

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064765.D
 Acq On : 20 Nov 2020 7:07
 Operator : JC/MD
 Sample : L4798-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 22BR-20201118

Quant Time: Nov 20 08:15:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 18 15:29:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	209335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	467042	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	462295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	190491	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	214112	58.14	ug/l	0.00
Spiked Amount			Recovery	=	116.28%	
35) Dibromofluoromethane	7.55	113	153088	57.59	ug/l	0.00
Spiked Amount			Recovery	=	115.18%	
50) Toluene-d8	10.06	98	562280	46.54	ug/l	0.00
Spiked Amount			Recovery	=	93.08%	
62) 4-Bromofluorobenzene	12.38	95	226121	50.07	ug/l	0.00
Spiked Amount			Recovery	=	100.14%	

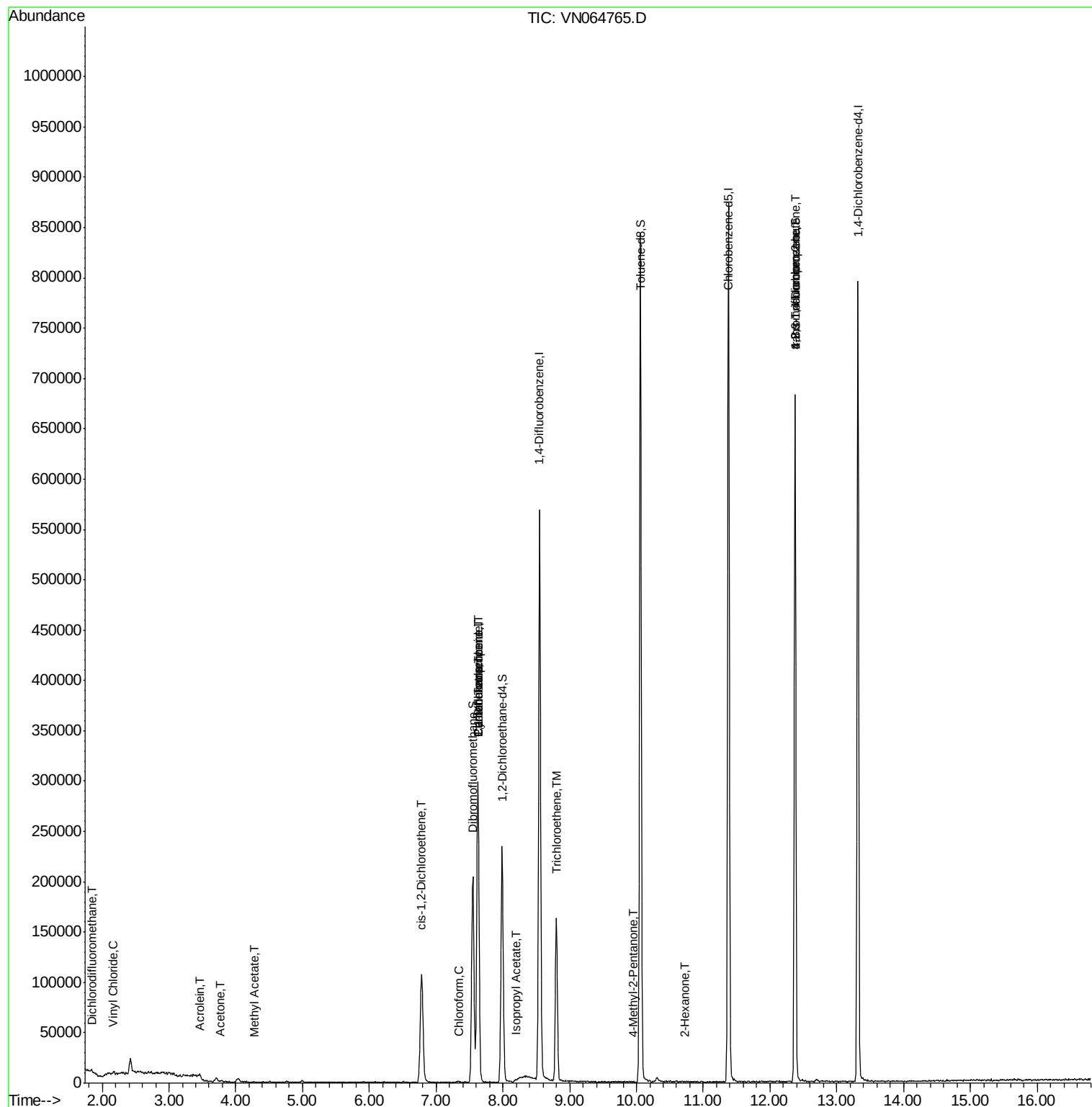
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	1265	0.484	ug/l	89
4) Vinyl Chloride	2.17	62	2705	0.896	ug/l	97
13) Acrolein	3.48	56	32	0.383	ug/l #	1
16) Acetone	3.78	43	670	5.801	ug/l #	48
18) Methyl Acetate	4.28	43	609	1.554	ug/l #	54
27) cis-1,2-Dichloroethene	6.78	96	67352	24.327	ug/l	87
30) Chloroform	7.34	83	1483	0.285	ug/l #	78
31) Cyclohexane	7.62	56	3617	0.909	ug/l #	46
36) 1,1-Dichloropropene	7.62	75	20756	4.320	ug/l #	49
38) Carbon Tetrachloride	7.63	117	25146	4.924	ug/l #	18
43) Isopropyl Acetate	8.20	43	2066	0.265	ug/l #	64
44) Trichloroethene	8.80	130	58914	15.333	ug/l	94
51) 4-Methyl-2-Pentanone	9.96	43	531	6.240	ug/l #	39
59) 2-Hexanone	10.72	43	501	8.579	ug/l #	28
76) 1,2,3-Trichloropropane	12.38	75	129579	31.571	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	129579	80.399	ug/l #	5

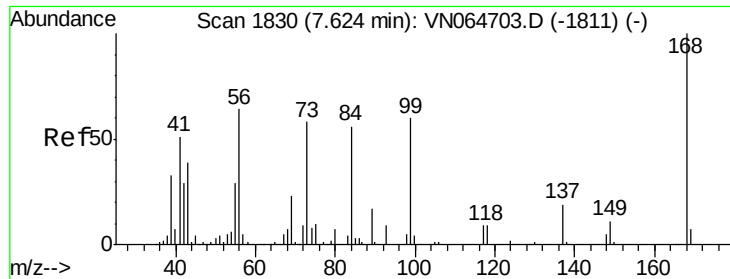
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN064765.D

Acq: 20 Nov 2020 7:07

Instrument :

MSVOA_N

ClientSampleId :

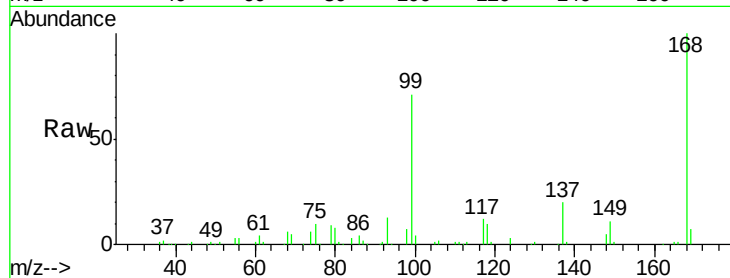
22BR-20201118

Tot Ion:168 Resp: 209335

Ion Ratio Lower Upper

168 100

99 71.2 55.7 83.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

80000

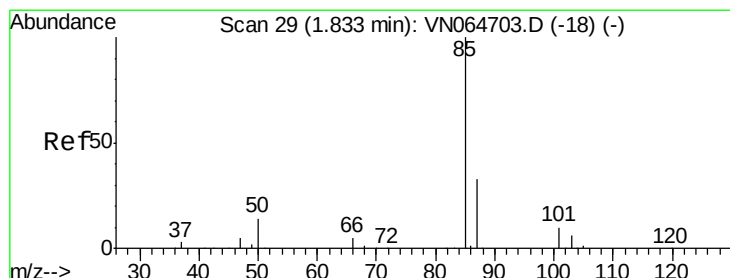
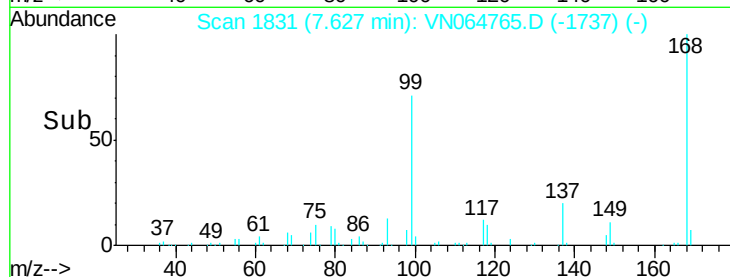
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 0.484 ug/l

RT: 1.83 min Scan# 29

Delta R.T. -0.00 min

Lab File: VN064765.D

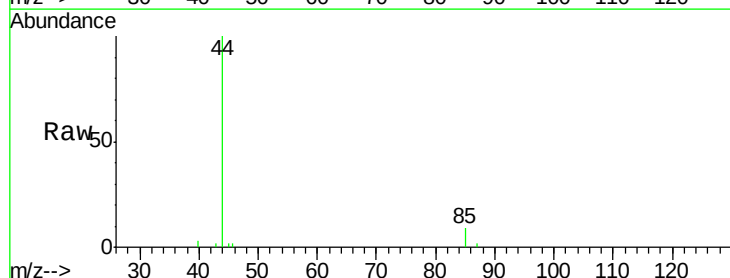
Acq: 20 Nov 2020 7:07

Tgt Ion: 85 Resp: 1265

Ion Ratio Lower Upper

85 100

87 26.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

1000

800

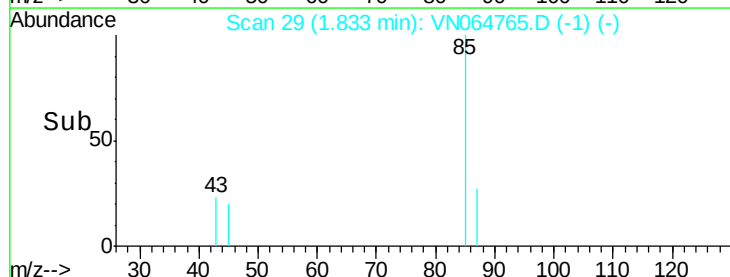
600

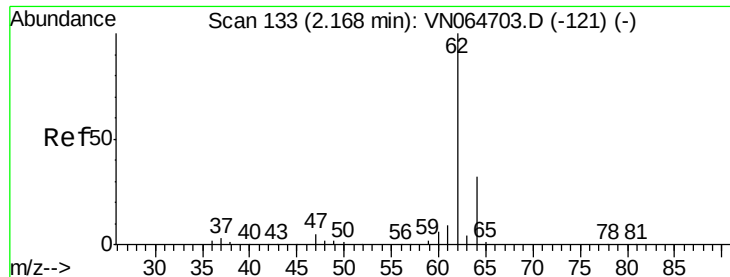
400

200

0

Time--> 1.80 1.82 1.84 1.86





#4

Vinyl Chloride

Concen: 0.896 ug/l

RT: 2.17 min Scan# 134

Delta R.T. 0.00 min

Lab File: VN064765.D

Acq: 20 Nov 2020 7:07

Instrument :

MSVOA_N

ClientSampleId :

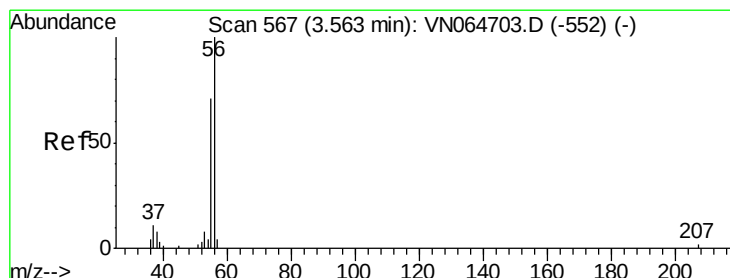
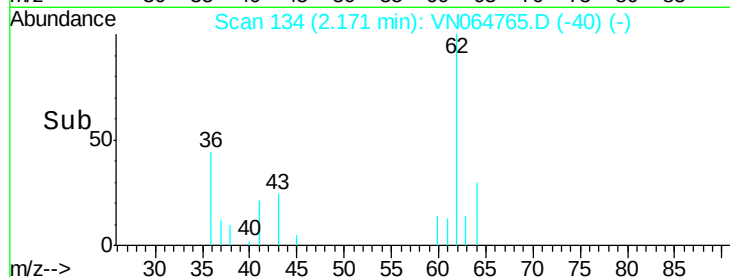
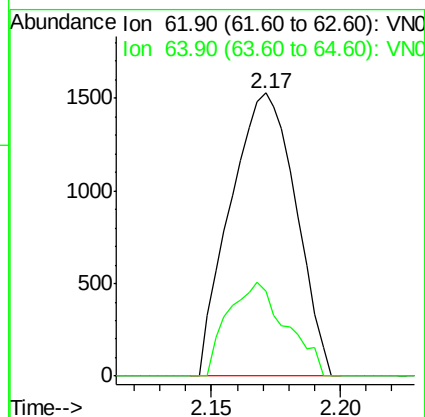
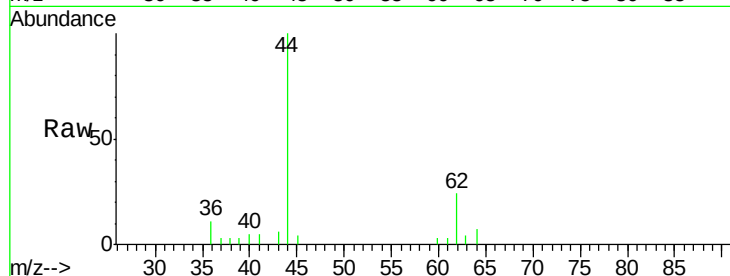
22BR-20201118

Tot Ion: 62 Resp: 2705

Ion Ratio Lower Upper

62 100

64 29.9 25.2 37.8



#13

Acrolein

Concen: 0.383 ug/l

RT: 3.48 min Scan# 540

Delta R.T. -0.09 min

Lab File: VN064765.D

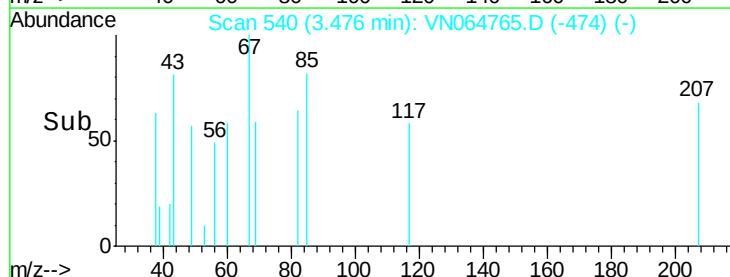
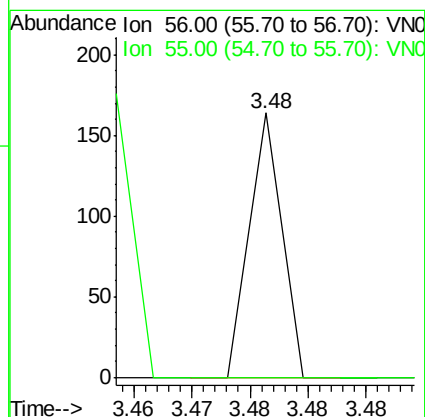
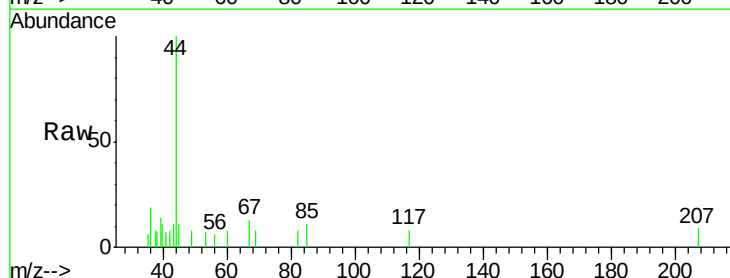
Acq: 20 Nov 2020 7:07

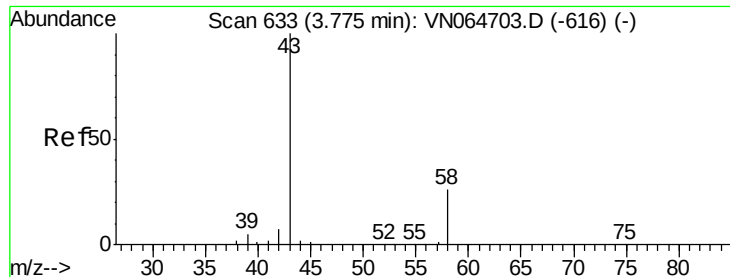
Tgt Ion: 56 Resp: 32

Ion Ratio Lower Upper

56 100

55 728.1 61.8 92.6#





#16

Acetone

Concen: 5.801 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN064765.D

Acq: 20 Nov 2020 7:07

Instrument :

MSVOA_N

ClientSampleId :

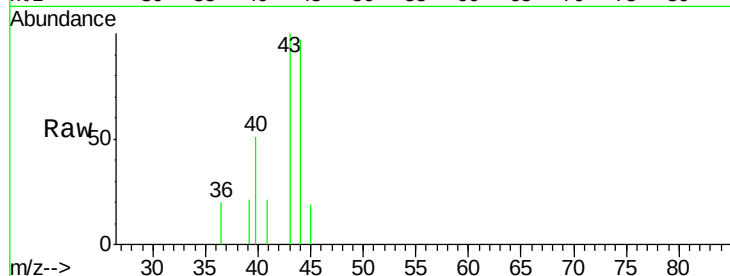
22BR-20201118

Tot Ion: 43 Resp: 670

Ion Ratio Lower Upper

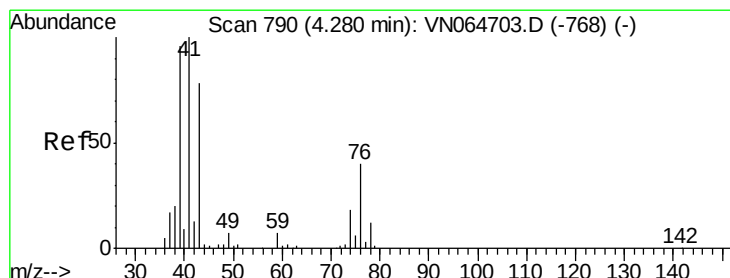
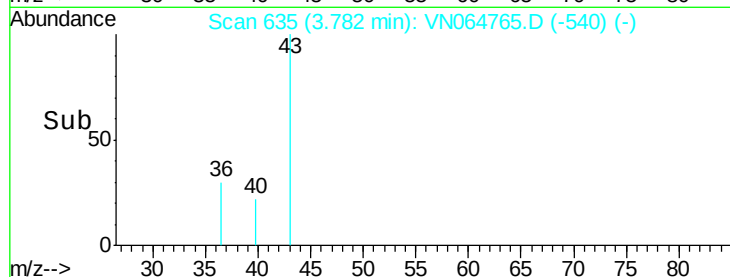
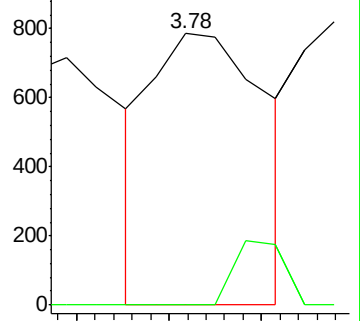
43 100

58 0.0 21.2 31.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.554 ug/l

RT: 4.28 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN064765.D

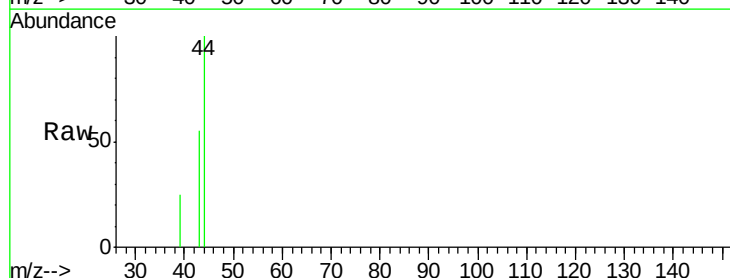
Acq: 20 Nov 2020 7:07

Tgt Ion: 43 Resp: 609

Ion Ratio Lower Upper

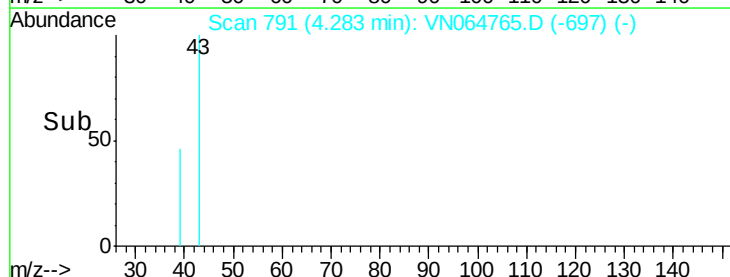
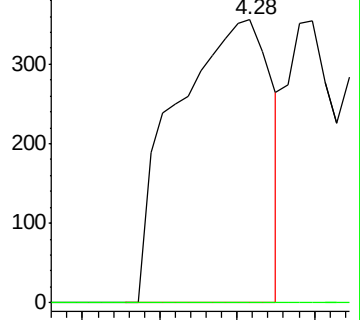
43 100

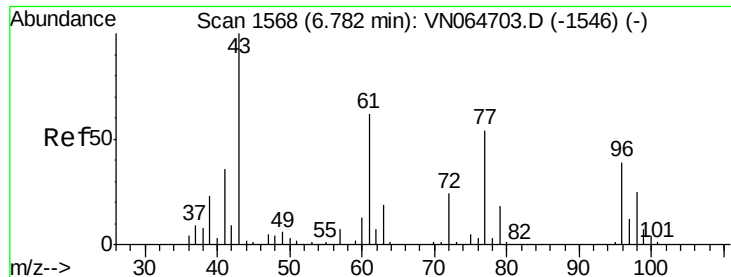
74 0.0 17.6 26.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





#27

cis-1,2-Dichloroethene

Concen: 24.327 ug/l

RT: 6.78 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VN064765.D

Acq: 20 Nov 2020 7:07

Instrument :

MSVOA_N

ClientSampleId :

22BR-20201118

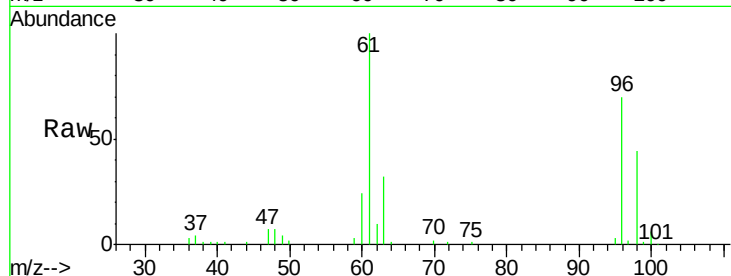
Tot Ion: 96 Resp: 67352

Ion Ratio Lower Upper

96 100

61 139.0 0.0 322.6

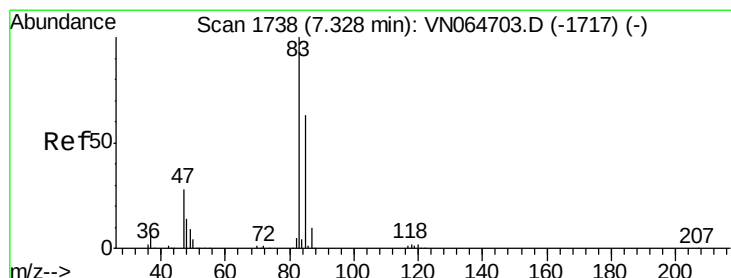
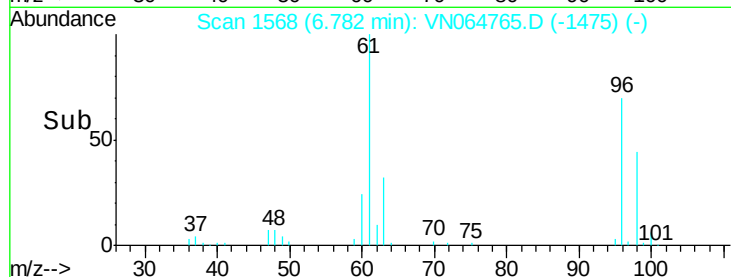
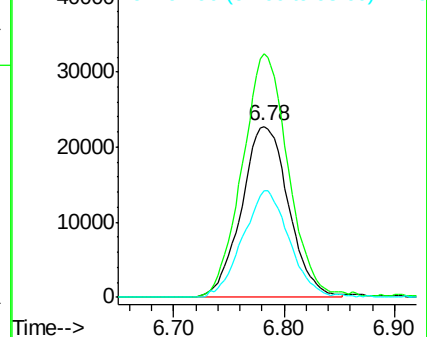
98 61.4 0.0 128.6



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



#30

Chloroform

Concen: 0.285 ug/l

RT: 7.34 min Scan# 1741

Delta R.T. 0.01 min

Lab File: VN064765.D

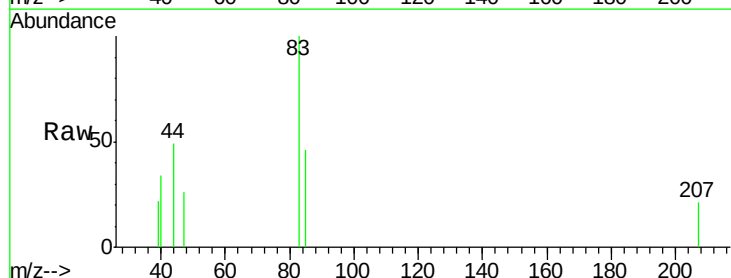
Acq: 20 Nov 2020 7:07

Tgt Ion: 83 Resp: 1483

Ion Ratio Lower Upper

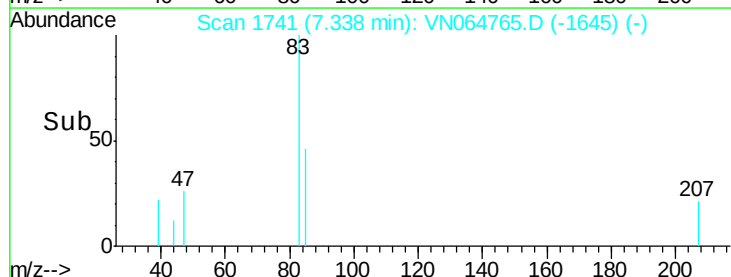
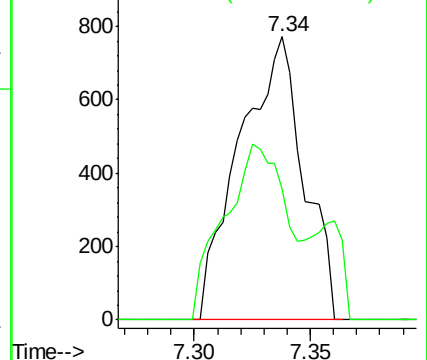
83 100

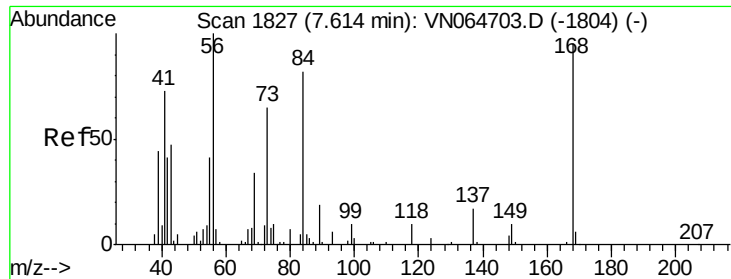
85 46.1 50.6 75.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

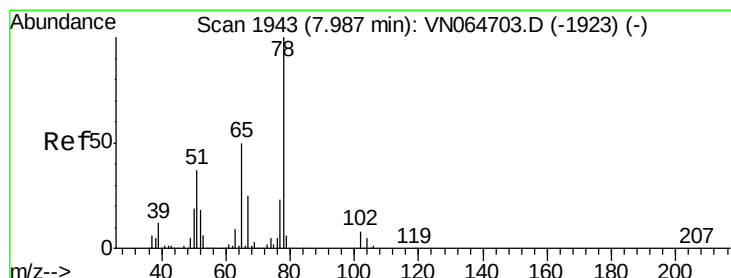
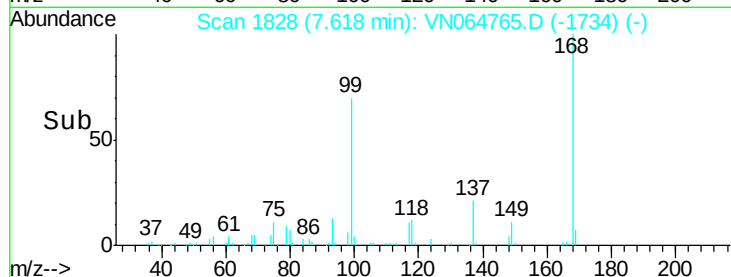
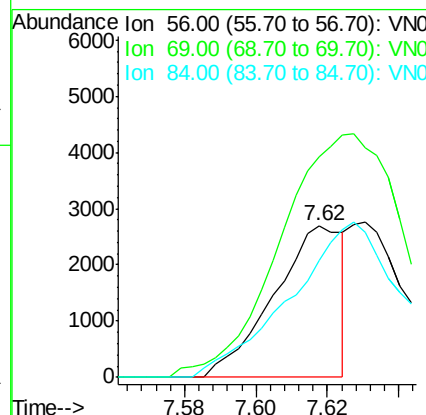
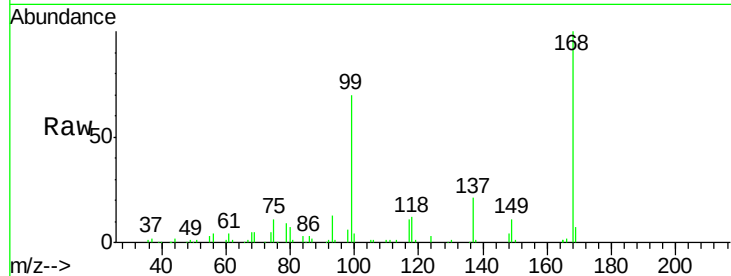




#31
Cyclohexane
Concen: 0.909 ug/l
RT: 7.62 min Scan# 1828
Delta R.T. 0.00 min
Lab File: VN064765.D
Acq: 20 Nov 2020 7:07

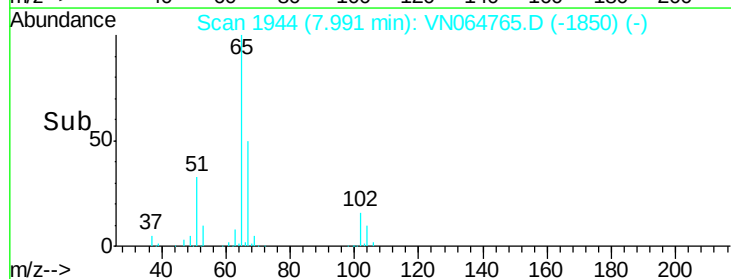
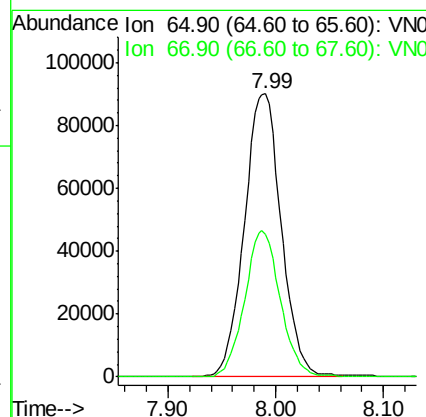
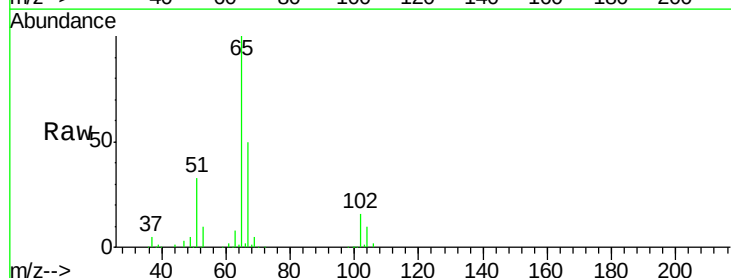
Instrument :
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ClientSampleId :
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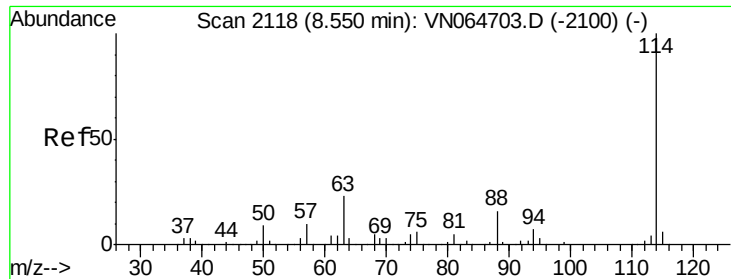
Tot Ion: 56 Resp: 3617
Ion Ratio Lower Upper
56 100
69 138.1 27.2 40.8#
84 83.3 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 58.142 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN064765.D
Acq: 20 Nov 2020 7:07

Tgt Ion: 65 Resp: 214112
Ion Ratio Lower Upper
65 100
67 49.6 0.0 99.8

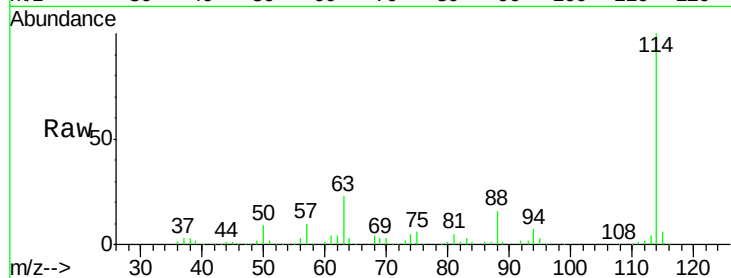




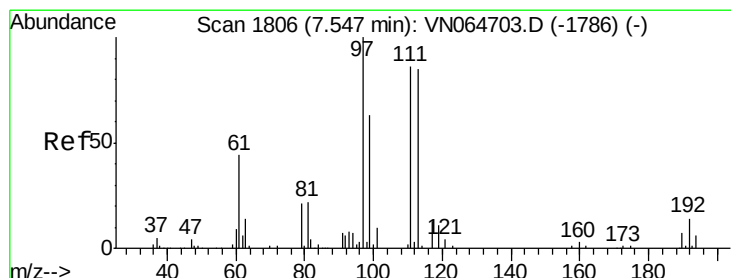
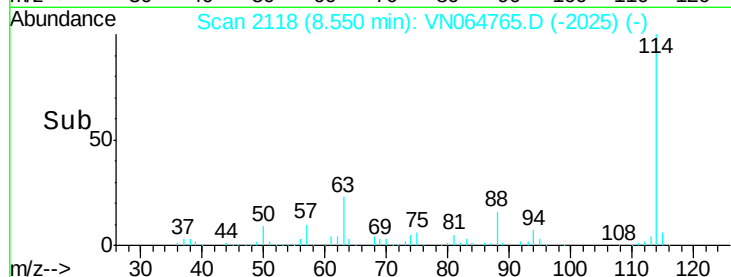
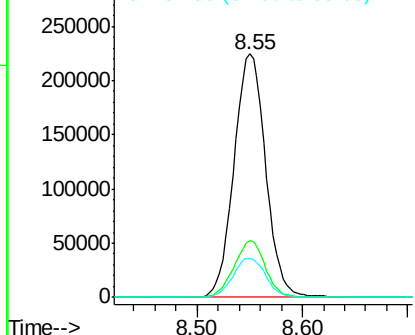
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN064765.D
Acq: 20 Nov 2020 7:07

Instrument :
MSVOA_N
ClientSampleId :
22BR-20201118

Tot Ion:114 Resp: 467042
Ion Ratio Lower Upper
114 100
63 23.2 0.0 46.0
88 16.0 0.0 31.2

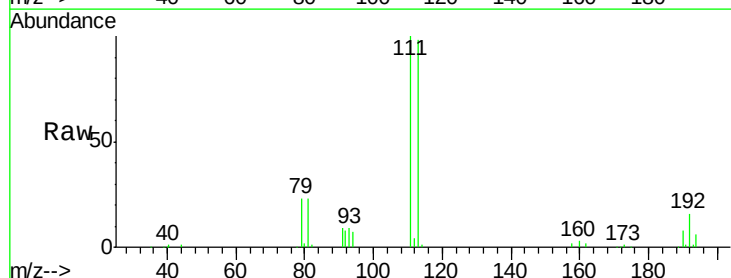


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

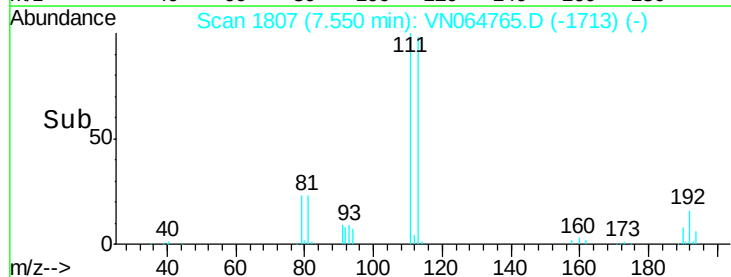
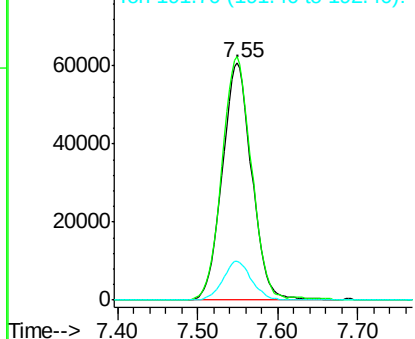


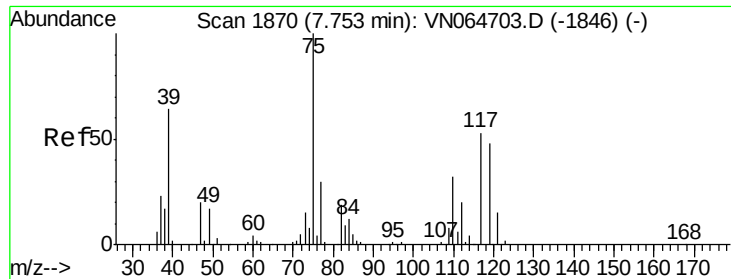
#35
Dibromofluoromethane
Concen: 57.589 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064765.D
Acq: 20 Nov 2020 7:07

Tgt Ion:113 Resp: 153088
Ion Ratio Lower Upper
113 100
111 102.4 82.2 123.4
192 15.8 12.7 19.1



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

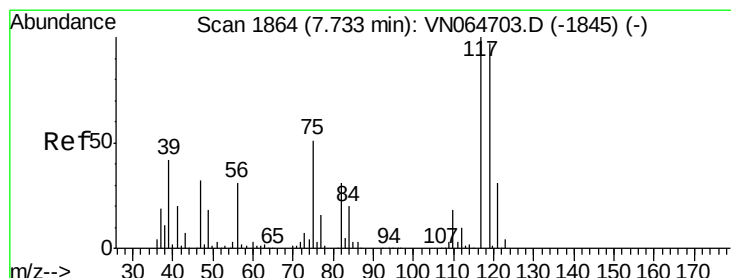
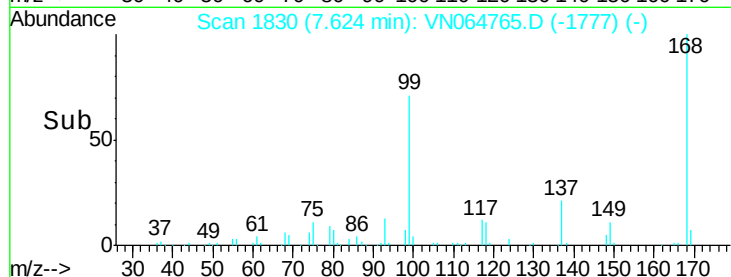
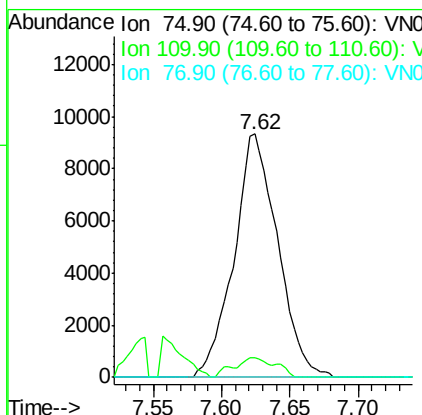
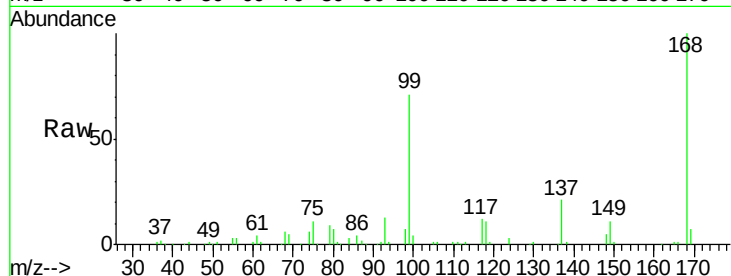




#36
 1,1-Dichloropropene
 Concen: 4.320 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064765.D
 Acq: 20 Nov 2020 7:07

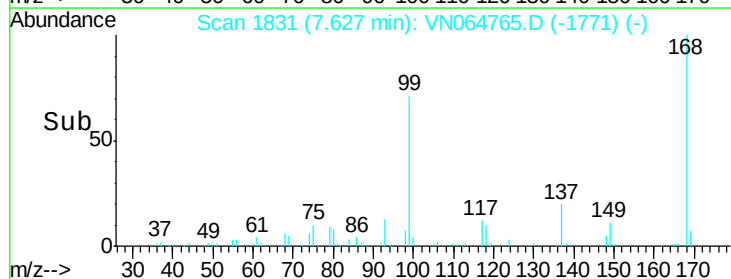
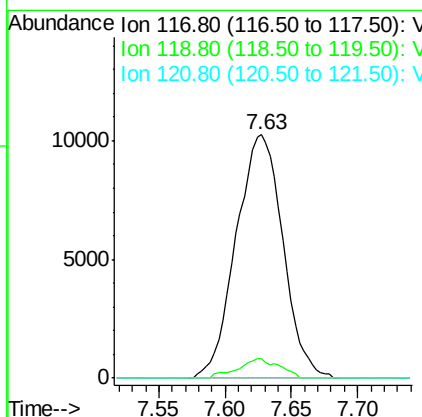
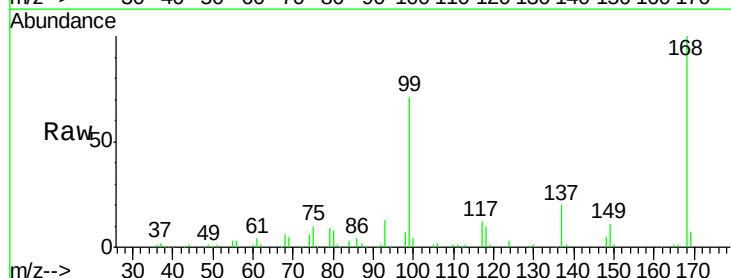
Instrument :
 MSVOA_N
 ClientSampleId :
 22BR-20201118

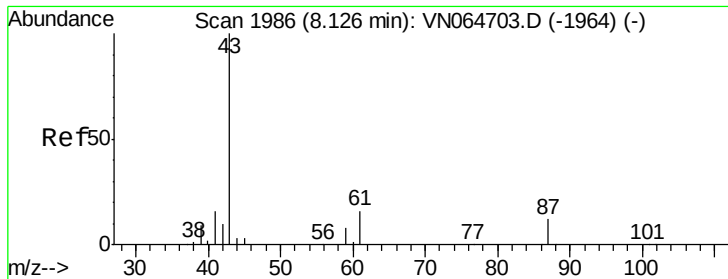
Tot Ion	Ratio	Lower	Upper
75	100		
110	6.3	16.2	48.6#
77	0.0	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 4.924 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.11 min
 Lab File: VN064765.D
 Acq: 20 Nov 2020 7:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	8.1	77.8	116.6#
121	0.0	24.9	37.3#





#43

Isopropyl Acetate

Concen: 0.265 ug/l

RT: 8.20 min Scan# 2010

Delta R.T. 0.08 min

Lab File: VN064765.D

Acq: 20 Nov 2020 7:07

Instrument :

MSVOA_N

ClientSampled :

22BR-20201118

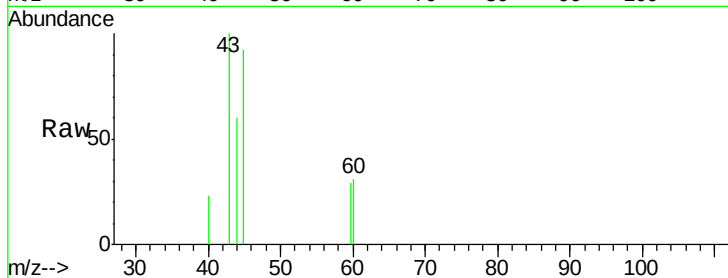
Tot Ion: 43 Resp: 2066

Ion Ratio Lower Upper

43 100

61 0.0 14.1 21.1#

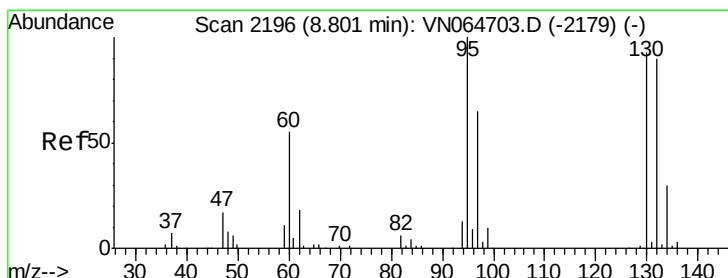
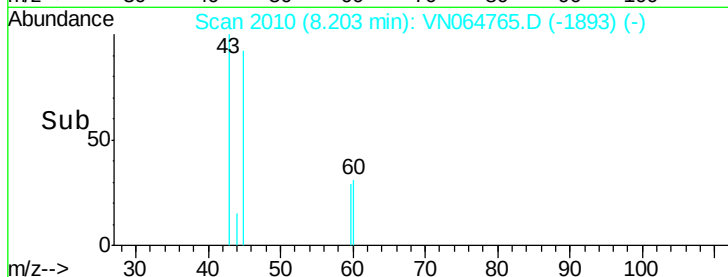
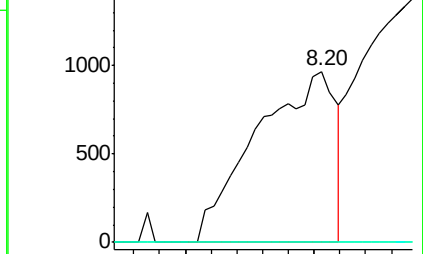
87 0.0 9.1 13.7#



Abundance Ion 43.00 (42.70 to 43.70): VN064765.D (-2010) (-)

Ion 61.00 (60.70 to 61.70): VN064765.D (-2010) (-)

Ion 87.00 (86.70 to 87.70): VN064765.D (-2010) (-)



#44

Trichloroethene

Concen: 15.333 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064765.D

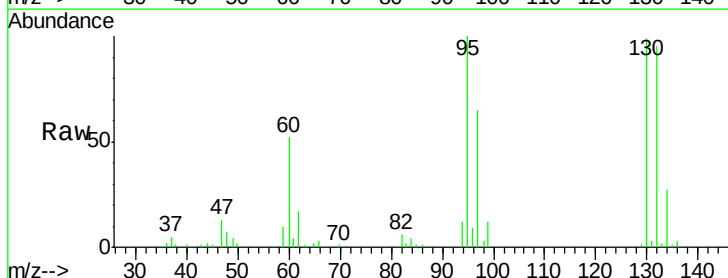
Acq: 20 Nov 2020 7:07

Tgt Ion:130 Resp: 58914

Ion Ratio Lower Upper

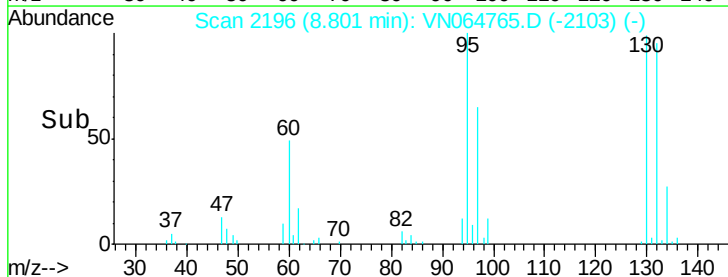
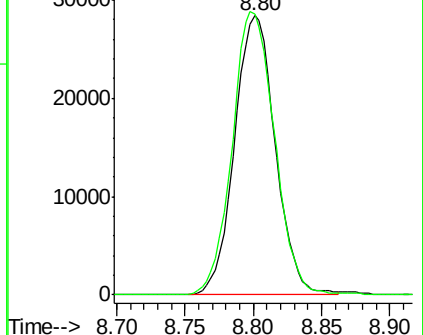
130 100

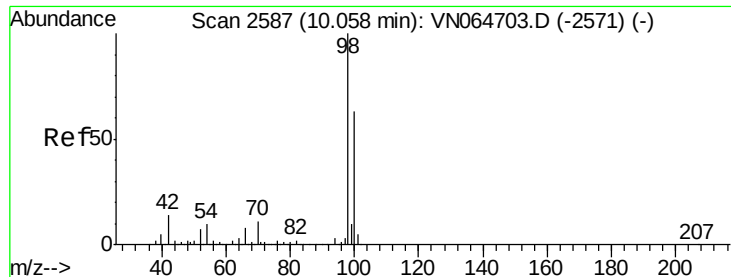
95 100.6 0.0 214.2



Abundance Ion 129.80 (129.50 to 130.50): VN064765.D (-2196) (-)

Ion 94.90 (94.60 to 95.60): VN064765.D (-2196) (-)





#50

Toluene-d8

Concen: 46.541 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064765.D

Acq: 20 Nov 2020 7:07

Instrument :

MSVOA_N

ClientSampleId :

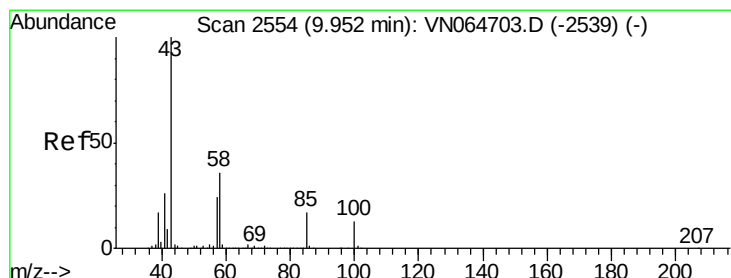
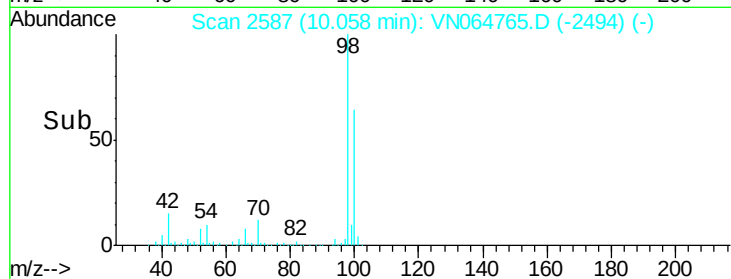
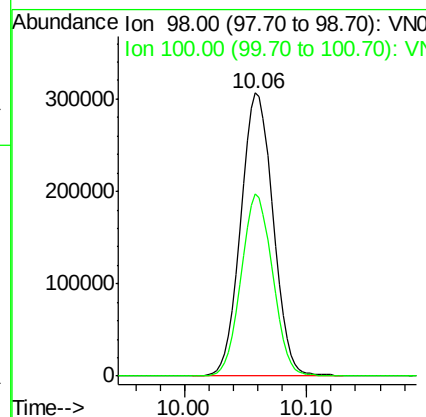
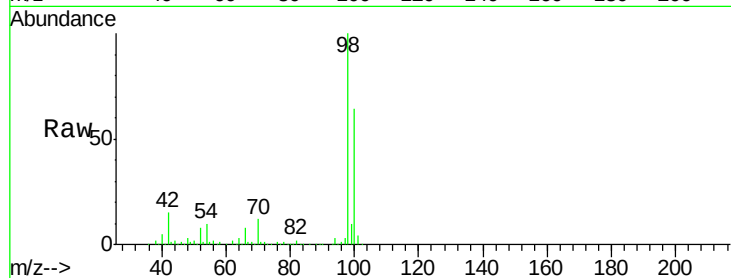
22BR-20201118

Tot Ion: 98 Resp: 562280

Ion Ratio Lower Upper

98 100

100 62.6 50.4 75.6



#51

4-Methyl-2-Pentanone

Concen: 6.240 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN064765.D

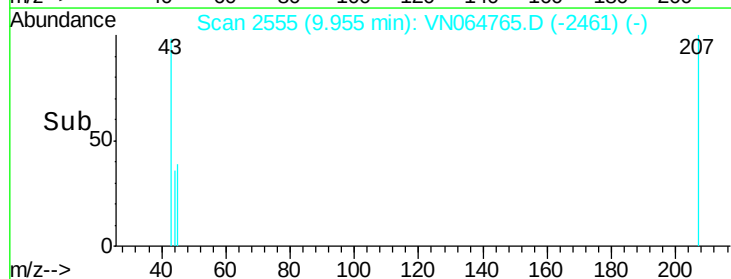
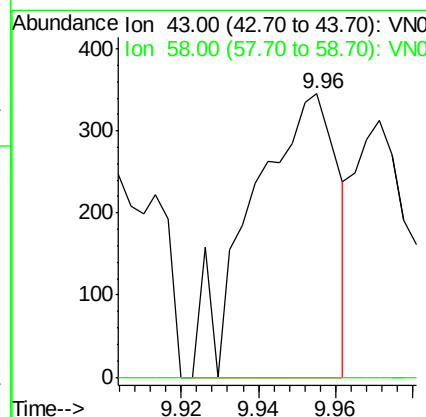
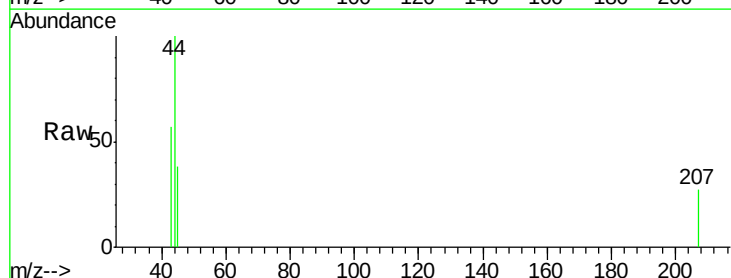
Acq: 20 Nov 2020 7:07

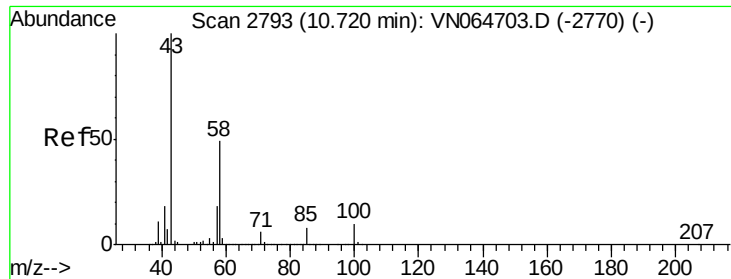
Tgt Ion: 43 Resp: 531

Ion Ratio Lower Upper

43 100

58 0.0 28.5 42.7#





#59

2-Hexanone

Concen: 8.579 ug/l

RT: 10.72 min Scan# 2794

Delta R.T. 0.00 min

Lab File: VN064765.D

Acq: 20 Nov 2020 7:07

Instrument :

MSVOA_N

ClientSampleId :

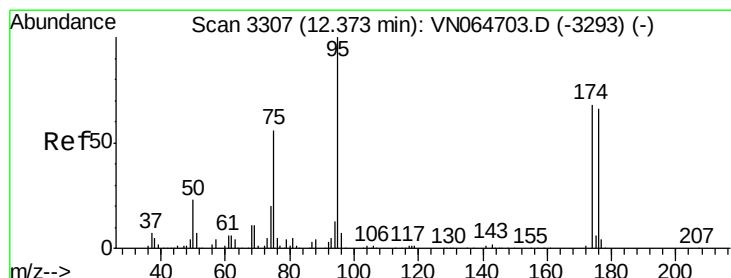
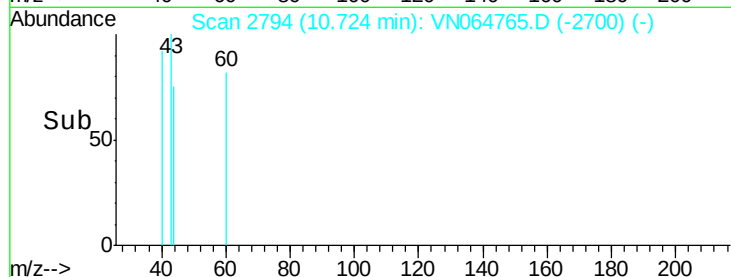
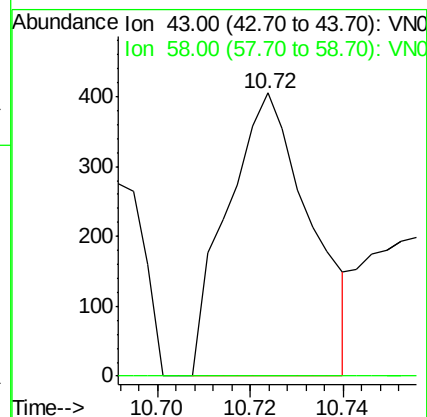
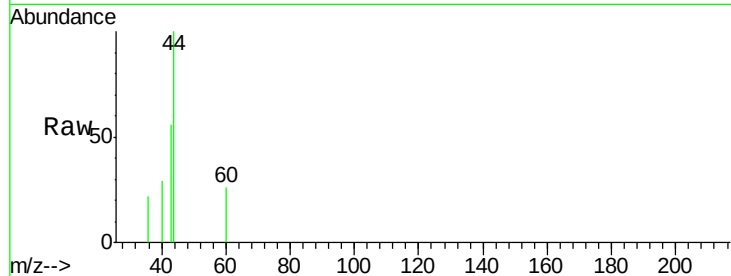
22BR-20201118

Tot Ion: 43 Resp: 501

Ion Ratio Lower Upper

43 100

58 0.0 24.4 73.4#



#62

4-Bromofluorobenzene

Concen: 50.073 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064765.D

Acq: 20 Nov 2020 7:07

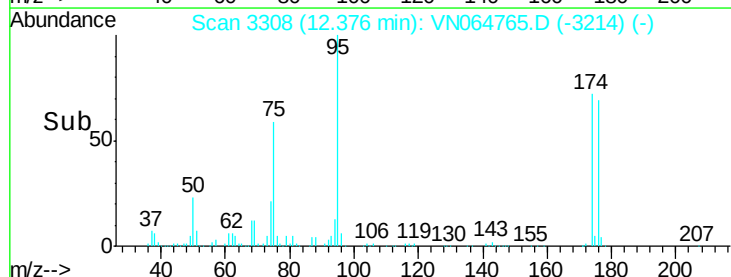
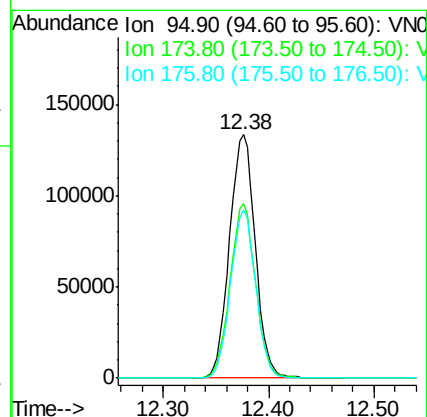
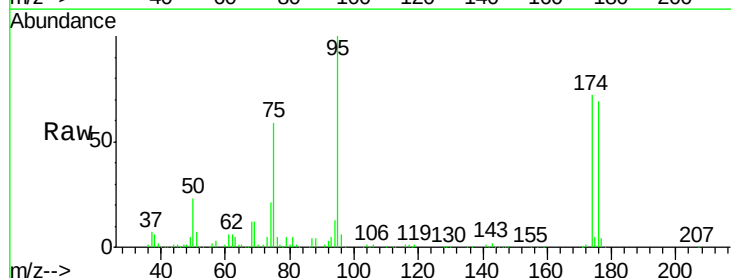
Tgt Ion: 95 Resp: 226121

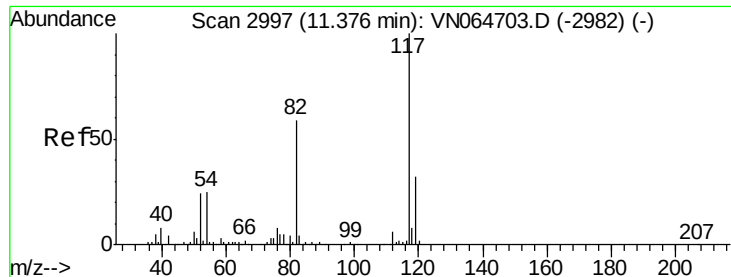
Ion Ratio Lower Upper

95 100

174 71.0 0.0 136.8

176 67.0 0.0 134.2

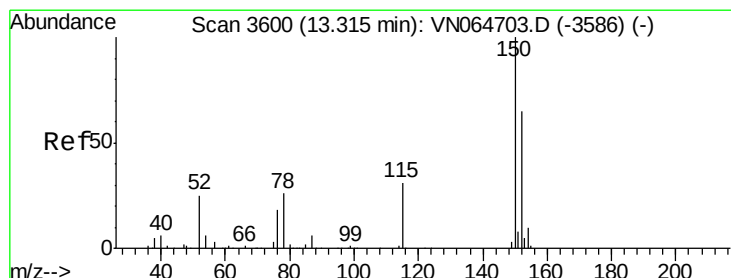
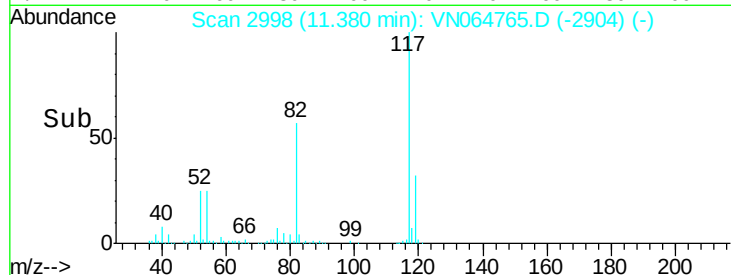
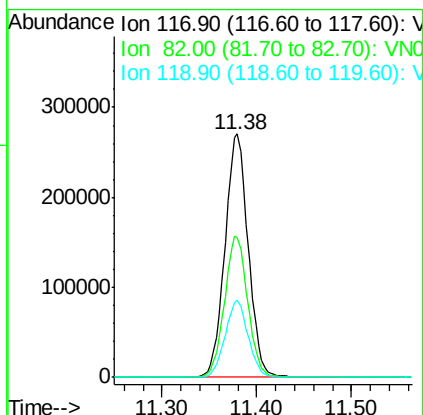
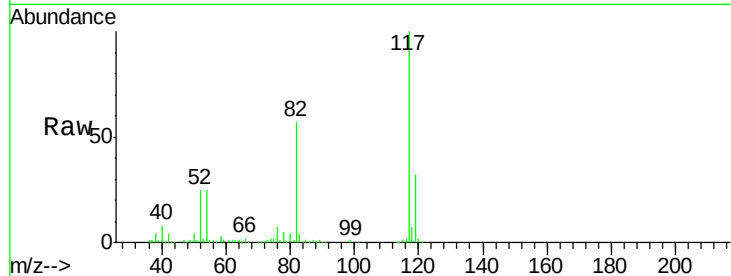




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064765.D
Acq: 20 Nov 2020 7:07

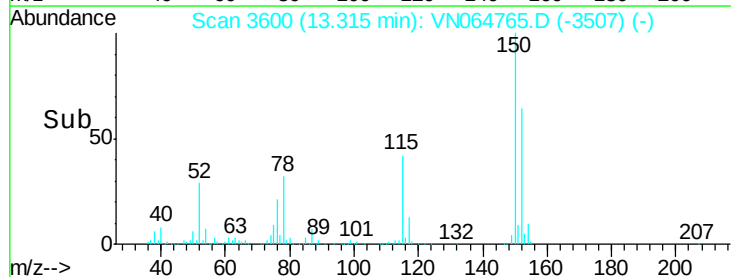
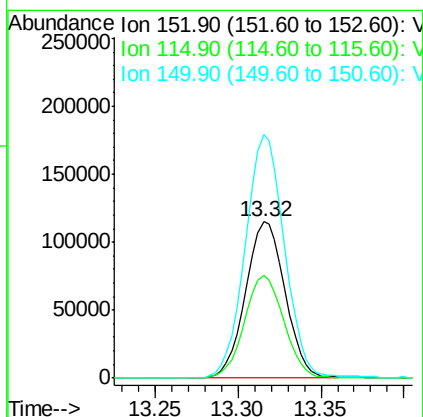
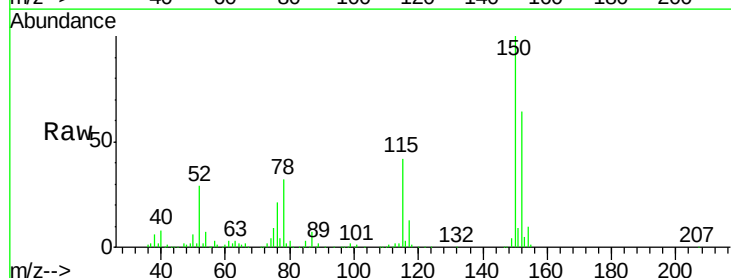
Instrument :
MSVOA_N
ClientSampleId :
22BR-20201118

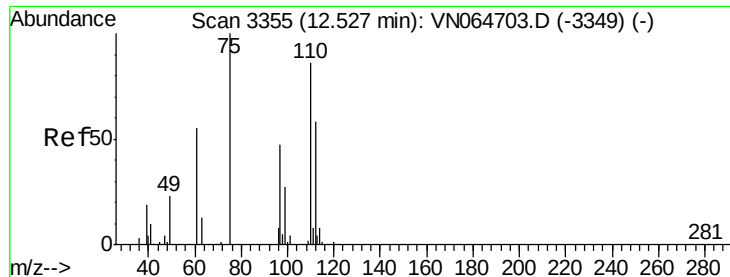
Tot Ion:117 Resp: 462295
Ion Ratio Lower Upper
117 100
82 57.4 47.0 70.6
119 31.6 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN064765.D
Acq: 20 Nov 2020 7:07

Tgt Ion:152 Resp: 190491
Ion Ratio Lower Upper
152 100
115 65.5 32.1 96.3
150 155.1 0.0 344.8





#76

1,2,3-Trichloropropane

Concen: 31.571 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064765.D

Acq: 20 Nov 2020 7:07

Instrument :

MSVOA_N

ClientSampled :

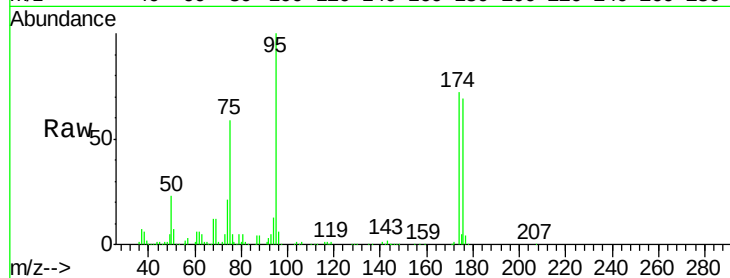
22BR-20201118

Tot Ion: 75 Resp: 129579

Ion Ratio Lower Upper

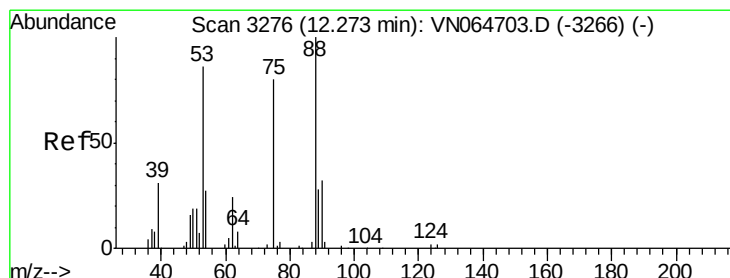
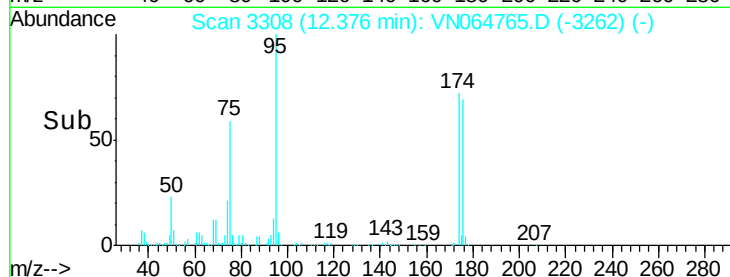
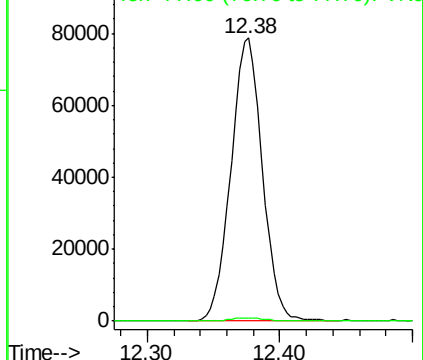
75 100

77 1.2 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: 80.399 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064765.D

Acq: 20 Nov 2020 7:07

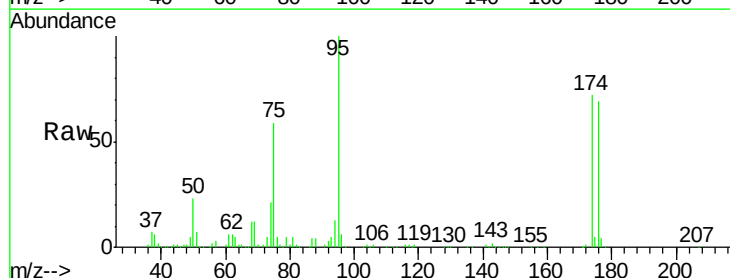
Tgt Ion: 75 Resp: 129579

Ion Ratio Lower Upper

75 100

53 0.3 88.8 133.2#

89 0.0 43.1 64.7#



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

