

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061456.D
 Acq On : 19 May 2020 3:49
 Operator : JC/MD
 Sample : L2671-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Z4-TB11-200514

Quant Time: May 19 04:54:13 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	270727	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	504956	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	487752	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	213191	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	192655	47.68	ug/l	0.00
Spiked Amount			Recovery	=	95.36%	
35) Dibromofluoromethane	7.55	113	141624	53.54	ug/l	0.00
Spiked Amount			Recovery	=	107.08%	
50) Toluene-d8	10.06	98	639096	52.09	ug/l	0.00
Spiked Amount			Recovery	=	104.18%	
62) 4-Bromofluorobenzene	12.38	95	243141	53.04	ug/l	0.00
Spiked Amount			Recovery	=	106.08%	

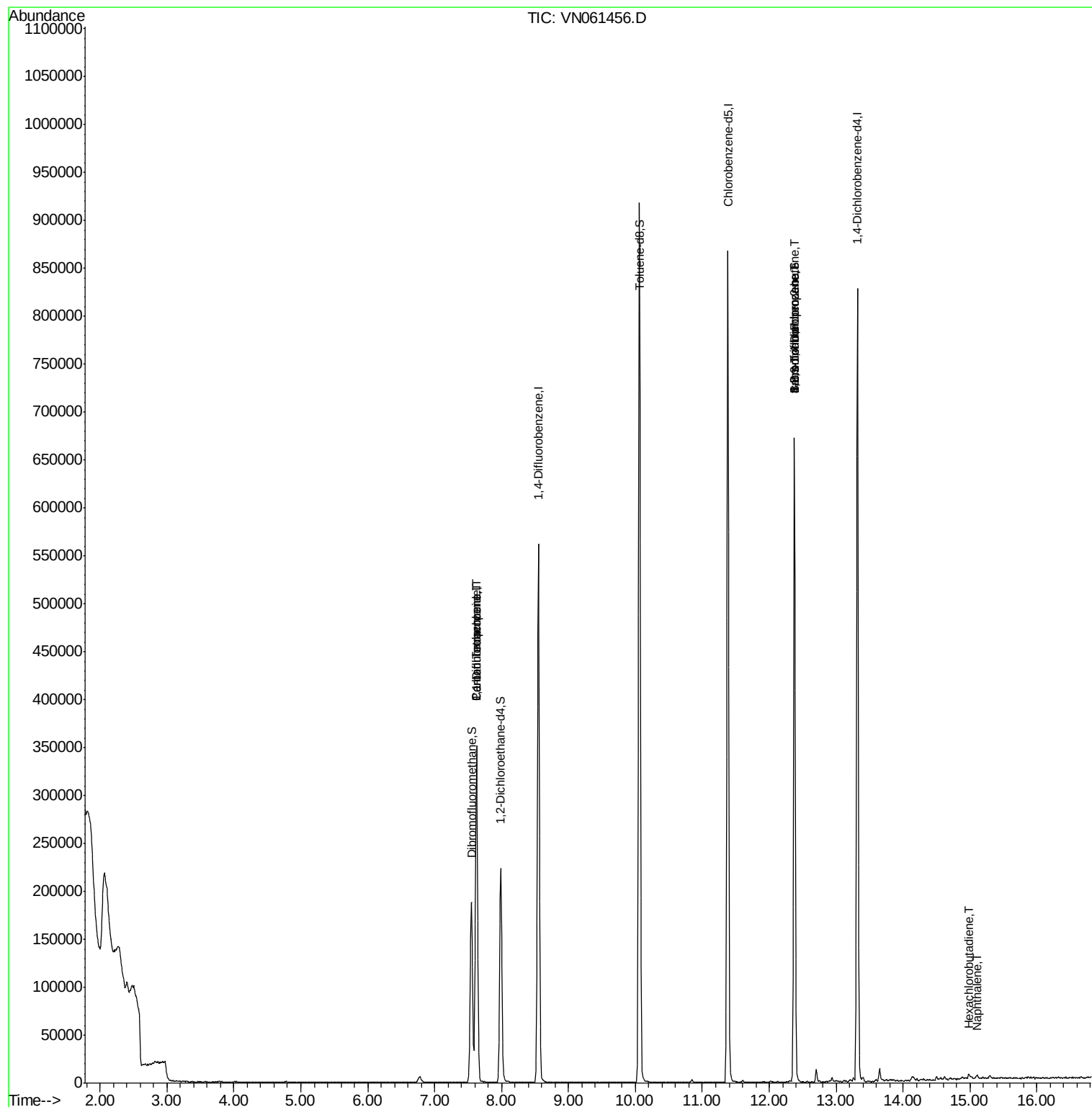
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	796	Below Cal	#	26
16) Acetone	3.79	43	1331	Below Cal		97
17) Carbon Disulfide	4.00	76	607	Below Cal	#	75
18) Methyl Acetate	4.23	43	98	Below Cal	#	49
31) Cyclohexane	7.63	56	6181	Below Cal	#	1
36) 1,1-Dichloropropene	7.63	75	23148	4.903	ug/l #	51
38) Carbon Tetrachloride	7.63	117	28014	6.444	ug/l #	15
49) 1,4-Dioxane	9.17	88	102	Below Cal	#	25
71) Bromoform	12.37	173	1612	2.578	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	126670	27.690	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	126670	73.456	ug/l #	12
94) Hexachlorobutadiene	14.98	225	718	0.457	ug/l #	67
95) Naphthalene	15.11	128	2953	0.263	ug/l #	92

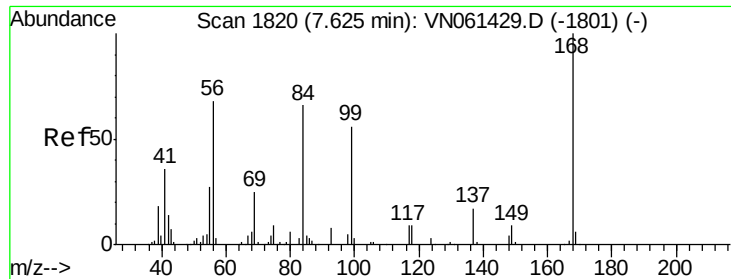
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061456.D

Acq: 19 May 2020 3:49

Instrument :

MSVOA_N

ClientSampleId :

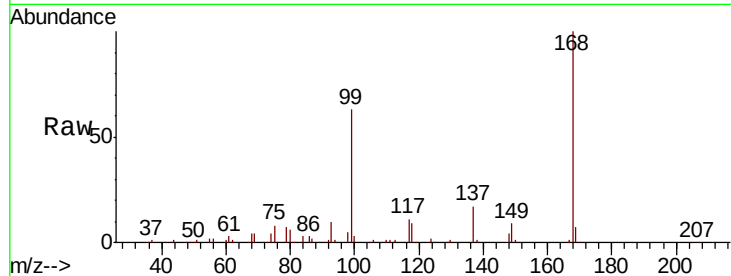
Z4-TB11-200514

Tot Ion:168 Resp: 270727

Ion Ratio Lower Upper

168 100

99 62.6 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

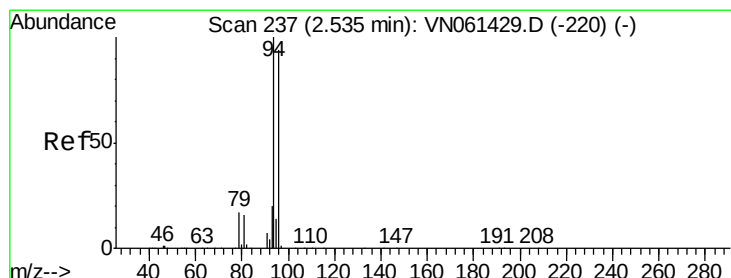
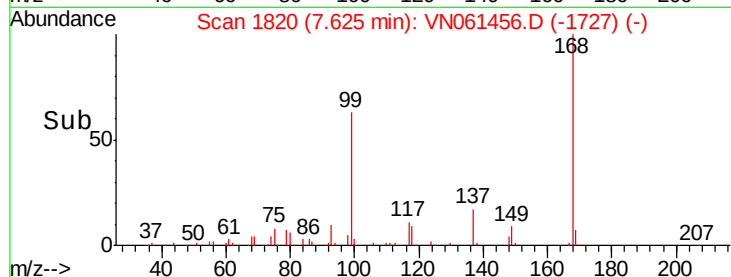
7.63

100000

50000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#5

Bromomethane

Concen: Below Cal

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN061456.D

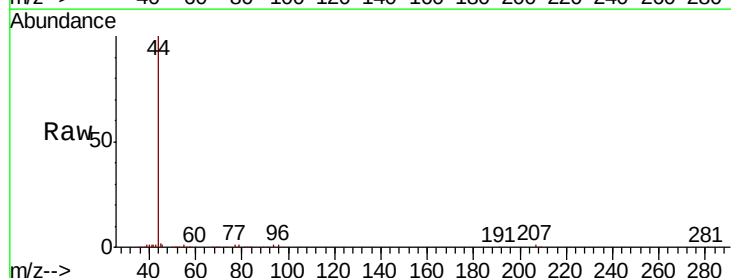
Acq: 19 May 2020 3:49

Tgt Ion: 94 Resp: 796

Ion Ratio Lower Upper

94 100

96 22.3 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.54

500

400

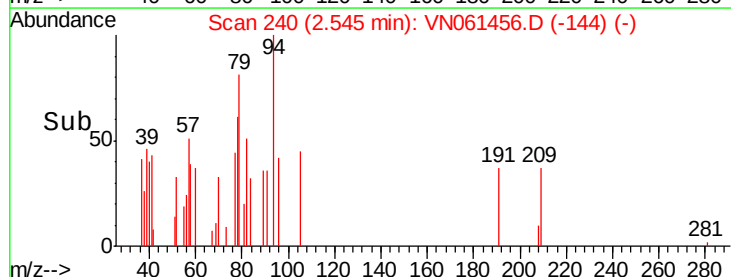
300

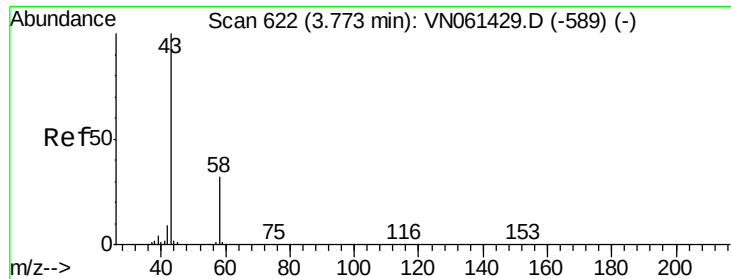
200

100

0

Time--> 2.52 2.54 2.56 2.58

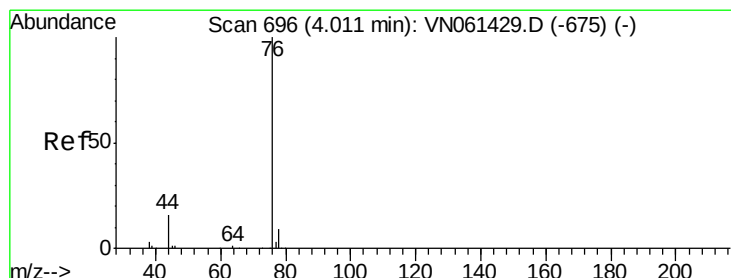
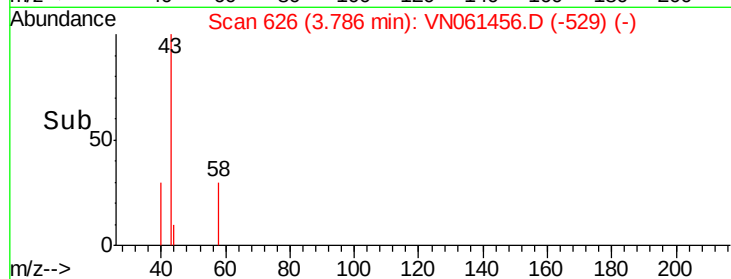
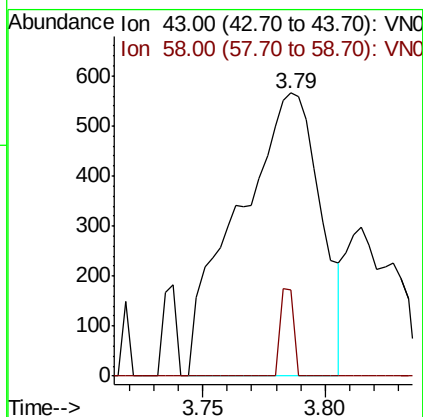
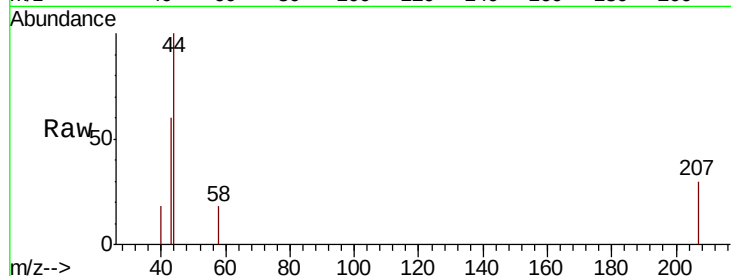




#16
Acetone
Concen: Below Cal
RT: 3.79 min Scan# 626
Delta R.T. 0.01 min
Lab File: VN061456.D
Acq: 19 May 2020 3:49

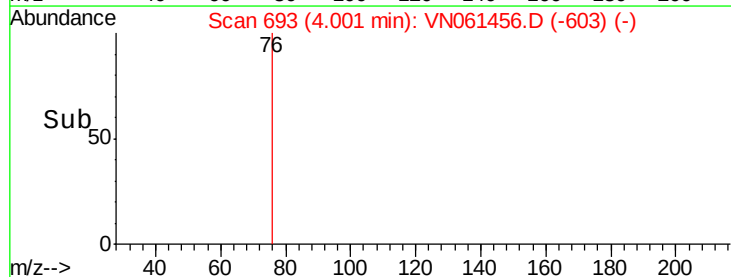
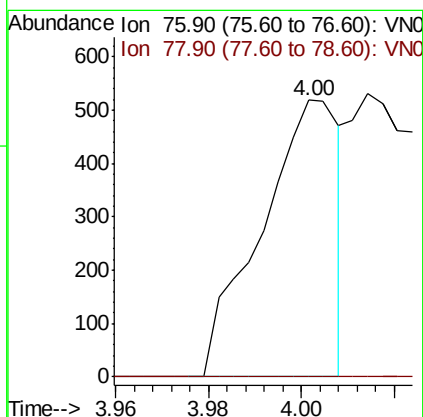
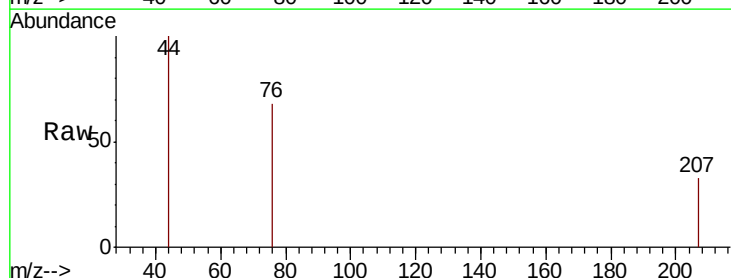
Instrument :
MSVOA_N
ClientSampleId :
Z4-TB11-200514

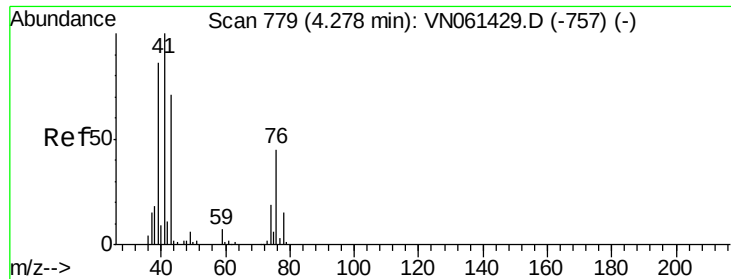
Tot Ion: 43 Resp: 1331
Ion Ratio Lower Upper
43 100
58 30.4 25.6 38.4



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.00 min Scan# 693
Delta R.T. -0.01 min
Lab File: VN061456.D
Acq: 19 May 2020 3:49

Tgt Ion: 76 Resp: 607
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

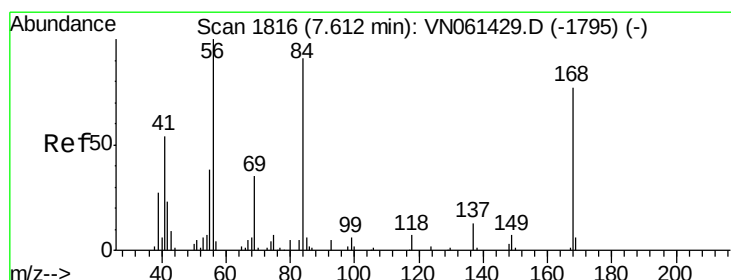
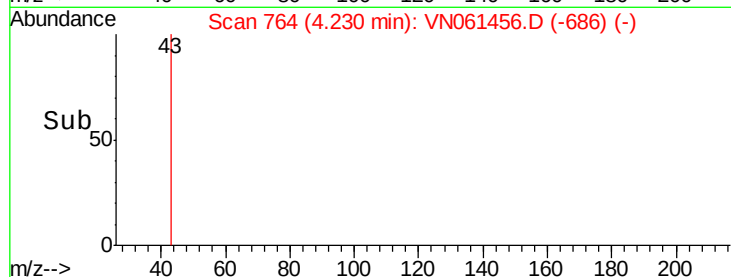
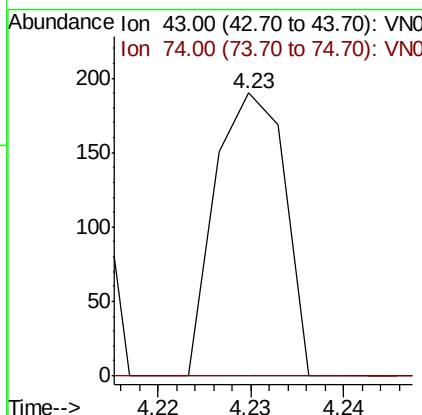
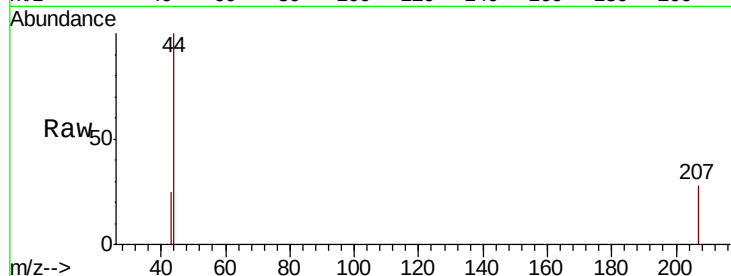




#18
Methyl Acetate
Concen: Below Cal
RT: 4.23 min Scan# 764
Delta R.T. -0.05 min
Lab File: VN061456.D
Acq: 19 May 2020 3:49

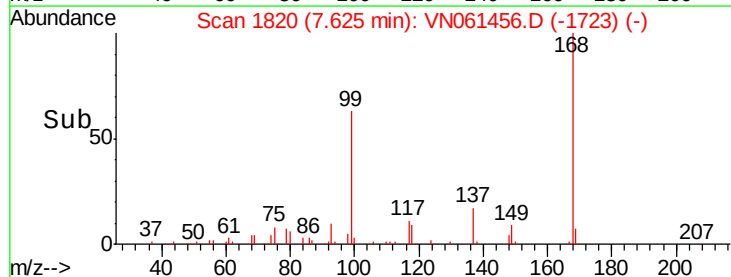
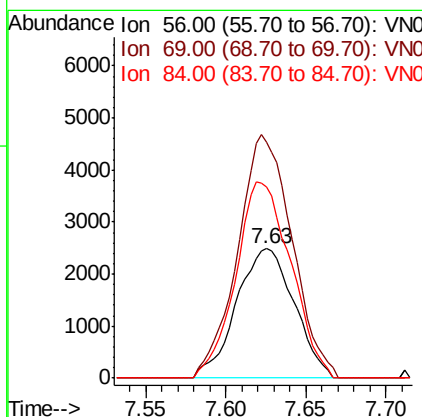
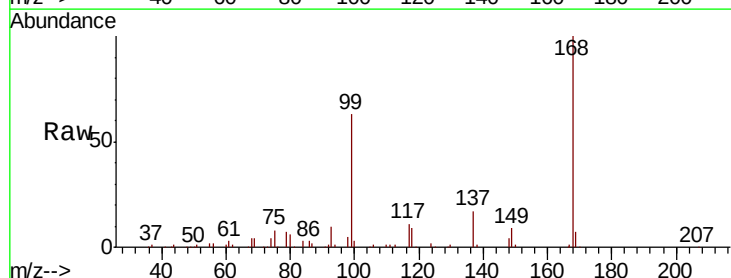
Instrument :
MSVOA_N
ClientSampleId :
Z4-TB11-200514

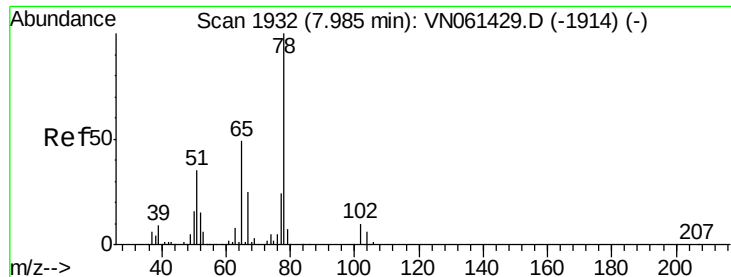
Tot Ion: 43 Resp: 98
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN061456.D
Acq: 19 May 2020 3:49

Tgt Ion: 56 Resp: 6181
Ion Ratio Lower Upper
56 100
69 181.8 27.8 41.6#
84 147.7 72.7 109.1#

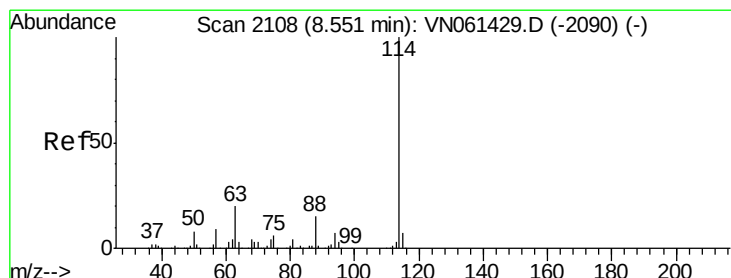
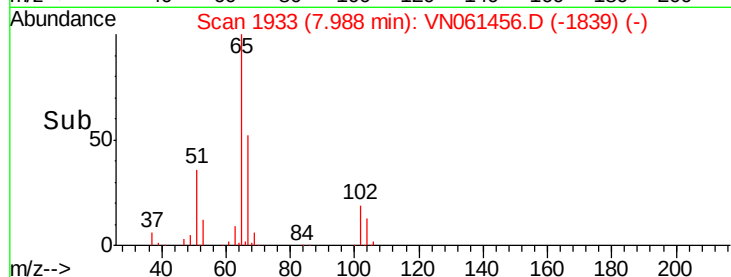
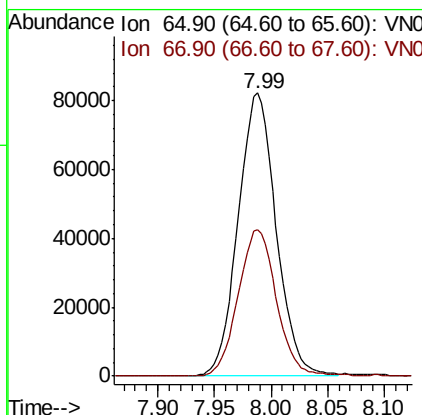
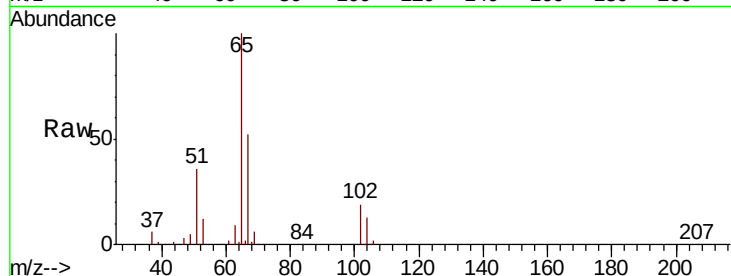




#33
 1,2-Dichloroethane-d4
 Concen: 47.681 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061456.D
 Acq: 19 May 2020 3:49

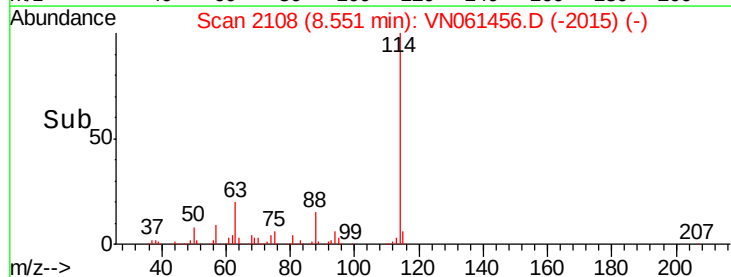
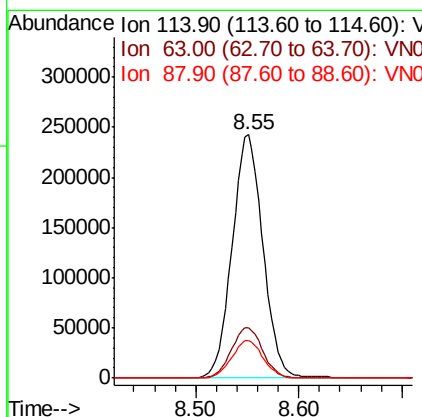
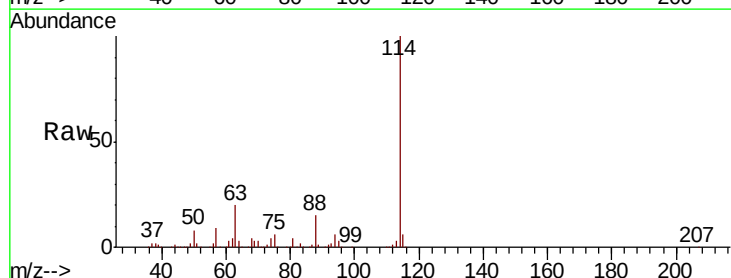
Instrument :
 MSVOA_N
 ClientSampleId :
 Z4-TB11-200514

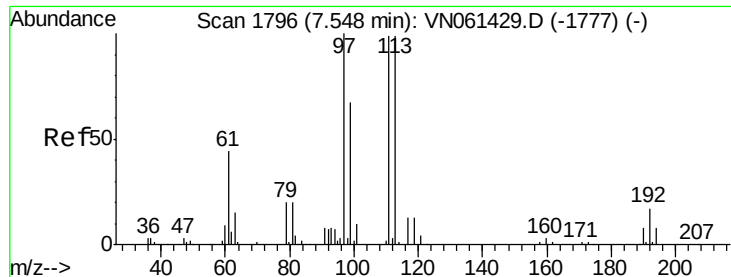
Tot Ion: 65 Resp: 192655
 Ion Ratio Lower Upper
 65 100
 67 52.3 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061456.D
 Acq: 19 May 2020 3:49

Tgt Ion: 114 Resp: 504956
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.8
 88 15.5 0.0 30.8

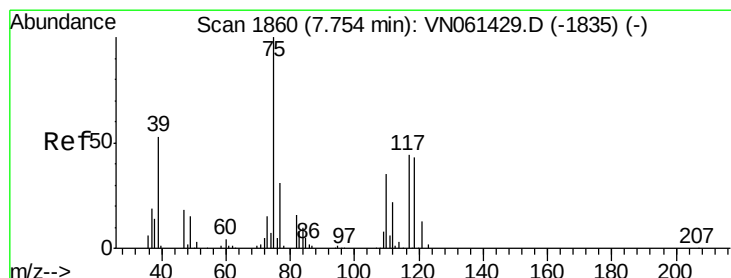
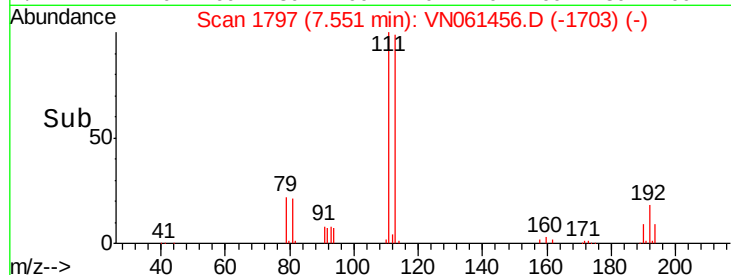
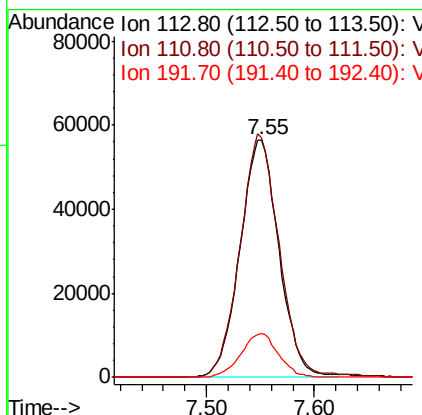
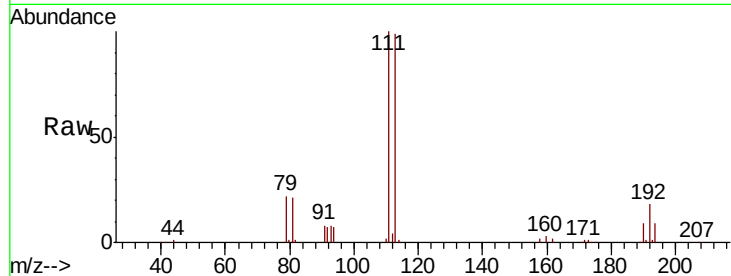




#35
 Dibromofluoromethane
 Concen: 53.537 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN061456.D
 Acq: 19 May 2020 3:49

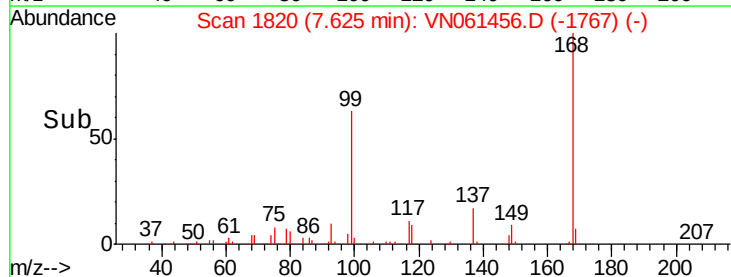
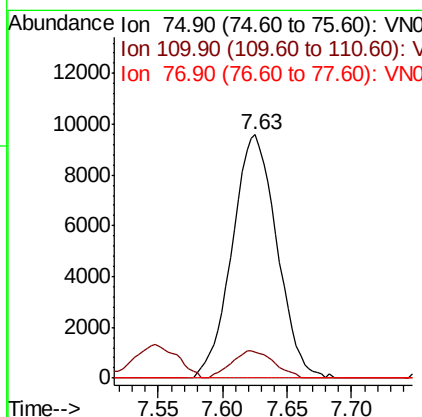
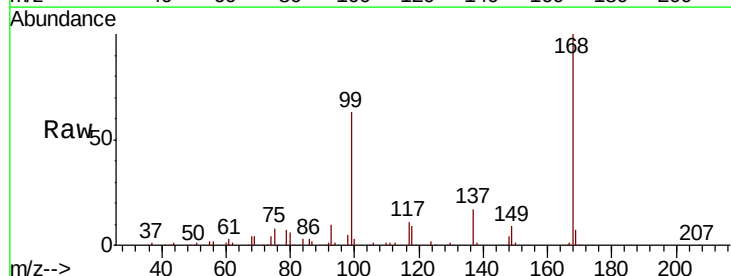
Instrument :
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 ClientSampleId :
 Z4-TB11-200514

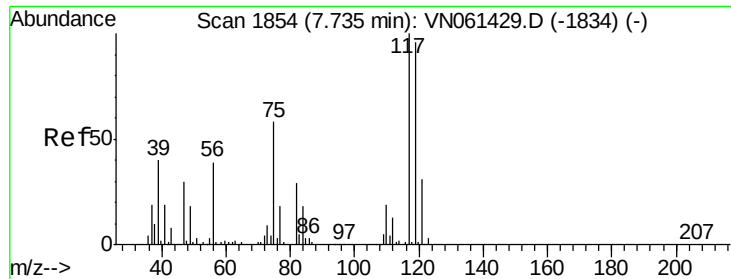
Tot Ion:113 Resp: 141624
 Ion Ratio Lower Upper
 113 100
 111 102.5 80.6 121.0
 192 17.8 13.2 19.8



#36
 1,1-Dichloropropene
 Concen: 4.903 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061456.D
 Acq: 19 May 2020 3:49

Tgt Ion: 75 Resp: 23148
 Ion Ratio Lower Upper
 75 100
 110 10.6 17.3 51.9#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 6.444 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061456.D

Acq: 19 May 2020 3:49

Instrument :

MSVOA_N

ClientSampleId :

Z4-TB11-200514

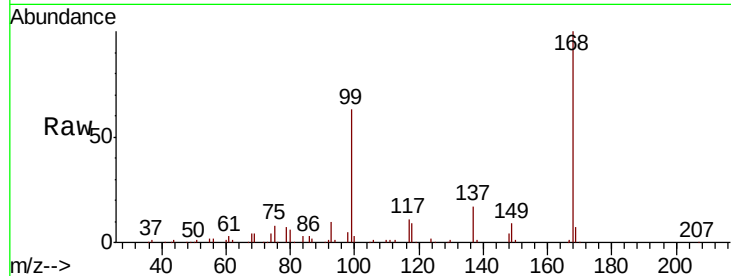
Tot Ion:117 Resp: 28014

Ion Ratio Lower Upper

117 100

119 3.5 77.0 115.6#

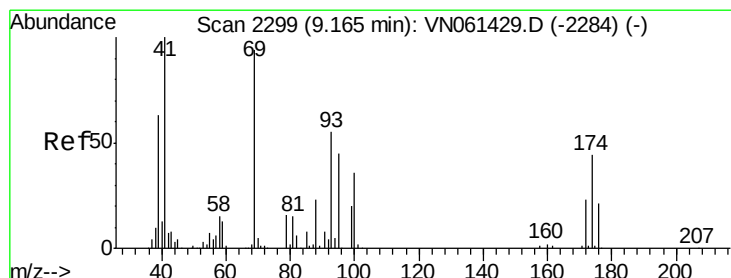
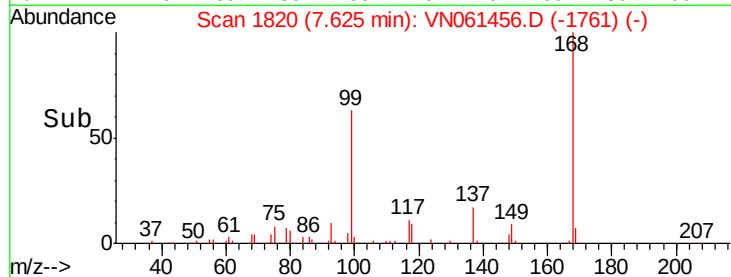
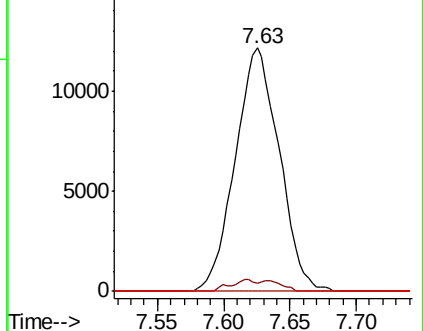
121 0.0 24.7 37.1#



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 9.17 min Scan# 2301

Delta R.T. 0.01 min

Lab File: VN061456.D

Acq: 19 May 2020 3:49

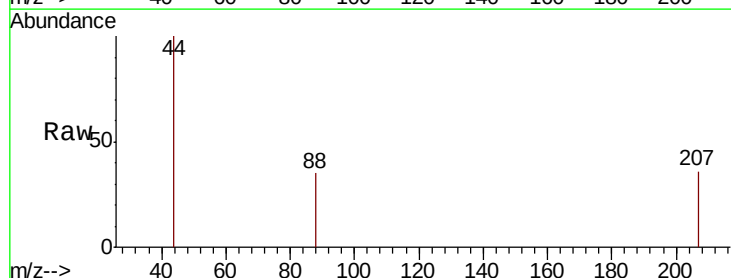
Tgt Ion: 88 Resp: 102

Ion Ratio Lower Upper

88 100

43 65.7 26.3 39.5#

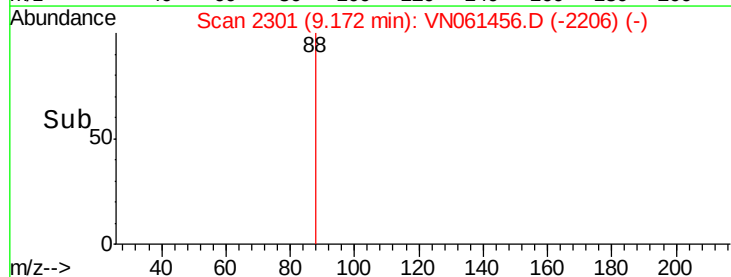
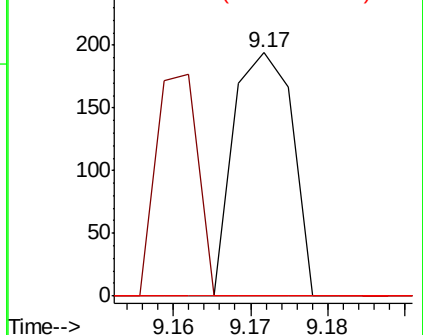
58 0.0 54.1 81.1#

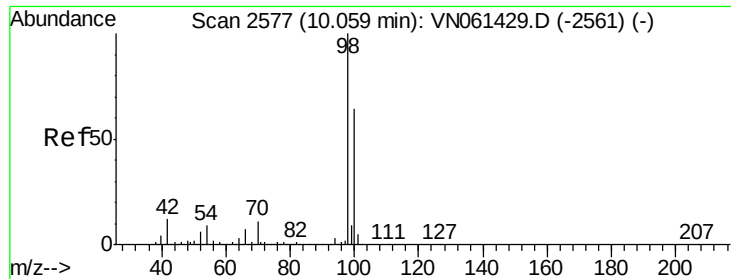


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 52.088 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061456.D

Acq: 19 May 2020 3:49

Instrument :

MSVOA_N

ClientSampleId :

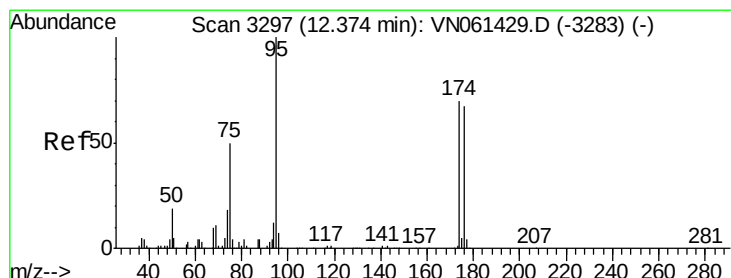
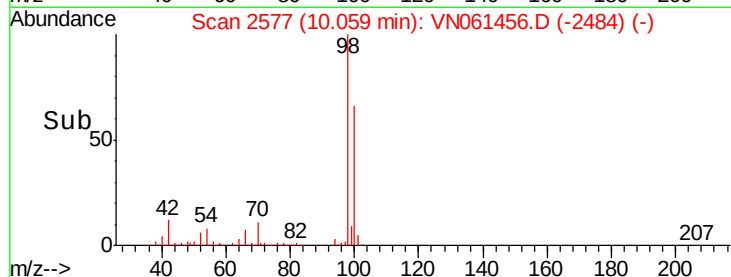
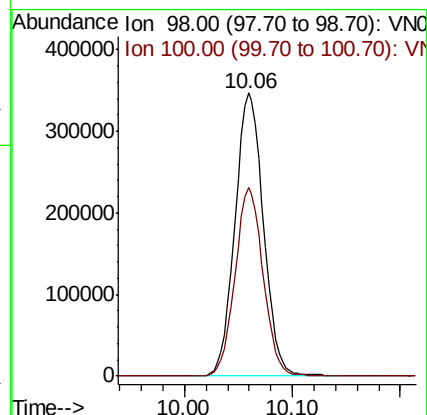
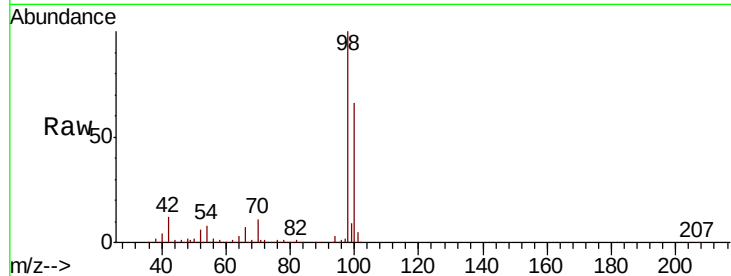
Z4-TB11-200514

Tot Ion: 98 Resp: 639096

Ion Ratio Lower Upper

98 100

100 65.8 51.8 77.8



#62

4-Bromofluorobenzene

Concen: 53.041 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061456.D

Acq: 19 May 2020 3:49

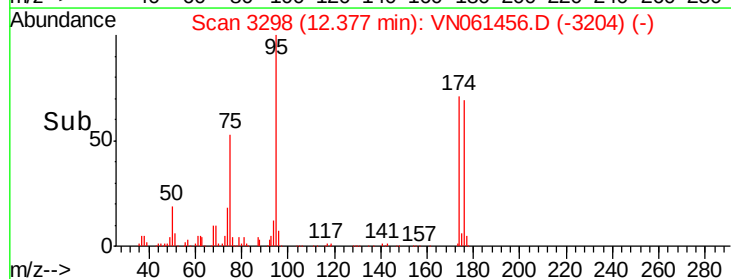
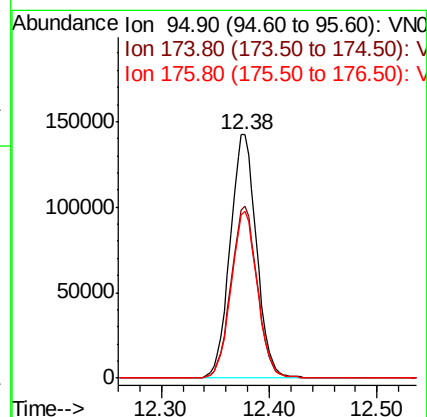
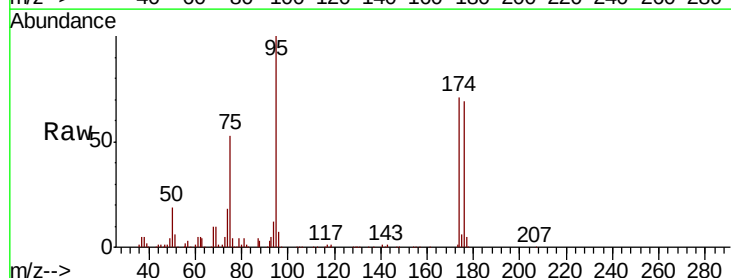
Tgt Ion: 95 Resp: 243141

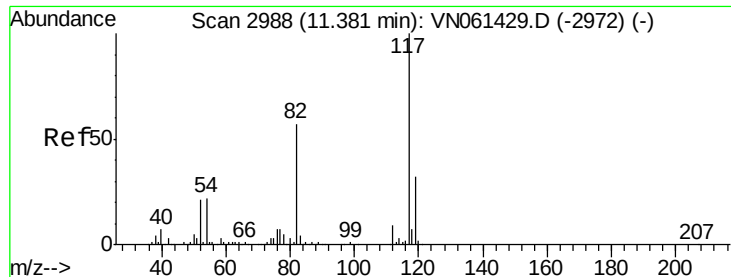
Ion Ratio Lower Upper

95 100

174 70.4 0.0 141.2

176 68.1 0.0 137.6

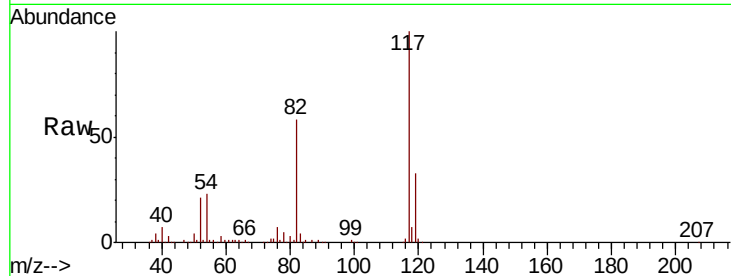




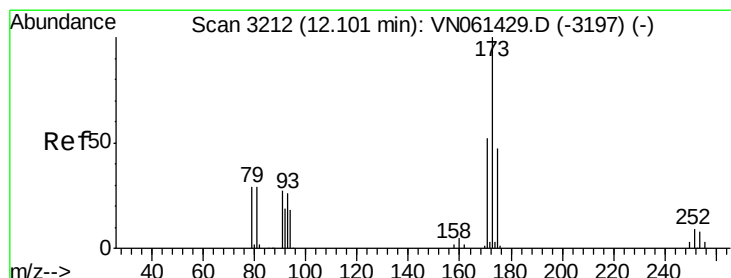
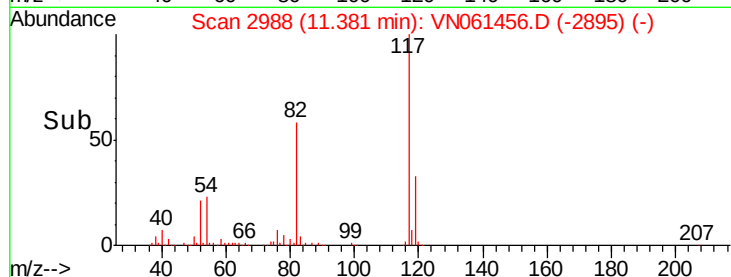
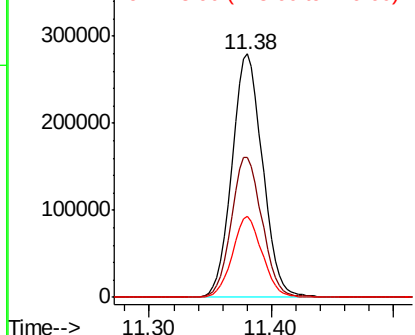
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061456.D
Acq: 19 May 2020 3:49

Instrument :
MSVOA_N
ClientSampleId :
Z4-TB11-200514

Tot Ion:117 Resp: 487752
Ion Ratio Lower Upper
117 100
82 57.6 45.2 67.8
119 33.4 25.3 37.9

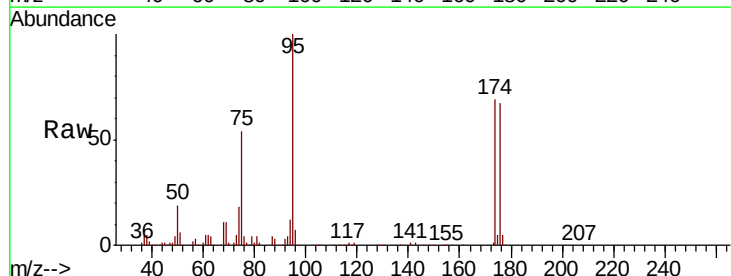


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

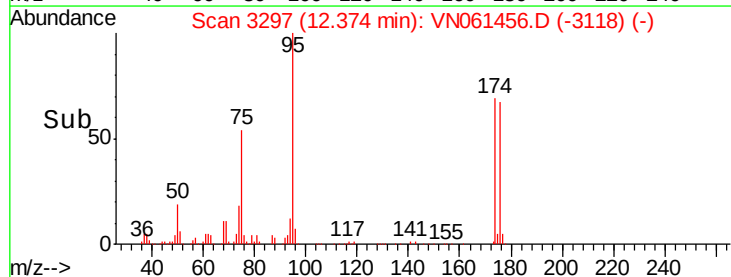
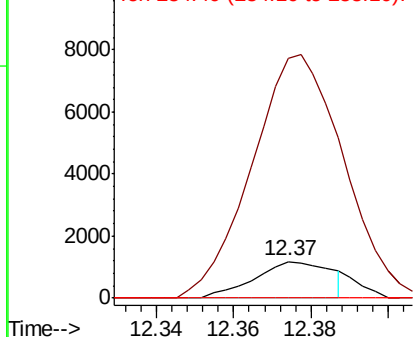


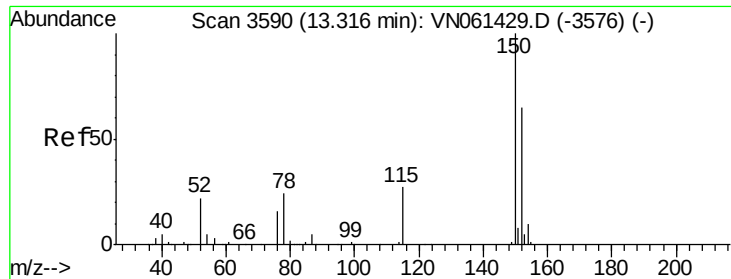
#71
Bromoform
Concen: 2.578 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN061456.D
Acq: 19 May 2020 3:49

Tgt Ion:173 Resp: 1612
Ion Ratio Lower Upper
173 100
175 689.7 23.9 71.8#
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061456.D

Acq: 19 May 2020 3:49

Instrument :

MSVOA_N

ClientSampleId :

Z4-TB11-200514

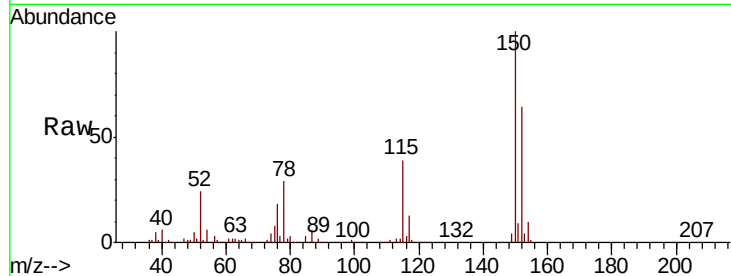
Tot Ion:152 Resp: 213191

Ion Ratio Lower Upper

152 100

115 62.2 30.9 92.5

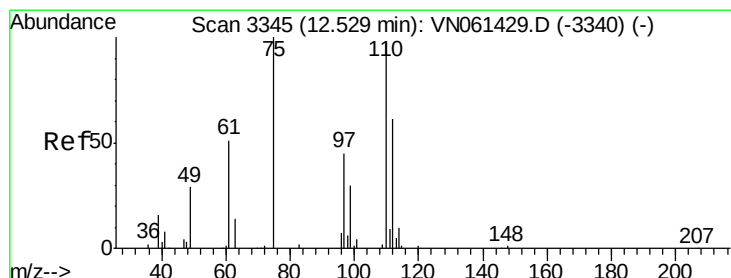
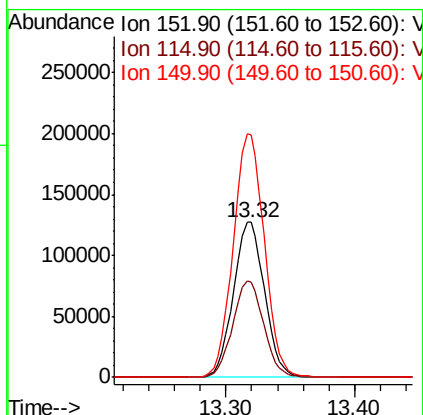
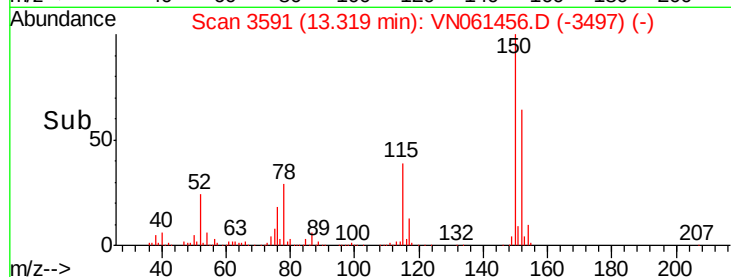
150 157.7 0.0 349.2



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: 27.690 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061456.D

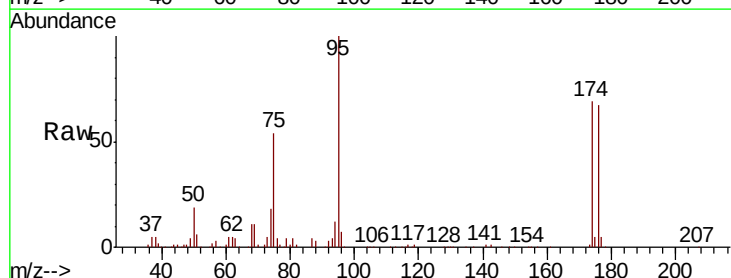
Acq: 19 May 2020 3:49

Tgt Ion: 75 Resp: 126670

Ion Ratio Lower Upper

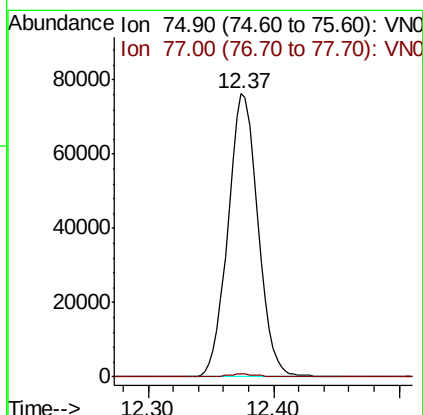
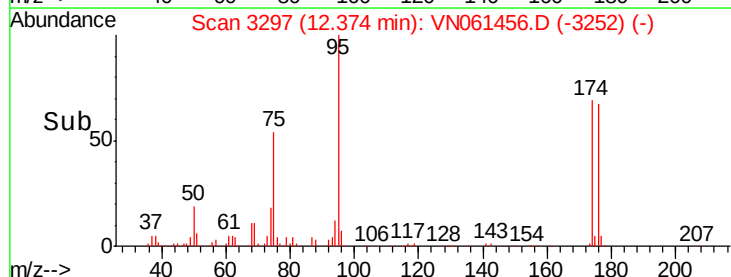
75 100

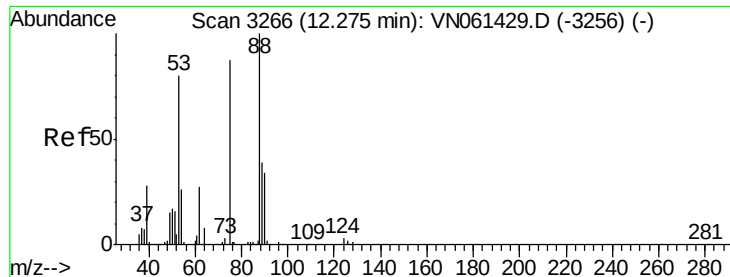
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 73.456 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN061456.D

Acq: 19 May 2020 3:49

Instrument :

MSVOA_N

ClientSampleId :

Z4-TB11-200514

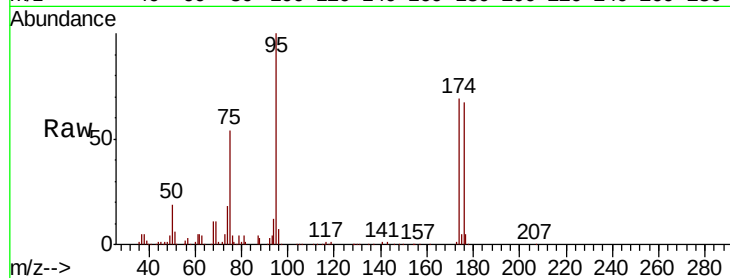
Tot Ion: 75 Resp: 126670

Ion Ratio Lower Upper

75 100

53 0.0 75.2 112.8#

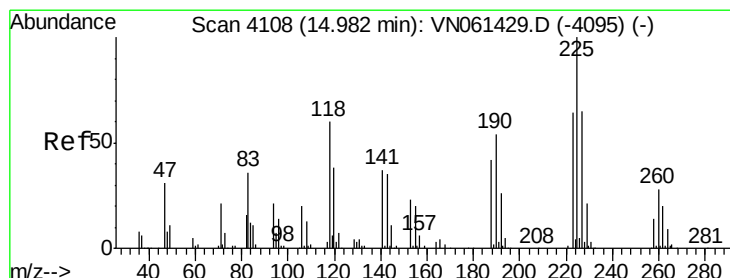
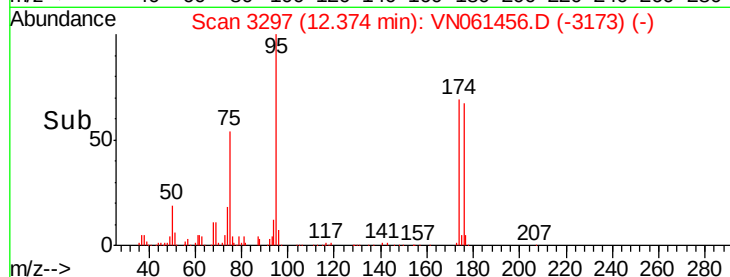
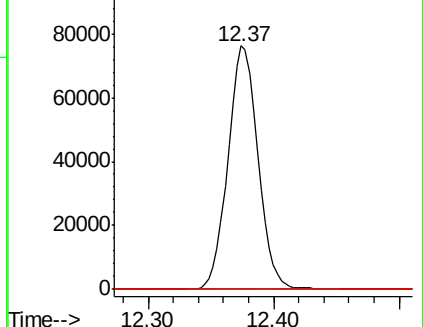
89 0.0 38.2 57.4#



Abundance Ion 74.90 (74.60 to 75.60): VN061429.D (-3256) (-)

Ion 53.00 (52.70 to 53.70): VN061429.D (-3256) (-)

Ion 88.90 (88.60 to 89.60): VN061429.D (-3256) (-)



#94

Hexachlorobutadiene

Concen: 0.457 ug/l

RT: 14.98 min Scan# 4108

Delta R.T. -0.00 min

Lab File: VN061456.D

Acq: 19 May 2020 3:49

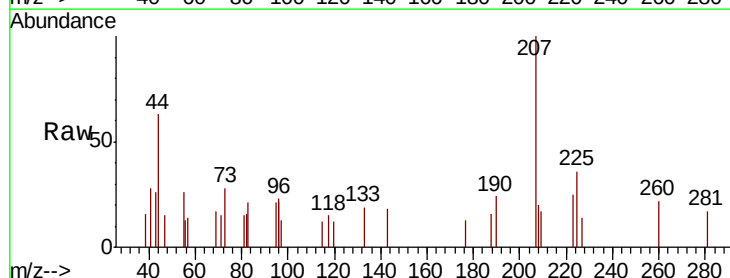
Tgt Ion: 225 Resp: 718

Ion Ratio Lower Upper

225 100

223 67.3 31.9 95.7

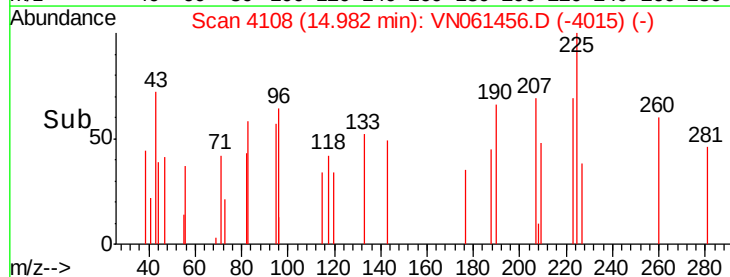
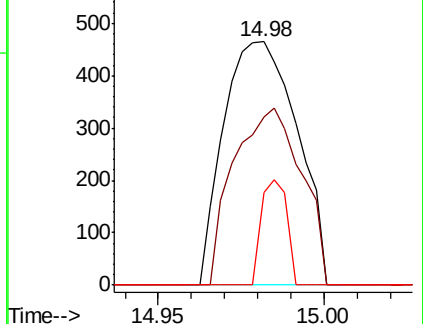
227 14.9 31.5 94.5#

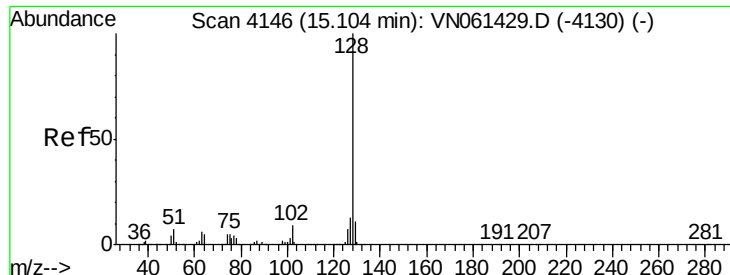


Abundance Ion 224.70 (224.40 to 225.40): VN061429.D (-4095) (-)

Ion 222.70 (222.40 to 223.40): VN061429.D (-4095) (-)

Ion 226.70 (226.40 to 227.40): VN061429.D (-4095) (-)





#95

Naphthalene

Concen: 0.263 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN061456.D

Acq: 19 May 2020 3:49

Instrument :

MSVOA_N

ClientSampleId :

Z4-TB11-200514

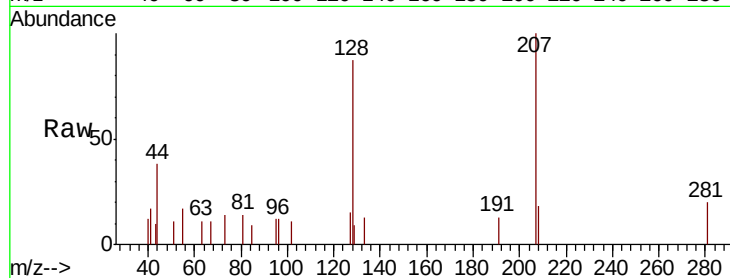
Tot Ion:128 Resp: 2953

Ion Ratio Lower Upper

128 100

127 11.8 10.1 15.1

129 4.8 8.6 13.0#



Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

