

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112420\
 Data File : VN064829.D
 Acq On : 24 Nov 2020 23:29
 Operator : JC/MD
 Sample : L4798-02DL 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 15BR-20201118DL

Quant Time: Nov 25 05:57:42 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	170634	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	303486	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	312269	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	139185	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	104105	52.48	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	104.96%	
35) Dibromofluoromethane		7.55	113	96367	53.07	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	106.14%	
50) Toluene-d8		10.06	98	376617	50.76	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	101.52%	
62) 4-Bromofluorobenzene		12.37	95	146090	55.02	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	110.04%	

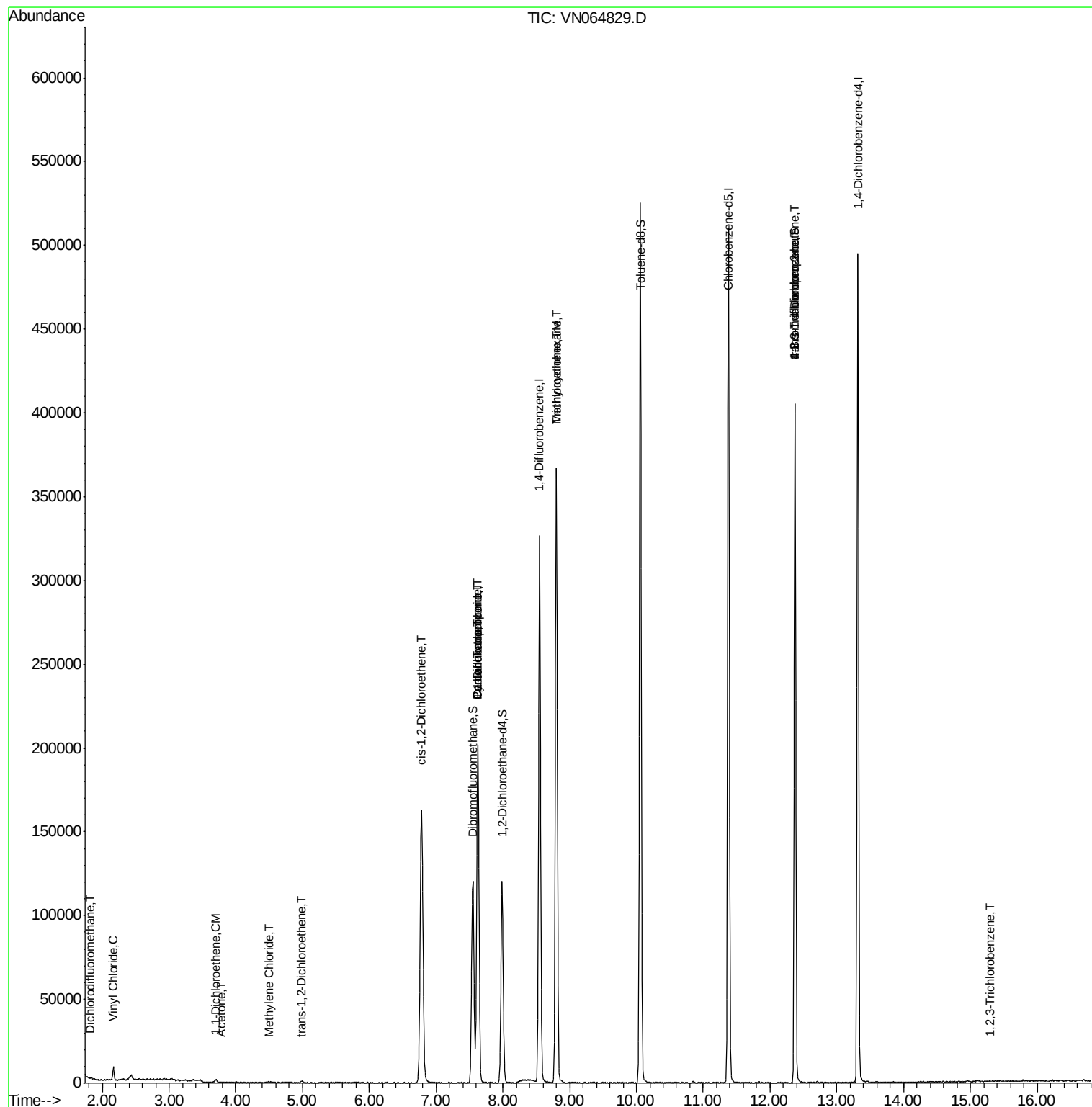
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	493	0.333	ug/l	94
4) Vinyl Chloride	2.17	62	7162	3.575	ug/l	99
12) 1,1-Dichloroethene	3.70	96	682	0.412	ug/l #	76
16) Acetone	3.78	43	230	0.353	ug/l #	43
20) Methylene Chloride	4.49	84	488	0.239	ug/l #	41
21) trans-1,2-Dichloroethene	4.99	96	809	0.440	ug/l #	77
27) cis-1,2-Dichloroethene	6.78	96	112336	54.331	ug/l	90
31) Cyclohexane	7.63	56	2979	1.077	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	12222	4.345	ug/l #	49
38) Carbon Tetrachloride	7.63	117	16344	5.584	ug/l #	17
39) Methylcyclohexane	8.80	83	1621	0.535	ug/l #	1
44) Trichloroethene	8.80	130	141278	55.548	ug/l	99
76) 1,2,3-Trichloropropane	12.37	75	69224	23.094	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.37	75	69224	63.296	ug/l #	15
96) 1,2,3-Trichlorobenzene	15.29	180	70	1.417	ug/l #	12

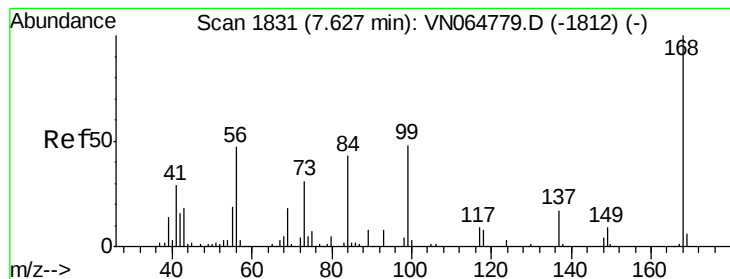
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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: VN064829.D

Acq: 24 Nov 2020 23:29

Instrument :

MSVOA_N

ClientSampleId :

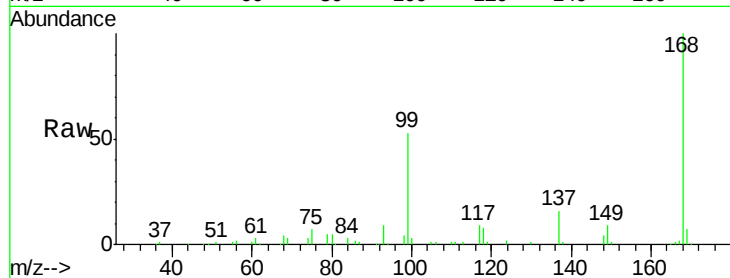
15BR-20201118DL

Tot Ion:168 Resp: 170634

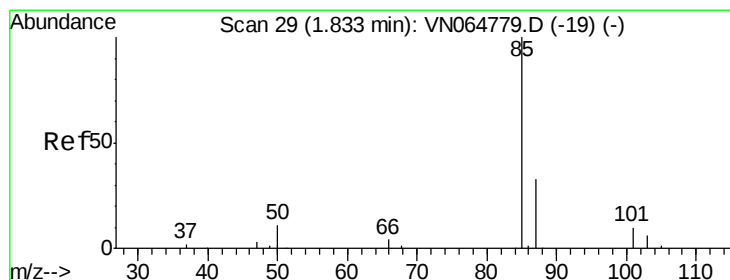
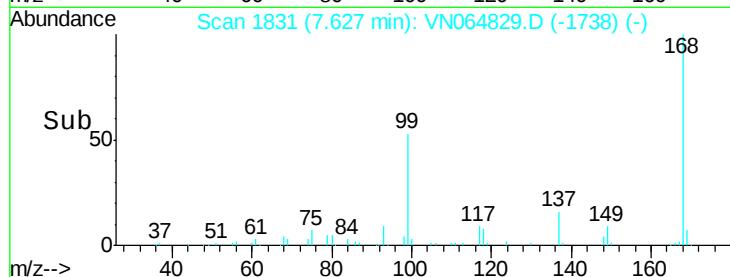
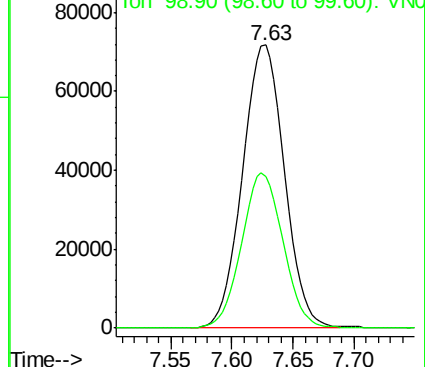
Ion Ratio Lower Upper

168 100

99 53.5 43.0 64.4



Abundance Ion 167.90 (167.60 to 168.60): VN064779.D (-1812) (-)



#2

Dichlorodifluoromethane

Concen: 0.333 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN064829.D

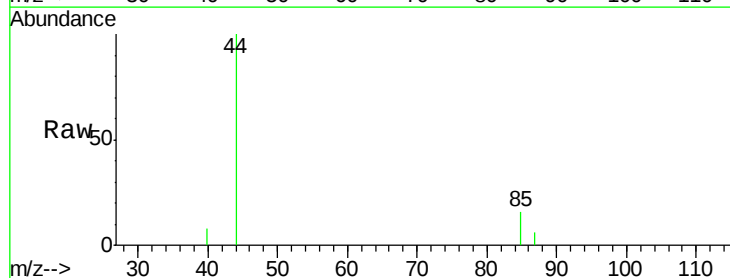
Acq: 24 Nov 2020 23:29

Tgt Ion: 85 Resp: 493

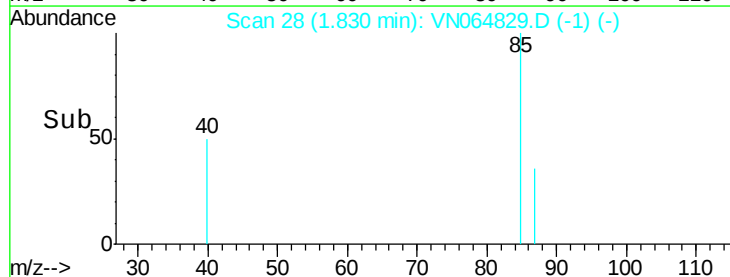
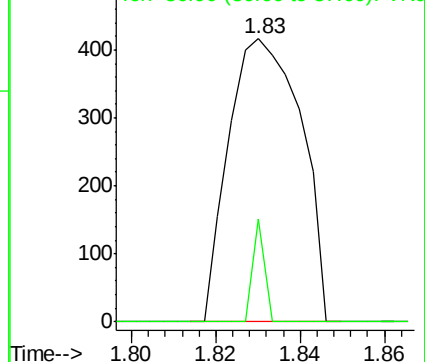
Ion Ratio Lower Upper

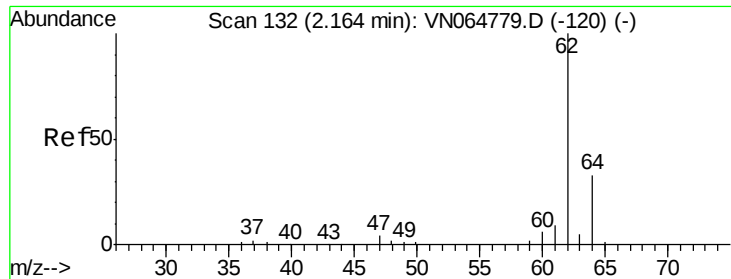
85 100

87 36.5 16.4 49.4



Abundance Ion 84.90 (84.60 to 85.60): VN064779.D (-19) (-)





#4

Vinyl Chloride

Concen: 3.575 ug/l

RT: 2.17 min Scan# 133

Delta R.T. 0.00 min

Lab File: VN064829.D

Acq: 24 Nov 2020 23:29

Instrument :

MSVOA_N

ClientSampleId :

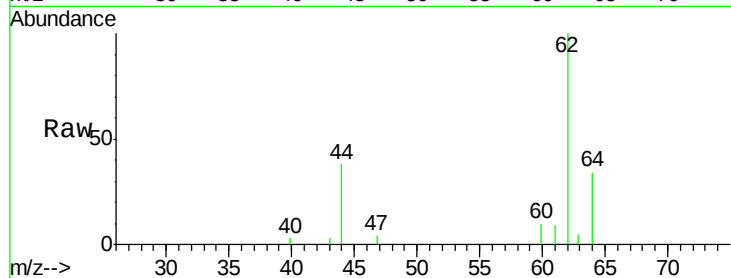
15BR-20201118DL

Tot Ion: 62 Resp: 7162

Ion Ratio Lower Upper

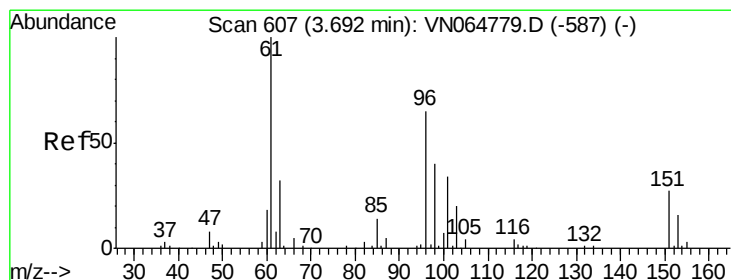
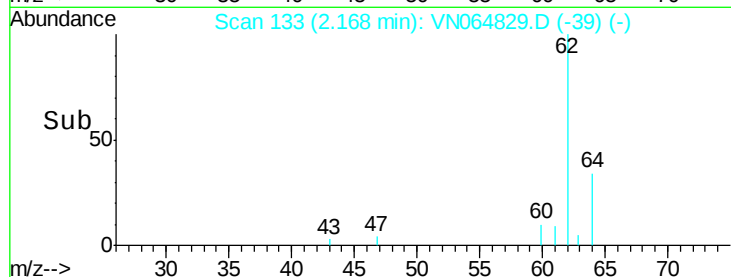
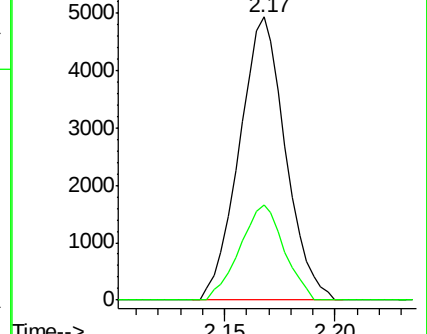
62 100

64 33.7 26.5 39.7



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



#12

1,1-Dichloroethene

Concen: 0.412 ug/l

RT: 3.70 min Scan# 610

Delta R.T. 0.01 min

Lab File: VN064829.D

Acq: 24 Nov 2020 23:29

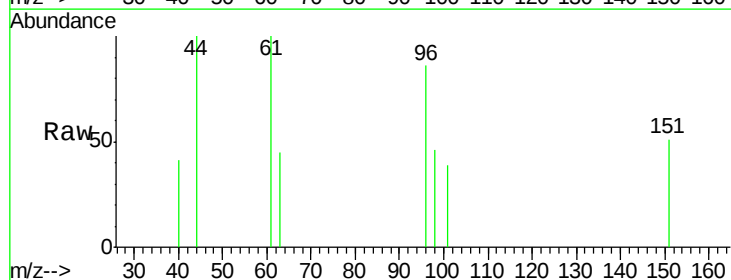
Tgt Ion: 96 Resp: 682

Ion Ratio Lower Upper

96 100

61 115.9 123.4 185.2#

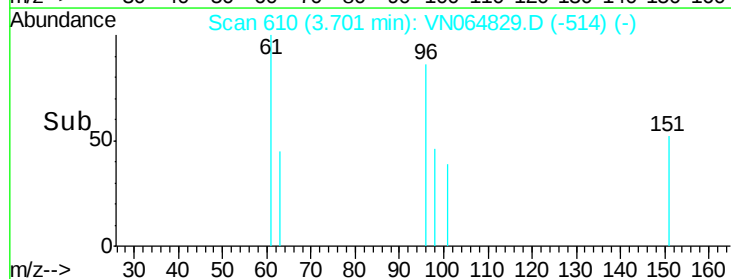
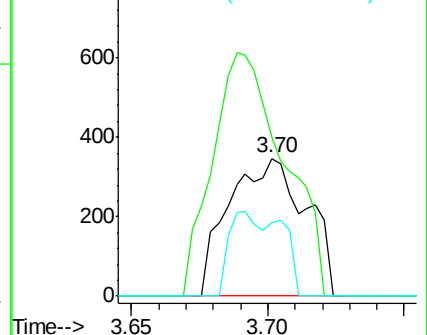
98 53.8 49.8 74.8

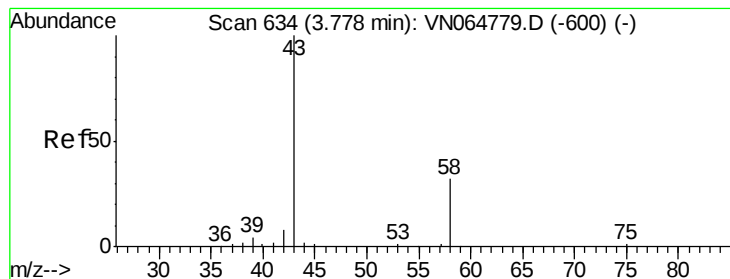


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#16

Acetone

Concen: 0.353 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN064829.D

Acq: 24 Nov 2020 23:29

Instrument :

MSVOA_N

ClientSampleId :

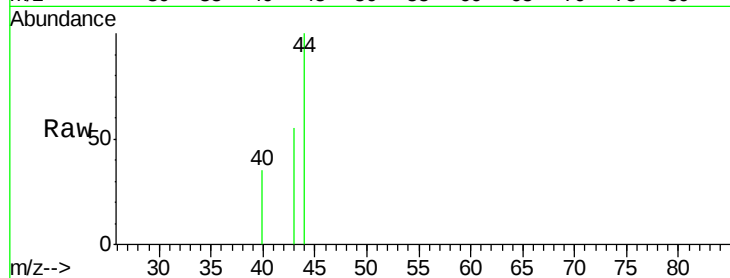
15BR-20201118DL

Tot Ion: 43 Resp: 230

Ion Ratio Lower Upper

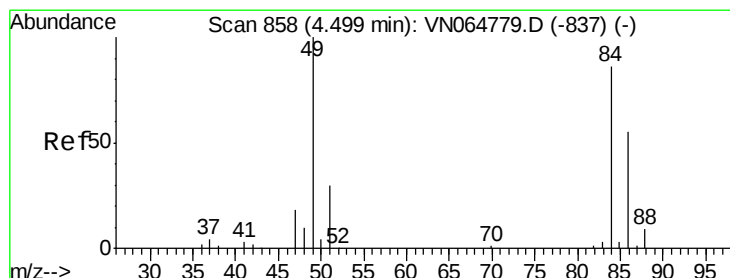
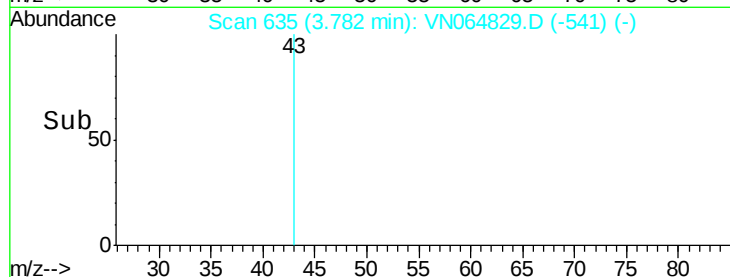
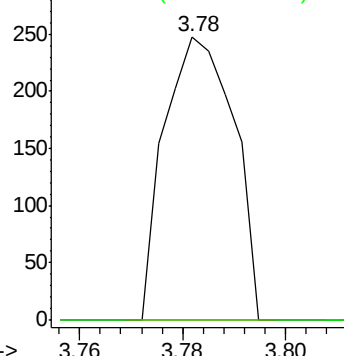
43 100

58 0.0 25.7 38.5#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#20

Methylene Chloride

Concen: 0.239 ug/l

RT: 4.49 min Scan# 855

Delta R.T. -0.01 min

Lab File: VN064829.D

Acq: 24 Nov 2020 23:29

Tgt Ion: 84 Resp: 488

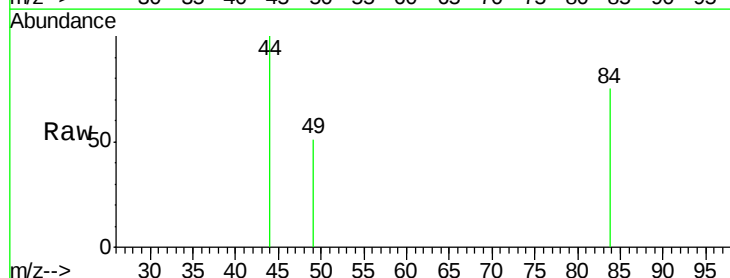
Ion Ratio Lower Upper

84 100

49 67.2 93.4 140.0#

51 0.0 28.2 42.4#

86 0.0 51.7 77.5#

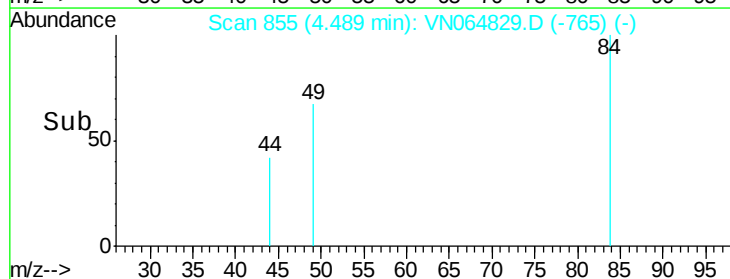
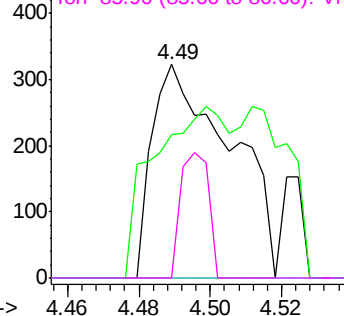


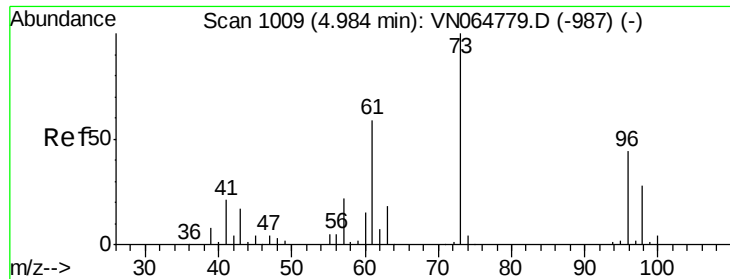
Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO





#21

trans-1,2-Dichloroethene

Concen: 0.440 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VN064829.D

Acq: 24 Nov 2020 23:29

Instrument :

MSVOA_N

ClientSampleId :

15BR-20201118DL

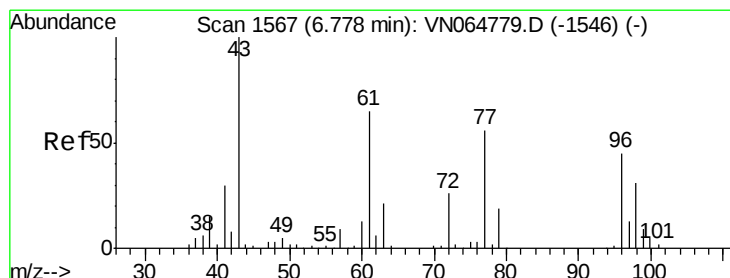
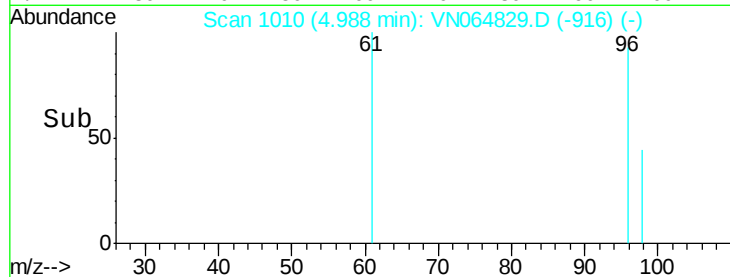
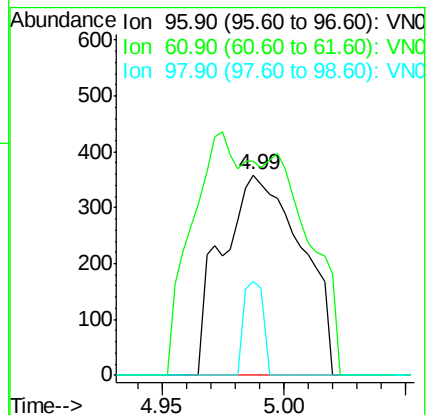
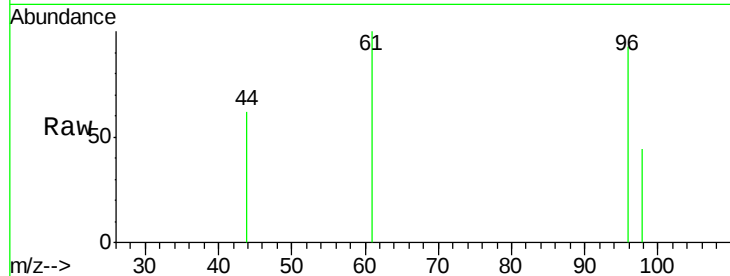
Tot Ion: 96 Resp: 809

Ion Ratio Lower Upper

96 100

61 107.0 108.4 162.6#

98 46.8 51.3 76.9#



#27

cis-1,2-Dichloroethene

Concen: 54.331 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN064829.D

Acq: 24 Nov 2020 23:29

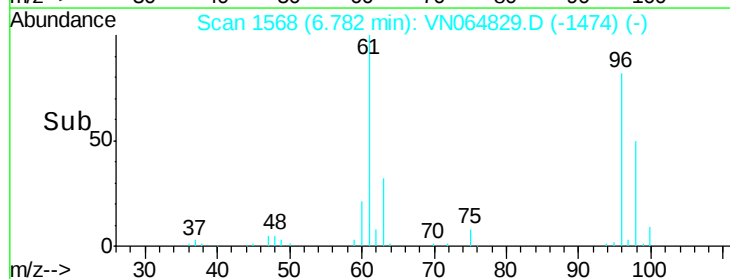
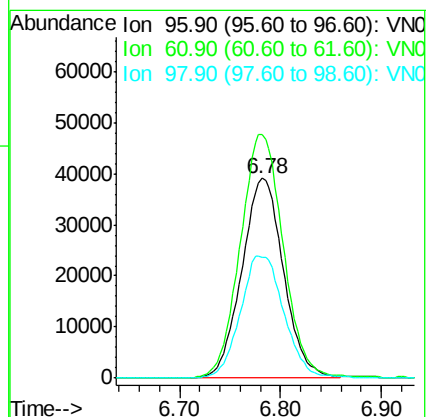
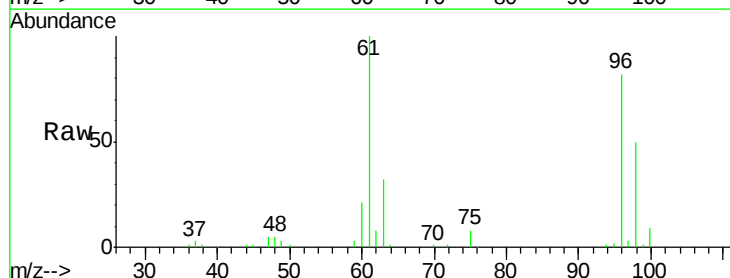
Tgt Ion: 96 Resp: 112336

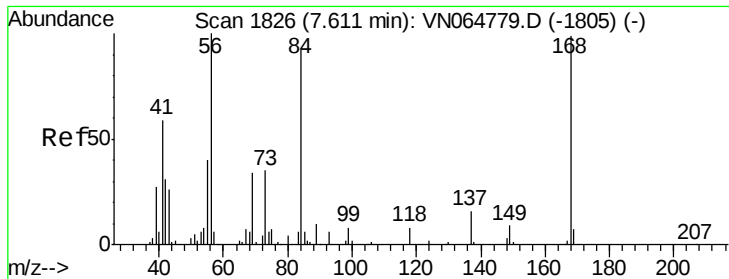
Ion Ratio Lower Upper

96 100

61 125.4 0.0 285.8

98 63.9 0.0 130.6





#31

Cyclohexane

Concen: 1.077 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.02 min

Lab File: VN064829.D

Acq: 24 Nov 2020 23:29

Instrument :

MSVOA_N

ClientSampleId :

15BR-20201118DL

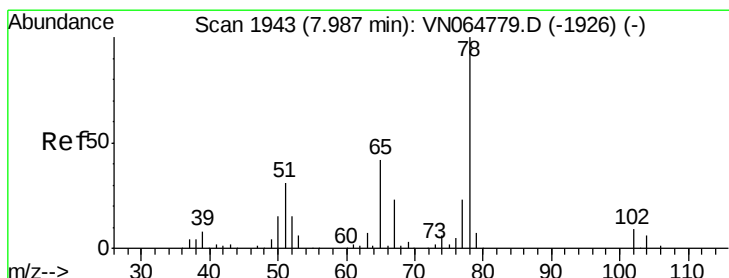
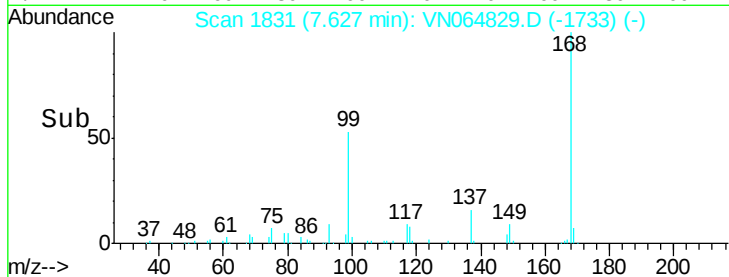
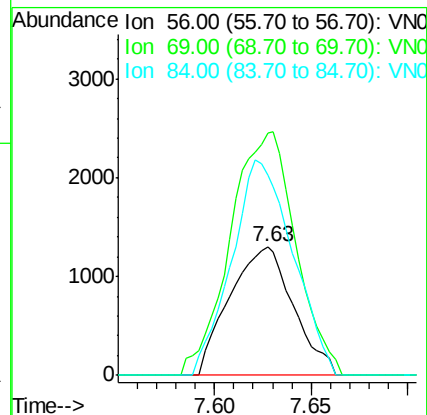
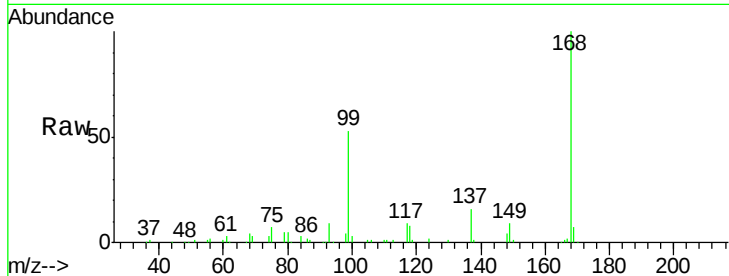
Tot Ion: 56 Resp: 2979

Ion Ratio Lower Upper

56 100

69 188.5 27.5 41.3#

84 156.0 73.9 110.9#



#33

1,2-Dichloroethane-d4

Concen: 52.479 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. 0.00 min

Lab File: VN064829.D

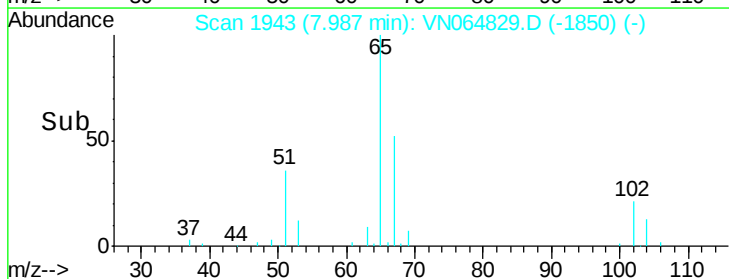
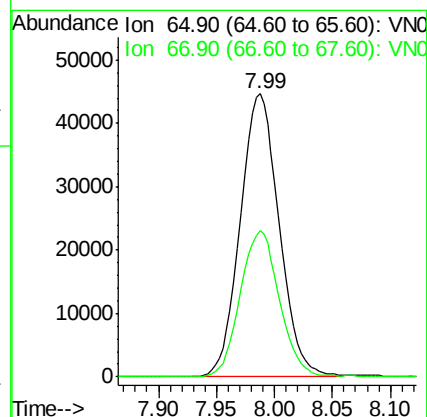
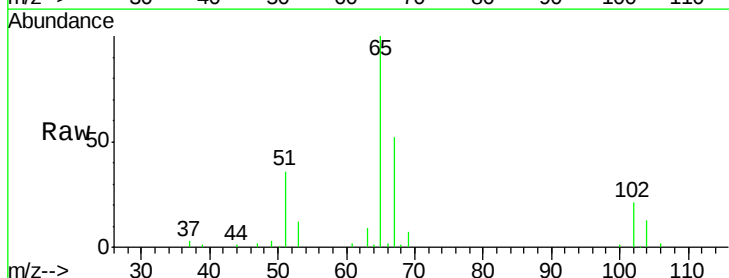
Acq: 24 Nov 2020 23:29

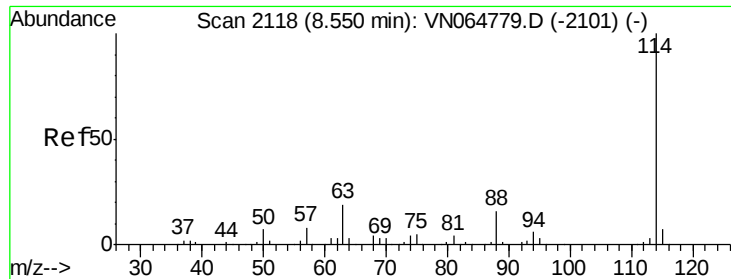
Tgt Ion: 65 Resp: 104105

Ion Ratio Lower Upper

65 100

67 51.9 0.0 108.2

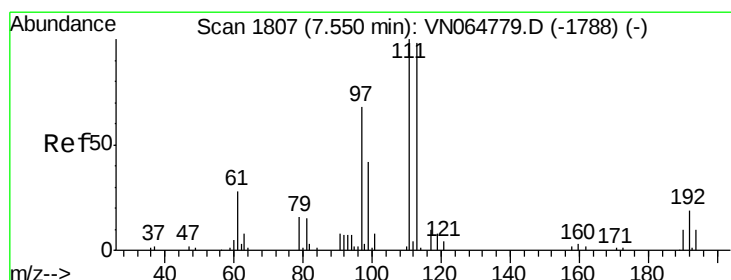
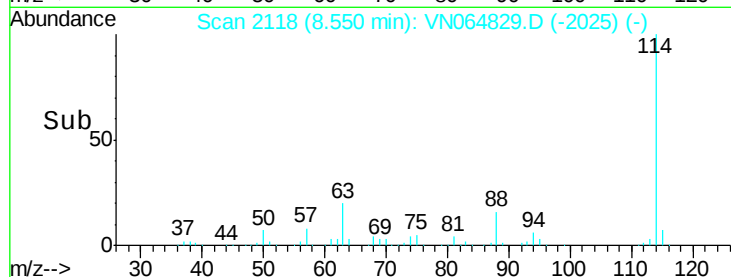
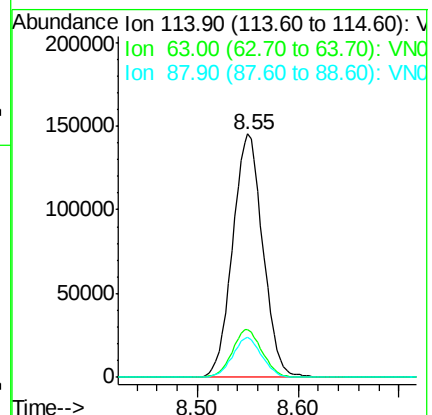
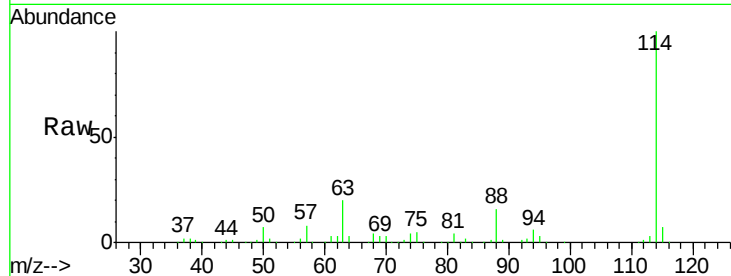




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN064829.D
Acq: 24 Nov 2020 23:29

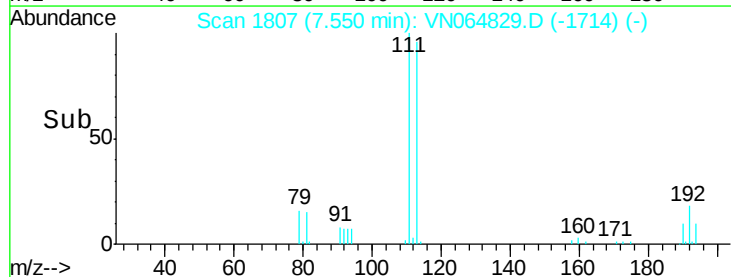
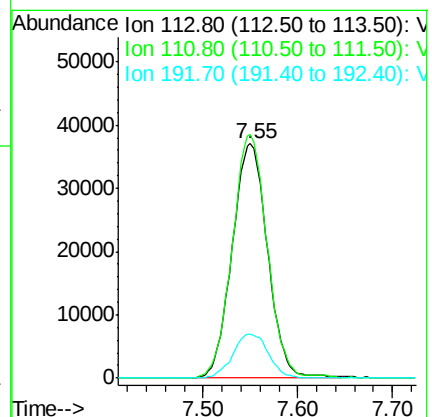
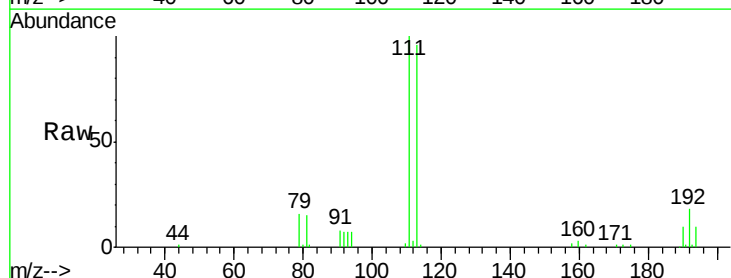
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15BR-20201118DL

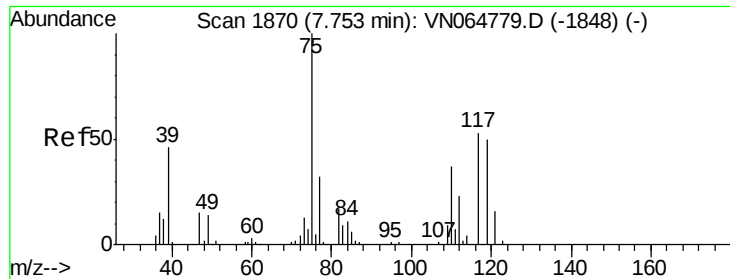
Tot Ion:	114	Resp:	303486
Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	38.6
88	16.3	0.0	32.6



#35
Dibromofluoromethane
Concen: 53.067 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064829.D
Acq: 24 Nov 2020 23:29

Tgt Ion:	113	Resp:	96367
Ion	Ratio	Lower	Upper
113	100		
111	102.6	81.6	122.4
192	18.8	16.2	24.2

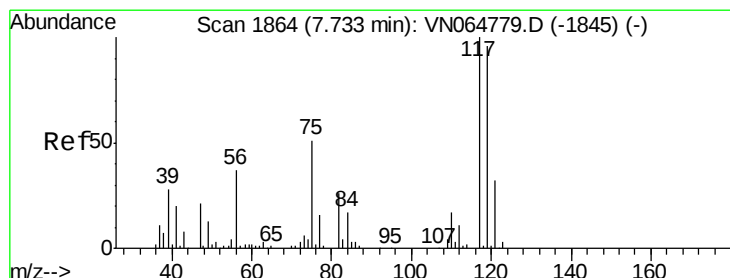
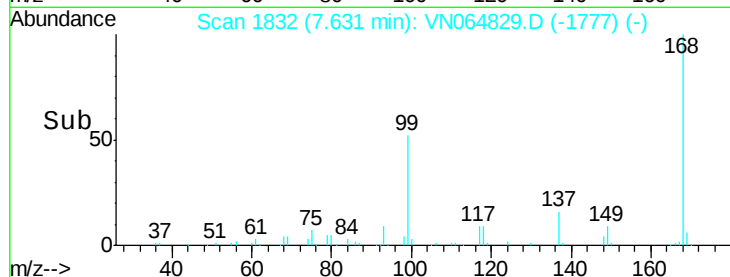
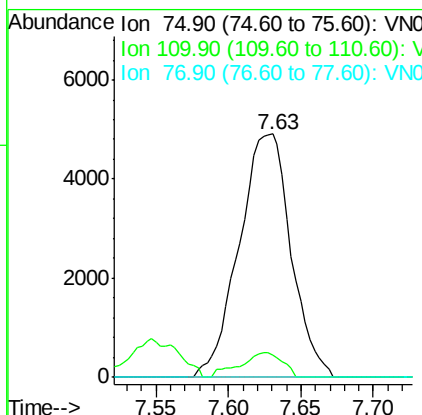
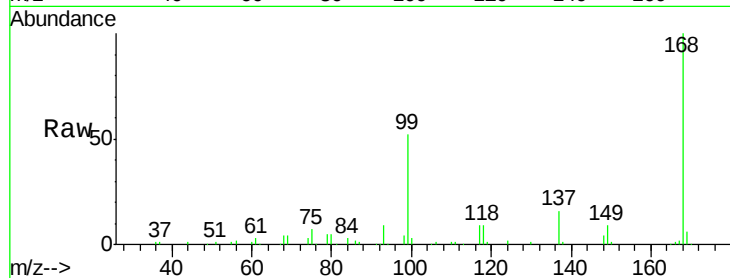




#36
 1,1-Dichloropropene
 Concen: 4.345 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.12 min
 Lab File: VN064829.D
 Acq: 24 Nov 2020 23:29

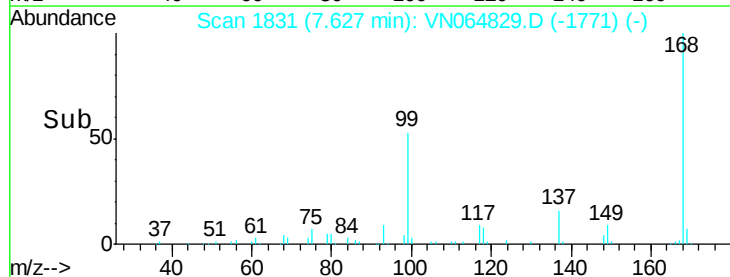
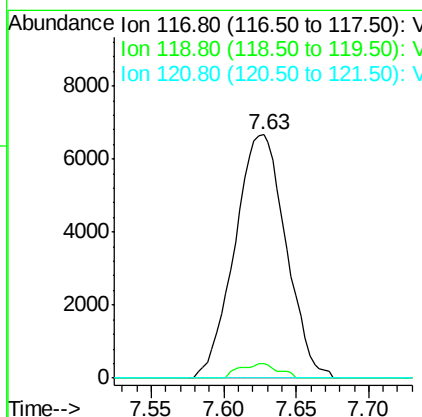
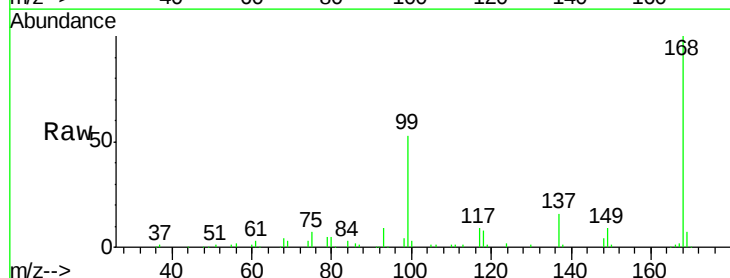
Instrument :
 MSVOA_N
 ClientSampleId :
 15BR-20201118DL

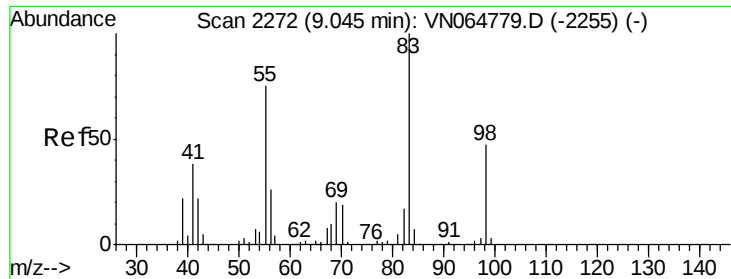
Tot Ion	75	Resp	12222
Ion Ratio	Lower	Upper	
75	100		
110	8.2	17.8	53.3#
77	0.0	25.0	37.4#



#38
 Carbon Tetrachloride
 Concen: 5.584 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN064829.D
 Acq: 24 Nov 2020 23:29

Tgt Ion	117	Resp	16344
Ion Ratio	Lower	Upper	
117	100		
119	6.2	76.7	115.1#
121	0.0	25.4	38.2#

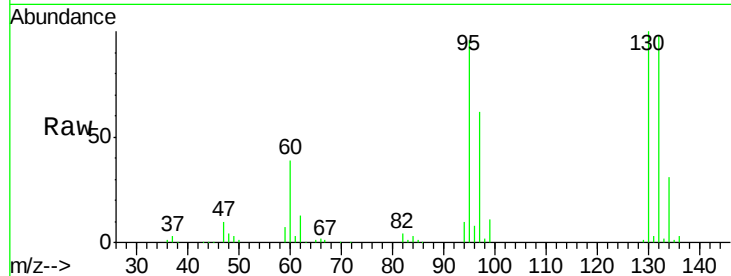




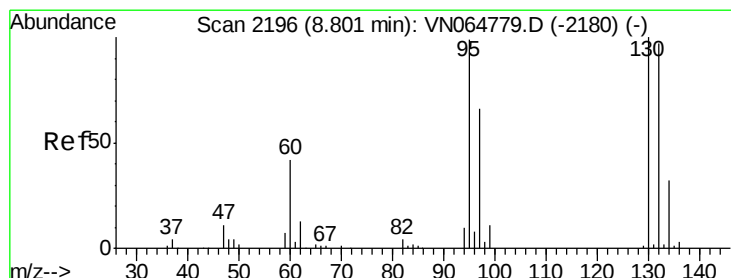
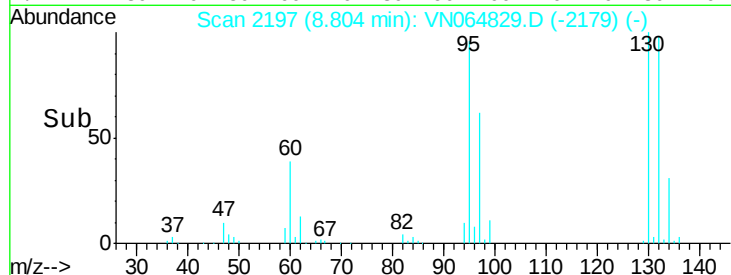
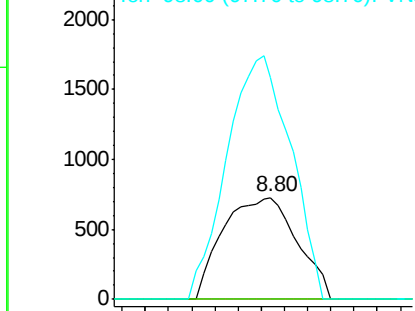
#39
Methvlcvclohexane
Concen: 0.535 ug/l
RT: 8.80 min Scan# 2197
Delta R.T. -0.24 min
Lab File: VN064829.D
Acq: 24 Nov 2020 23:29

Instrument :
MSVOA_N
ClientSampleId :
15BR-20201118DL

Tot Ion: 83 Resp: 1621
Ion Ratio Lower Upper
83 100
55 0.0 60.2 90.2#
98 218.3 37.4 56.2#

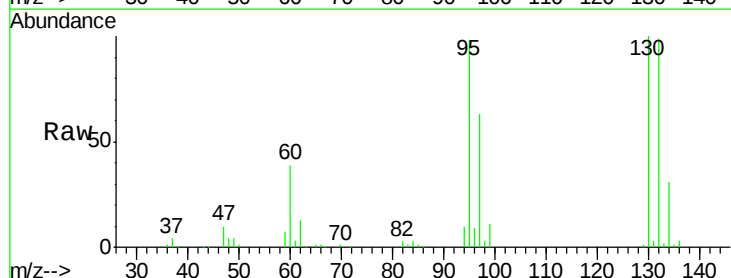


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

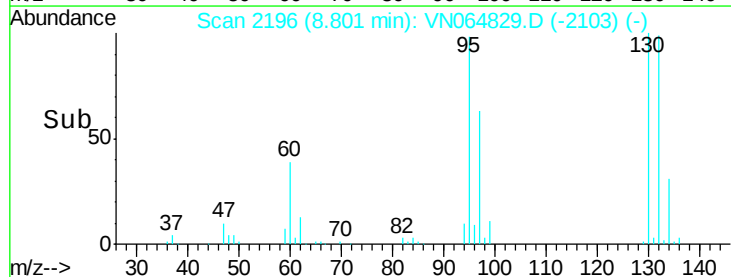
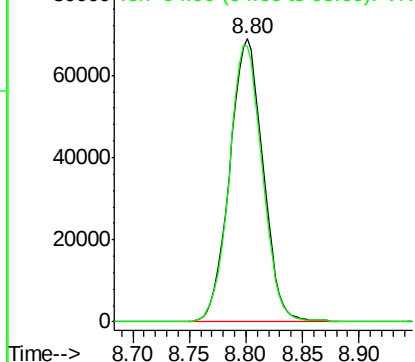


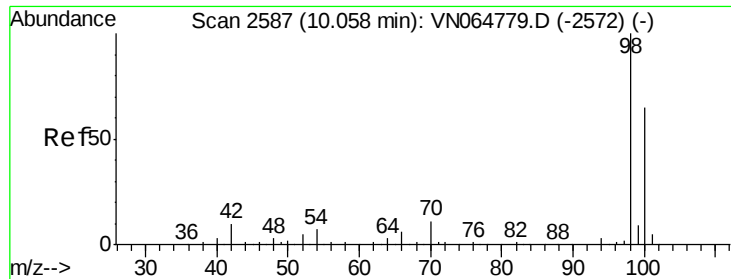
#44
Trichloroethene
Concen: 55.548 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. 0.00 min
Lab File: VN064829.D
Acq: 24 Nov 2020 23:29

Tgt Ion:130 Resp: 141278
Ion Ratio Lower Upper
130 100
95 97.6 0.0 197.8



Abundance Ion 129.80 (129.50 to 130.50): V
80000 Ion 94.90 (94.60 to 95.60): VN0





#50

Toluene-d8

Concen: 50.758 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN064829.D

Acq: 24 Nov 2020 23:29

Instrument :

MSVOA_N

ClientSampleId :

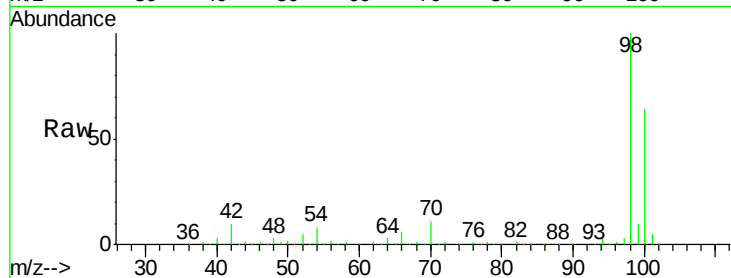
15BR-20201118DL

Tot Ion: 98 Resp: 376617

Ion Ratio Lower Upper

98 100

100 64.8 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

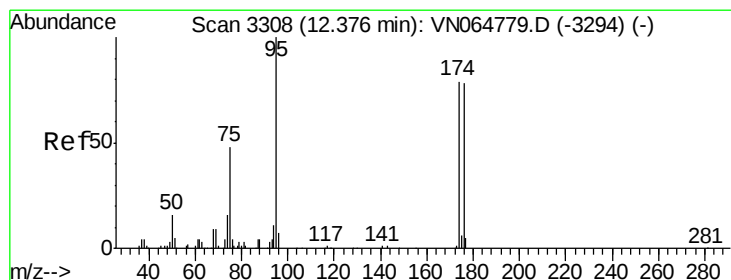
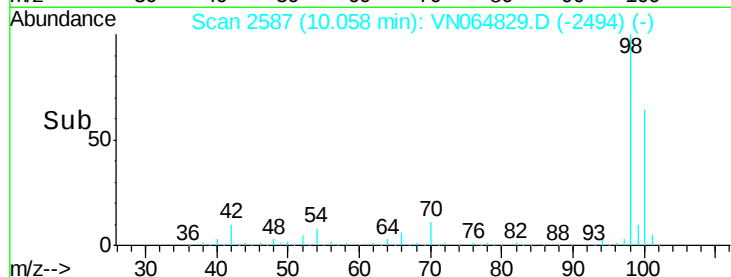
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 55.016 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. -0.00 min

Lab File: VN064829.D

Acq: 24 Nov 2020 23:29

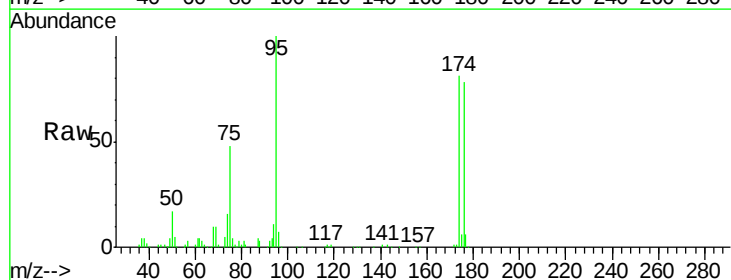
Tgt Ion: 95 Resp: 146090

Ion Ratio Lower Upper

95 100

174 80.5 0.0 160.4

176 76.5 0.0 158.4



Abundance Ion 94.90 (94.60 to 95.60): VN064779.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN064779.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN064779.D (-3294) (-)

12.37

100000

80000

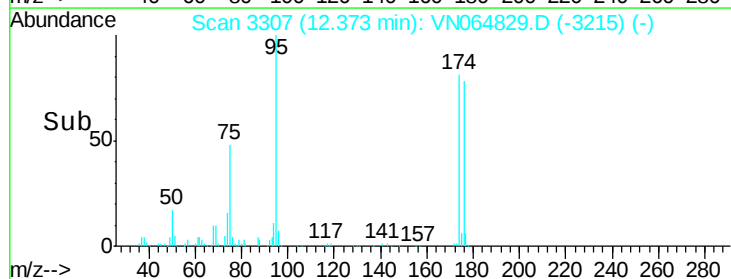
60000

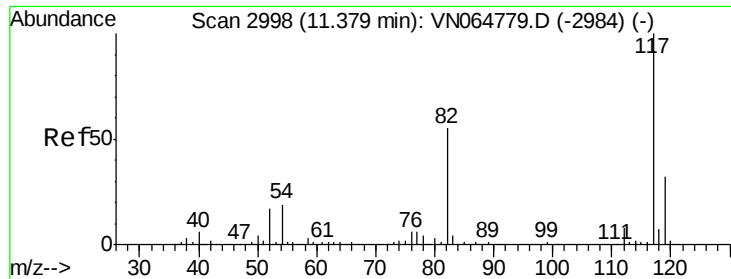
40000

20000

0

Time-->





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN064829.D

Acq: 24 Nov 2020 23:29

Instrument :

MSVOA_N

ClientSampleId :

15BR-20201118DL

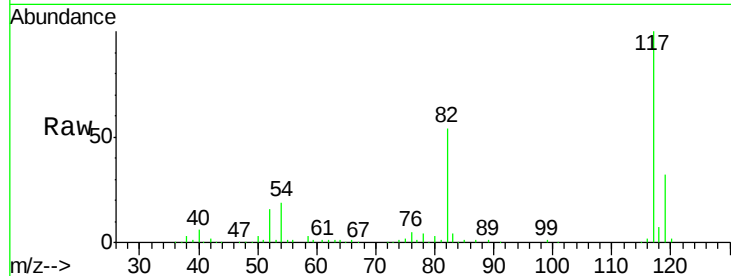
Tot Ion:117 Resp: 312269

Ion Ratio Lower Upper

117 100

82 54.1 44.2 66.2

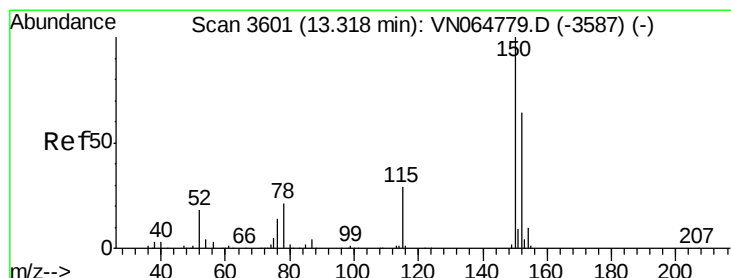
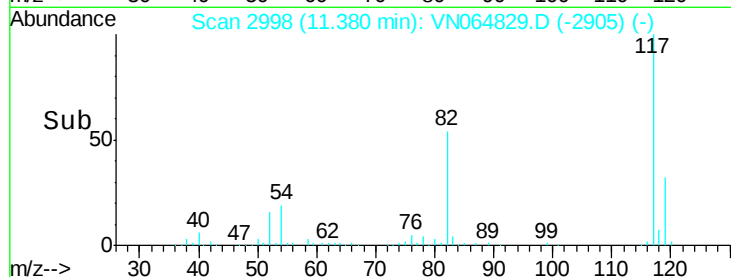
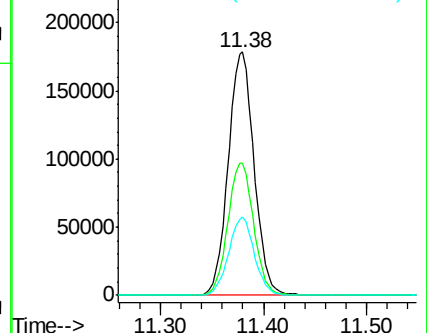
119 32.1 25.8 38.6



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN064829.D

Acq: 24 Nov 2020 23:29

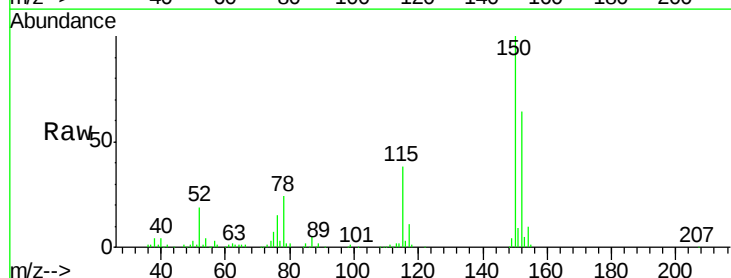
Tgt Ion:152 Resp: 139185

Ion Ratio Lower Upper

152 100

115 59.4 29.7 89.1

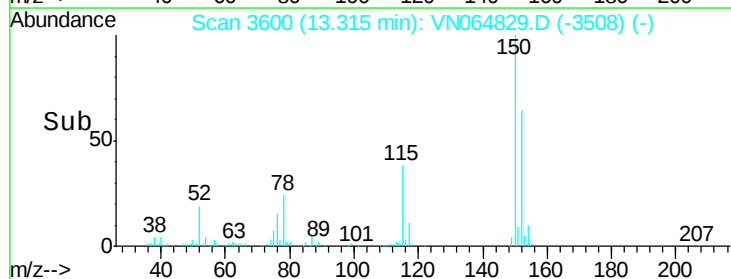
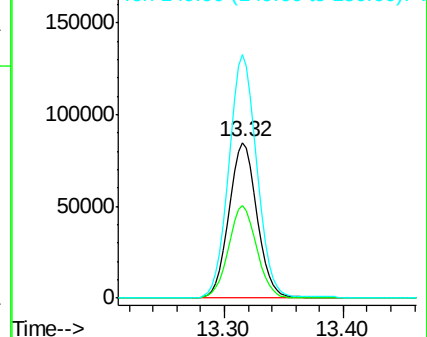
150 155.9 0.0 350.6

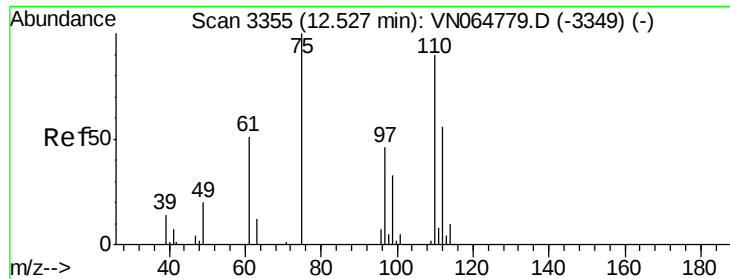


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

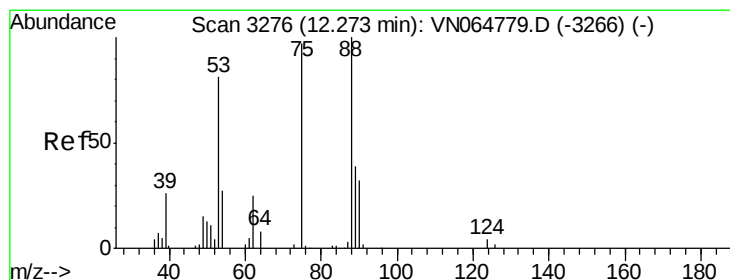
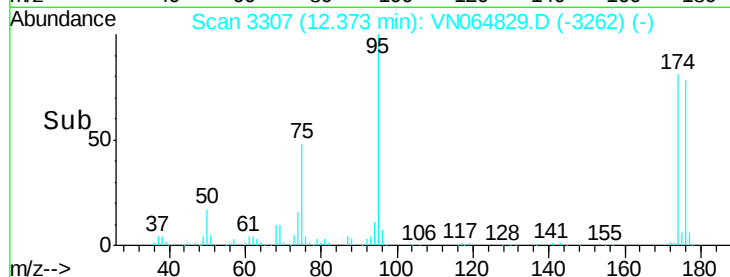
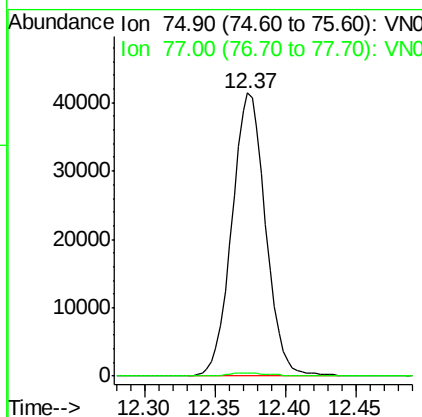
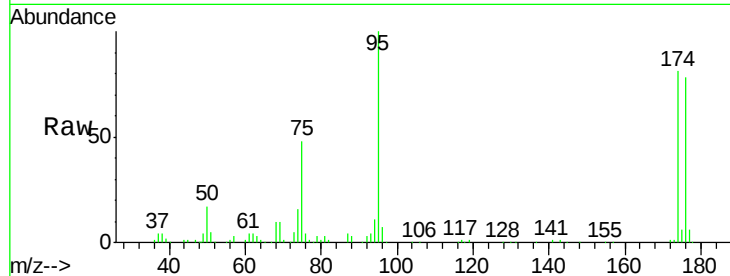




#76
 1,2,3-Trichloropropane
 Concen: 23.094 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. -0.15 min
 Lab File: VN064829.D
 Acq: 24 Nov 2020 23:29

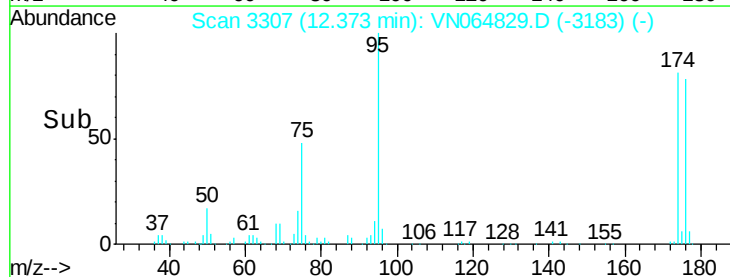
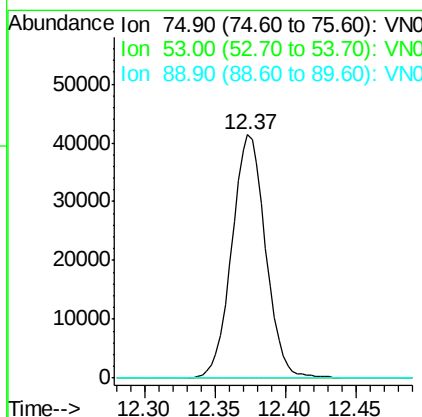
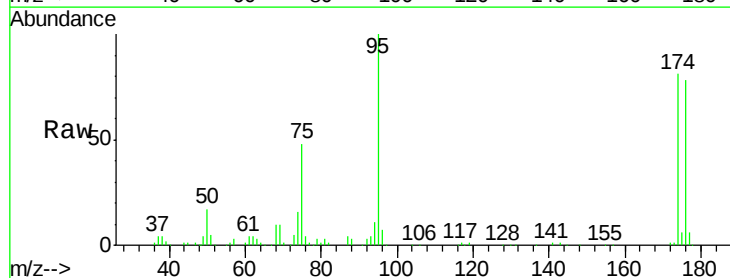
Instrument :
 MSVOA_N
 ClientSampleId :
 15BR-20201118DL

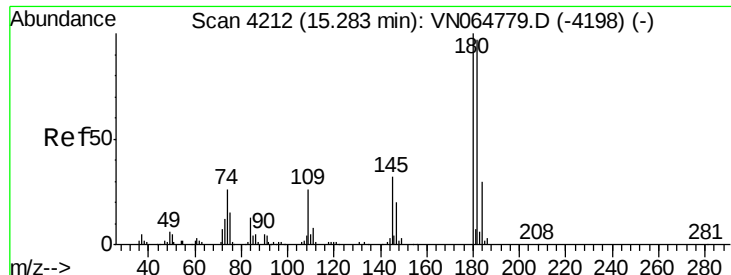
Tot Ion: 75 Resp: 69224
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 63.296 ug/l
 RT: 12.37 min Scan# 3307
 Delta R.T. 0.10 min
 Lab File: VN064829.D
 Acq: 24 Nov 2020 23:29

Tgt Ion: 75 Resp: 69224
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.0 100.4#
 89 0.0 39.6 59.4#

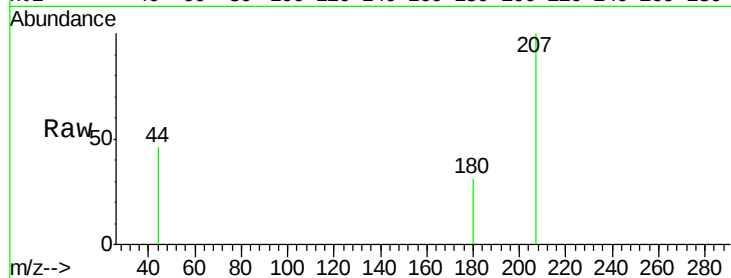




#96
 1,2,3-Trichlorobenzene
 Concen: 1.417 ug/l
 RT: 15.29 min Scan# 4213
 Delta R.T. 0.00 min
 Lab File: VN064829.D
 Acq: 24 Nov 2020 23:29

Instrument :
 MSVOA_N
 ClientSampleId :
 15BR-20201118DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	0.0	48.1	144.4#
145	0.0	16.4	49.1#



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.90 (144.60 to 145.60): V

