

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064840.D
 Acq On : 25 Nov 2020 3:54
 Operator : JC/MD
 Sample : L4798-08 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118

Quant Time: Nov 25 06:00:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112320W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 23 13:54:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	160487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	282824	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	293781	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	128951	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	100208	53.71	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	107.42%
35) Dibromofluoromethane	7.55	113	90975	53.76	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	107.52%
50) Toluene-d8	10.06	98	356573	51.57	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	103.14%
62) 4-Bromofluorobenzene	12.37	95	133011	53.75	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	107.50%

Target Compounds

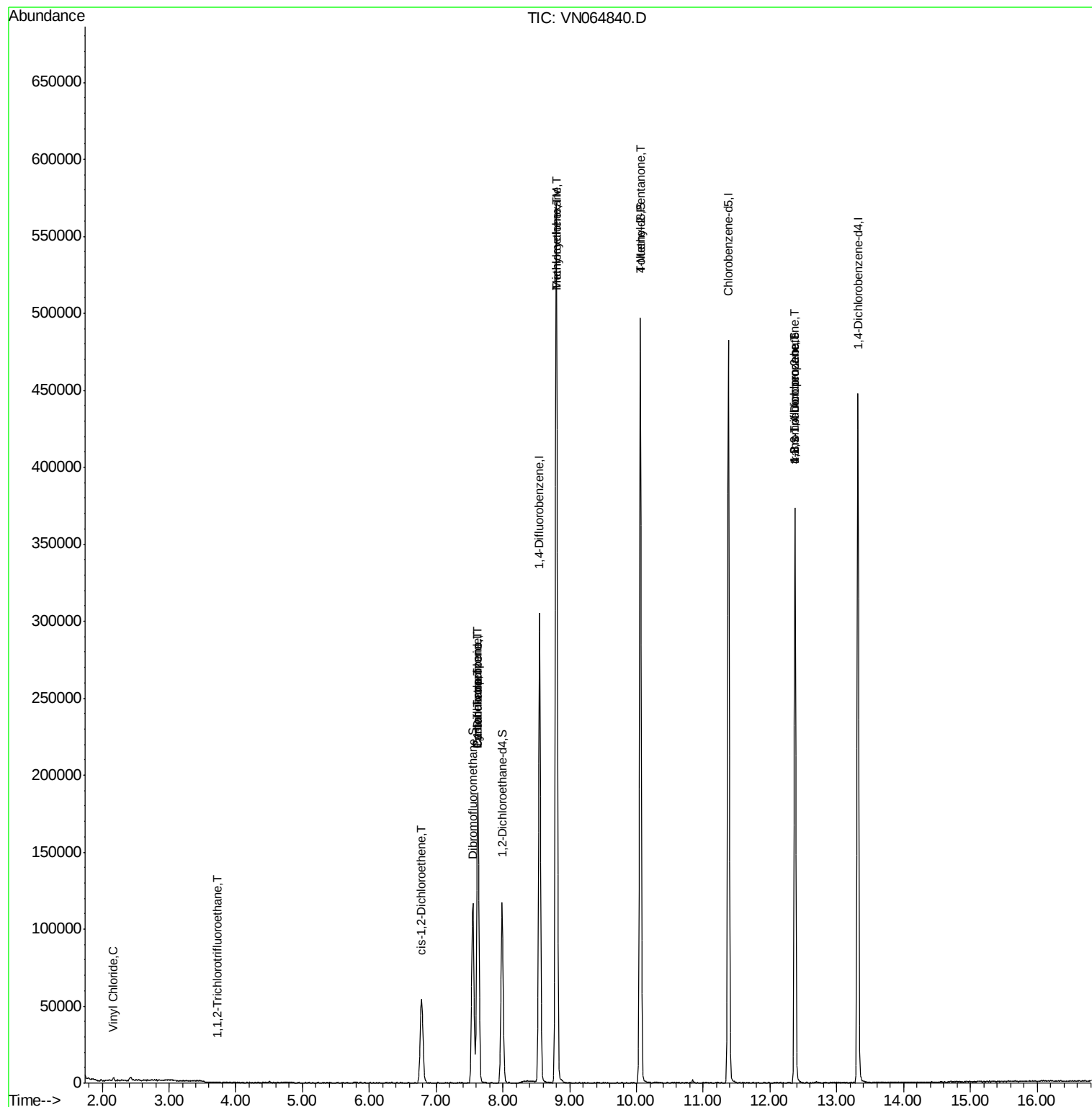
					Qvalue	
4) Vinyl Chloride	2.16	62	2450	1.300	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.71	101	411	0.263	ug/l #	18
27) cis-1,2-Dichloroethene	6.78	96	34938	17.966	ug/l	90
31) Cyclohexane	7.62	56	2958	1.138	ug/l #	1
36) 1,1-Dichloropropene	7.62	75	11030	4.208	ug/l #	49
38) Carbon Tetrachloride	7.63	117	14997	5.498	ug/l #	16
39) Methylcyclohexane	8.80	83	2645	0.937	ug/l #	1
44) Trichloroethene	8.80	130	222011	93.667	ug/l	99
51) 4-Methyl-2-Pentanone	10.06	43	1417	0.581	ug/l #	1
76) 1,2,3-Trichloropropane	12.37	75	65168	23.466	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	65168	64.316	ug/l #	15

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

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QLast Update : Mon Nov 23 13:54:12 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064840.D

Acq: 25 Nov 2020 3:54

Instrument :

MSVOA_N

ClientSampleId :

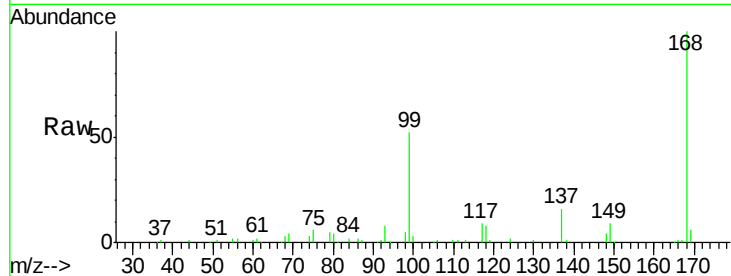
56BR-20201118

Tot Ion:168 Resp: 160487

Ion Ratio Lower Upper

168 100

99 51.6 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

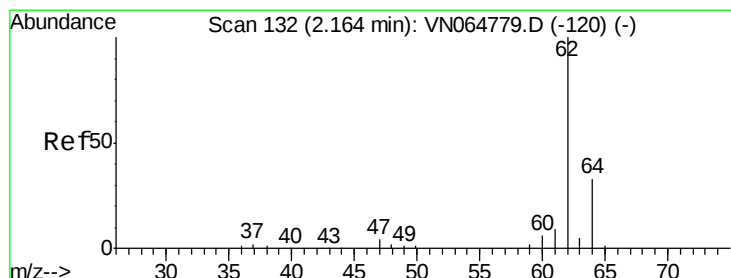
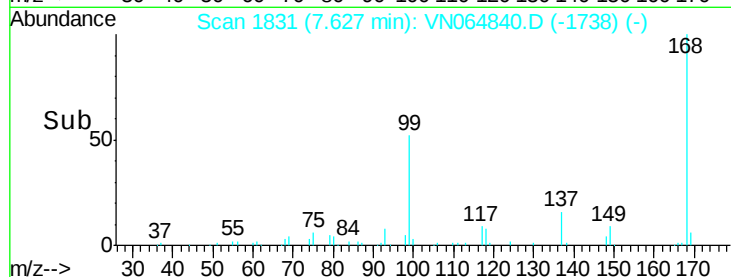
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#4

Vinyl Chloride

Concen: 1.300 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN064840.D

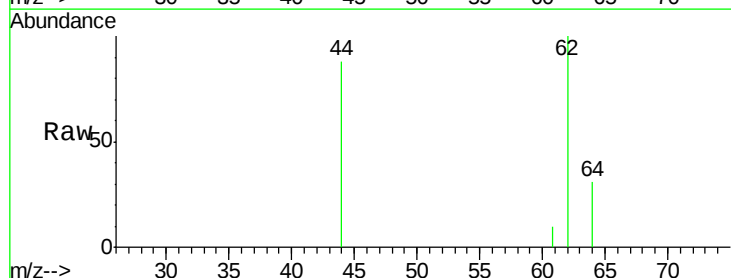
Acq: 25 Nov 2020 3:54

Tgt Ion: 62 Resp: 2450

Ion Ratio Lower Upper

62 100

64 31.1 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.16

2000

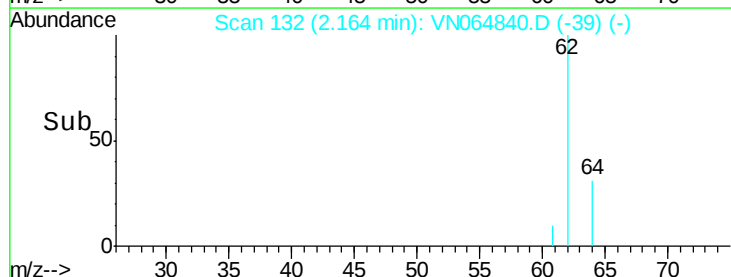
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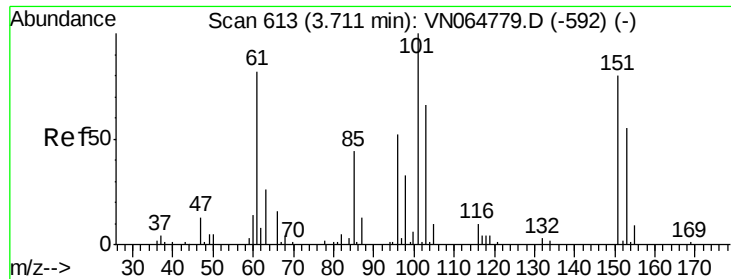
1000

500

0

Time--> 2.12 2.14 2.16 2.18 2.20

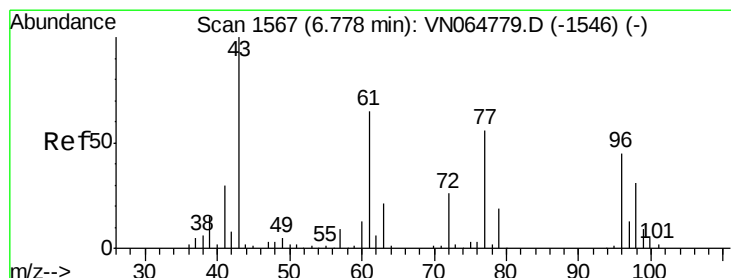
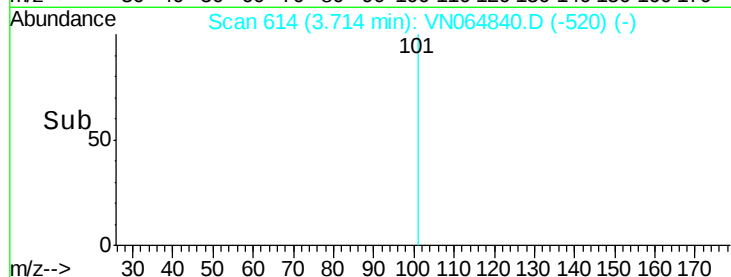
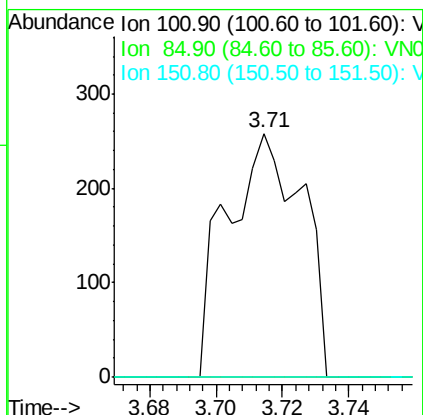
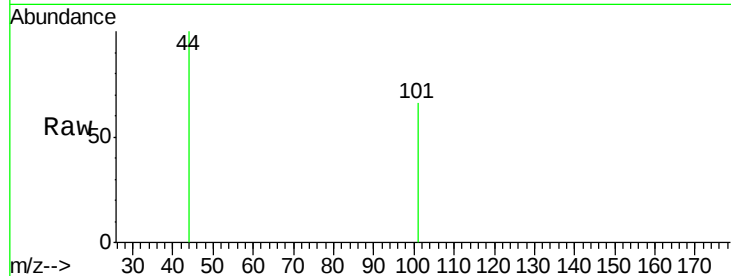




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.263 ug/l
 RT: 3.71 min Scan# 614
 Delta R.T. 0.00 min
 Lab File: VN064840.D
 Acq: 25 Nov 2020 3:54

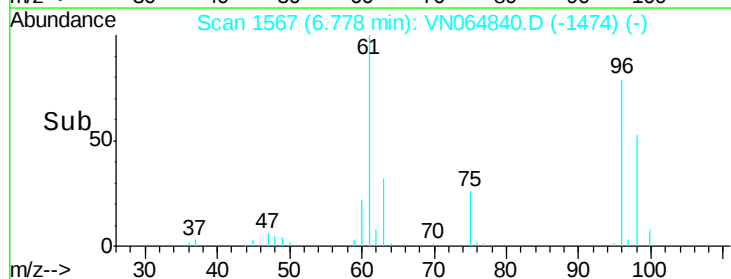
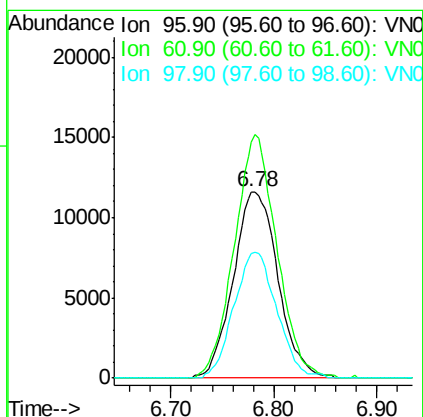
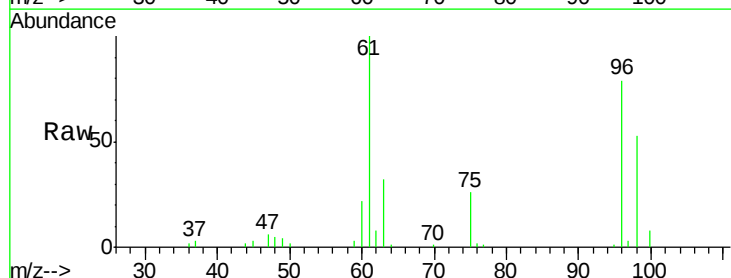
Instrument :
 MSVOA_N
 ClientSampleId :
 56BR-20201118

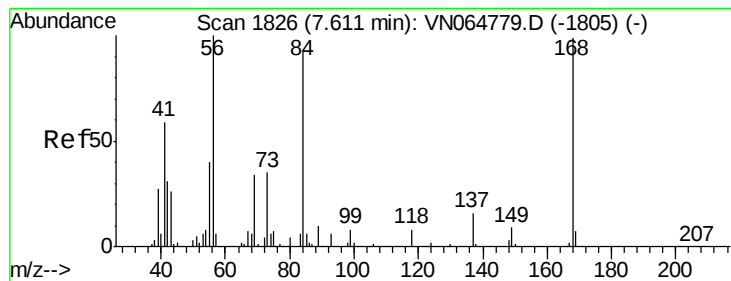
Tot Ion:101 Resp: 411
 Ion Ratio Lower Upper
 101 100
 85 0.0 34.4 51.6#
 151 0.0 64.0 96.0#



#27
 cis-1,2-Dichloroethene
 Concen: 17.966 ug/l
 RT: 6.78 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN064840.D
 Acq: 25 Nov 2020 3:54

Tgt Ion: 96 Resp: 34938
 Ion Ratio Lower Upper
 96 100
 61 124.6 0.0 285.8
 98 64.7 0.0 130.6





#31

Cvclohexane

Concen: 1.138 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN064840.D

Acq: 25 Nov 2020 3:54

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118

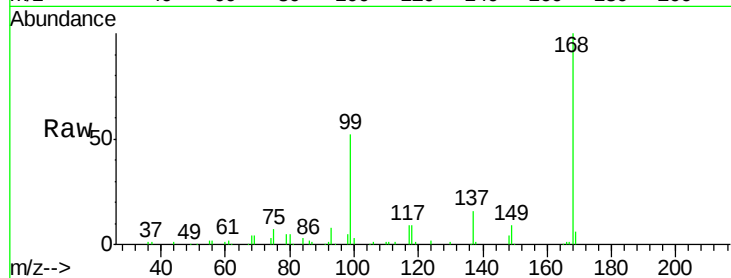
Tot Ion: 56 Resp: 2958

Ion Ratio Lower Upper

56 100

69 196.7 27.5 41.3#

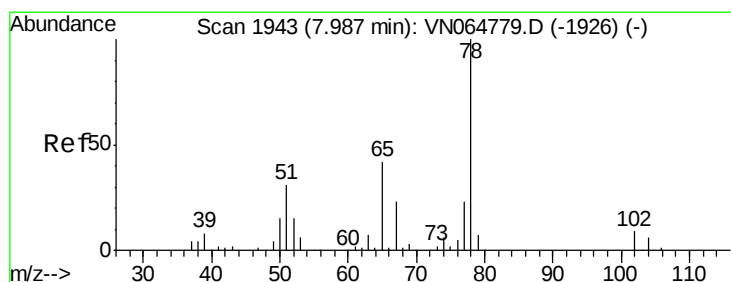
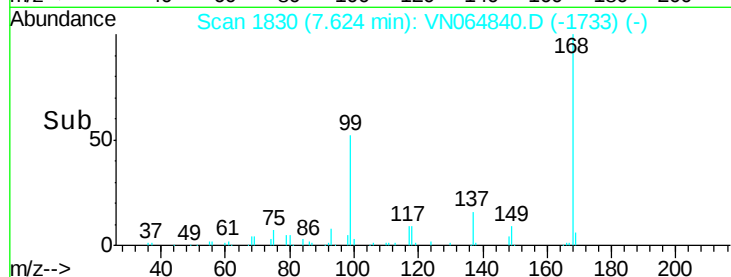
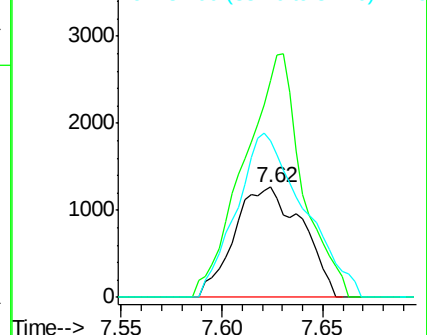
84 141.7 73.9 110.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 53.709 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064840.D

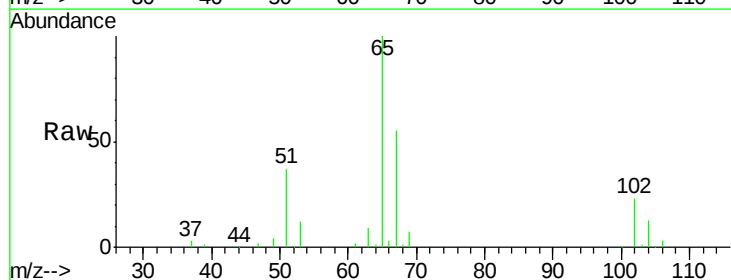
Acq: 25 Nov 2020 3:54

Tgt Ion: 65 Resp: 100208

Ion Ratio Lower Upper

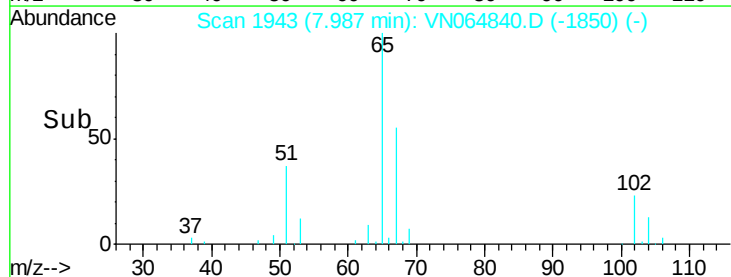
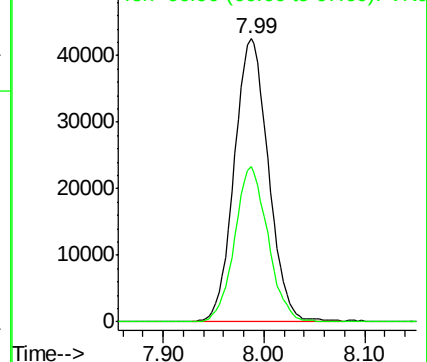
65 100

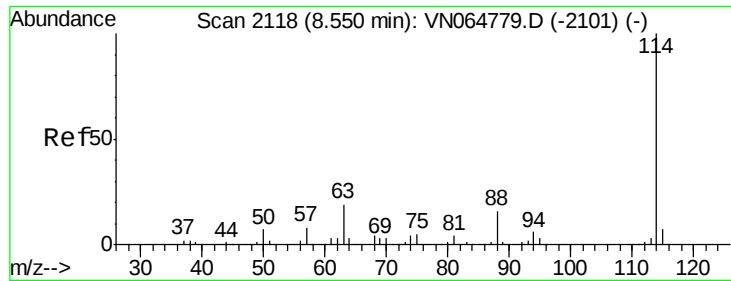
67 53.3 0.0 108.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

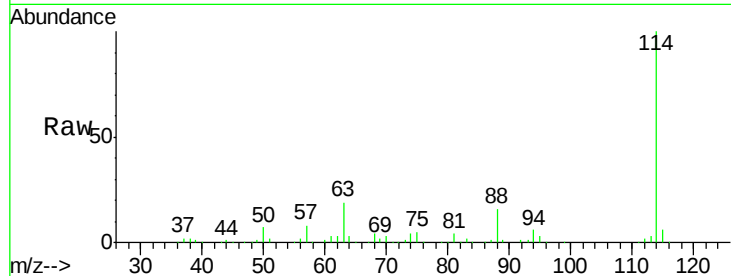




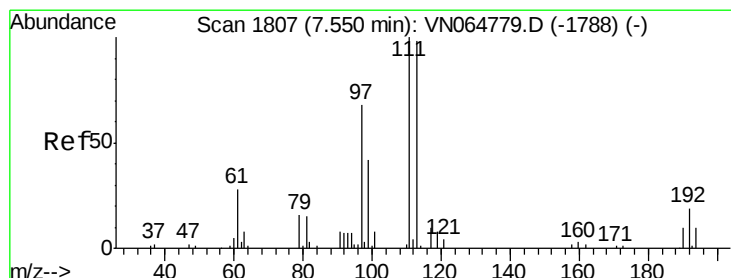
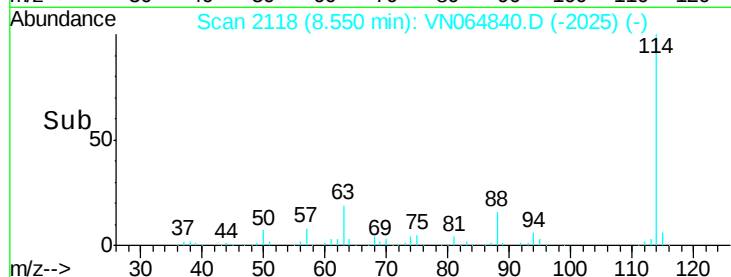
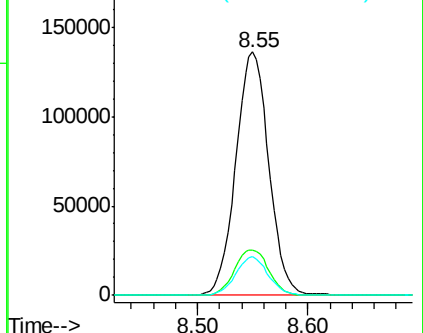
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN064840.D
Acq: 25 Nov 2020 3:54

Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118

Tot Ion:114 Resp: 282824
Ion Ratio Lower Upper
114 100
63 18.7 0.0 38.6
88 15.8 0.0 32.6

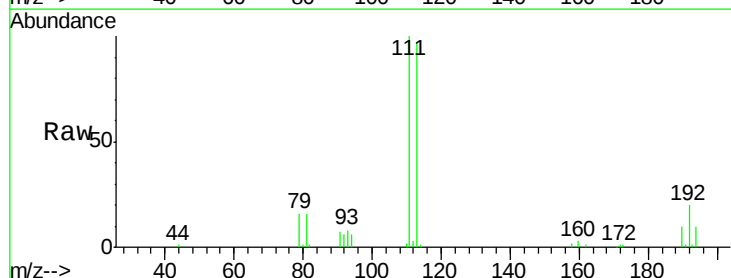


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

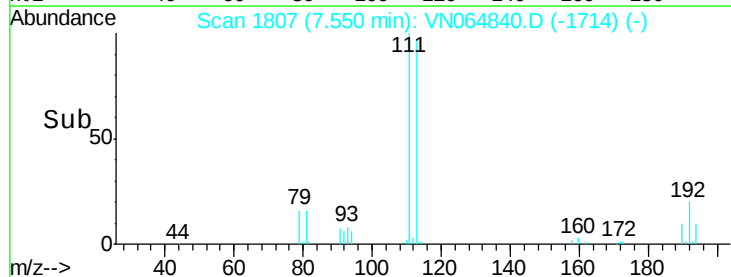
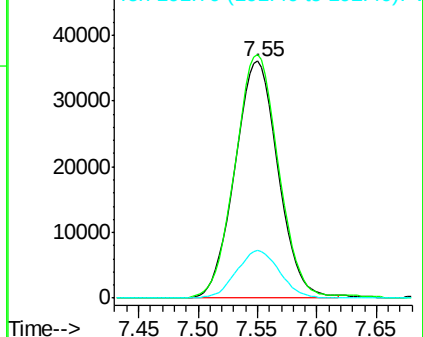


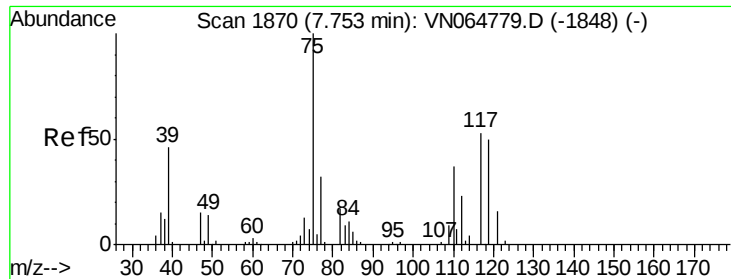
#35
Dibromofluoromethane
Concen: 53.757 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064840.D
Acq: 25 Nov 2020 3:54

Tgt Ion:113 Resp: 90975
Ion Ratio Lower Upper
113 100
111 103.0 81.6 122.4
192 19.9 16.2 24.2



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

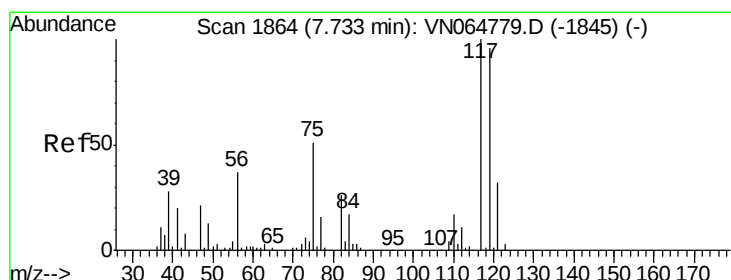
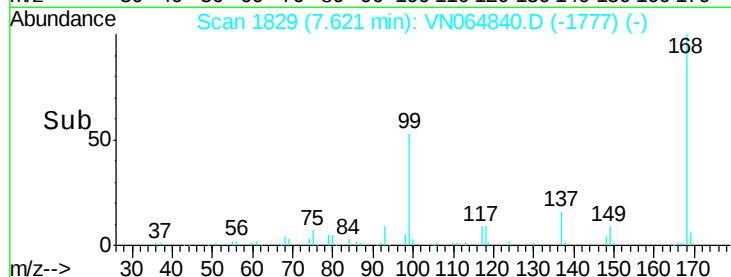
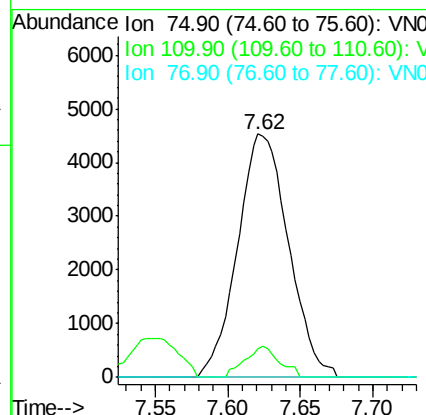
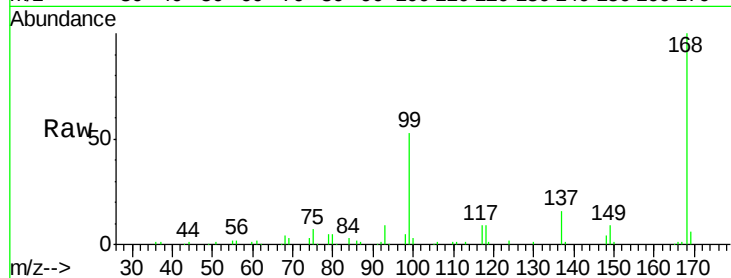




#36
 1,1-Dichloropropene
 Concen: 4.208 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN064840.D
 Acq: 25 Nov 2020 3:54

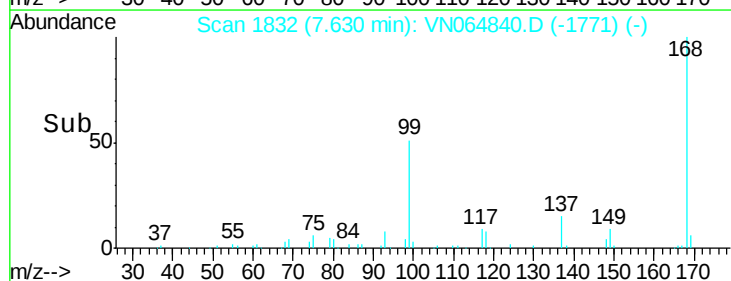
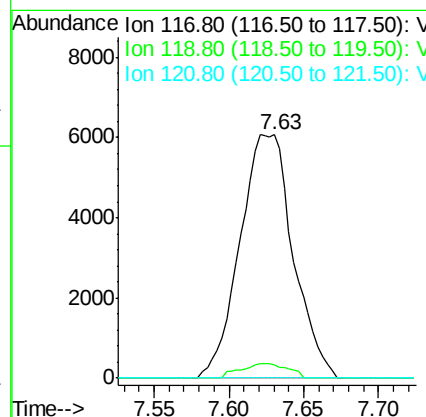
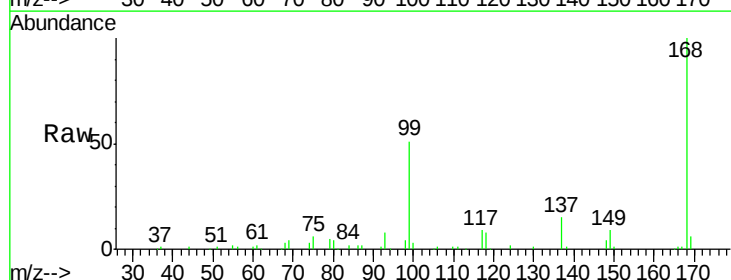
Instrument :
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 56BR-20201118

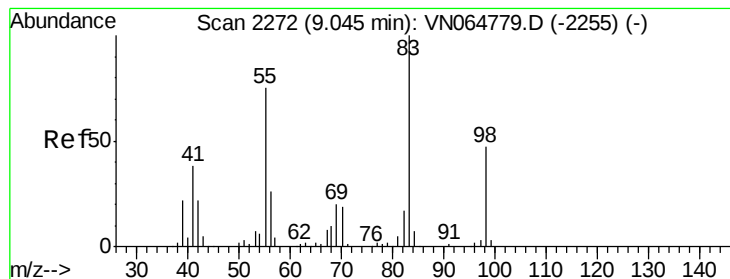
Tot Ion: 75 Resp: 11030
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.8 53.3#
 77 0.0 25.0 37.4#



#38
 Carbon Tetrachloride
 Concen: 5.498 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.10 min
 Lab File: VN064840.D
 Acq: 25 Nov 2020 3:54

Tgt Ion: 117 Resp: 14997
 Ion Ratio Lower Upper
 117 100
 119 5.2 76.7 115.1#
 121 0.0 25.4 38.2#





#39

Methvlcvclohexane

Concen: 0.937 ug/l

RT: 8.80 min Scan# 2195

Delta R.T. -0.25 min

Lab File: VN064840.D

Acq: 25 Nov 2020 3:54

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118

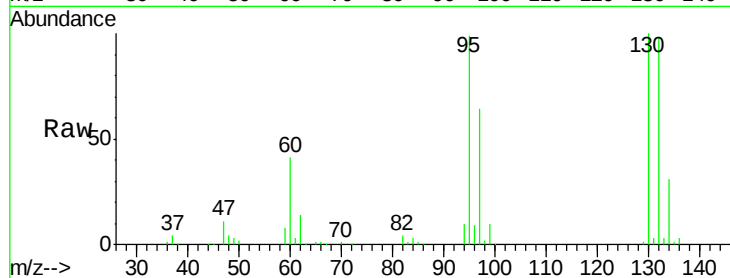
Tot Ion: 83 Resp: 2645

Ion Ratio Lower Upper

83 100

55 0.0 60.2 90.2#

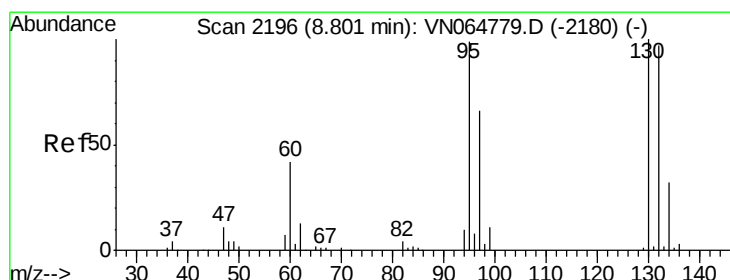
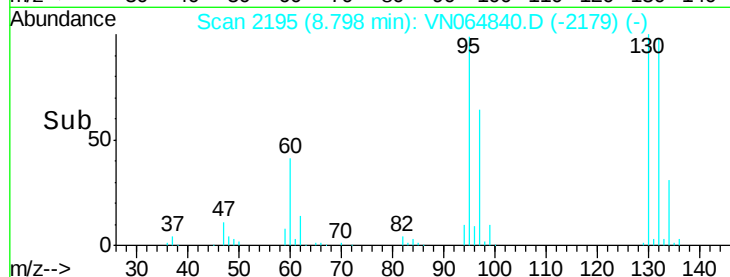
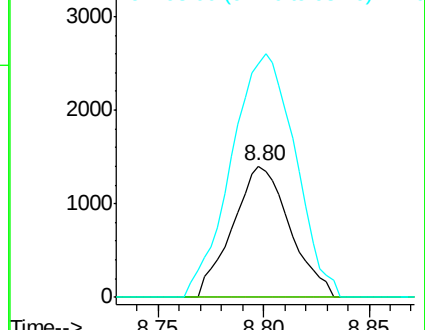
98 178.0 37.4 56.2#



Abundance Ion 83.00 (82.70 to 83.70): VN064840.D (-2195) (-)

Ion 55.00 (54.70 to 55.70): VN064840.D (-2195) (-)

Ion 98.00 (97.70 to 98.70): VN064840.D (-2195) (-)



#44

Trichloroethene

Concen: 93.667 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN064840.D

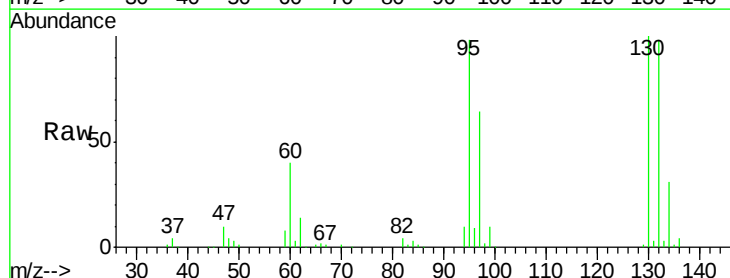
Acq: 25 Nov 2020 3:54

Tgt Ion:130 Resp: 222011

Ion Ratio Lower Upper

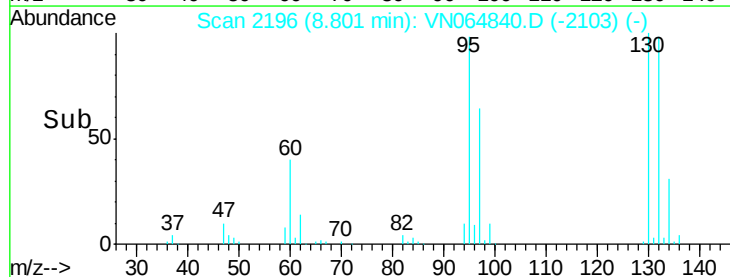
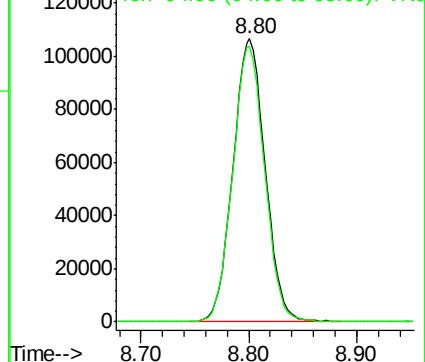
130 100

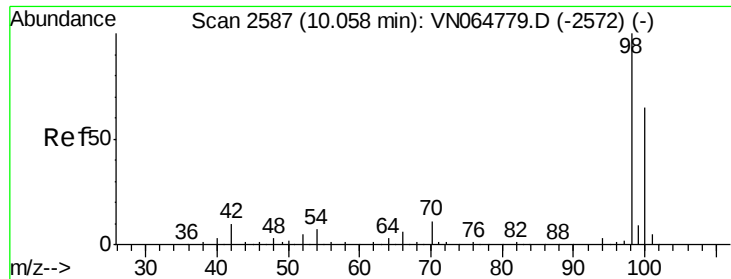
95 97.5 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): VN064840.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN064840.D (-2196) (-)





#50

Toluene-d8

Concen: 51.567 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064840.D

Acq: 25 Nov 2020 3:54

Instrument :

MSVOA_N

ClientSampleId :

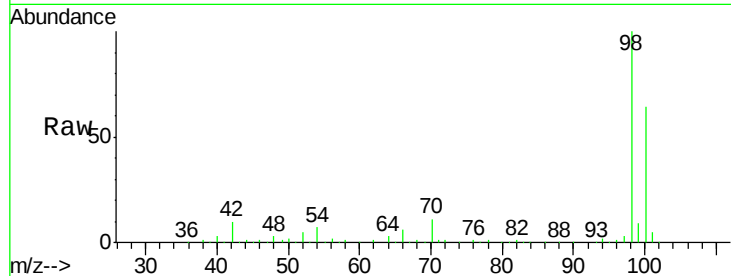
56BR-20201118

Tot Ion: 98 Resp: 356573

Ion Ratio Lower Upper

98 100

100 63.9 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN064779.D (-2572) (-)

Ion 100.00 (99.70 to 100.70): VN064779.D (-2572) (-)

10.06

200000

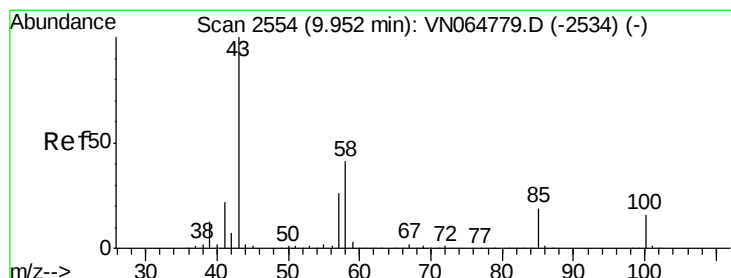
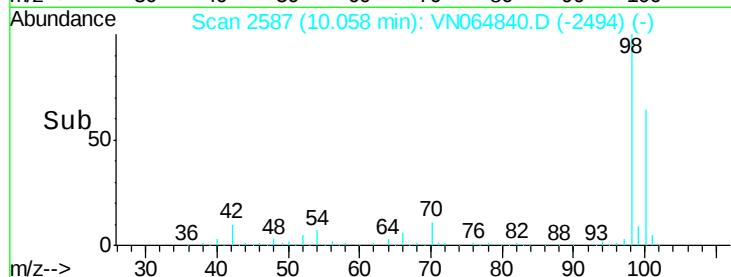
150000

100000

50000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.581 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.11 min

Lab File: VN064840.D

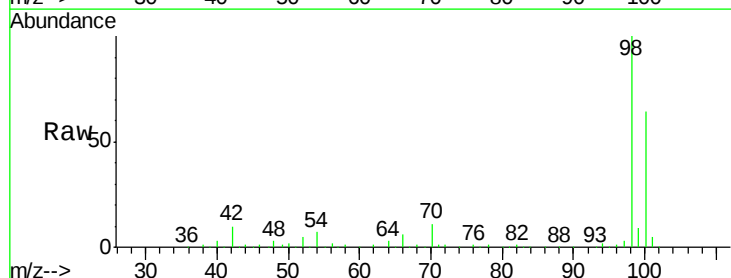
Acq: 25 Nov 2020 3:54

Tgt Ion: 43 Resp: 1417

Ion Ratio Lower Upper

43 100

58 182.1 32.4 48.6#



Abundance Ion 43.00 (42.70 to 43.70): VN064779.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN064779.D (-2534) (-)

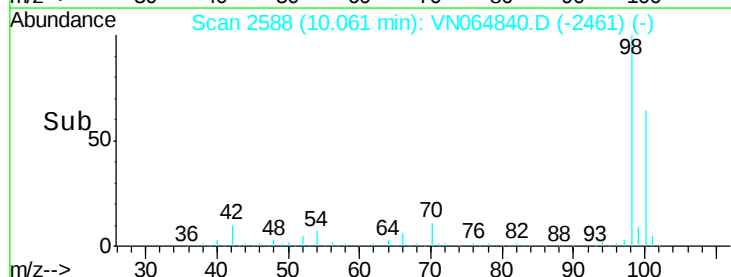
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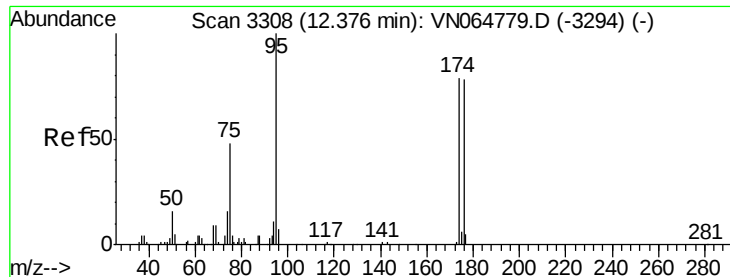
1000

500

0

Time-->

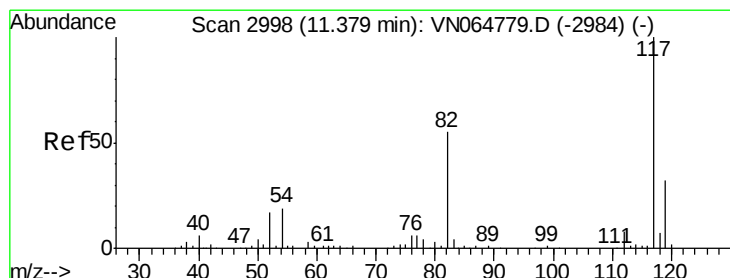
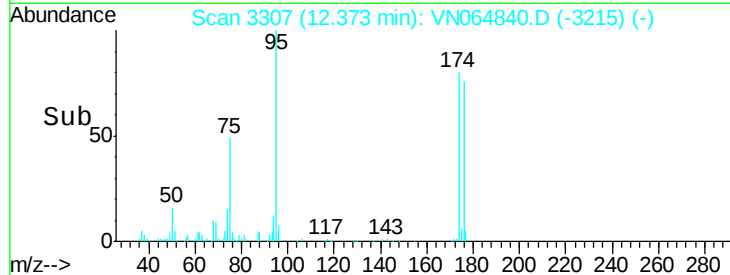
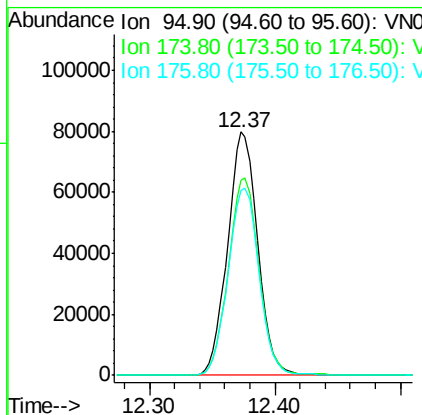
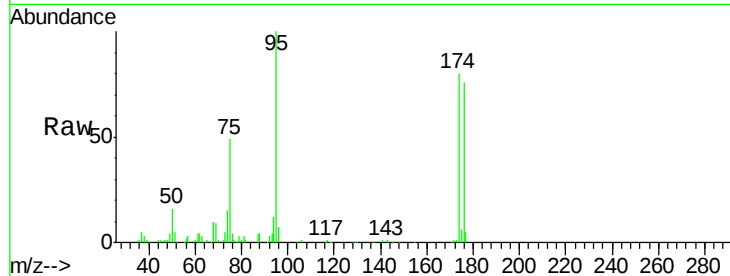




#62
4-Bromofluorobenzene
Concen: 53.750 ug/l
RT: 12.37 min Scan# 3307
Delta R.T. -0.00 min
Lab File: VN064840.D
Acq: 25 Nov 2020 3:54

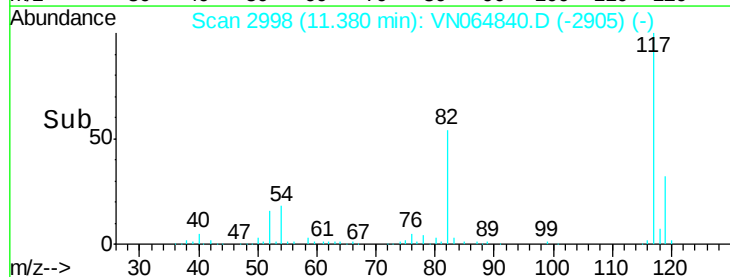
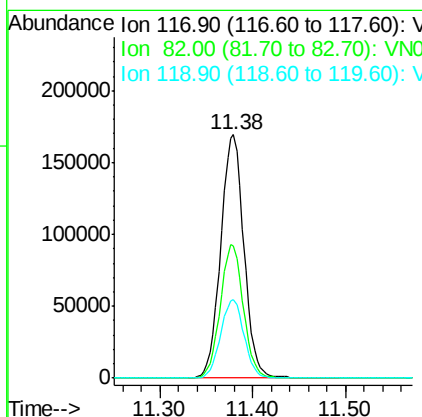
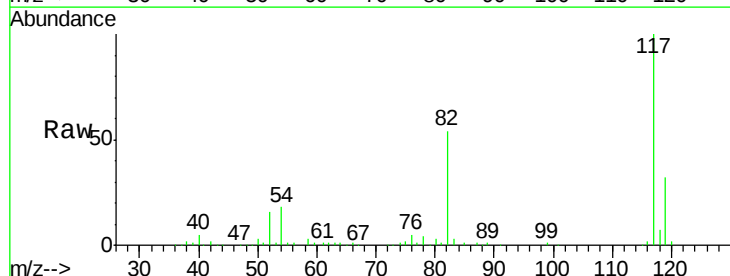
Instrument :
MSVOA_N
ClientSampleId :
56BR-20201118

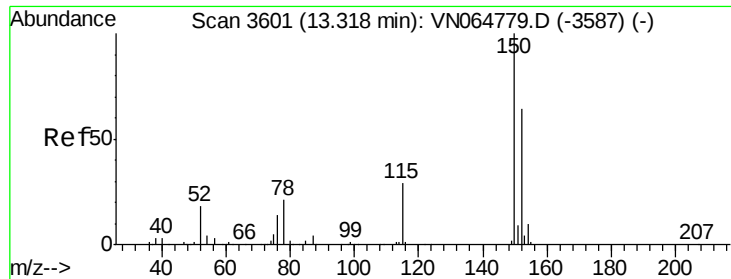
Tot Ion: 95 Resp: 133011
Ion Ratio Lower Upper
95 100
174 81.9 0.0 160.4
176 79.2 0.0 158.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064840.D
Acq: 25 Nov 2020 3:54

Tgt Ion: 117 Resp: 293781
Ion Ratio Lower Upper
117 100
82 54.1 44.2 66.2
119 32.2 25.8 38.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064840.D

Acq: 25 Nov 2020 3:54

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118

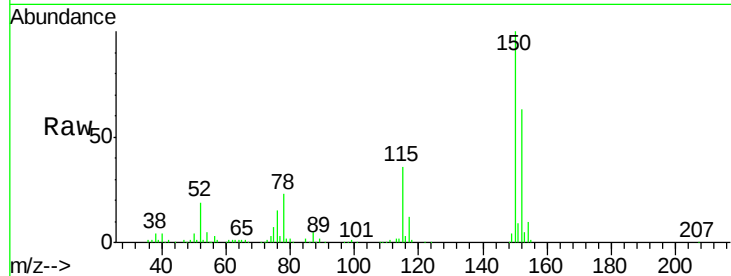
Tot Ion:152 Resp: 128951

Ion Ratio Lower Upper

152 100

115 57.8 29.7 89.1

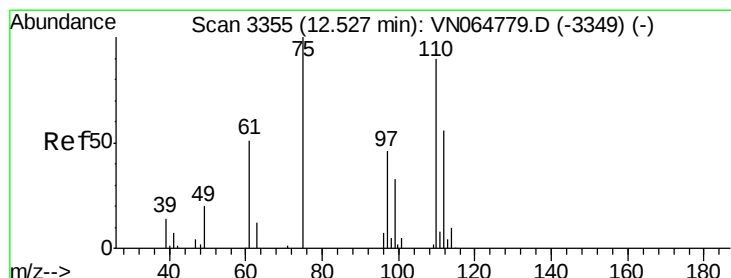
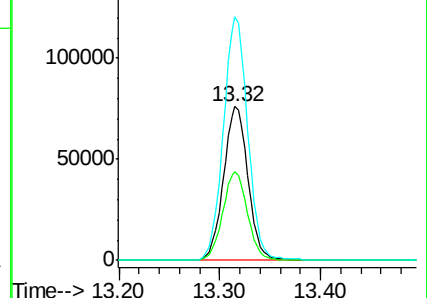
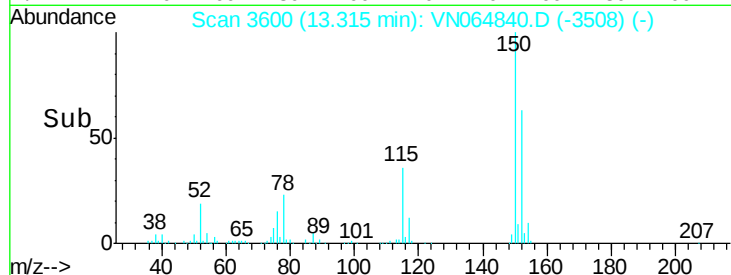
150 158.0 0.0 350.6



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: 23.466 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN064840.D

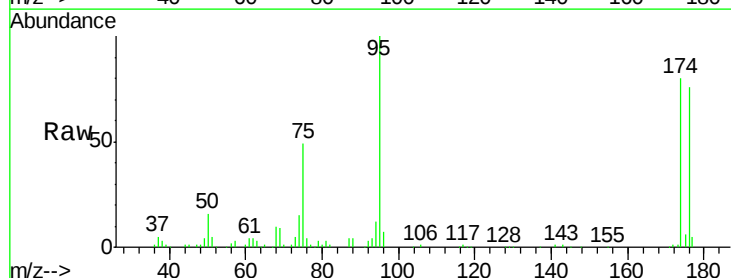
Acq: 25 Nov 2020 3:54

Tgt Ion: 75 Resp: 65168

Ion Ratio Lower Upper

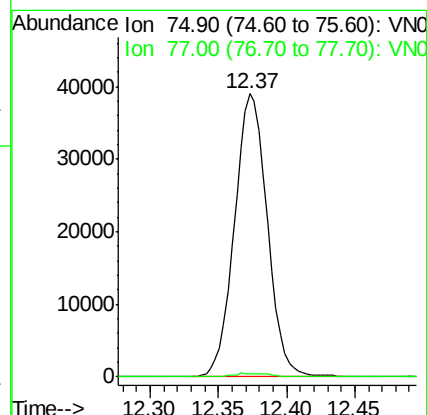
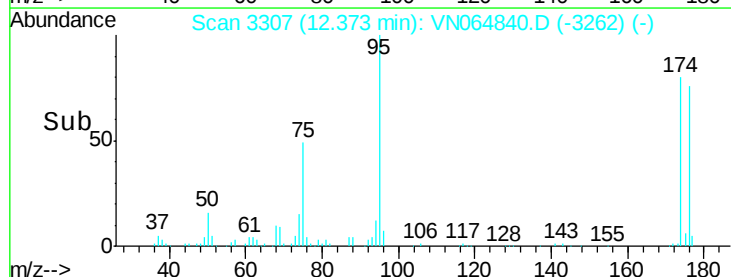
75 100

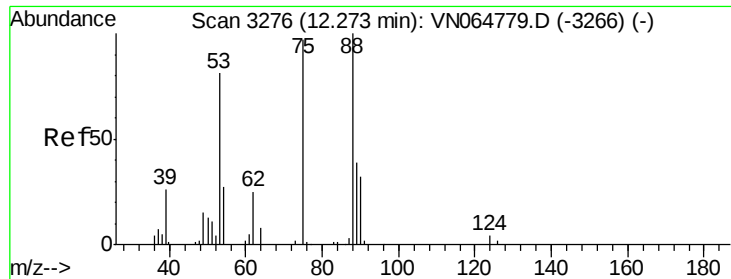
77 1.3 0.0 0.0#



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: 64.316 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN064840.D

Acq: 25 Nov 2020 3:54

Instrument :

MSVOA_N

ClientSampleId :

56BR-20201118

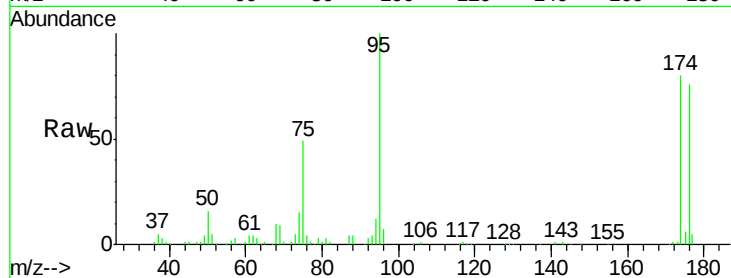
Tot Ion: 75 Resp: 65168

Ion Ratio Lower Upper

75 100

53 0.0 67.0 100.4#

89 0.0 39.6 59.4#



Abundance Ion 74.90 (74.60 to 75.60): VN064840.D (-3183) (-)

Ion 53.00 (52.70 to 53.70): VN064840.D (-3183) (-)

Ion 88.90 (88.60 to 89.60): VN064840.D (-3183) (-)

