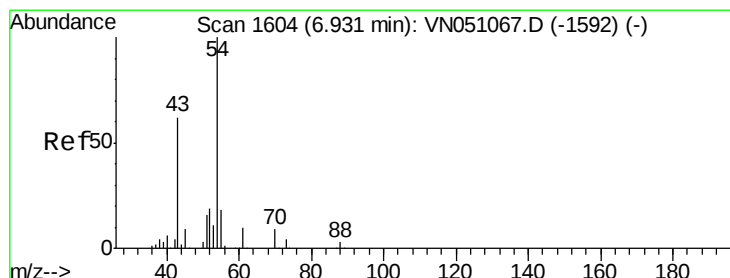
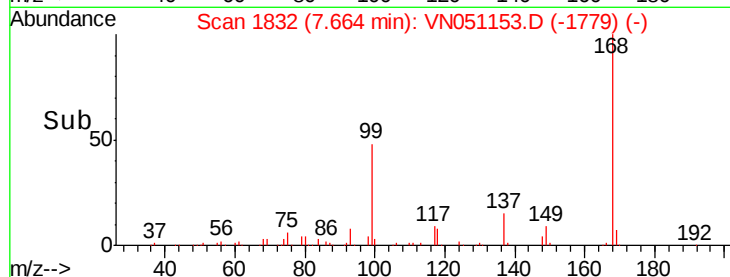
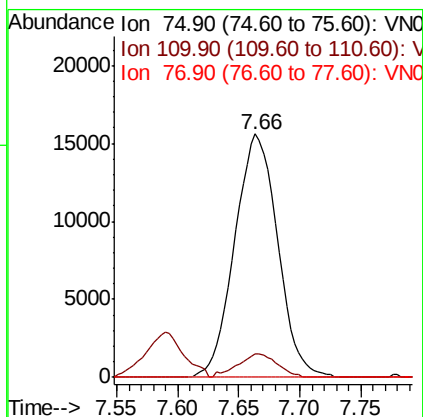
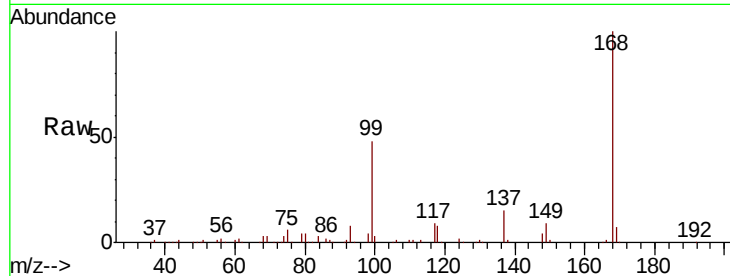




#36
 1,1-Dichloropropene
 Concen: 3.97 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN051153.D
 Acq: 12 Sep 2018 17:01

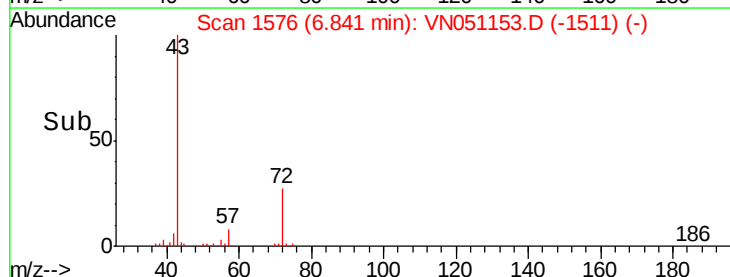
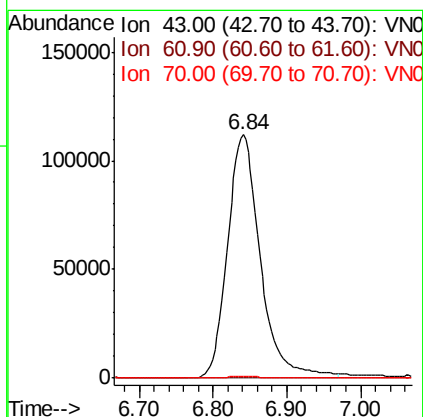
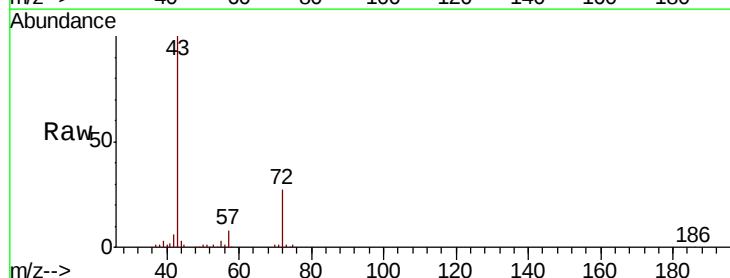
Instrument :
 MSVOA_N
 ClientSampled :
 28570

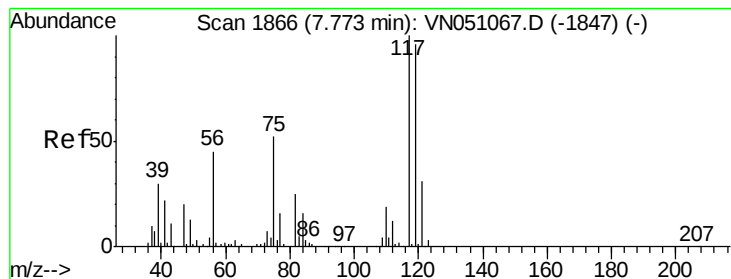
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.8	18.6	55.8#
77	0.0	25.2	37.8#



#37
 Ethyl Acetate
 Concen: 62.59 ug/l
 RT: 6.84 min Scan# 1576
 Delta R.T. -0.09 min
 Lab File: VN051153.D
 Acq: 12 Sep 2018 17:01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.4	18.6#
70	0.7	9.3	13.9#





#38

Carbon Tetrachloride

Concen: 5.55 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN051153.D

Acq: 12 Sep 2018 17:01

Instrument :

MSVOA_N

ClientSampleId :

28570

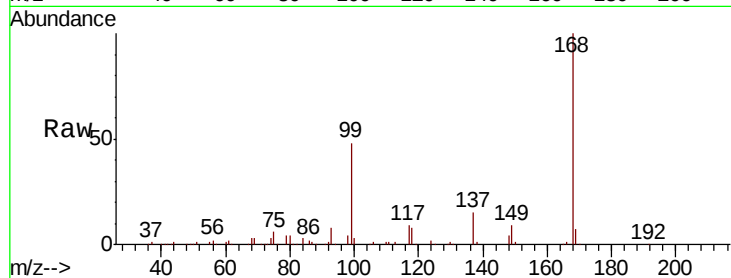
Tot Ion:117 Resp: 52372

Ion Ratio Lower Upper

117 100

119 4.9 76.8 115.2#

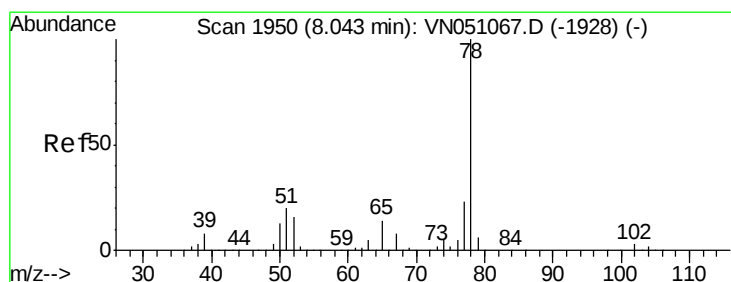
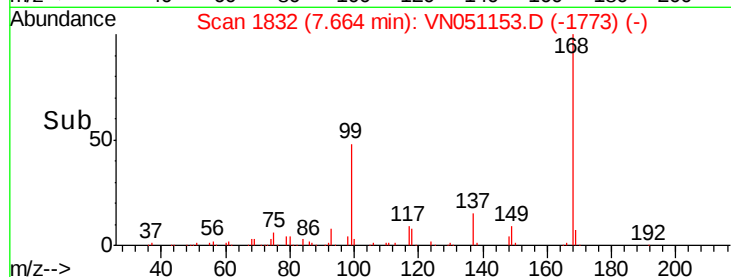
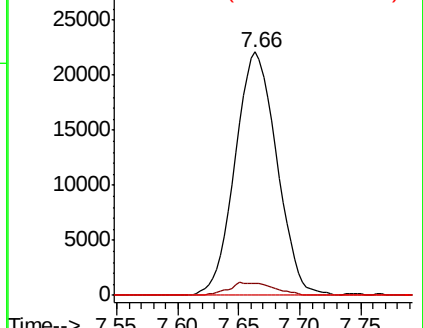
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#40

Benzene

Concen: 0.28 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN051153.D

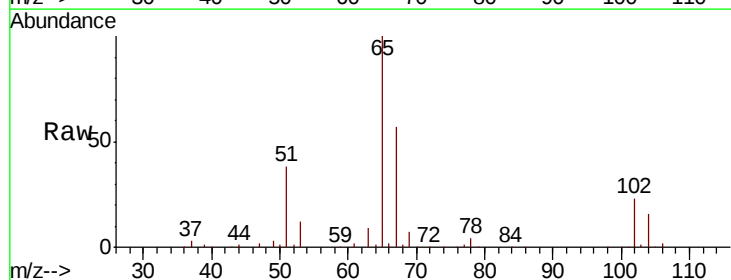
Acq: 12 Sep 2018 17:01

Tgt Ion: 78 Resp: 8081

Ion Ratio Lower Upper

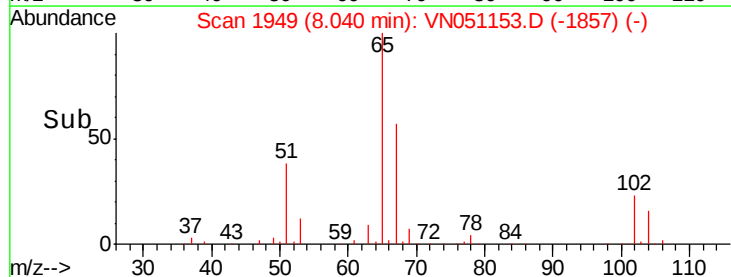
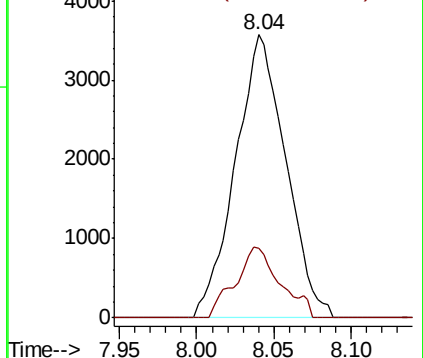
78 100

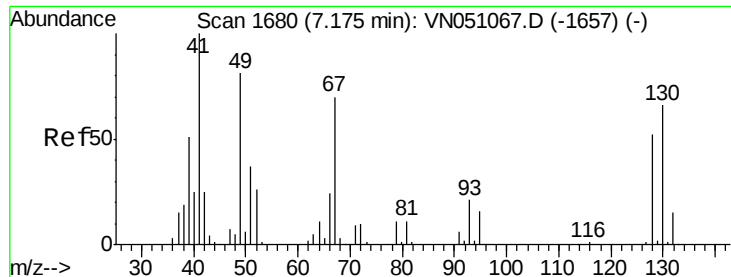
77 24.8 18.6 27.8



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 86.80 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.04 min

Lab File: VN051153.D

Acq: 12 Sep 2018 17:01

Instrument :
MSVOA_N
ClientSampled :
28570

Tot Ion: 41 Resp: 248586

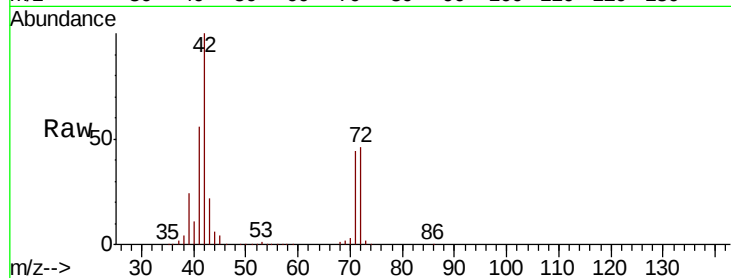
Ion Ratio Lower Upper

41 100

39 43.4 51.3 76.9#

67 0.0 78.5 117.7#

52 0.1 29.0 43.6#

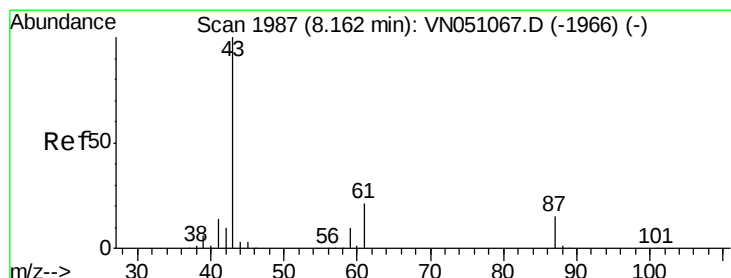
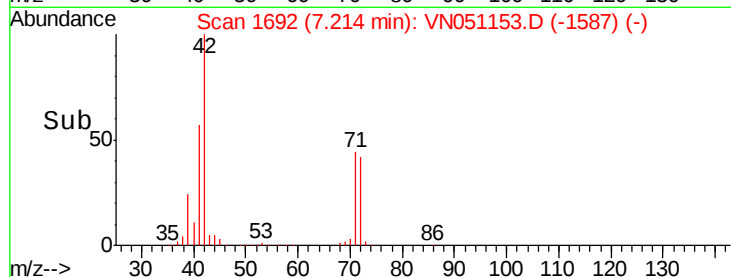
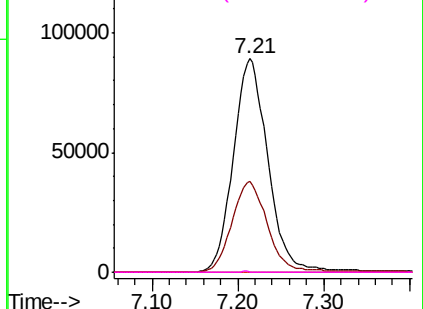


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 67.00 (66.70 to 67.70): VNO

Ion 52.00 (51.70 to 52.70): VNO



#43

Isopropyl Acetate

Concen: 9.54 ug/l

RT: 8.29 min Scan# 2027

Delta R.T. 0.13 min

Lab File: VN051153.D

Acq: 12 Sep 2018 17:01

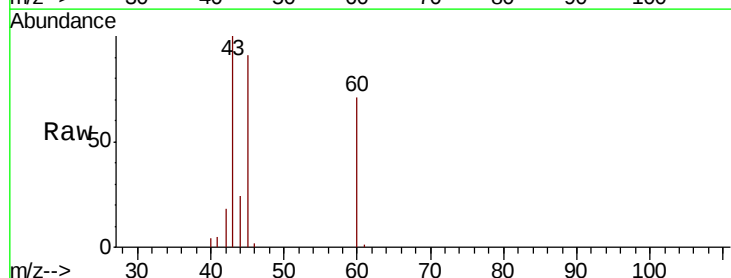
Tgt Ion: 43 Resp: 93428

Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.6#

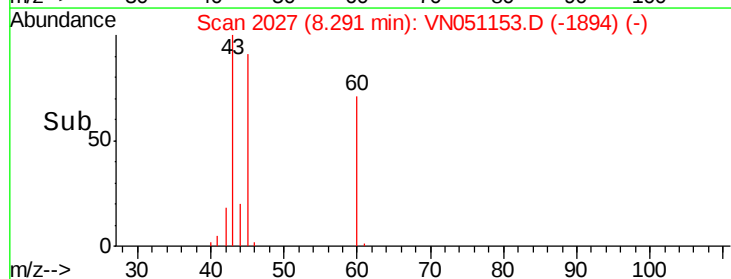
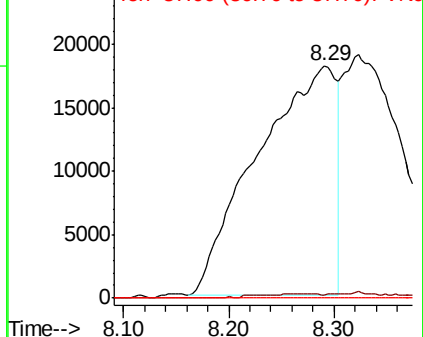
87 0.0 11.8 17.8#

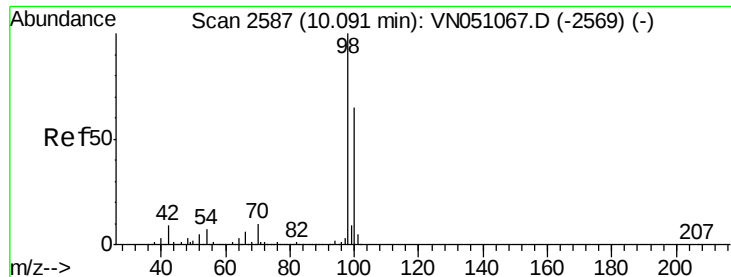


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#50

Toluene-d8

Concen: 47.72 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051153.D

Acq: 12 Sep 2018 17:01

Instrument :

MSVOA_N

ClientSampleId :

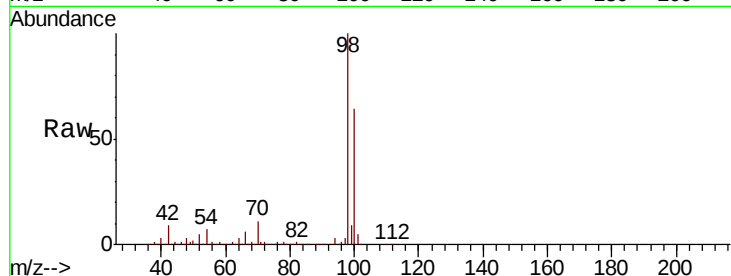
28570

Tot Ion: 98 Resp: 1187812

Ion Ratio Lower Upper

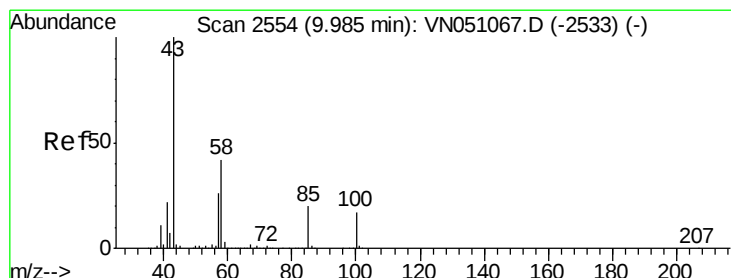
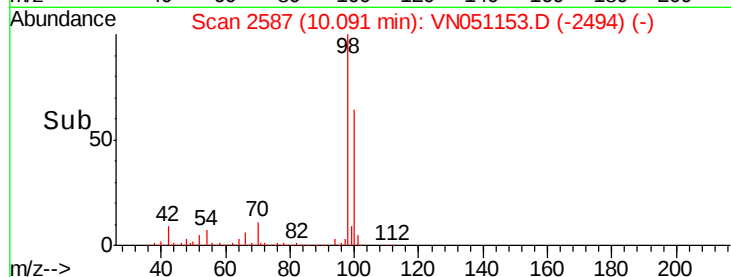
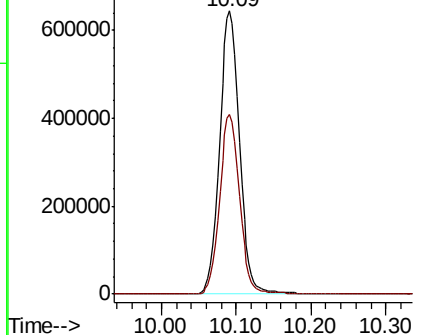
98 100

100 63.9 52.0 78.0



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

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



#51

4-Methyl-2-Pentanone

Concen: 2.14 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN051153.D

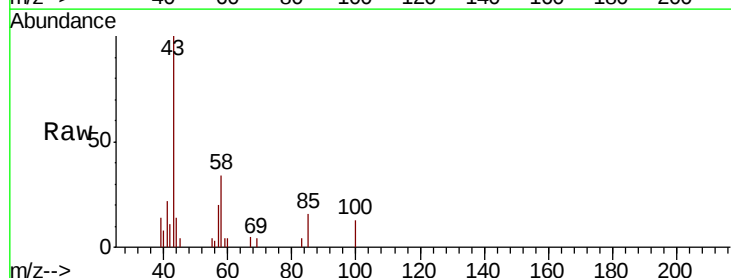
Acq: 12 Sep 2018 17:01

Tgt Ion: 43 Resp: 11594

Ion Ratio Lower Upper

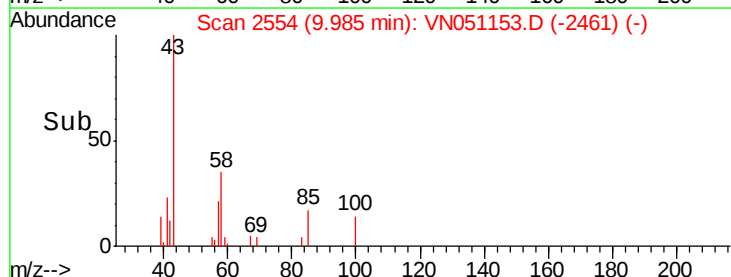
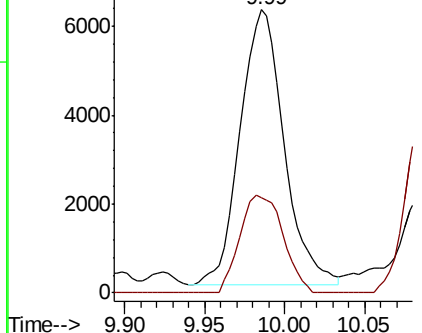
43 100

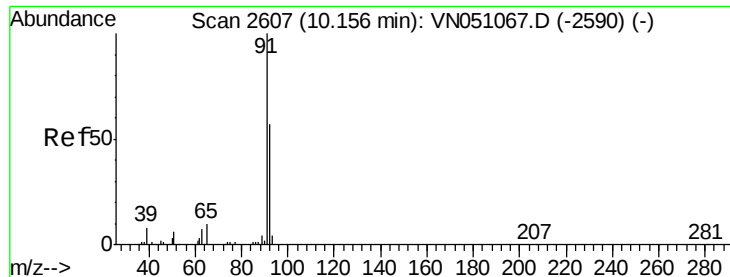
58 34.8 33.5 50.3



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

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





#52

Toluene

Concen: 20.39 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN051153.D

Acq: 12 Sep 2018 17:01

Instrument :

MSVOA_N

ClientSampled :

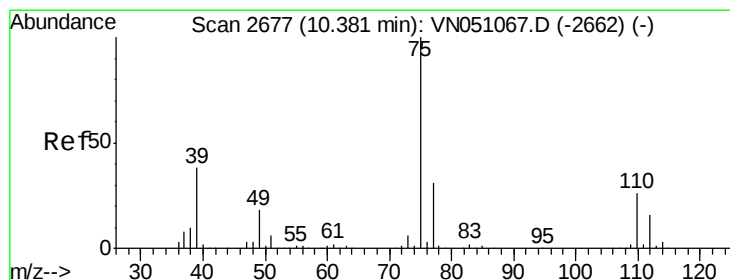
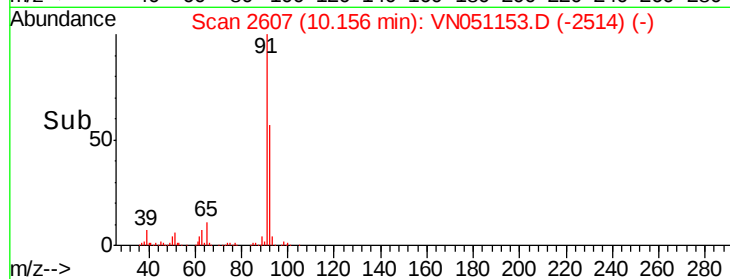
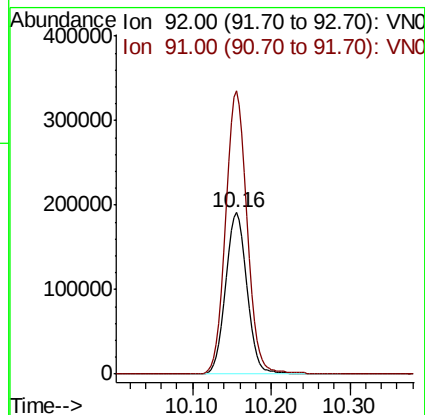
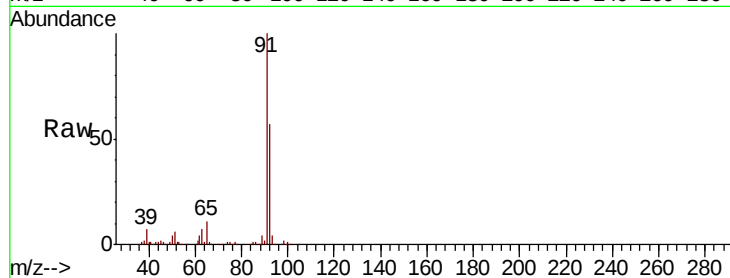
28570

Tot Ion: 92 Resp: 359151

Ion Ratio Lower Upper

92 100

91 175.3 139.5 209.3



#53

t-1,3-Dichloropropene

Concen: 0.39 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.23 min

Lab File: VN051153.D

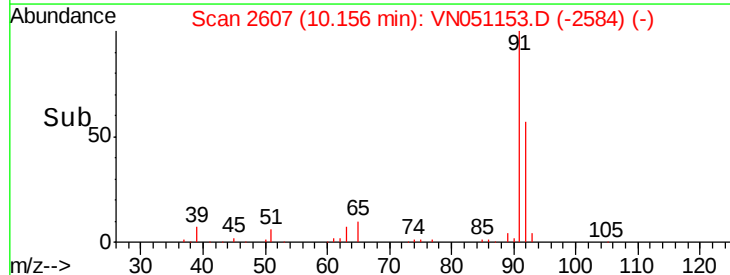
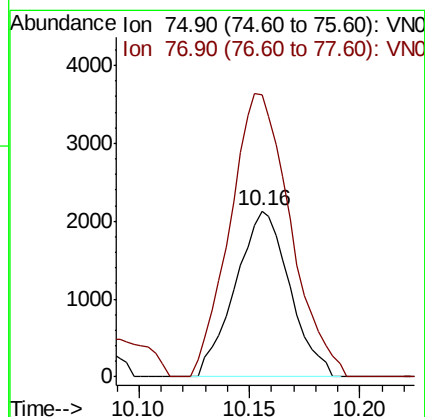
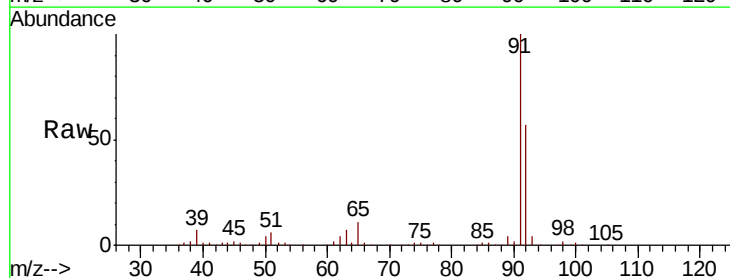
Acq: 12 Sep 2018 17:01

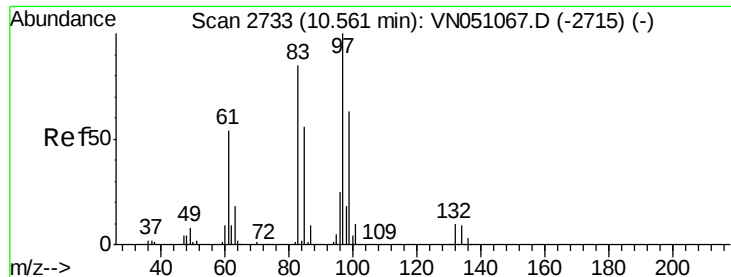
Tgt Ion: 75 Resp: 3651

Ion Ratio Lower Upper

75 100

77 170.2 25.3 37.9#

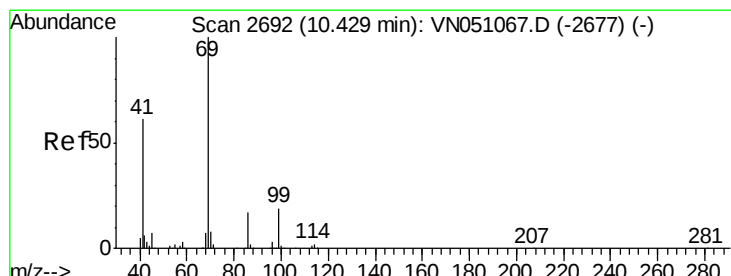
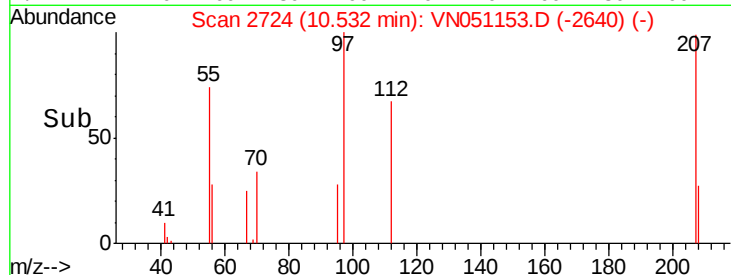
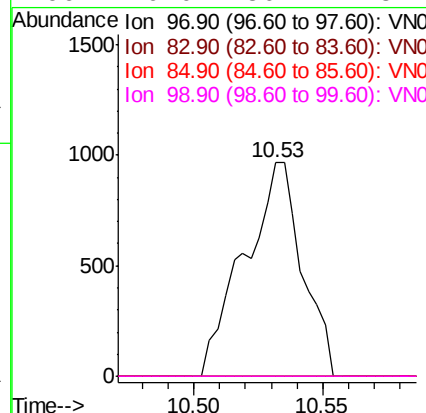
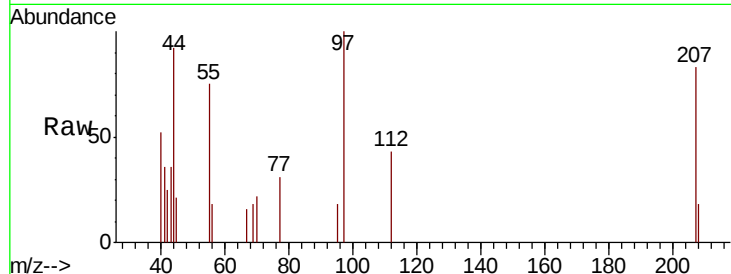




#55
 1,1,2-Trichloroethane
 Concen: 0.24 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.03 min
 Lab File: VN051153.D
 Acq: 12 Sep 2018 17:01

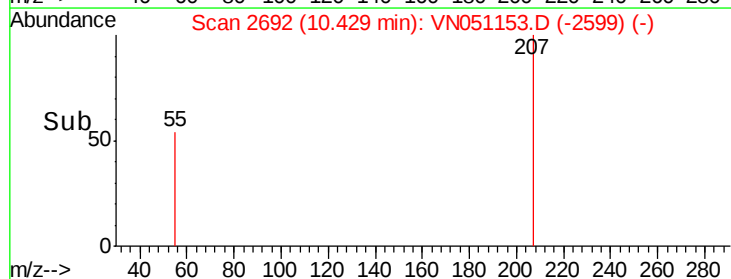
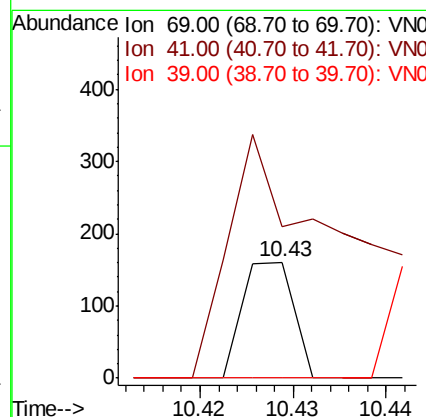
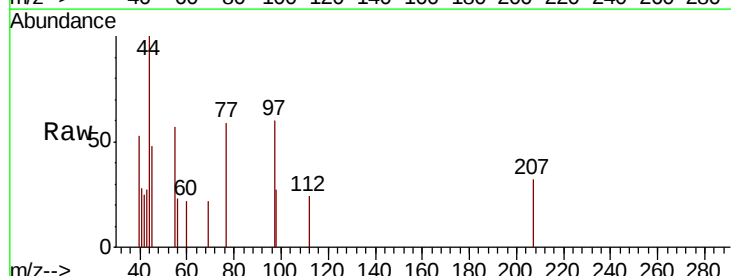
Instrument :
 MSVOA_N
 ClientSampleId :
 28570

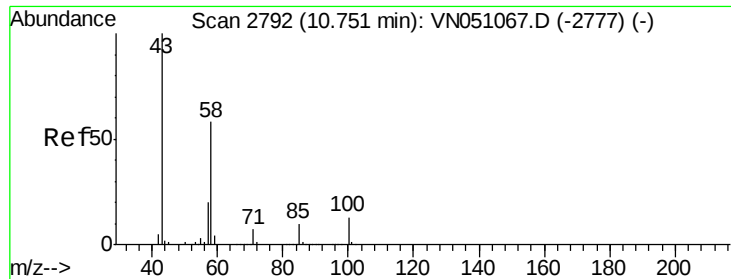
Tot Ion: 97 Resp: 1517
 Ion Ratio Lower Upper
 97 100
 83 0.0 68.2 102.2#
 85 0.0 44.8 67.2#
 99 0.0 50.2 75.4#



#56
 Ethyl methacrylate
 Concen: 2.46 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. -0.00 min
 Lab File: VN051153.D
 Acq: 12 Sep 2018 17:01

Tgt Ion: 69 Resp: 62
 Ion Ratio Lower Upper
 69 100
 41 509.7 47.8 71.8#
 39 0.0 23.0 34.4#

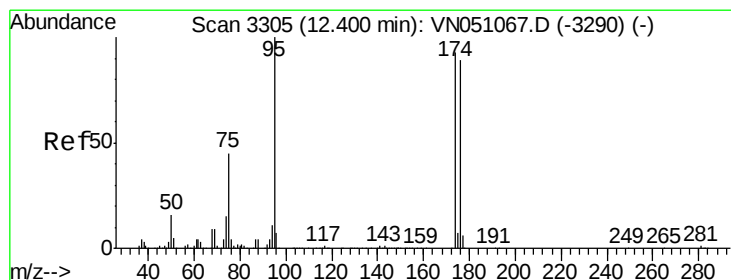
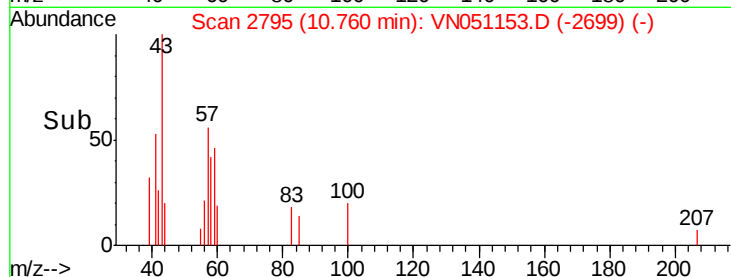
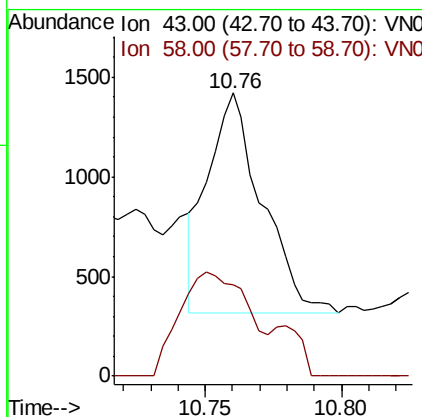
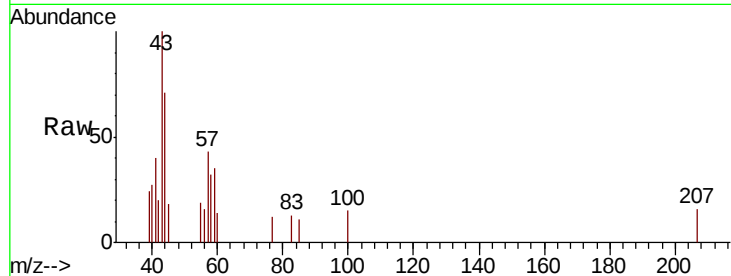




#59
2-Hexanone
Concen: 0.42 ug/l
RT: 10.76 min Scan# 2795
Delta R.T. 0.01 min
Lab File: VN051153.D
Acq: 12 Sep 2018 17:01

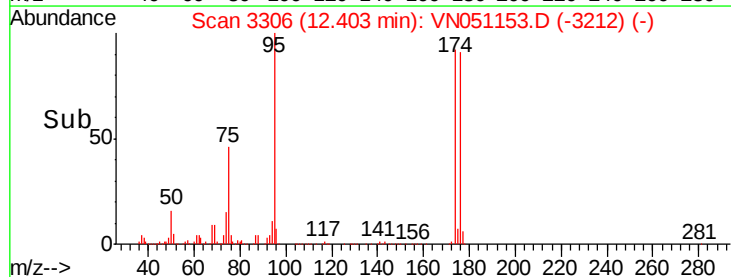
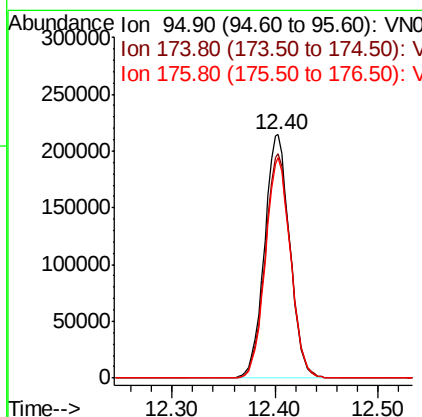
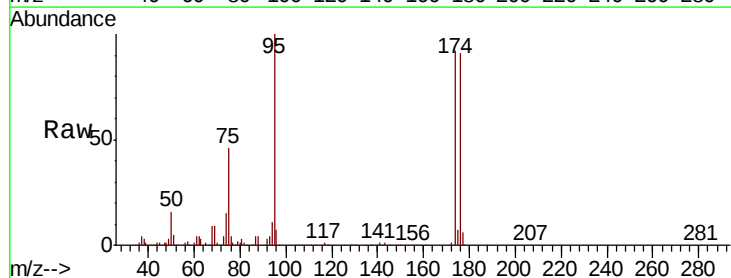
Instrument :
MSVOA_N
ClientSampleId :
28570

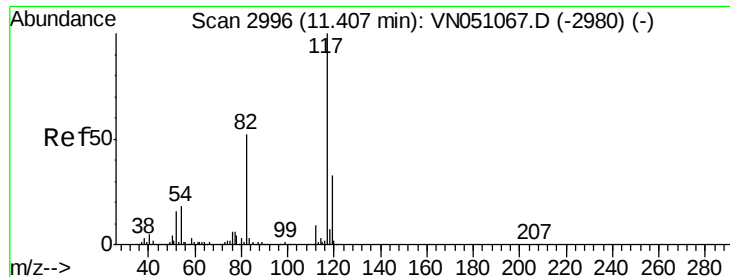
Tot Ion: 43 Resp: 1525
Ion Ratio Lower Upper
43 100
58 60.4 29.3 88.0



#62
4-Bromofluorobenzene
Concen: 44.17 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051153.D
Acq: 12 Sep 2018 17:01

Tgt Ion: 95 Resp: 363688
Ion Ratio Lower Upper
95 100
174 92.8 0.0 184.8
176 89.6 0.0 178.6





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN051153.D

Acq: 12 Sep 2018 17:01

Instrument :

MSVOA_N

ClientSampled :

28570

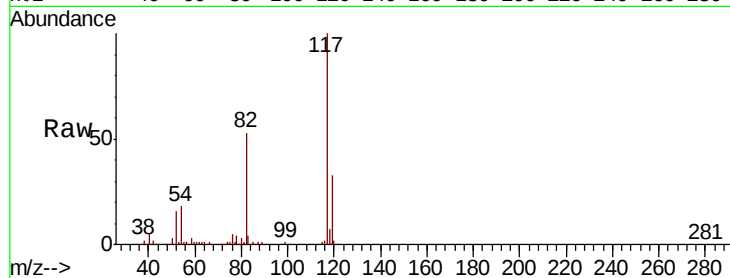
Tot Ion:117 Resp: 740156

Ion Ratio Lower Upper

117 100

82 53.3 41.8 62.6

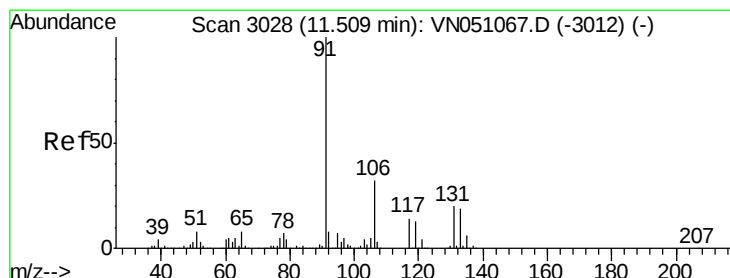
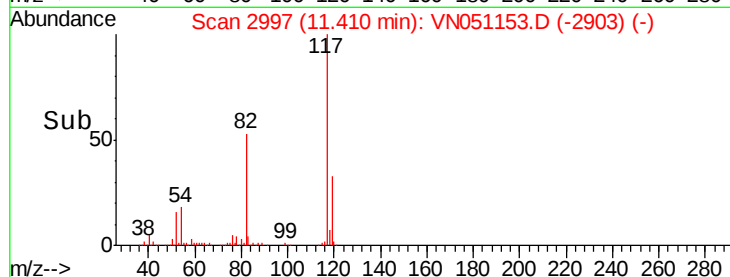
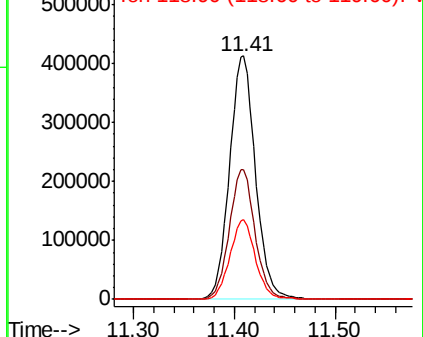
119 32.6 26.2 39.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#67

Ethyl Benzene

Concen: 1.05 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN051153.D

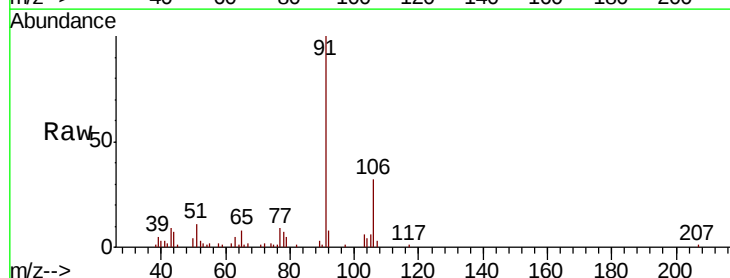
Acq: 12 Sep 2018 17:01

Tgt Ion: 91 Resp: 31622

Ion Ratio Lower Upper

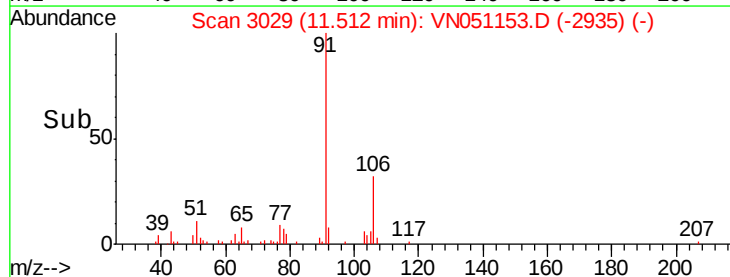
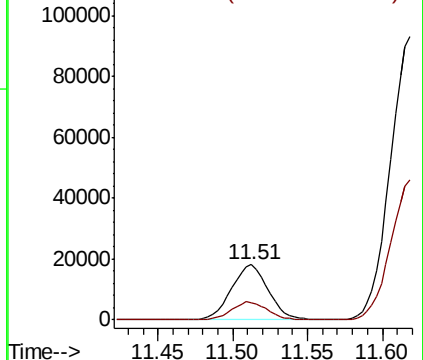
91 100

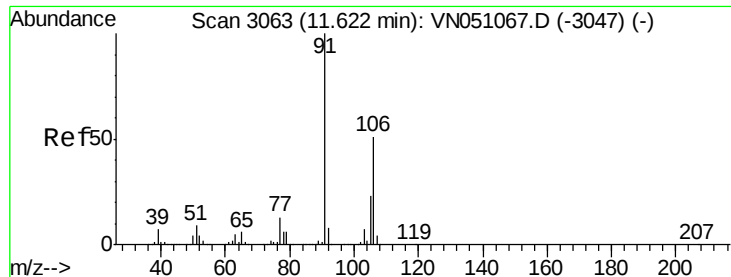
106 32.2 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 106.00 (105.70 to 106.70): V

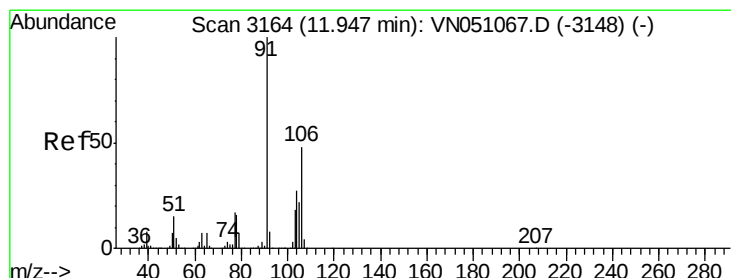
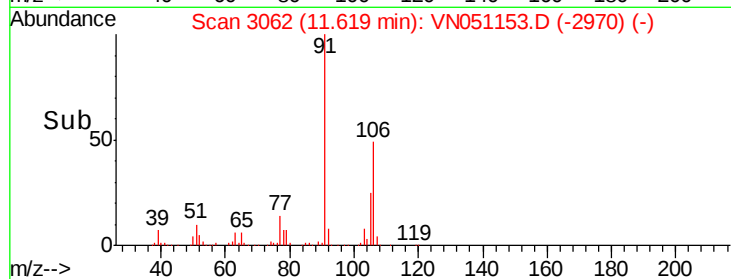
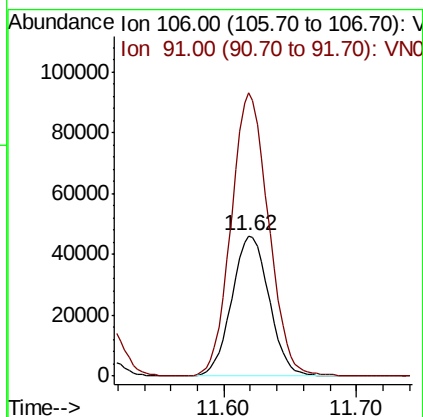
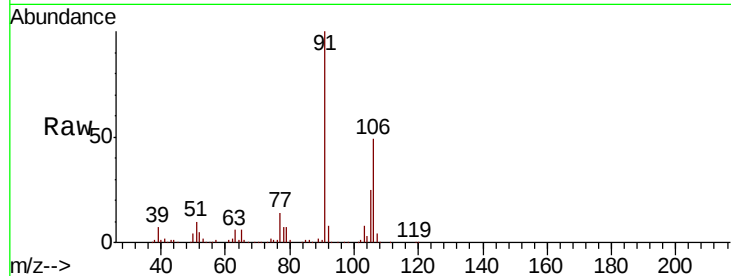




#68
m/p-Xvlenes
Concen: 7.75 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN051153.D
Acq: 12 Sep 2018 17:01

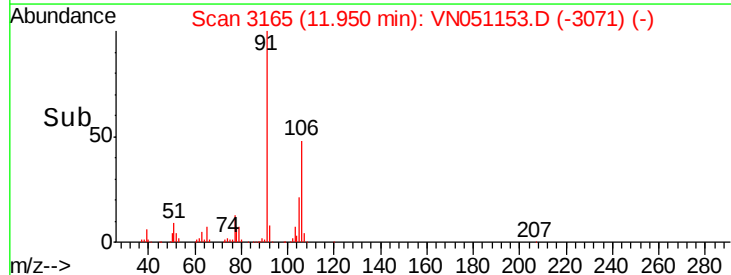
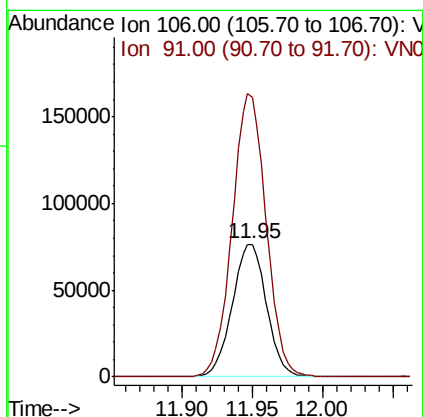
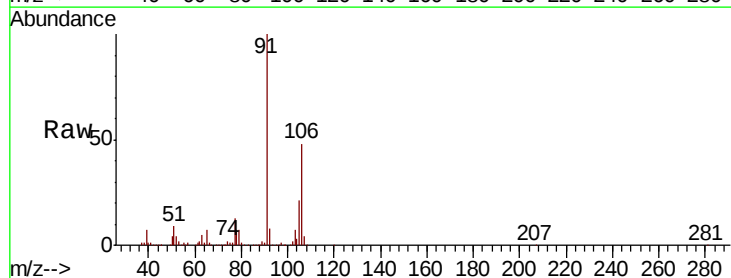
Instrument :
MSVOA_N
ClientSampled :
28570

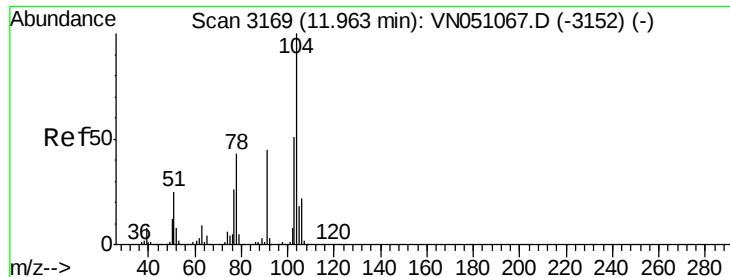
Tot Ion:106 Resp: 89998
Ion Ratio Lower Upper
106 100
91 202.6 159.8 239.6



#69
o-Xylene
Concen: 11.56 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN051153.D
Acq: 12 Sep 2018 17:01

Tgt Ion:106 Resp: 129942
Ion Ratio Lower Upper
106 100
91 211.8 105.1 315.1

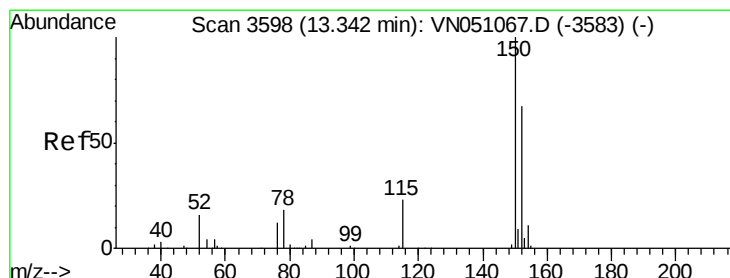
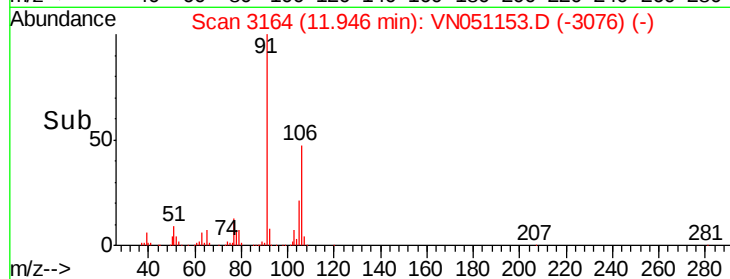
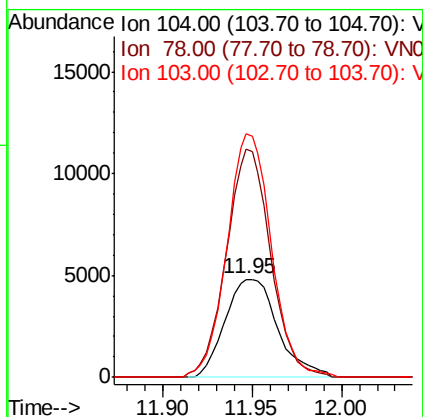
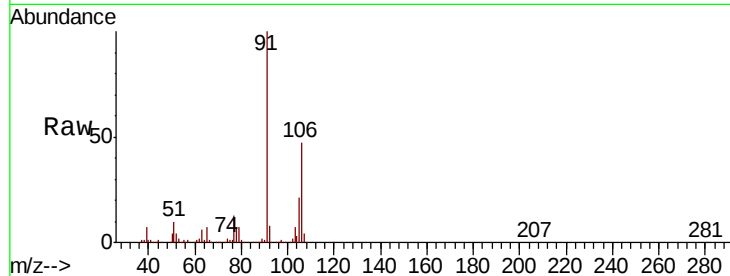




#70
Stvrene
Concen: 0.57 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.02 min
Lab File: VN051153.D
Acq: 12 Sep 2018 17:01

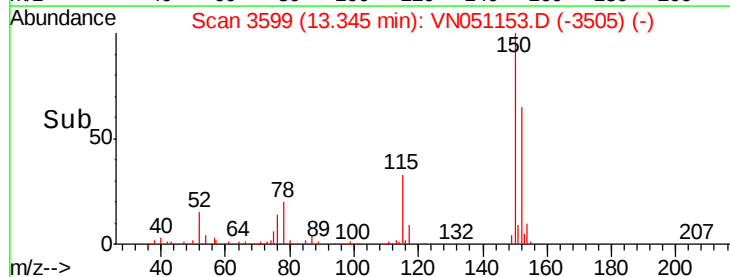
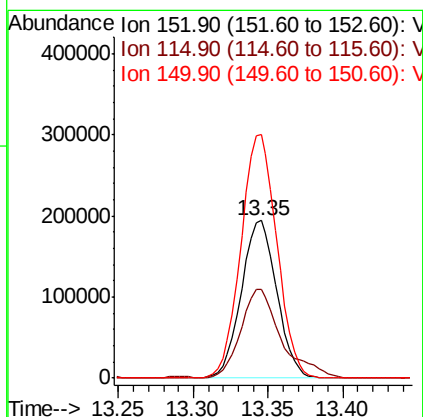
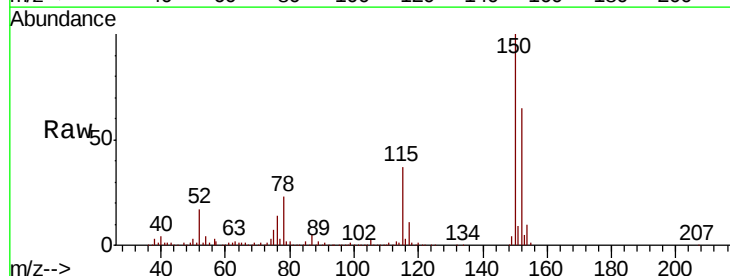
Instrument :
MSVOA_N
ClientSampleId :
28570

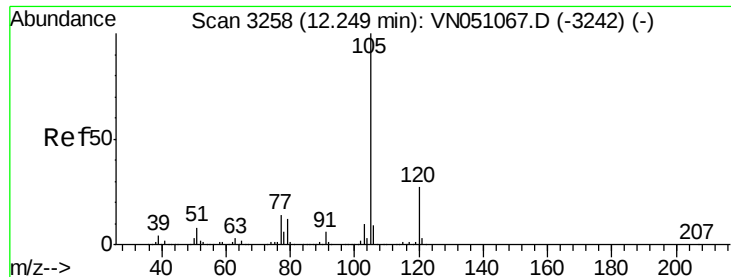
Tot Ion:104 Resp: 9918
Ion Ratio Lower Upper
104 100
78 196.0 37.7 56.5#
103 208.8 44.6 67.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN051153.D
Acq: 12 Sep 2018 17:01

Tgt Ion:152 Resp: 320769
Ion Ratio Lower Upper
152 100
115 64.2 28.2 84.7
150 156.7 0.0 349.0





#73

Isopropylbenzene

Concen: 0.64 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN051153.D

Acq: 12 Sep 2018 17:01

Instrument :

MSVOA_N

ClientSampleId :

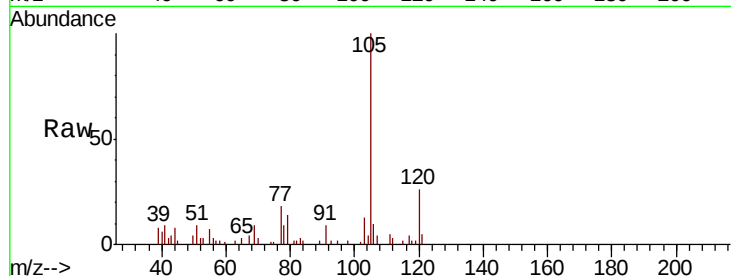
28570

Tot Ion:105 Resp: 17255

Ion Ratio Lower Upper

105 100

120 27.3 13.6 40.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12000

10000

8000

6000

4000

2000

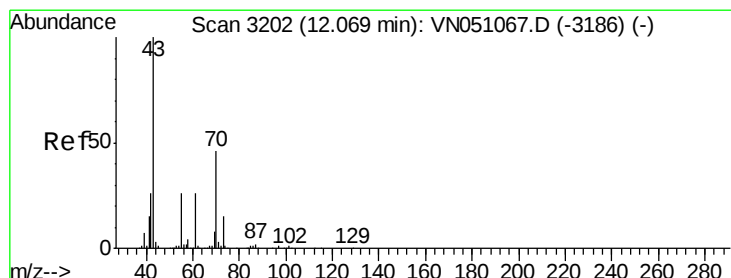
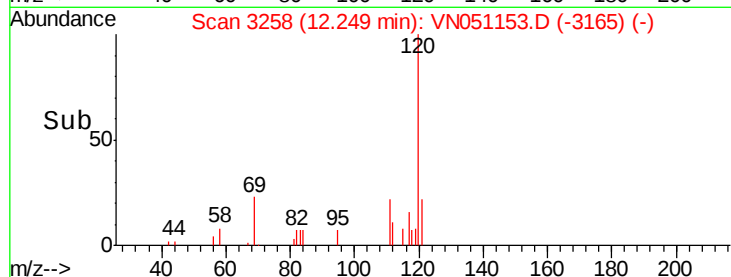
0

Time-->

12.20

12.25

12.30



#74

N-ethyl acetate

Concen: 0.46 ug/l

RT: 12.03 min Scan# 3191

Delta R.T. -0.04 min

Lab File: VN051153.D

Acq: 12 Sep 2018 17:01

Tgt Ion: 43 Resp: 3092

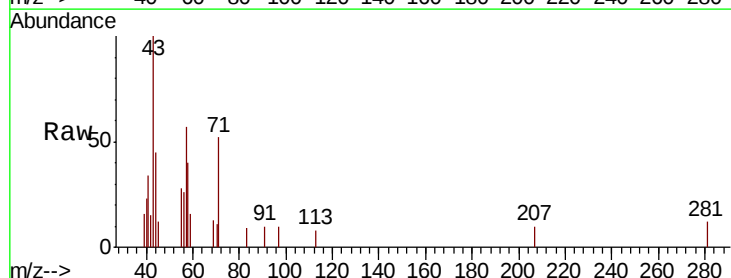
Ion Ratio Lower Upper

43 100

70 9.8 37.0 55.4#

55 0.0 21.3 31.9#

61 0.0 20.7 31.1#



Abundance Ion 43.00 (42.70 to 43.70): 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

2500

2000

1500

1000

500

0

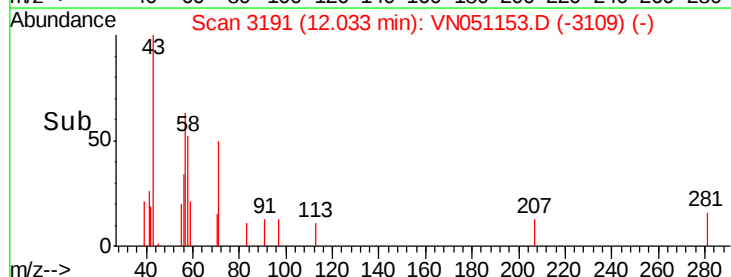
Time-->

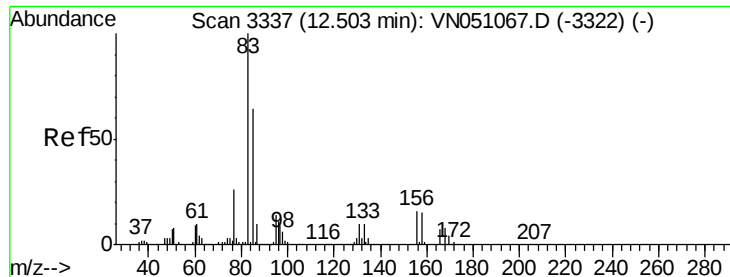
11.95

12.00

12.05

12.10





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.48 min Scan# 3330

Delta R.T. -0.02 min

Lab File: VN051153.D

Acq: 12 Sep 2018 17:01

Instrument :

MSVOA_N

ClientSampleId :

28570

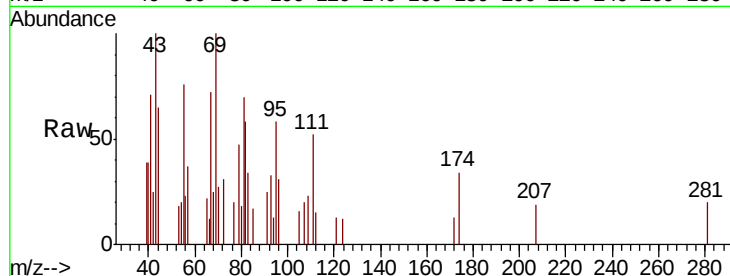
Tot Ion: 83 Resp: 123

Ion Ratio Lower Upper

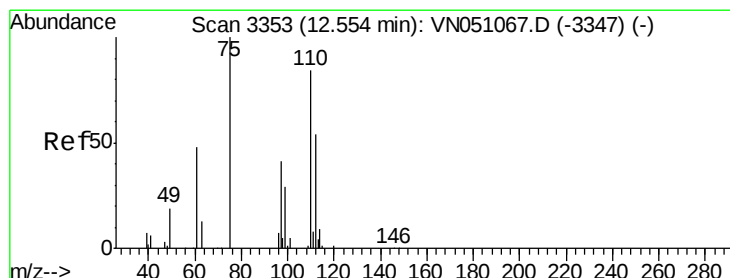
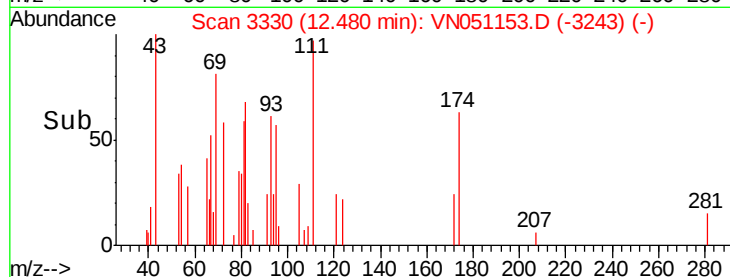
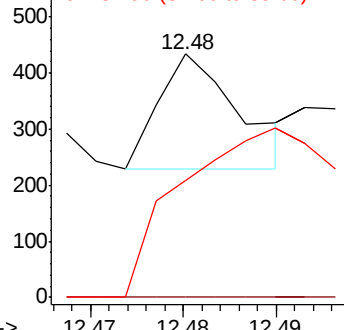
83 100

131 0.0 5.3 16.1#

85 298.4 32.3 96.8#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 33.40 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051153.D

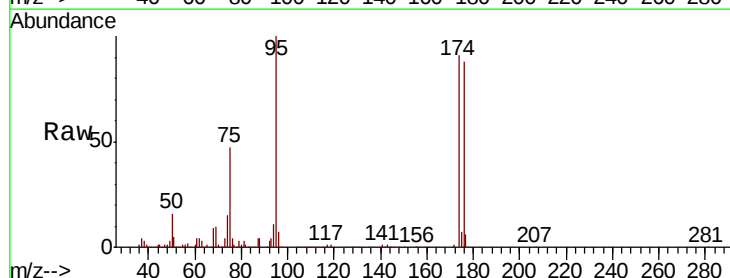
Acq: 12 Sep 2018 17:01

Tgt Ion: 75 Resp: 168551

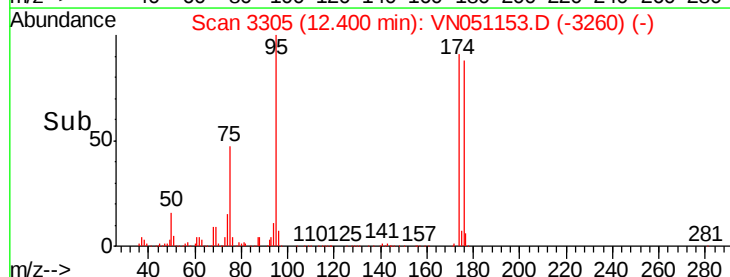
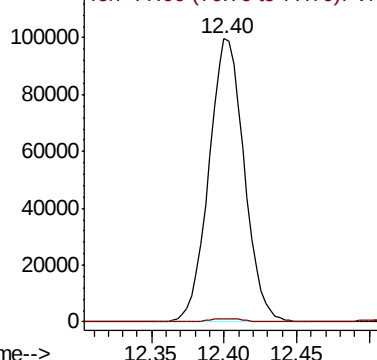
Ion Ratio Lower Upper

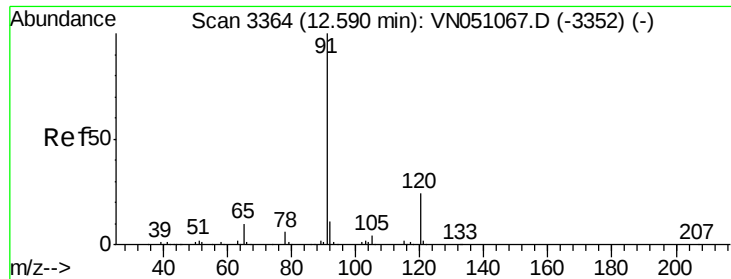
75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#78

n-propylbenzene

Concen: 1.32 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN051153.D

Acq: 12 Sep 2018 17:01

Instrument :

MSVOA_N

ClientSampled :

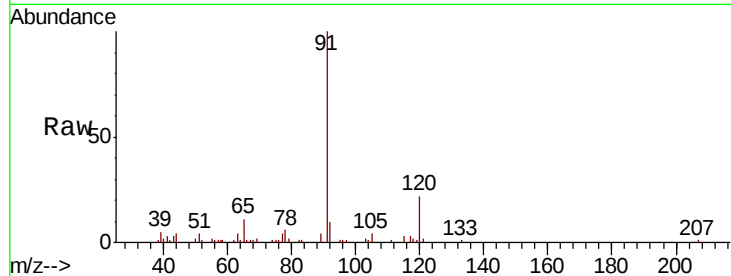
28570

Tot Ion: 91 Resp: 39133

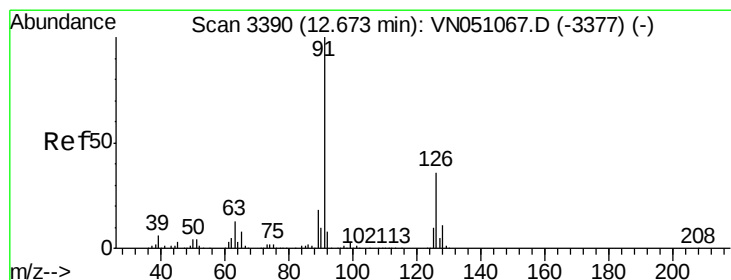
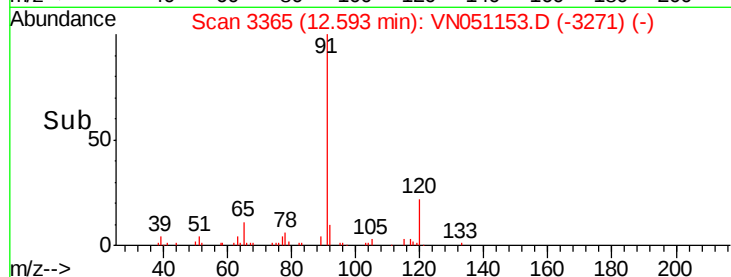
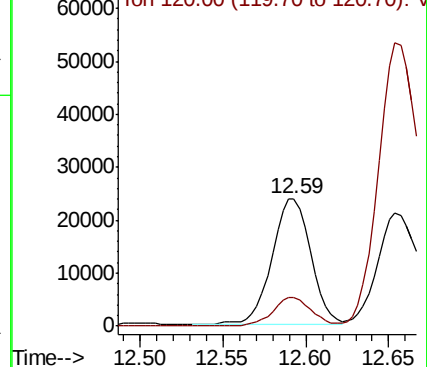
Ion Ratio Lower Upper

91 100

120 22.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3352) (-)



#79

2-Chlorotoluene

Concen: 1.08 ug/l

RT: 12.69 min Scan# 3394

Delta R.T. 0.01 min

Lab File: VN051153.D

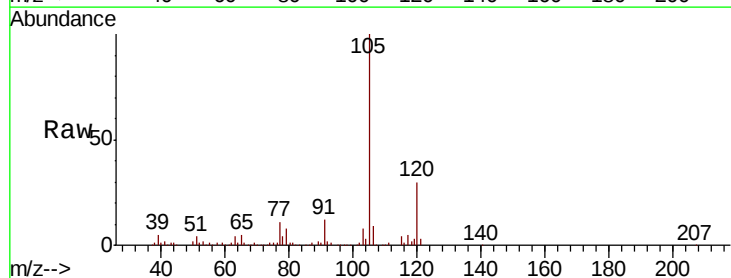
Acq: 12 Sep 2018 17:01

Tgt Ion: 91 Resp: 19884

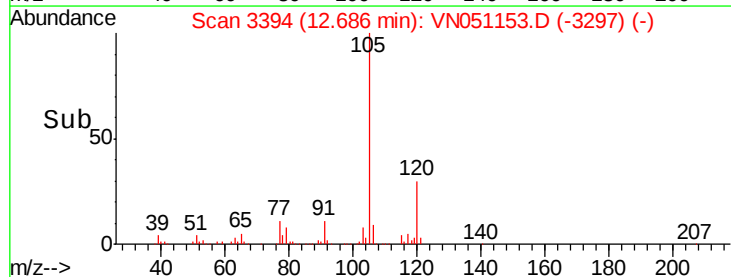
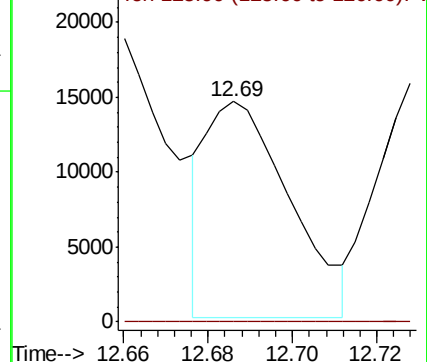
Ion Ratio Lower Upper

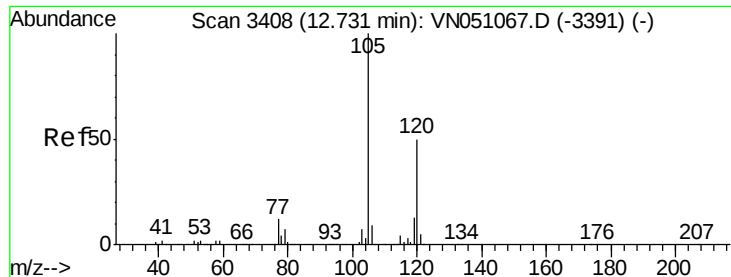
91 100

126 0.0 17.9 53.7#



Abundance Ion 91.00 (90.70 to 91.70): VN051067.D (-3377) (-)

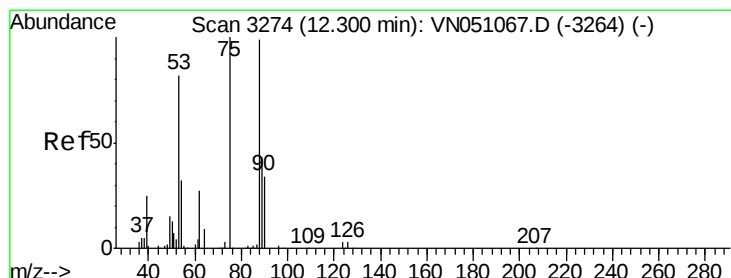
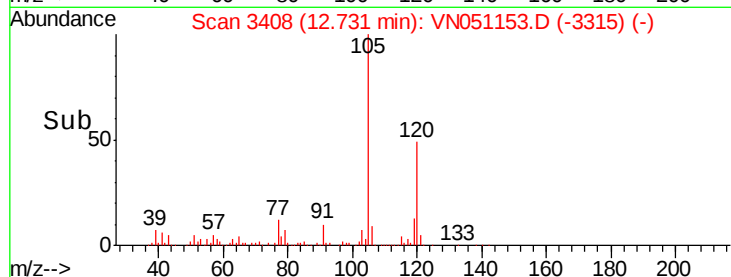
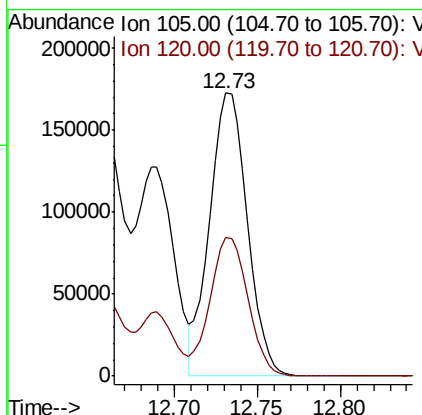
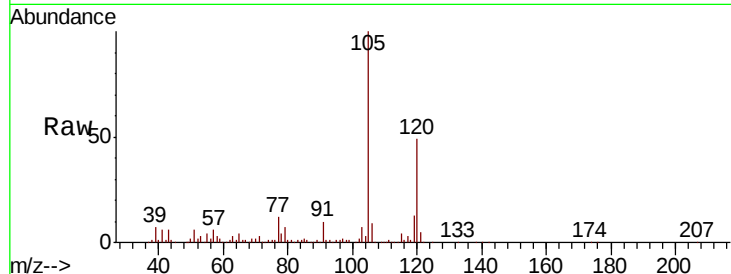




#80
 1,3,5-Trimethylbenzene
 Concen: 12.51 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. -0.00 min
 Lab File: VN051153.D
 Acq: 12 Sep 2018 17:01

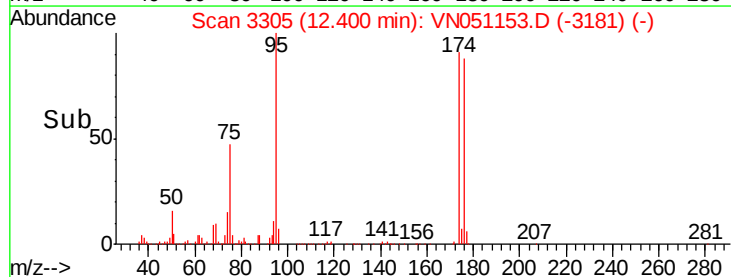
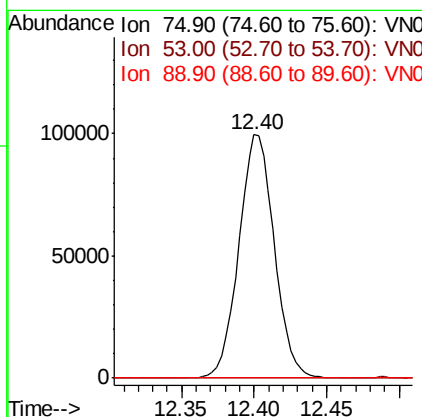
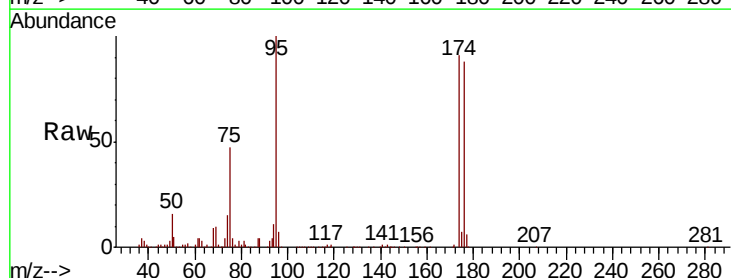
Instrument :
 MSVOA_N
 ClientSampleId :
 28570

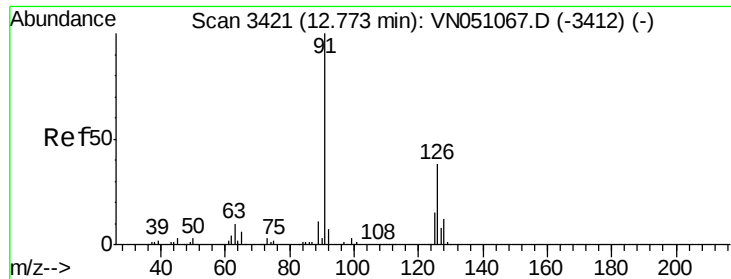
Tot Ion:105 Resp: 271981
 Ion Ratio Lower Upper
 105 100
 120 49.7 24.9 74.6



#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.79 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.10 min
 Lab File: VN051153.D
 Acq: 12 Sep 2018 17:01

Tgt Ion: 75 Resp: 168551
 Ion Ratio Lower Upper
 75 100
 53 0.3 67.8 101.8#
 89 0.0 36.0 54.0#





#82

4-Chlorotoluene

Concen: 1.49 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN051153.D

Acq: 12 Sep 2018 17:01

Instrument :

MSVOA_N

ClientSampleId :

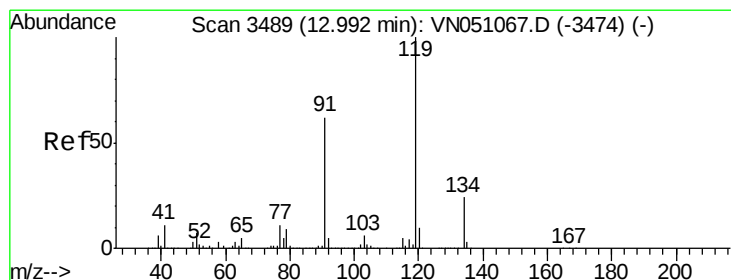
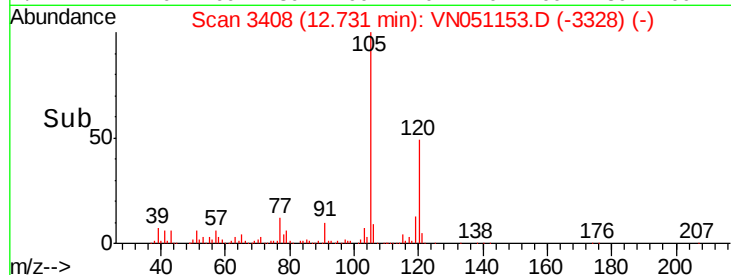
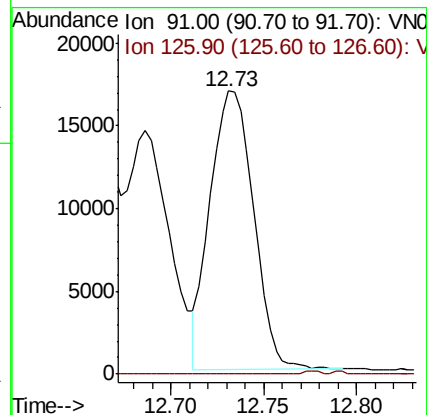
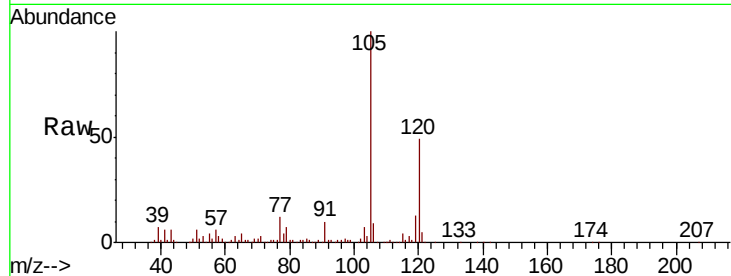
28570

Tot Ion: 91 Resp: 27290

Ion Ratio Lower Upper

91 100

126 0.0 17.6 52.8#



#83

tert-Butylbenzene

Concen: 1.21 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN051153.D

Acq: 12 Sep 2018 17:01

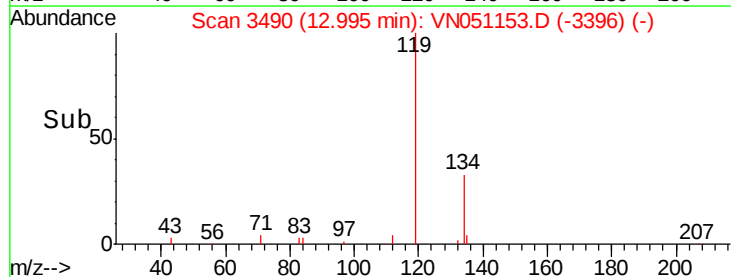
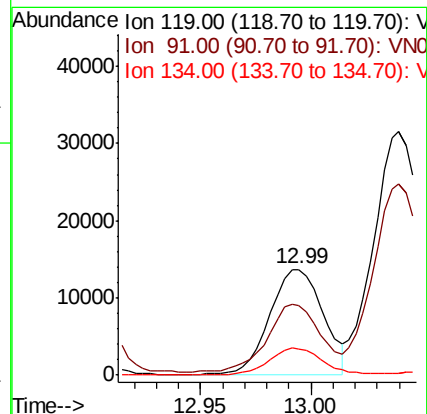
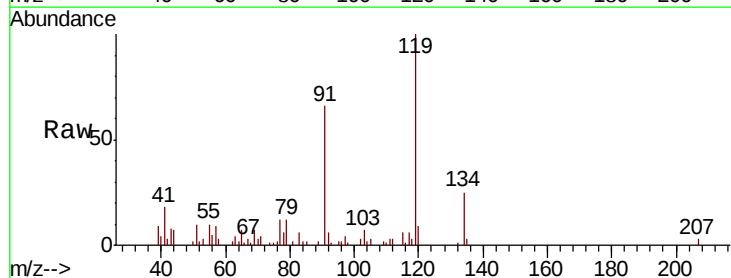
Tgt Ion: 119 Resp: 23143

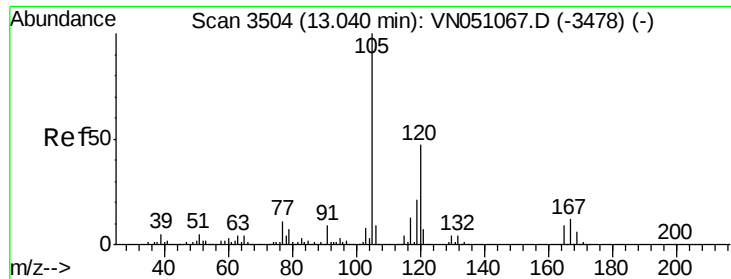
Ion Ratio Lower Upper

119 100

91 64.5 30.8 92.3

134 25.9 13.2 39.6

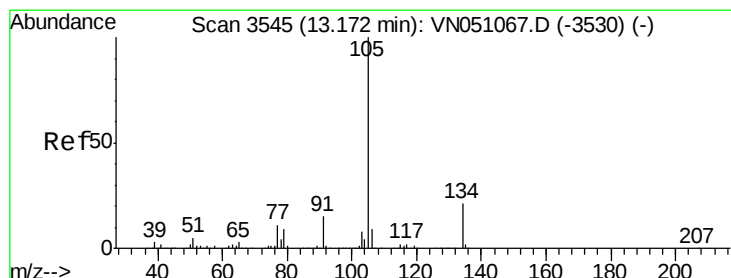
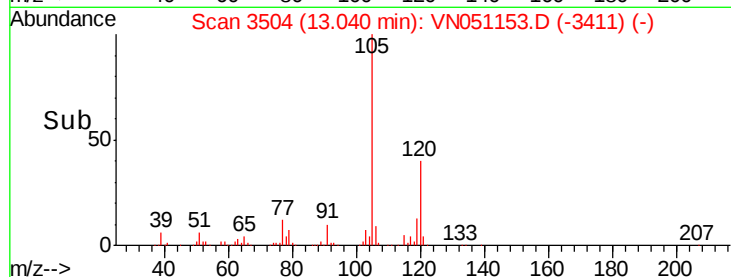
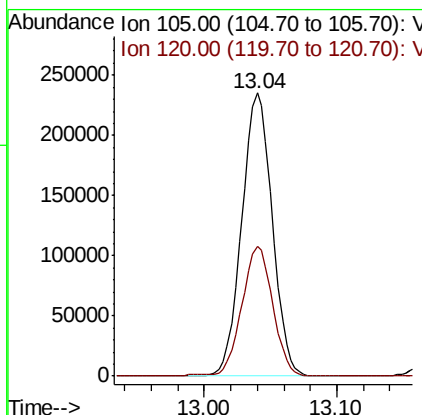
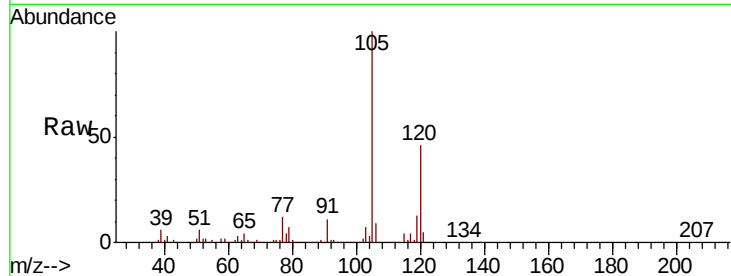




#84
 1,2,4-Trimethylbenzene
 Concen: 17.49 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN051153.D
 Acq: 12 Sep 2018 17:01

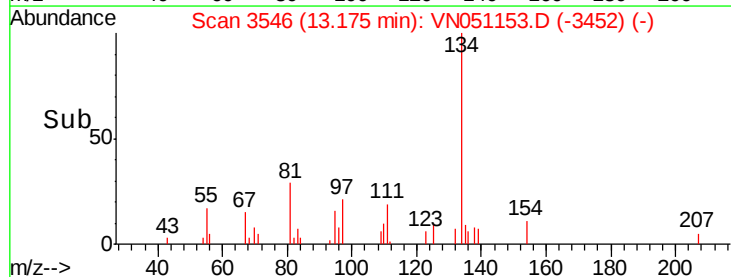
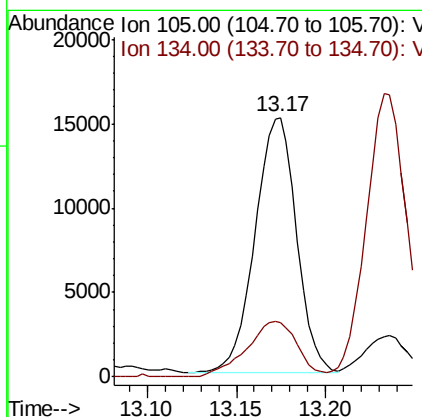
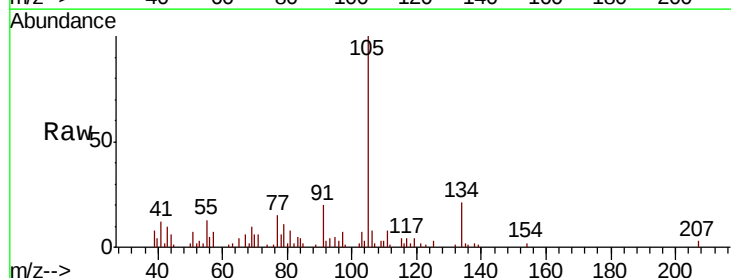
Instrument :
 MSVOA_N
 ClientSampled :
 28570

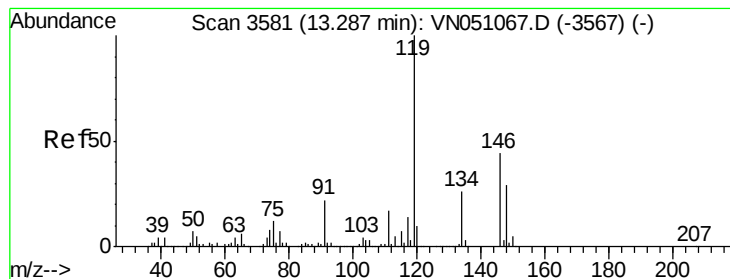
Tot Ion:105 Resp: 373937
 Ion Ratio Lower Upper
 105 100
 120 46.2 23.3 69.8



#85
 sec-Butylbenzene
 Concen: 0.99 ug/l
 RT: 13.17 min Scan# 3546
 Delta R.T. 0.00 min
 Lab File: VN051153.D
 Acq: 12 Sep 2018 17:01

Tgt Ion:105 Resp: 24439
 Ion Ratio Lower Upper
 105 100
 134 26.9 10.4 31.4





#86

p-Isopropyltoluene

Concen: 1.40 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN051153.D

Acq: 12 Sep 2018 17:01

Instrument :

MSVOA_N

ClientSampleId :

28570

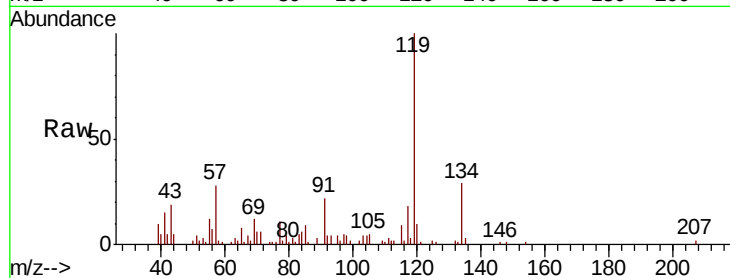
Tot Ion:119 Resp: 29136

Ion Ratio Lower Upper

119 100

134 28.6 13.5 40.4

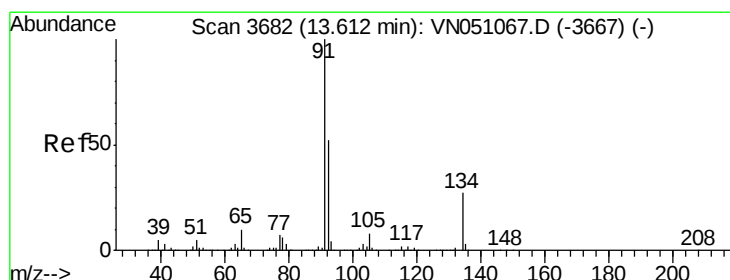
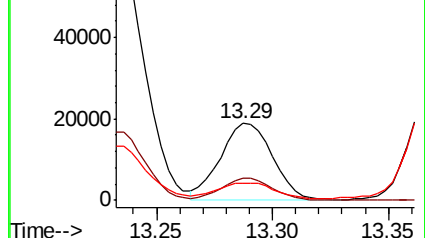
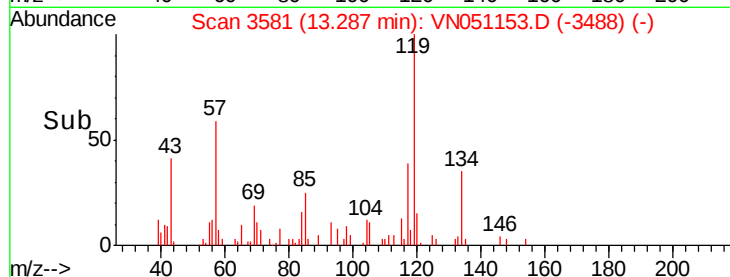
91 21.8 10.9 32.9



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



#89

n-Butylbenzene

Concen: 1.27 ug/l

RT: 13.58 min Scan# 3673

Delta R.T. -0.03 min

Lab File: VN051153.D

Acq: 12 Sep 2018 17:01

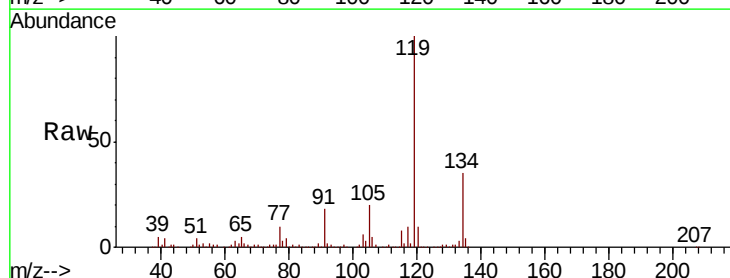
Tgt Ion: 91 Resp: 20678

Ion Ratio Lower Upper

91 100

92 18.8 26.2 78.6#

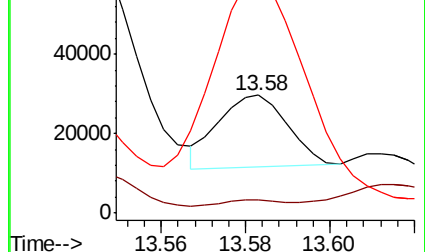
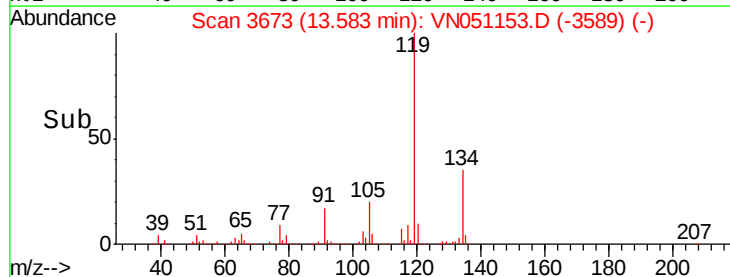
134 477.7 13.7 41.1#

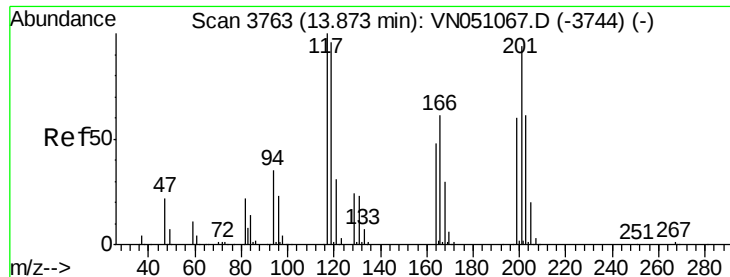


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 6.25 ug/l

RT: 13.89 min Scan# 3768

Delta R.T. 0.02 min

Lab File: VN051153.D

Acq: 12 Sep 2018 17:01

Instrument :

MSVOA_N

ClientSampleId :

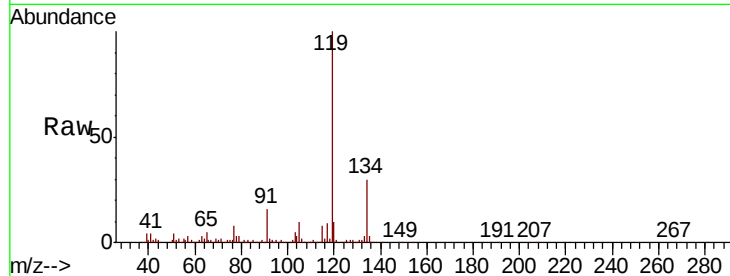
28570

Tot Ion:117 Resp: 25825

Ion Ratio Lower Upper

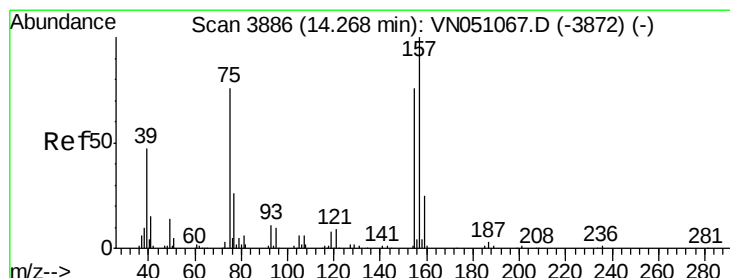
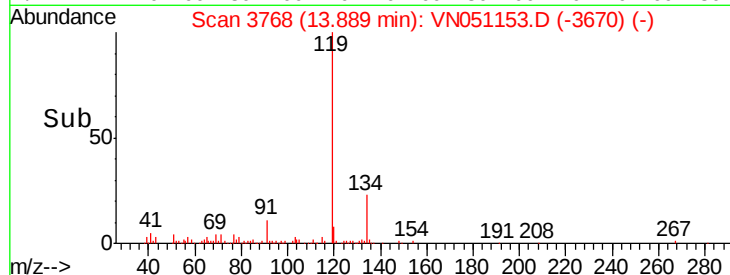
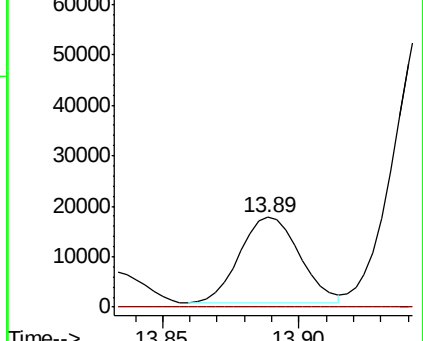
117 100

201 0.0 47.3 142.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.28 ug/l

RT: 14.25 min Scan# 3880

Delta R.T. -0.02 min

Lab File: VN051153.D

Acq: 12 Sep 2018 17:01

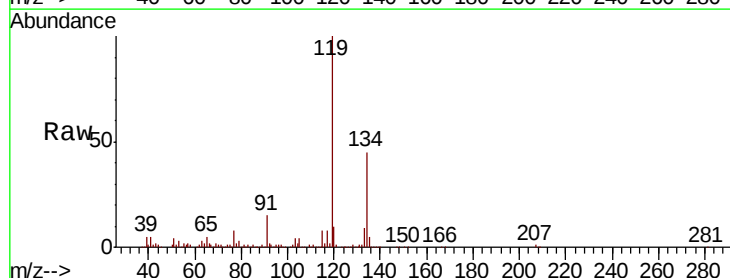
Tgt Ion: 75 Resp: 1508

Ion Ratio Lower Upper

75 100

155 0.0 48.7 146.1#

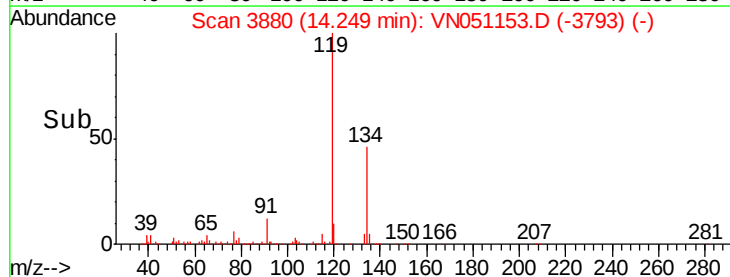
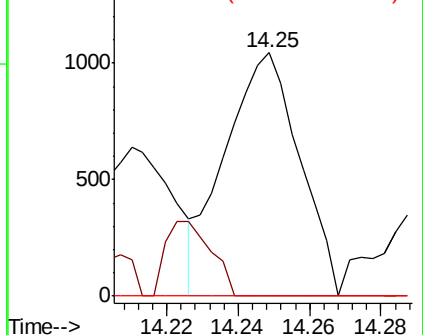
157 0.0 63.6 190.9#

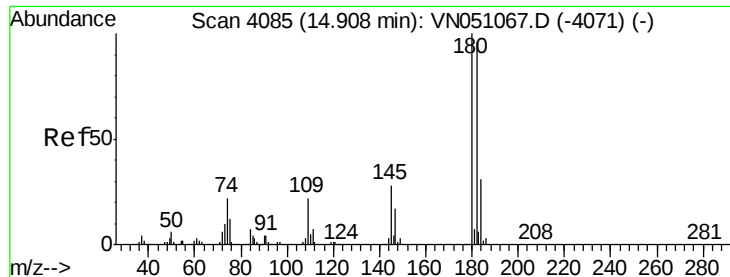


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

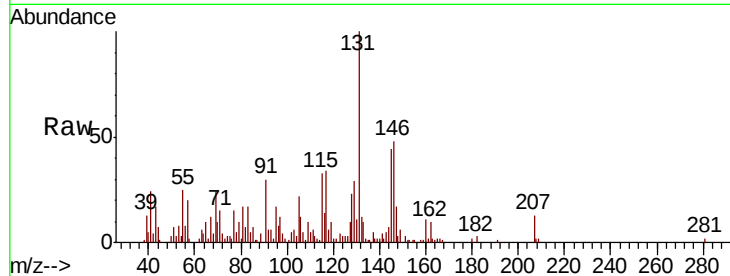




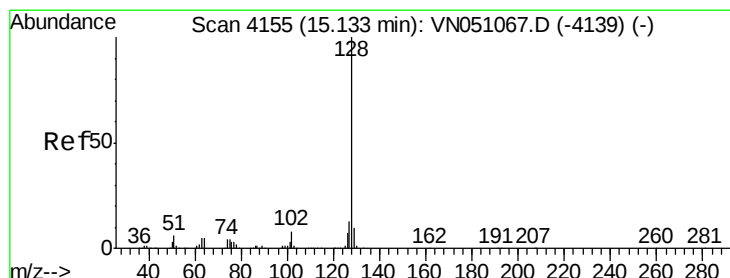
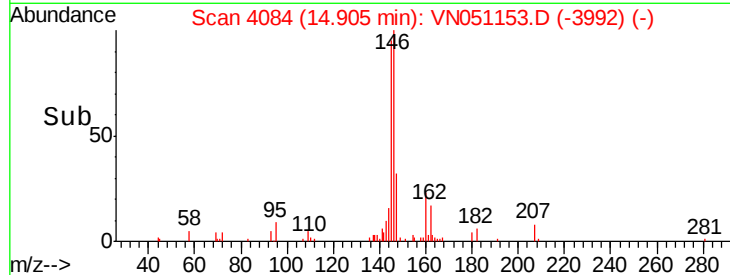
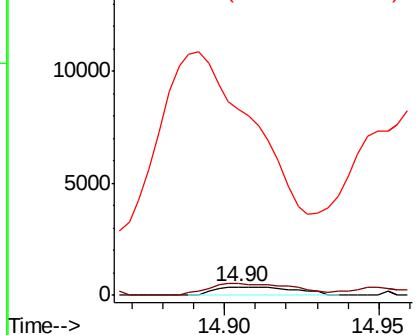
#93
 1,2,4-Trichlorobenzene
 Concen: 4.09 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN051153.D
 Acq: 12 Sep 2018 17:01

Instrument :
 MSVOA_N
 ClientSampled :
 28570

Tot Ion:180 Resp: 669
 Ion Ratio Lower Upper
 180 100
 182 156.5 47.3 141.8#
 145 3305.8 14.2 42.6#

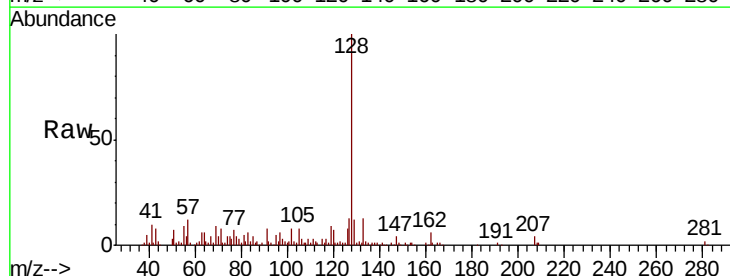


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

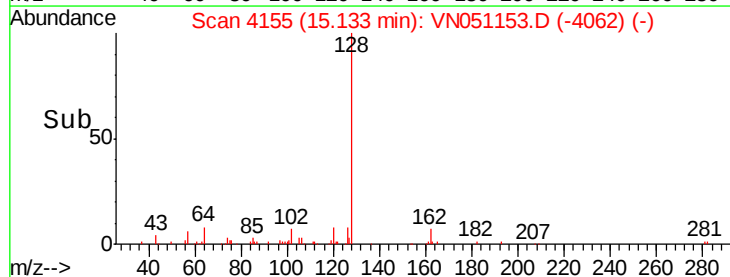
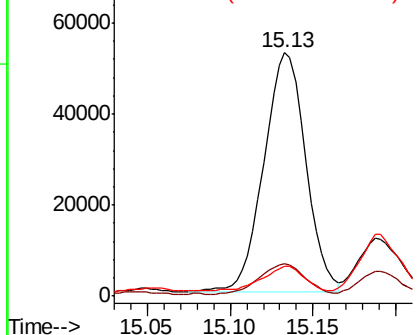


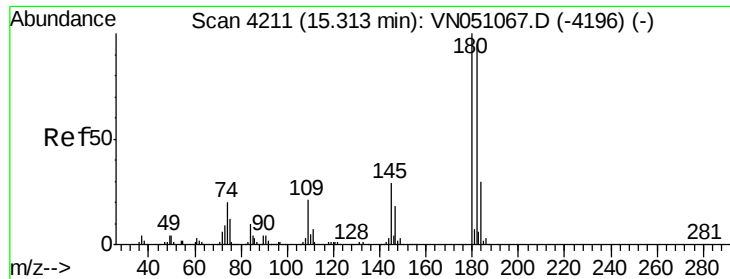
#95
 Naphthalene
 Concen: 12.15 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN051153.D
 Acq: 12 Sep 2018 17:01

Tgt Ion:128 Resp: 91995
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.6 15.8
 129 9.6 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#96

1,2,3-Trichlorobenzene

Concen: 3.13 ug/l

RT: 15.33 min Scan# 4217

Delta R.T. 0.02 min

Lab File: VN051153.D

Acq: 12 Sep 2018 17:01

Instrument :

MSVOA_N

ClientSampleId :

28570

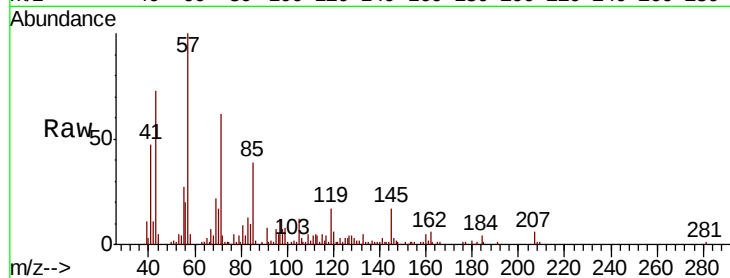
Tot Ion:180 Resp: 1048

Ion Ratio Lower Upper

180 100

182 16.2 47.8 143.3#

145 1641.9 14.6 43.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

