

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN051820\
 Data File : VN061457.D
 Acq On : 19 May 2020 4:12
 Operator : JC/MD
 Sample : L2676-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S32-TB-2020-2

Quant Time: May 19 04:54:24 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	259812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	472316	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	460312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	200707	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	183001	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	
35) Dibromofluoromethane	7.55	113	135065	54.59	ug/l	0.00
Spiked Amount			Recovery	=	109.18%	
50) Toluene-d8	10.06	98	602293	52.48	ug/l	0.00
Spiked Amount			Recovery	=	104.96%	
62) 4-Bromofluorobenzene	12.38	95	228892	53.38	ug/l	0.00
Spiked Amount			Recovery	=	106.76%	

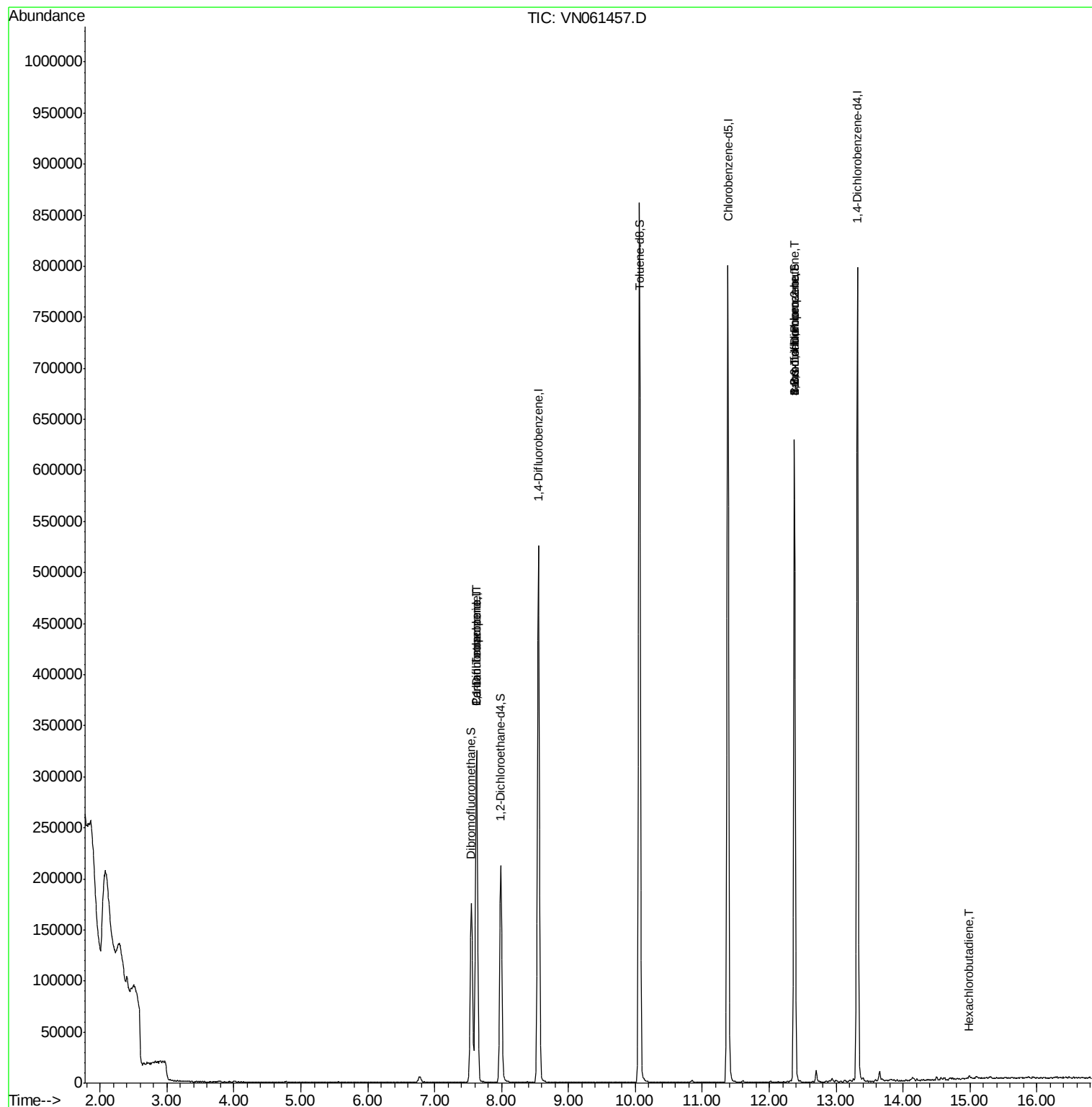
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	761	Below Cal	#	53
16) Acetone	3.77	43	438	Below Cal	#	78
17) Carbon Disulfide	4.01	76	388	Below Cal	#	75
18) Methyl Acetate	4.28	43	213	Below Cal	#	49
31) Cyclohexane	7.63	56	6019	Below Cal	#	21
36) 1,1-Dichloropropene	7.63	75	22079	4.999	ug/l #	49
38) Carbon Tetrachloride	7.63	117	27357	6.727	ug/l #	16
71) Bromoform	12.38	173	1692	2.641	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	119696	27.793	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	119696	73.729	ug/l #	12
94) Hexachlorobutadiene	14.99	225	350	0.237	ug/l #	35

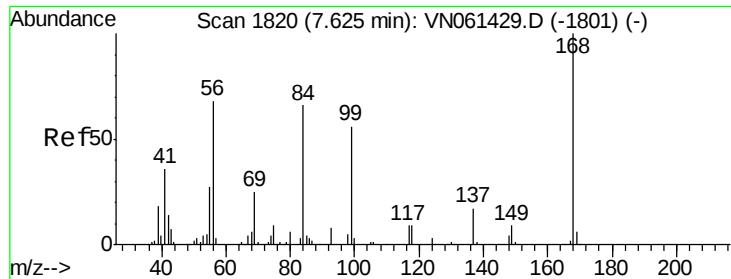
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1821

Delta R.T. 0.00 min

Lab File: VN061457.D

Acq: 19 May 2020 4:12

Instrument :

MSVOA_N

ClientSampleId :

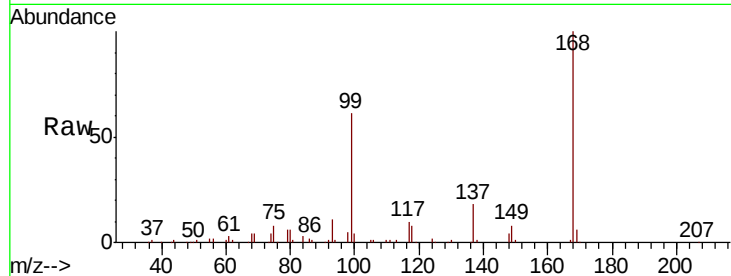
S32-TB-2020-2

Tot Ion:168 Resp: 259812

Ion Ratio Lower Upper

168 100

99 60.5 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

120000

100000

80000

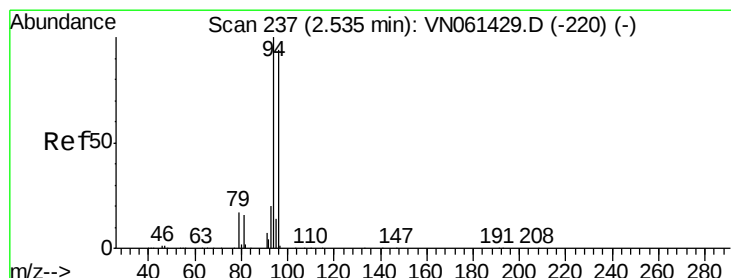
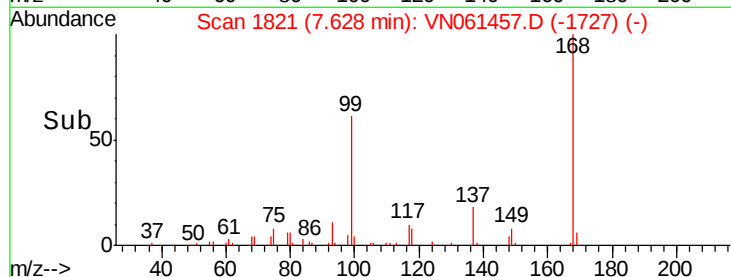
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: Below Cal

RT: 2.55 min Scan# 243

Delta R.T. 0.02 min

Lab File: VN061457.D

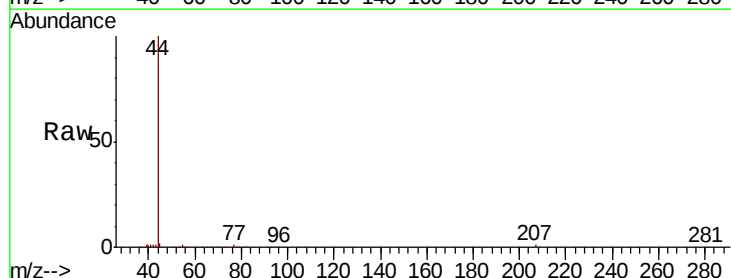
Acq: 19 May 2020 4:12

Tgt Ion: 94 Resp: 761

Ion Ratio Lower Upper

94 100

96 48.2 74.9 112.3#



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.55

600

500

400

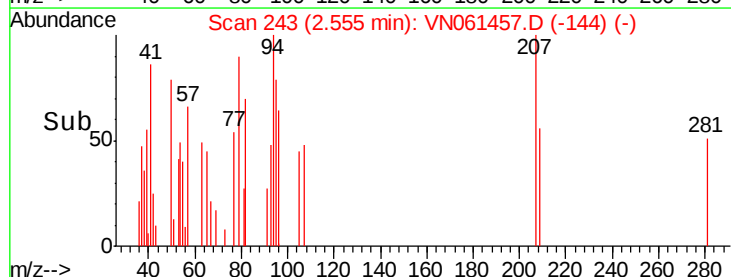
300

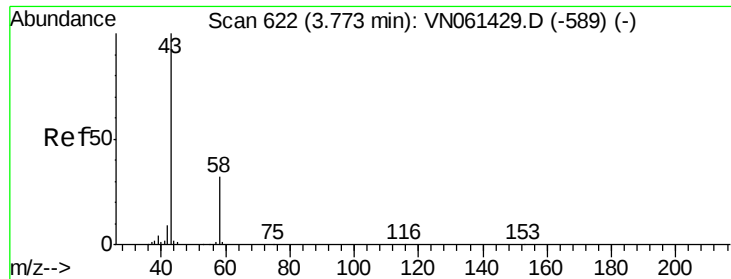
200

100

0

Time--> 2.50 2.55 2.60





#16

Acetone

Concen: Below Cal

RT: 3.77 min Scan# 622

Delta R.T. 0.00 min

Lab File: VN061457.D

Acq: 19 May 2020 4:12

Instrument :

MSVOA_N

ClientSampleId :

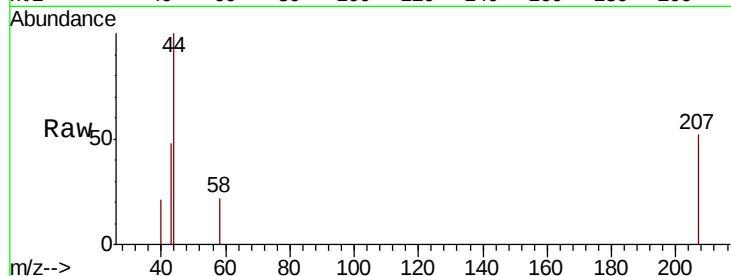
S32-TB-2020-2

Tot Ion: 43 Resp: 438

Ion Ratio Lower Upper

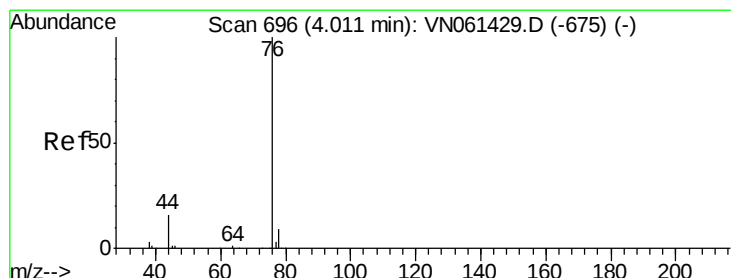
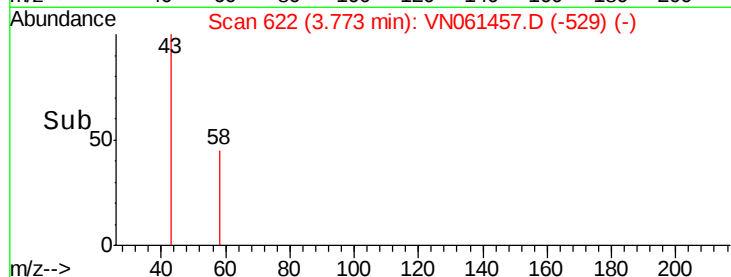
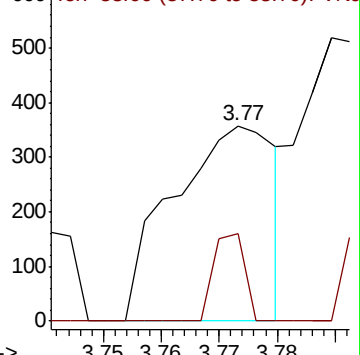
43 100

58 44.5 25.6 38.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.01 min Scan# 697

Delta R.T. 0.00 min

Lab File: VN061457.D

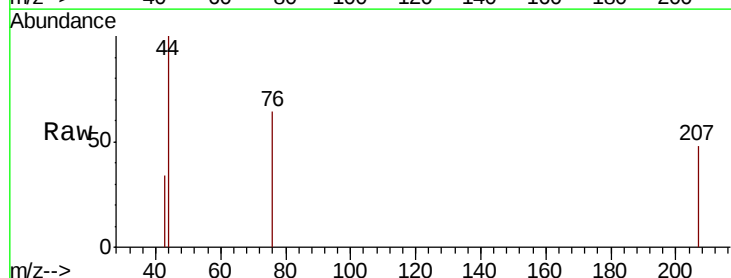
Acq: 19 May 2020 4:12

Tgt Ion: 76 Resp: 388

Ion Ratio Lower Upper

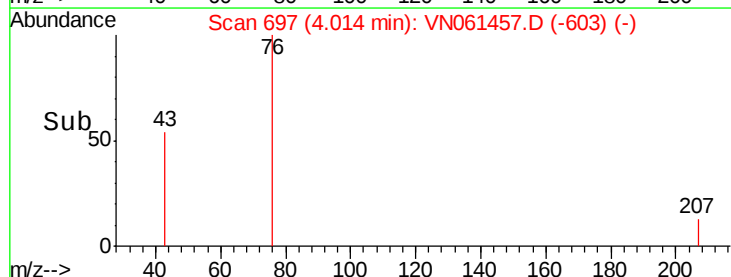
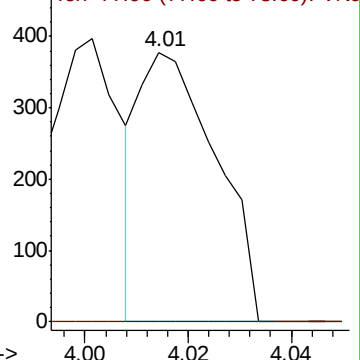
76 100

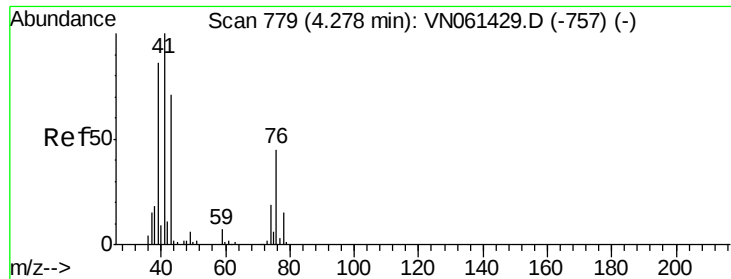
78 0.0 7.4 11.0#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

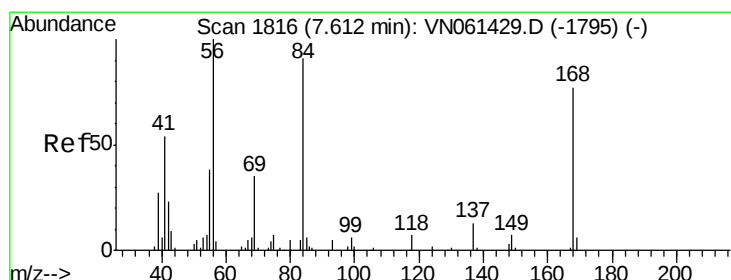
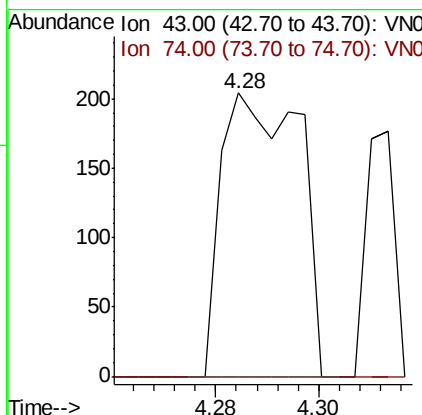
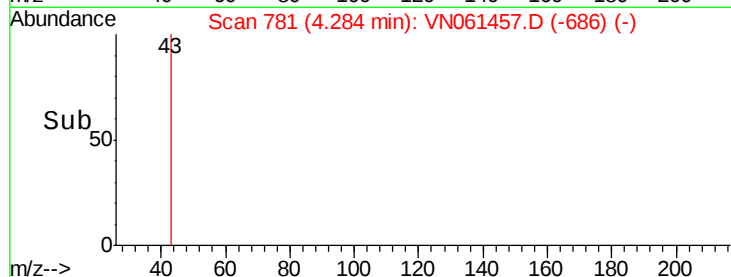
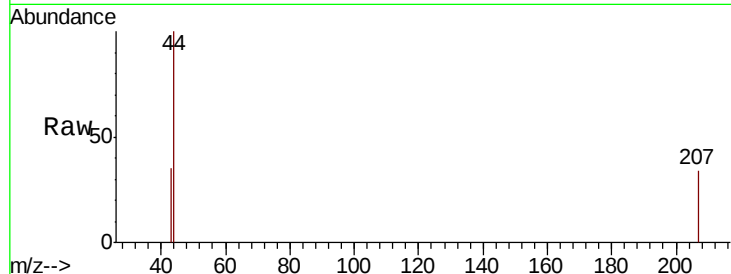




#18
Methyl Acetate
Concen: Below Cal
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN061457.D
Acq: 19 May 2020 4:12

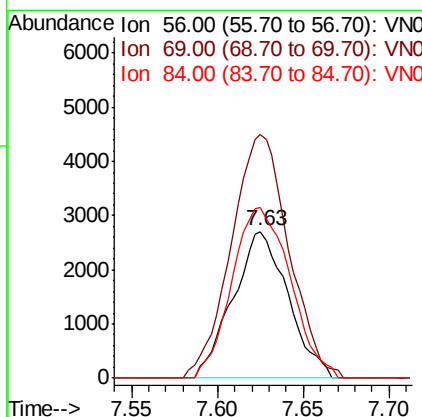
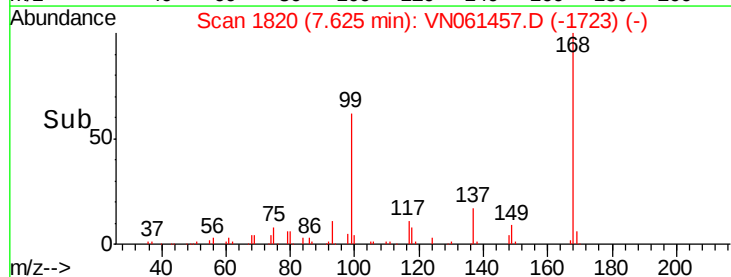
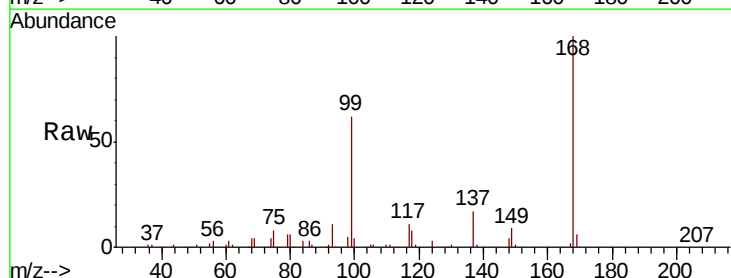
Instrument :
MSVOA_N
ClientSampleId :
S32-TB-2020-2

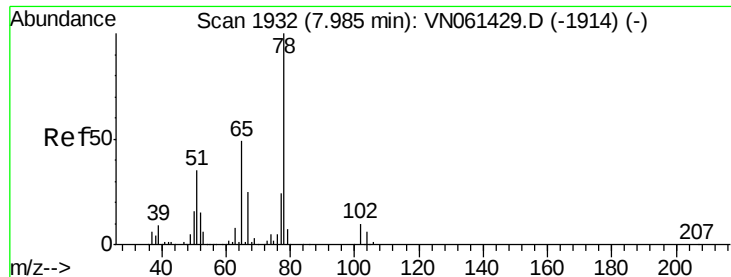
Tot Ion: 43 Resp: 213
Ion Ratio Lower Upper
43 100
74 0.0 20.8 31.2#



#31
Cyclohexane
Concen: Below Cal
RT: 7.63 min Scan# 1820
Delta R.T. 0.01 min
Lab File: VN061457.D
Acq: 19 May 2020 4:12

Tgt Ion: 56 Resp: 6019
Ion Ratio Lower Upper
56 100
69 160.1 27.8 41.6#
84 115.9 72.7 109.1#

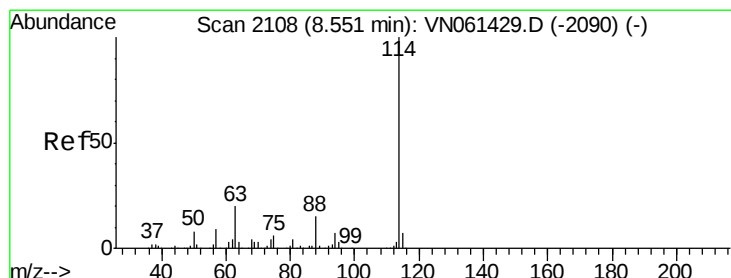
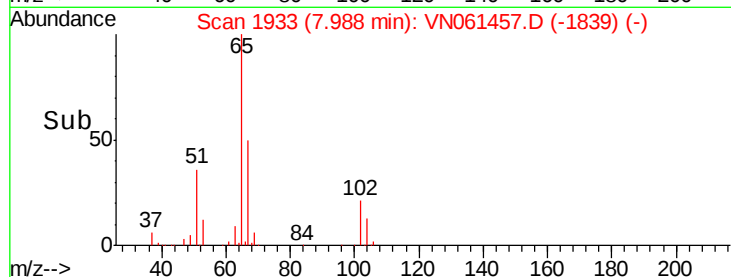
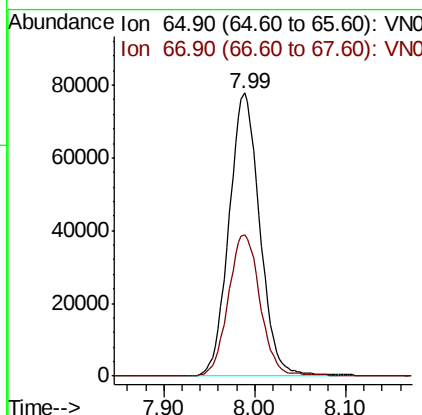
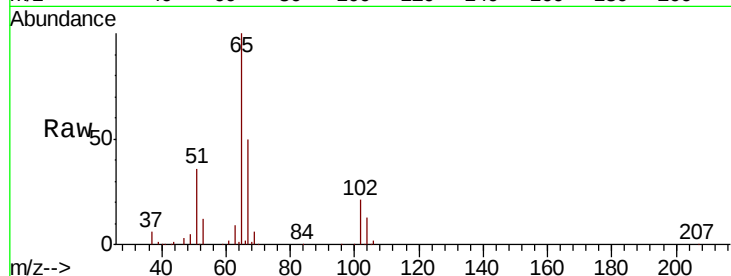




#33
 1,2-Dichloroethane-d4
 Concen: 47.195 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061457.D
 Acq: 19 May 2020 4:12

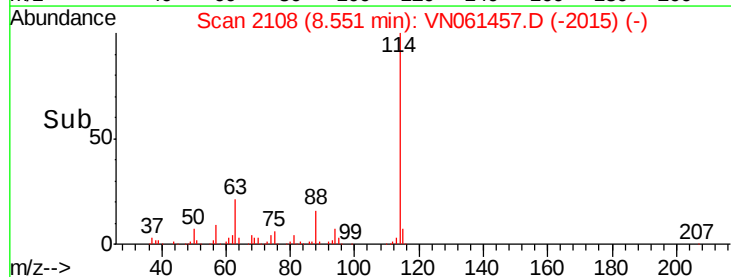
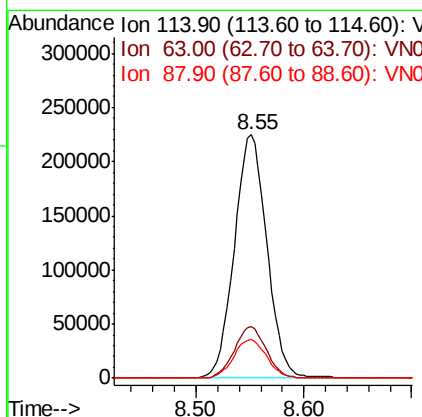
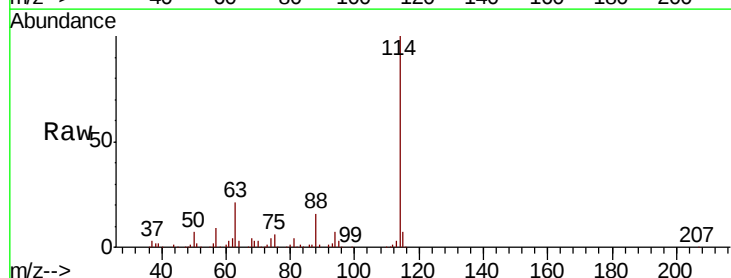
Instrument :
 MSVOA_N
 ClientSampleId :
 S32-TB-2020-2

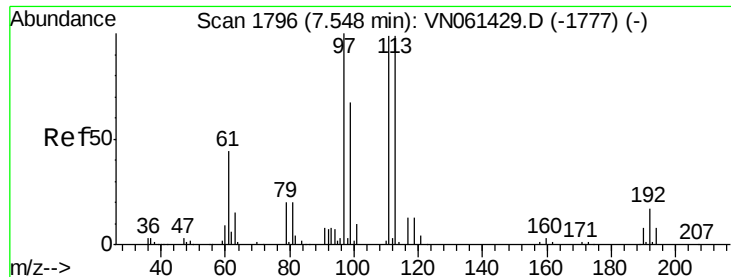
Tot Ion: 65 Resp: 183001
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. -0.00 min
 Lab File: VN061457.D
 Acq: 19 May 2020 4:12

Tgt Ion: 114 Resp: 472316
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 40.8
 88 15.7 0.0 30.8

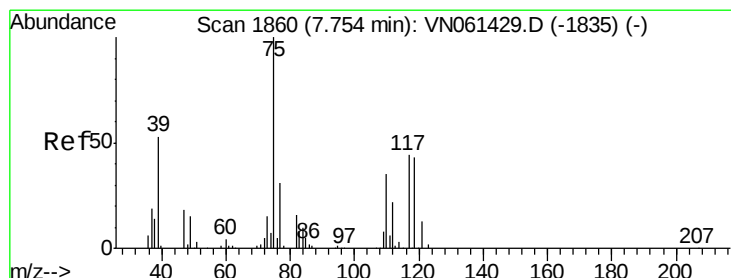
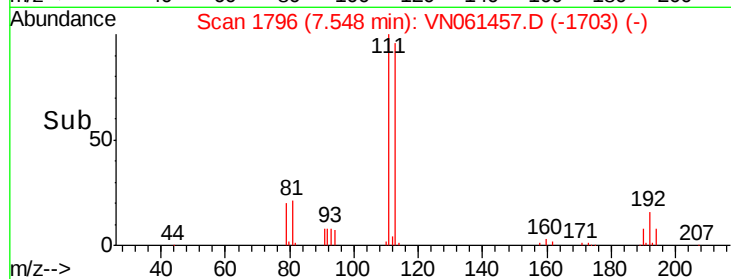
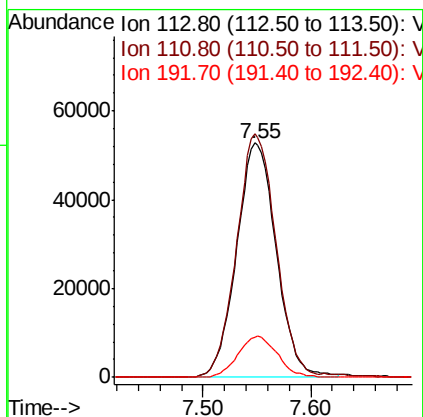
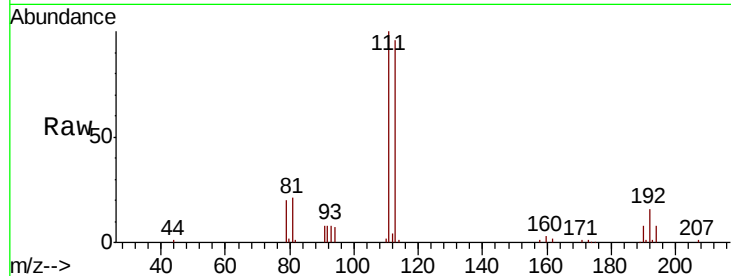




#35
 Dibromofluoromethane
 Concen: 54.586 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061457.D
 Acq: 19 May 2020 4:12

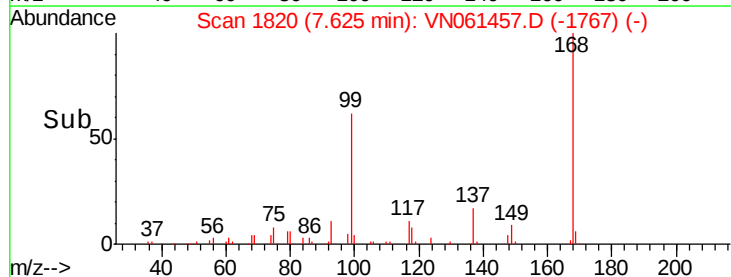
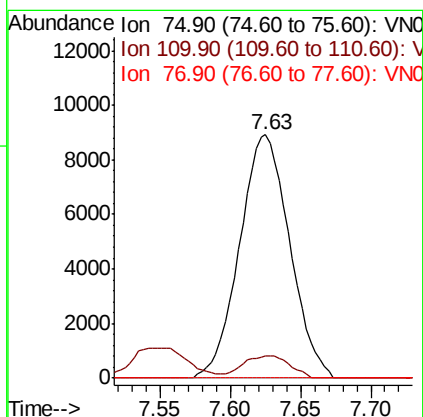
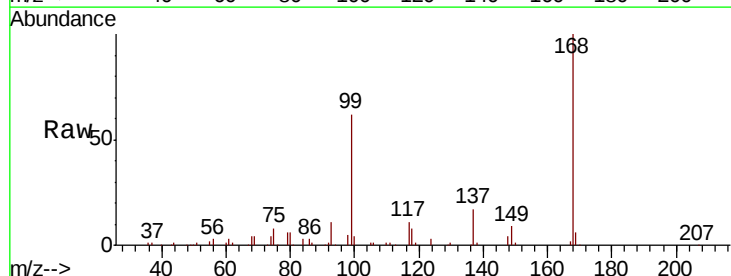
Instrument :
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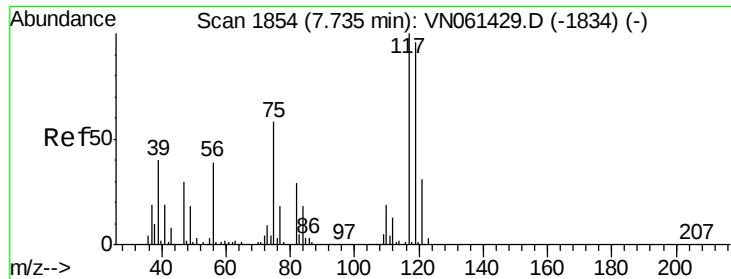
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.1	80.6	121.0
192	17.3	13.2	19.8



#36
 1,1-Dichloropropene
 Concen: 4.999 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061457.D
 Acq: 19 May 2020 4:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.3	51.9#
77	0.0	24.9	37.3#





#38

Carbon Tetrachloride

Concen: 6.727 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.11 min

Lab File: VN061457.D

Acq: 19 May 2020 4:12

Instrument :

MSVOA_N

ClientSampleId :

S32-TB-2020-2

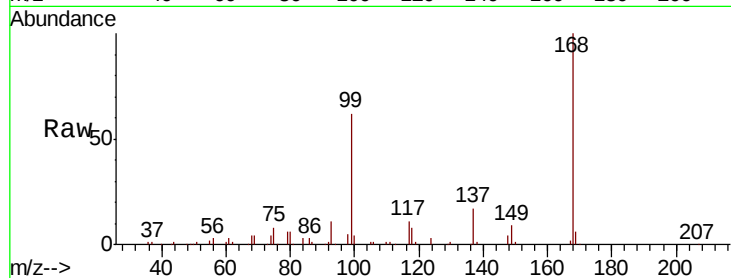
Tot Ion:117 Resp: 27357

Ion Ratio Lower Upper

117 100

119 4.8 77.0 115.6#

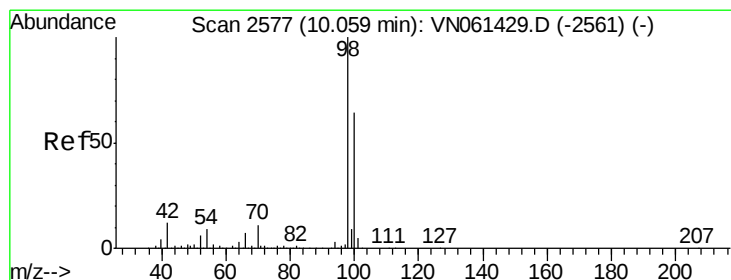
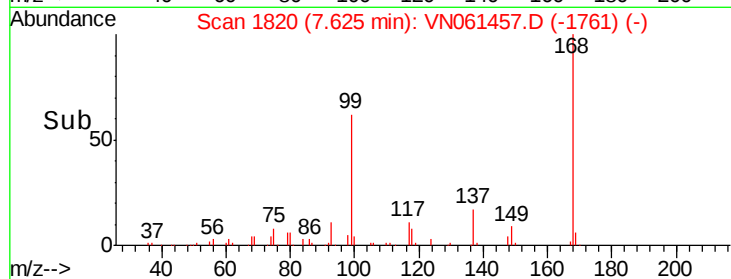
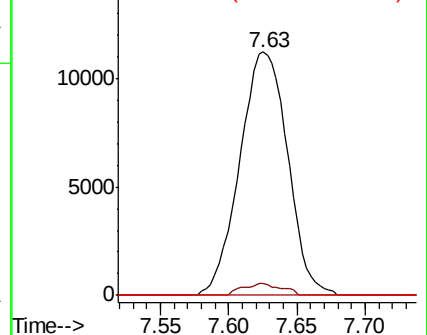
121 0.0 24.7 37.1#



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: 52.480 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. -0.00 min

Lab File: VN061457.D

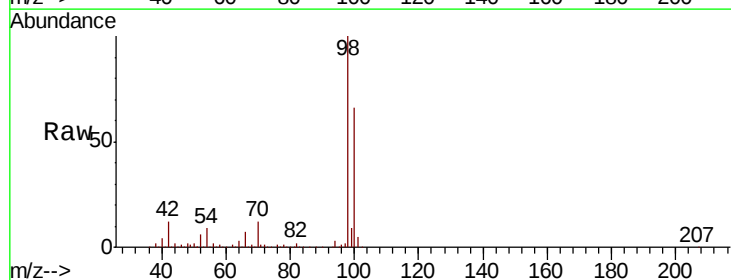
Acq: 19 May 2020 4:12

Tgt Ion: 98 Resp: 602293

Ion Ratio Lower Upper

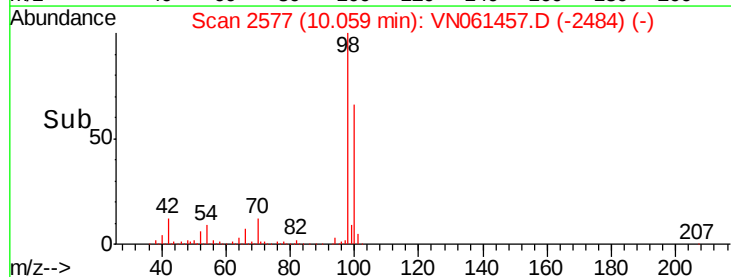
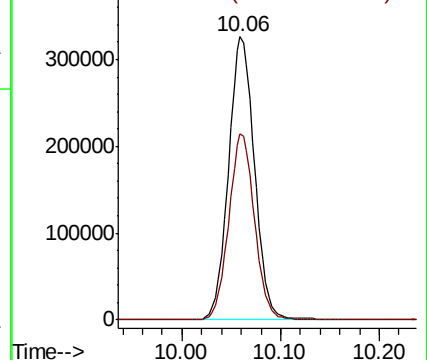
98 100

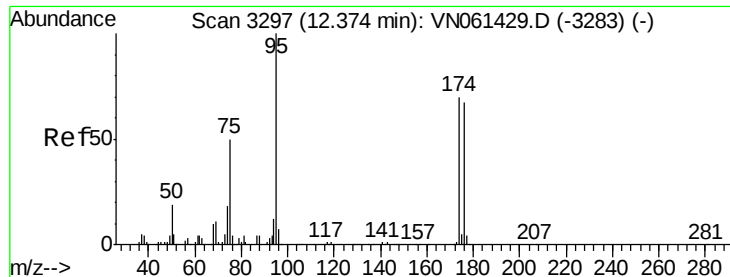
100 65.2 51.8 77.8



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 53.383 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061457.D

Acq: 19 May 2020 4:12

Instrument :

MSVOA_N

ClientSampleId :

S32-TB-2020-2

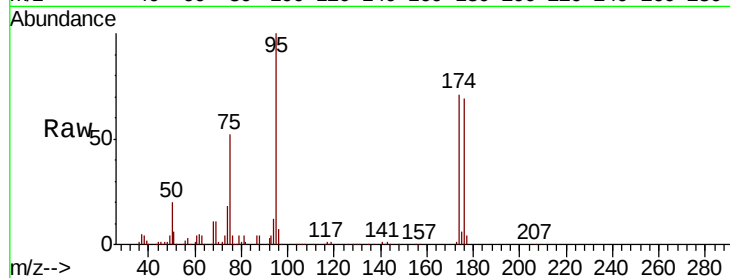
Tot Ion: 95 Resp: 228892

Ion Ratio Lower Upper

95 100

174 69.9 0.0 141.2

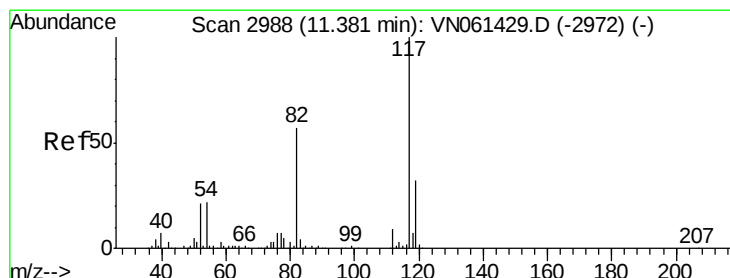
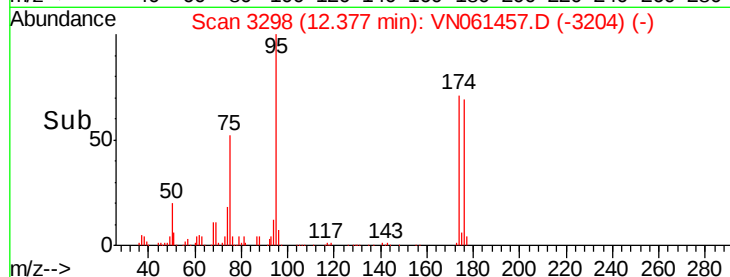
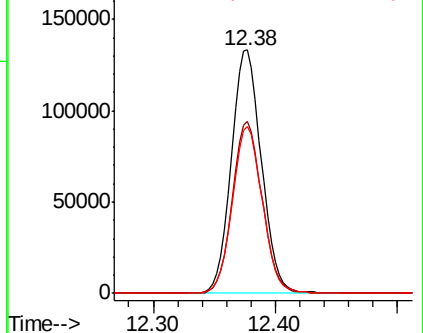
176 68.2 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. -0.00 min

Lab File: VN061457.D

Acq: 19 May 2020 4:12

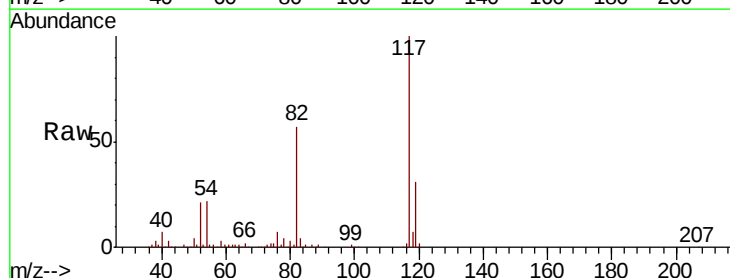
Tgt Ion: 117 Resp: 460312

Ion Ratio Lower Upper

117 100

82 57.3 45.2 67.8

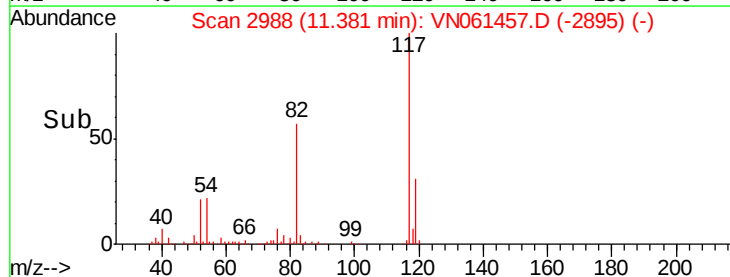
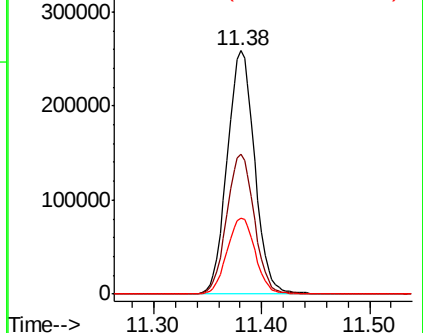
119 31.3 25.3 37.9

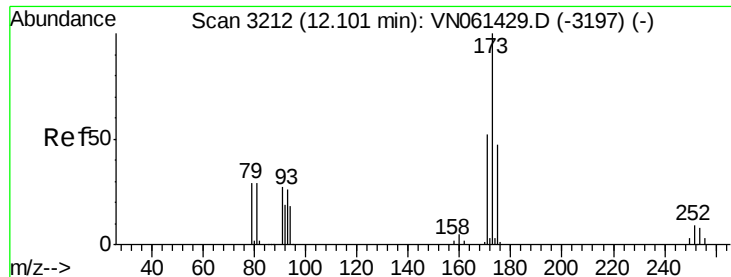


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 2.641 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061457.D

Acq: 19 May 2020 4:12

Instrument :

MSVOA_N

ClientSampleId :

S32-TB-2020-2

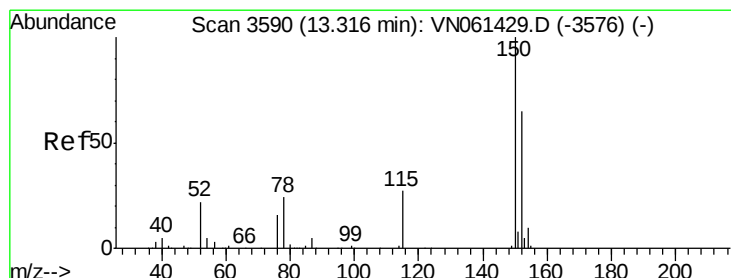
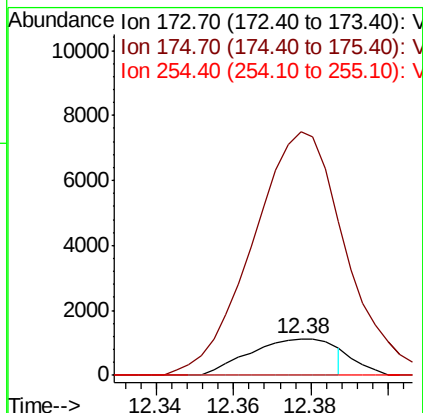
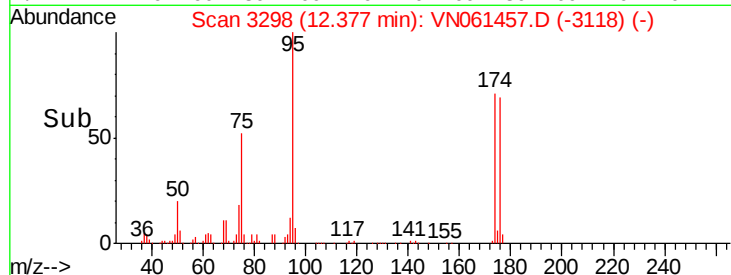
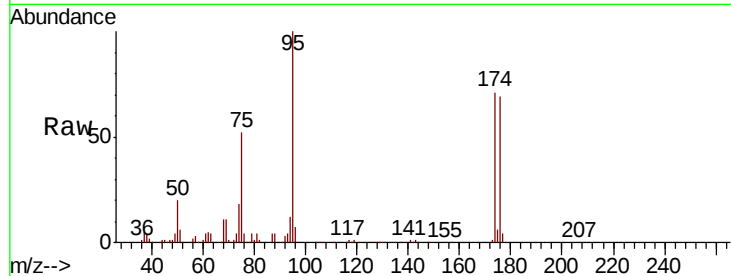
Tot Ion:173 Resp: 1692

Ion Ratio Lower Upper

173 100

175 632.2 23.9 71.8#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN061457.D

Acq: 19 May 2020 4:12

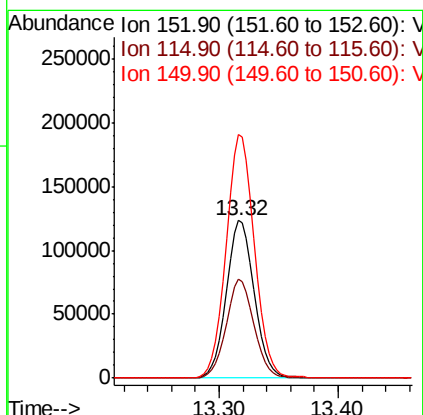
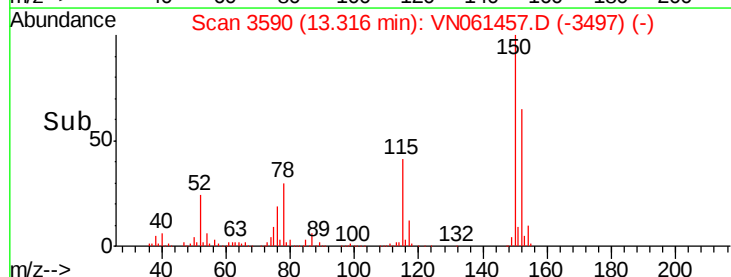
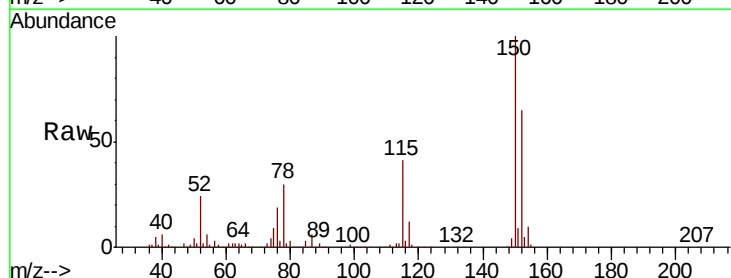
Tgt Ion:152 Resp: 200707

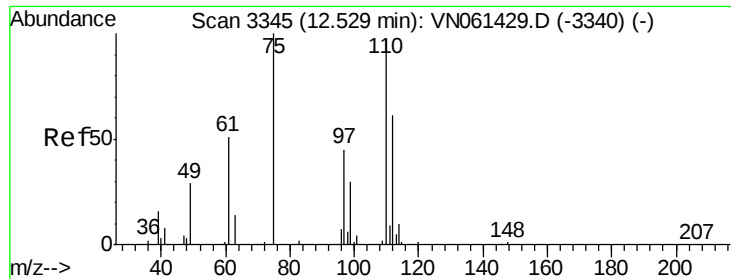
Ion Ratio Lower Upper

152 100

115 62.5 30.9 92.5

150 156.7 0.0 349.2





#76

1,2,3-Trichloropropane

Concen: 27.793 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061457.D

Acq: 19 May 2020 4:12

Instrument :

MSVOA_N

ClientSampleId :

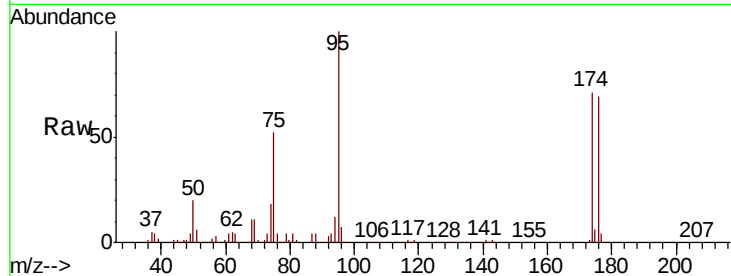
S32-TB-2020-2

Tot Ion: 75 Resp: 119696

Ion Ratio Lower Upper

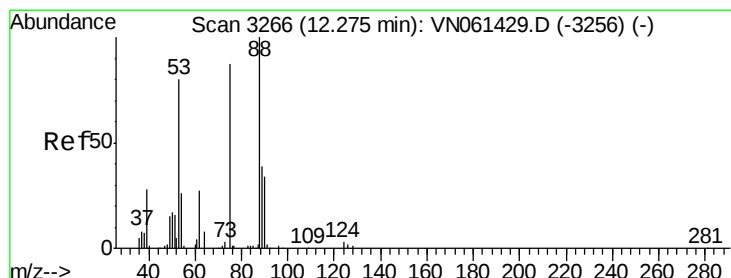
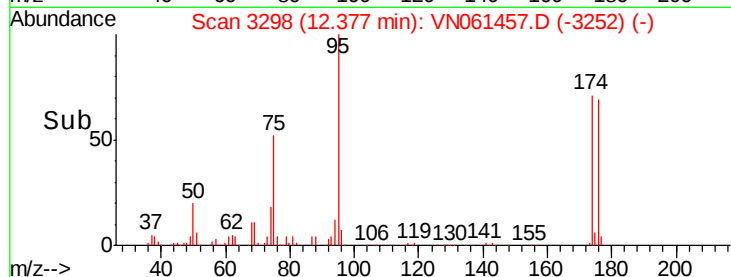
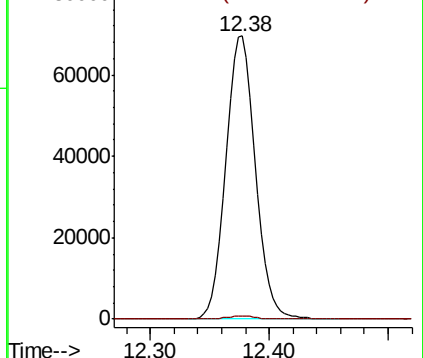
75 100

77 0.9 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: 73.729 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061457.D

Acq: 19 May 2020 4:12

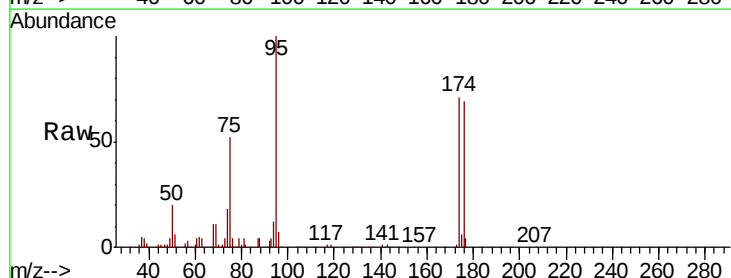
Tgt Ion: 75 Resp: 119696

Ion Ratio Lower Upper

75 100

53 0.0 75.2 112.8#

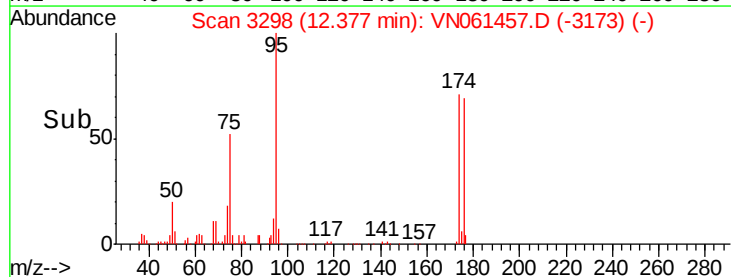
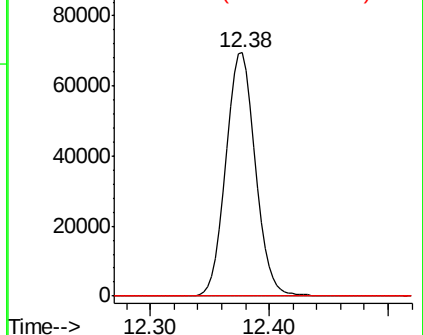
89 0.0 38.2 57.4#

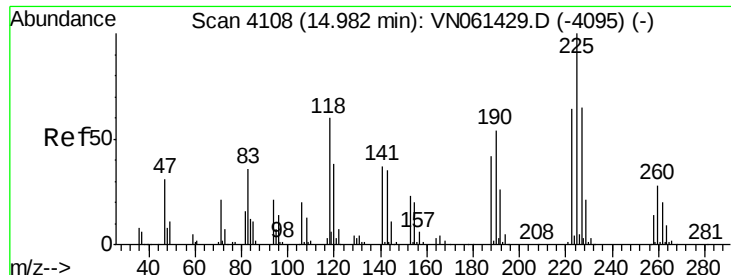


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#94

Hexachlorobutadiene

Concen: 0.237 ug/l

RT: 14.99 min Scan# 4110

Delta R.T. 0.01 min

Lab File: VN061457.D

Acq: 19 May 2020 4:12

Instrument :

MSVOA_N

ClientSampleId :

S32-TB-2020-2

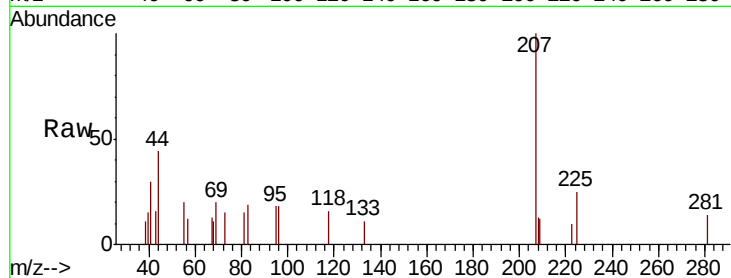
Tot Ion: 225 Resp: 350

Ion Ratio Lower Upper

225 100

223 25.4 31.9 95.7#

227 0.0 31.5 94.5#



Abundance Ion 224.70 (224.40 to 225.40): V

500 Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

