

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022020\
 Data File : VN060173.D
 Acq On : 20 Feb 2020 15:33
 Operator : JC/MD
 Sample : L1610-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 21 02:26:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	207456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	326994	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	300303	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	134158	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	123608	48.97	ug/l	0.00
Spiked Amount			Recovery	=	97.94%	
35) Dibromofluoromethane	7.57	113	96264	47.89	ug/l	0.00
Spiked Amount			Recovery	=	95.78%	
50) Toluene-d8	10.08	98	392481	49.58	ug/l	0.00
Spiked Amount			Recovery	=	99.16%	
62) 4-Bromofluorobenzene	12.40	95	141709	48.72	ug/l	0.00
Spiked Amount			Recovery	=	97.44%	

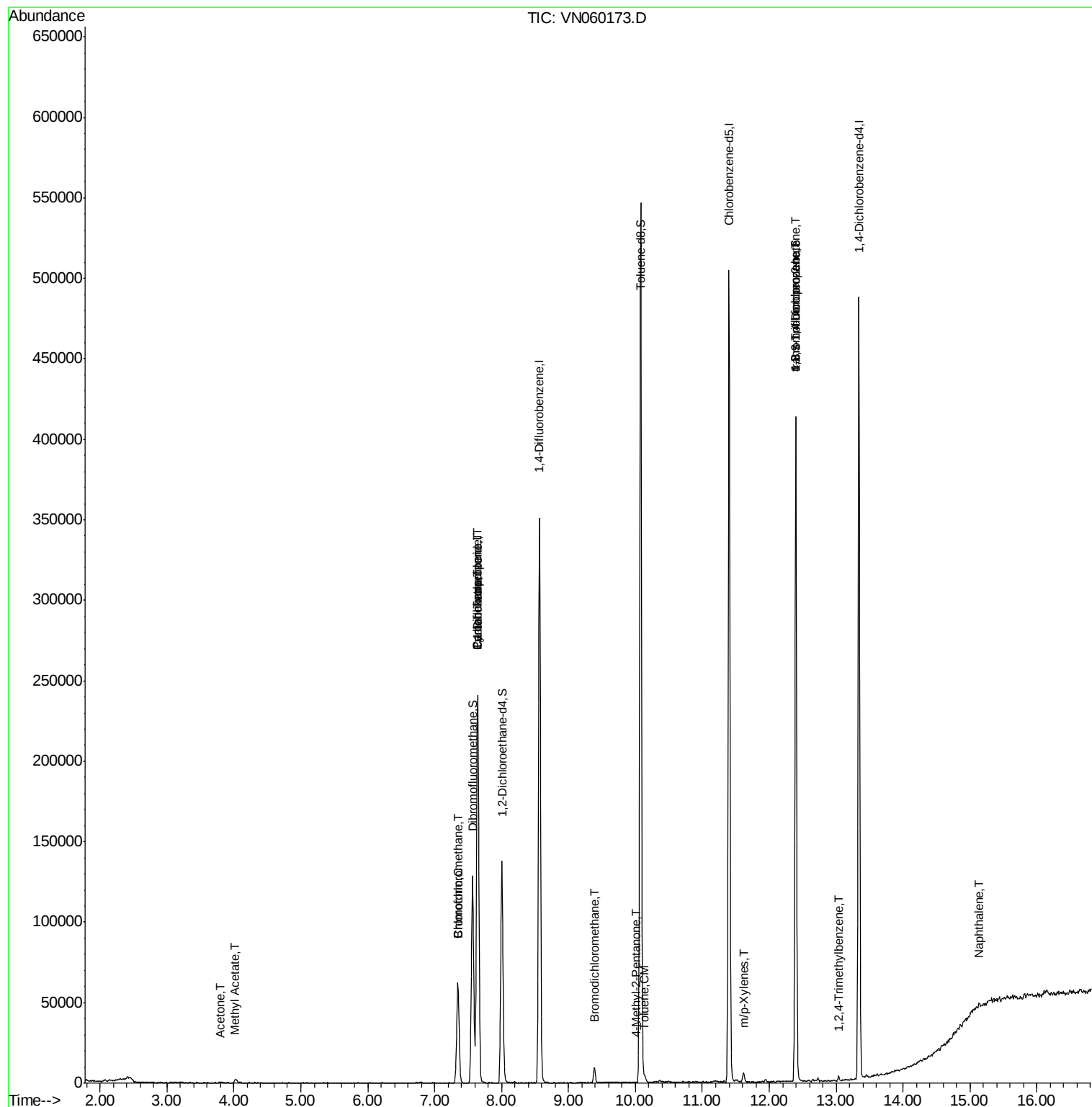
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	836	0.759	ug/l #	43
18) Methyl Acetate	4.02	43	900	0.435	ug/l #	50
28) Bromochloromethane	7.35	49	5542	3.678	ug/l #	9
30) Chloroform	7.35	83	64895	16.163	ug/l	98
31) Cyclohexane	7.64	56	4411	1.235	ug/l #	29
36) 1,1-Dichloropropene	7.64	75	14865	4.908	ug/l #	47
38) Carbon Tetrachloride	7.64	117	19441	5.910	ug/l #	15
47) Bromodichloromethane	9.39	83	7129	2.231	ug/l #	93
51) 4-Methyl-2-Pentanone	10.00	43	640	0.236	ug/l #	35
52) Toluene	10.14	92	1477	0.256	ug/l	92
68) m/p-Xylenes	11.61	106	2018	0.487	ug/l	96
76) 1,2,3-Trichloropropane	12.40	75	72641	28.301	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	72641	69.295	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.04	105	2287	0.278	ug/l	94
92) 1,2-Dibromo-3-Chloropropan	14.27	75	174	Below Cal	#	1
95) Naphthalene	15.14	128	2714	0.397	ug/l #	85

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

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN060173.D

Acq: 20 Feb 2020 15:33

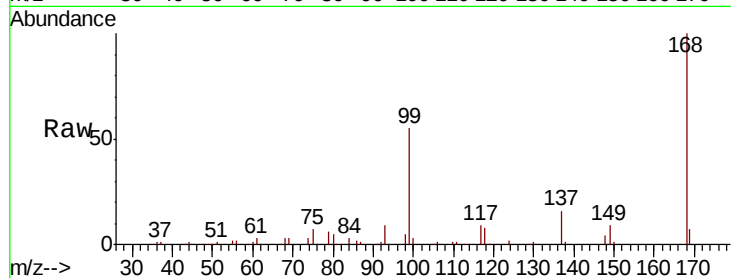
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MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 207456

Ion Ratio Lower Upper

168 100

99 55.0 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

80000

60000

40000

20000

0

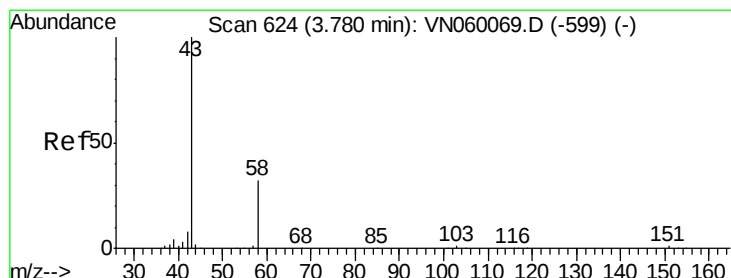
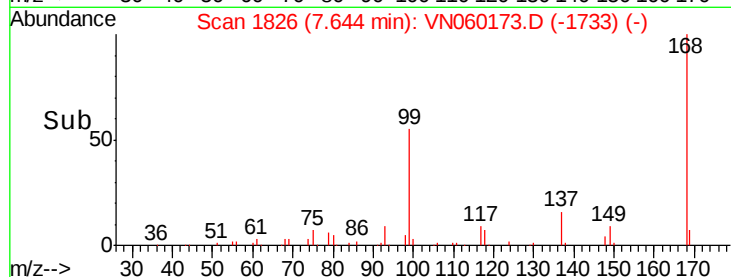
Time-->

7.50

7.60

7.70

7.80



#16

Acetone

Concen: 0.759 ug/l

RT: 3.79 min Scan# 627

Delta R.T. 0.01 min

Lab File: VN060173.D

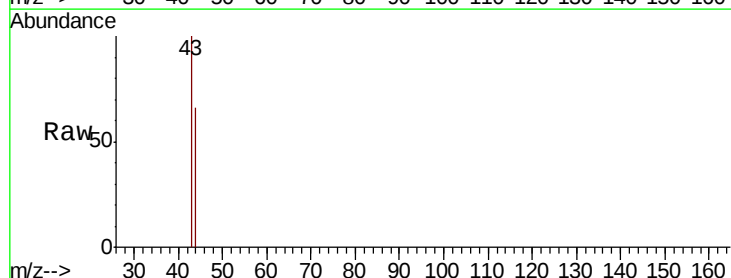
Acq: 20 Feb 2020 15:33

Tgt Ion: 43 Resp: 836

Ion Ratio Lower Upper

43 100

58 0.0 25.2 37.8#



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.79

400

300

200

100

0

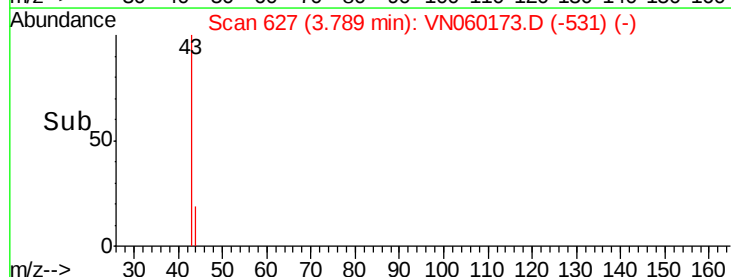
Time-->

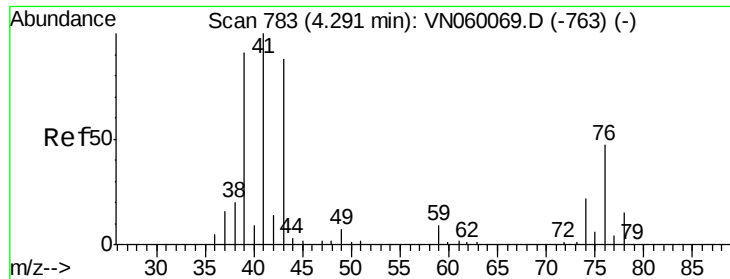
3.76

3.78

3.80

3.82

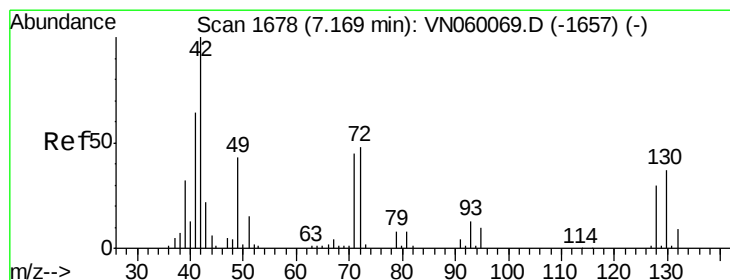
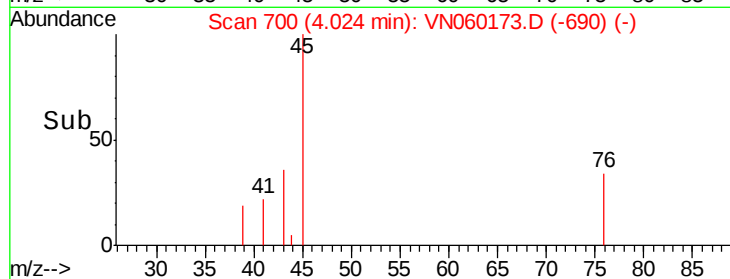
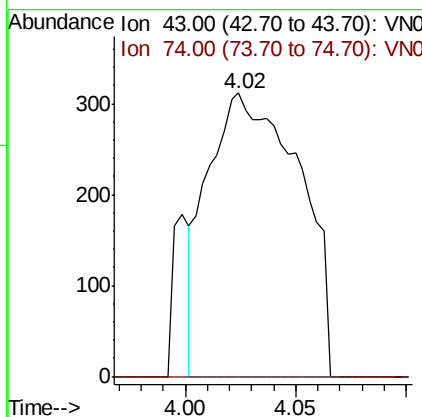
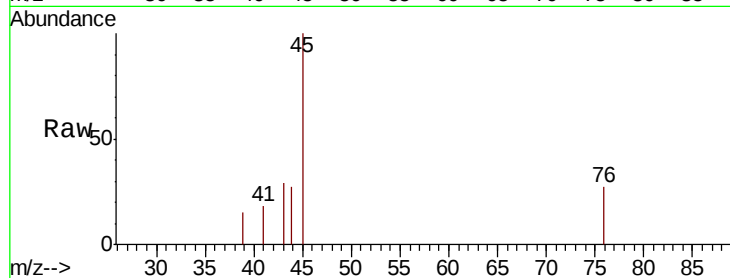




#18
Methyl Acetate
Concen: 0.435 ug/l
RT: 4.02 min Scan# 700
Delta R.T. -0.27 min
Lab File: VN060173.D
Acq: 20 Feb 2020 15:33

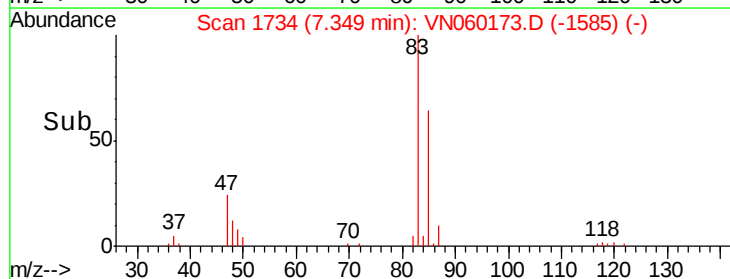
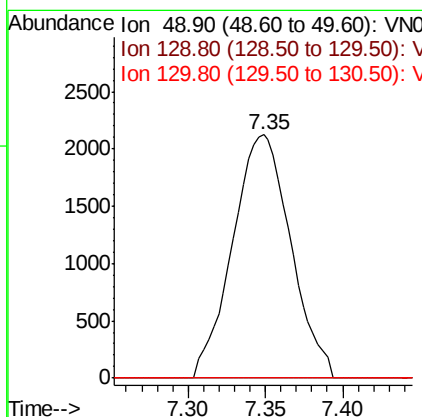
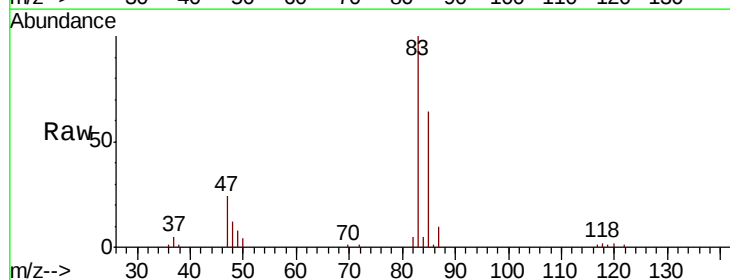
Instrument :
MSVOA_N
ClientSampled :

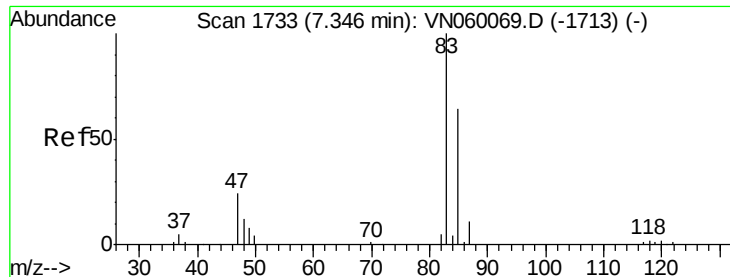
Tot Ion: 43 Resp: 900
Ion Ratio Lower Upper
43 100
74 0.0 20.3 30.5#



#28
Bromochloromethane
Concen: 3.678 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.18 min
Lab File: VN060173.D
Acq: 20 Feb 2020 15:33

Tgt Ion: 49 Resp: 5542
Ion Ratio Lower Upper
49 100
129 0.0 0.0 2.2
130 0.0 66.8 100.2#

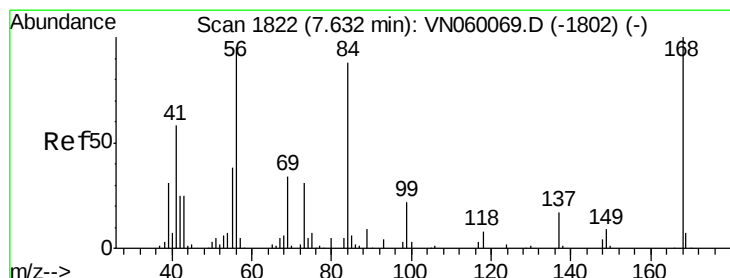
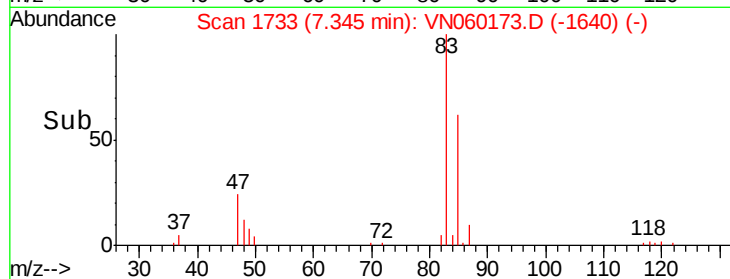
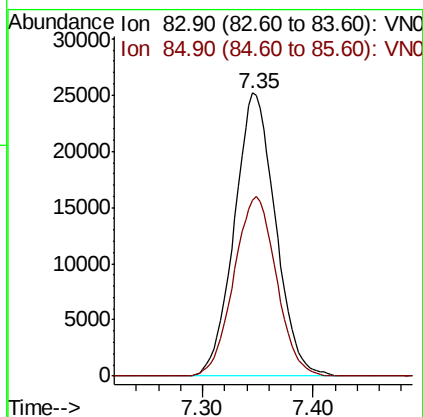
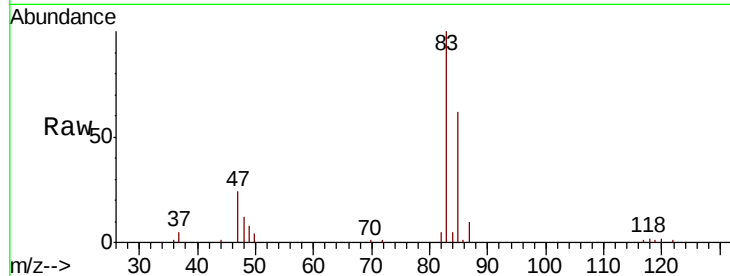




#30
Chloroform
Concen: 16.163 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN060173.D
Acq: 20 Feb 2020 15:33

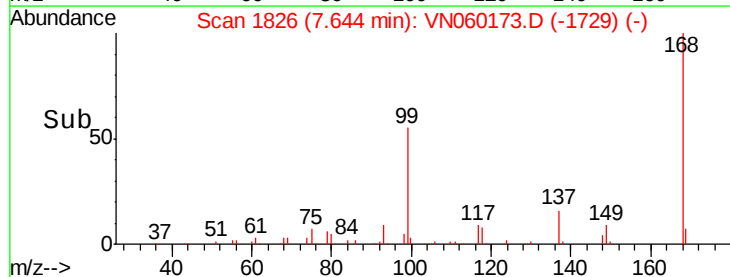
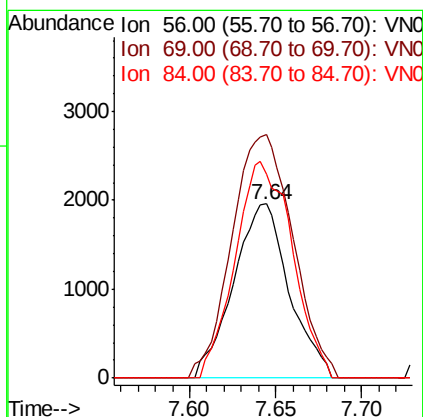
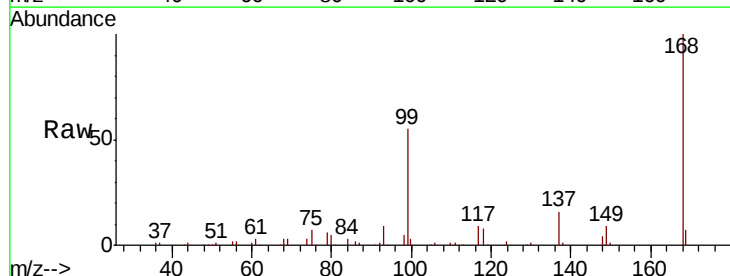
Instrument :
MSVOA_N
ClientSampled :

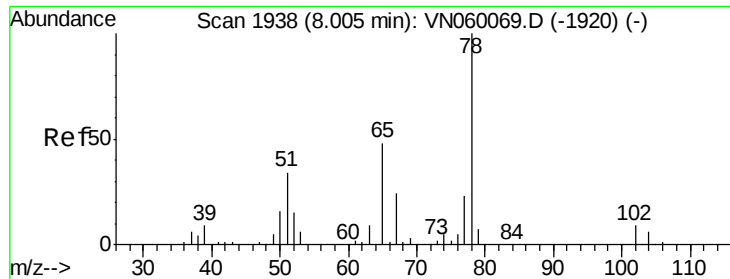
Tot Ion: 83 Resp: 64895
Ion Ratio Lower Upper
83 100
85 62.3 51.4 77.0



#31
Cyclohexane
Concen: 1.235 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN060173.D
Acq: 20 Feb 2020 15:33

Tgt Ion: 56 Resp: 4411
Ion Ratio Lower Upper
56 100
69 139.9 28.3 42.5#
84 117.5 72.6 108.8#

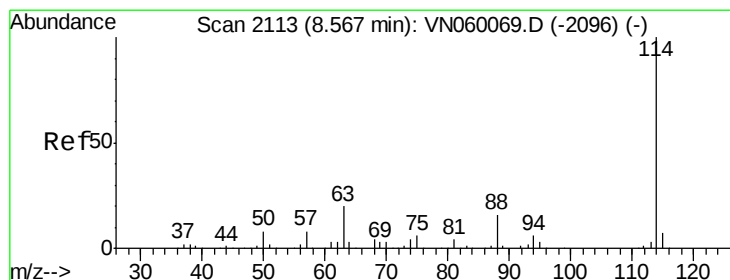
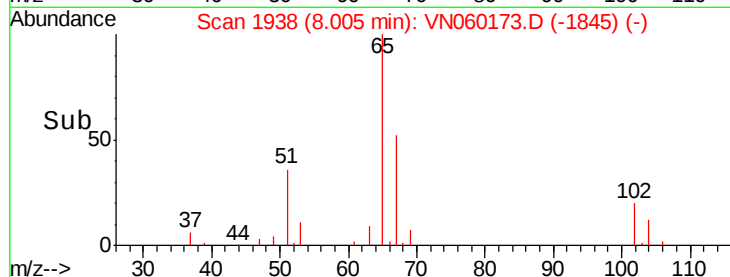
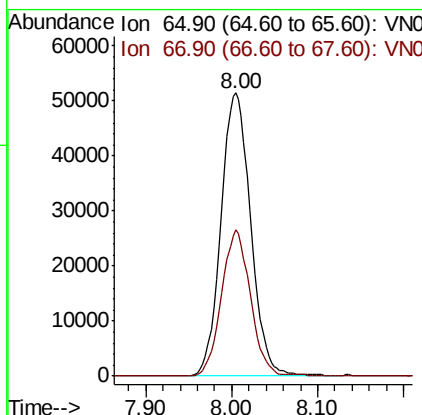
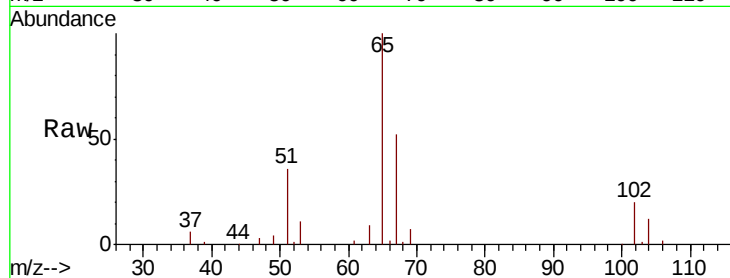




#33
 1,2-Dichloroethane-d4
 Concen: 48.966 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. -0.00 min
 Lab File: VN060173.D
 Acq: 20 Feb 2020 15:33

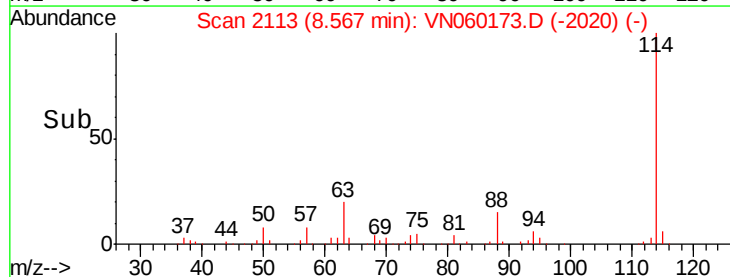
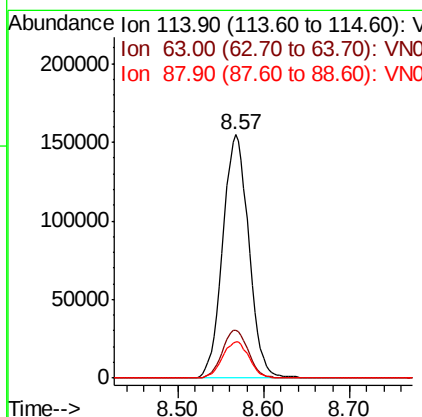
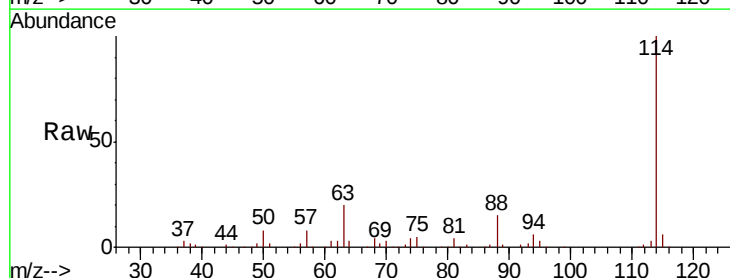
Instrument :
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 ClientSampleId :

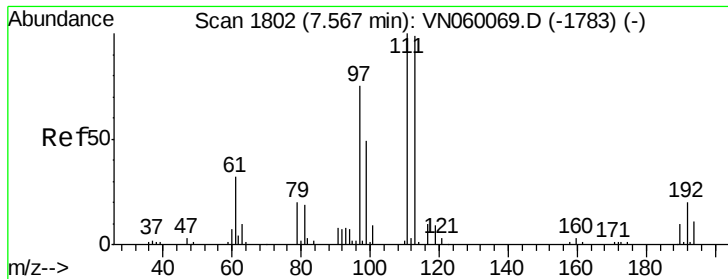
Tot Ion: 65 Resp: 123608
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN060173.D
 Acq: 20 Feb 2020 15:33

Tgt Ion: 114 Resp: 326994
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.0
 88 15.1 0.0 31.6

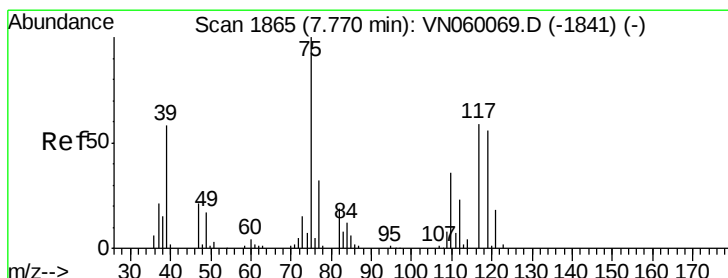
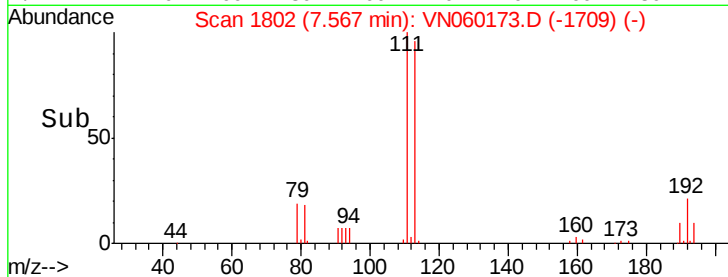
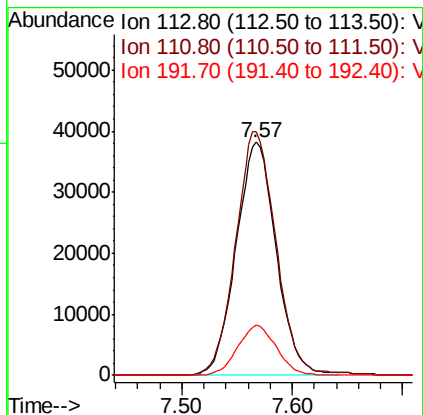
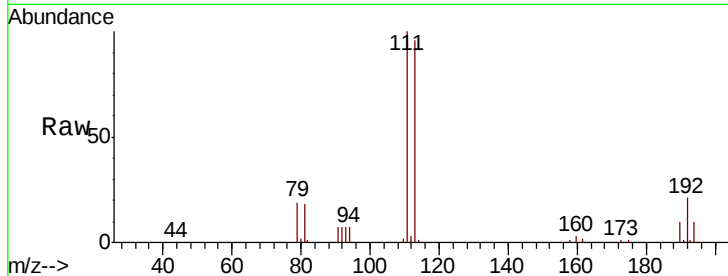




#35
 Dibromofluoromethane
 Concen: 47.892 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN060173.D
 Acq: 20 Feb 2020 15:33

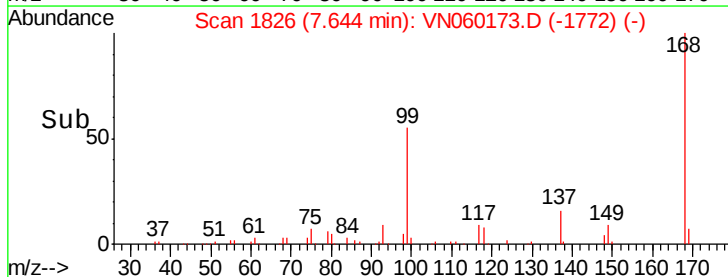
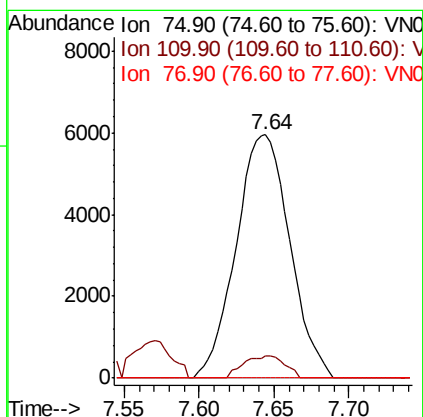
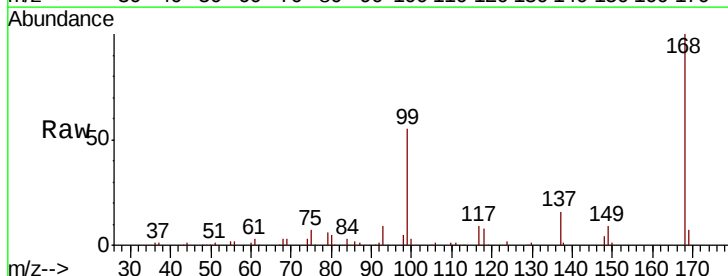
Instrument :
 MSVOA_N
 ClientSampled :

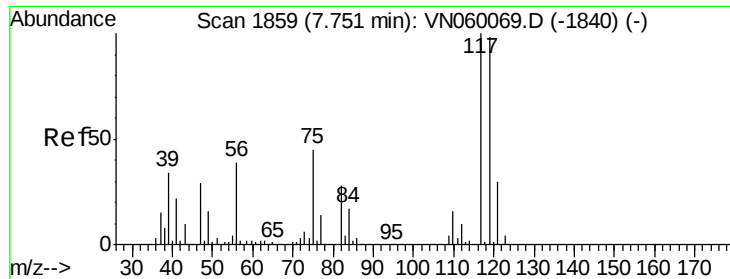
Tot Ion:113 Resp: 96264
 Ion Ratio Lower Upper
 113 100
 111 105.3 81.4 122.2
 192 20.7 16.2 24.2



#36
 1,1-Dichloropropene
 Concen: 4.908 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN060173.D
 Acq: 20 Feb 2020 15:33

Tgt Ion: 75 Resp: 14865
 Ion Ratio Lower Upper
 75 100
 110 7.1 18.1 54.3#
 77 0.0 25.1 37.7#

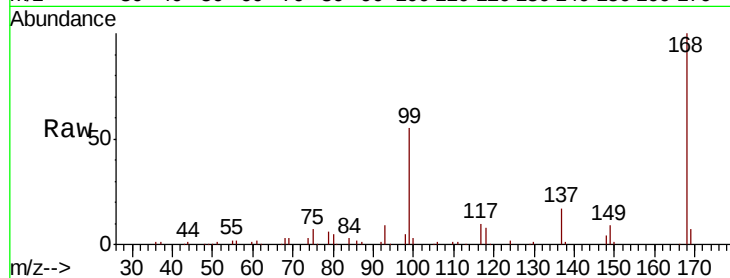




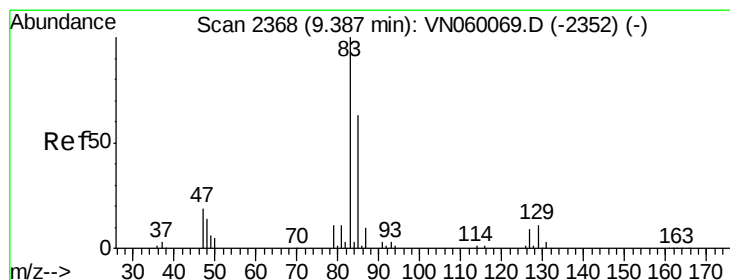
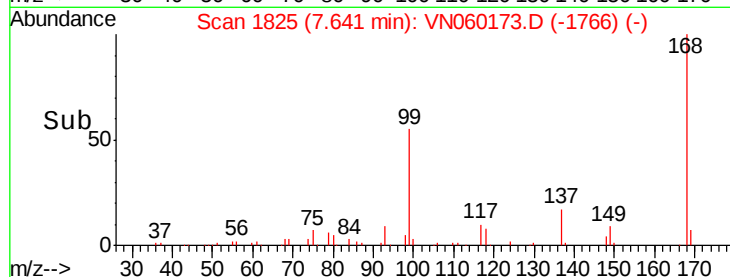
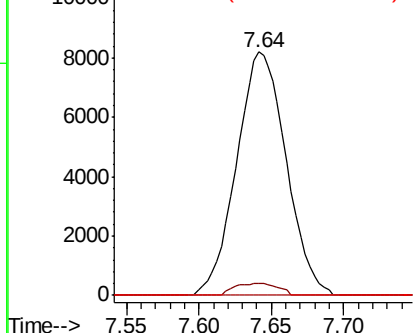
#38
Carbon Tetrachloride
Concen: 5.910 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. -0.11 min
Lab File: VN060173.D
Acq: 20 Feb 2020 15:33

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 19441
Ion Ratio Lower Upper
117 100
119 4.9 78.2 117.4#
121 0.0 24.2 36.2#

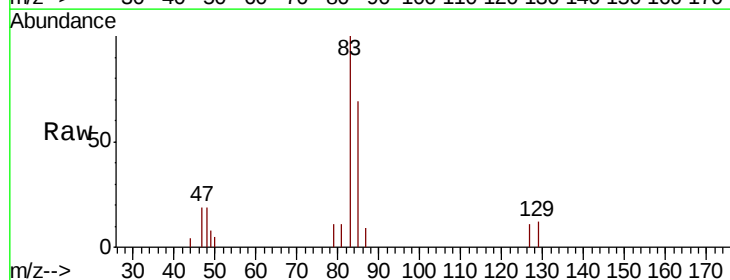


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

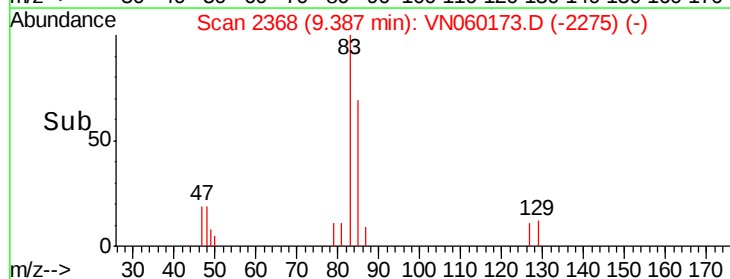
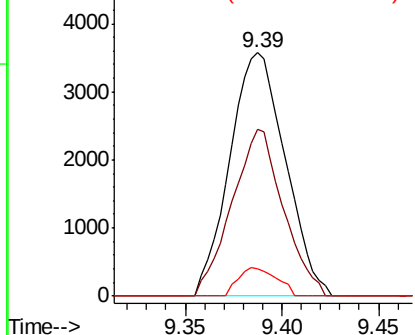


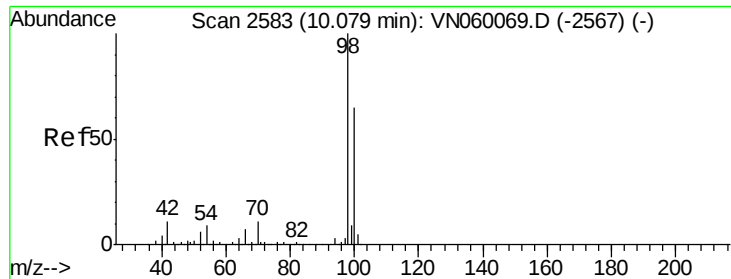
#47
Bromodichloromethane
Concen: 2.231 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN060173.D
Acq: 20 Feb 2020 15:33

Tgt Ion: 83 Resp: 7129
Ion Ratio Lower Upper
83 100
85 68.8 50.6 75.8
127 11.3 7.0 10.6#



Abundance Ion 82.90 (82.60 to 83.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 126.80 (126.50 to 127.50): V





#50

Toluene-d8

Concen: 49.584 ug/l

RT: 10.08 min Scan# 2583

Delta R.T. -0.00 min

Lab File: VN060173.D

Acq: 20 Feb 2020 15:33

Instrument :

MSVOA_N

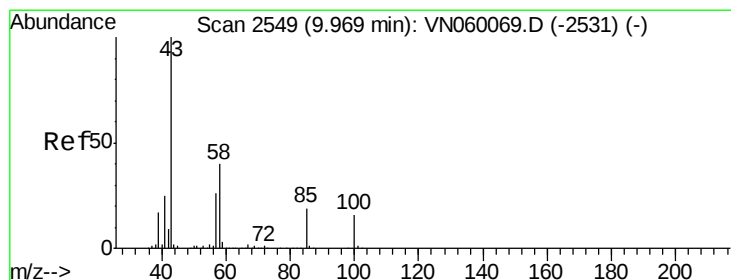
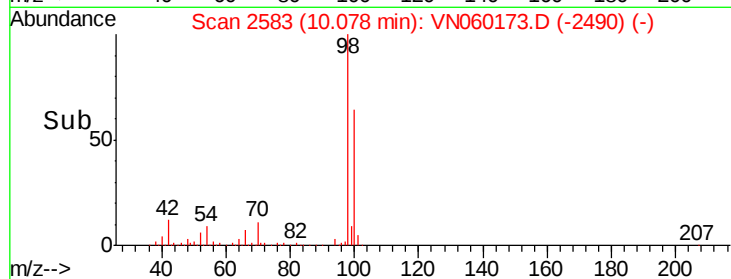
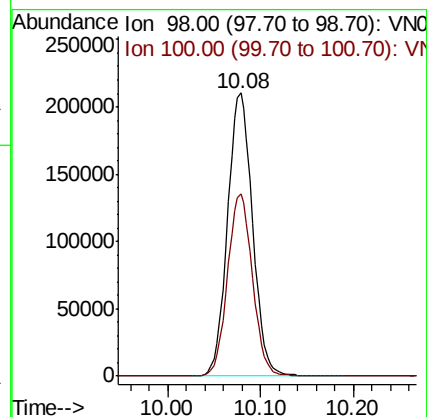
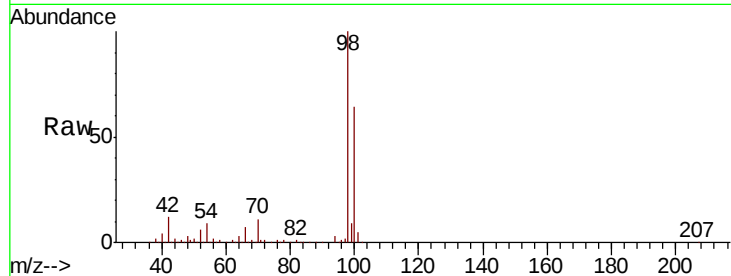
ClientSampleId :

Tot Ion: 98 Resp: 392481

Ion Ratio Lower Upper

98 100

100 64.3 51.7 77.5



#51

4-Methyl-2-Pentanone

Concen: 0.236 ug/l

RT: 10.00 min Scan# 2559

Delta R.T. 0.03 min

Lab File: VN060173.D

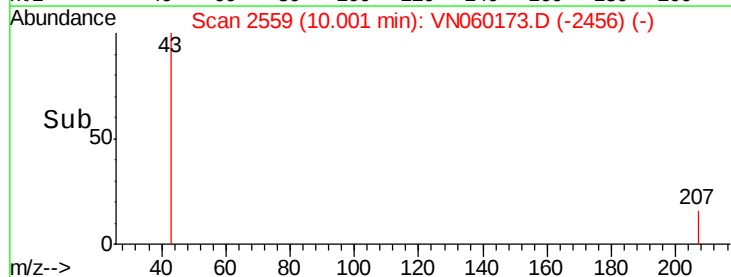
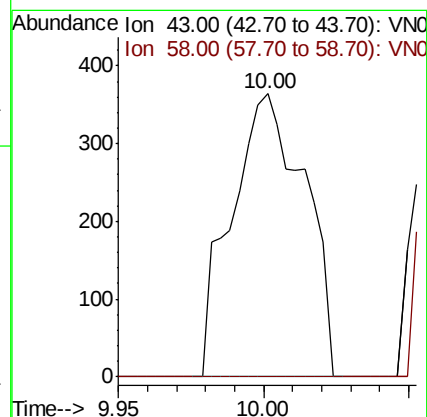
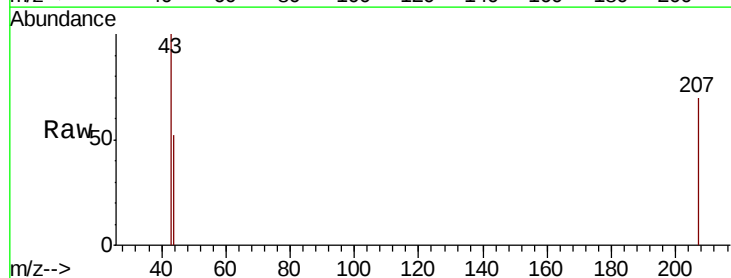
Acq: 20 Feb 2020 15:33

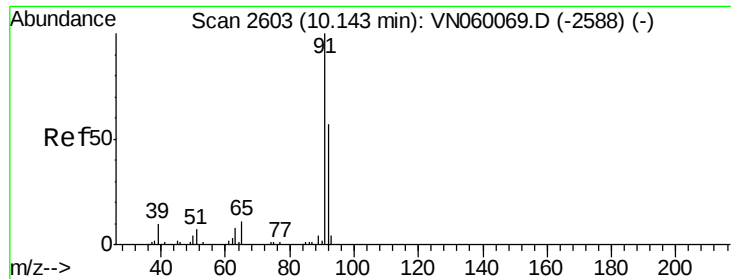
Tgt Ion: 43 Resp: 640

Ion Ratio Lower Upper

43 100

58 0.0 31.8 47.8#





#52

Toluene

Concen: 0.256 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060173.D

Acq: 20 Feb 2020 15:33

Instrument :

MSVOA_N

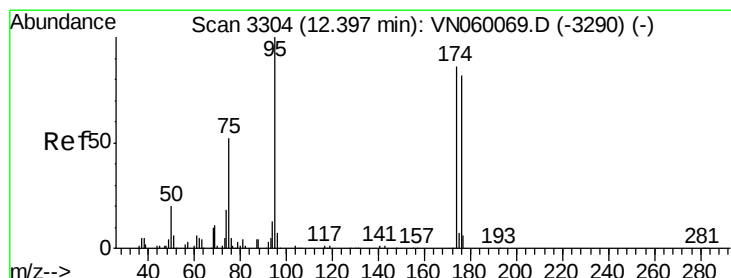
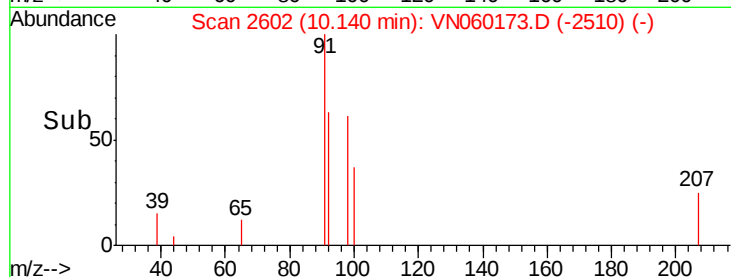
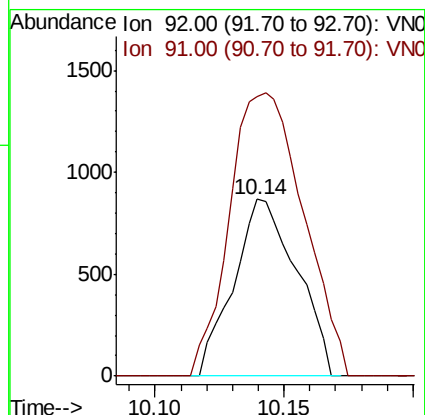
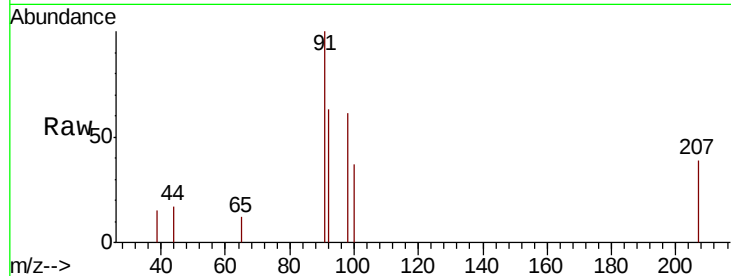
ClientSampleId :

Tot Ion: 92 Resp: 1477

Ion Ratio Lower Upper

92 100

91 187.7 140.9 211.3



#62

4-Bromofluorobenzene

Concen: 48.722 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN060173.D

Acq: 20 Feb 2020 15:33

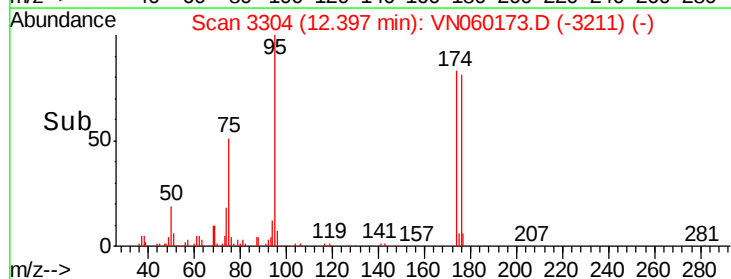
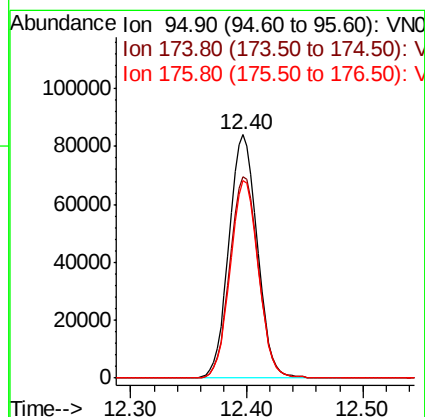
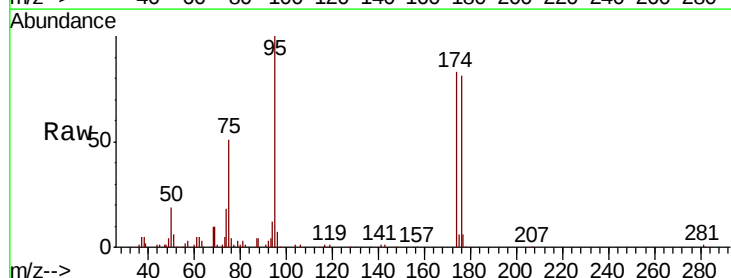
Tgt Ion: 95 Resp: 141709

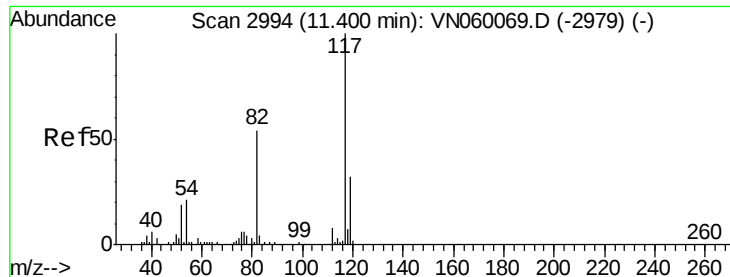
Ion Ratio Lower Upper

95 100

174 83.5 0.0 169.8

176 80.6 0.0 164.8

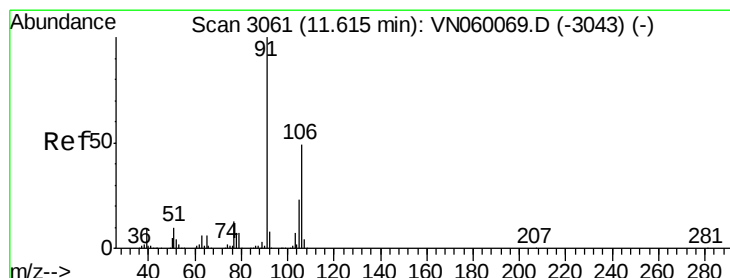
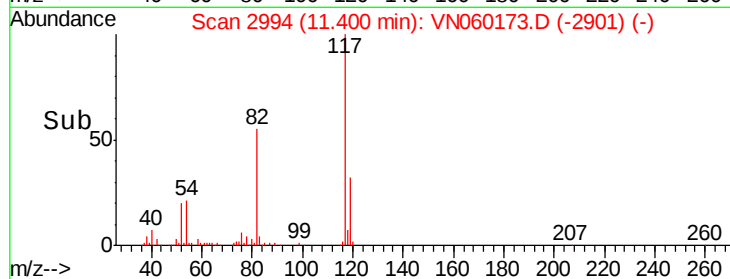
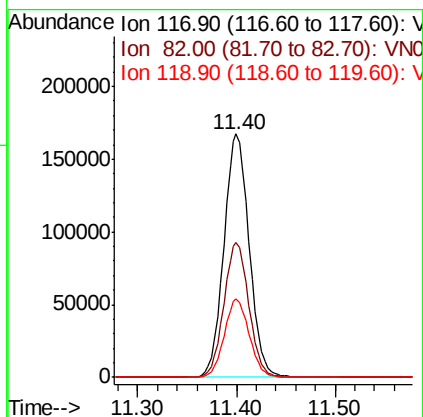
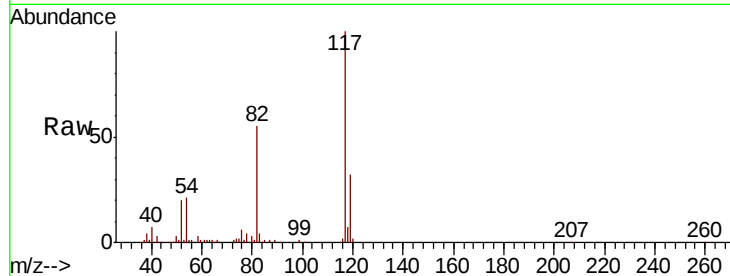




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN060173.D
Acq: 20 Feb 2020 15:33

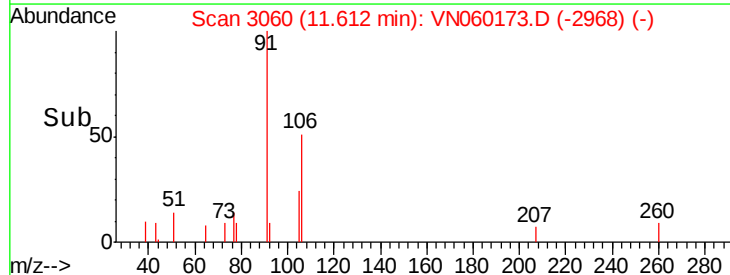
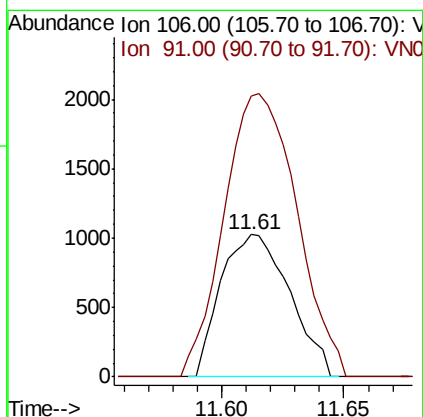
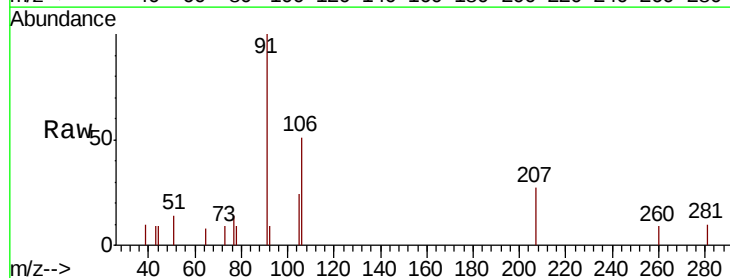
Instrument :
MSVOA_N
ClientSampleId :

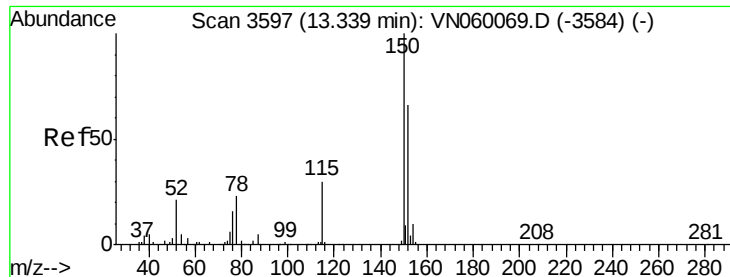
Tot Ion:117 Resp: 300303
Ion Ratio Lower Upper
117 100
82 55.5 43.4 65.0
119 32.2 25.8 38.6



#68
m/p-Xylenes
Concen: 0.487 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.00 min
Lab File: VN060173.D
Acq: 20 Feb 2020 15:33

Tgt Ion:106 Resp: 2018
Ion Ratio Lower Upper
106 100
91 209.5 162.7 244.1



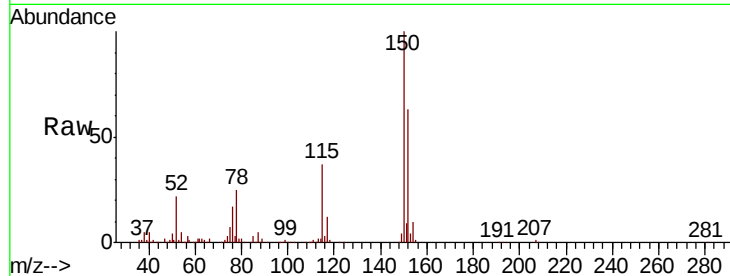


#72

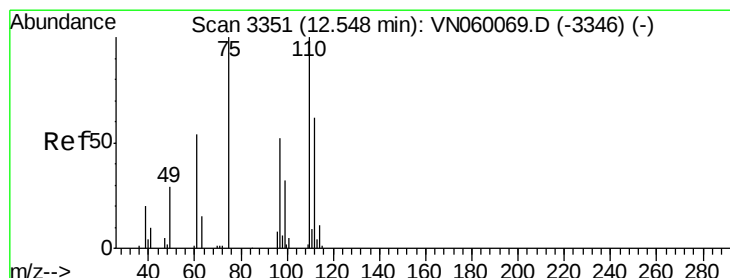
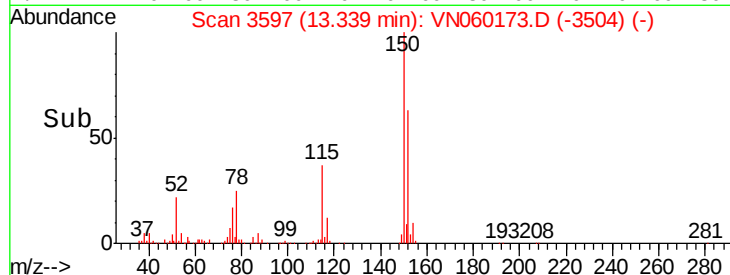
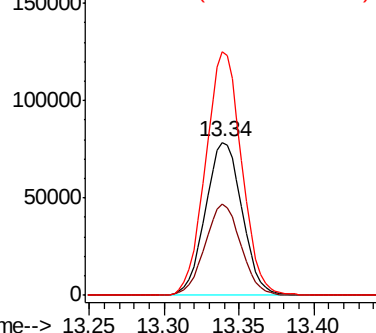
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. -0.00 min
Lab File: VN060173.D
Acq: 20 Feb 2020 15:33

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.9	86.8
150	157.0	0.0	342.4



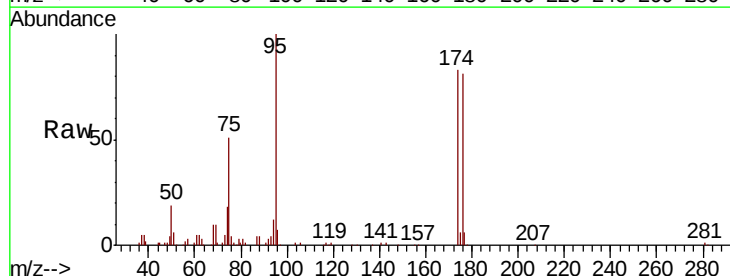
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



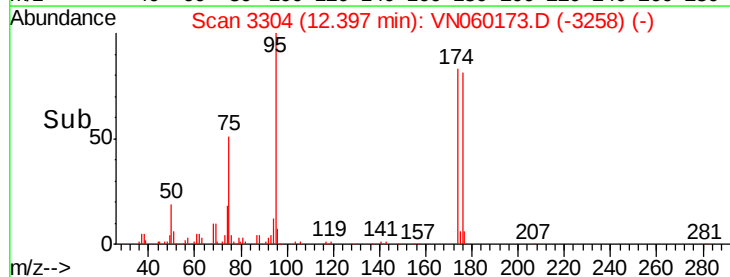
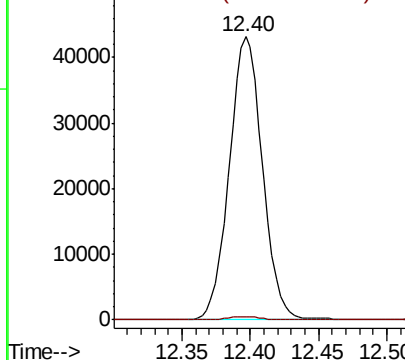
#76

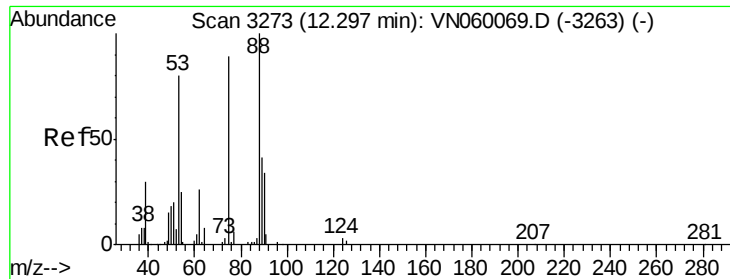
1,2,3-Trichloropropane
Concen: 28.301 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.15 min
Lab File: VN060173.D
Acq: 20 Feb 2020 15:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.0	0.0	0.0#



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





#81

trans-1,4-Dichloro-2-butene

Concen: 69.295 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN060173.D

Acq: 20 Feb 2020 15:33

Instrument :

MSVOA_N

ClientSampled :

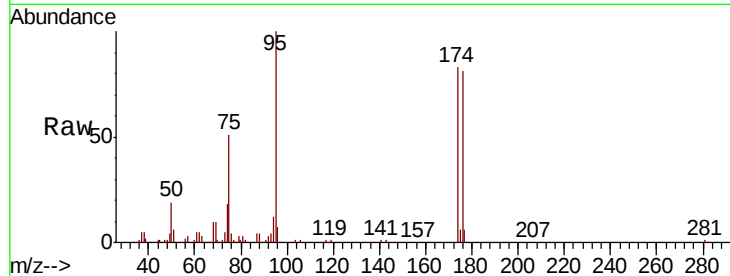
Tot Ion: 75 Resp: 72641

Ion Ratio Lower Upper

75 100

53 0.0 73.9 110.9#

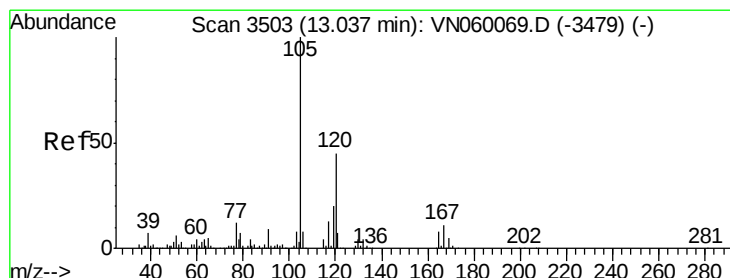
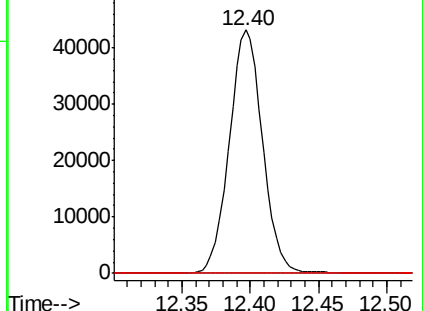
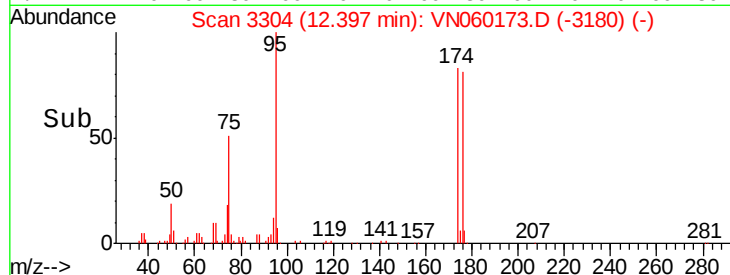
89 0.0 37.0 55.4#



Abundance Ion 74.90 (74.60 to 75.60): VN060173.D (-3180) (-)

Ion 53.00 (52.70 to 53.70): VN060173.D (-3180) (-)

Ion 88.90 (88.60 to 89.60): VN060173.D (-3180) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.278 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN060173.D

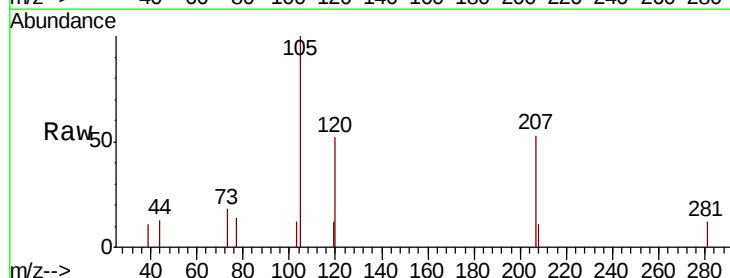
Acq: 20 Feb 2020 15:33

Tgt Ion: 105 Resp: 2287

Ion Ratio Lower Upper

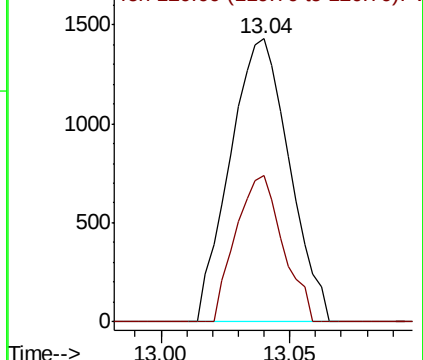
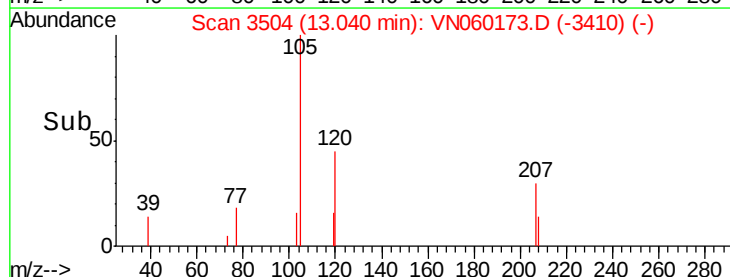
105 100

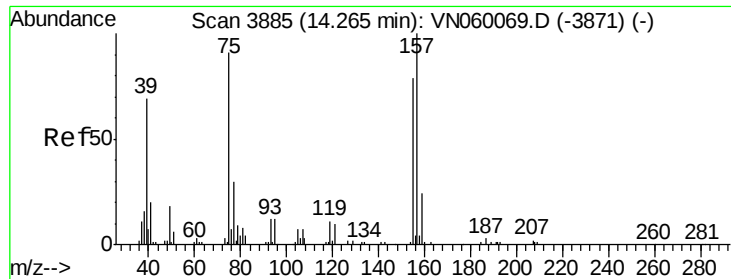
120 41.0 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): VN060173.D (-3410) (-)

Ion 120.00 (119.70 to 120.70): VN060173.D (-3410) (-)





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN060173.D

Acq: 20 Feb 2020 15:33

Instrument :

MSVOA_N

ClientSampled :

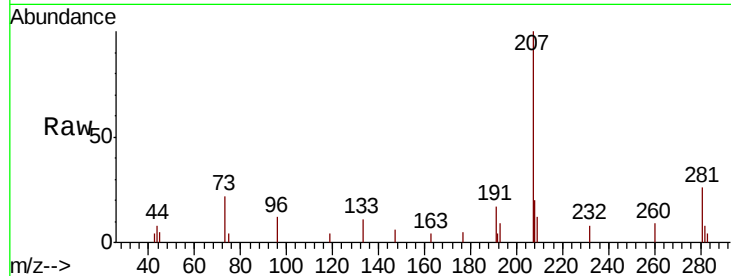
Tot Ion: 75 Resp: 174

Ion Ratio Lower Upper

75 100

155 0.0 43.0 129.0#

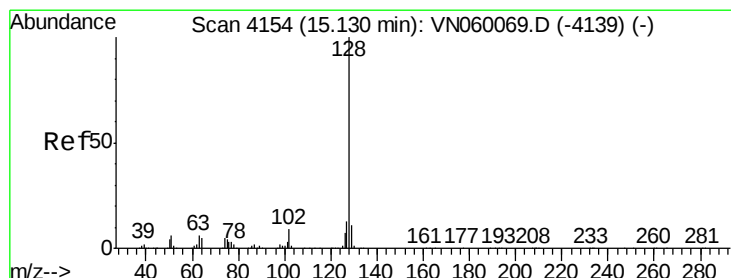
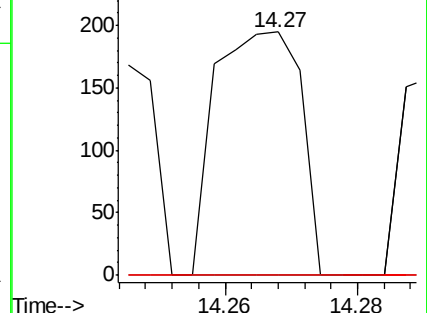
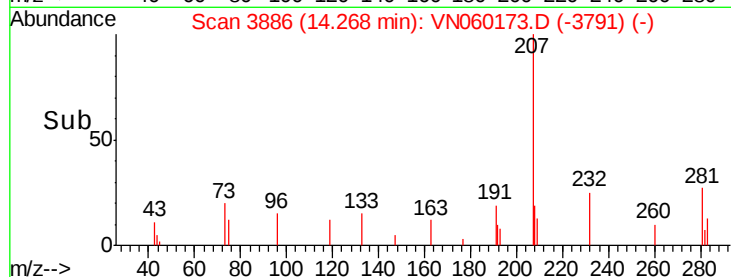
157 0.0 54.9 164.5#



Abundance Ion 74.90 (74.60 to 75.60): VN060173.D (-3791) (-)

Ion 154.80 (154.50 to 155.50): VN060173.D (-3791) (-)

Ion 156.80 (156.50 to 157.50): VN060173.D (-3791) (-)



#95

Naphthalene

Concen: 0.397 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.01 min

Lab File: VN060173.D

Acq: 20 Feb 2020 15:33

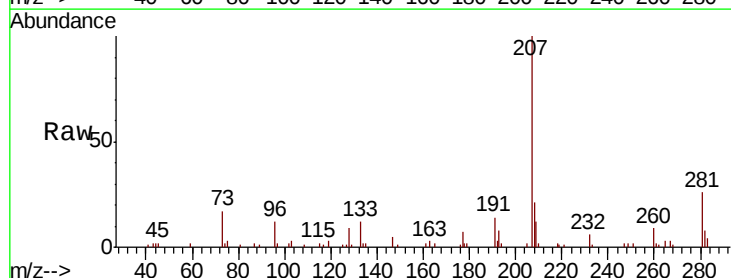
Tgt Ion: 128 Resp: 2714

Ion Ratio Lower Upper

128 100

127 6.9 10.3 15.5#

129 4.9 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): VN060173.D (-4061) (-)

Ion 127.00 (126.70 to 127.70): VN060173.D (-4061) (-)

Ion 129.00 (128.70 to 129.70): VN060173.D (-4061) (-)

