

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052920\
 Data File : VN061564.D
 Acq On : 29 May 2020 14:01
 Operator : JC/MD
 Sample : L2803-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 30 04:42:25 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	255759	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	457601	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	435927	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	183252	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	160230	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
35) Dibromofluoromethane	7.55	113	130493	56.21	ug/l	0.00
Spiked Amount			Recovery	=	112.42%	
50) Toluene-d8	10.06	98	552264	51.34	ug/l	0.00
Spiked Amount			Recovery	=	102.68%	
62) 4-Bromofluorobenzene	12.38	95	198157	50.49	ug/l	0.00
Spiked Amount			Recovery	=	100.98%	

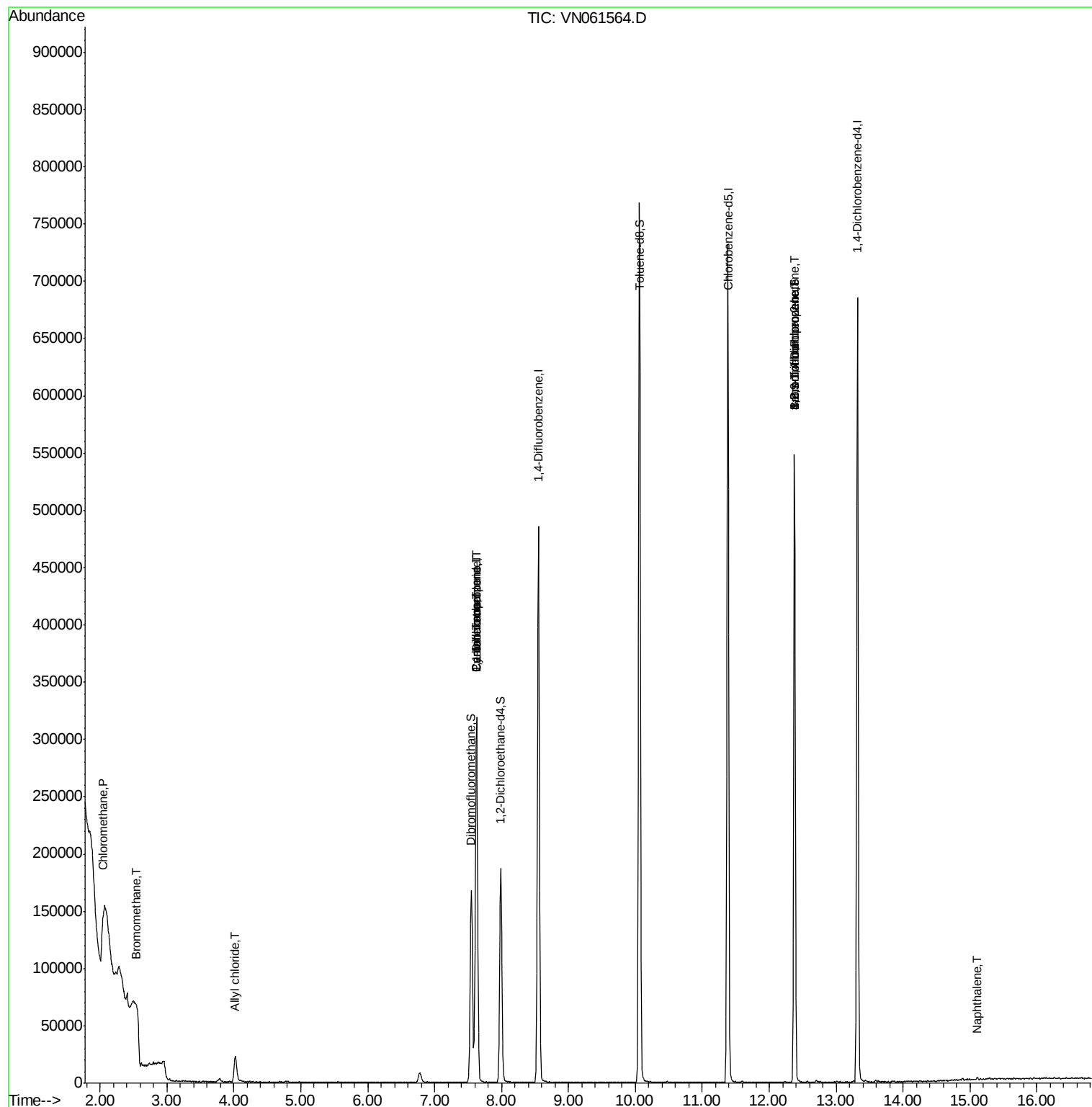
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1024	0.328	ug/l #	75
5) Bromomethane	2.55	94	595	0.243	ug/l #	61
14) Allyl chloride	4.02	41	3469	1.015	ug/l #	60
16) Acetone	3.79	43	5056	Below Cal		89
31) Cyclohexane	7.63	56	4997	1.164	ug/l #	4
36) 1,1-Dichloropropene	7.63	75	19926	4.919	ug/l #	48
38) Carbon Tetrachloride	7.63	117	27715	7.093	ug/l #	16
71) Bromoform	12.38	173	1201	0.462	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	101347	30.414	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	101347	77.777	ug/l #	15
95) Naphthalene	15.10	128	2387	0.232	ug/l #	84

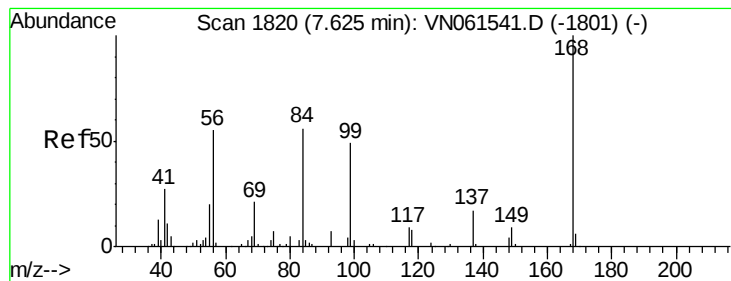
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061564.D

Acq: 29 May 2020 14:01

Instrument :

MSVOA_N

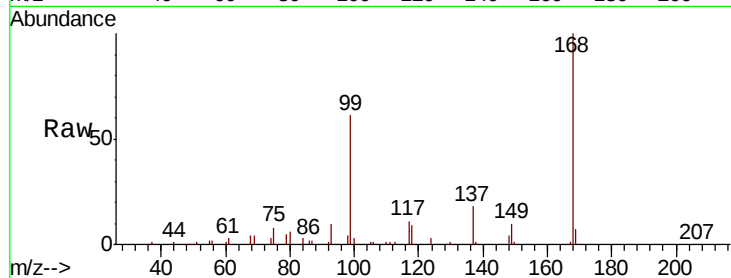
ClientSampleId :

Tot Ion:168 Resp: 255759

Ion Ratio Lower Upper

168 100

99 61.1 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): VN061564.D (-1727) (-)

Ion 98.90 (98.60 to 99.60): VN061564.D (-1727) (-)

7.63

120000

100000

80000

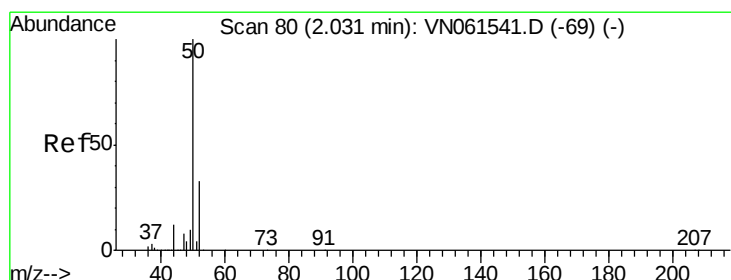
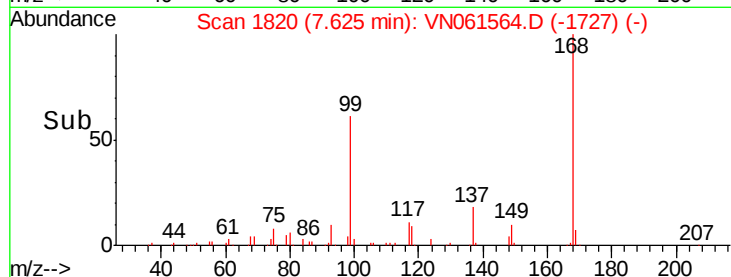
60000

40000

20000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.328 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.01 min

Lab File: VN061564.D

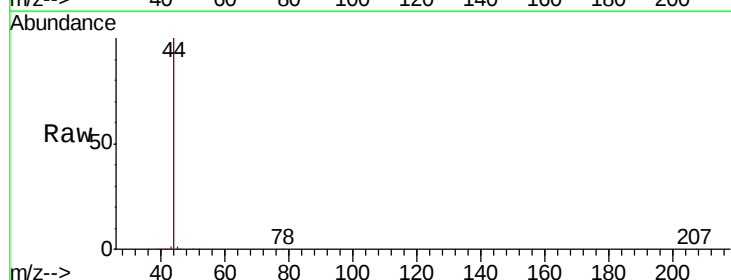
Acq: 29 May 2020 14:01

Tgt Ion: 50 Resp: 1024

Ion Ratio Lower Upper

50 100

52 47.5 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VN061564.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VN061564.D (-1) (-)

2.04

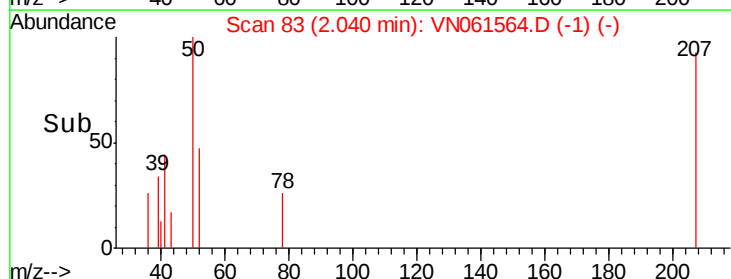
600

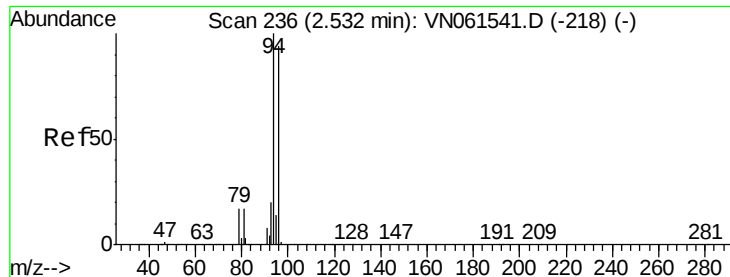
400

200

0

Time--> 2.00 2.02 2.04 2.06





#5

Bromomethane

Concen: 0.243 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN061564.D

Acq: 29 May 2020 14:01

Instrument :

MSVOA_N

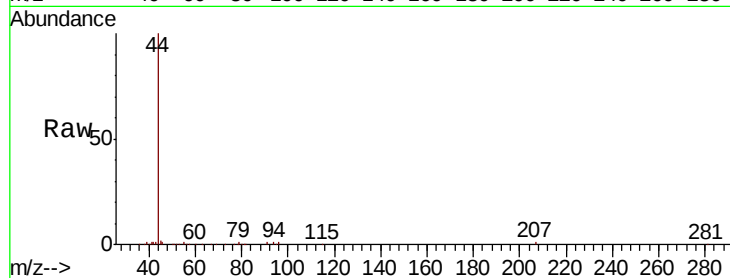
ClientSampled :

Tot Ion: 94 Resp: 595

Ion Ratio Lower Upper

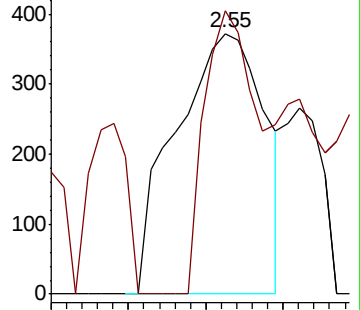
94 100

96 55.9 74.8 112.2#

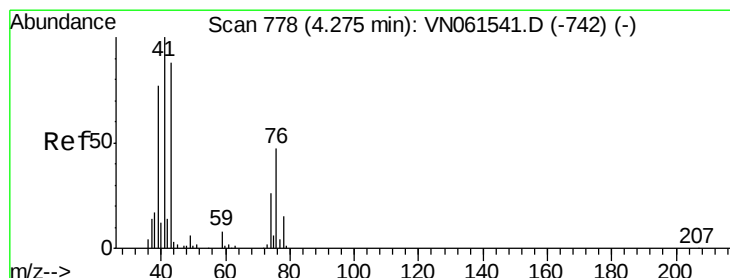
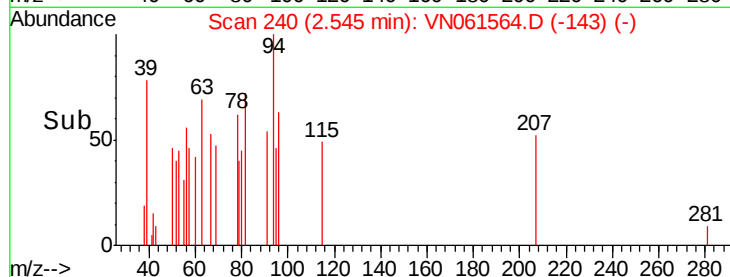


Abundance Ion 93.90 (93.60 to 94.60): VNC

Ion 95.90 (95.60 to 96.60): VNC



Time--> 2.50 2.52 2.54 2.56



#14

Allyl chloride

Concen: 1.015 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.25 min

Lab File: VN061564.D

Acq: 29 May 2020 14:01

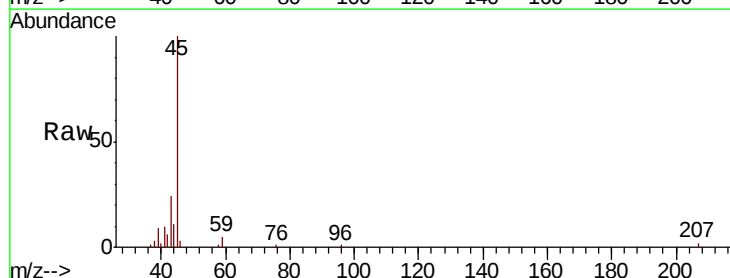
Tgt Ion: 41 Resp: 3469

Ion Ratio Lower Upper

41 100

39 33.4 58.6 88.0#

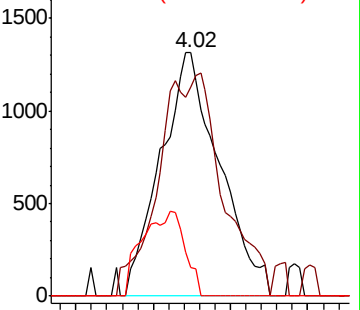
76 25.1 34.2 51.4#



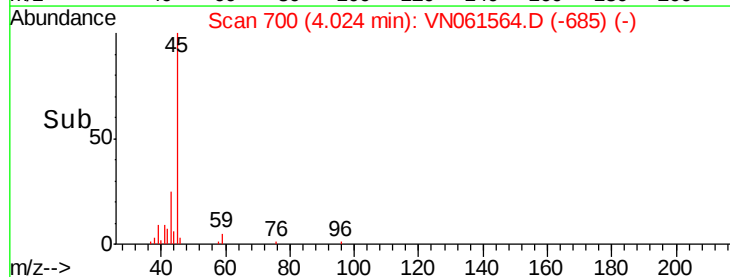
Abundance Ion 41.00 (40.70 to 41.70): VNC

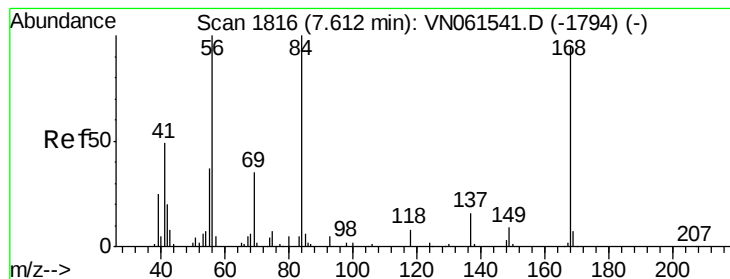
Ion 39.00 (38.70 to 39.70): VNC

Ion 75.90 (75.60 to 76.60): VNC



Time--> 3.95 4.00 4.05 4.10





#31

Cyclohexane

Concen: 1.164 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VN061564.D

Acq: 29 May 2020 14:01

Instrument :

MSVOA_N

ClientSampled :

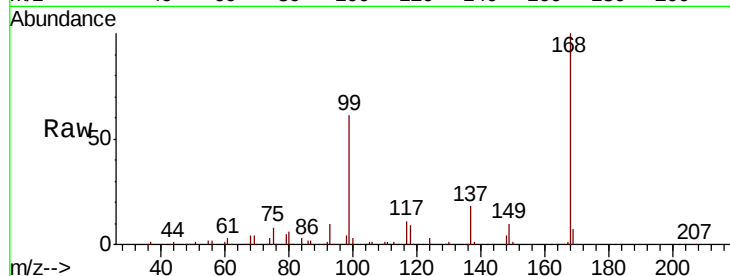
Tot Ion: 56 Resp: 4997

Ion Ratio Lower Upper

56 100

69 178.3 27.8 41.8#

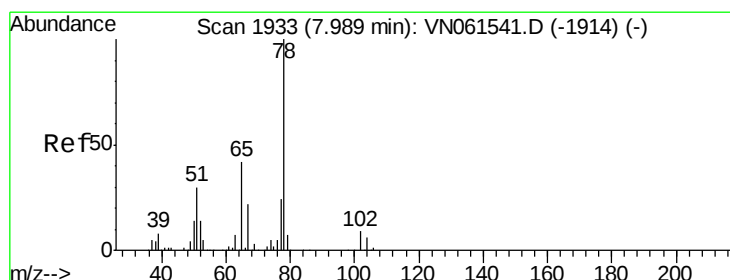
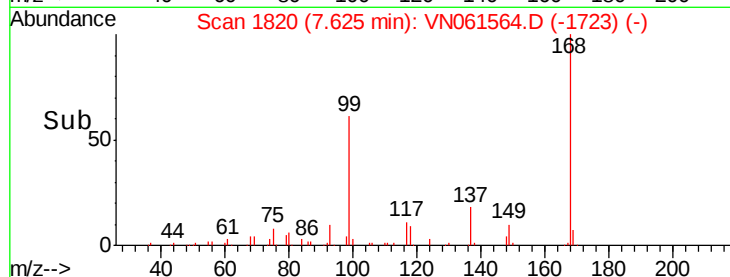
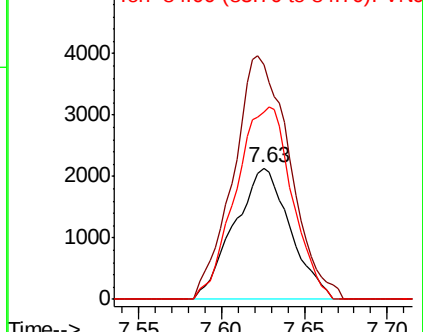
84 142.3 79.9 119.9#



Abundance Ion 56.00 (55.70 to 56.70): VN061541.D (-1794) (-)

Ion 69.00 (68.70 to 69.70): VN061541.D (-1794) (-)

Ion 84.00 (83.70 to 84.70): VN061541.D (-1794) (-)



#33

1,2-Dichloroethane-d4

Concen: 52.583 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061564.D

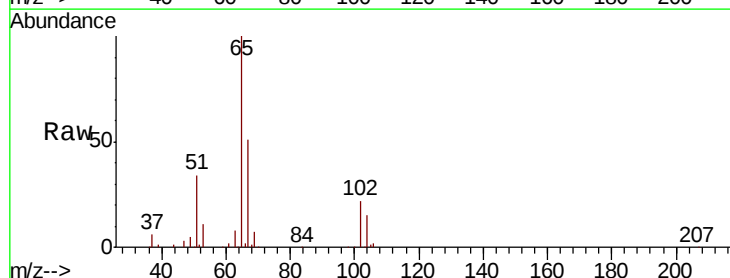
Acq: 29 May 2020 14:01

Tgt Ion: 65 Resp: 160230

Ion Ratio Lower Upper

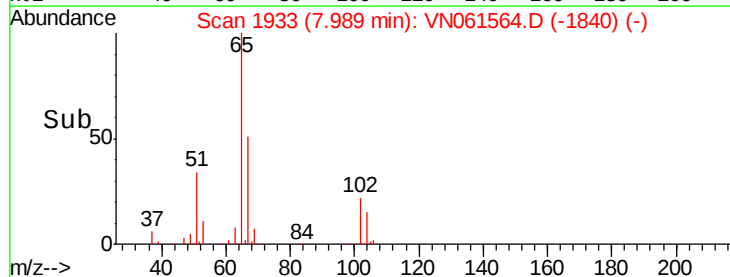
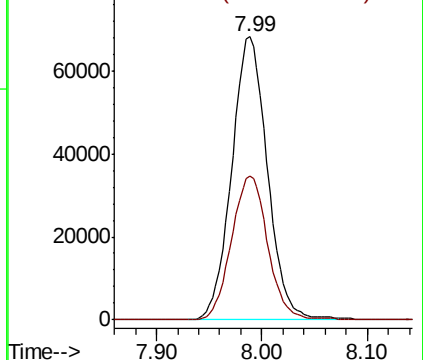
65 100

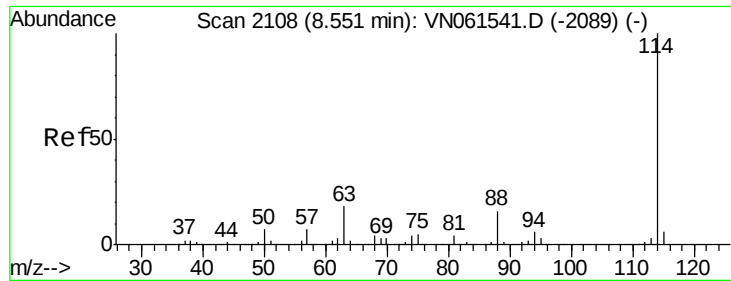
67 51.4 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VN061541.D (-1914) (-)

Ion 66.90 (66.60 to 67.60): VN061541.D (-1914) (-)

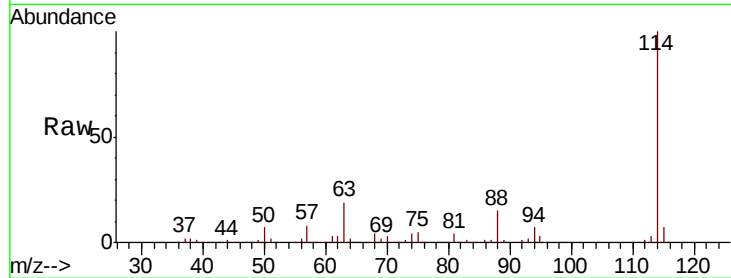




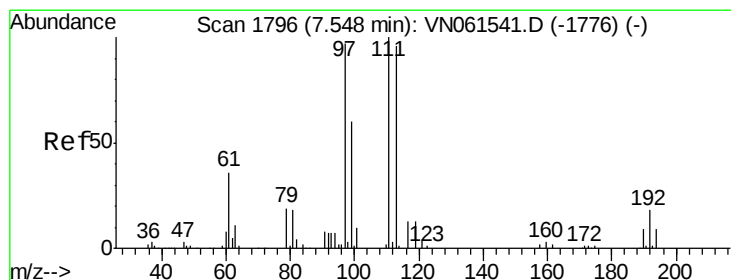
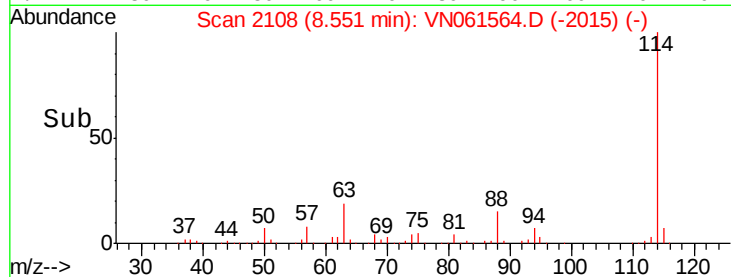
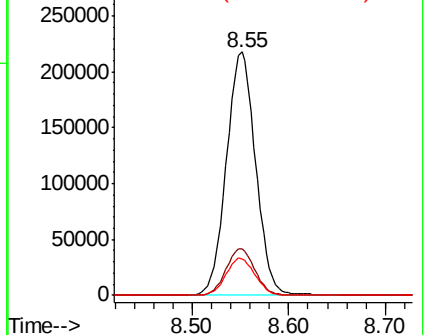
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. 0.00 min
Lab File: VN061564.D
Acq: 29 May 2020 14:01

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 457601
Ion Ratio Lower Upper
114 100
63 19.1 0.0 35.8
88 15.1 0.0 31.0

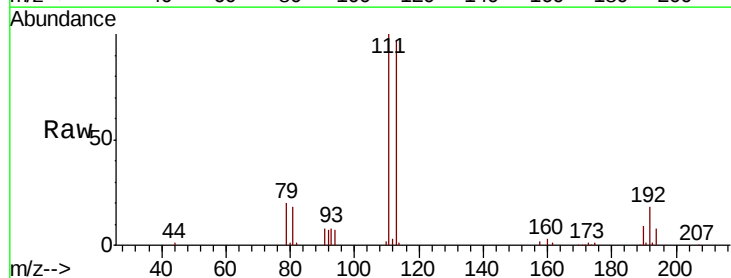


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

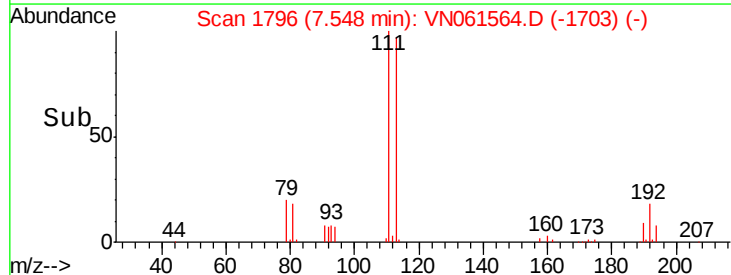
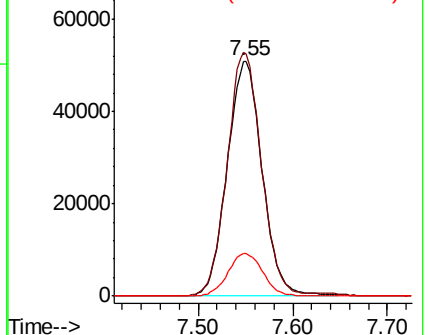


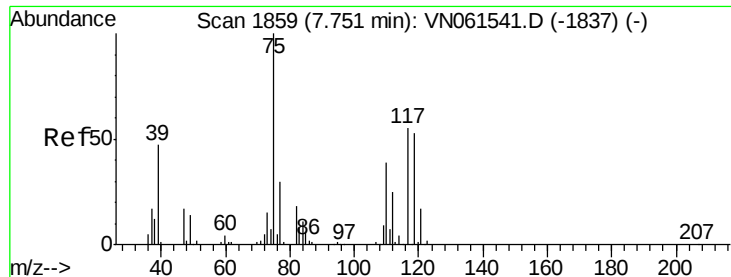
#35
Dibromofluoromethane
Concen: 56.215 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN061564.D
Acq: 29 May 2020 14:01

Tgt Ion:113 Resp: 130493
Ion Ratio Lower Upper
113 100
111 102.2 83.4 125.0
192 18.1 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

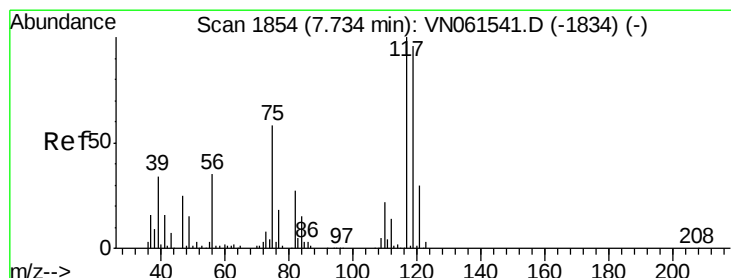
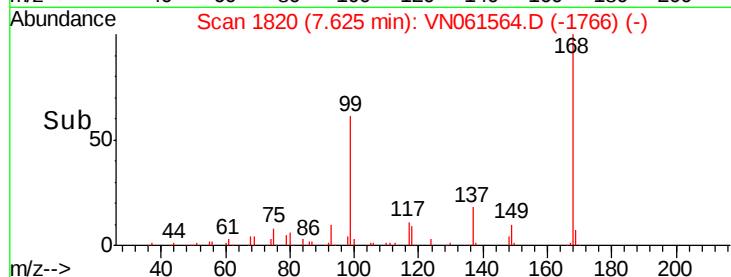
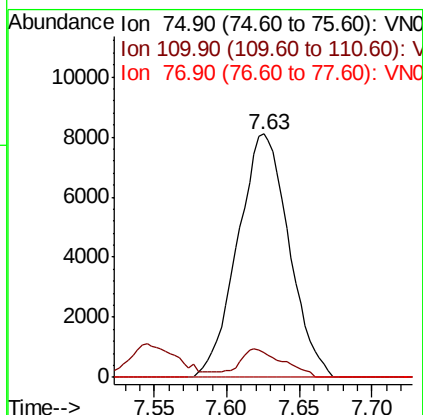
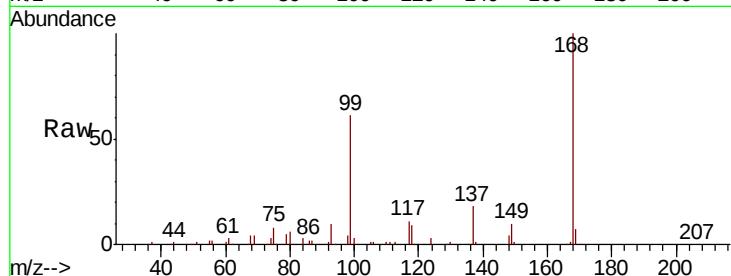




#36
 1,1-Dichloropropene
 Concen: 4.919 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061564.D
 Acq: 29 May 2020 14:01

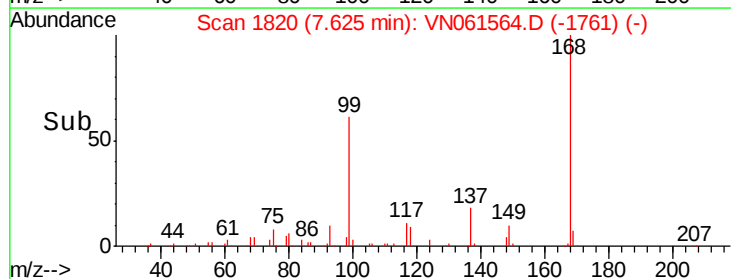
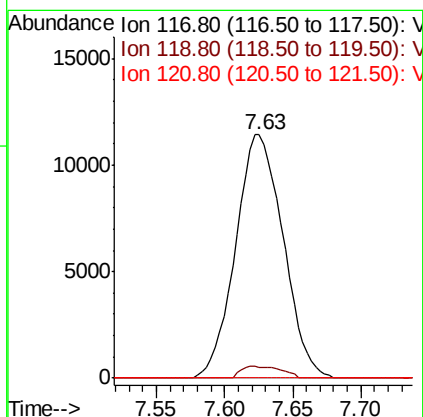
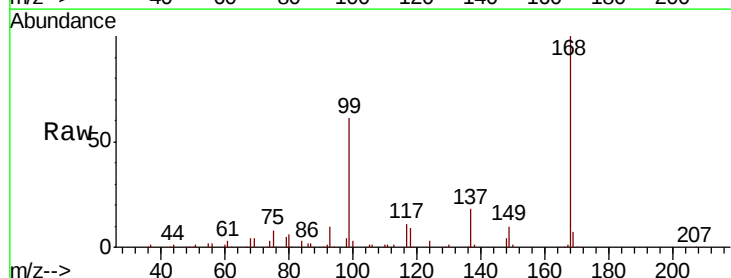
Instrument :
 MSVOA_N
 ClientSampled :

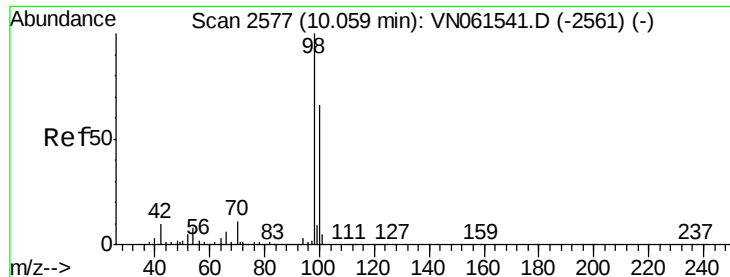
Tot Ion	Ratio	Lower	Upper
75	100		
110	9.7	19.5	58.5#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 7.093 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN061564.D
 Acq: 29 May 2020 14:01

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.5	76.5	114.7#
121	0.0	24.1	36.1#





#50

Toluene-d8

Concen: 51.338 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061564.D

Acq: 29 May 2020 14:01

Instrument :

MSVOA_N

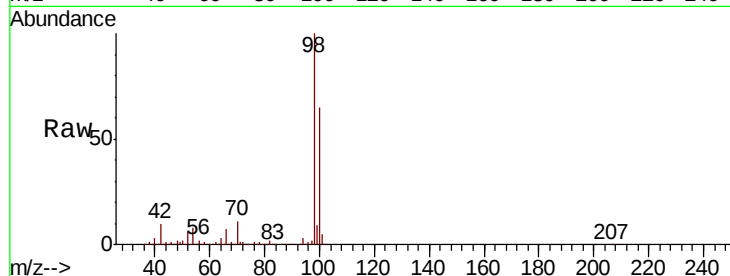
ClientSampleId :

Tot Ion: 98 Resp: 552264

Ion Ratio Lower Upper

98 100

100 65.6 52.8 79.2



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

Ion 100.00 (99.70 to 100.70): VN061541.D (-2561) (-)

10.06

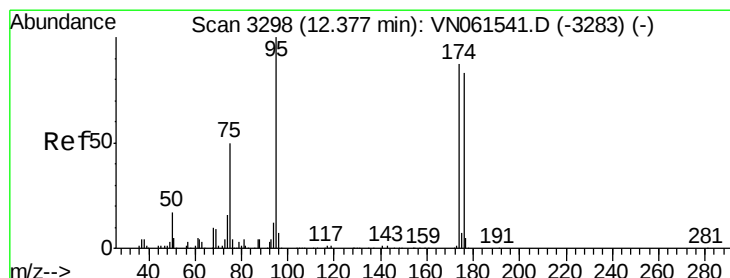
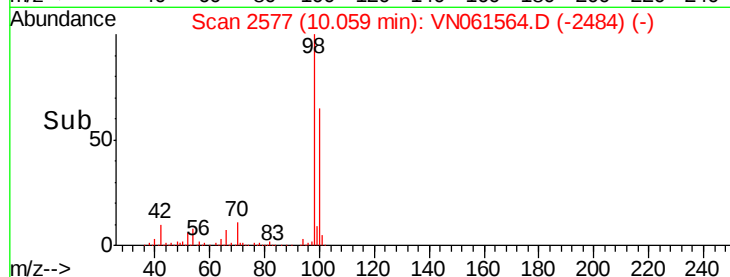
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 50.490 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061564.D

Acq: 29 May 2020 14:01

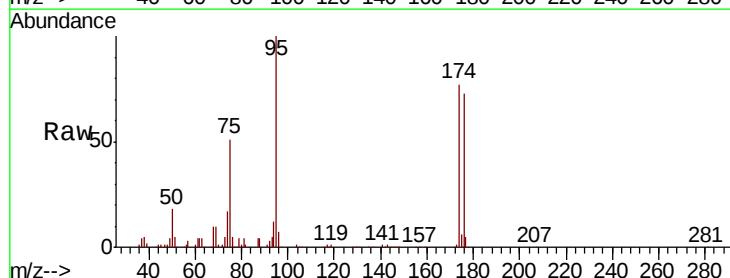
Tgt Ion: 95 Resp: 198157

Ion Ratio Lower Upper

95 100

174 76.3 0.0 172.8

176 72.4 0.0 164.8



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

Ion 173.80 (173.50 to 174.50): VN061541.D (-3283) (-)

Ion 175.80 (175.50 to 176.50): VN061541.D (-3283) (-)

12.38

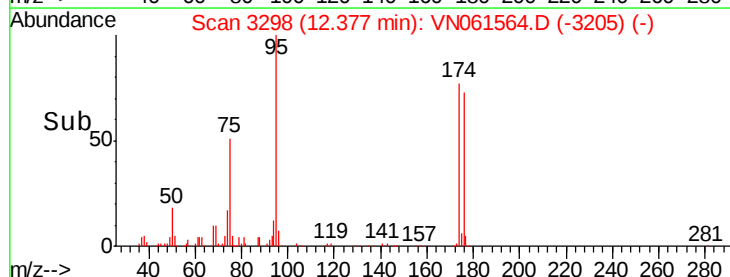
150000

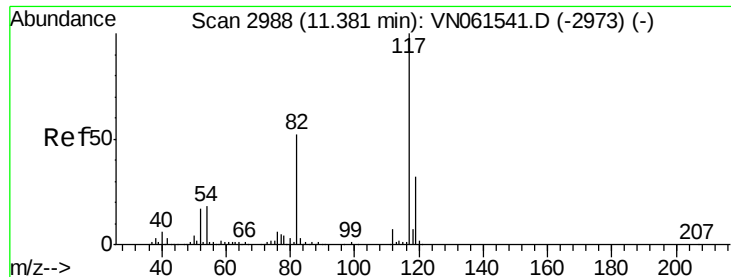
100000

50000

0

Time-->

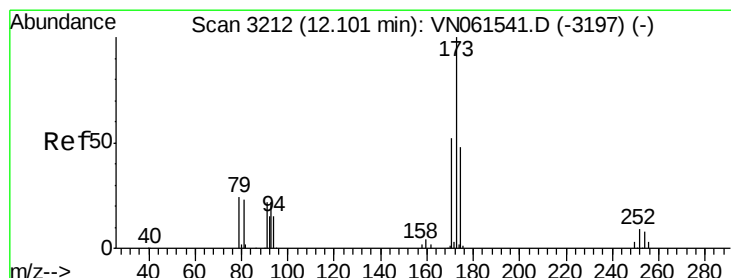
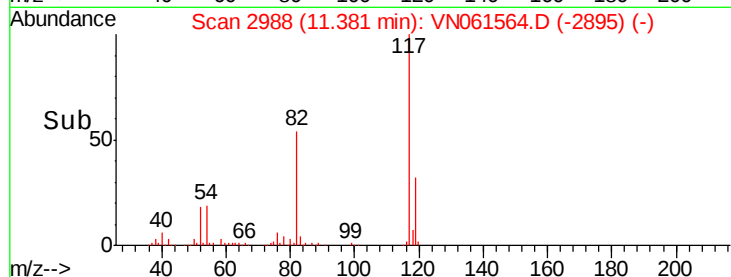
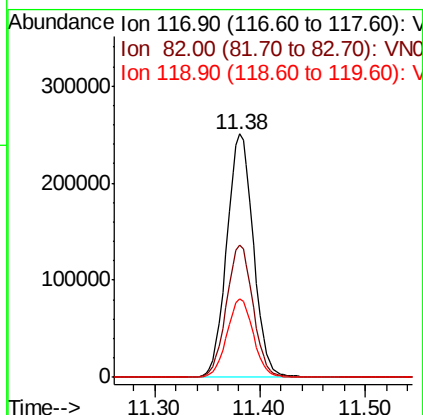
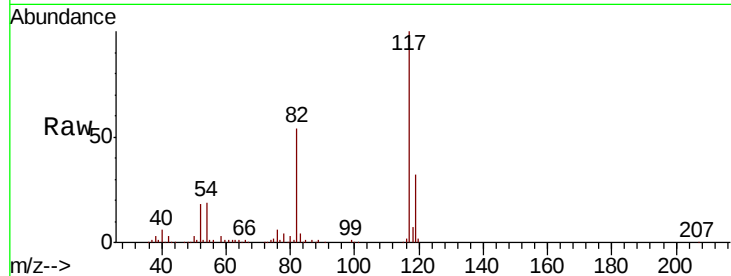




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061564.D
Acq: 29 May 2020 14:01

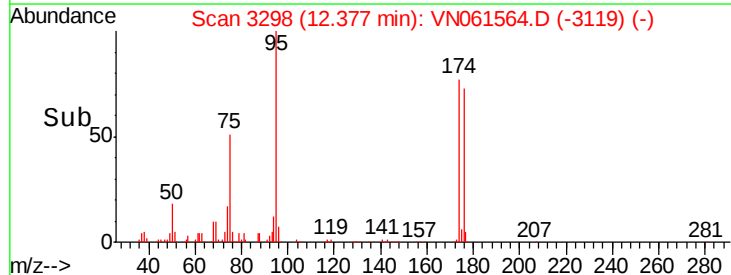
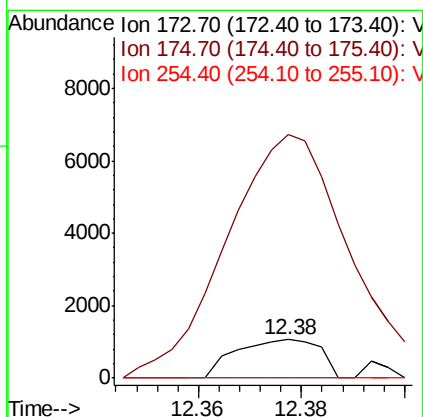
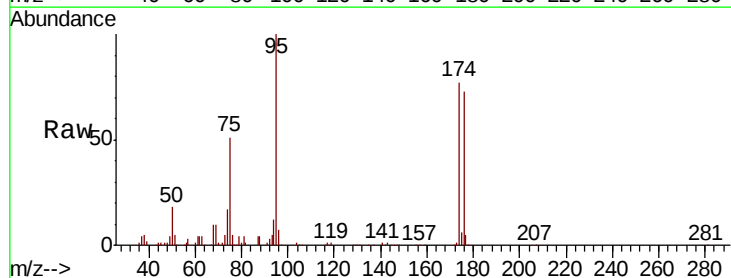
Instrument :
MSVOA_N
ClientSampleId :

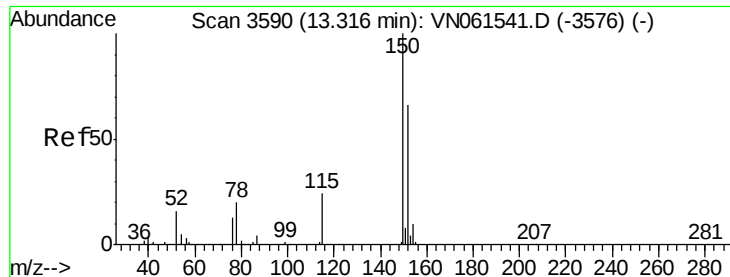
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.5	41.5	62.3
119	32.1	25.6	38.4



#71
Bromoform
Concen: 0.462 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN061564.D
Acq: 29 May 2020 14:01

Tgt Ion	Ratio	Lower	Upper
173	100		
175	777.4	24.4	73.2#
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061564.D

Acq: 29 May 2020 14:01

Instrument :

MSVOA_N

ClientSampleId :

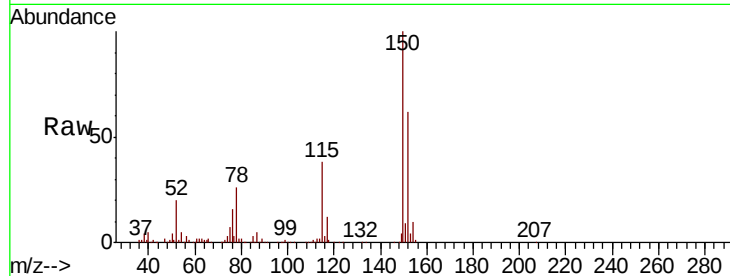
Tot Ion:152 Resp: 183252

Ion Ratio Lower Upper

152 100

115 59.5 28.0 84.0

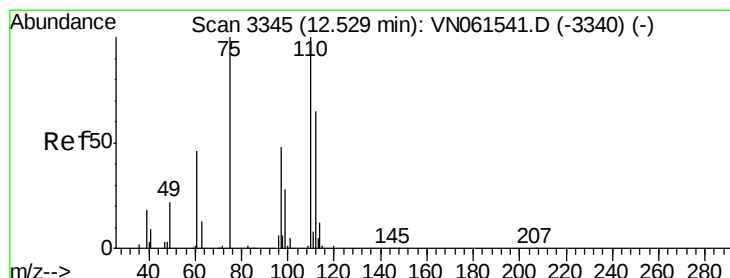
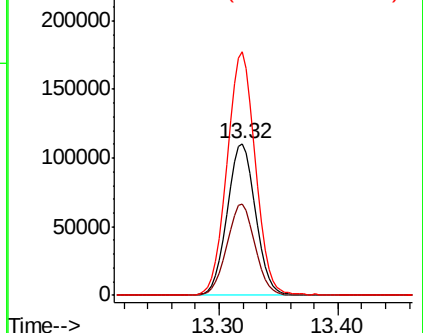
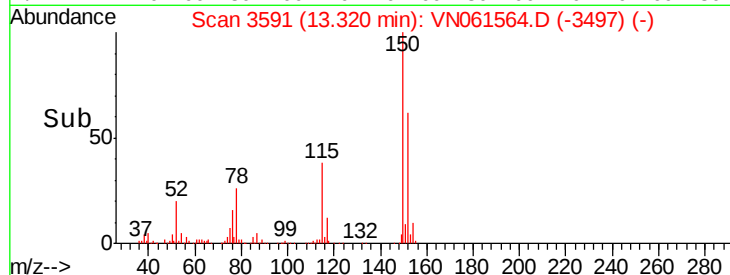
150 159.3 0.0 344.0



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: 30.414 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061564.D

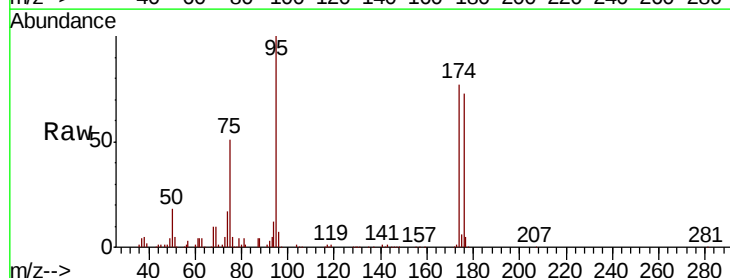
Acq: 29 May 2020 14:01

Tgt Ion: 75 Resp: 101347

Ion Ratio Lower Upper

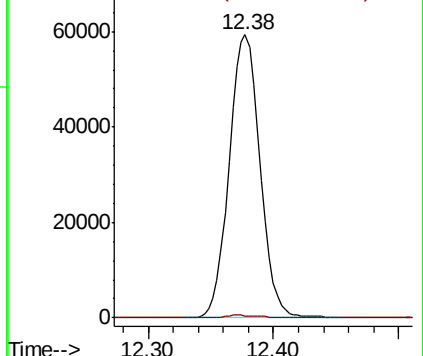
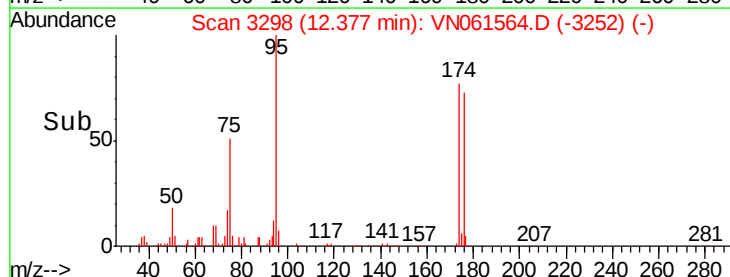
75 100

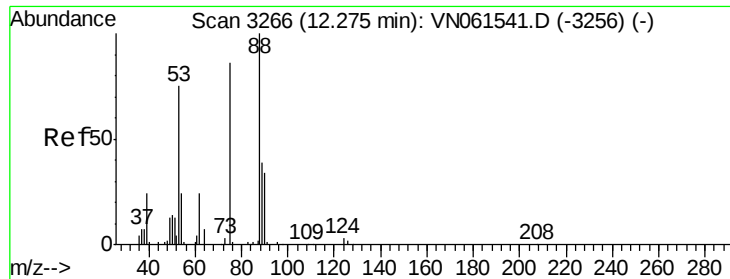
77 1.0 0.0 0.0#



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: 77.777 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061564.D

Acq: 29 May 2020 14:01

Instrument :

MSVOA_N

ClientSampled :

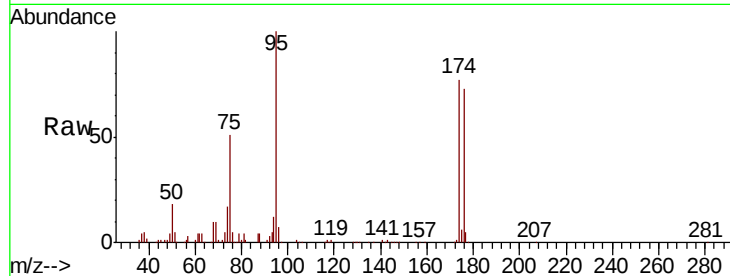
Tot Ion: 75 Resp: 101347

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

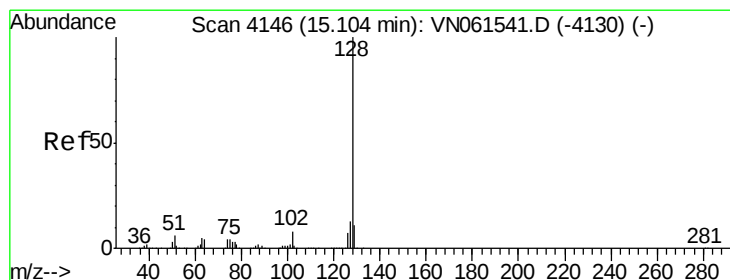
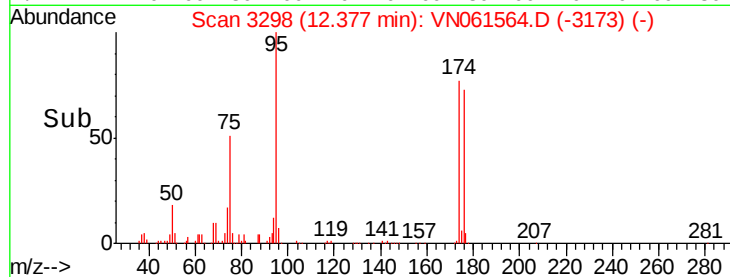
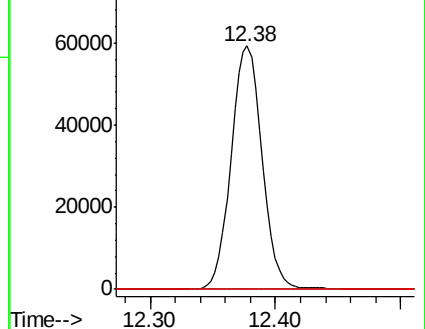
89 0.0 37.1 55.7#



Abundance Ion 74.90 (74.60 to 75.60): VN061564.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN061564.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN061564.D (-3173) (-)



#95

Naphthalene

Concen: 0.232 ug/l

RT: 15.10 min Scan# 4146

Delta R.T. 0.00 min

Lab File: VN061564.D

Acq: 29 May 2020 14:01

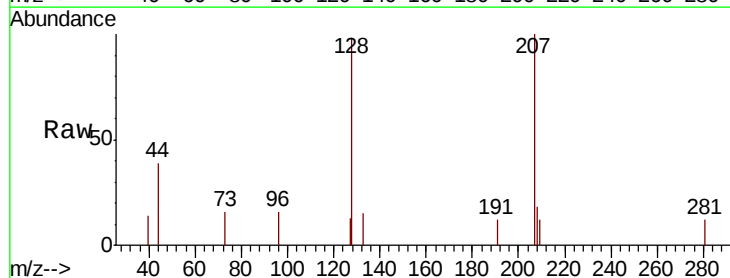
Tgt Ion: 128 Resp: 2387

Ion Ratio Lower Upper

128 100

127 7.2 10.0 15.0#

129 3.9 8.5 12.7#



Abundance Ion 128.00 (127.70 to 128.70): VN061564.D (-4053) (-)

Ion 127.00 (126.70 to 127.70): VN061564.D (-4053) (-)

Ion 129.00 (128.70 to 129.70): VN061564.D (-4053) (-)

