

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052120\
 Data File : VN061526.D
 Acq On : 21 May 2020 13:31
 Operator : JC/MD
 Sample : L2506-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 22 07:14:29 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	284109	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	510222	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	495738	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	215004	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	185028	43.64	ug/l	0.00
Spiked Amount			Recovery	=	87.28%	
35) Dibromofluoromethane	7.55	113	142110	53.17	ug/l	0.00
Spiked Amount			Recovery	=	106.34%	
50) Toluene-d8	10.06	98	626834	50.56	ug/l	0.00
Spiked Amount			Recovery	=	101.12%	
62) 4-Bromofluorobenzene	12.37	95	232557	50.21	ug/l	0.00
Spiked Amount			Recovery	=	100.42%	

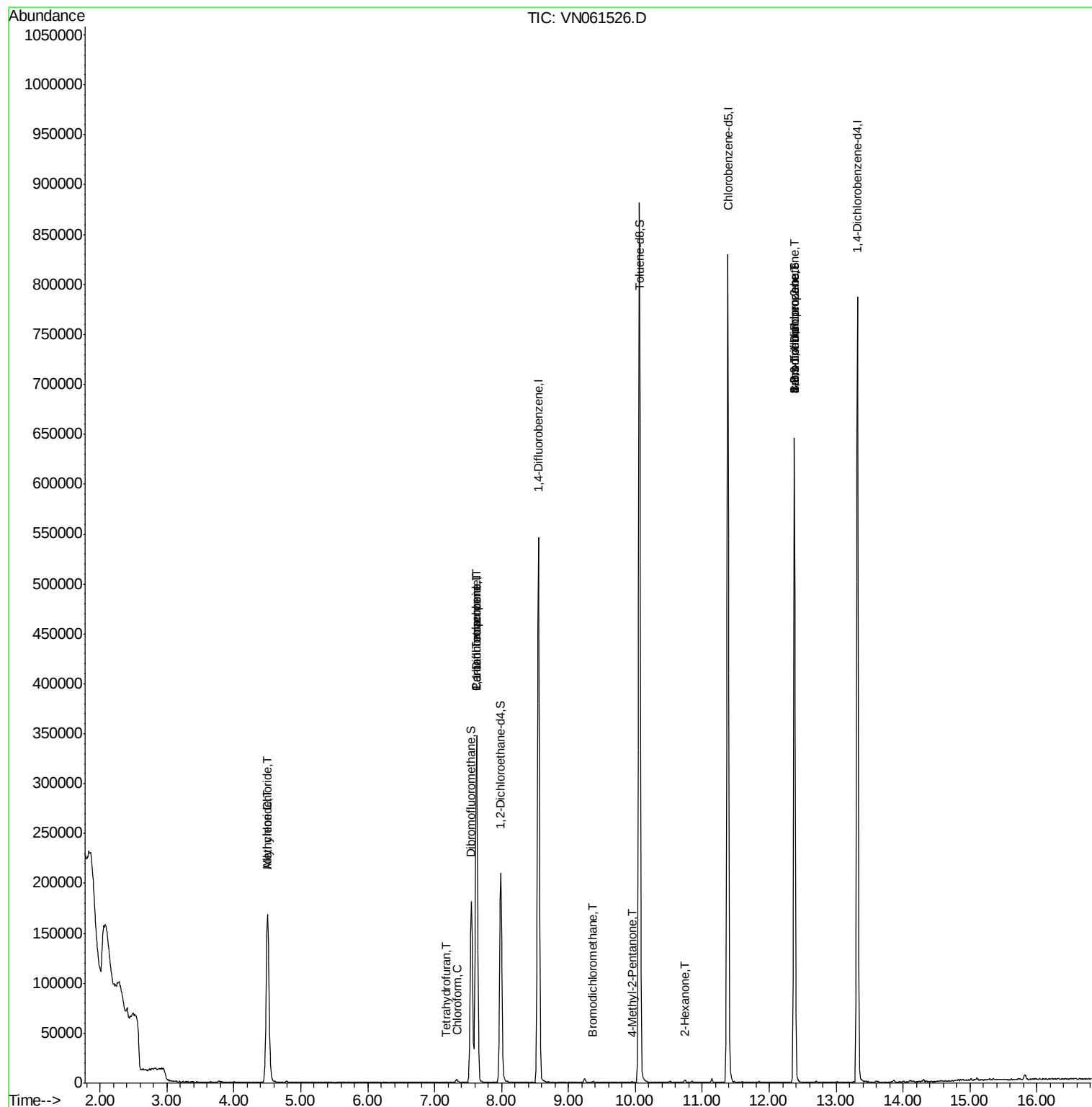
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	804	Below Cal	#	72
14) Allyl chloride	4.50	41	3653	0.771	ug/l #	20
16) Acetone	3.78	43	1872	Below Cal		97
17) Carbon Disulfide	4.00	76	639	Below Cal	#	75
18) Methyl Acetate	4.27	43	128	Below Cal	#	49
20) Methylene Chloride	4.50	84	133442	38.293	ug/l	93
29) Tetrahydrofuran	7.17	42	480	0.375	ug/l #	29
30) Chloroform	7.33	83	3363	0.518	ug/l	94
31) Cyclohexane	7.62	56	5799	Below Cal	#	1
36) 1,1-Dichloropropene	7.63	75	22460	4.708	ug/l #	49
38) Carbon Tetrachloride	7.63	117	29133	6.632	ug/l #	14
47) Bromodichloromethane	9.36	83	1120	0.211	ug/l #	83
51) 4-Methyl-2-Pentanone	9.96	43	957	0.233	ug/l #	62
59) 2-Hexanone	10.74	43	876	0.295	ug/l #	22
71) Bromoform	12.37	173	1358	2.483	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	119296	25.858	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	119296	68.596	ug/l #	12

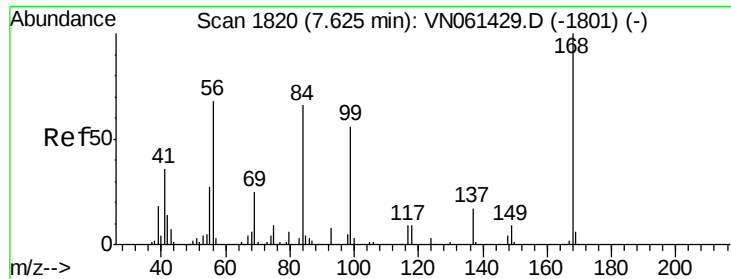
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN061526.D

Acq: 21 May 2020 13:31

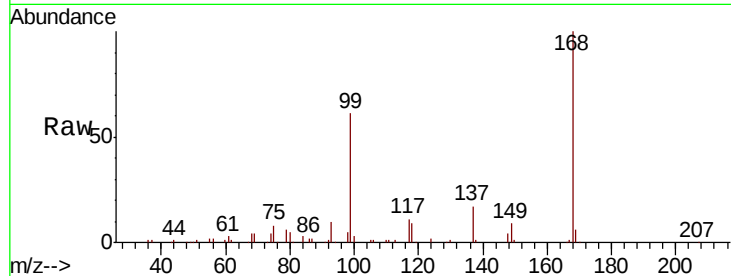
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 284109

Ion Ratio Lower Upper

168 100

99 60.8 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

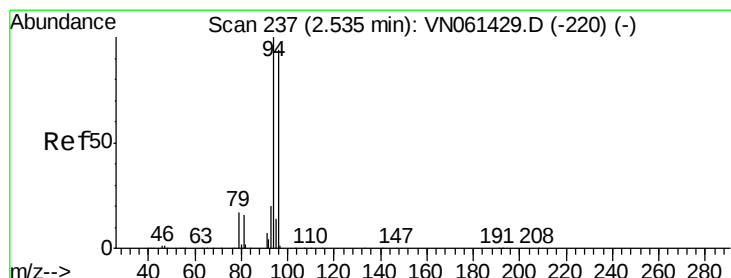
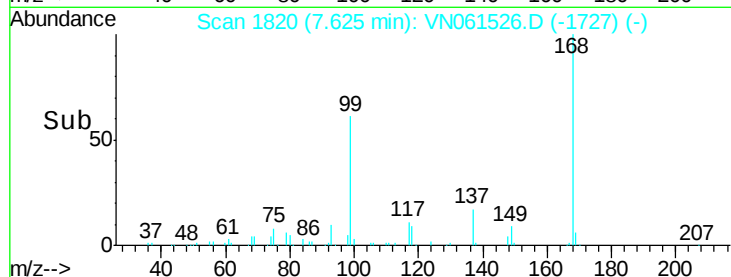
7.63

100000

50000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN061526.D

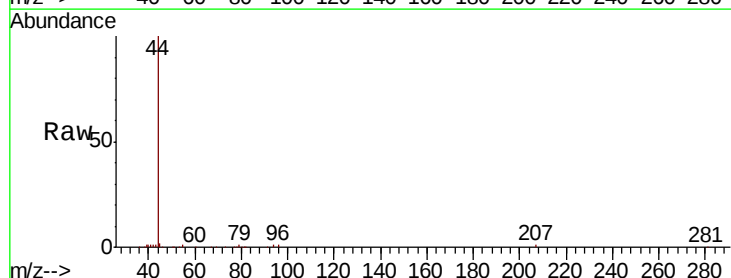
Acq: 21 May 2020 13:31

Tgt Ion: 94 Resp: 804

Ion Ratio Lower Upper

94 100

96 121.0 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.55

600

500

400

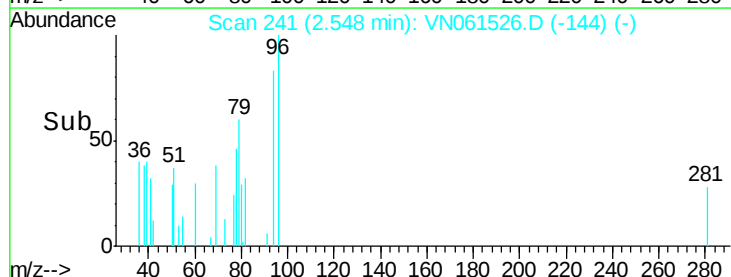
300

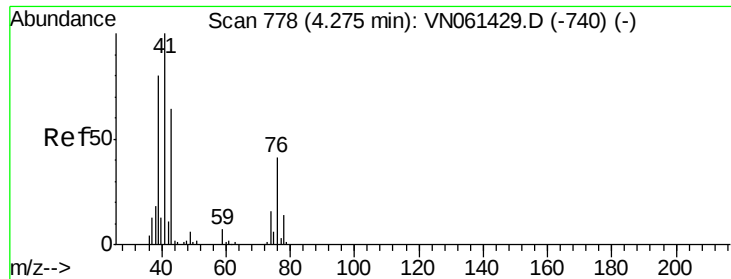
200

100

0

Time--> 2.52 2.54 2.56 2.58

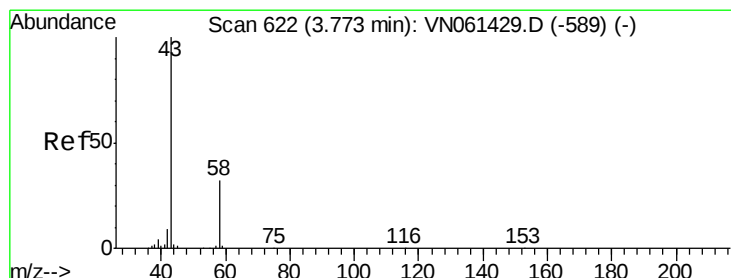
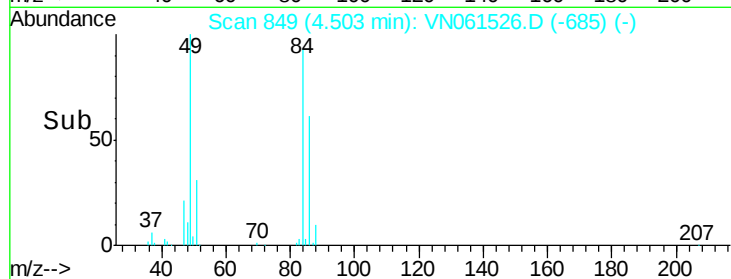
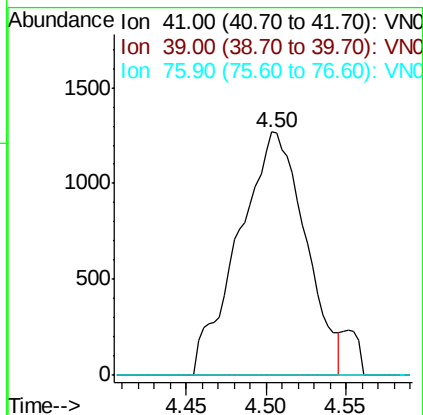
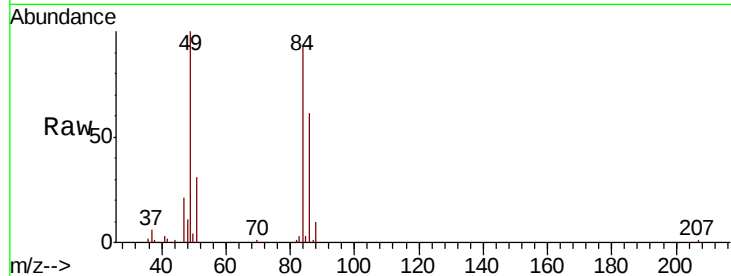




#14
Allvl chloride
Concen: 0.771 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.23 min
Lab File: VN061526.D
Acq: 21 May 2020 13:31

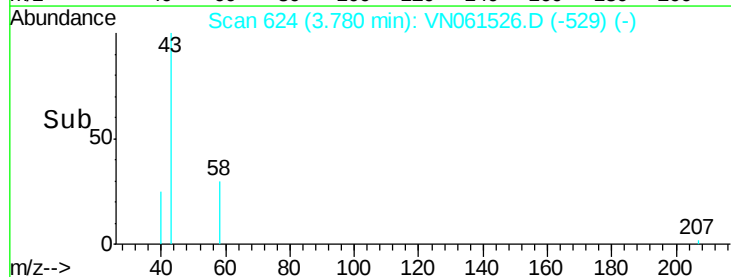
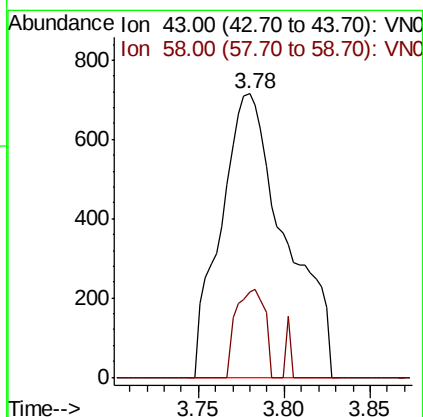
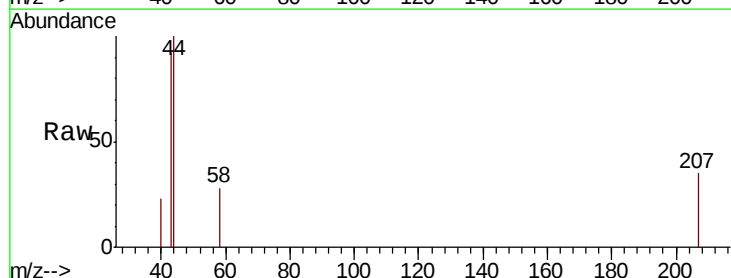
Instrument :
MSVOA_N
ClientSampleId :

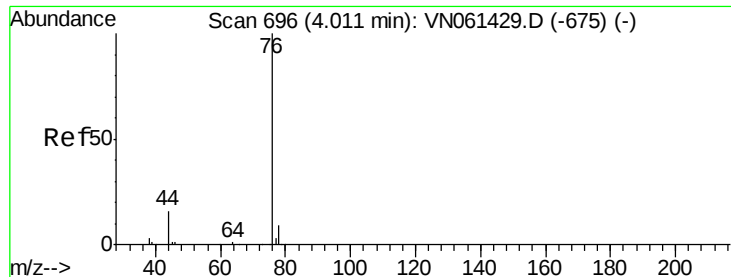
Tot Ion: 41 Resp: 3653
Ion Ratio Lower Upper
41 100
39 0.0 61.2 91.8#
76 0.0 29.9 44.9#



#16
Acetone
Concen: Below Cal
RT: 3.78 min Scan# 624
Delta R.T. 0.01 min
Lab File: VN061526.D
Acq: 21 May 2020 13:31

Tgt Ion: 43 Resp: 1872
Ion Ratio Lower Upper
43 100
58 30.2 25.6 38.4

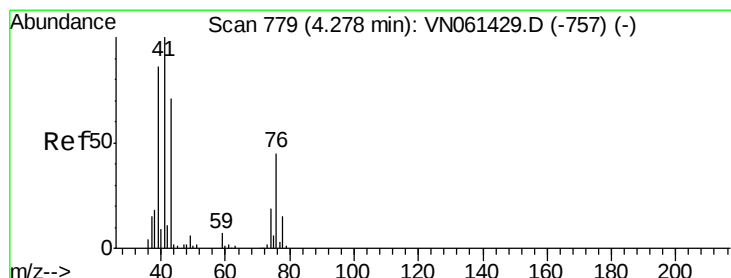
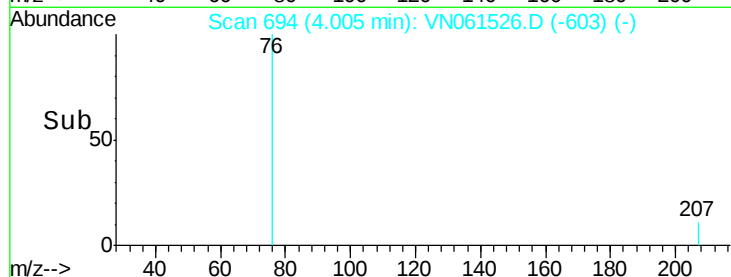
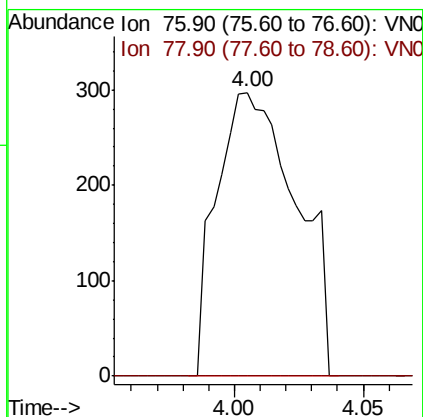
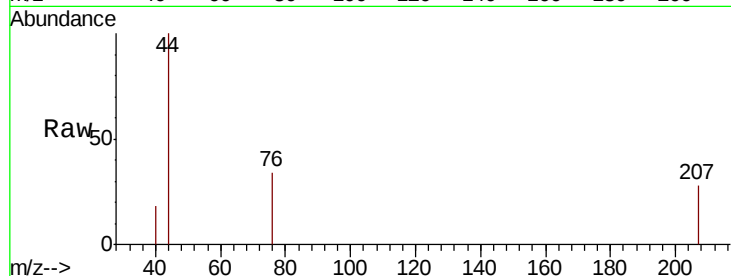




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.00 min Scan# 694
Delta R.T. -0.01 min
Lab File: VN061526.D
Acq: 21 May 2020 13:31

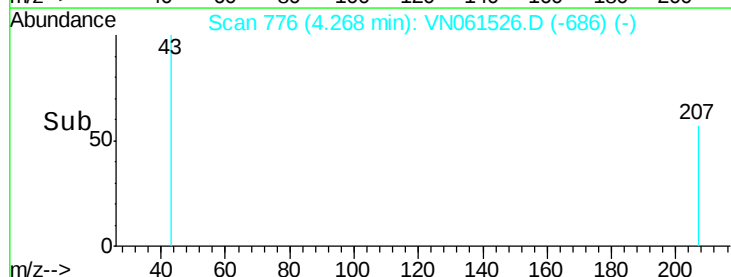
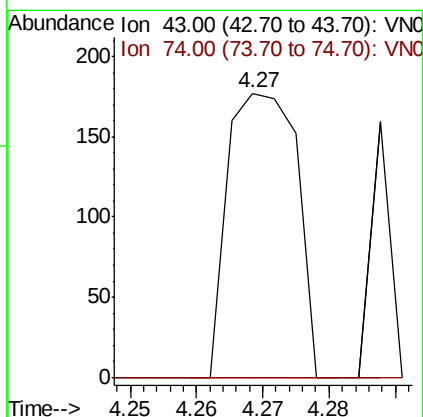
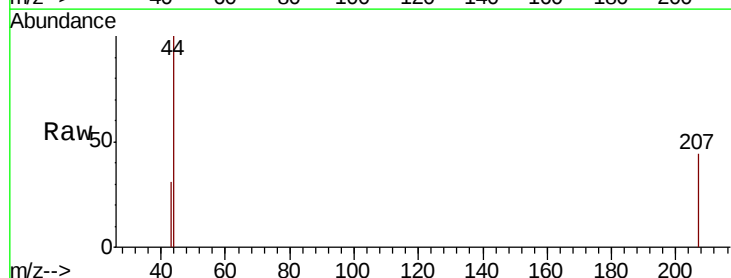
Instrument :
MSVOA_N
ClientSampled :

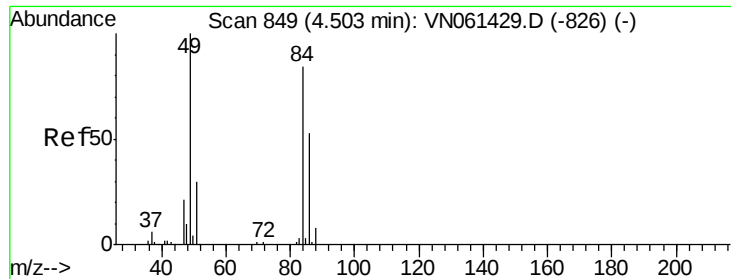
Tot Ion: 76 Resp: 639
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.27 min Scan# 776
Delta R.T. -0.01 min
Lab File: VN061526.D
Acq: 21 May 2020 13:31

Tgt Ion: 43 Resp: 128
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#

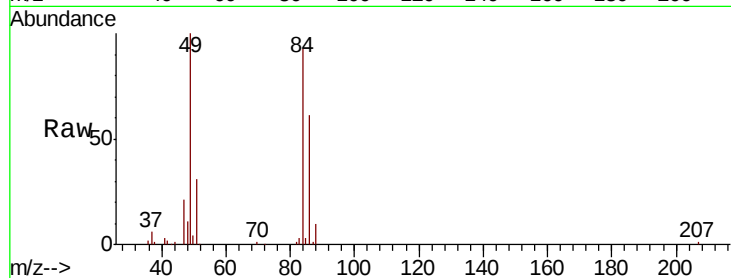




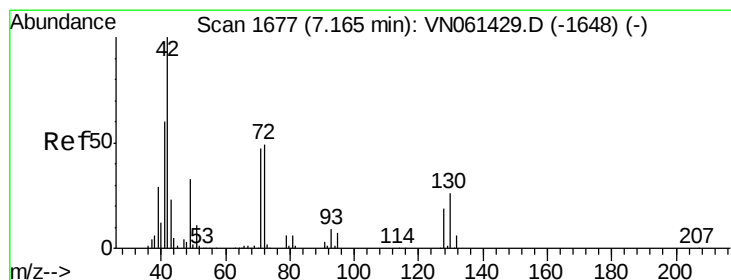
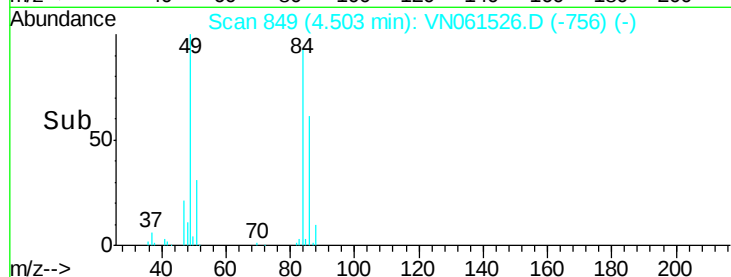
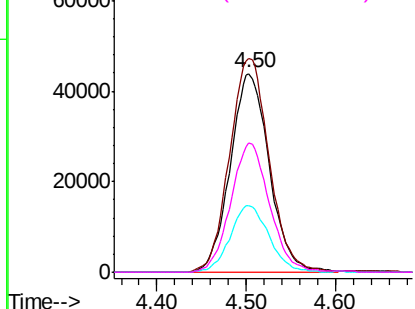
#20
Methvlene Chloride
Concen: 38.293 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN061526.D
Acq: 21 May 2020 13:31

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 133442
Ion Ratio Lower Upper
84 100
49 107.5 95.3 142.9
51 33.4 29.0 43.6
86 65.1 50.2 75.2

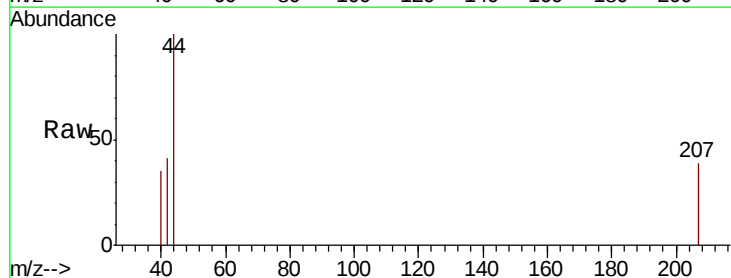


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

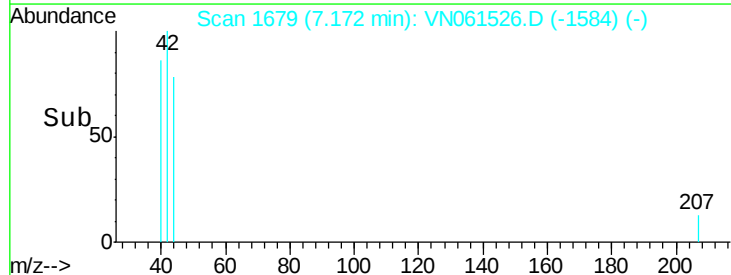
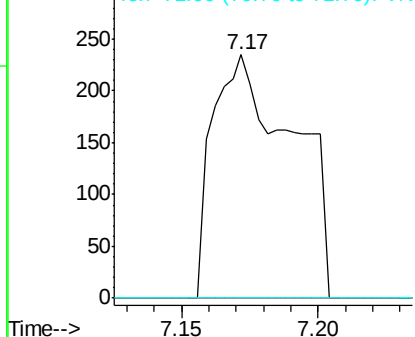


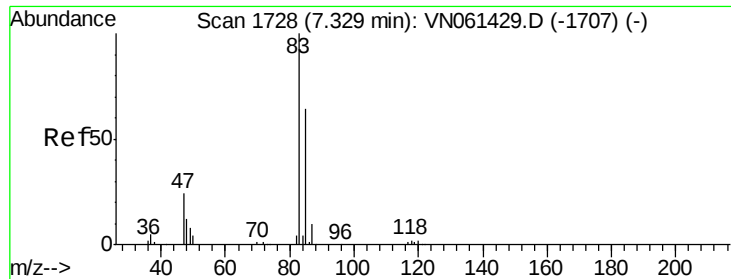
#29
Tetrahydrofuran
Concen: 0.375 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN061526.D
Acq: 21 May 2020 13:31

Tgt Ion: 42 Resp: 480
Ion Ratio Lower Upper
42 100
72 0.0 39.0 58.6#
71 0.0 36.9 55.3#



Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

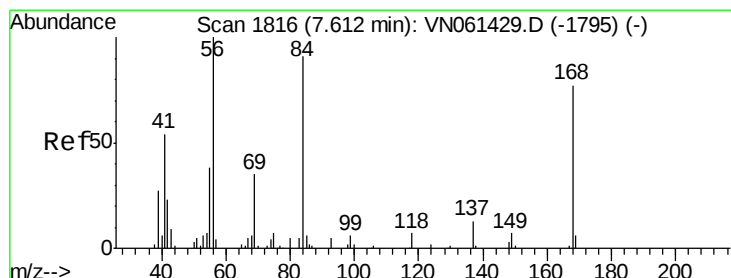
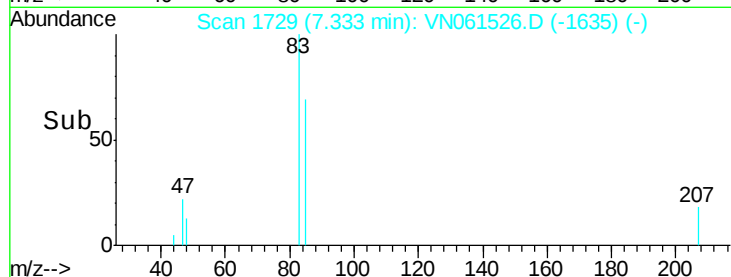
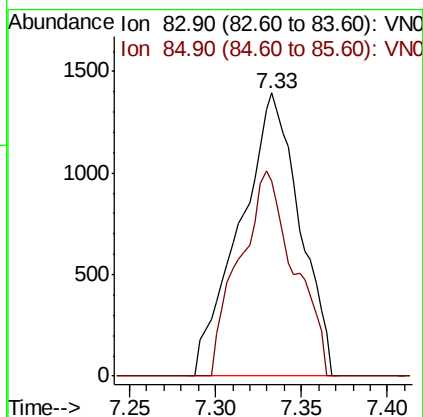
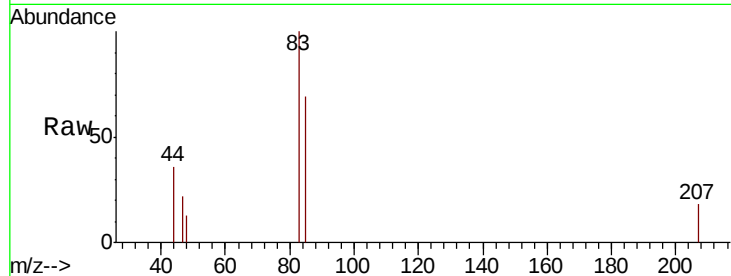




#30
Chloroform
Concen: 0.518 ug/l
RT: 7.33 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VN061526.D
Acq: 21 May 2020 13:31

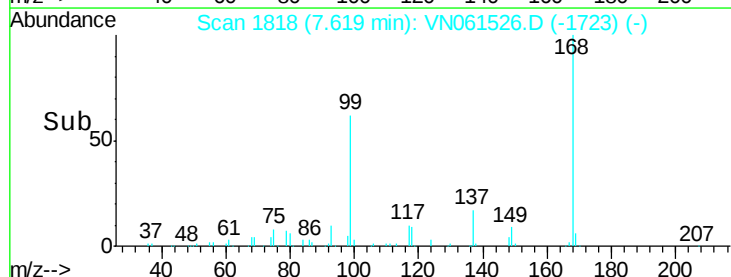
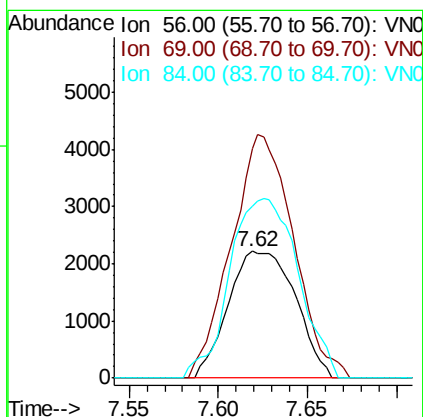
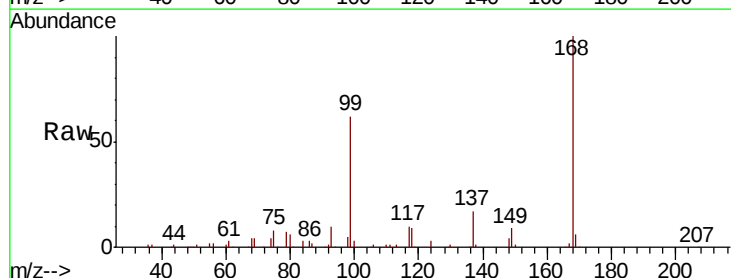
Instrument :
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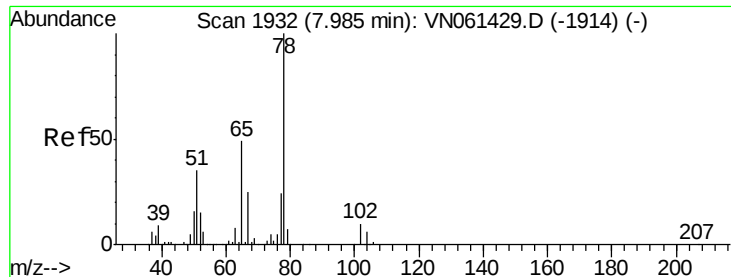
Tot Ion: 83 Resp: 3363
Ion Ratio Lower Upper
83 100
85 68.7 51.0 76.4



#31
Cyclohexane
Concen: Below Cal
RT: 7.62 min Scan# 1818
Delta R.T. 0.01 min
Lab File: VN061526.D
Acq: 21 May 2020 13:31

Tgt Ion: 56 Resp: 5799
Ion Ratio Lower Upper
56 100
69 180.6 27.8 41.6#
84 135.4 72.7 109.1#

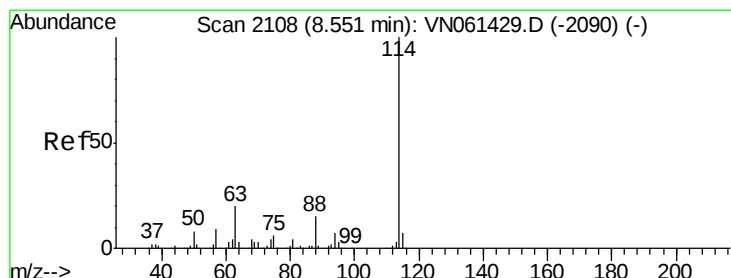
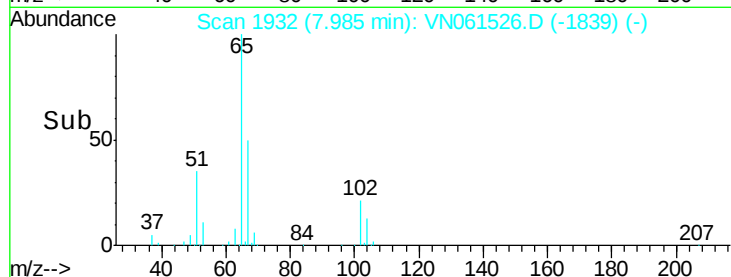
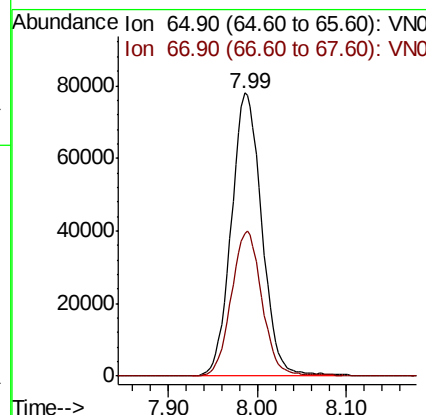
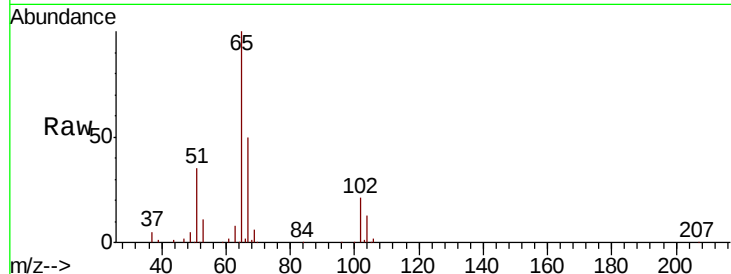




#33
 1,2-Dichloroethane-d4
 Concen: 43.637 ug/l
 RT: 7.99 min Scan# 1932
 Delta R.T. 0.00 min
 Lab File: VN061526.D
 Acq: 21 May 2020 13:31

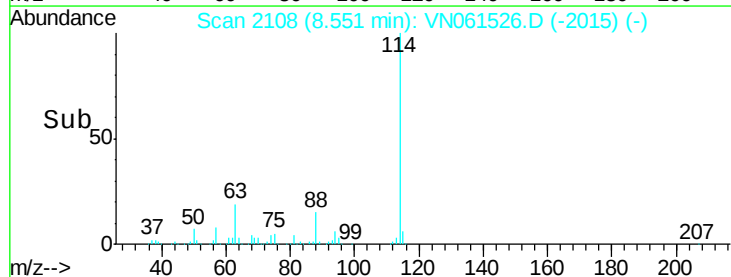
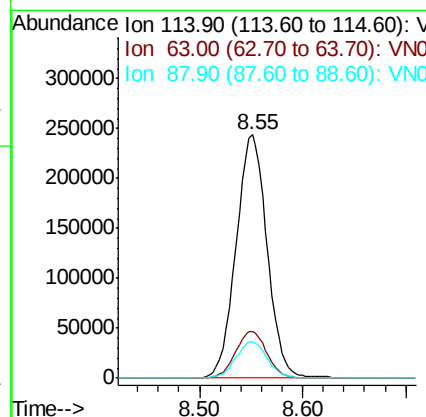
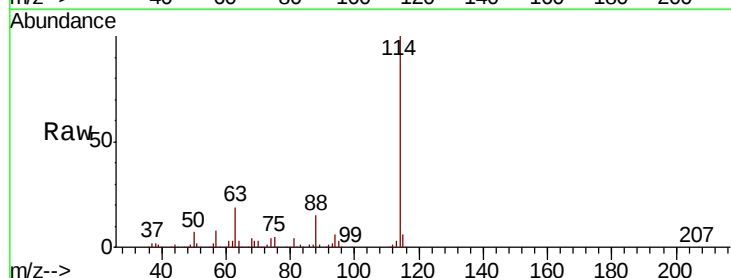
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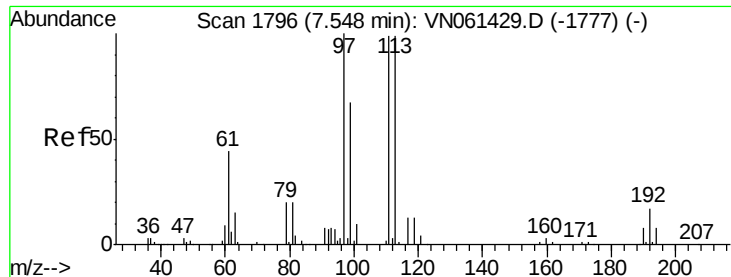
Tot Ion: 65 Resp: 185028
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061526.D
 Acq: 21 May 2020 13:31

Tgt Ion: 114 Resp: 510222
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 40.8
 88 15.1 0.0 30.8

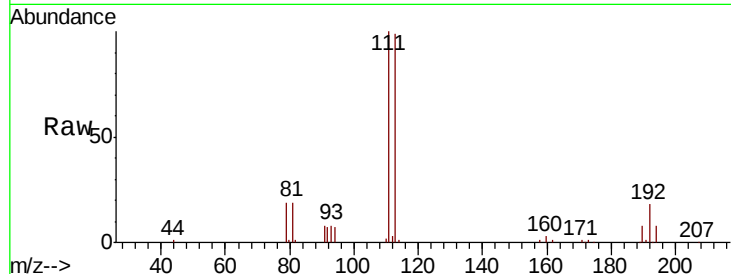




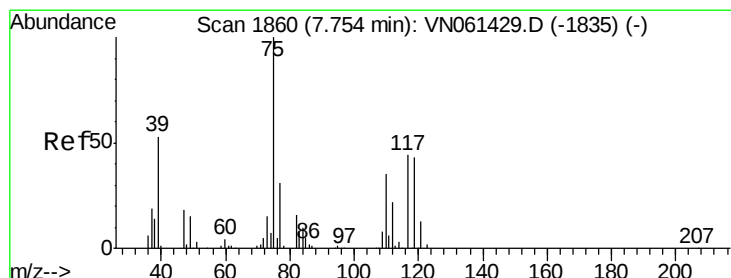
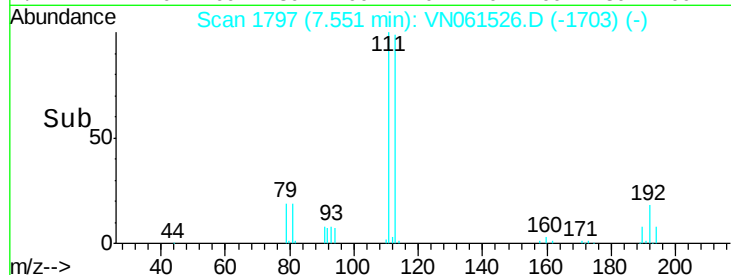
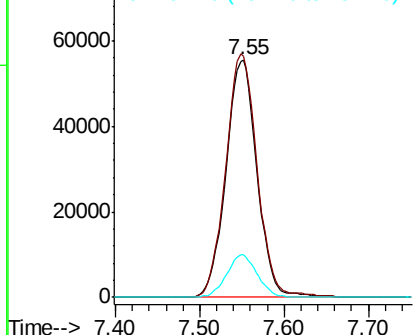
#35
 Dibromofluoromethane
 Concen: 53.167 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN061526.D
 Acq: 21 May 2020 13:31

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:113 Resp: 142110
 Ion Ratio Lower Upper
 113 100
 111 103.8 80.6 121.0
 192 17.6 13.2 19.8

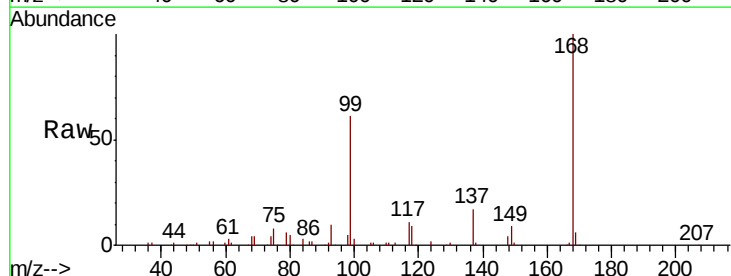


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

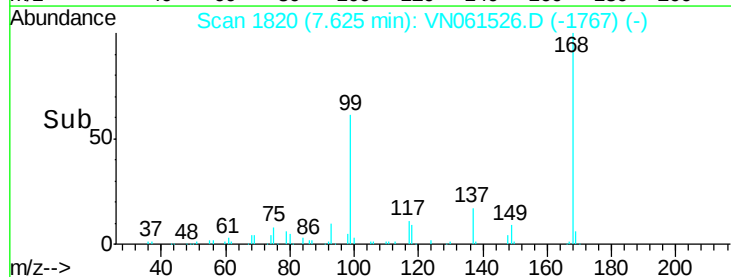
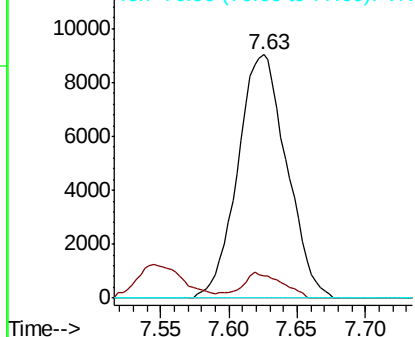


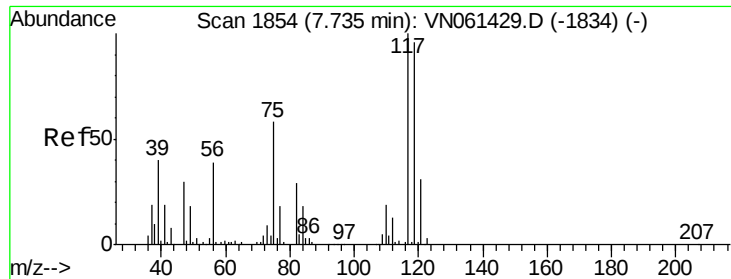
#36
 1,1-Dichloropropene
 Concen: 4.708 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061526.D
 Acq: 21 May 2020 13:31

Tgt Ion: 75 Resp: 22460
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.3 51.9#
 77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 6.632 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061526.D

Acq: 21 May 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

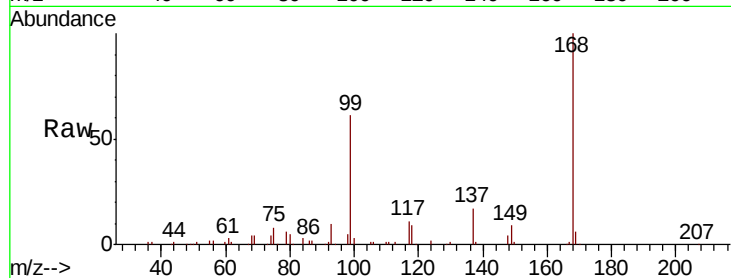
Tot Ion:117 Resp: 29133

Ion Ratio Lower Upper

117 100

119 3.2 77.0 115.6#

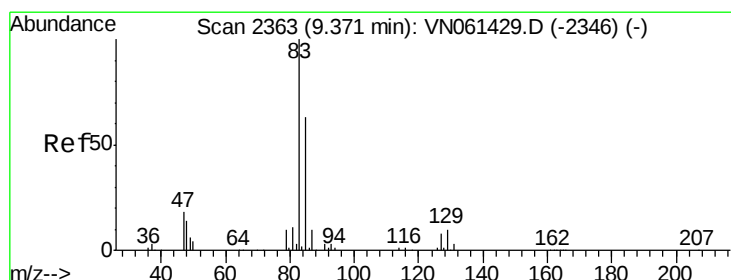
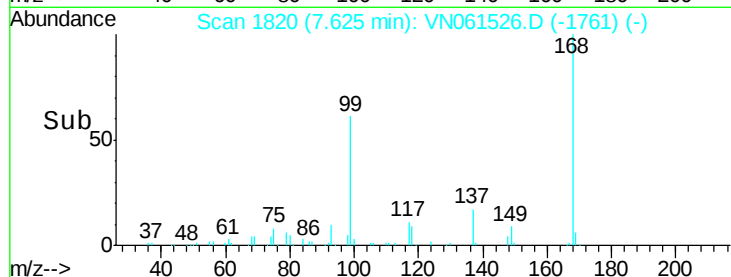
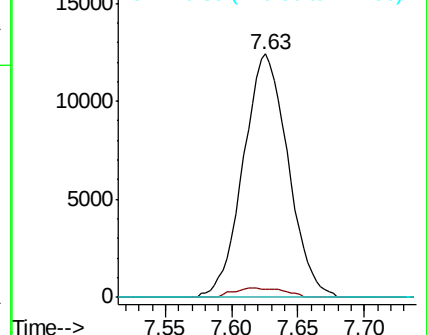
121 0.0 24.7 37.1#



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



#47

Bromodichloromethane

Concen: 0.211 ug/l

RT: 9.36 min Scan# 2361

Delta R.T. -0.01 min

Lab File: VN061526.D

Acq: 21 May 2020 13:31

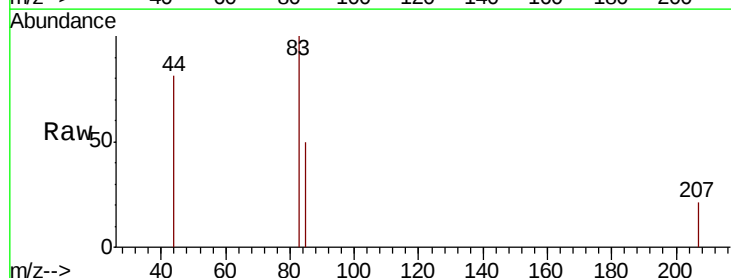
Tgt Ion: 83 Resp: 1120

Ion Ratio Lower Upper

83 100

85 50.1 50.6 76.0#

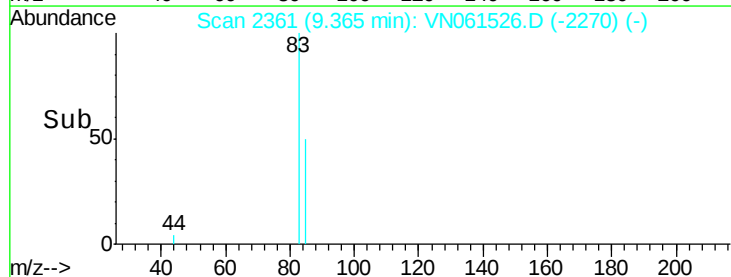
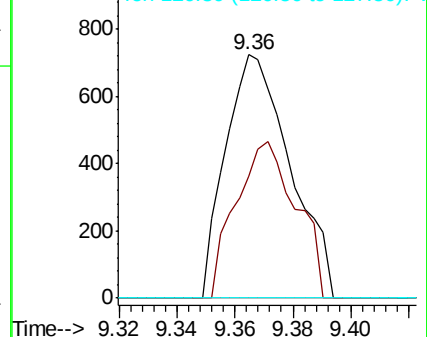
127 0.0 6.1 9.1#

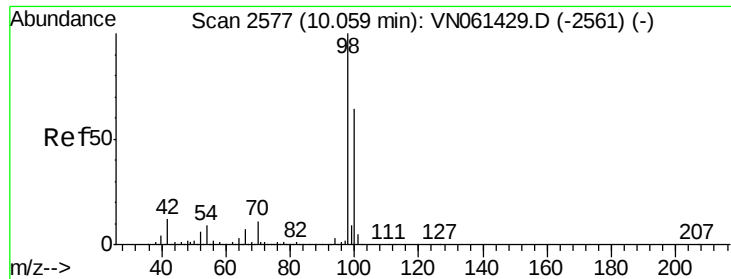


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 126.80 (126.50 to 127.50): V





#50

Toluene-d8

Concen: 50.561 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061526.D

Acq: 21 May 2020 13:31

Instrument :

MSVOA_N

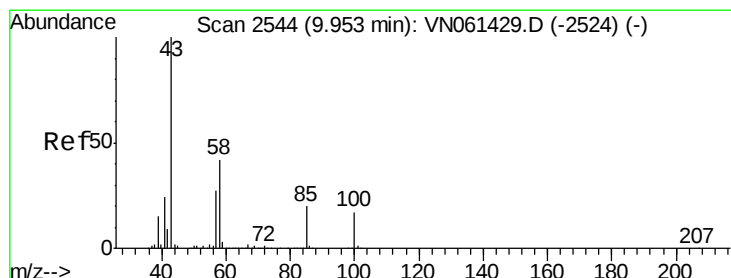
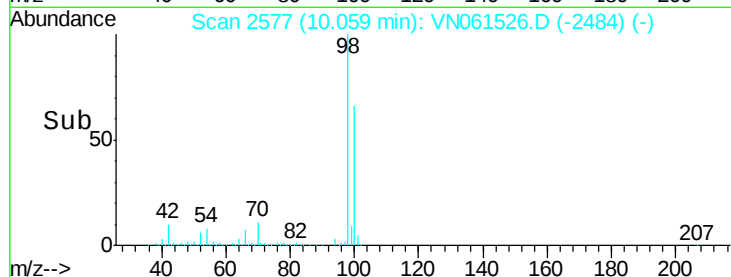
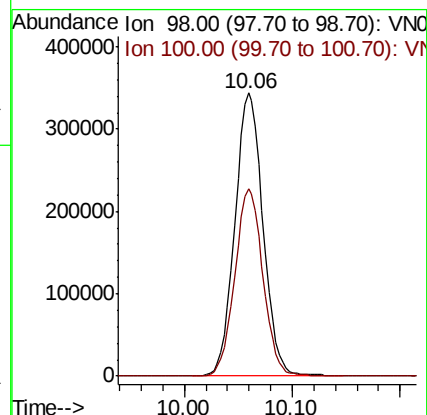
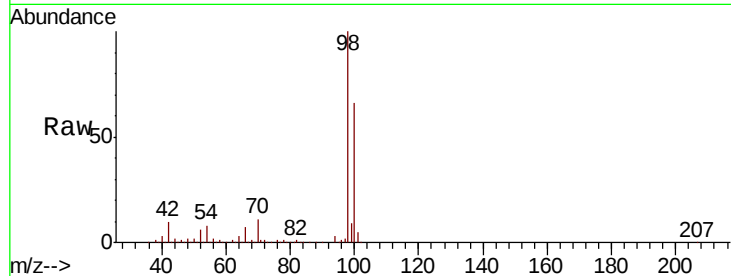
ClientSampleId :

Tot Ion: 98 Resp: 626834

Ion Ratio Lower Upper

98 100

100 66.2 51.8 77.8



#51

4-Methyl-2-Pentanone

Concen: 0.233 ug/l

RT: 9.96 min Scan# 2547

Delta R.T. 0.01 min

Lab File: VN061526.D

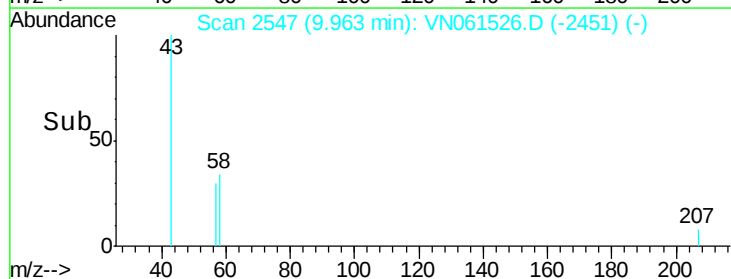
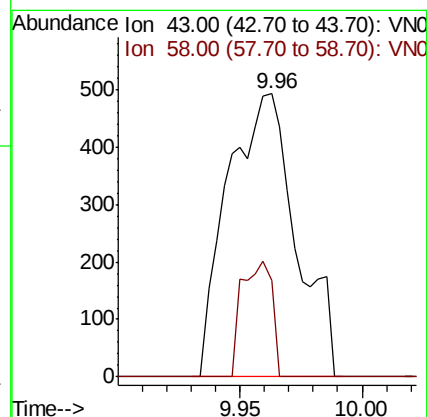
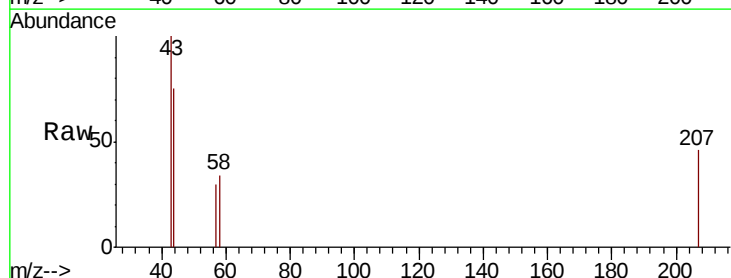
Acq: 21 May 2020 13:31

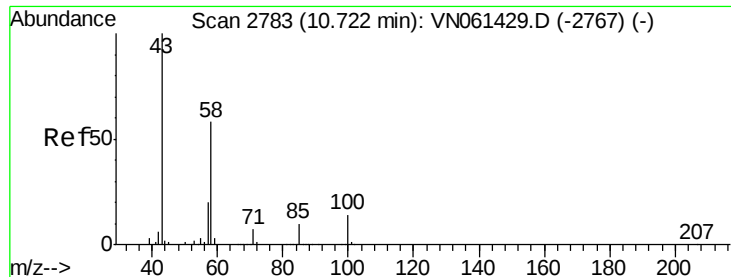
Tgt Ion: 43 Resp: 957

Ion Ratio Lower Upper

43 100

58 17.9 33.4 50.2#

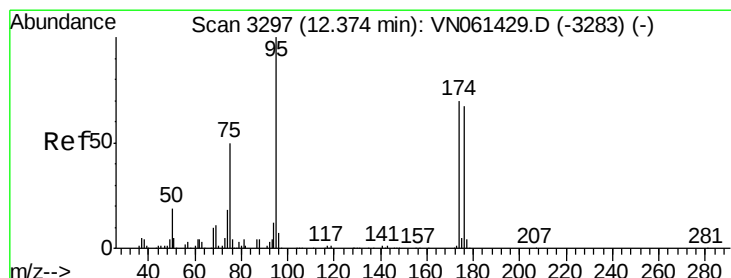
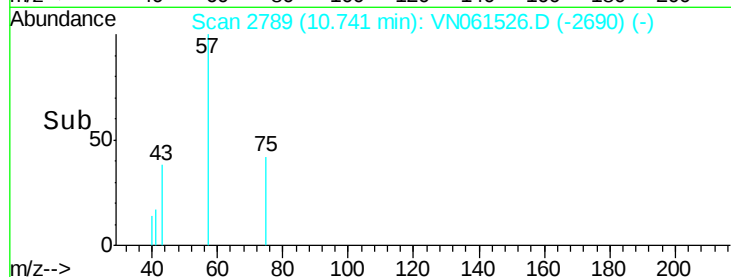
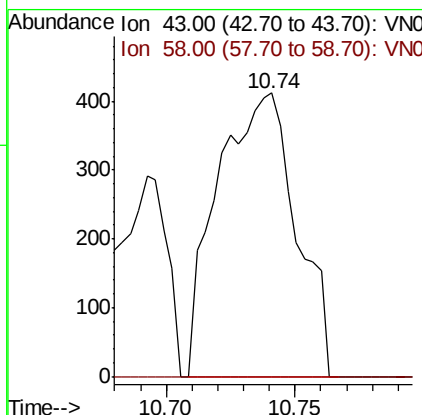
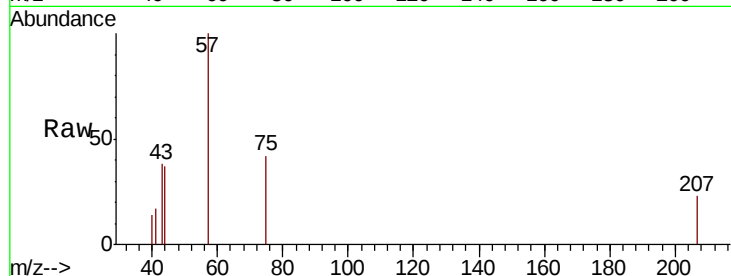




#59
2-Hexanone
Concen: 0.295 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.02 min
Lab File: VN061526.D
Acq: 21 May 2020 13:31

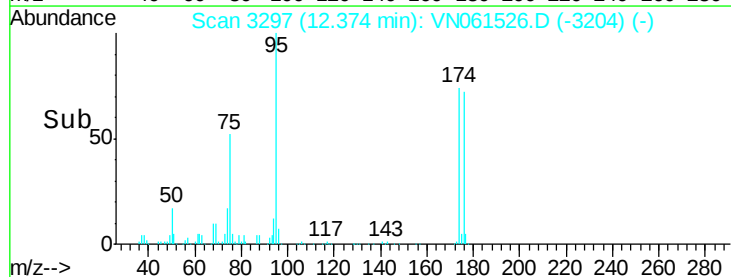
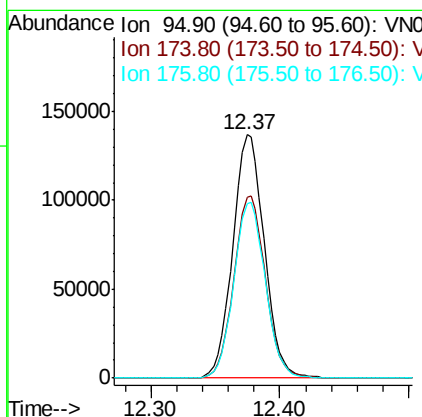
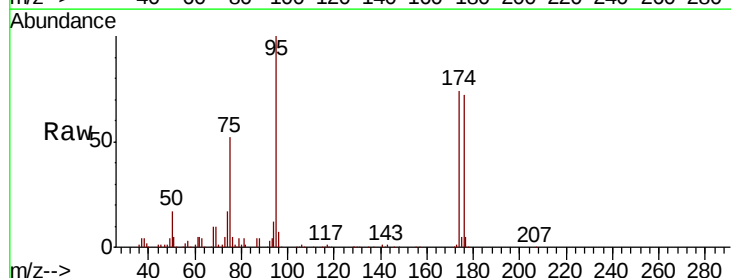
Instrument :
MSVOA_N
ClientSampleId :

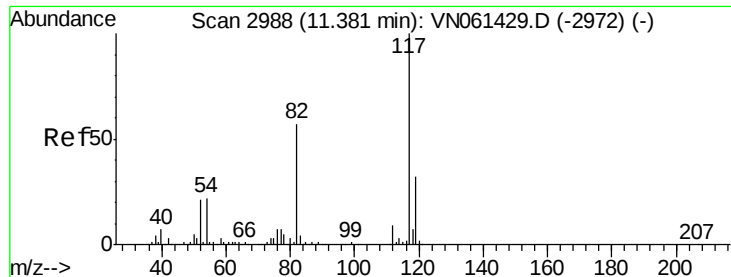
Tot Ion: 43 Resp: 876
Ion Ratio Lower Upper
43 100
58 0.0 29.2 87.6#



#62
4-Bromofluorobenzene
Concen: 50.208 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.00 min
Lab File: VN061526.D
Acq: 21 May 2020 13:31

Tgt Ion: 95 Resp: 232557
Ion Ratio Lower Upper
95 100
174 74.9 0.0 141.2
176 72.4 0.0 137.6

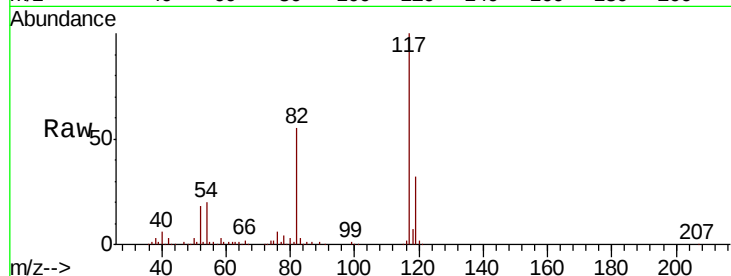




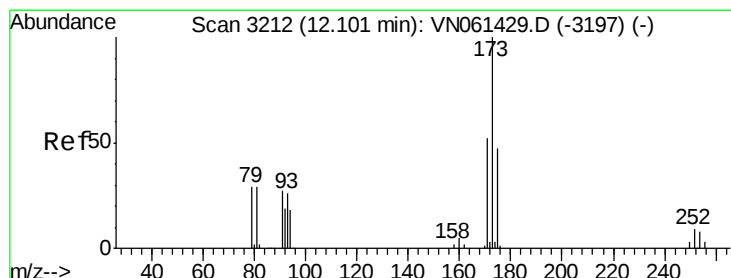
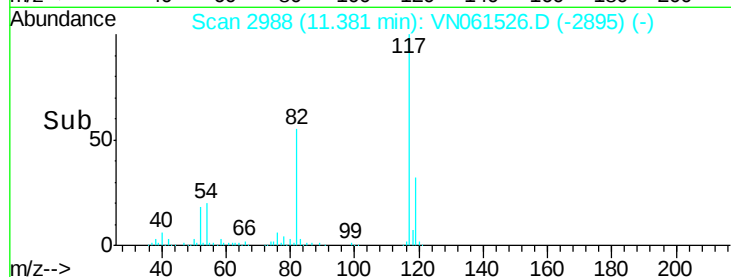
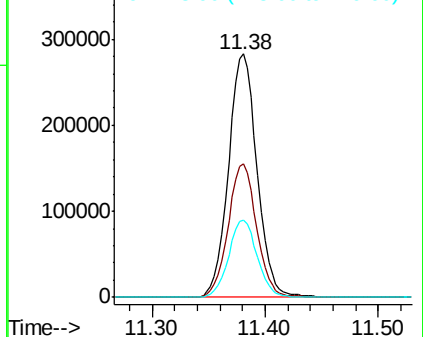
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061526.D
Acq: 21 May 2020 13:31

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 495738
Ion Ratio Lower Upper
117 100
82 54.8 45.2 67.8
119 31.8 25.3 37.9

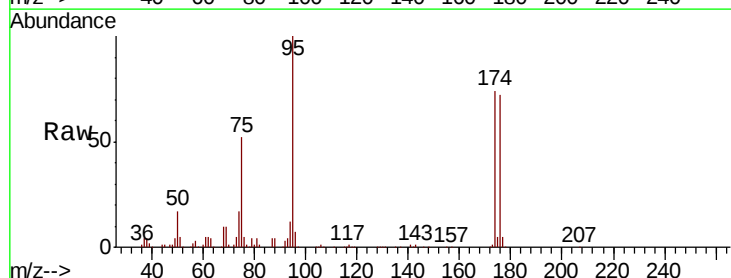


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

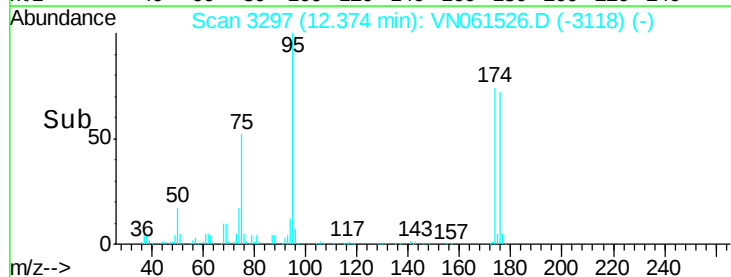
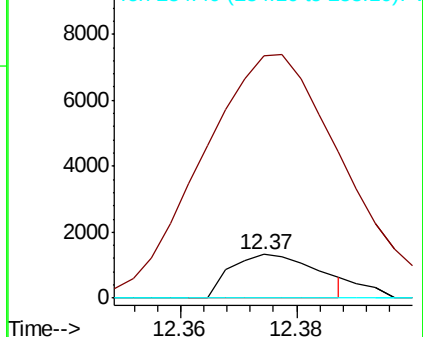


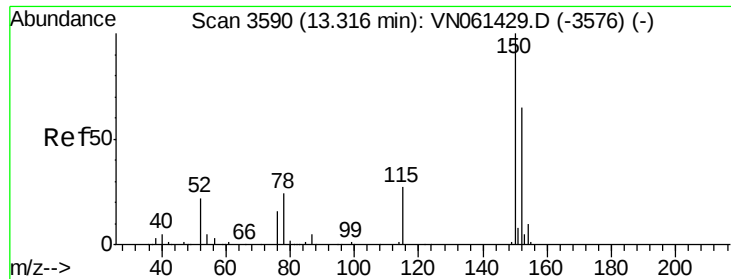
#71
Bromoform
Concen: 2.483 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN061526.D
Acq: 21 May 2020 13:31

Tgt Ion:173 Resp: 1358
Ion Ratio Lower Upper
173 100
175 798.5 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# 3590

Delta R.T. 0.00 min

Lab File: VN061526.D

Acq: 21 May 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

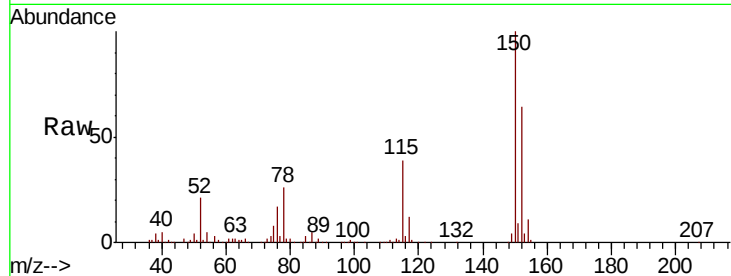
Tot Ion:152 Resp: 215004

Ion Ratio Lower Upper

152 100

115 60.1 30.9 92.5

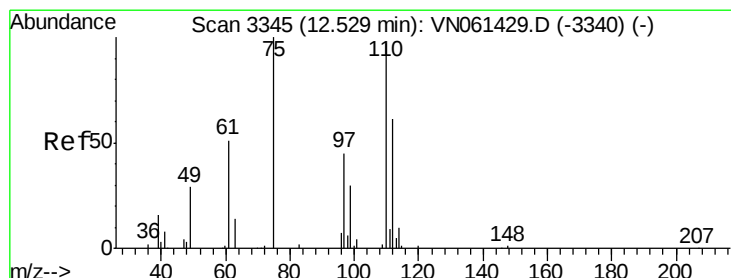
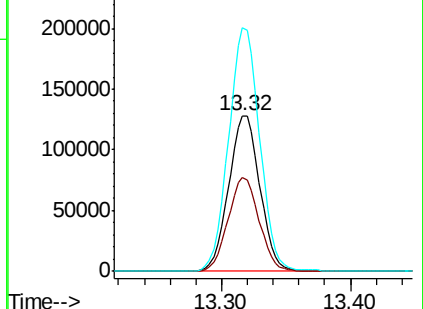
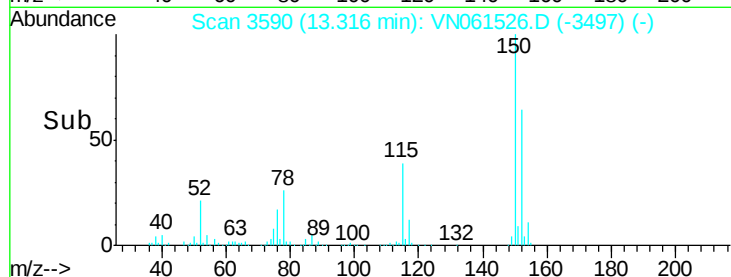
150 155.7 0.0 349.2



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: 25.858 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061526.D

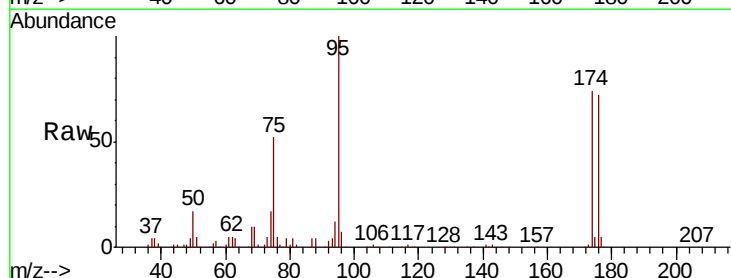
Acq: 21 May 2020 13:31

Tgt Ion: 75 Resp: 119296

Ion Ratio Lower Upper

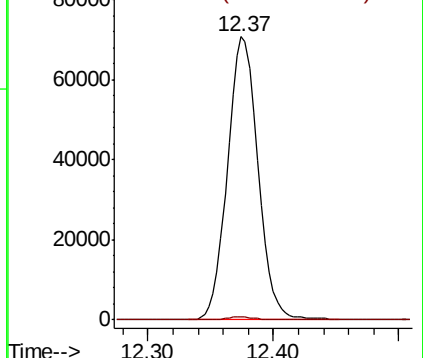
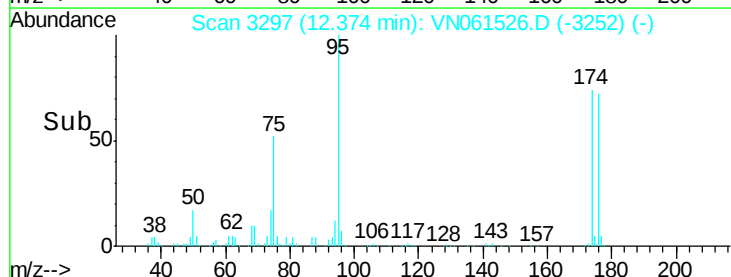
75 100

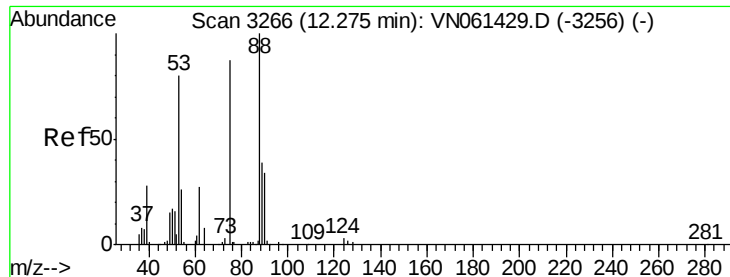
77 1.0 0.0 0.0#



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: 68.596 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN061526.D

Acq: 21 May 2020 13:31

Instrument :

MSVOA_N

ClientSampleId :

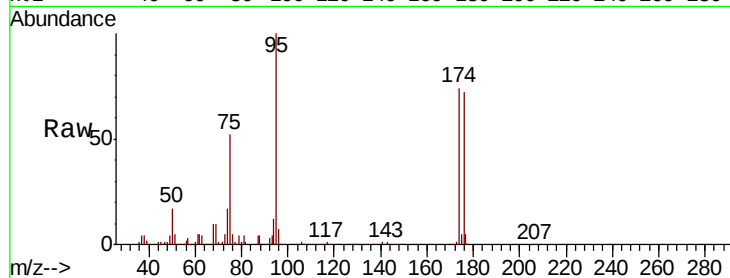
Tot Ion: 75 Resp: 119296

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

