

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052020\
 Data File : VN061509.D
 Acq On : 20 May 2020 18:37
 Operator : JC/MD
 Sample : L2720-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S32-0695

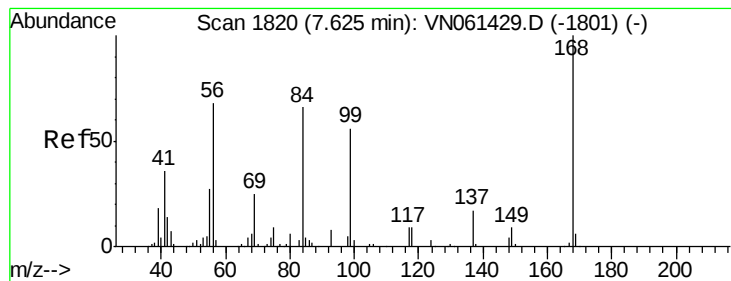
Quant Time: May 21 01:13:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N051820W.M
 Quant Title : SW846 8260
 QLast Update : Mon May 18 13:09:55 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	282984	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	513986	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	498294	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	216964	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	186343	44.12	ug/l	0.00
Spiked Amount			Recovery	=	88.24%	
35) Dibromofluoromethane	7.55	113	147376	54.73	ug/l	0.00
Spiked Amount			Recovery	=	109.46%	
50) Toluene-d8	10.06	98	640782	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	12.37	95	239164	51.26	ug/l	0.00
Spiked Amount			Recovery	=	102.52%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.53	94	143	Below Cal	#	3
16) Acetone	3.78	43	1961	Below Cal		99
17) Carbon Disulfide	4.01	76	517	Below Cal	#	75
18) Methyl Acetate	4.09	43	238	Below Cal	#	49
31) Cyclohexane	7.62	56	5845	Below Cal	#	11
36) 1,1-Dichloropropene	7.62	75	22419	4.665	ug/l #	50
38) Carbon Tetrachloride	7.63	117	29250	6.610	ug/l #	16
71) Bromoform	12.38	173	1697	2.595	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	122374	26.286	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	122374	69.730	ug/l #	12

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061509.D

Acq: 20 May 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

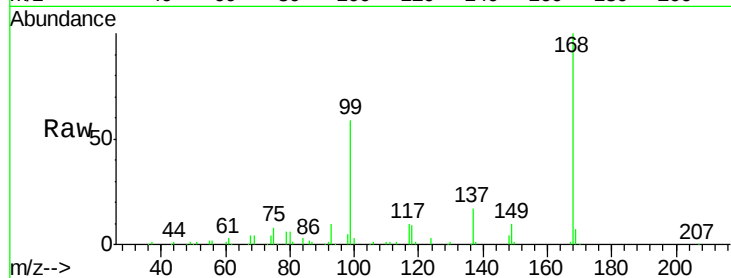
S32-0695

Tot Ion:168 Resp: 282984

Ion Ratio Lower Upper

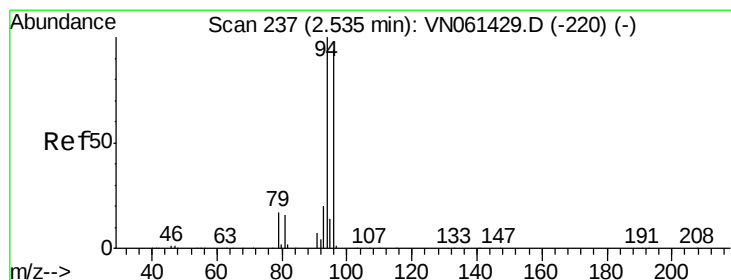
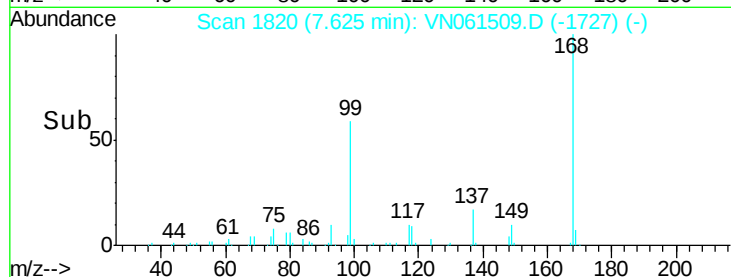
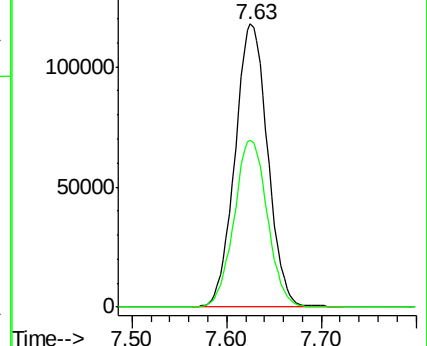
168 100

99 59.1 51.1 76.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#5

Bromomethane

Concen: Below Cal

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN061509.D

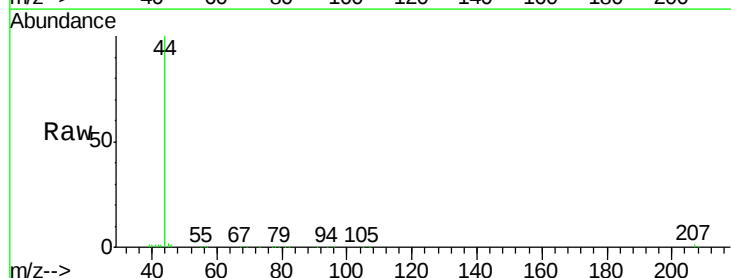
Acq: 20 May 2020 18:37

Tgt Ion: 94 Resp: 143

Ion Ratio Lower Upper

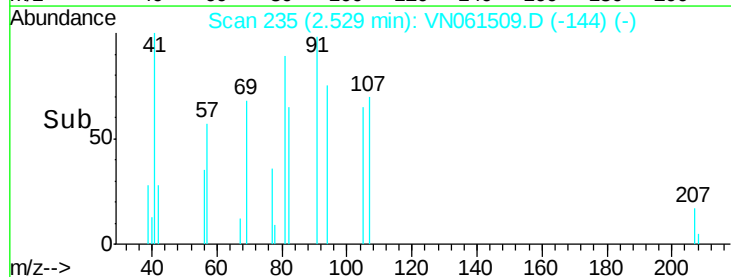
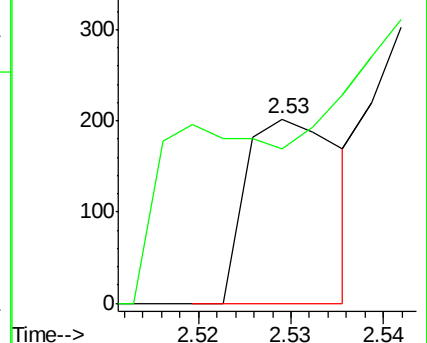
94 100

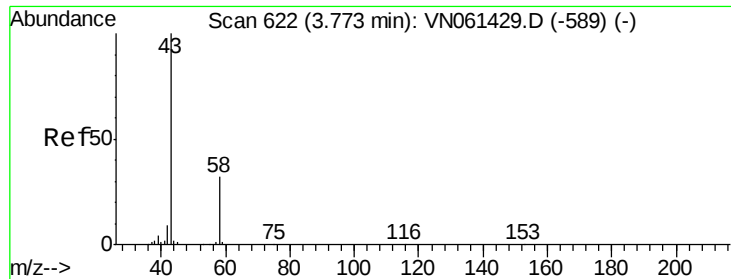
96 0.0 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO





#16

Acetone

Concen: Below Cal

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN061509.D

Acq: 20 May 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

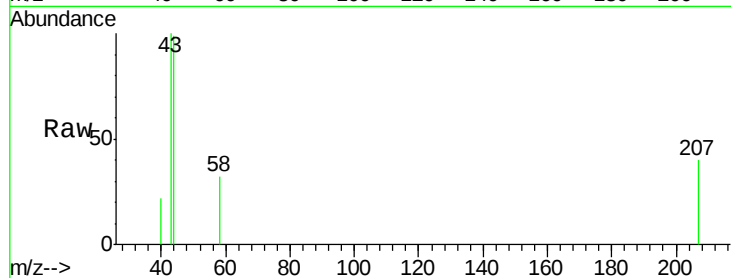
S32-0695

Tot Ion: 43 Resp: 1961

Ion Ratio Lower Upper

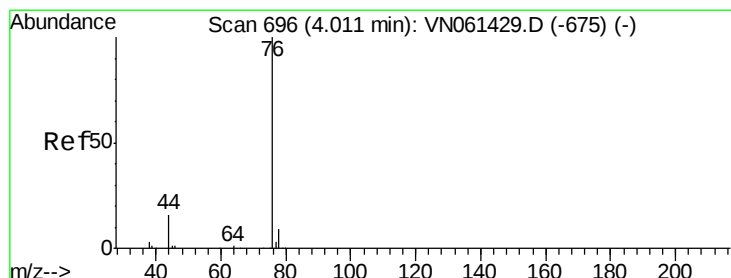
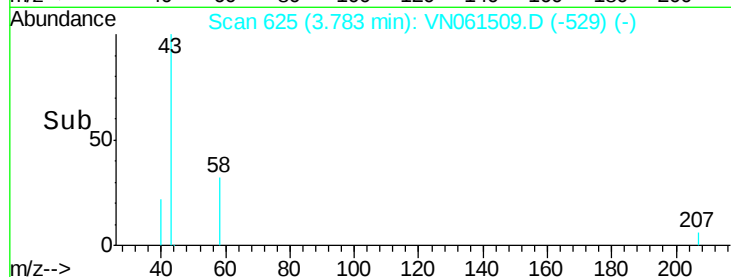
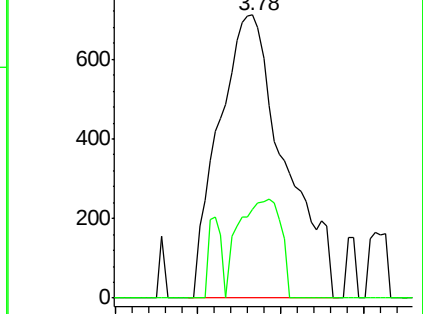
43 100

58 31.5 25.6 38.4



Abundance Ion 43.00 (42.70 to 43.70): VN061509.D (-529) (-)

Ion 58.00 (57.70 to 58.70): VN061509.D (-529) (-)



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN061509.D

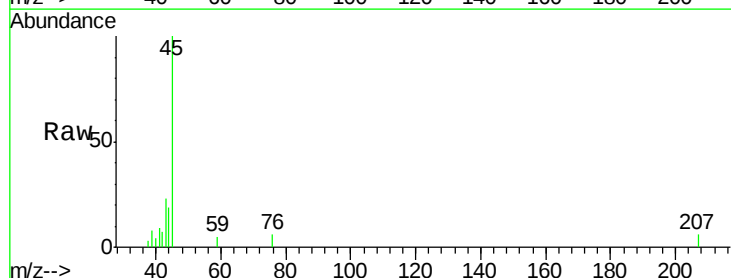
Acq: 20 May 2020 18:37

Tgt Ion: 76 Resp: 517

Ion Ratio Lower Upper

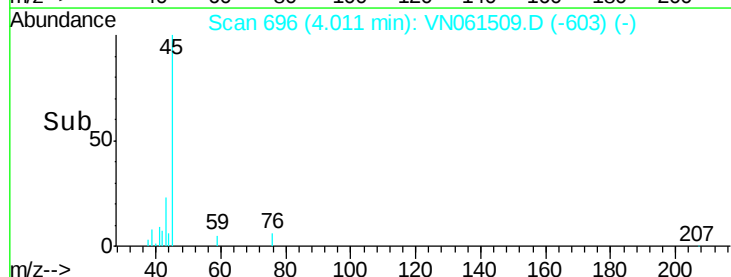
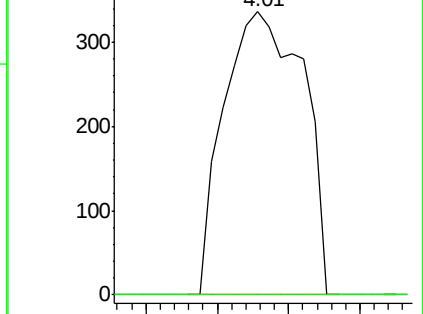
76 100

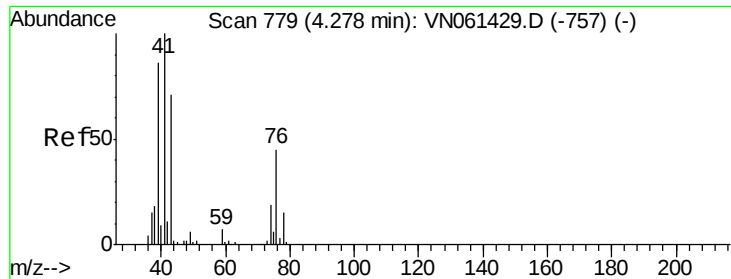
78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN061509.D (-603) (-)

Ion 77.90 (77.60 to 78.60): VN061509.D (-603) (-)

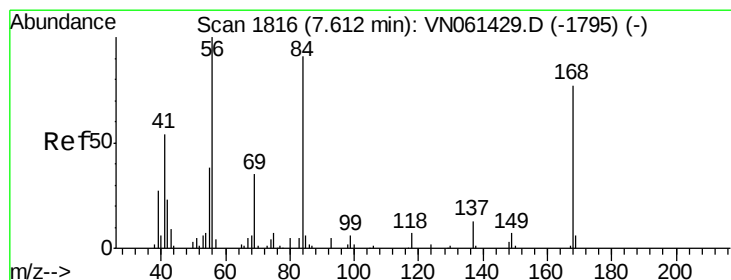
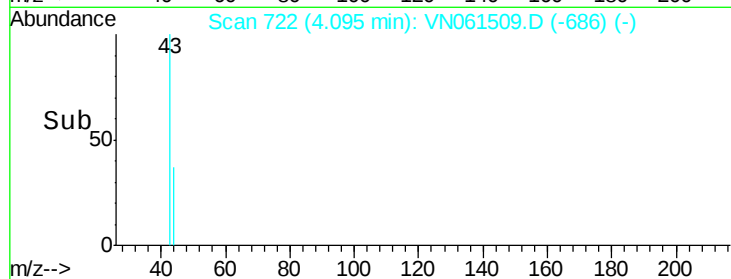
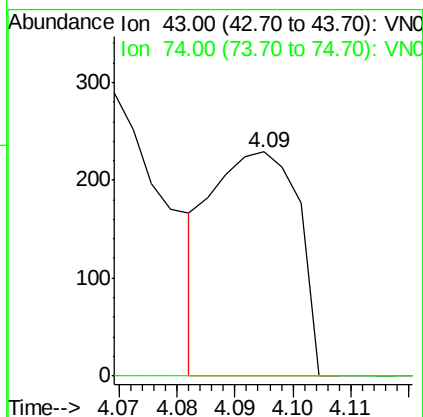
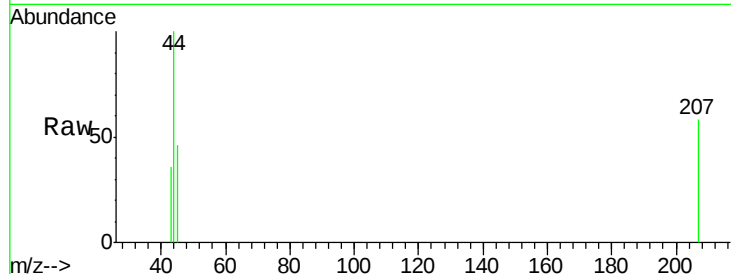




#18
Methyl Acetate
Concen: Below Cal
RT: 4.09 min Scan# 722
Delta R.T. -0.18 min
Lab File: VN061509.D
Acq: 20 May 2020 18:37

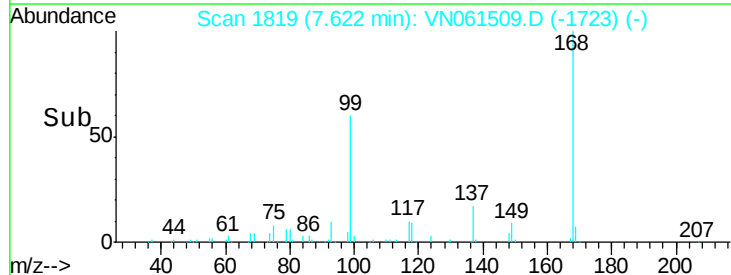
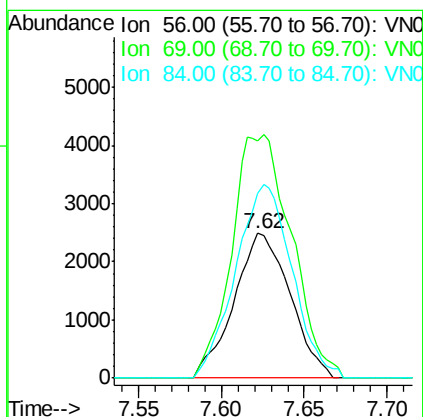
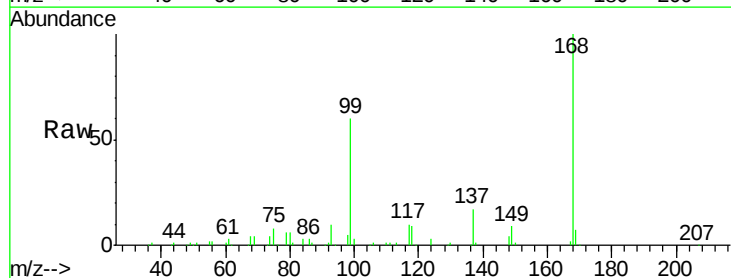
Instrument :
MSVOA_N
ClientSampleId :
S32-0695

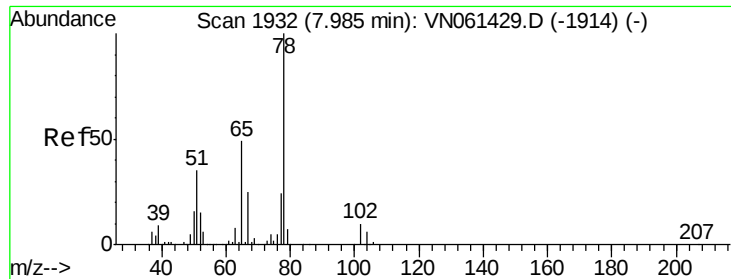
Tot Ion: 43 Resp: 238
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN061509.D
Acq: 20 May 2020 18:37

Tgt Ion: 56 Resp: 5845
Ion Ratio Lower Upper
56 100
69 163.5 27.8 41.6#
84 127.2 72.7 109.1#

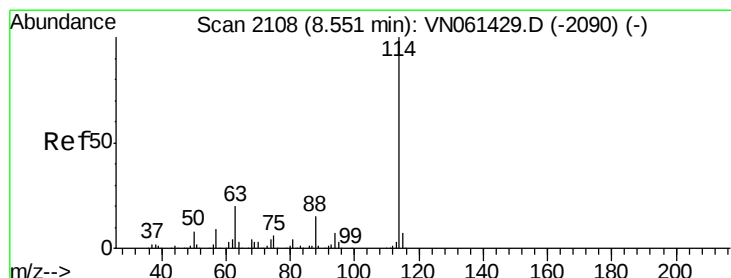
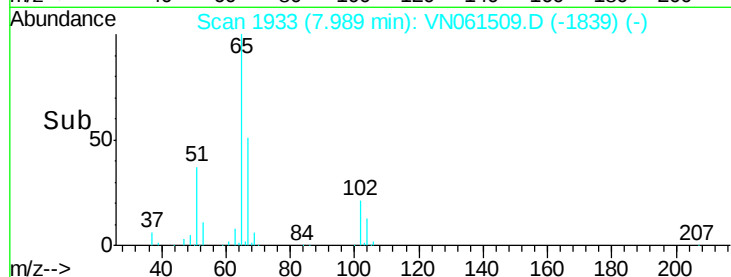
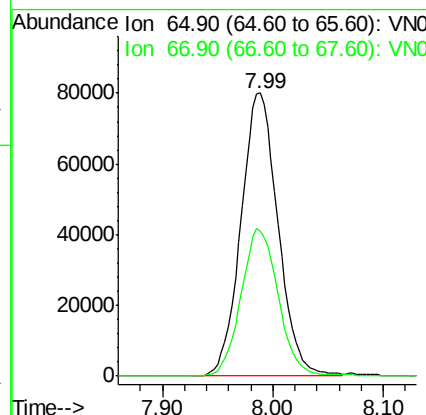
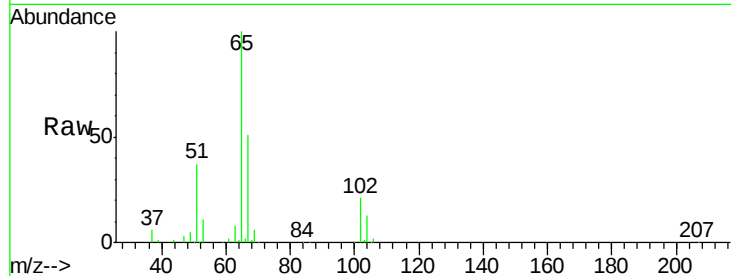




#33
 1,2-Dichloroethane-d4
 Concen: 44.122 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061509.D
 Acq: 20 May 2020 18:37

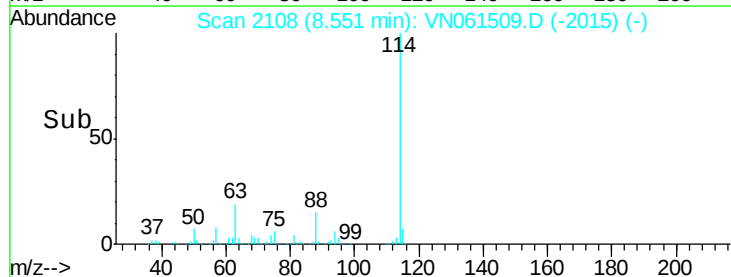
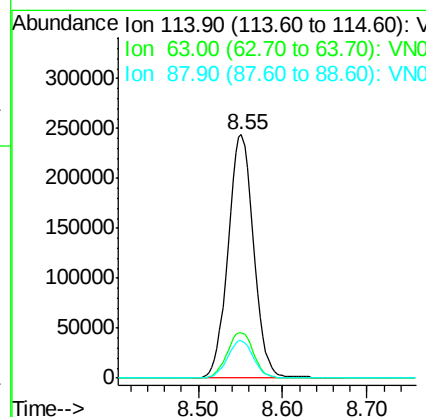
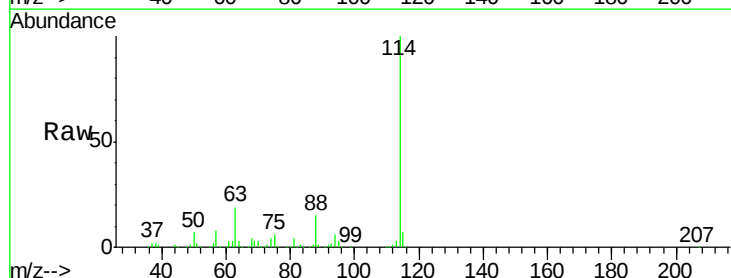
Instrument :
 MSVOA_N
 ClientSampleId :
 S32-0695

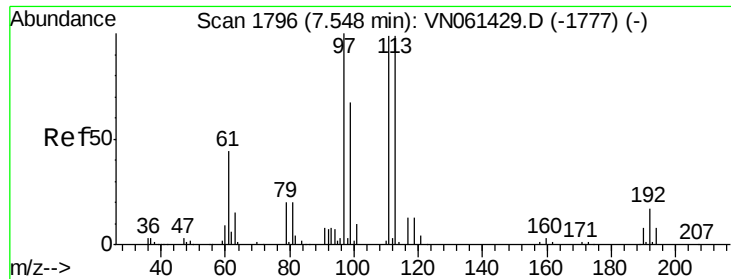
Tot Ion: 65 Resp: 186343
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061509.D
 Acq: 20 May 2020 18:37

Tgt Ion: 114 Resp: 513986
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 40.8
 88 15.3 0.0 30.8

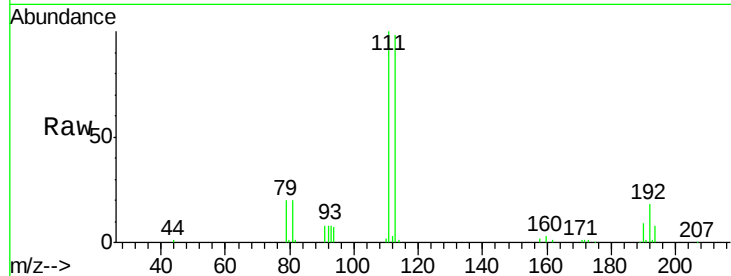




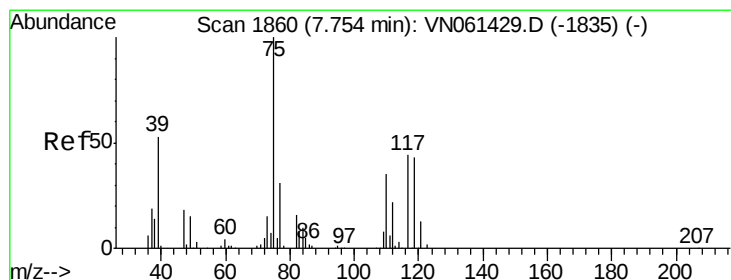
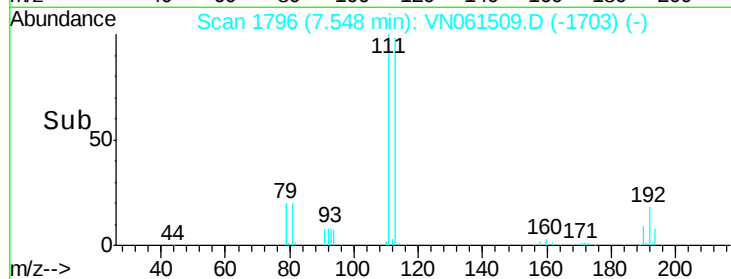
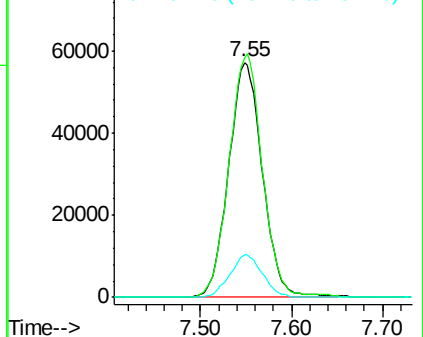
#35
 Dibromofluoromethane
 Concen: 54.733 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061509.D
 Acq: 20 May 2020 18:37

Instrument :
 MSVOA_N
 ClientSampleId :
 S32-0695

Tot Ion:113 Resp: 147376
 Ion Ratio Lower Upper
 113 100
 111 101.5 80.6 121.0
 192 17.5 13.2 19.8

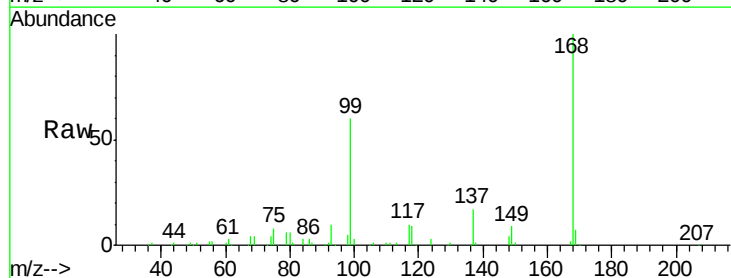


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

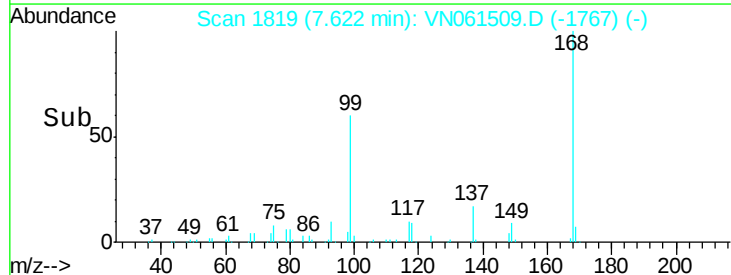
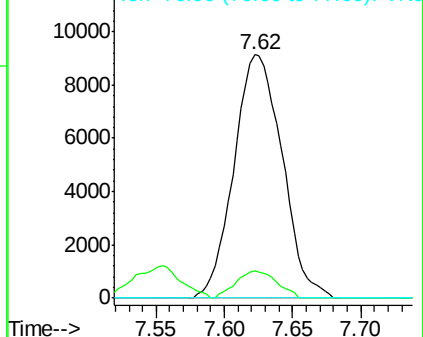


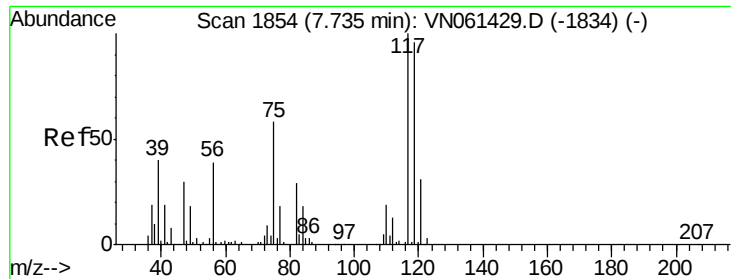
#36
 1,1-Dichloropropene
 Concen: 4.665 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061509.D
 Acq: 20 May 2020 18:37

Tgt Ion: 75 Resp: 22419
 Ion Ratio Lower Upper
 75 100
 110 9.4 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: 6.610 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061509.D

Acq: 20 May 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

S32-0695

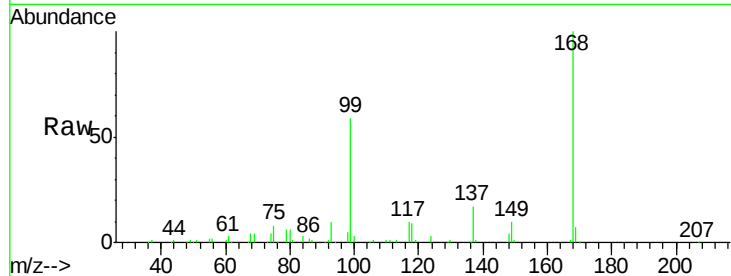
Tot Ion:117 Resp: 29250

Ion Ratio Lower Upper

117 100

119 5.2 77.0 115.6#

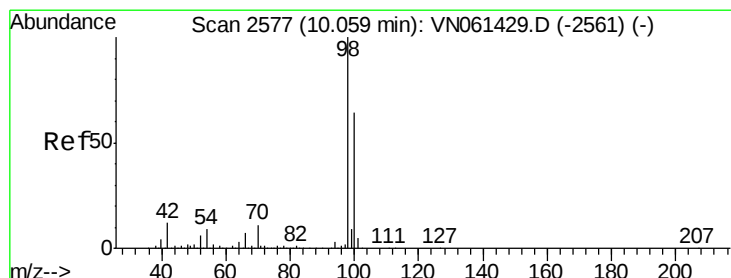
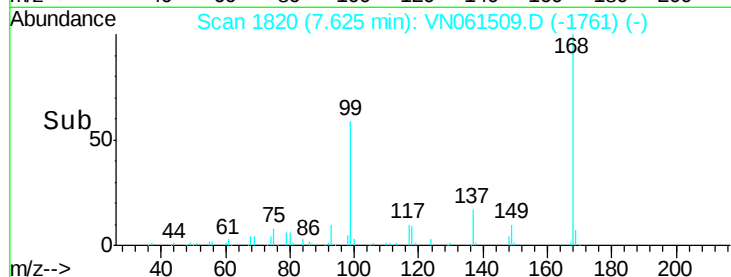
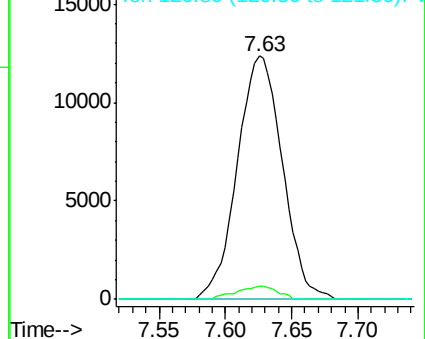
121 0.0 24.7 37.1#



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



#50

Toluene-d8

Concen: 51.307 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061509.D

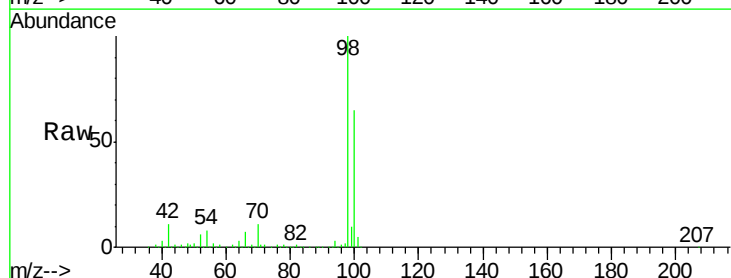
Acq: 20 May 2020 18:37

Tgt Ion: 98 Resp: 640782

Ion Ratio Lower Upper

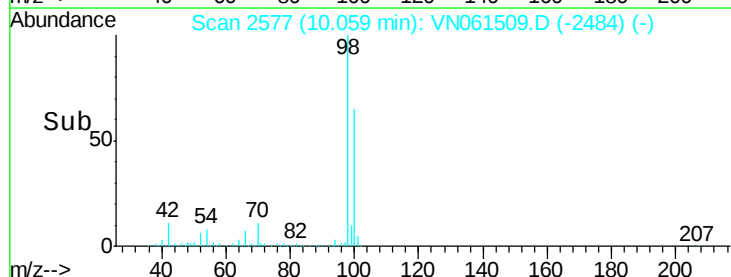
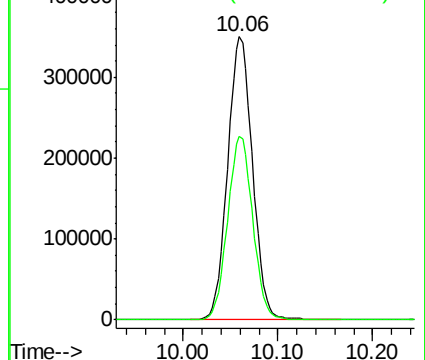
98 100

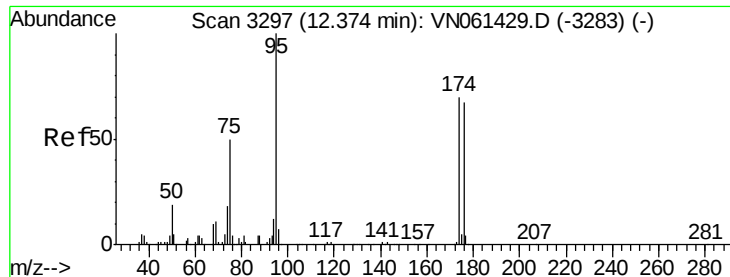
100 65.5 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 51.257 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VN061509.D

Acq: 20 May 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

S32-0695

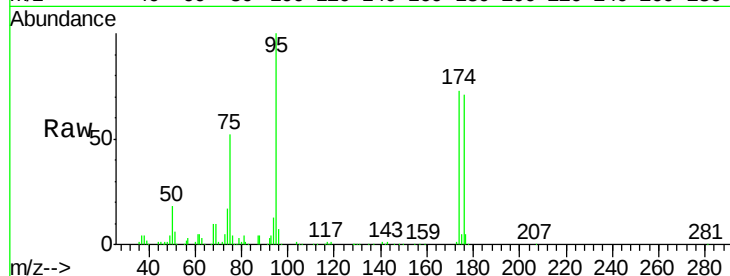
Tot Ion: 95 Resp: 239164

Ion Ratio Lower Upper

95 100

174 73.6 0.0 141.2

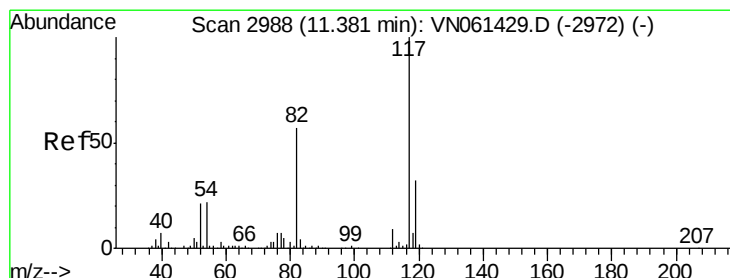
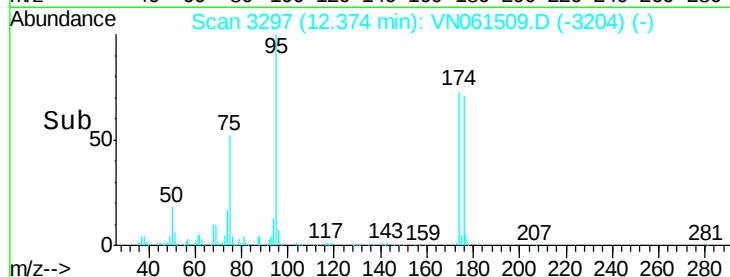
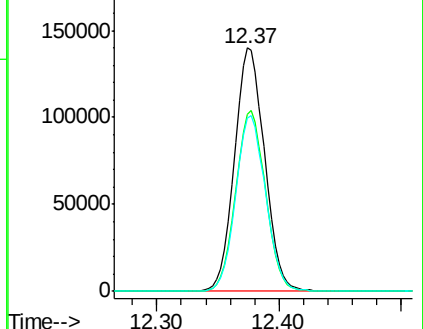
176 71.7 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN061509.D (-3204) (-)

Ion 173.80 (173.50 to 174.50): VN061509.D (-3204) (-)

Ion 175.80 (175.50 to 176.50): VN061509.D (-3204) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN061509.D

Acq: 20 May 2020 18:37

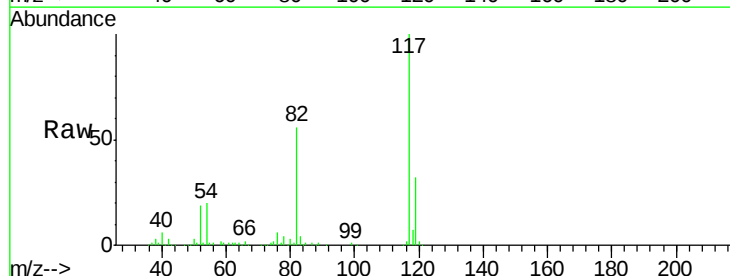
Tgt Ion: 117 Resp: 498294

Ion Ratio Lower Upper

117 100

82 56.3 45.2 67.8

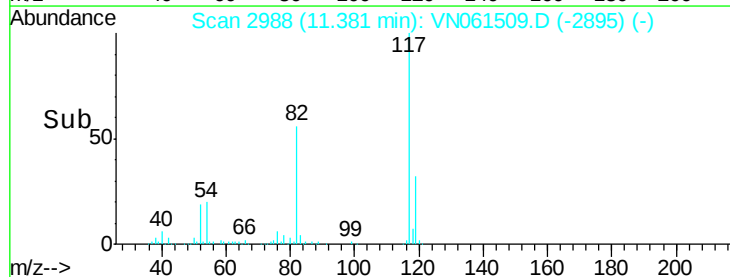
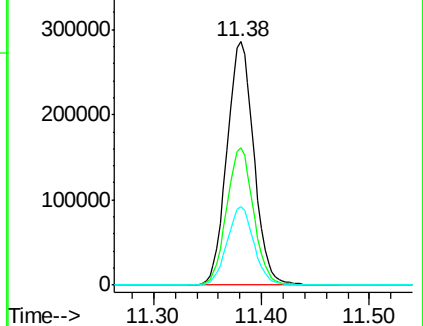
119 32.1 25.3 37.9

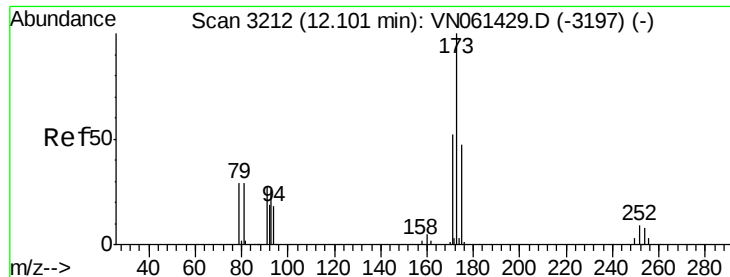


Abundance Ion 116.90 (116.60 to 117.60): VN061509.D (-2895) (-)

Ion 82.00 (81.70 to 82.70): VN061509.D (-2895) (-)

Ion 118.90 (118.60 to 119.60): VN061509.D (-2895) (-)





#71

Bromoform

Concen: 2.595 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061509.D

Acq: 20 May 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

S32-0695

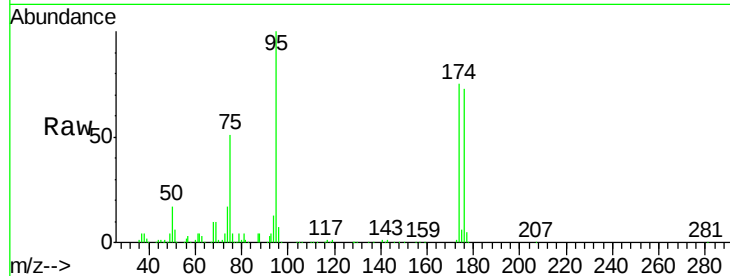
Tot Ion:173 Resp: 1697

Ion Ratio Lower Upper

173 100

175 667.8 23.9 71.8#

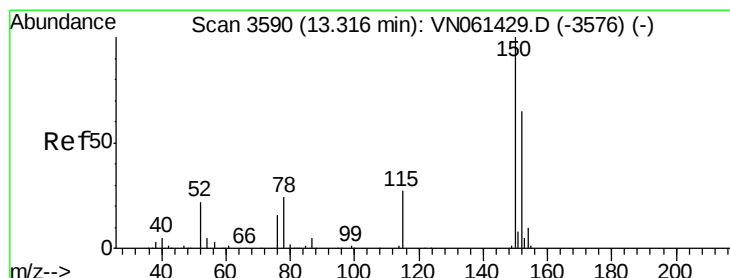
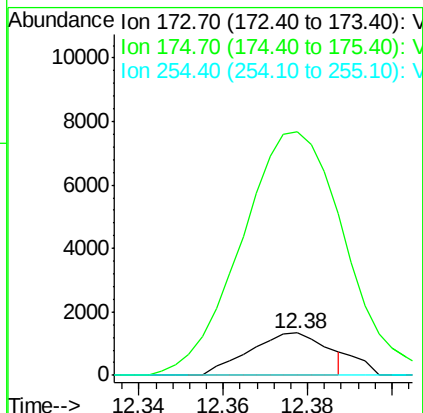
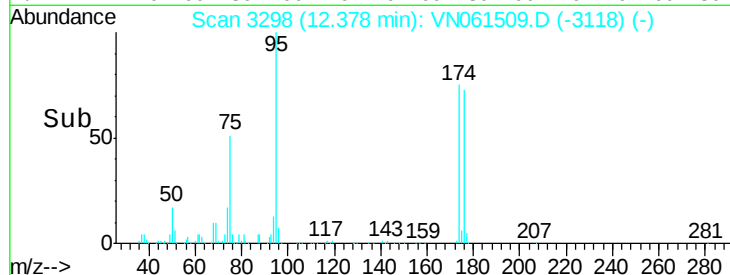
254 0.0 0.0 0.0



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: VN061509.D

Acq: 20 May 2020 18:37

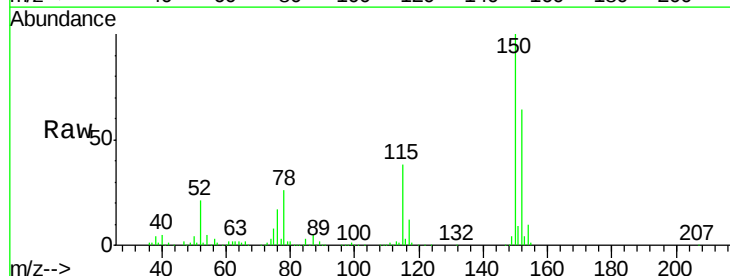
Tgt Ion:152 Resp: 216964

Ion Ratio Lower Upper

152 100

115 60.2 30.9 92.5

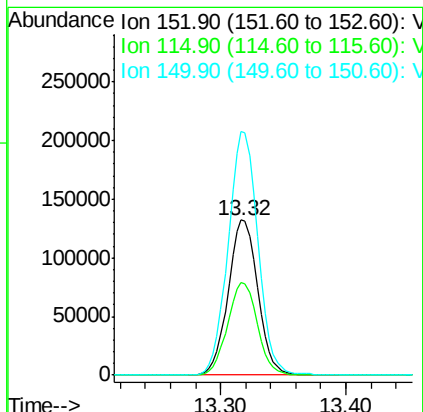
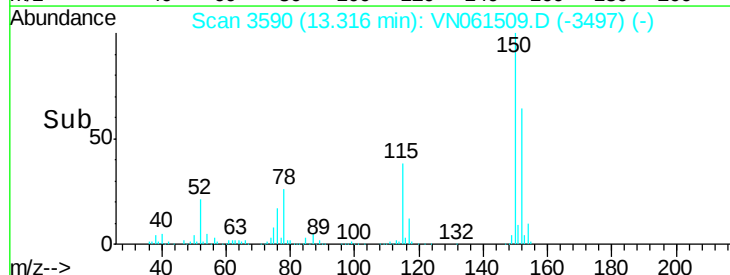
150 157.6 0.0 349.2

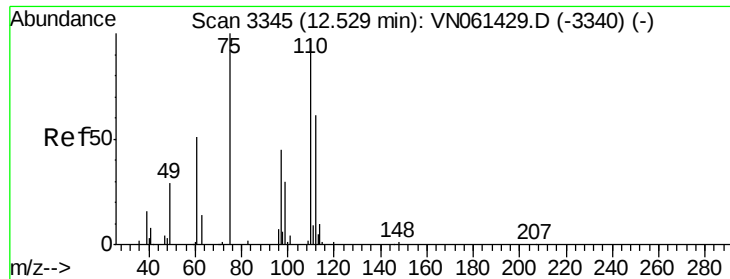


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.286 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061509.D

Acq: 20 May 2020 18:37

Instrument :

MSVOA_N

ClientSampleId :

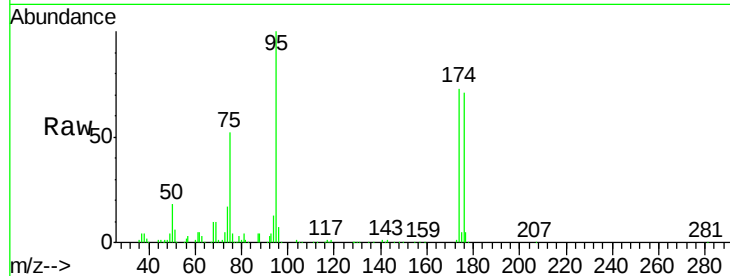
S32-0695

Tot Ion: 75 Resp: 122374

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.37

80000

60000

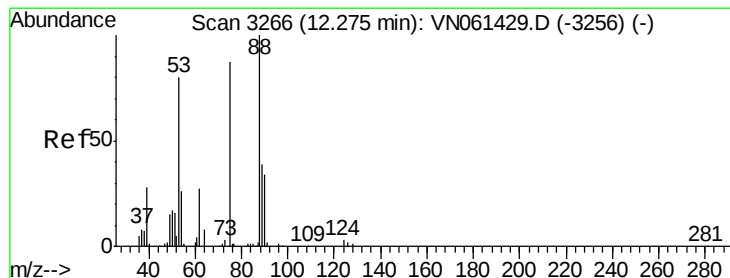
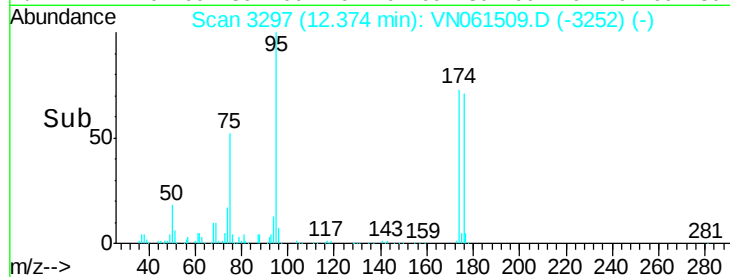
40000

20000

0

Time-->

12.30 12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 69.730 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN061509.D

Acq: 20 May 2020 18:37

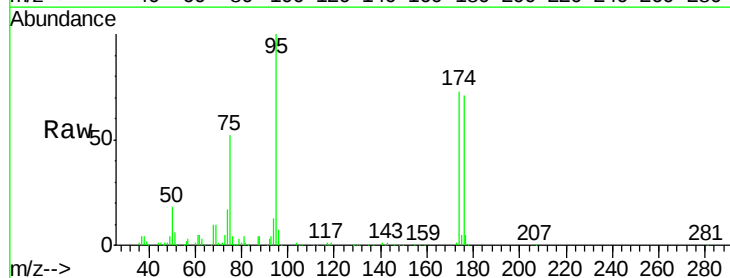
Tgt Ion: 75 Resp: 122374

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

100000

80000

60000

40000

20000

0

Time-->

12.30 12.35 12.40 12.45

