

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102120\
 Data File : VN064224.D
 Acq On : 21 Oct 2020 16:21
 Operator : JC/MD
 Sample : L4436-04
 Misc : 10.46g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 34A

Quant Time: Oct 22 01:49:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N102120W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 21 12:48:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	228903	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	402180	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	391054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	186685	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	173153	50.94	ug/l	0.00
Spiked Amount			Recovery	=	101.88%	
35) Dibromofluoromethane	7.54	113	132778	49.66	ug/l	0.00
Spiked Amount			Recovery	=	99.32%	
50) Toluene-d8	10.06	98	496985	51.24	ug/l	0.00
Spiked Amount			Recovery	=	102.48%	
62) 4-Bromofluorobenzene	12.38	95	218943	55.68	ug/l	0.00
Spiked Amount			Recovery	=	111.36%	

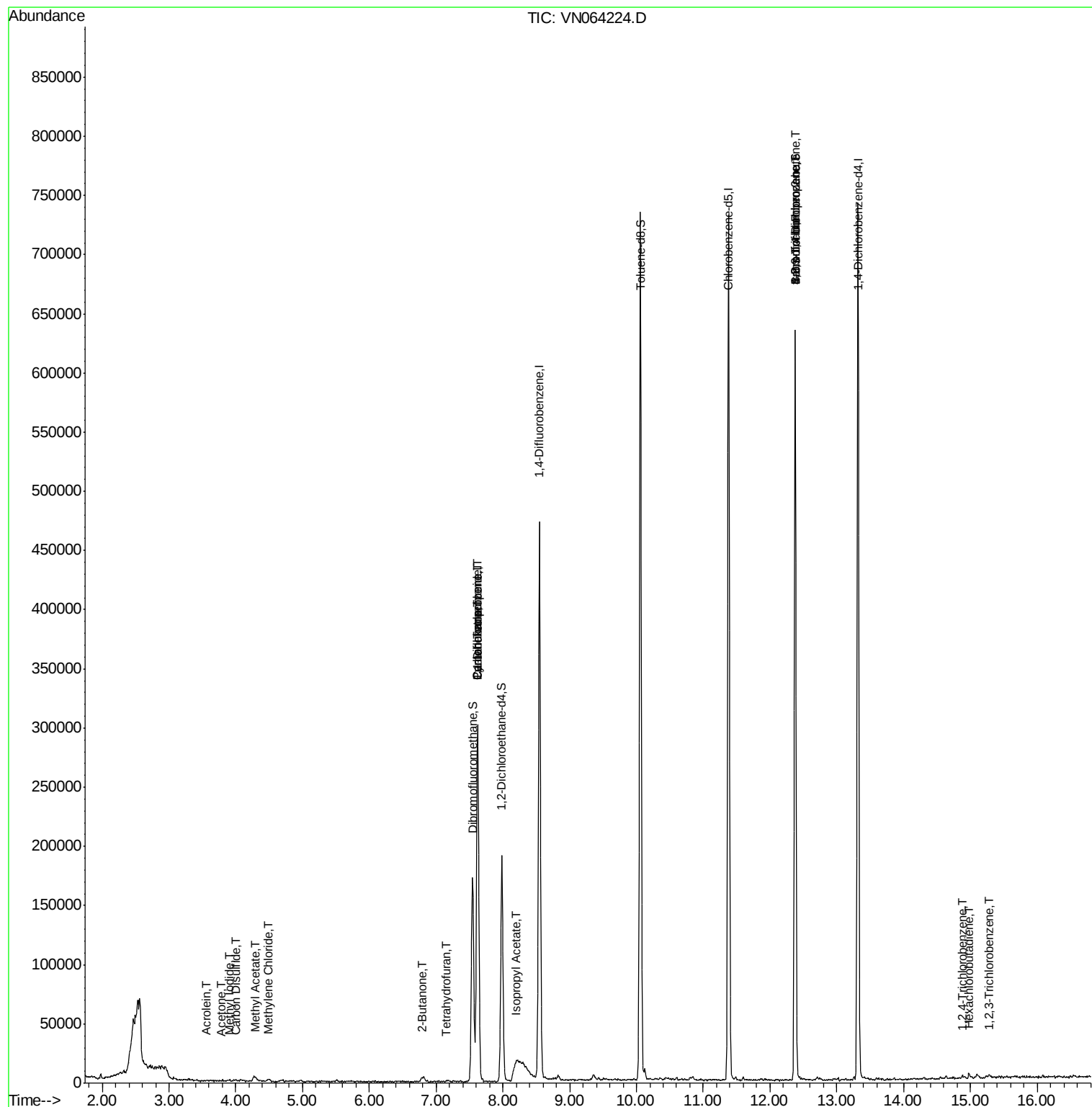
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.90	142	769	0.242	ug/l #	68
13) Acrolein	3.56	56	121	0.424	ug/l #	51
16) Acetone	3.78	43	211	0.217	ug/l #	49
17) Carbon Disulfide	4.00	76	1846	0.302	ug/l #	75
18) Methyl Acetate	4.29	43	8822	3.559	ug/l #	77
20) Methylene Chloride	4.49	84	1146	0.442	ug/l #	41
25) 2-Butanone	6.78	43	732	0.474	ug/l #	51
29) Tetrahydrofuran	7.16	42	430	0.465	ug/l #	66
31) Cyclohexane	7.62	56	5550	1.377	ug/l #	18
36) 1,1-Dichloropropene	7.62	75	20169	5.030	ug/l #	50
38) Carbon Tetrachloride	7.62	117	25064	5.494	ug/l #	15
43) Isopropyl Acetate	8.19	43	16233	2.393	ug/l #	57
71) Bromoform	12.37	173	566	0.228	ug/l #	27
76) 1,2,3-Trichloropropane	12.38	75	117653	29.894	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	117653	75.475	ug/l #	9
93) 1,2,4-Trichlorobenzene	14.89	180	991	0.301	ug/l #	77
94) Hexachlorobutadiene	14.99	225	986	0.556	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.28	180	864	0.265	ug/l	94

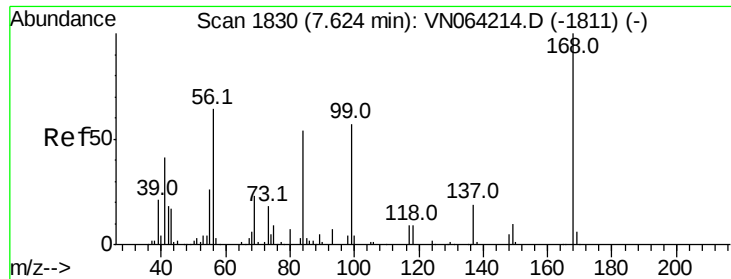
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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34A

Quant Time: Oct 22 01:49:20 2020
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Quant Title : SW846 8260
QLast Update : Wed Oct 21 12:48:40 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN064224.D

Acq: 21 Oct 2020 16:21

Instrument :

MSVOA_N

ClientSampled :

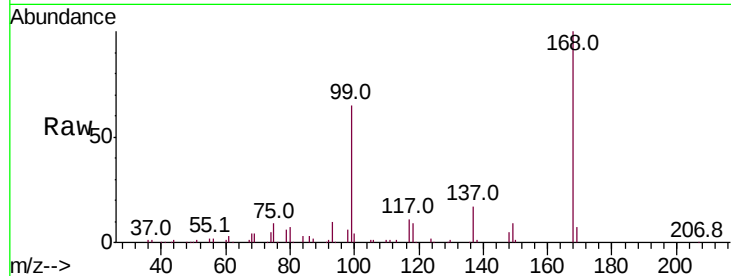
34A

Tot Ion:168 Resp: 228903

Ion Ratio Lower Upper

168 100

99 64.8 54.0 81.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.62

100000

80000

60000

40000

20000

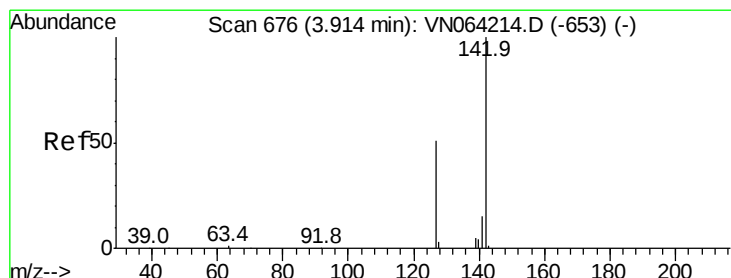
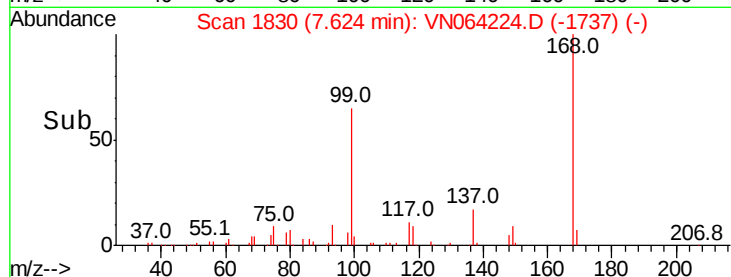
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Time-->

7.50

7.60

7.70



#10

Methyl Iodide

Concen: 0.242 ug/l

RT: 3.90 min Scan# 671

Delta R.T. -0.02 min

Lab File: VN064224.D

Acq: 21 Oct 2020 16:21

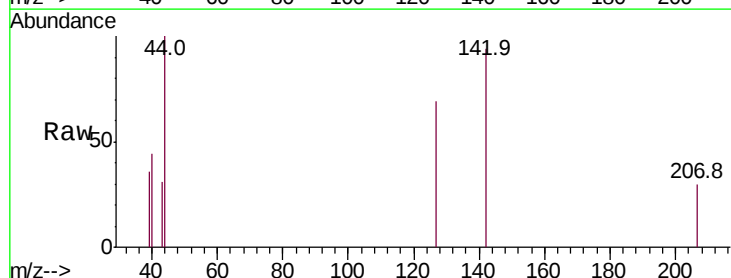
Tgt Ion:142 Resp: 769

Ion Ratio Lower Upper

142 100

127 74.9 41.0 61.6#

141 4.6 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.90

800

600

400

200

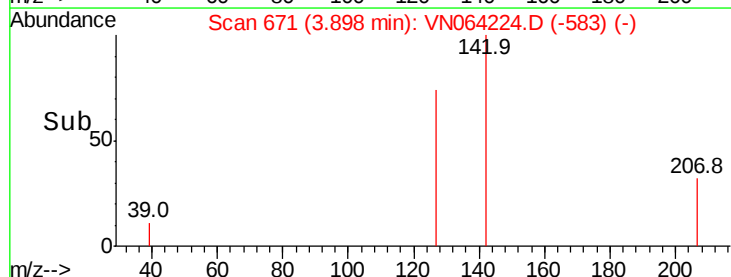
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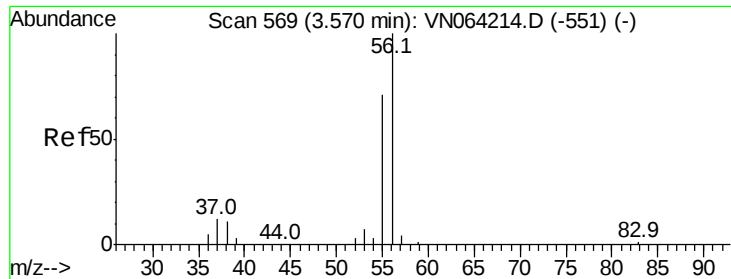
Time-->

3.88

3.90

3.92





#13

Acrolein

Concen: 0.424 ug/l

RT: 3.56 min Scan# 566

Delta R.T. -0.01 min

Lab File: VN064224.D

Acq: 21 Oct 2020 16:21

Instrument :

MSVOA_N

ClientSampled :

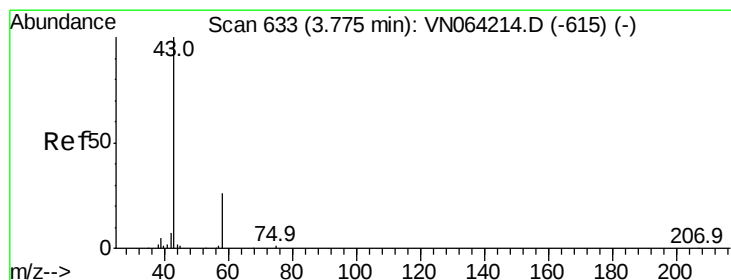
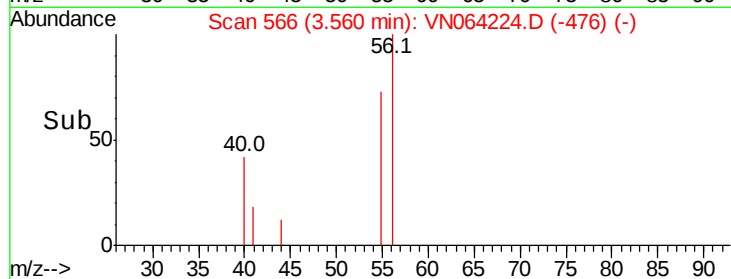
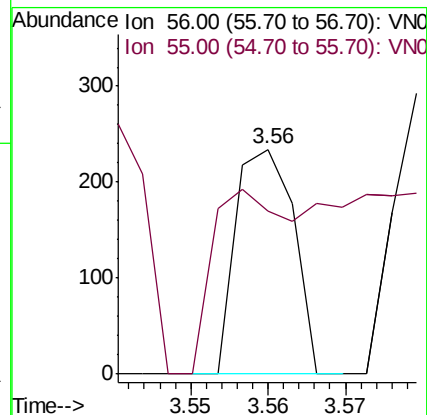
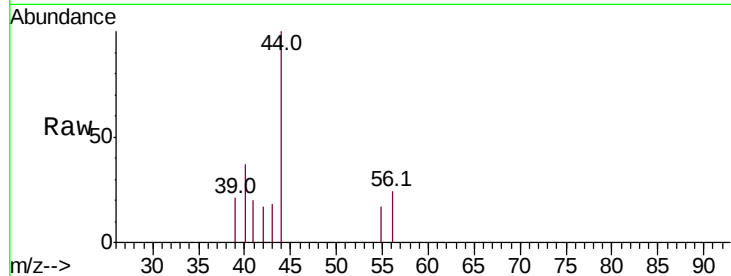
34A

Tot Ion: 56 Resp: 121

Ion Ratio Lower Upper

56 100

55 110.7 56.1 84.1#



#16

Acetone

Concen: 0.217 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN064224.D

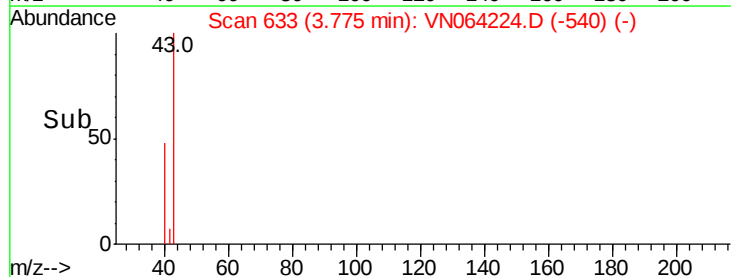
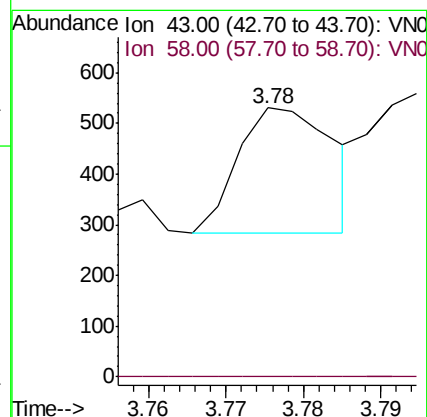
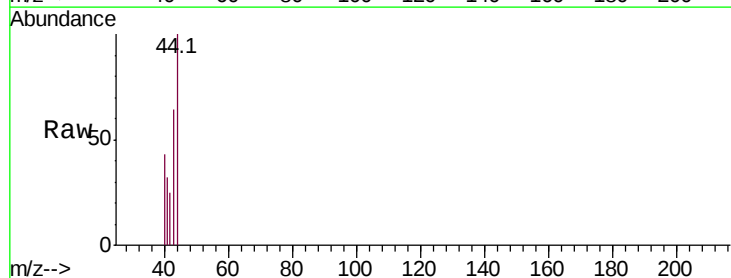
Acq: 21 Oct 2020 16:21

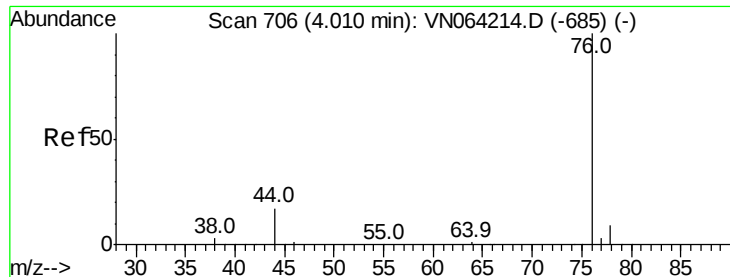
Tgt Ion: 43 Resp: 211

Ion Ratio Lower Upper

43 100

58 0.0 21.0 31.4#

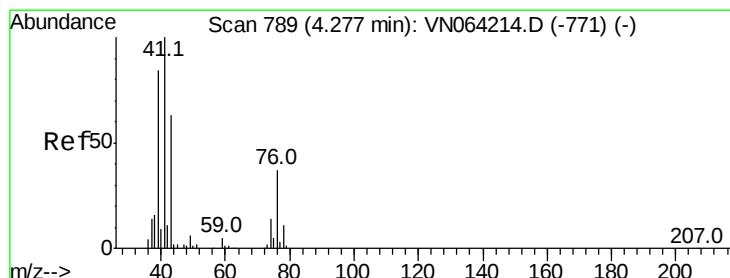
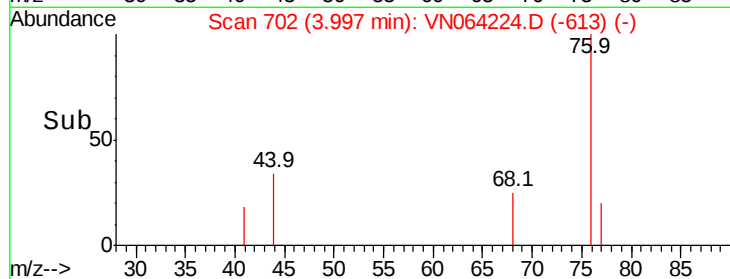
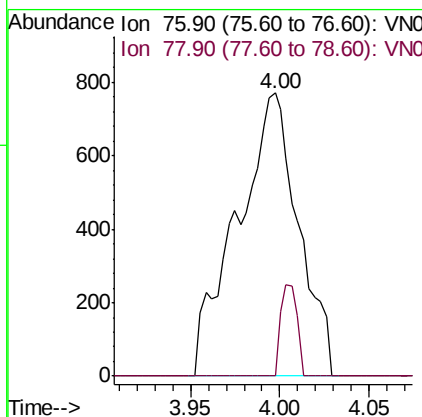
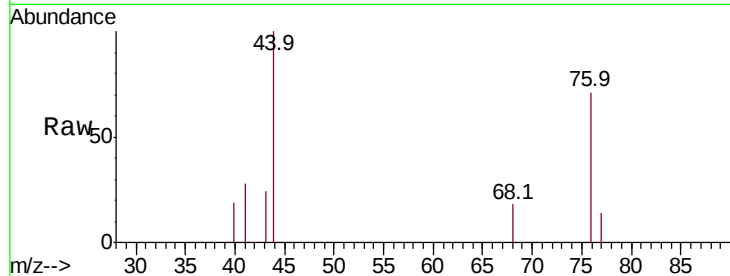




#17
Carbon Disulfide
Concen: 0.302 ug/l
RT: 4.00 min Scan# 702
Delta R.T. -0.01 min
Lab File: VN064224.D
Acq: 21 Oct 2020 16:21

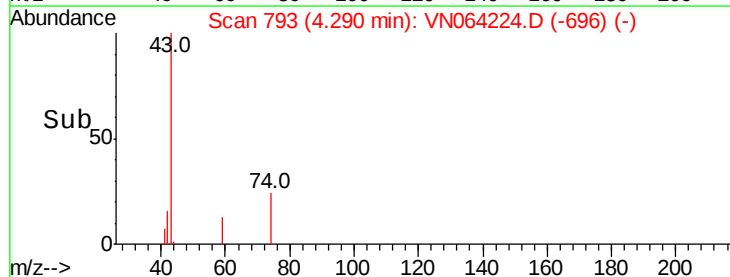
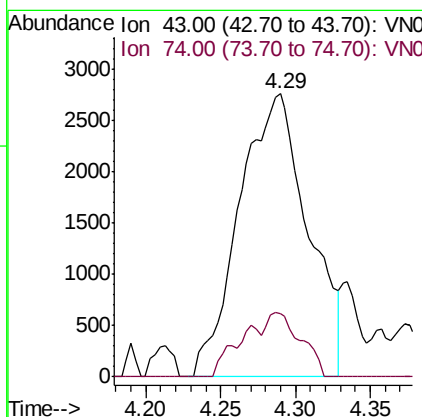
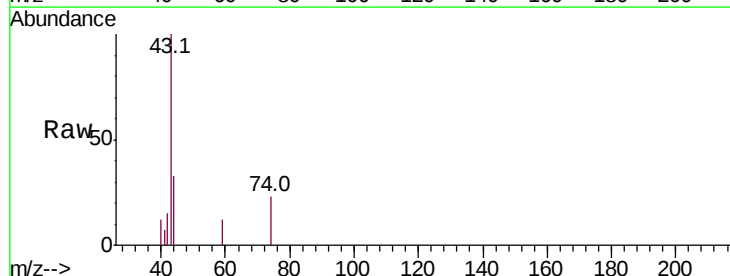
Instrument :
MSVOA_N
ClientSampled :
34A

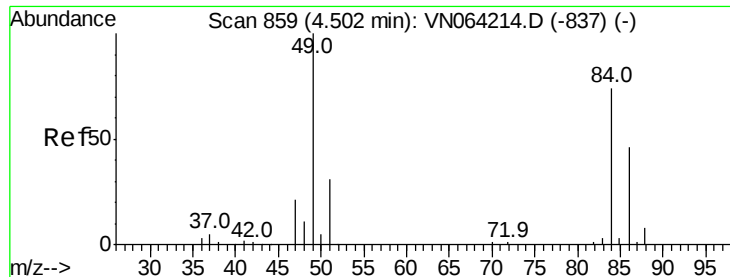
Tot Ion: 76 Resp: 1846
Ion Ratio Lower Upper
76 100
78 0.0 7.1 10.7#



#18
Methyl Acetate
Concen: 3.559 ug/l
RT: 4.29 min Scan# 793
Delta R.T. 0.01 min
Lab File: VN064224.D
Acq: 21 Oct 2020 16:21

Tgt Ion: 43 Resp: 8822
Ion Ratio Lower Upper
43 100
74 11.4 17.9 26.9#

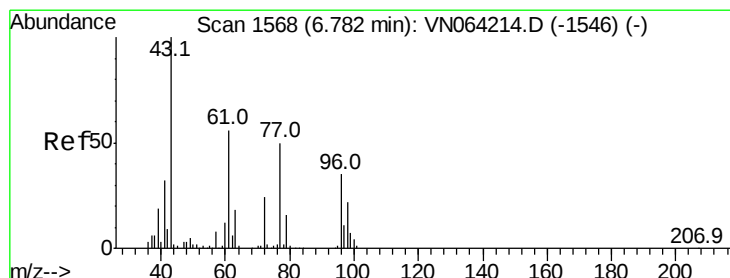
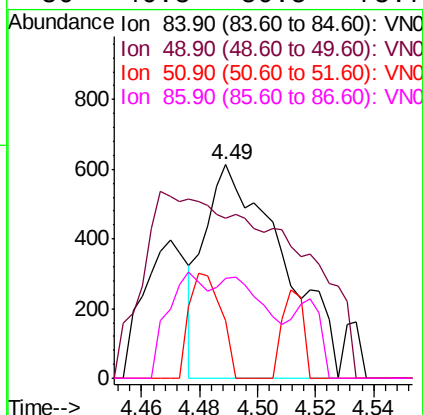
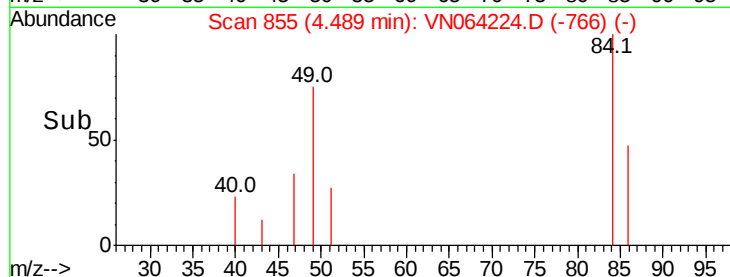
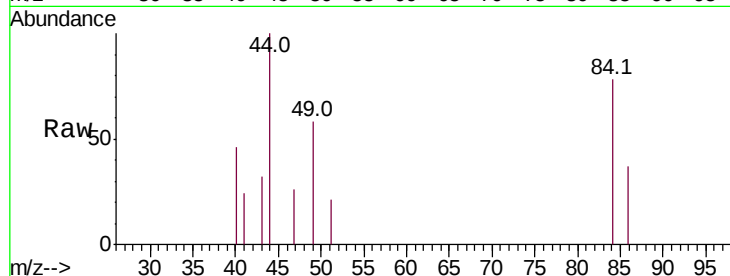




#20
Methvlene Chloride
Concen: 0.442 ug/l
RT: 4.49 min Scan# 855
Delta R.T. -0.01 min
Lab File: VN064224.D
Acq: 21 Oct 2020 16:21

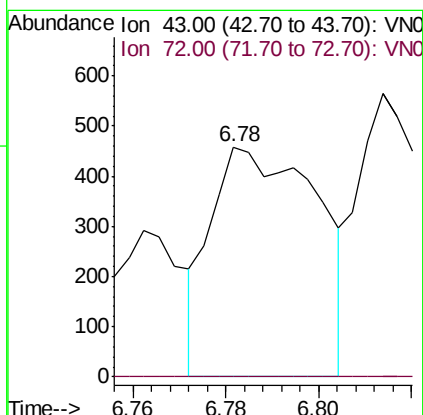
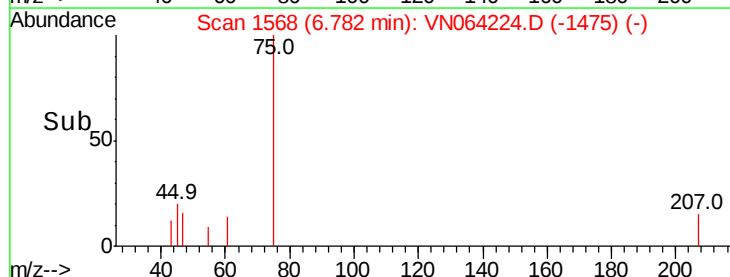
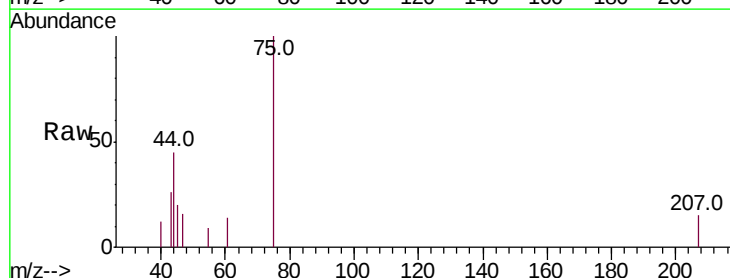
Instrument :
MSVOA_N
ClientSampled :
34A

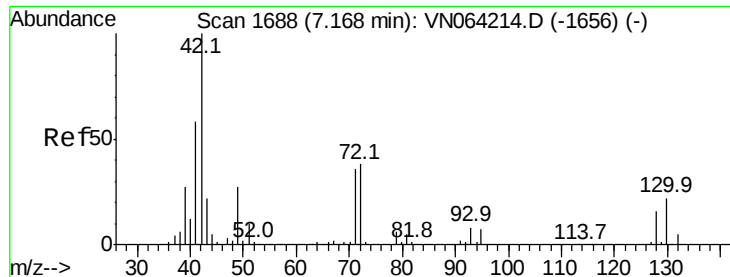
Tot Ion: 84 Resp: 1146
Ion Ratio Lower Upper
84 100
49 31.6 108.5 162.7#
51 26.8 33.8 50.8#
86 46.8 50.5 75.7#



#25
2-Butanone
Concen: 0.474 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VN064224.D
Acq: 21 Oct 2020 16:21

Tgt Ion: 43 Resp: 732
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.0#





#29

Tetrahydrofuran

Concen: 0.465 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. -0.00 min

Lab File: VN064224.D

Acq: 21 Oct 2020 16:21

Instrument :

MSVOA_N

ClientSampled :

34A

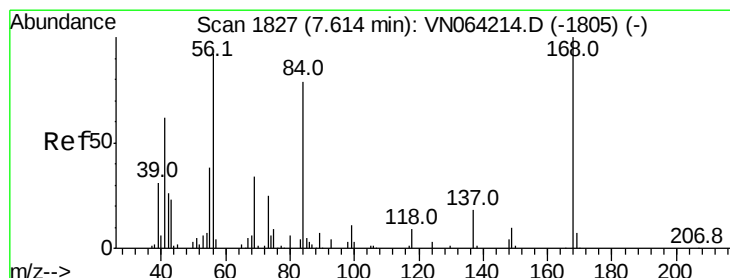
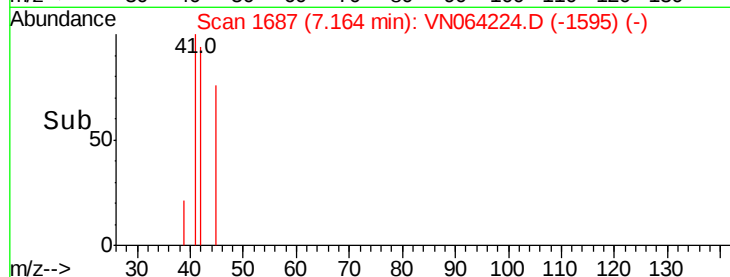
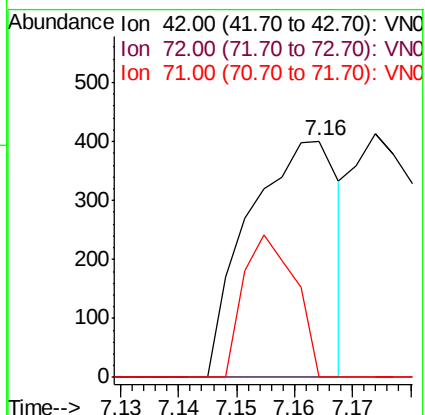
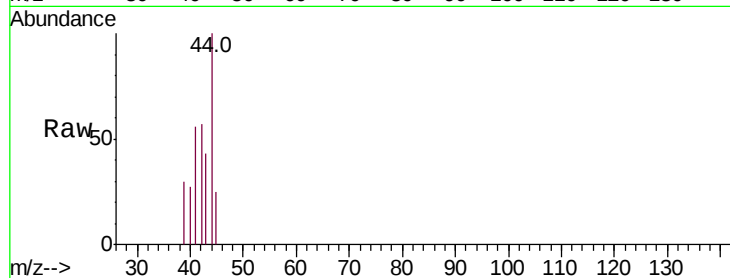
Tot Ion: 42 Resp: 430

Ion Ratio Lower Upper

42 100

72 0.0 30.8 46.2#

71 34.7 29.0 43.6



#31

Cyclohexane

Concen: 1.377 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN064224.D

Acq: 21 Oct 2020 16:21

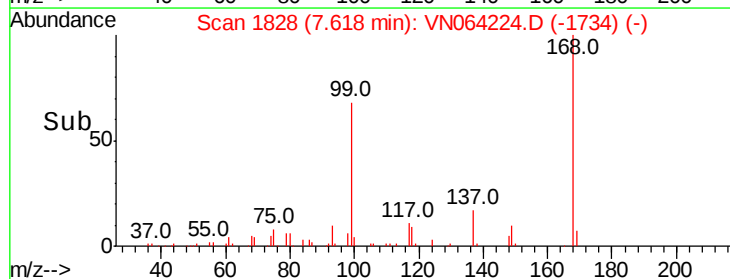
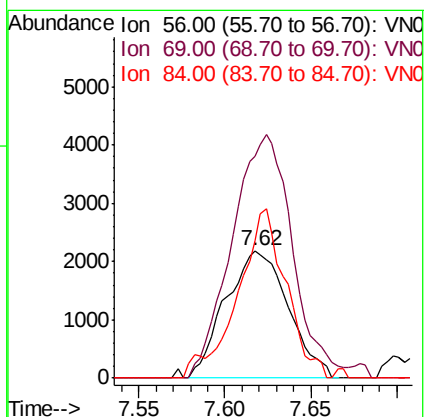
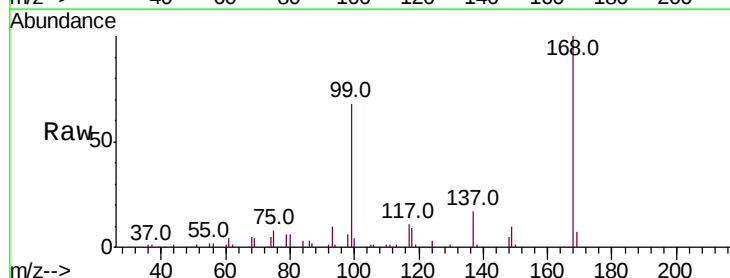
Tgt Ion: 56 Resp: 5550

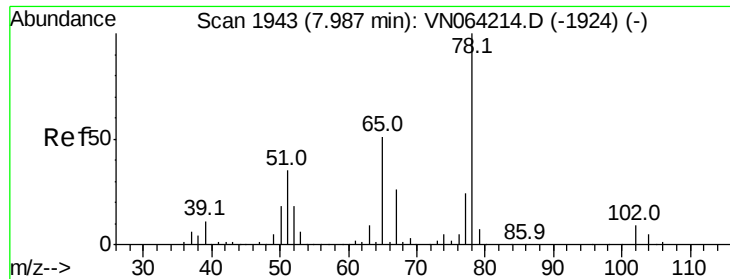
Ion Ratio Lower Upper

56 100

69 174.5 29.8 44.6#

84 100.7 68.1 102.1





#33

1,2-Dichloroethane-d4

Concen: 50.937 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN064224.D

Acq: 21 Oct 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

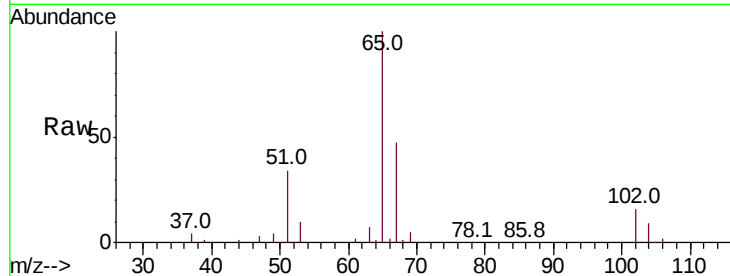
34A

Tot Ion: 65 Resp: 173153

Ion Ratio Lower Upper

65 100

67 49.3 0.0 100.2



Abundance Ion 64.90 (64.60 to 65.60): VN064224.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN064224.D (-1924) (-)

7.98

80000

60000

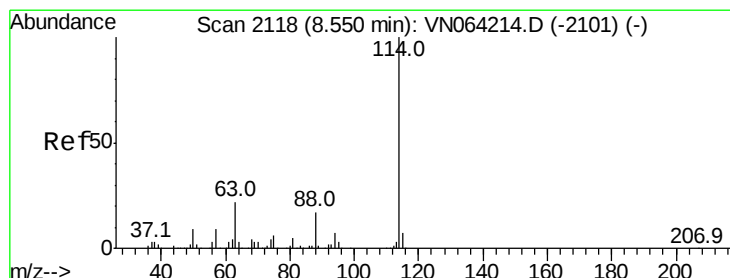
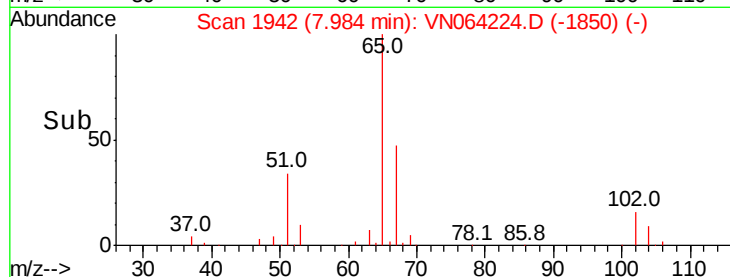
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2117

Delta R.T. -0.00 min

Lab File: VN064224.D

Acq: 21 Oct 2020 16:21

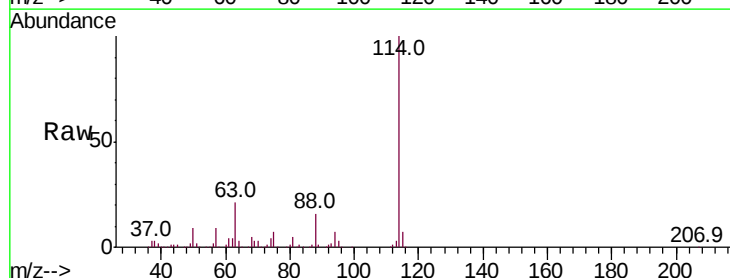
Tgt Ion: 114 Resp: 402180

Ion Ratio Lower Upper

114 100

63 20.9 0.0 44.0

88 16.3 0.0 34.2



Abundance Ion 113.90 (113.60 to 114.60): VN064224.D (-2101) (-)

Ion 63.00 (62.70 to 63.70): VN064224.D (-2101) (-)

Ion 87.90 (87.60 to 88.60): VN064224.D (-2101) (-)

8.55

250000

200000

150000

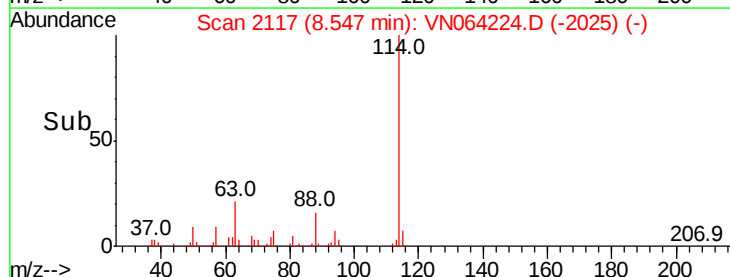
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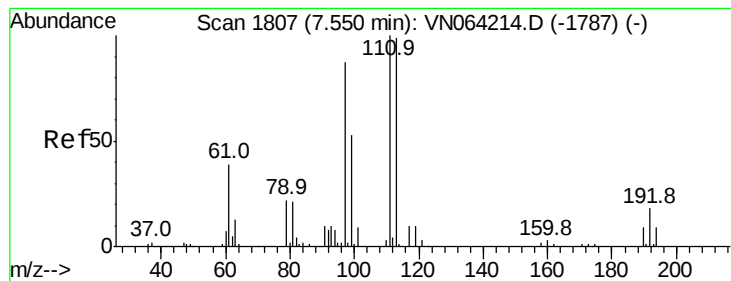
50000

0

8.50 8.55 8.60 8.70

Time-->





#35

Dibromofluoromethane

Concen: 49.657 ug/l

RT: 7.54 min Scan# 1805

Delta R.T. -0.01 min

Lab File: VN064224.D

Acq: 21 Oct 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

34A

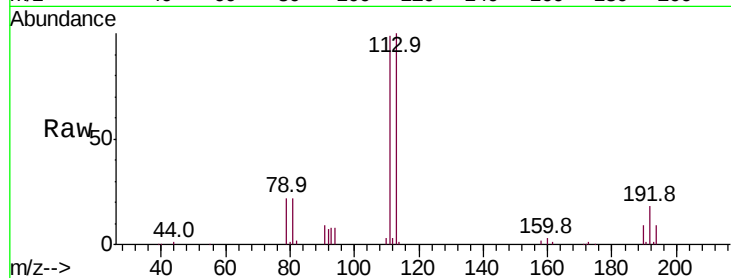
Tot Ion:113 Resp: 132778

Ion Ratio Lower Upper

113 100

111 99.9 84.2 126.2

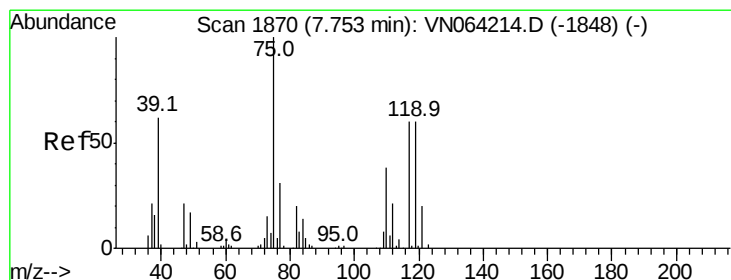
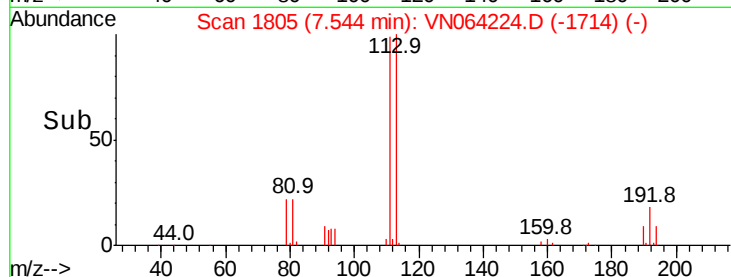
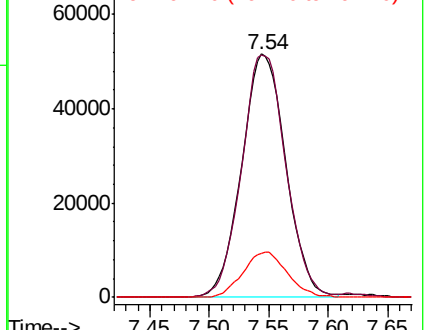
192 18.6 15.2 22.8



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: 5.030 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN064224.D

Acq: 21 Oct 2020 16:21

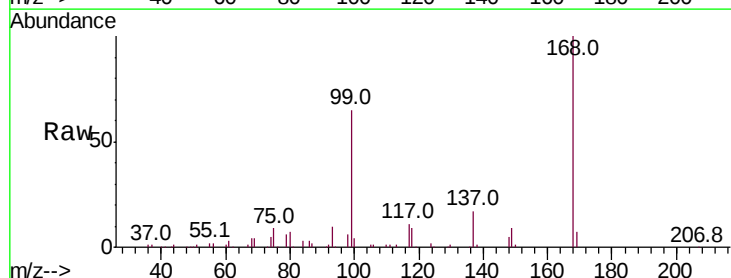
Tgt Ion: 75 Resp: 20169

Ion Ratio Lower Upper

75 100

110 9.3 17.2 51.6#

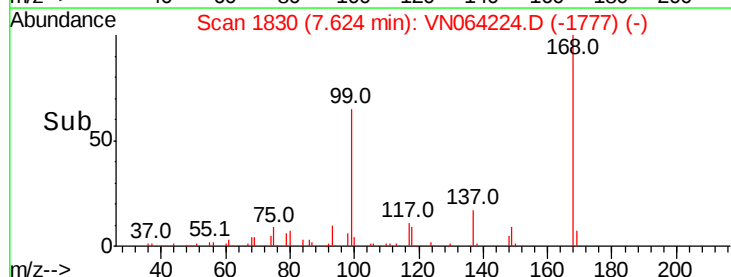
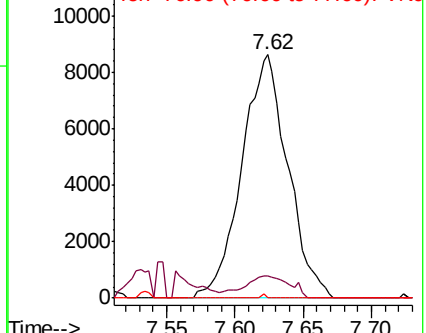
77 0.2 24.9 37.3#

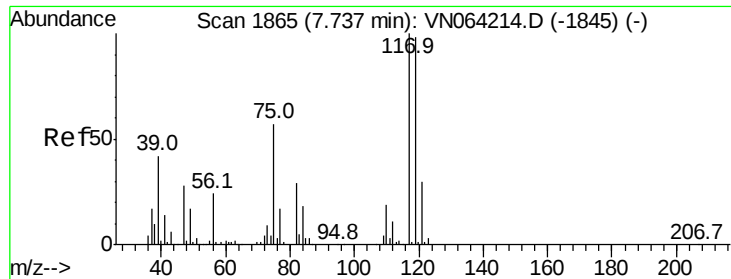


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#38

Carbon Tetrachloride

Concen: 5.494 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.12 min

Lab File: VN064224.D

Acq: 21 Oct 2020 16:21

Instrument :

MSVOA_N

ClientSampled :

34A

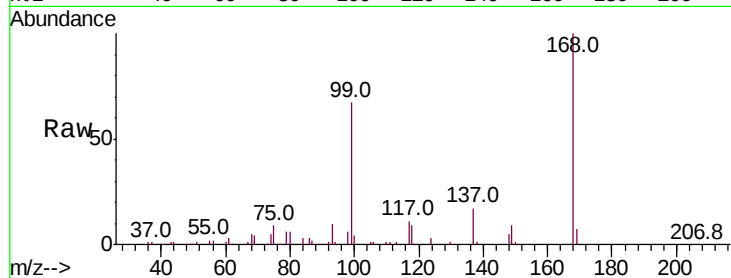
Tot Ion:117 Resp: 25064

Ion Ratio Lower Upper

117 100

119 4.6 78.5 117.7#

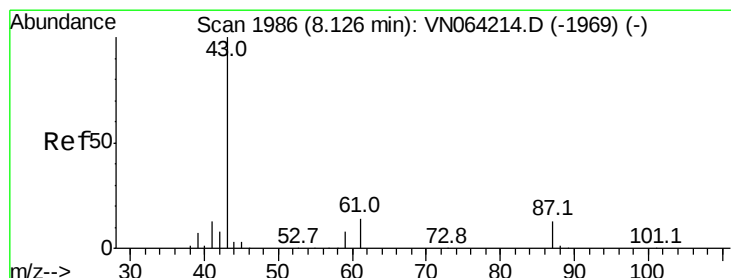
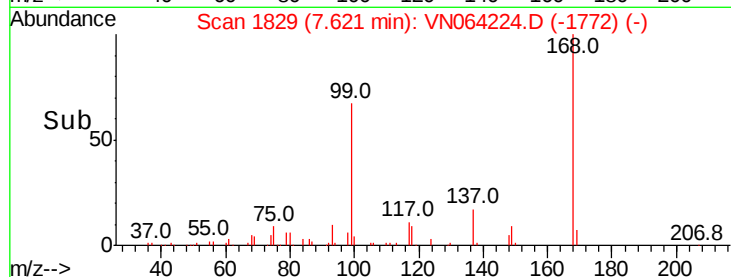
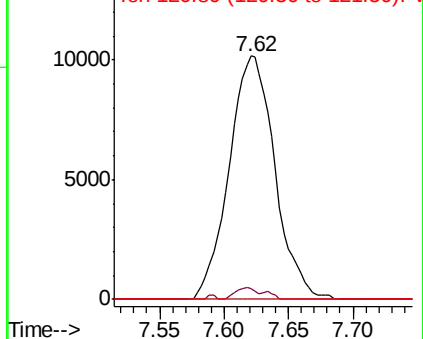
121 0.0 24.3 36.5#



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



#43

Isopropyl Acetate

Concen: 2.393 ug/l

RT: 8.19 min Scan# 2007

Delta R.T. 0.07 min

Lab File: VN064224.D

Acq: 21 Oct 2020 16:21

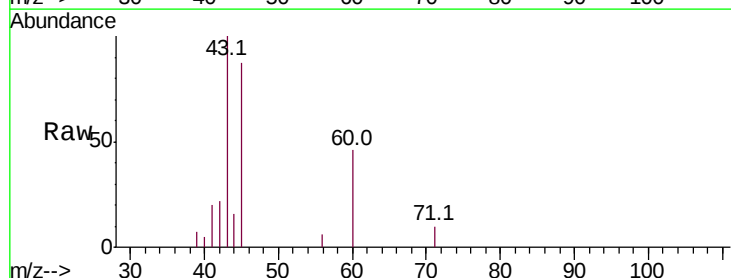
Tgt Ion: 43 Resp: 16233

Ion Ratio Lower Upper

43 100

61 0.0 19.6 29.4#

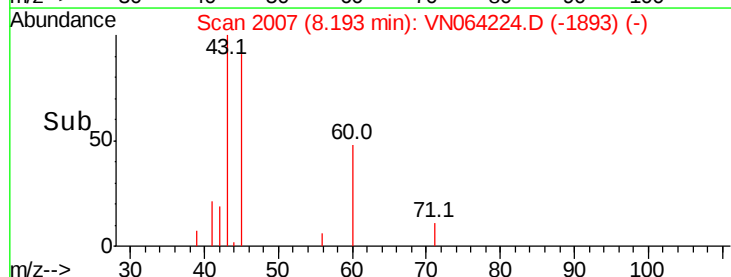
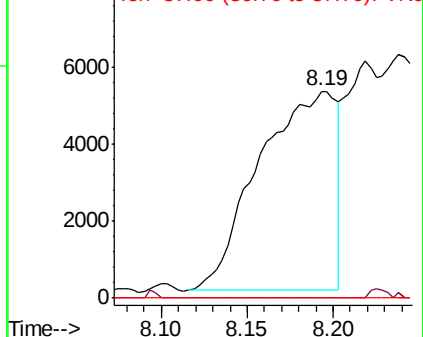
87 0.0 9.8 14.6#

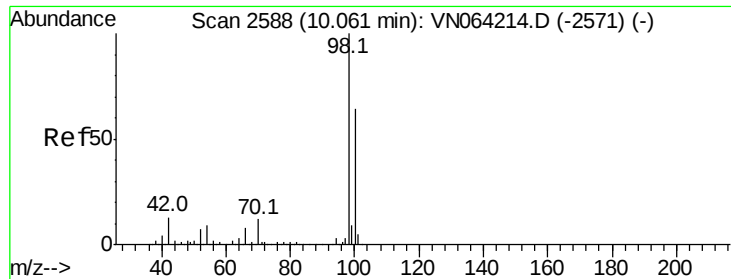


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#50

Toluene-d8

Concen: 51.238 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN064224.D

Acq: 21 Oct 2020 16:21

Instrument :

MSVOA_N

ClientSampleId :

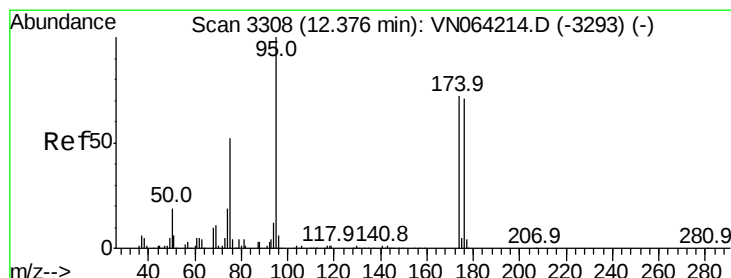
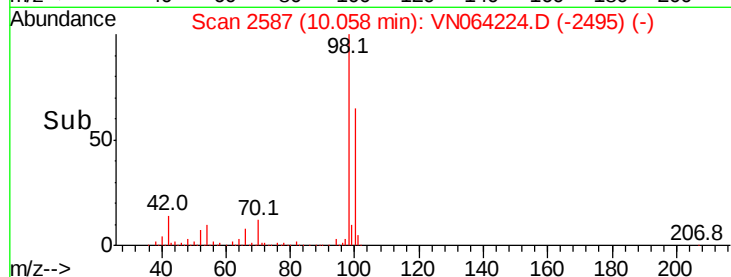
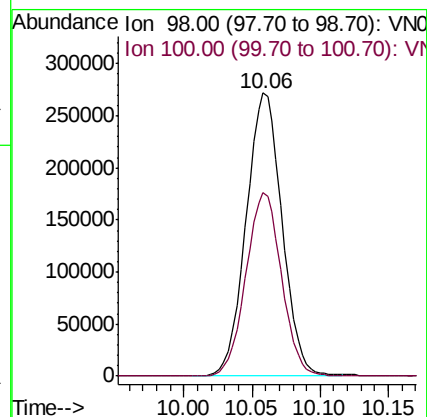
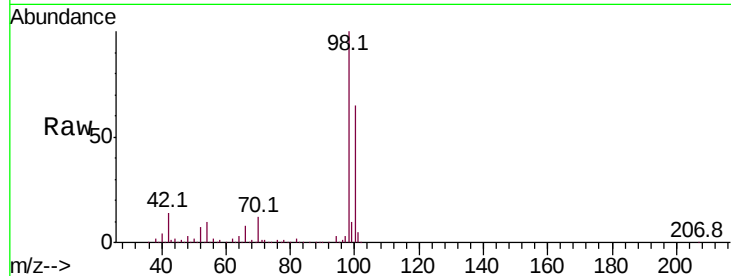
34A

Tot Ion: 98 Resp: 496985

Ion Ratio Lower Upper

98 100

100 64.3 50.8 76.2



#62

4-Bromofluorobenzene

Concen: 55.681 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN064224.D

Acq: 21 Oct 2020 16:21

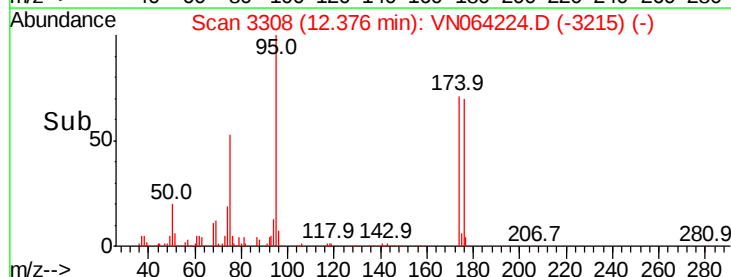
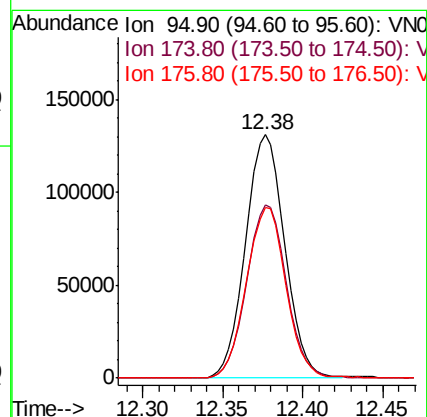
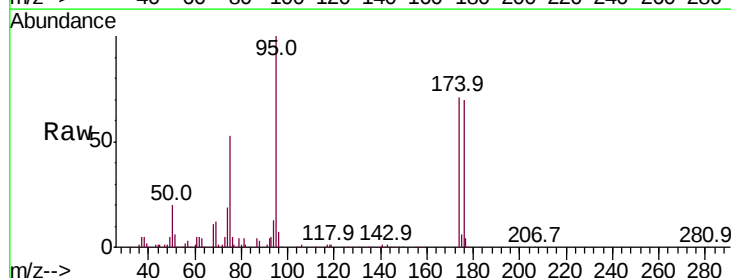
Tgt Ion: 95 Resp: 218943

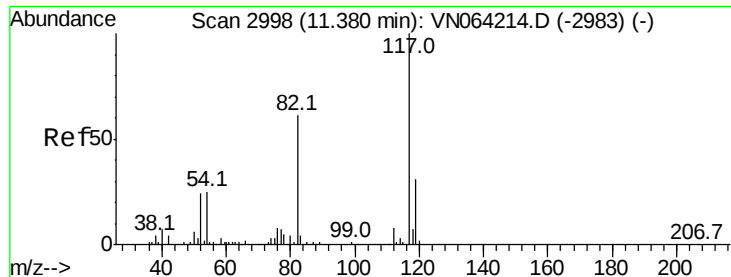
Ion Ratio Lower Upper

95 100

174 72.3 0.0 144.4

176 71.0 0.0 139.2

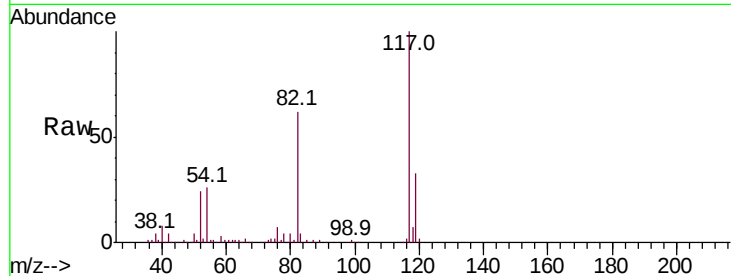




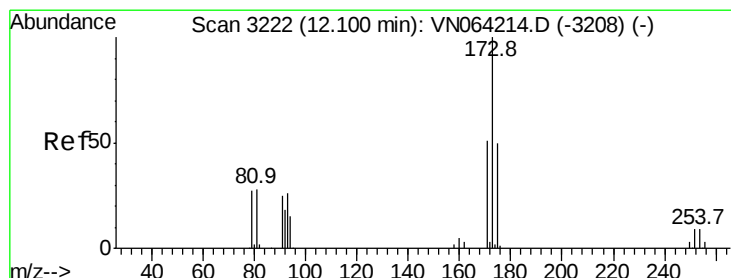
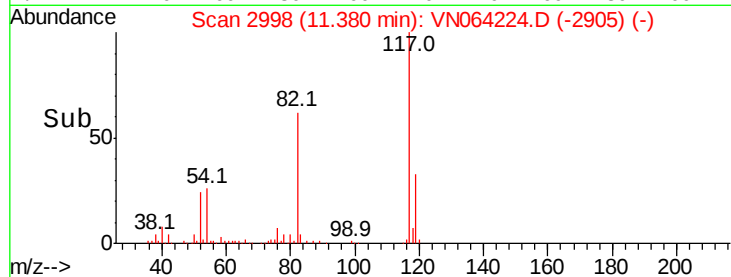
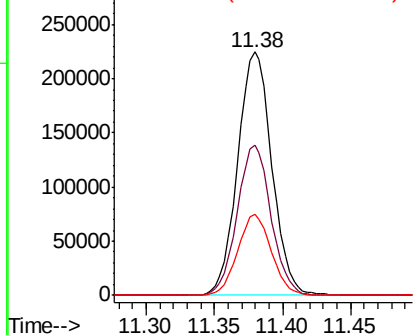
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN064224.D
Acq: 21 Oct 2020 16:21

Instrument :
MSVOA_N
ClientSampleId :
34A

Tot Ion:117 Resp: 391054
Ion Ratio Lower Upper
117 100
82 61.9 48.8 73.2
119 33.1 24.7 37.1

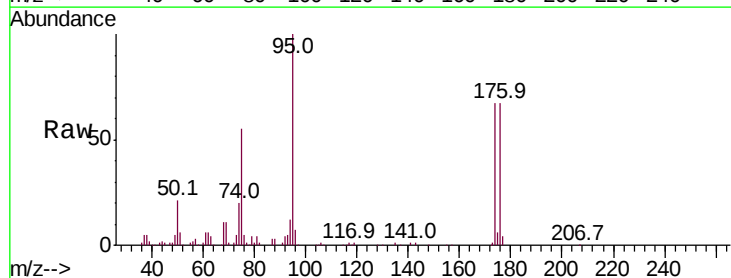


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

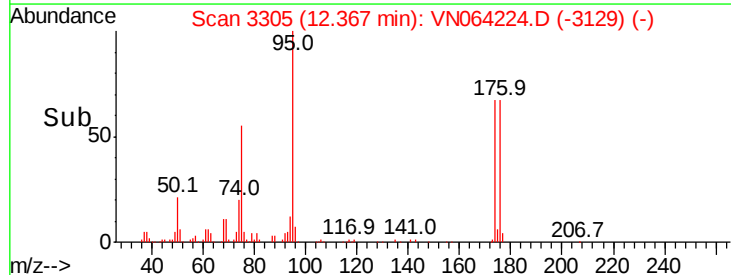
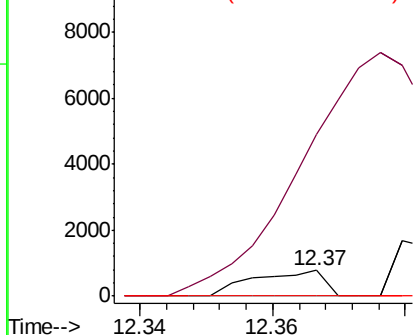


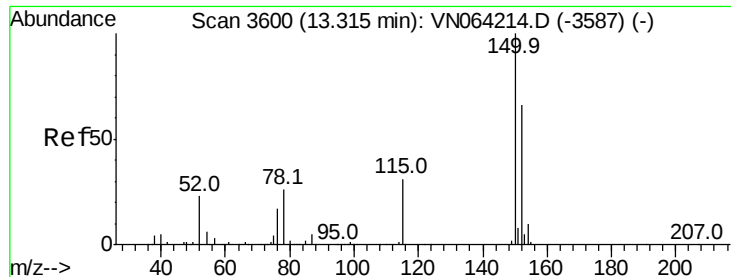
#71
Bromoform
Concen: 0.228 ug/l
RT: 12.37 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN064224.D
Acq: 21 Oct 2020 16:21

Tgt Ion:173 Resp: 566
Ion Ratio Lower Upper
173 100
175 0.0 25.1 75.3#
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# 3601

Delta R.T. 0.00 min

Lab File: VN064224.D

Acq: 21 Oct 2020 16:21

Instrument :

MSVOA_N

ClientSampled :

34A

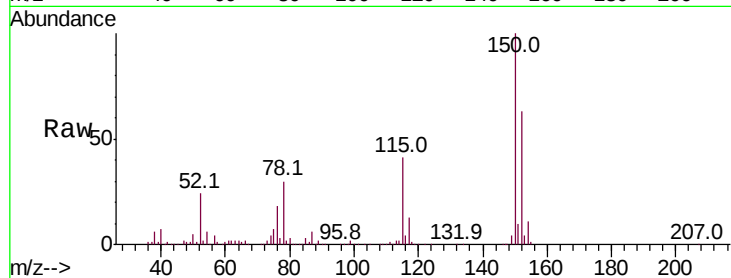
Tot Ion:152 Resp: 186685

Ion Ratio Lower Upper

152 100

115 65.7 32.0 96.2

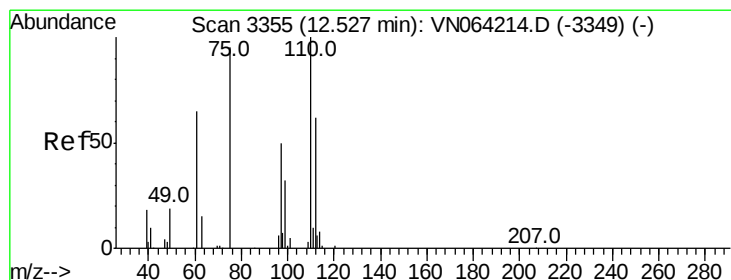
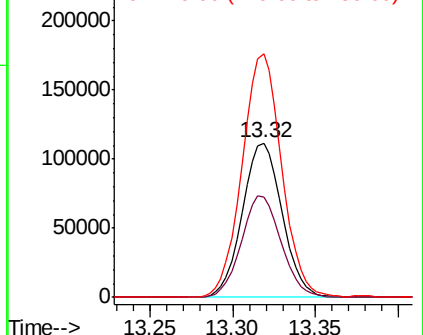
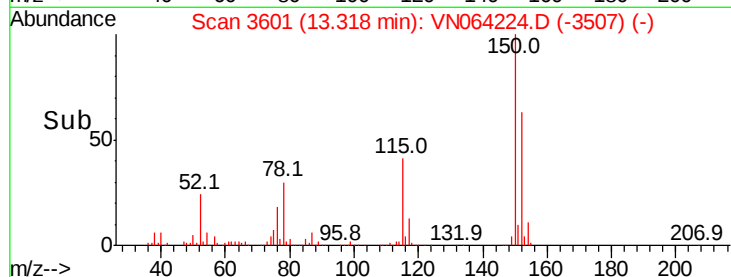
150 156.3 0.0 356.6



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: 29.894 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064224.D

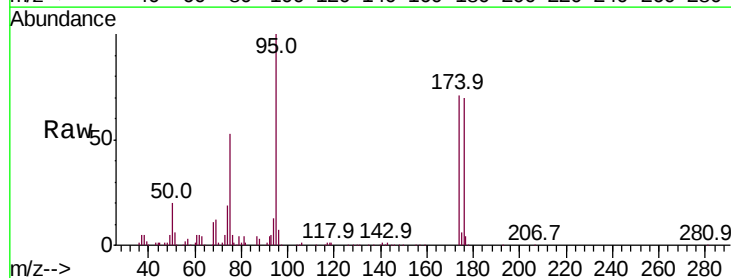
Acq: 21 Oct 2020 16:21

Tgt Ion: 75 Resp: 117653

Ion Ratio Lower Upper

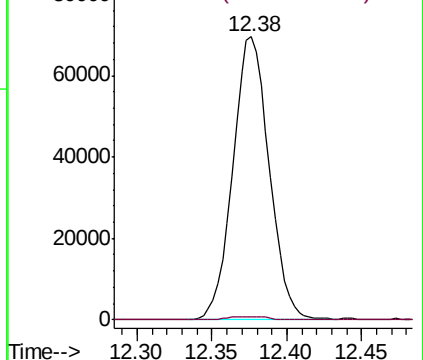
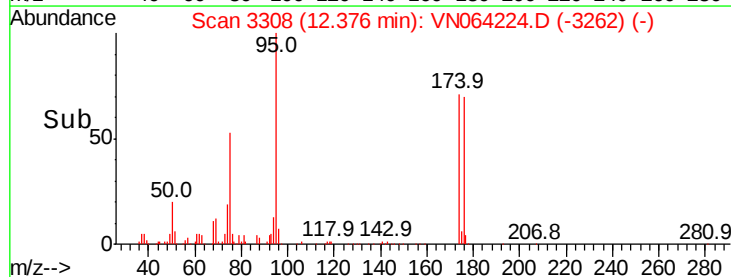
75 100

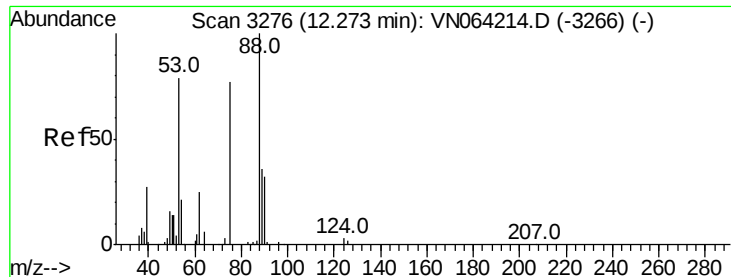
77 0.6 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

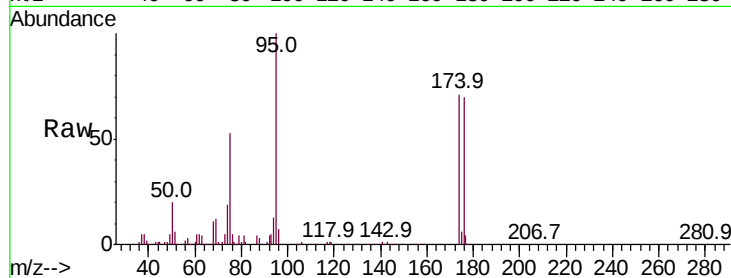




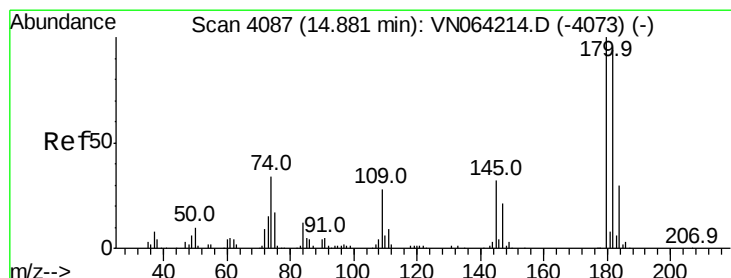
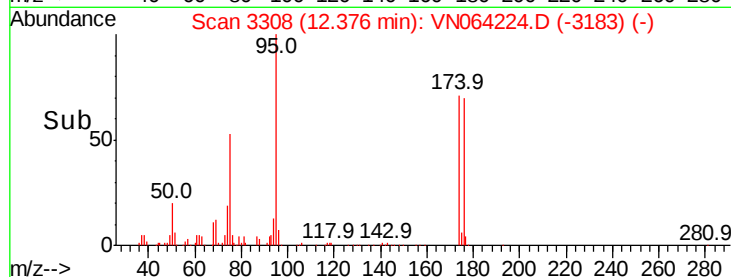
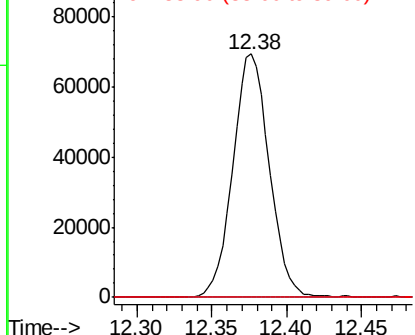
#81
trans-1,4-Dichloro-2-butene
Concen: 75.475 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN064224.D
Acq: 21 Oct 2020 16:21

Instrument :
MSVOA_N
ClientSampled :
34A

Tot Ion: 75 Resp: 117653
Ion Ratio Lower Upper
75 100
53 0.0 81.0 121.4#
89 0.1 38.7 58.1#

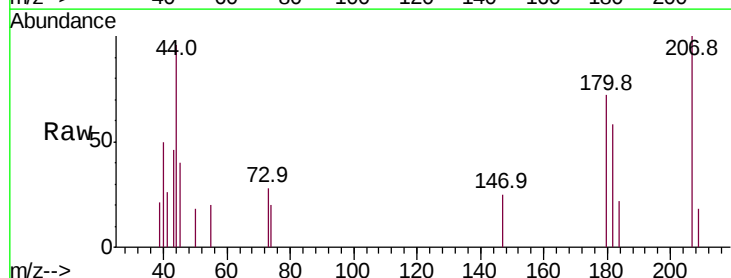


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

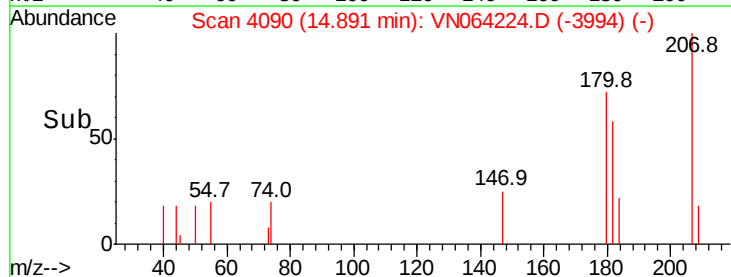
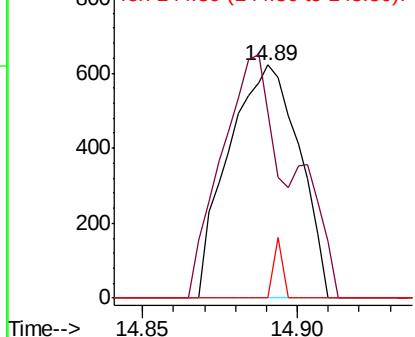


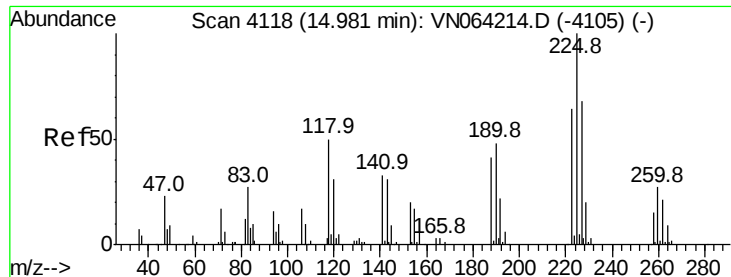
#93
1,2,4-Trichlorobenzene
Concen: 0.301 ug/l
RT: 14.89 min Scan# 4090
Delta R.T. 0.01 min
Lab File: VN064224.D
Acq: 21 Oct 2020 16:21

Tgt Ion:180 Resp: 991
Ion Ratio Lower Upper
180 100
182 80.7 46.9 140.7
145 3.1 16.1 48.3#



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V





#94

Hexachlorobutadiene

Concen: 0.556 ug/l

RT: 14.99 min Scan# 4120

Delta R.T. 0.01 min

Lab File: VN064224.D

Acq: 21 Oct 2020 16:21

Instrument :

MSVOA_N

Client Sampled :

34A

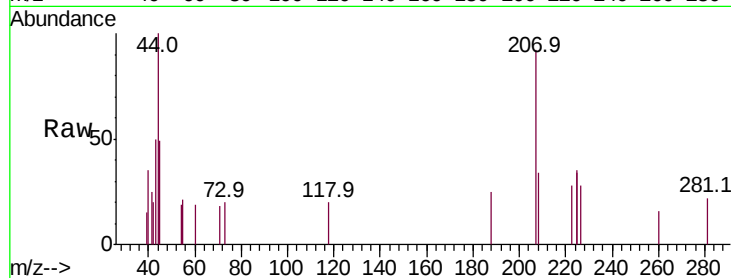
Tot Ion:225 Resp: 986

Ion Ratio Lower Upper

225 100

223 55.9 31.5 94.5

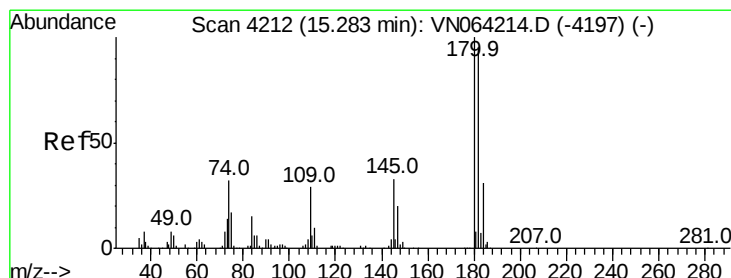
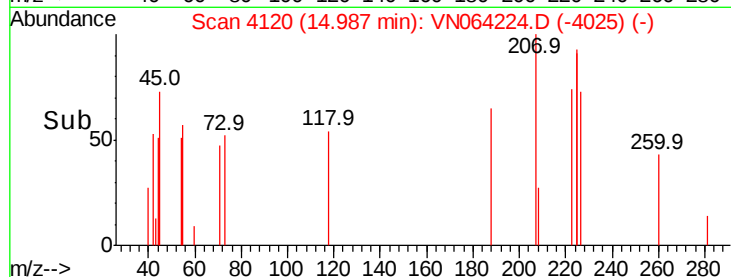
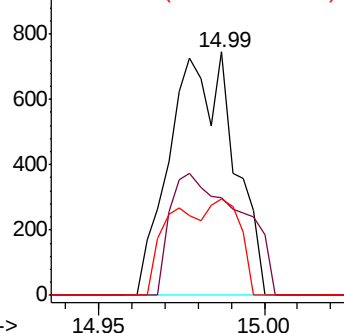
227 22.8 32.1 96.5#



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#96

1,2,3-Trichlorobenzene

Concen: 0.265 ug/l

RT: 15.28 min Scan# 4212

Delta R.T. -0.00 min

Lab File: VN064224.D

Acq: 21 Oct 2020 16:21

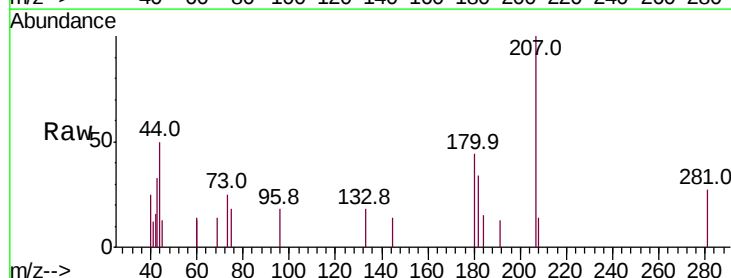
Tgt Ion:180 Resp: 864

Ion Ratio Lower Upper

180 100

182 92.2 48.0 144.2

145 27.1 17.1 51.3



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

