

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052920\
 Data File : VN061567.D
 Acq On : 29 May 2020 15:12
 Operator : JC/MD
 Sample : L2803-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 30 04:43:14 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	278292	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	496674	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	483725	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	214917	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	178671	53.89	ug/l	0.00
Spiked Amount			Recovery	=	107.78%	
35) Dibromofluoromethane	7.55	113	138506	54.97	ug/l	0.00
Spiked Amount			Recovery	=	109.94%	
50) Toluene-d8	10.06	98	620141	53.11	ug/l	0.00
Spiked Amount			Recovery	=	106.22%	
62) 4-Bromofluorobenzene	12.38	95	227005	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	

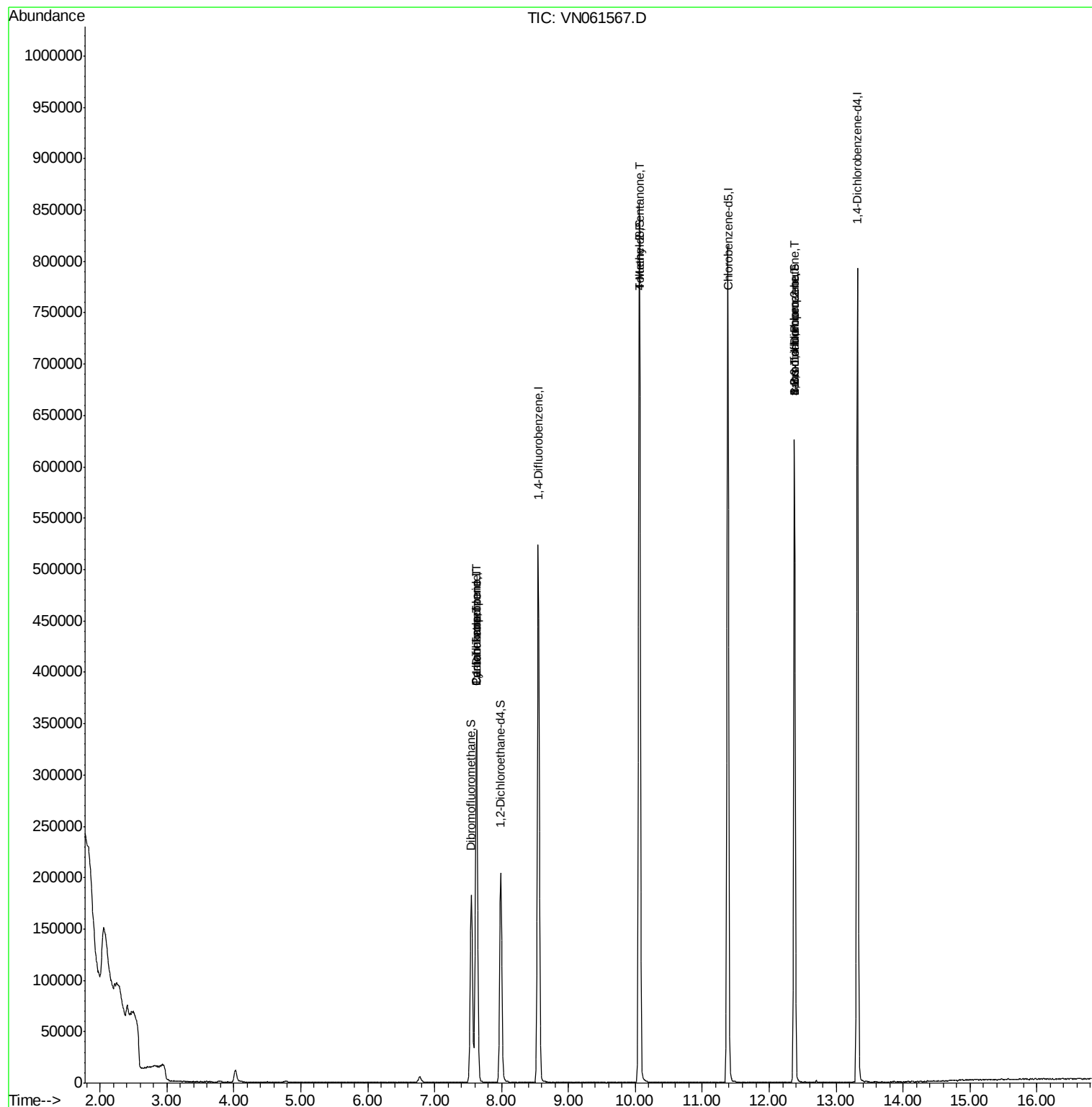
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.79	43	1818	Below Cal		91
20) Methylene Chloride	4.51	84	245	Below Cal	#	11
31) Cyclohexane	7.62	56	5726	1.225	ug/l #	13
36) 1,1-Dichloropropene	7.63	75	21848	4.969	ug/l #	49
38) Carbon Tetrachloride	7.63	117	27781	6.550	ug/l #	16
51) 4-Methyl-2-Pentanone	10.06	43	2364	0.658	ug/l #	1
71) Bromoform	12.37	173	1705	0.591	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	113139	28.950	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	113139	74.034	ug/l #	15

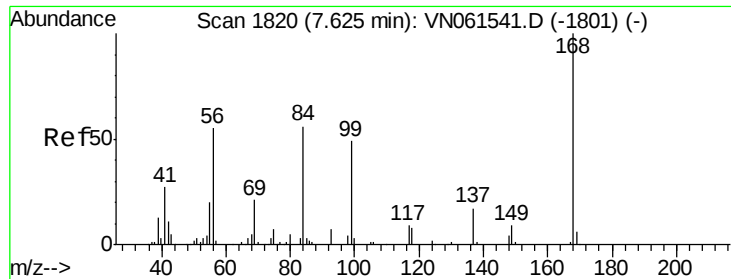
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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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: VN061567.D

Acq: 29 May 2020 15:12

Instrument :

MSVOA_N

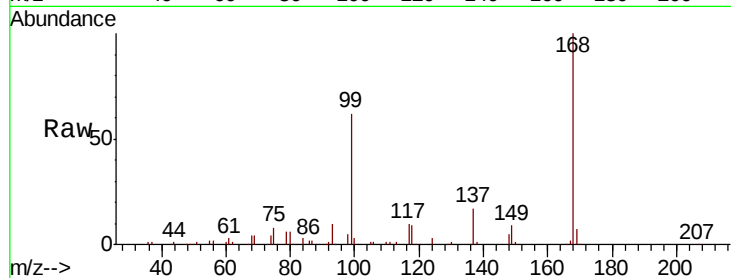
ClientSampled :

Tot Ion:168 Resp: 278292

Ion Ratio Lower Upper

168 100

99 61.8 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

120000

100000

80000

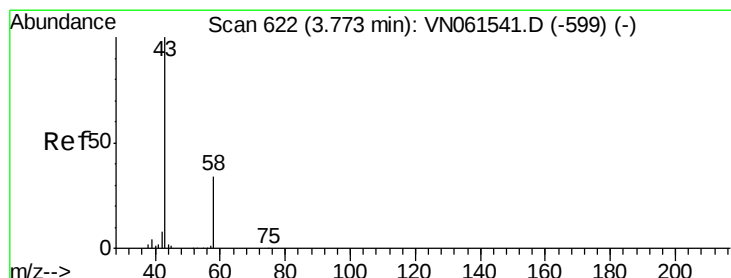
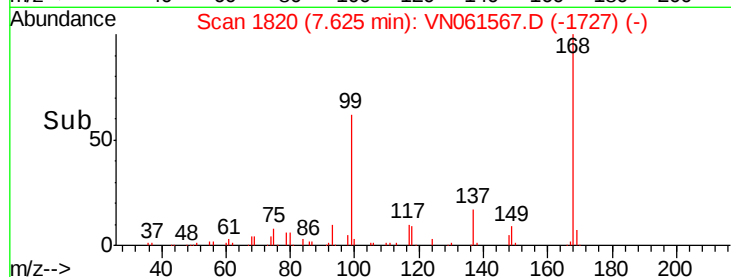
60000

40000

20000

0

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN061567.D

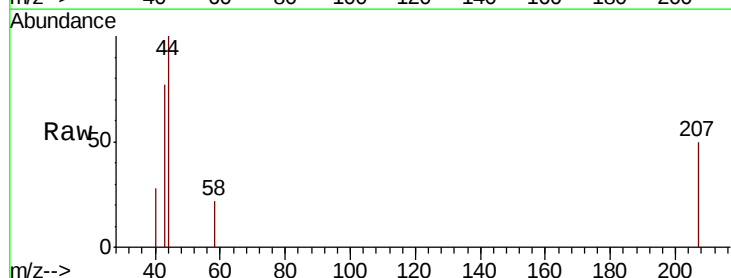
Acq: 29 May 2020 15:12

Tgt Ion: 43 Resp: 1818

Ion Ratio Lower Upper

43 100

58 29.0 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.79

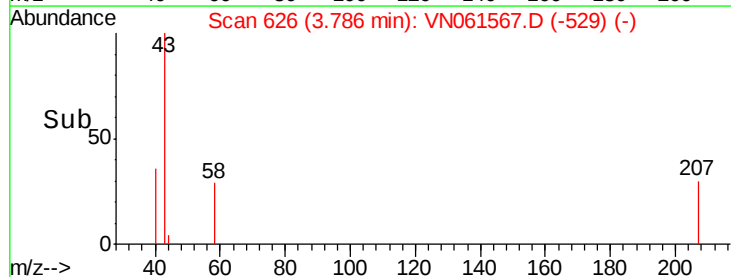
600

400

200

0

Time-->

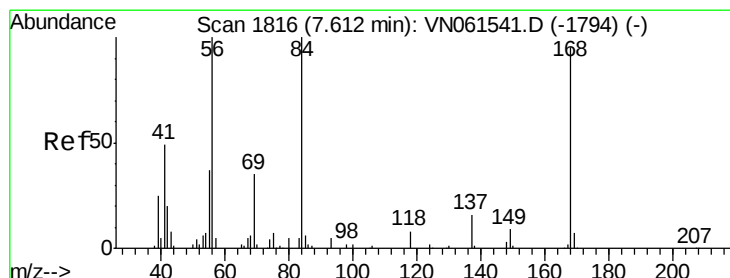
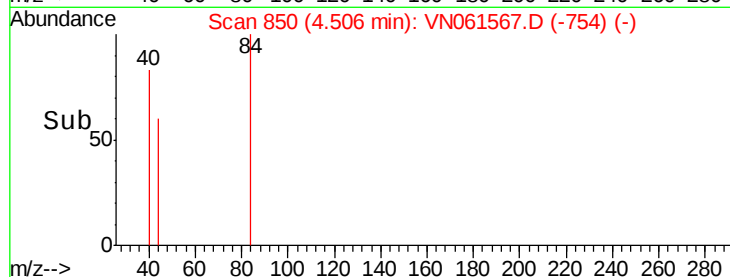
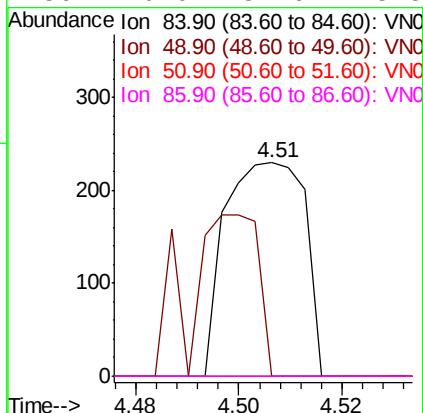
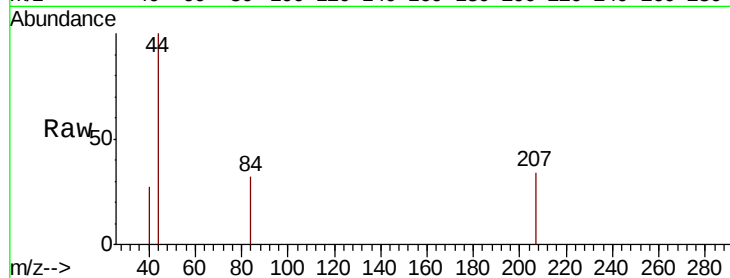




#20
Methvlene Chloride
Concen: Below Cal
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN061567.D
Acq: 29 May 2020 15:12

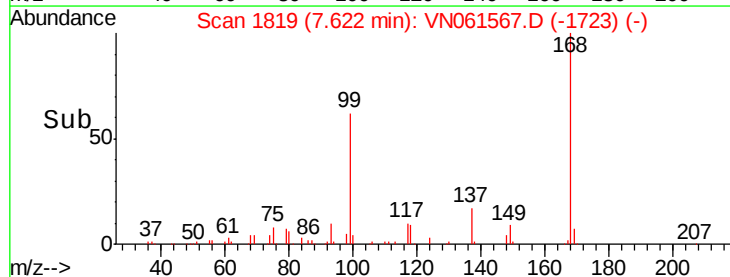
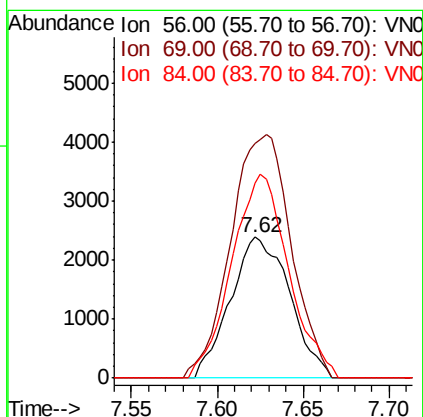
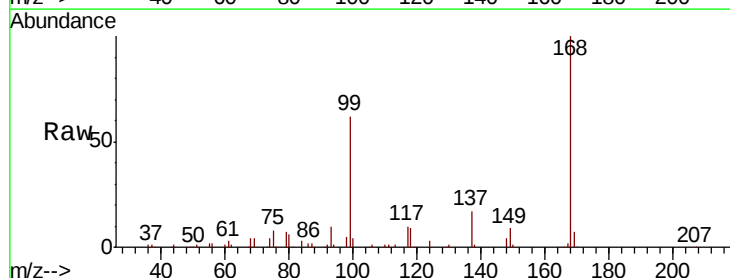
Instrument :
MSVOA_N
ClientSampleId :

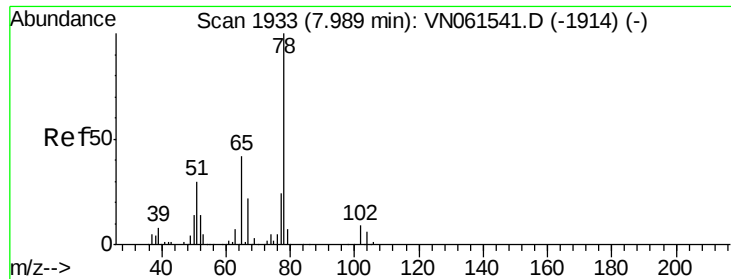
Tot Ion: 84 Resp: 245
Ion Ratio Lower Upper
84 100
49 0.0 85.8 128.8#
51 0.0 26.2 39.2#
86 0.0 52.6 78.8#



#31
Cyclohexane
Concen: 1.225 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN061567.D
Acq: 29 May 2020 15:12

Tgt Ion: 56 Resp: 5726
Ion Ratio Lower Upper
56 100
69 166.2 27.8 41.8#
84 138.8 79.9 119.9#





#33

1,2-Dichloroethane-d4

Concen: 53.887 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061567.D

Acq: 29 May 2020 15:12

Instrument :

MSVOA_N

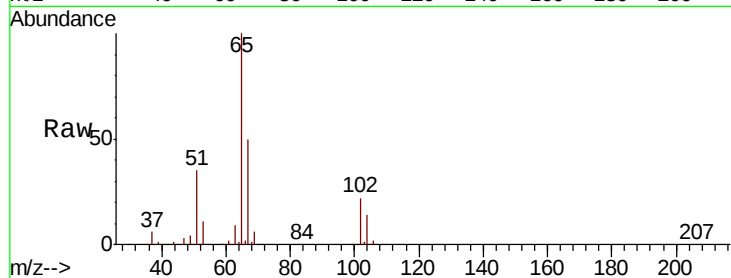
ClientSampleId :

Tot Ion: 65 Resp: 178671

Ion Ratio Lower Upper

65 100

67 50.5 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) (-)

7.99

80000

60000

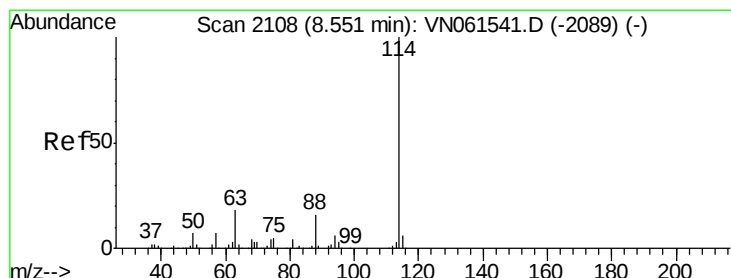
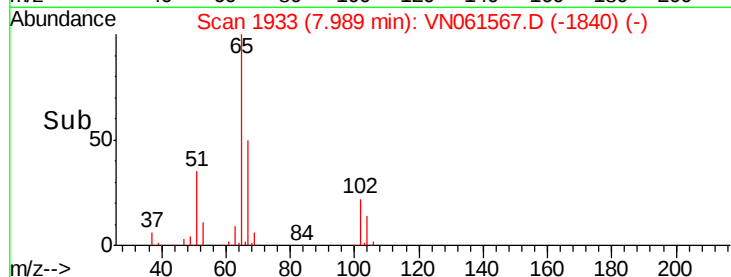
40000

20000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN061567.D

Acq: 29 May 2020 15:12

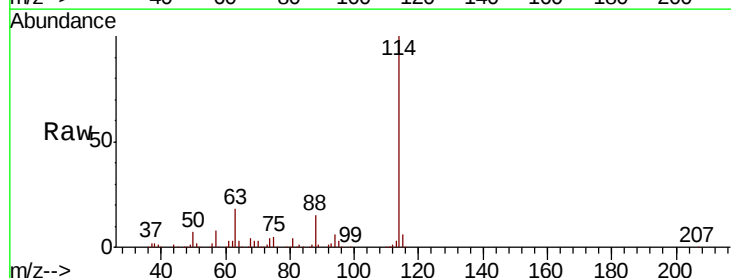
Tgt Ion: 114 Resp: 496674

Ion Ratio Lower Upper

114 100

63 18.4 0.0 35.8

88 15.3 0.0 31.0



Abundance Ion 113.90 (113.60 to 114.60): VN061541.D (-2089) (-)

Ion 63.00 (62.70 to 63.70): VN061541.D (-2089) (-)

Ion 87.90 (87.60 to 88.60): VN061541.D (-2089) (-)

8.55

300000

250000

200000

150000

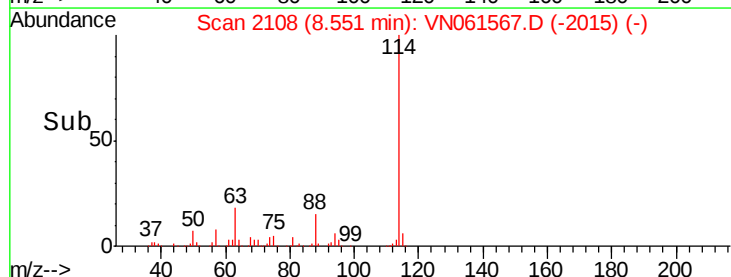
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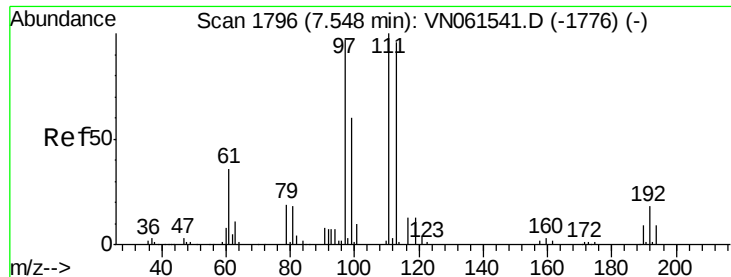
50000

0

8.50 8.60

Time-->

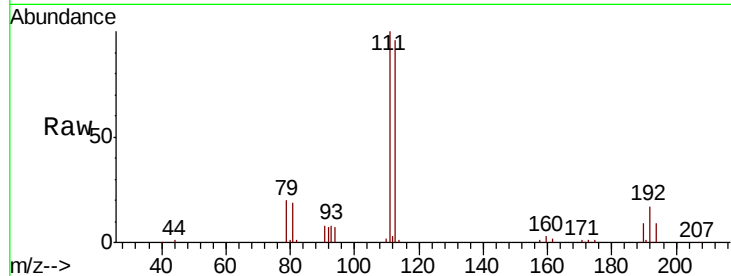




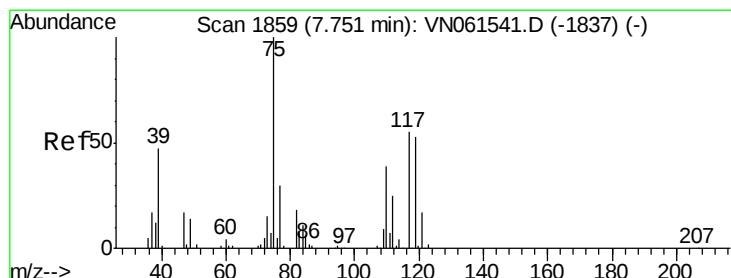
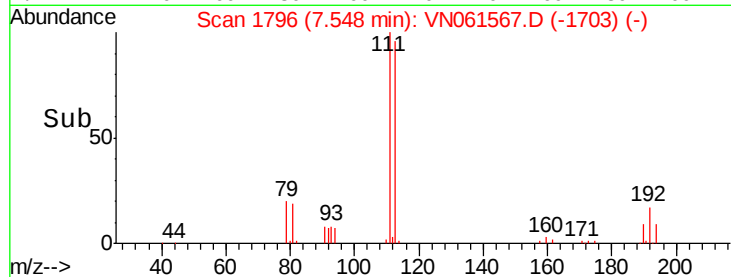
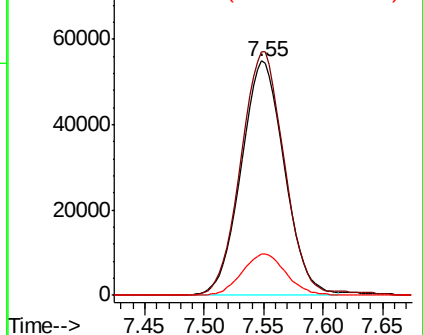
#35
 Dibromofluoromethane
 Concen: 54.973 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061567.D
 Acq: 29 May 2020 15:12

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.5	83.4	125.0
192	17.9	15.4	23.2

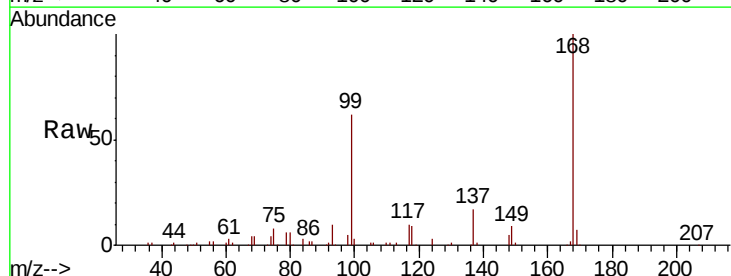


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

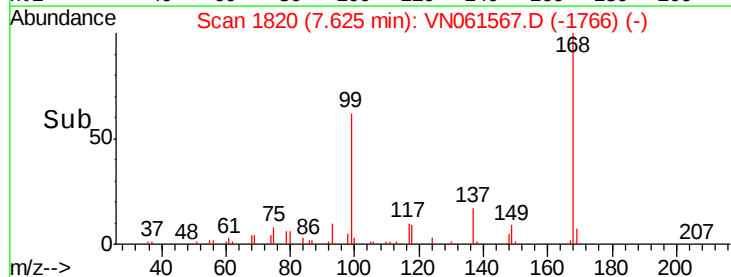
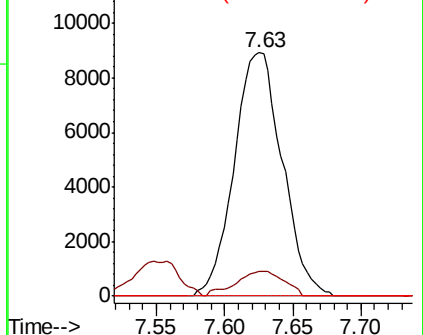


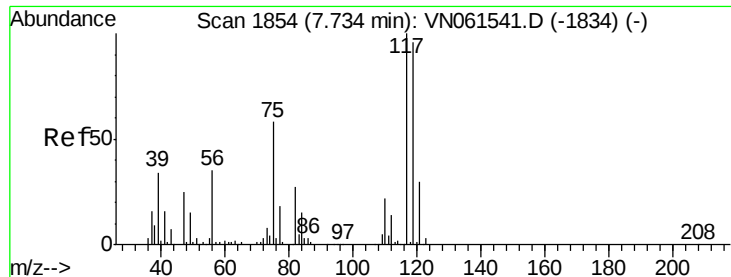
#36
 1,1-Dichloropropene
 Concen: 4.969 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061567.D
 Acq: 29 May 2020 15:12

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.2	19.5	58.5#
77	0.0	24.7	37.1#



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

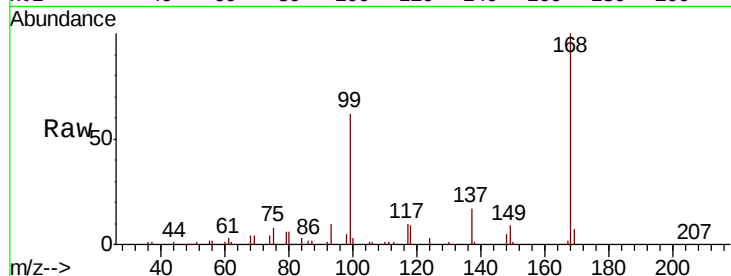




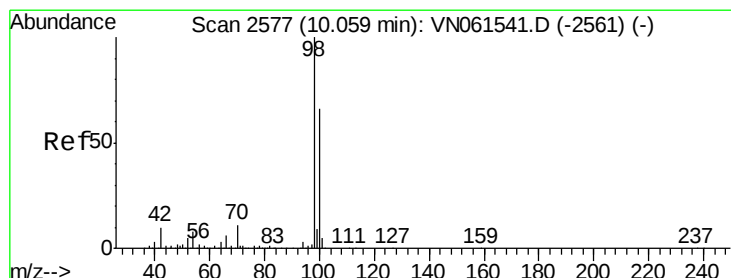
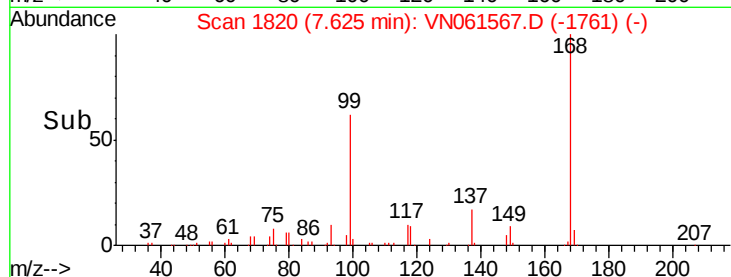
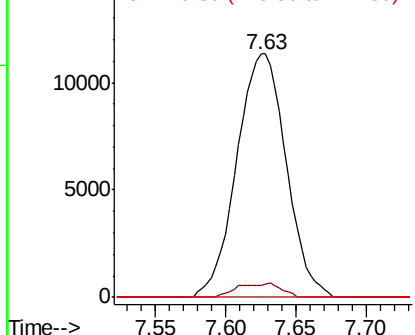
#38
Carbon Tetrachloride
Concen: 6.550 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN061567.D
Acq: 29 May 2020 15:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 27781
Ion Ratio Lower Upper
117 100
119 4.8 76.5 114.7#
121 0.0 24.1 36.1#

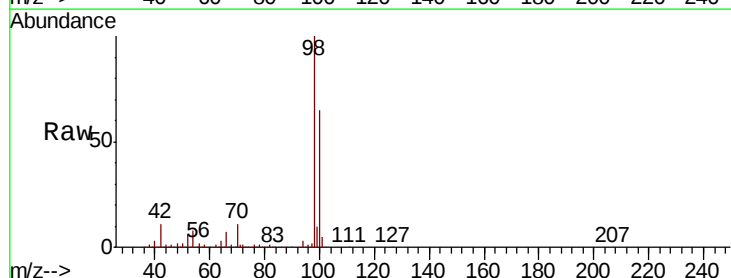


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

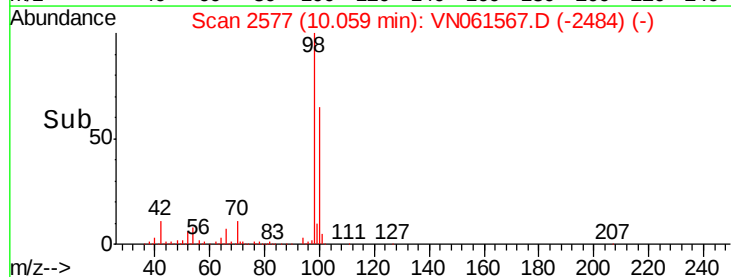
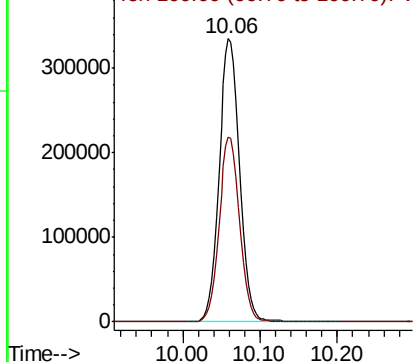


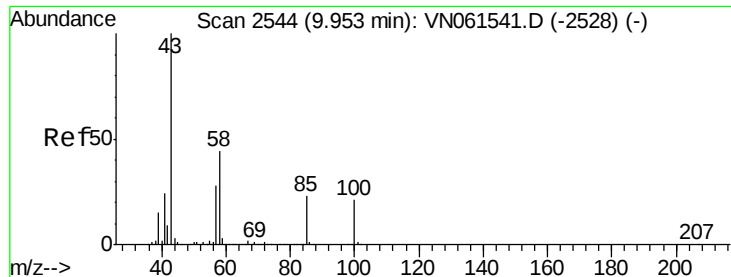
#50
Toluene-d8
Concen: 53.113 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061567.D
Acq: 29 May 2020 15:12

Tgt Ion: 98 Resp: 620141
Ion Ratio Lower Upper
98 100
100 65.0 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.658 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.11 min

Lab File: VN061567.D

Acq: 29 May 2020 15:12

Instrument :

MSVOA_N

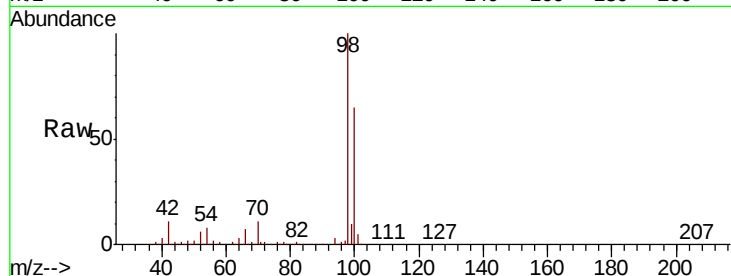
ClientSampled :

Tot Ion: 43 Resp: 2364

Ion Ratio Lower Upper

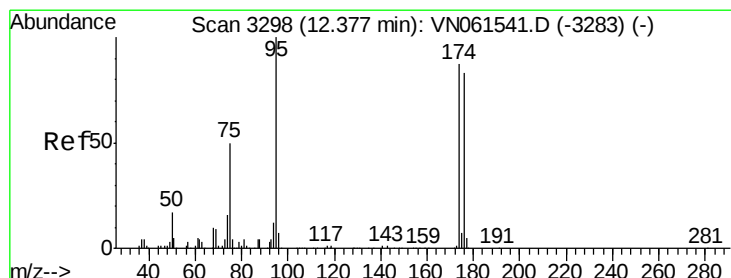
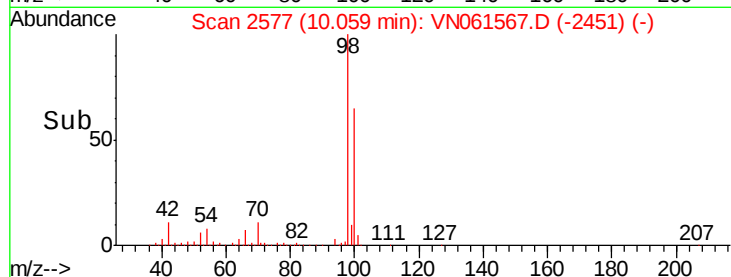
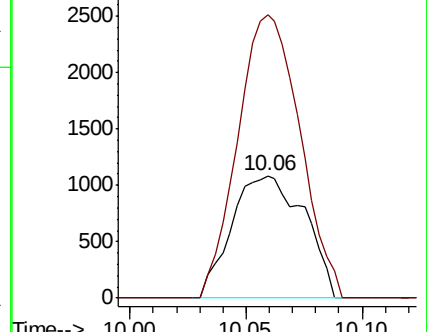
43 100

58 198.2 35.0 52.6#



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN061541.D (-2528) (-)



#62

4-Bromofluorobenzene

Concen: 53.291 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061567.D

Acq: 29 May 2020 15:12

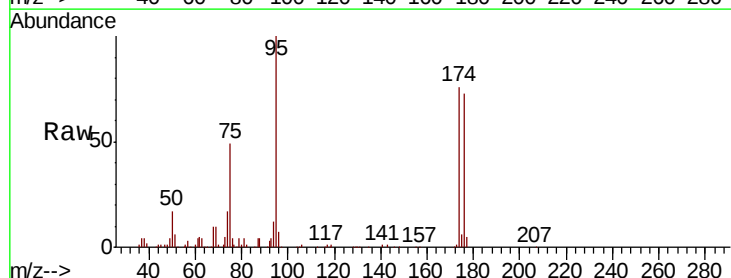
Tgt Ion: 95 Resp: 227005

Ion Ratio Lower Upper

95 100

174 75.7 0.0 172.8

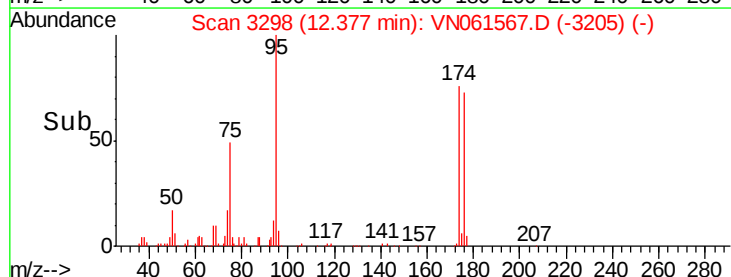
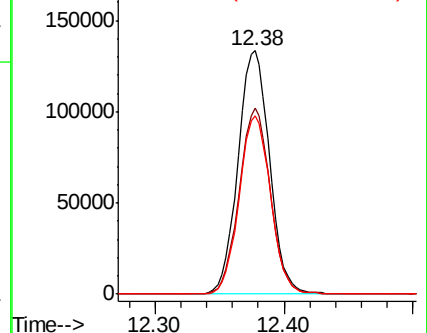
176 72.9 0.0 164.8

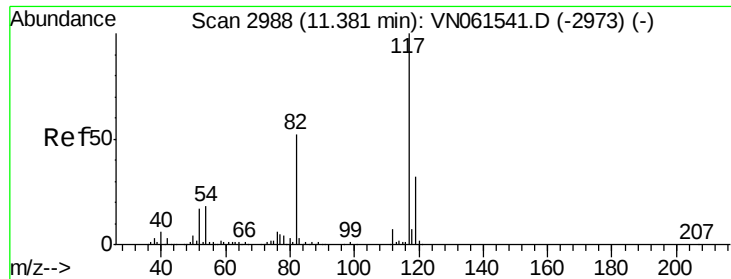


Abundance Ion 94.90 (94.60 to 95.60): VN061541.D (-3283) (-)

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

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

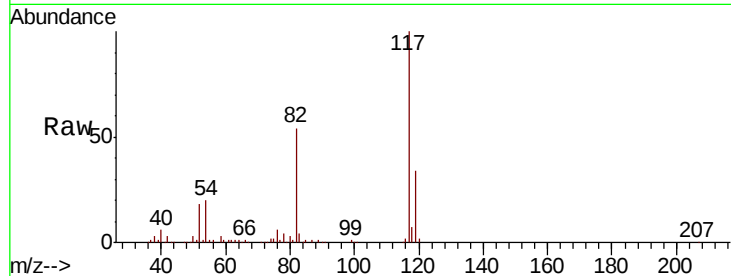




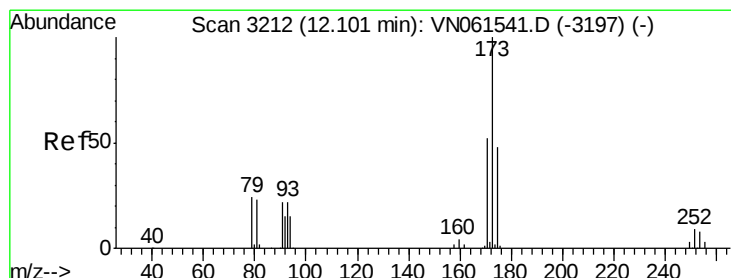
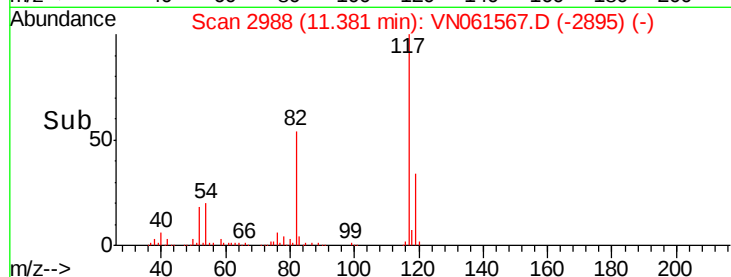
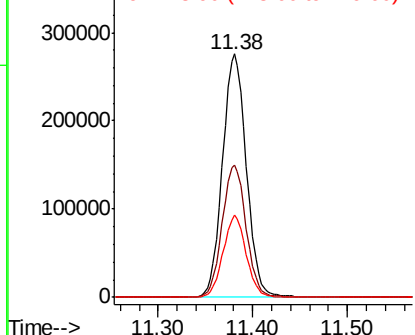
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061567.D
Acq: 29 May 2020 15:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 483725
Ion Ratio Lower Upper
117 100
82 54.4 41.5 62.3
119 33.6 25.6 38.4

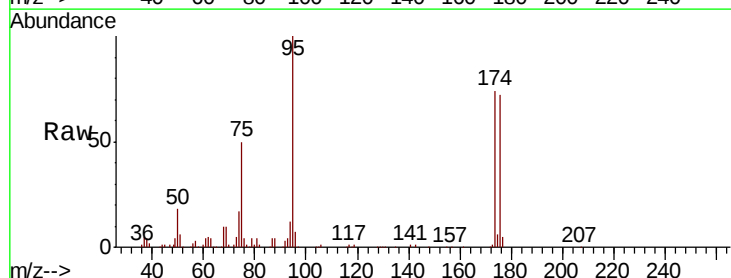


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

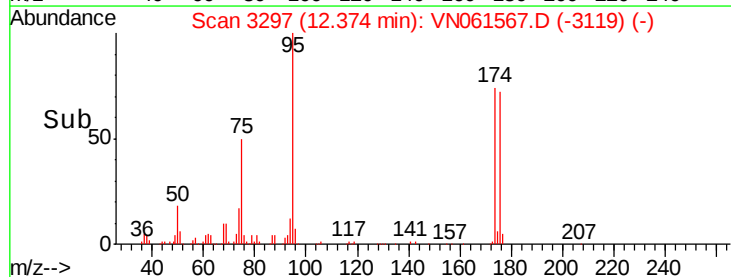
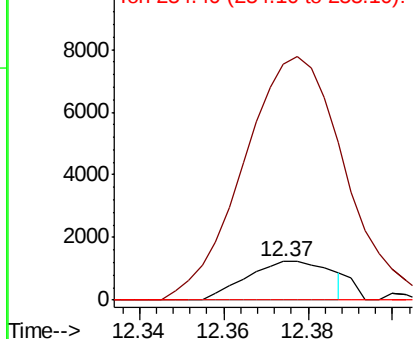


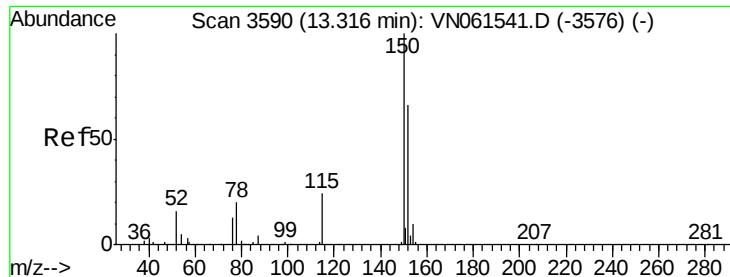
#71
Bromoform
Concen: 0.591 ug/l
RT: 12.37 min Scan# 3297
Delta R.T. 0.27 min
Lab File: VN061567.D
Acq: 29 May 2020 15:12

Tgt Ion:173 Resp: 1705
Ion Ratio Lower Upper
173 100
175 655.7 24.4 73.2#
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: VN061567.D

Acq: 29 May 2020 15:12

Instrument :

MSVOA_N

ClientSampled :

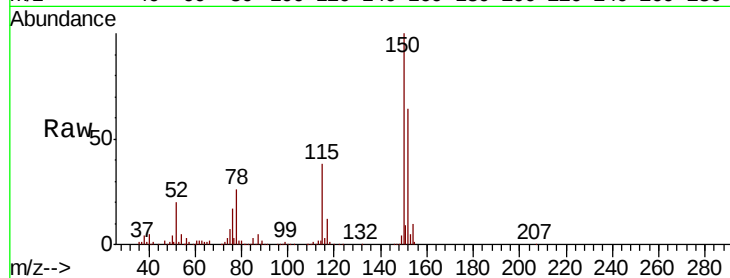
Tot Ion:152 Resp: 214917

Ion Ratio Lower Upper

152 100

115 60.2 28.0 84.0

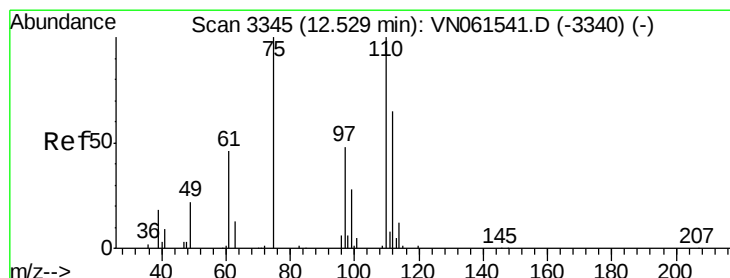
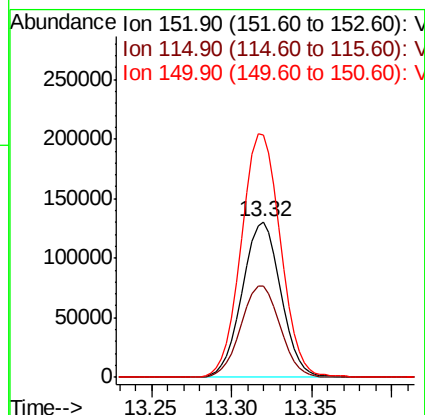
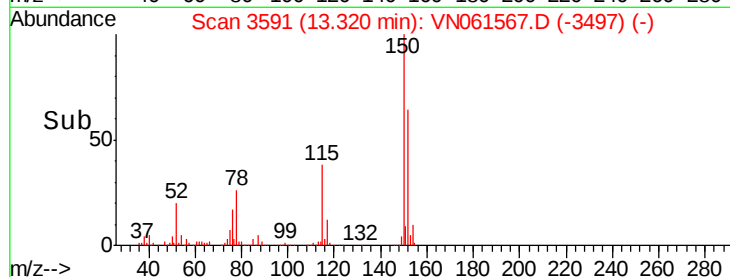
150 159.2 0.0 344.0



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: 28.950 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061567.D

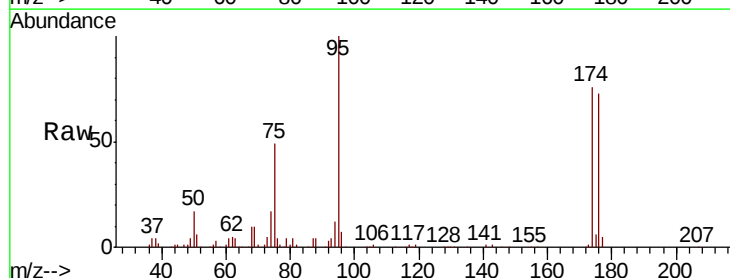
Acq: 29 May 2020 15:12

Tgt Ion: 75 Resp: 113139

Ion Ratio Lower Upper

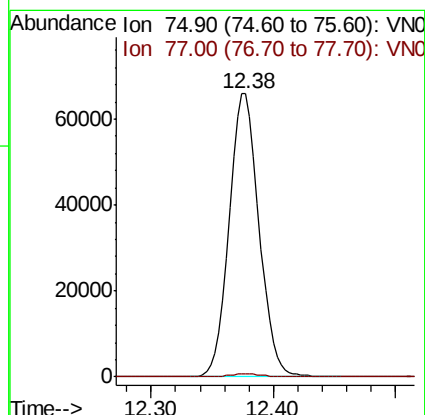
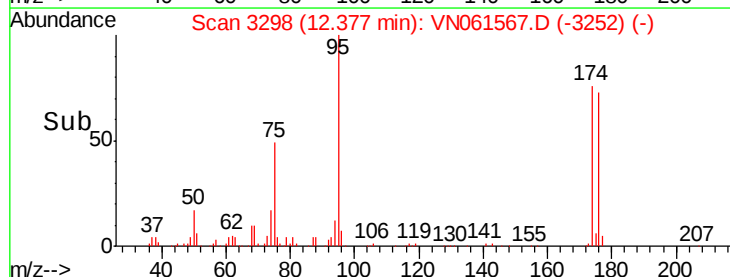
75 100

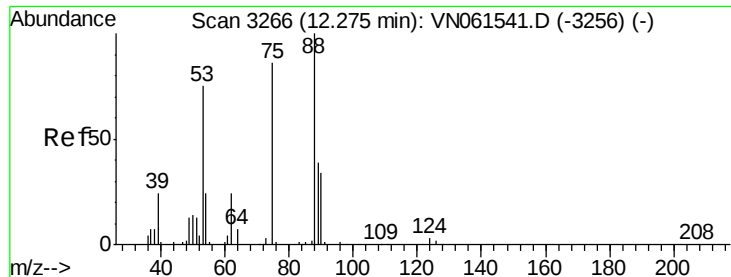
77 1.1 0.0 0.0#



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: 74.034 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061567.D

Acq: 29 May 2020 15:12

Instrument :

MSVOA_N

ClientSampleId :

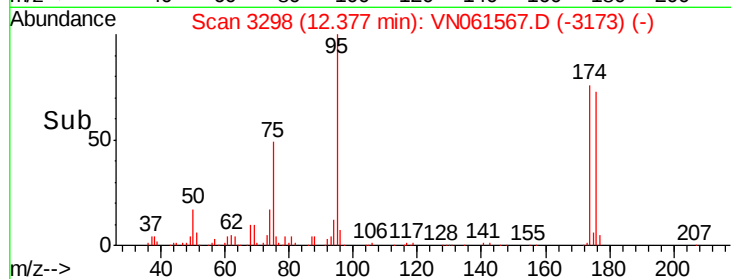
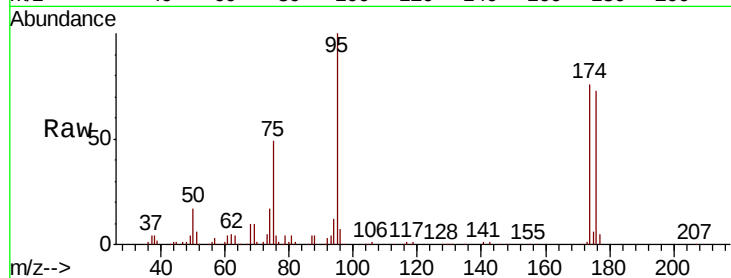
Tot Ion: 75 Resp: 113139

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

