

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060520\
 Data File : VN061667.D
 Acq On : 5 Jun 2020 14:20
 Operator : JC/MD
 Sample : L2904-08
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VE-2-1

Quant Time: Jun 06 03:21:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	328885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	562297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	556448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	283693	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	181904	46.42	ug/l	0.00
Spiked Amount 50.000			Recovery =	92.84%		
35) Dibromofluoromethane	7.55	113	159456	55.90	ug/l	0.00
Spiked Amount 50.000			Recovery =	111.80%		
50) Toluene-d8	10.06	98	671082	50.77	ug/l	0.00
Spiked Amount 50.000			Recovery =	101.54%		
62) 4-Bromofluorobenzene	12.38	95	257079	53.31	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.62%		

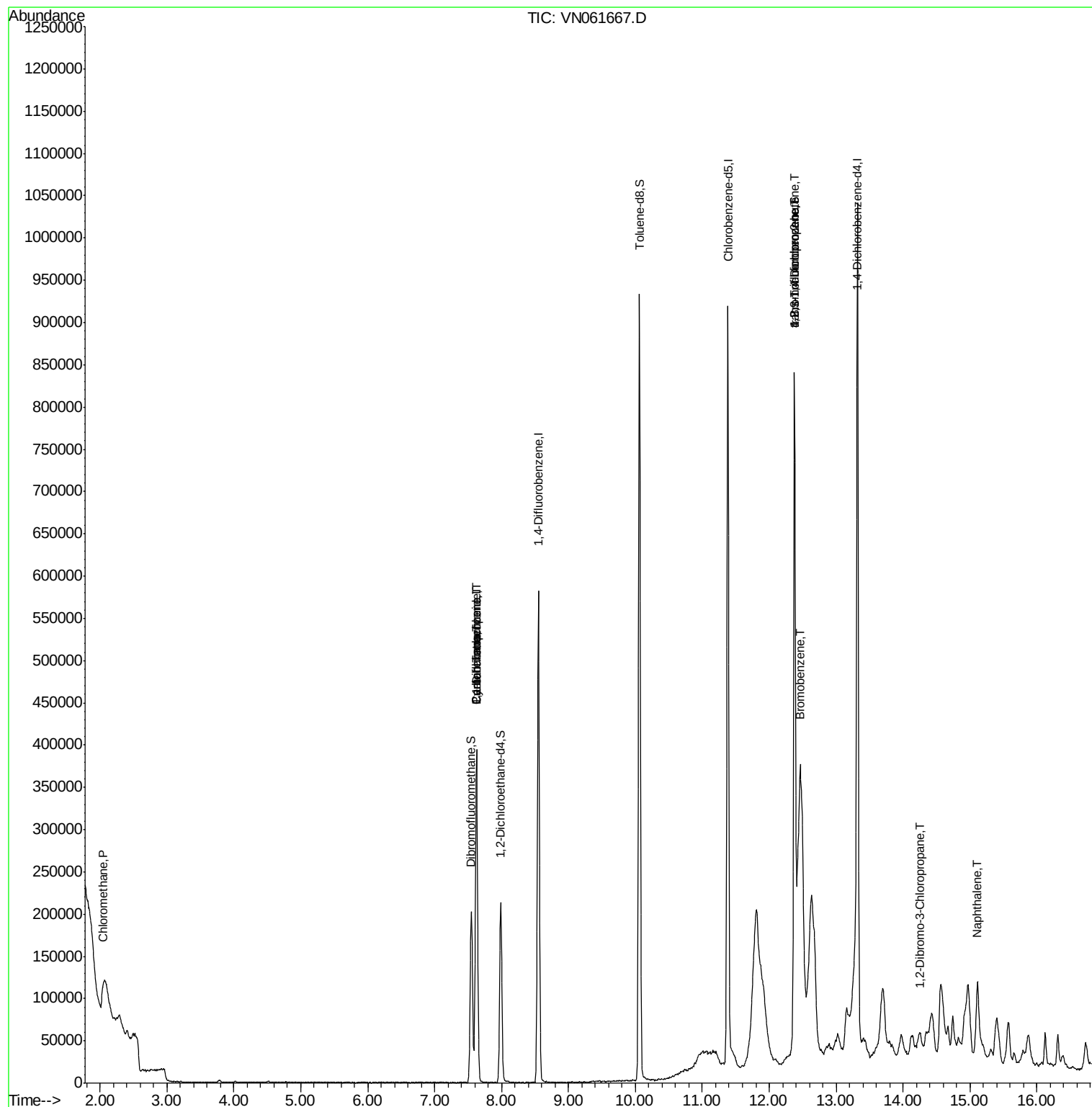
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.03	50	1468	0.37	ug/l	94
16) Acetone	3.77	43	1876	Below Cal		95
20) Methylene Chloride	4.50	84	572	Below Cal	#	50
31) Cyclohexane	7.62	56	5982	1.08	ug/l #	8
36) 1,1-Dichloropropene	7.63	75	23150	4.65	ug/l #	48
38) Carbon Tetrachloride	7.63	117	31025	6.46	ug/l #	16
76) 1,2,3-Trichloropropane	12.38	75	130775	25.35	ug/l #	100
77) Bromobenzene	12.46	156	555357	105.08	ug/l #	1
81) trans-1,4-Dichloro-2-buten	12.38	75	130775	64.83	ug/l #	15
92) 1,2-Dibromo-3-Chloropropan	14.26	75	678	0.57	ug/l #	5
95) Naphthalene	15.12	128	10300	0.65	ug/l #	75

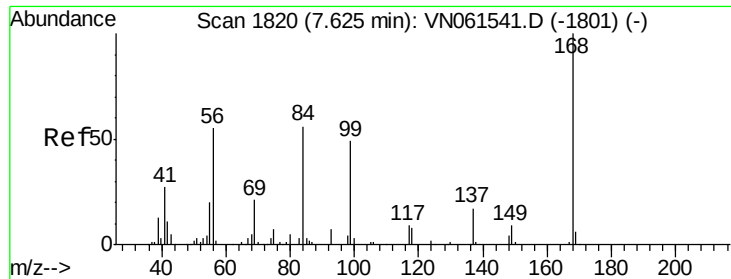
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061667.D

Acq: 5 Jun 2020 14:20

Instrument :

MSVOA_N

ClientSampled :

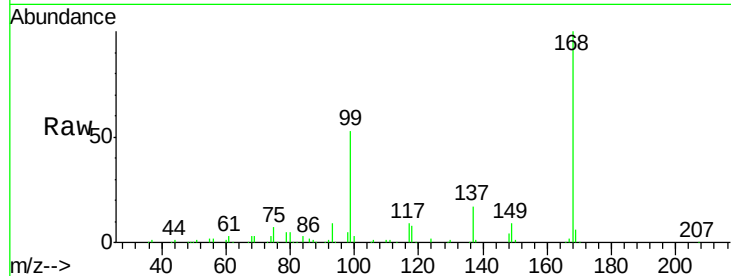
VE-2-1

Tgt Ion:168 Resp: 32885

Ion Ratio Lower Upper

168 100

99 53.2 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

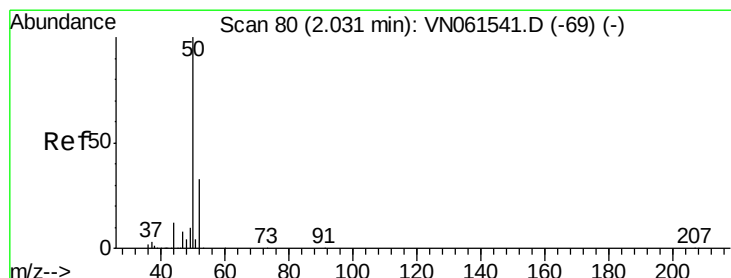
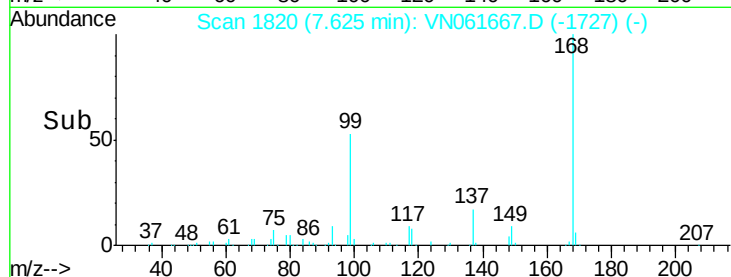
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.37 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061667.D

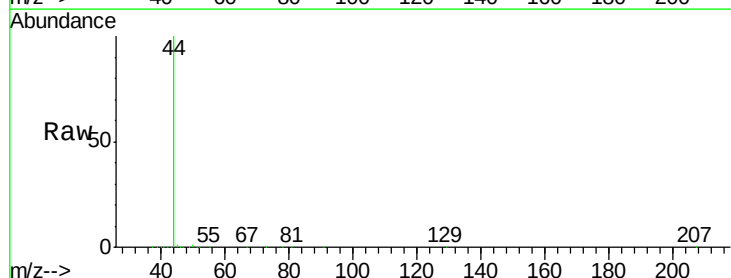
Acq: 5 Jun 2020 14:20

Tgt Ion: 50 Resp: 1468

Ion Ratio Lower Upper

50 100

52 30.0 26.7 40.1



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

1200

1000

800

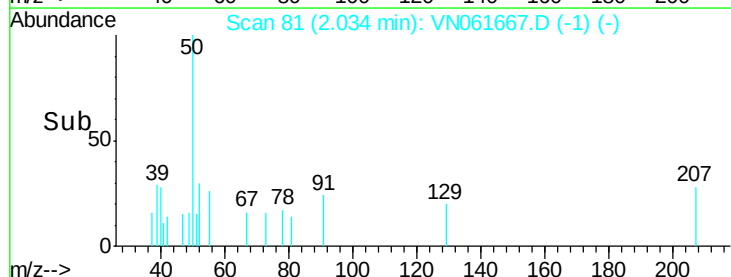
600

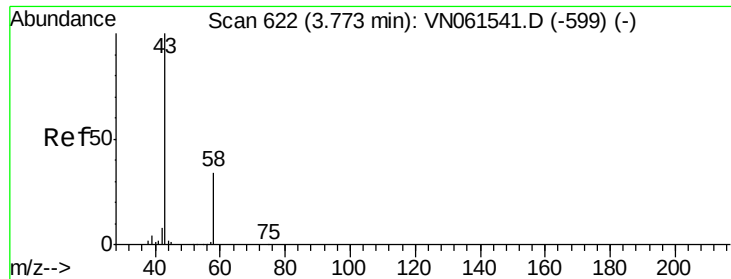
400

200

0

Time--> 2.00 2.05

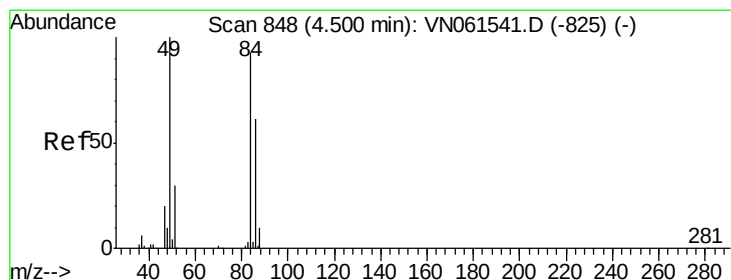
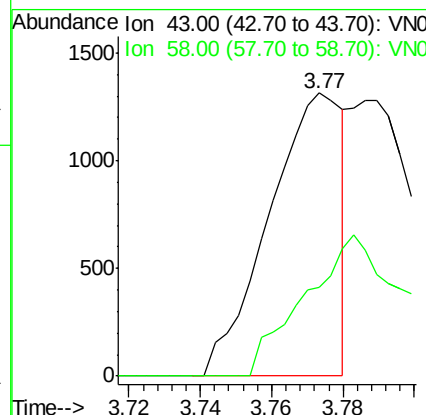
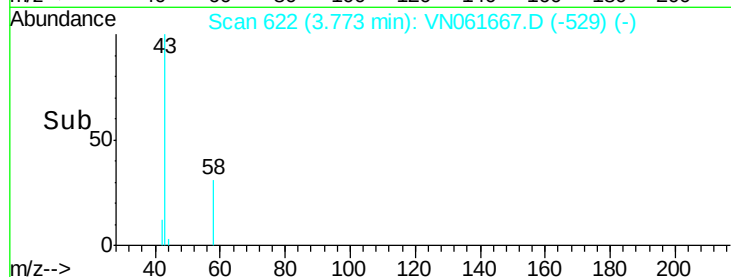
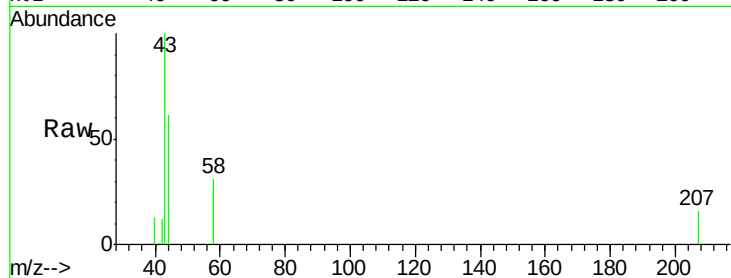




#16
Acetone
Concen: Below Cal
RT: 3.77 min Scan# 622
Delta R.T. 0.00 min
Lab File: VN061667.D
Acq: 5 Jun 2020 14:20

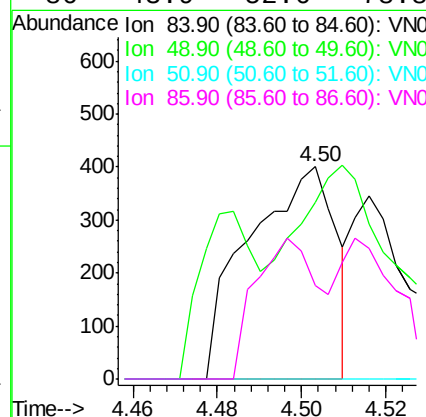
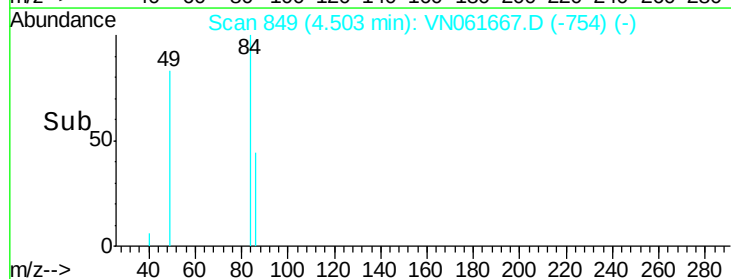
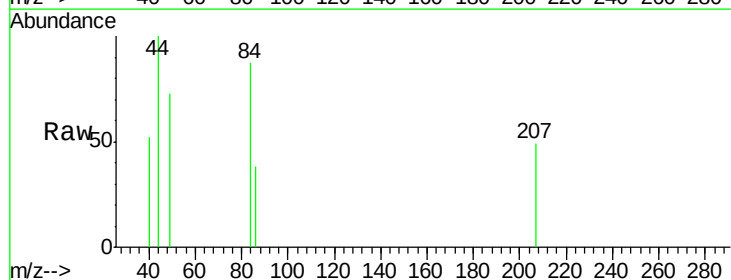
Instrument :
MSVOA_N
ClientSampled :
VE-2-1

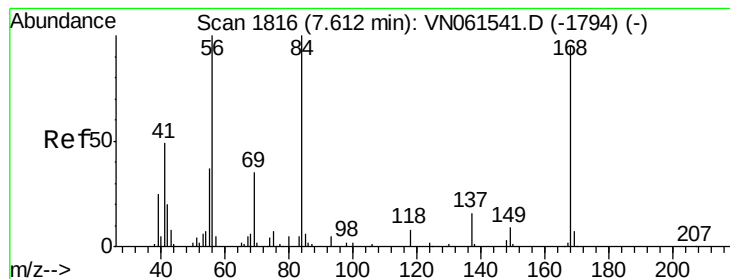
Tgt Ion: 43 Resp: 1876
Ion Ratio Lower Upper
43 100
58 31.4 27.2 40.8



#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061667.D
Acq: 5 Jun 2020 14:20

Tgt Ion: 84 Resp: 572
Ion Ratio Lower Upper
84 100
49 44.4 85.8 128.8#
51 0.0 26.2 39.2#
86 43.9 52.6 78.8#





#31

Cyclohexane

Concen: 1.08 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN061667.D

Acq: 5 Jun 2020 14:20

Instrument :

MSVOA_N

ClientSampled :

VE-2-1

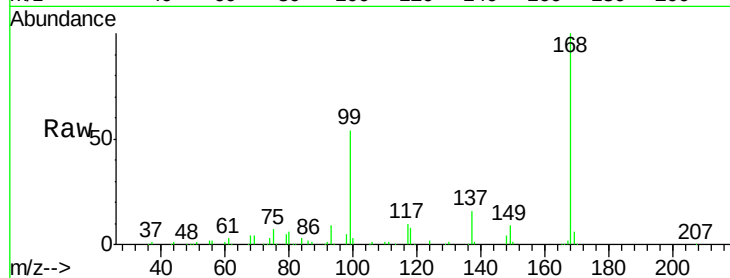
Tgt Ion: 56 Resp: 5982

Ion Ratio Lower Upper

56 100

69 177.0 27.8 41.8#

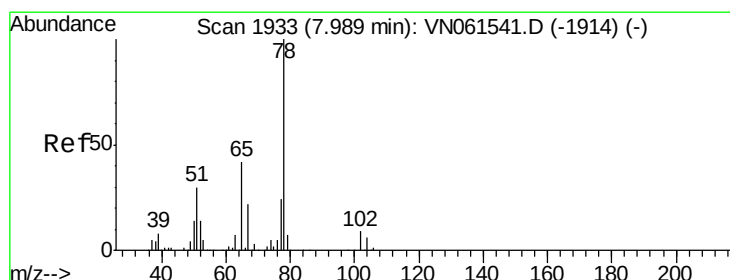
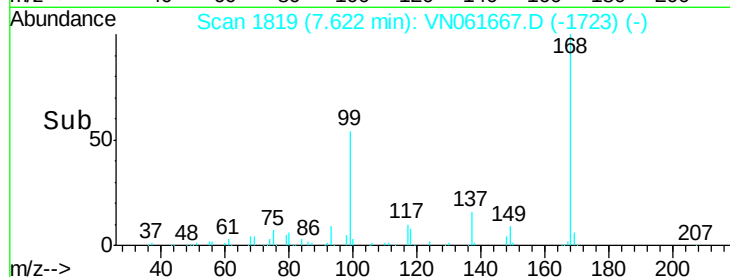
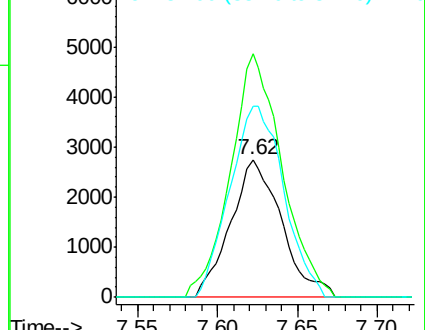
84 138.9 79.9 119.9#



Abundance Ion 56.00 (55.70 to 56.70): VN061667.D (-1723) (-)

Ion 69.00 (68.70 to 69.70): VN061667.D (-1723) (-)

Ion 84.00 (83.70 to 84.70): VN061667.D (-1723) (-)



#33

1,2-Dichloroethane-d4

Concen: 46.42 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061667.D

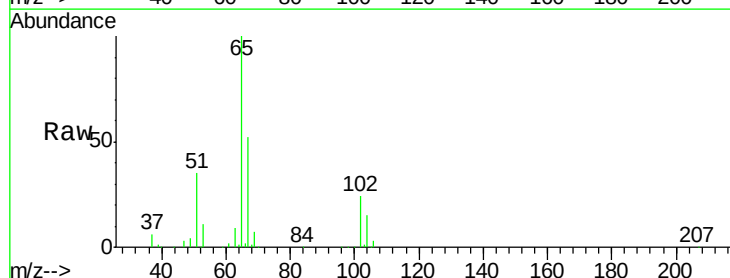
Acq: 5 Jun 2020 14:20

Tgt Ion: 65 Resp: 181904

Ion Ratio Lower Upper

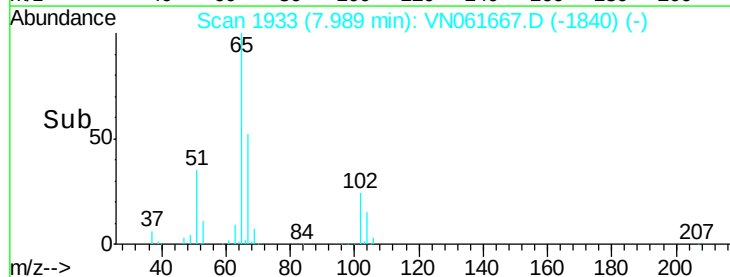
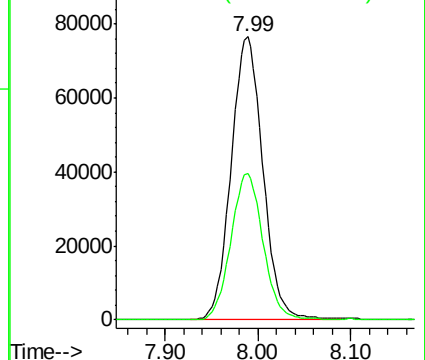
65 100

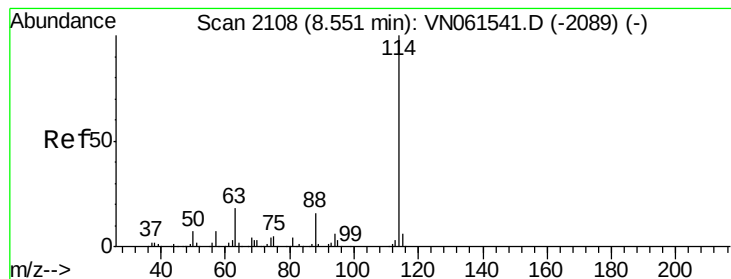
67 52.4 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN061667.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN061667.D (-1840) (-)





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061667.D

Acq: 5 Jun 2020 14:20

Instrument :

MSVOA_N

ClientSampleId :

VE-2-1

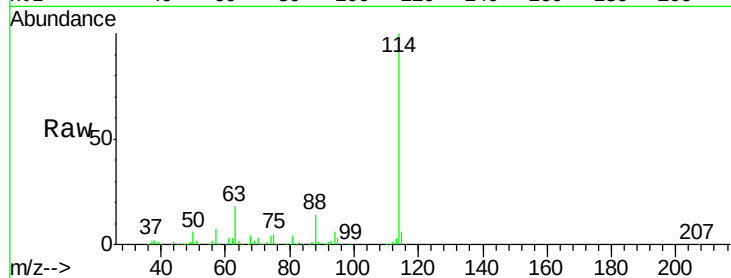
Tgt Ion:114 Resp: 562297

Ion Ratio Lower Upper

114 100

63 17.5 0.0 35.8

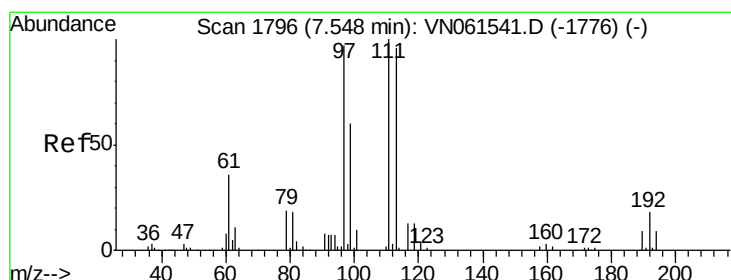
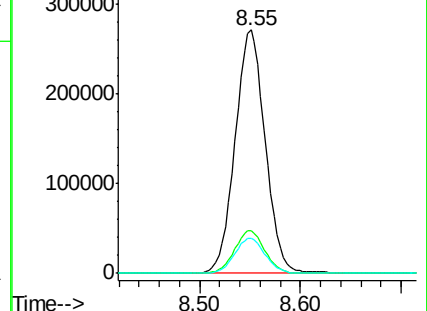
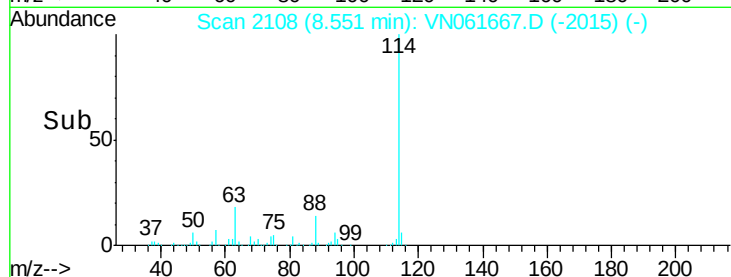
88 14.4 0.0 31.0



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: 55.90 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061667.D

Acq: 5 Jun 2020 14:20

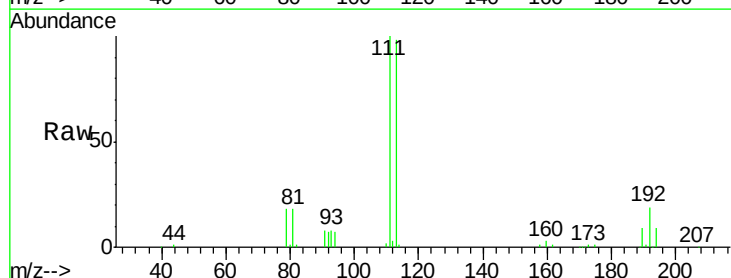
Tgt Ion:113 Resp: 159456

Ion Ratio Lower Upper

113 100

111 102.4 83.4 125.0

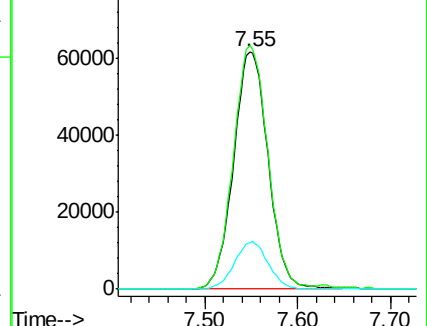
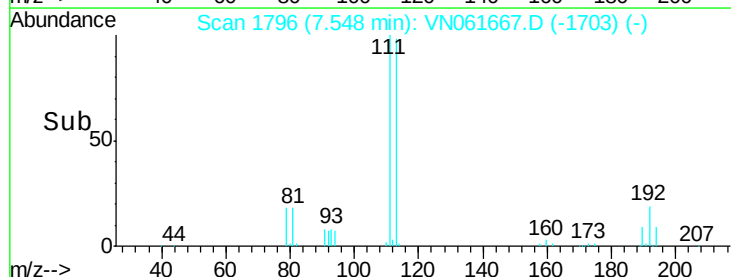
192 19.4 15.4 23.2

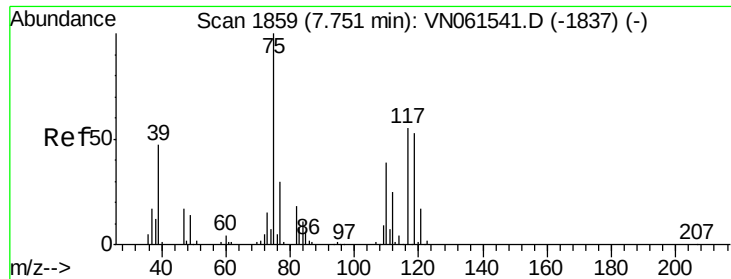


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

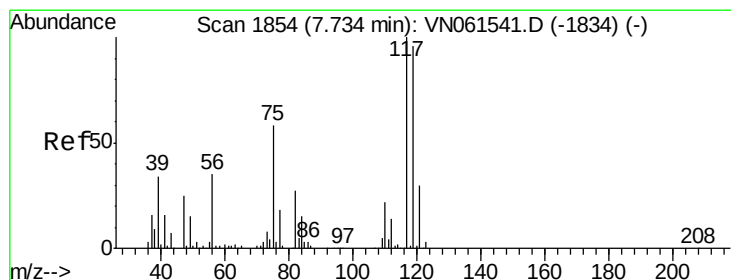
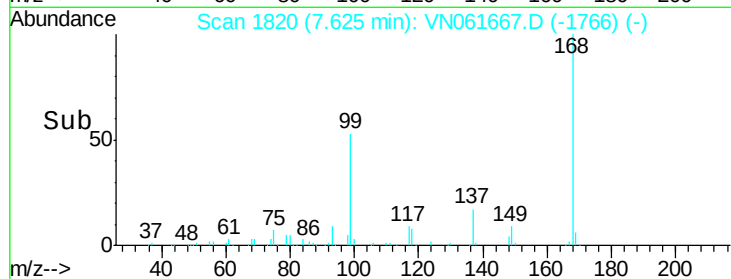
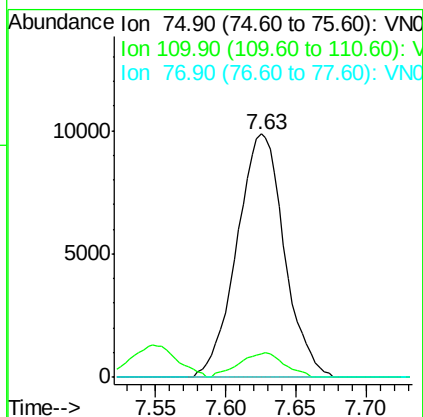
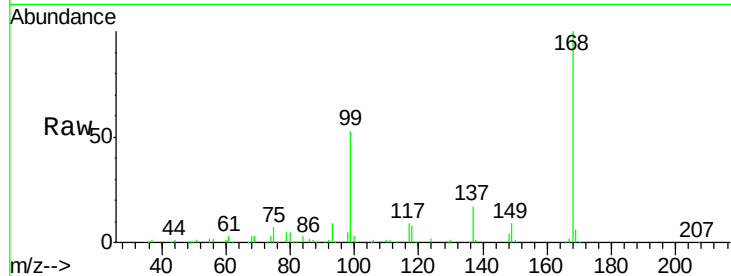




#36
 1,1-Dichloropropene
 Concen: 4.65 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061667.D
 Acq: 5 Jun 2020 14:20

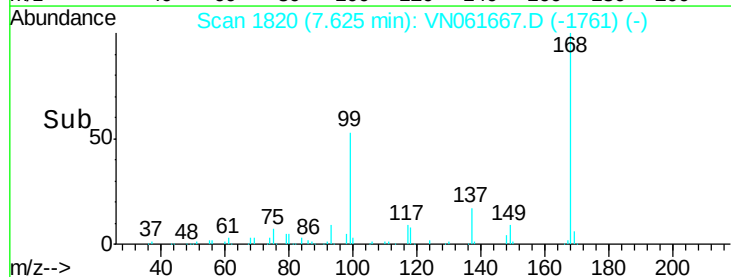
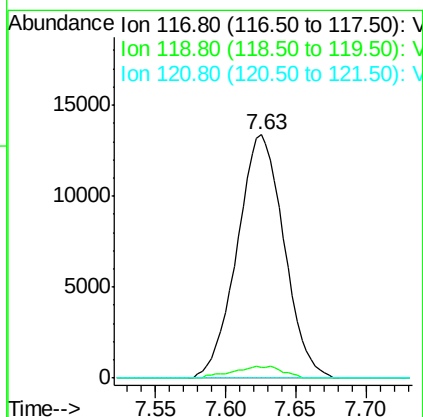
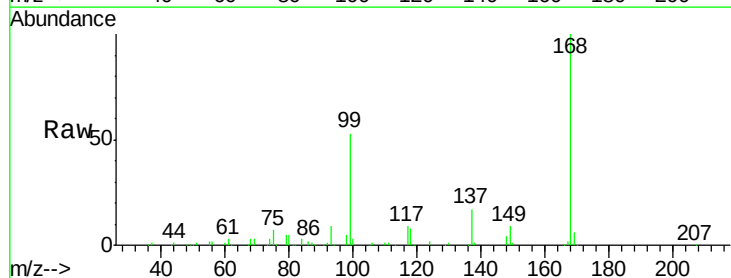
Instrument :
 MSVOA_N
 ClientSampled :
 VE-2-1

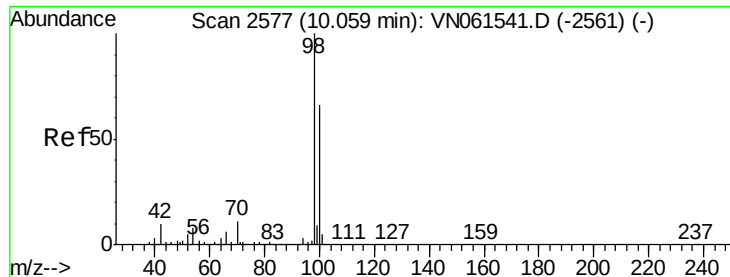
Tgt Ion: 75 Resp: 23150
 Ion Ratio Lower Upper
 75 100
 110 9.6 19.5 58.5#
 77 0.0 24.7 37.1#



#38
 Carbon Tetrachloride
 Concen: 6.46 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061667.D
 Acq: 5 Jun 2020 14:20

Tgt Ion: 117 Resp: 31025
 Ion Ratio Lower Upper
 117 100
 119 4.6 76.5 114.7#
 121 0.0 24.1 36.1#





#50

Toluene-d8

Concen: 50.77 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061667.D

Acq: 5 Jun 2020 14:20

Instrument :

MSVOA_N

ClientSampled :

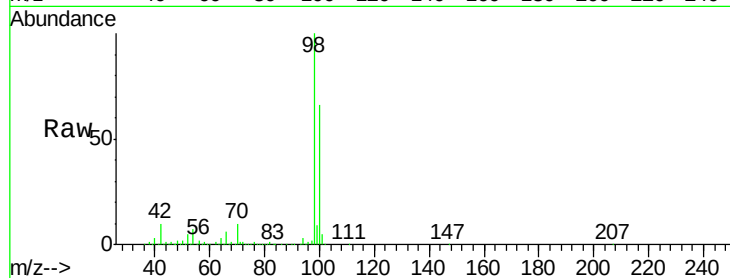
VE-2-1

Tgt Ion: 98 Resp: 671082

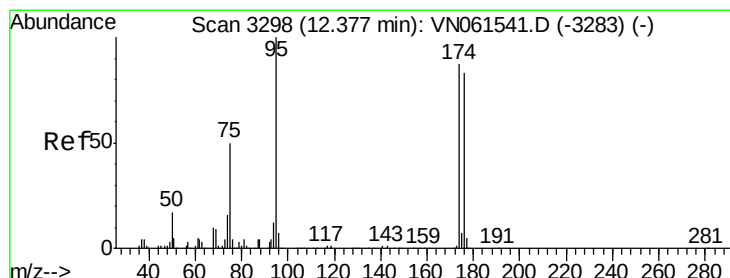
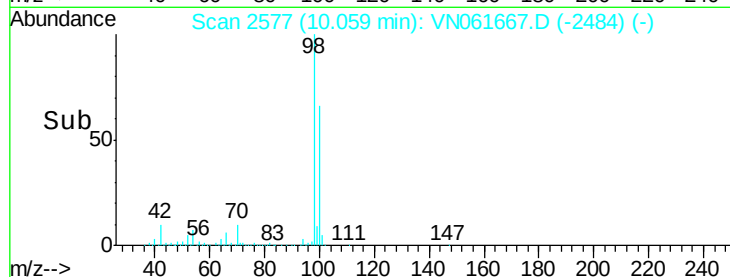
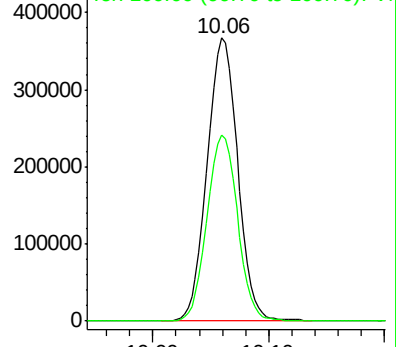
Ion Ratio Lower Upper

98 100

100 66.1 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN061541.D (-2561) (-)



#62

4-Bromofluorobenzene

Concen: 53.31 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061667.D

Acq: 5 Jun 2020 14:20

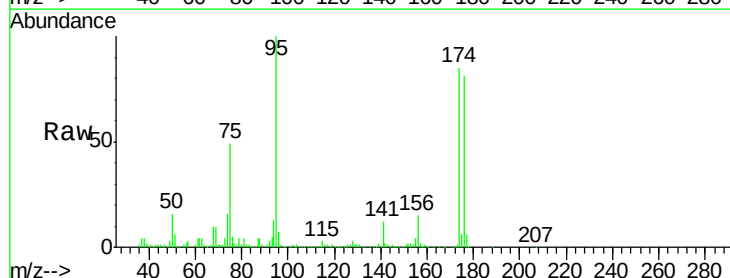
Tgt Ion: 95 Resp: 257079

Ion Ratio Lower Upper

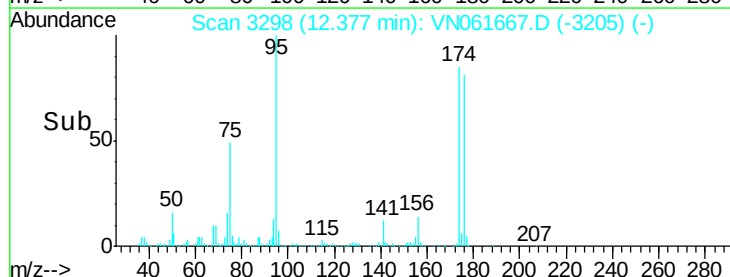
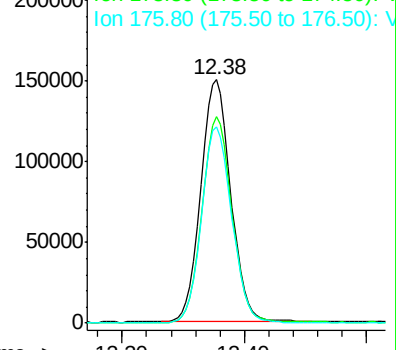
95 100

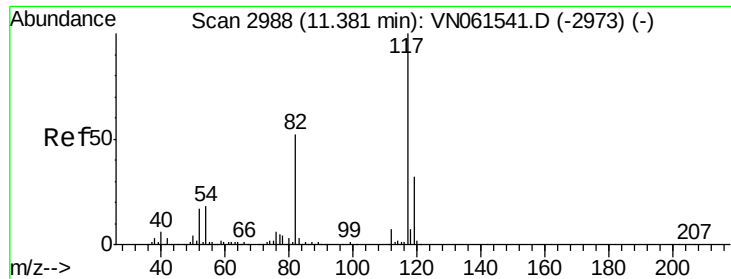
174 84.8 0.0 172.8

176 81.8 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN061541.D (-3283) (-)

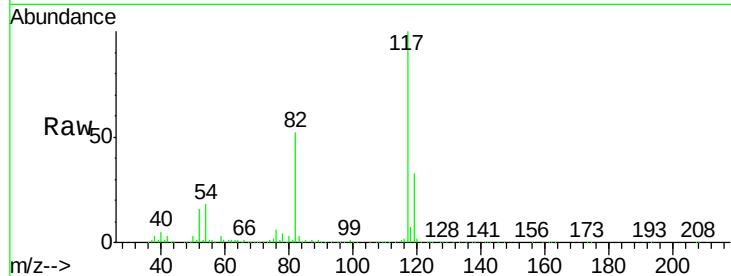




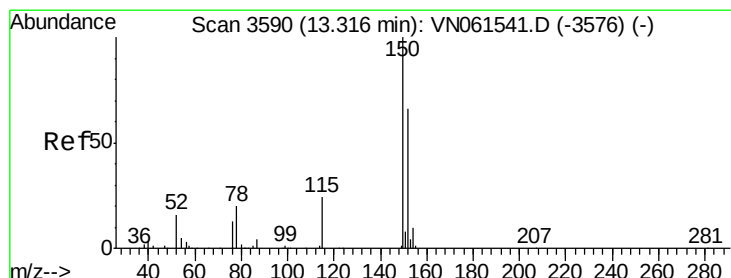
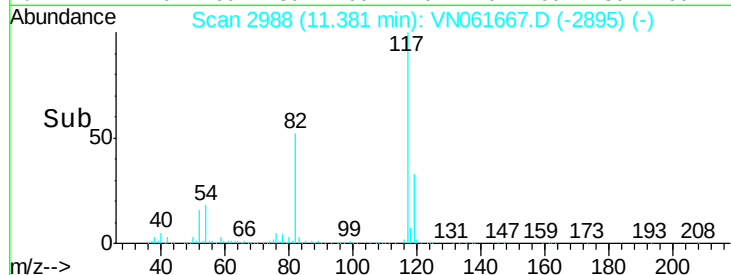
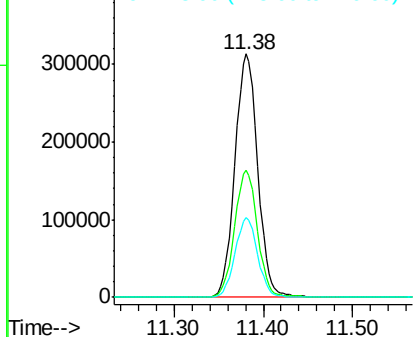
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061667.D
Acq: 5 Jun 2020 14:20

Instrument :
MSVOA_N
ClientSampleId :
VE-2-1

Tgt Ion:117 Resp: 556448
Ion Ratio Lower Upper
117 100
82 52.3 41.5 62.3
119 32.9 25.6 38.4

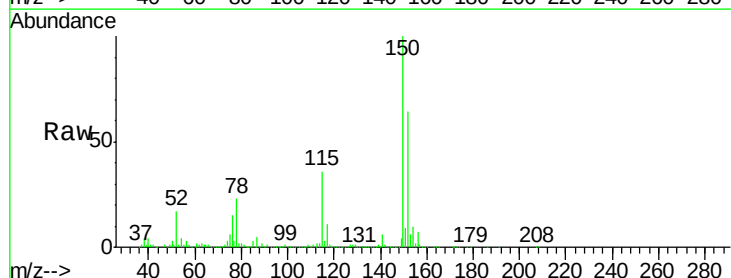


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

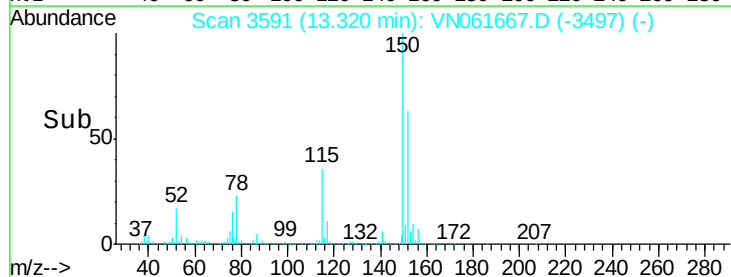
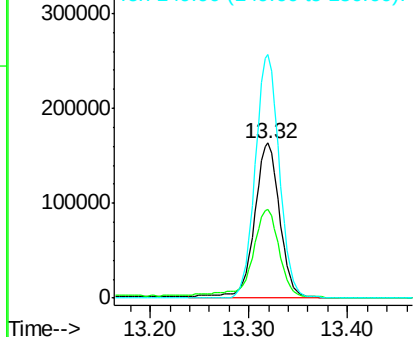


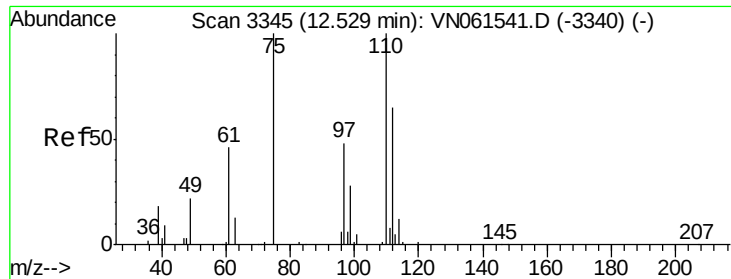
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN061667.D
Acq: 5 Jun 2020 14:20

Tgt Ion:152 Resp: 283693
Ion Ratio Lower Upper
152 100
115 61.8 28.0 84.0
150 150.3 0.0 344.0



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: 25.35 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061667.D

Acq: 5 Jun 2020 14:20

Instrument :

MSVOA_N

ClientSampled :

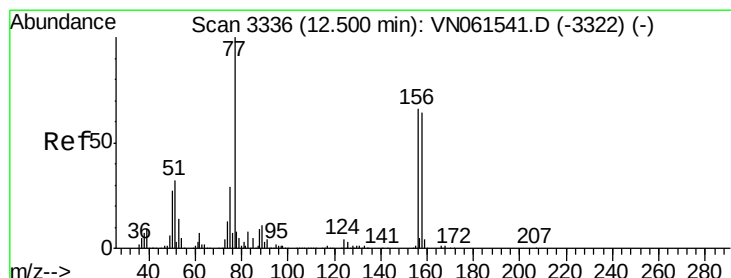
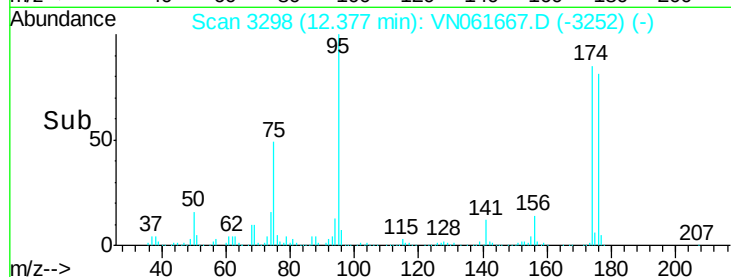
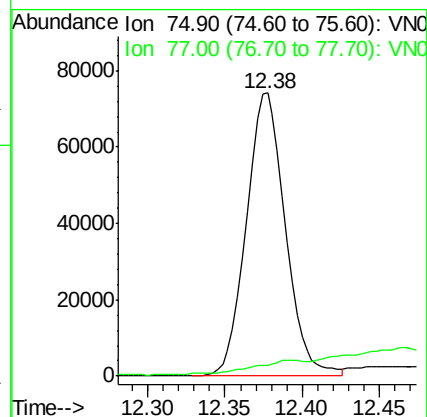
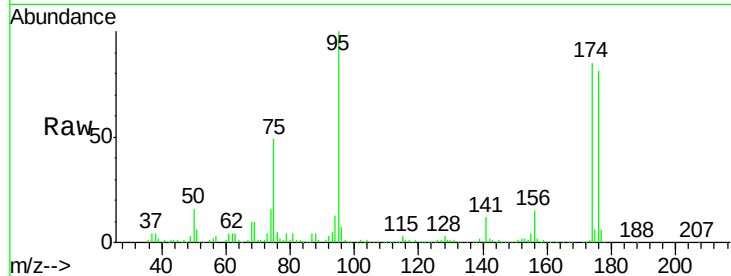
VE-2-1

Tgt Ion: 75 Resp: 130775

Ion Ratio Lower Upper

75 100

77 5.4 0.0 0.0#



#77

Bromobenzene

Concen: 105.08 ug/l

RT: 12.46 min Scan# 3325

Delta R.T. -0.04 min

Lab File: VN061667.D

Acq: 5 Jun 2020 14:20

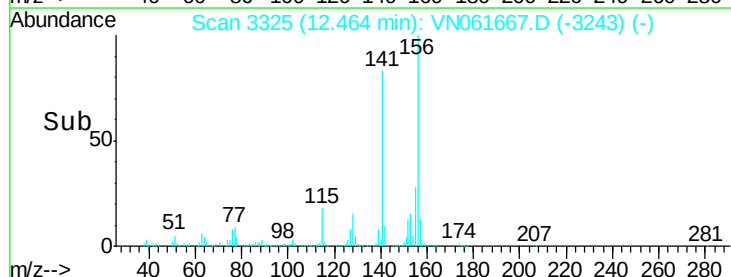
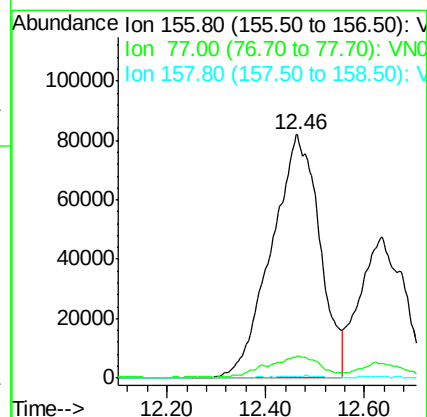
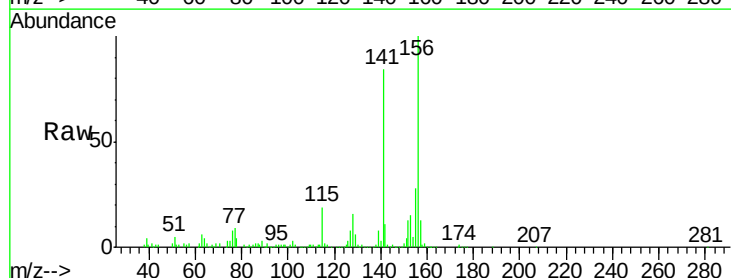
Tgt Ion: 156 Resp: 555357

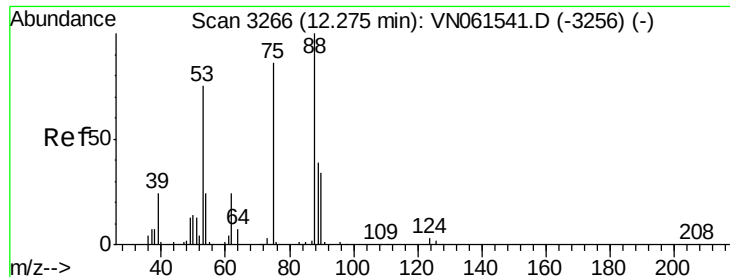
Ion Ratio Lower Upper

156 100

77 0.0 90.9 272.7#

158 0.0 48.4 145.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 64.83 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061667.D

Acq: 5 Jun 2020 14:20

Instrument :

MSVOA_N

ClientSampled :

VE-2-1

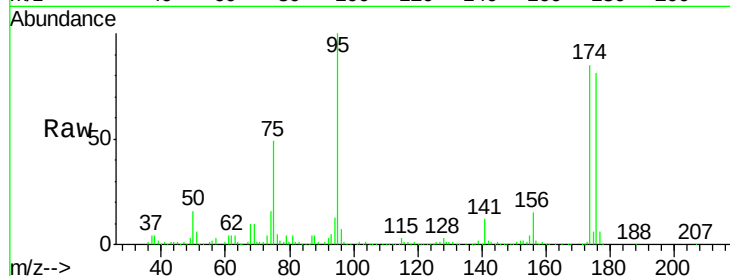
Tgt Ion: 75 Resp: 130775

Ion Ratio Lower Upper

75 100

53 0.1 67.8 101.8#

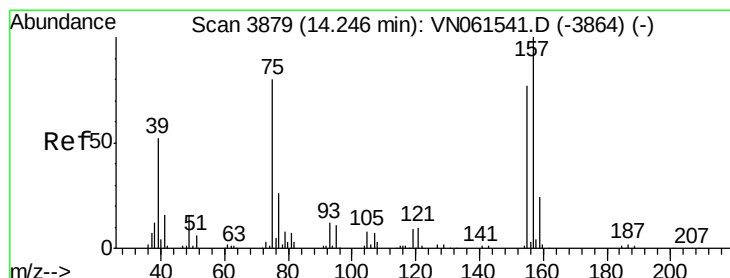
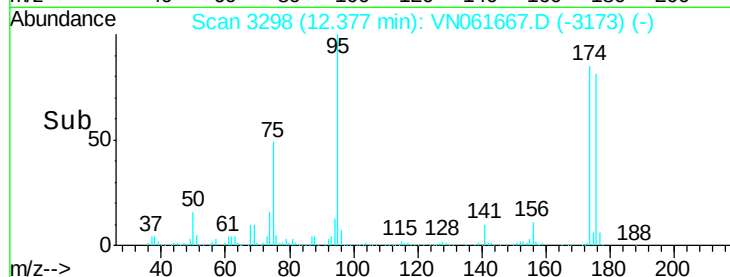
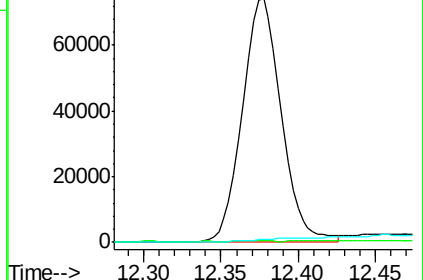
89 0.0 37.1 55.7#



Abundance Ion 74.90 (74.60 to 75.60): VN061541.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN061541.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN061541.D (-3256) (-)



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.57 ug/l

RT: 14.26 min Scan# 3883

Delta R.T. 0.01 min

Lab File: VN061667.D

Acq: 5 Jun 2020 14:20

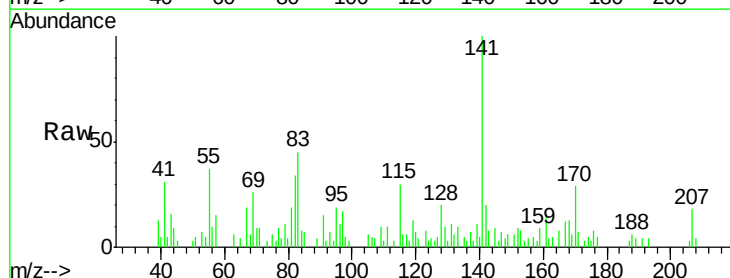
Tgt Ion: 75 Resp: 678

Ion Ratio Lower Upper

75 100

155 0.0 47.1 141.4#

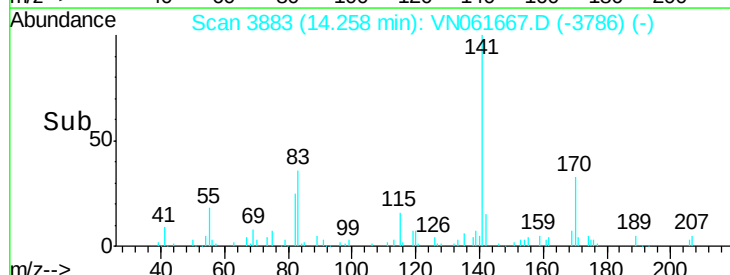
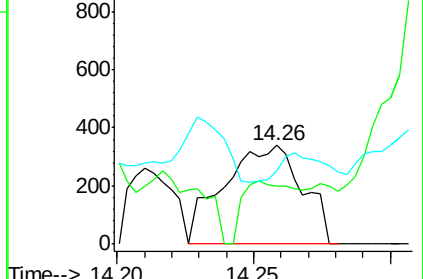
157 17.4 60.3 180.8#

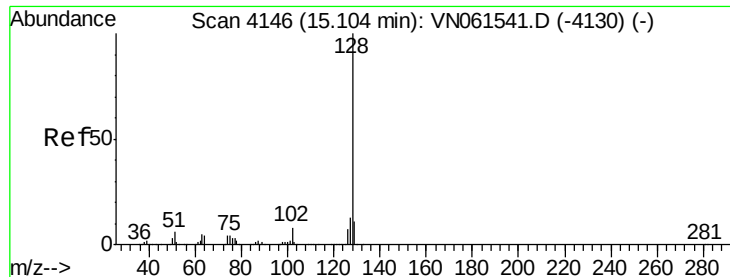


Abundance Ion 74.90 (74.60 to 75.60): VN061541.D (-3864) (-)

Ion 154.80 (154.50 to 155.50): VN061541.D (-3864) (-)

Ion 156.80 (156.50 to 157.50): VN061541.D (-3864) (-)





#95
Naphthalene
Concen: 0.65 ug/l
RT: 15.12 min Scan# 4150
Delta R.T. 0.01 min
Lab File: VN061667.D
Acq: 5 Jun 2020 14:20

Instrument :
MSVOA_N
ClientSampleId :
VE-2-1

Tgt Ion:128 Resp: 10300
Ion Ratio Lower Upper
128 100
127 25.6 10.0 15.0#
129 16.3 8.5 12.7#

