

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101620\
 Data File : VN064164.D
 Acq On : 16 Oct 2020 15:12
 Operator : JC/MD
 Sample : VN1016WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBL01

Quant Time: Oct 17 01:29:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 15 01:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.62	168	311438	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	600557	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	623213	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	222249	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	270758	61.04	ug/l	0.00
Spiked Amount			Recovery	=	122.08%	
35) Dibromofluoromethane	7.55	113	212763	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
50) Toluene-d8	10.06	98	795342	50.71	ug/l	0.00
Spiked Amount			Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.38	95	265633	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	

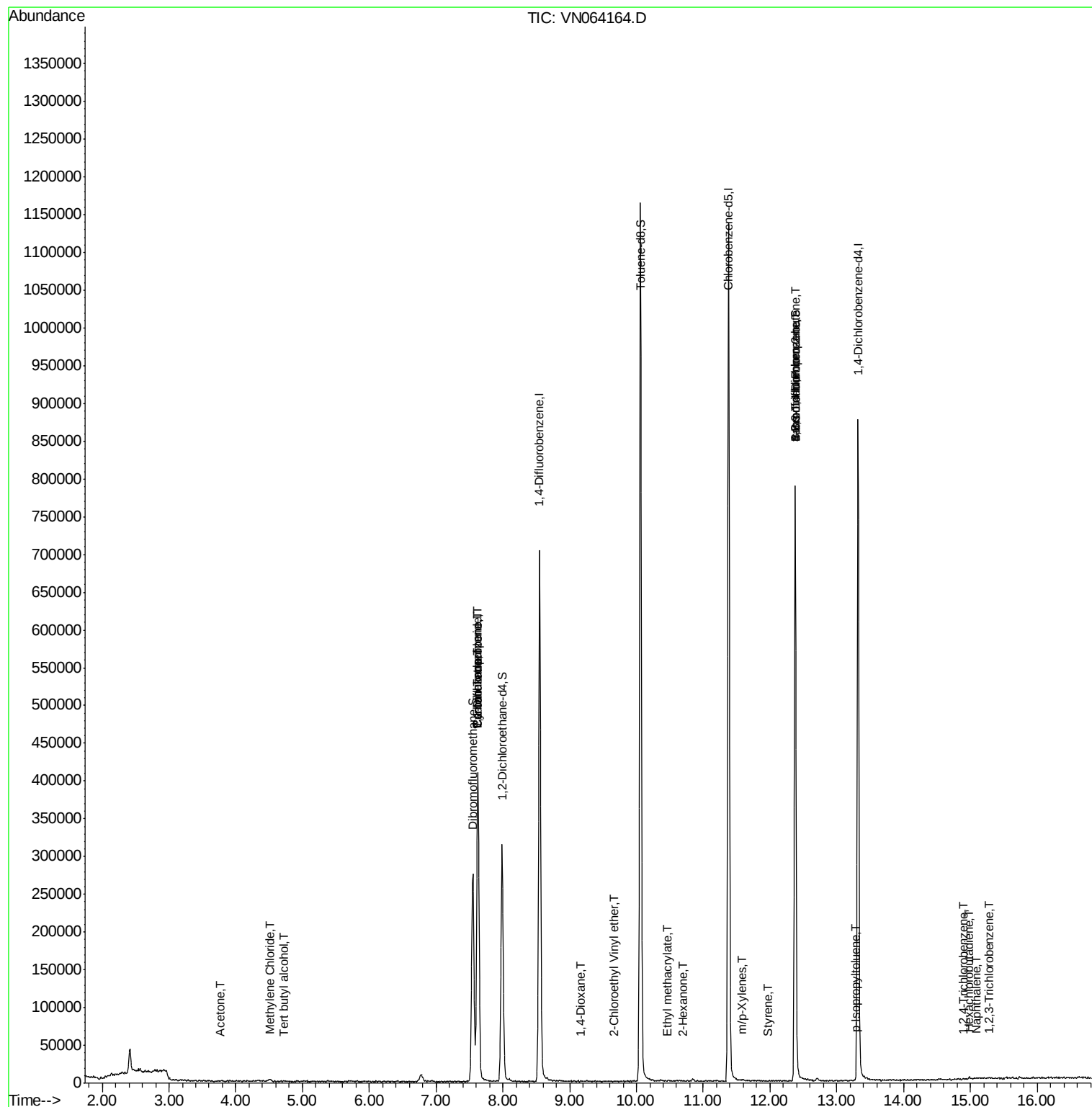
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	100	0.204	ug/l #	71
16) Acetone	3.77	43	548	0.417	ug/l #	43
20) Methylene Chloride	4.51	84	1504	0.369	ug/l #	69
31) Cyclohexane	7.62	56	8672	1.769	ug/l #	42
36) 1,1-Dichloropropene	7.62	75	28153	4.864	ug/l #	49
38) Carbon Tetrachloride	7.63	117	32447	5.213	ug/l #	19
49) 1,4-Dioxane	9.17	88	97	1.622	ug/l #	1
56) Ethyl methacrylate	10.45	69	33	2.304	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.67	63	31	12.228	ug/l #	48
59) 2-Hexanone	10.70	43	199	6.887	ug/l	66
68) m/p-Xylenes	11.59	106	257	2.220	ug/l #	56
70) Styrene	11.96	104	38	2.039	ug/l #	26
71) Bromoform	12.38	173	923	2.444	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	142407	27.312	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	142407	83.443	ug/l #	12
86) p-Isopropyltoluene	13.27	119	172	0.675	ug/l #	50
93) 1,2,4-Trichlorobenzene	14.90	180	230	3.241	ug/l #	76
94) Hexachlorobutadiene	14.99	225	564	0.327	ug/l #	48
95) Naphthalene	15.10	128	109	3.807	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.29	180	150	2.850	ug/l #	62

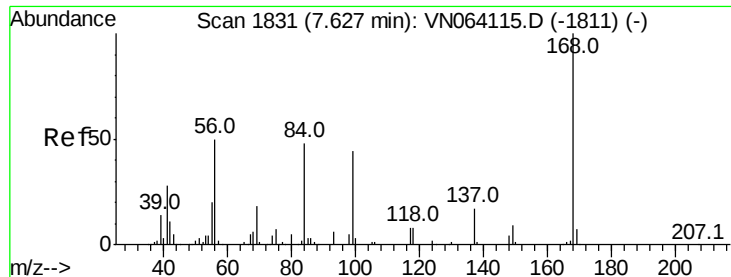
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN064164.D
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Quant Time: Oct 17 01:29:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101420W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 15 01:16:44 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: VN064164.D

Acq: 16 Oct 2020 15:12

Instrument :

MSVOA_N

ClientSampled :

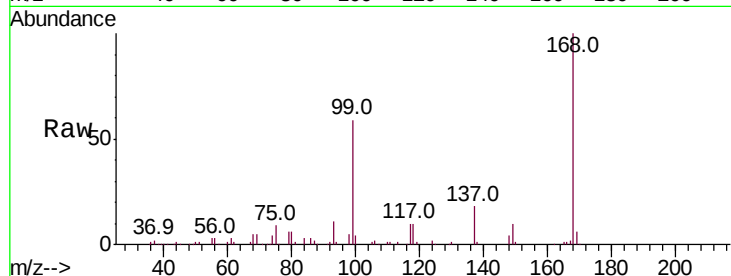
VN1016WBL01

Tot Ion:168 Resp: 311438

Ion Ratio Lower Upper

168 100

99 59.3 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

150000

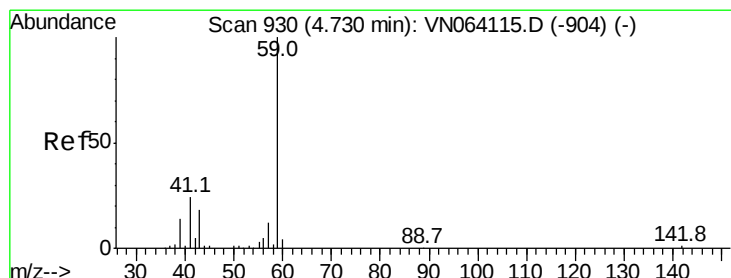
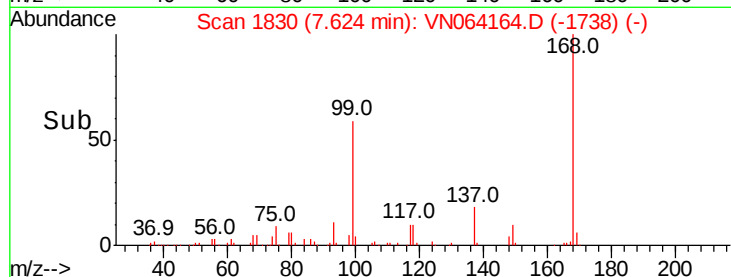
7.62

100000

50000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.204 ug/l

RT: 4.72 min Scan# 926

Delta R.T. -0.01 min

Lab File: VN064164.D

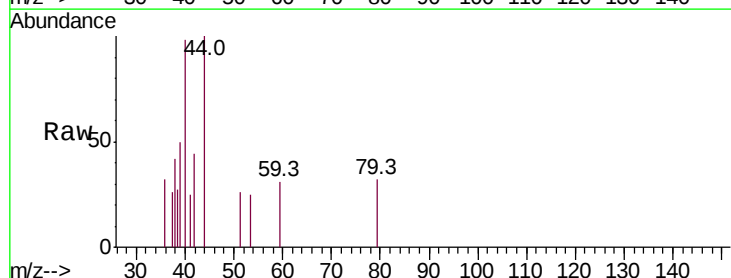
Acq: 16 Oct 2020 15:12

Tgt Ion: 59 Resp: 100

Ion Ratio Lower Upper

59 100

57 0.0 8.9 13.3#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

200

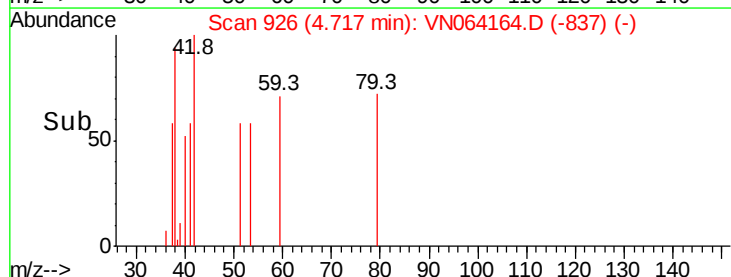
150

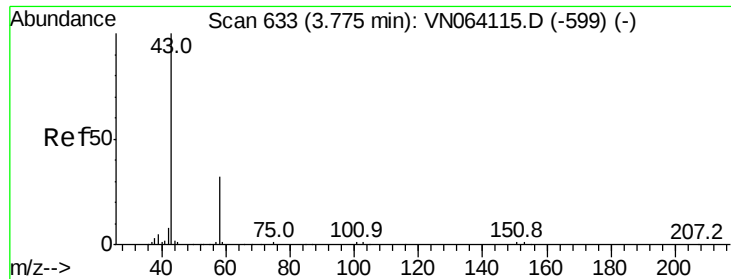
100

50

0

Time--> 4.70 4.71 4.72 4.73





#16

Acetone

Concen: 0.417 ug/l

RT: 3.77 min Scan# 631

Delta R.T. -0.01 min

Lab File: VN064164.D

Acq: 16 Oct 2020 15:12

Instrument :

MSVOA_N

ClientSampleId :

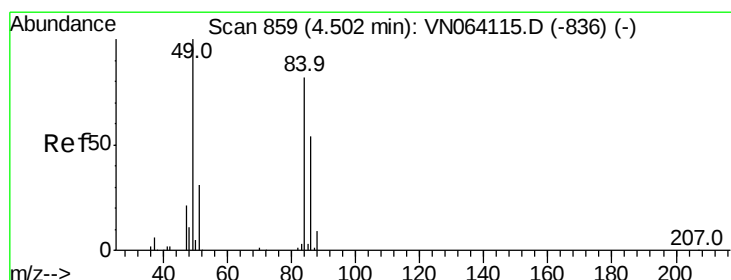
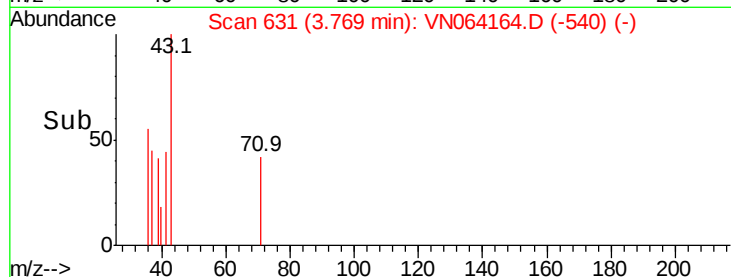
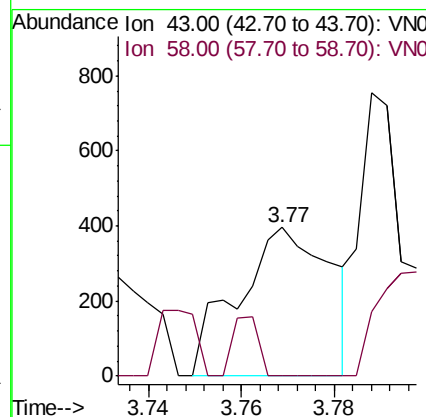
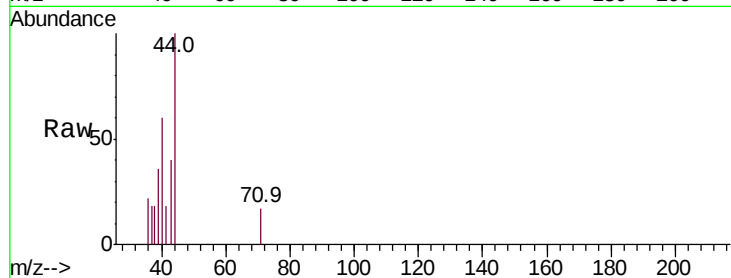
VN1016WBL01

Tot Ion: 43 Resp: 548

Ion Ratio Lower Upper

43 100

58 0.0 25.2 37.8#



#20

Methylene Chloride

Concen: 0.369 ug/l

RT: 4.51 min Scan# 861

Delta R.T. 0.01 min

Lab File: VN064164.D

Acq: 16 Oct 2020 15:12

Tgt Ion: 84 Resp: 1504

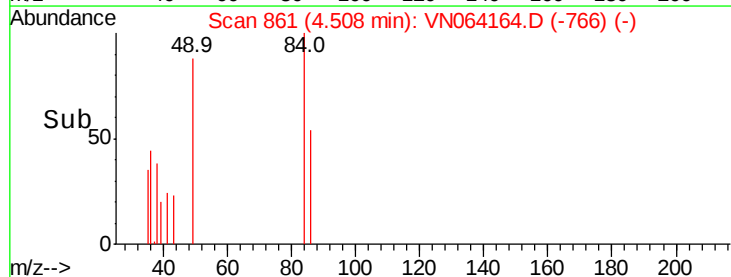
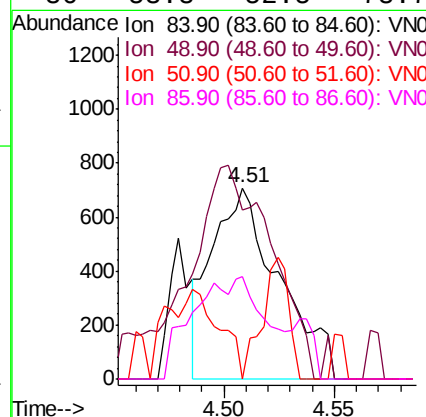
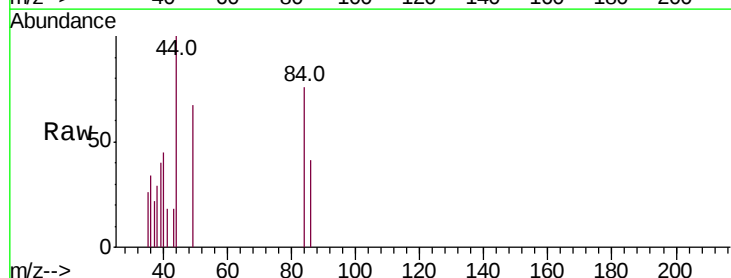
Ion Ratio Lower Upper

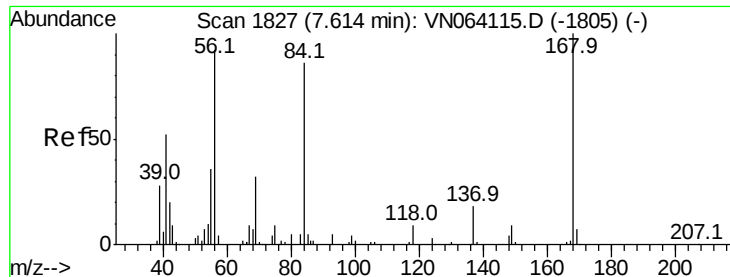
84 100

49 88.4 97.4 146.0#

51 0.0 29.7 44.5#

86 53.8 52.5 78.7

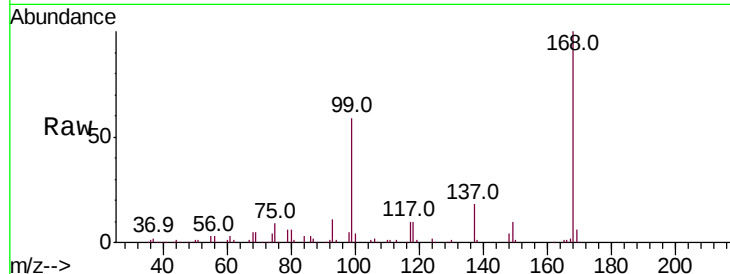




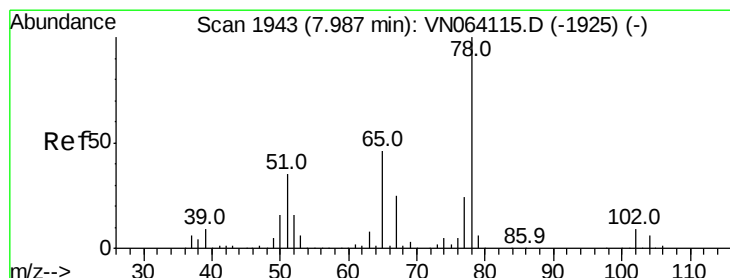
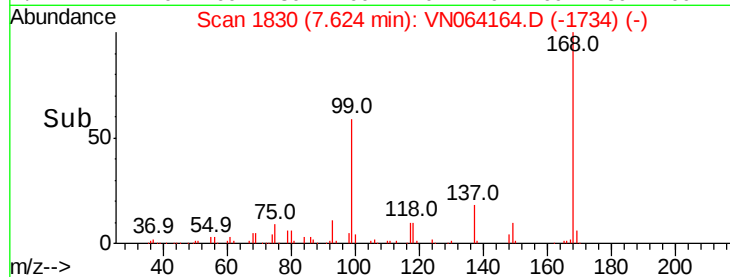
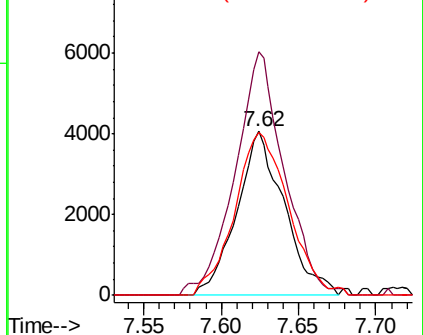
#31
Cyclohexane
Concen: 1.769 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064164.D
Acq: 16 Oct 2020 15:12

Instrument :
MSVOA_N
ClientSampleId :
VN1016WBL01

Tot Ion: 56 Resp: 8672
Ion Ratio Lower Upper
56 100
69 144.2 27.8 41.6#
84 99.2 73.2 109.8

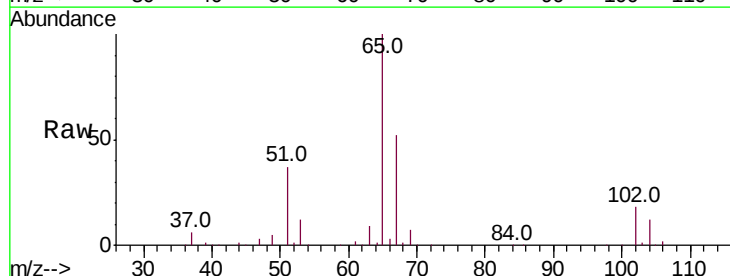


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

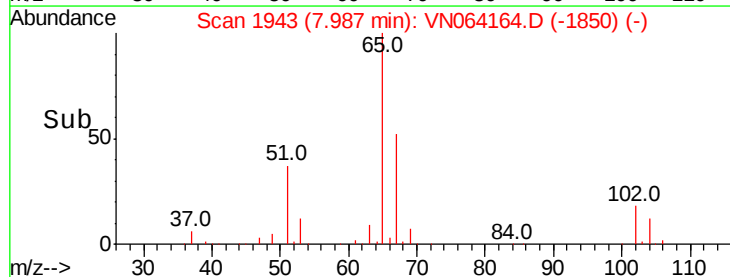
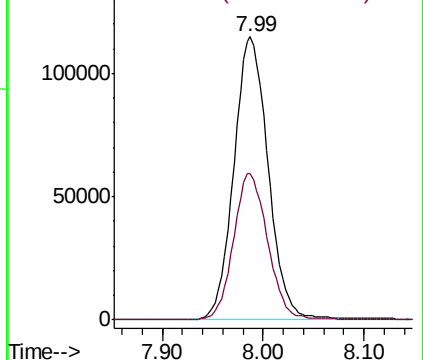


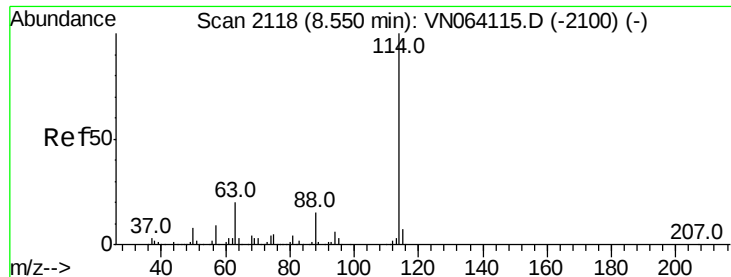
#33
1,2-Dichloroethane-d4
Concen: 61.043 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064164.D
Acq: 16 Oct 2020 15:12

Tgt Ion: 65 Resp: 270758
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.6



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: VN064164.D

Acq: 16 Oct 2020 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBL01

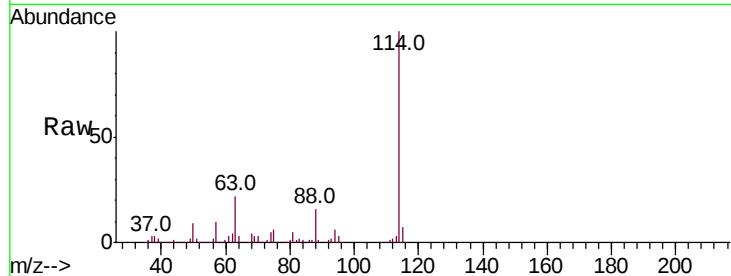
Tot Ion:114 Resp: 600557

Ion Ratio Lower Upper

114 100

63 22.0 0.0 41.0

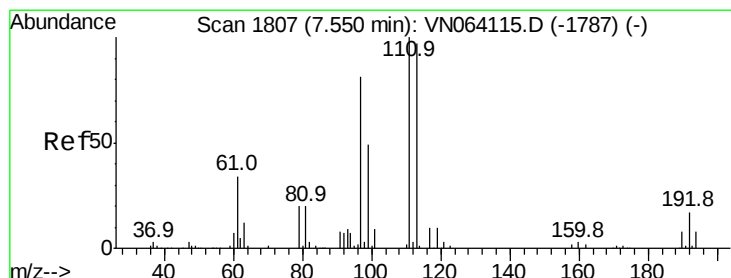
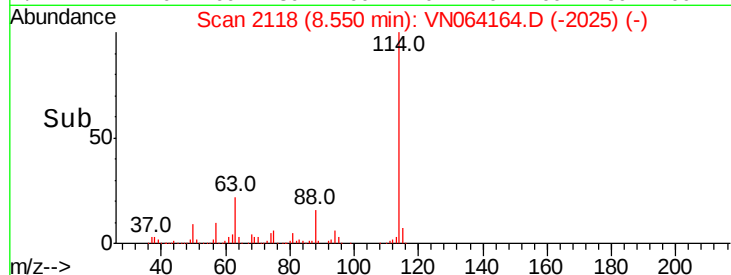
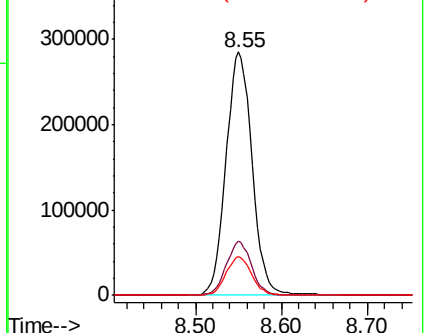
88 15.7 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0



#35

Dibromofluoromethane

Concen: 51.185 ug/l

RT: 7.55 min Scan# 1806

Delta R.T. -0.00 min

Lab File: VN064164.D

Acq: 16 Oct 2020 15:12

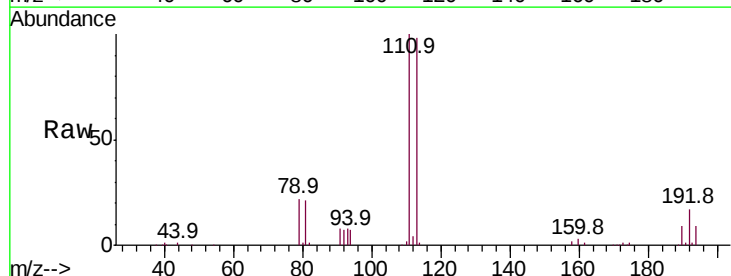
Tgt Ion:113 Resp: 212763

Ion Ratio Lower Upper

113 100

111 103.5 81.9 122.9

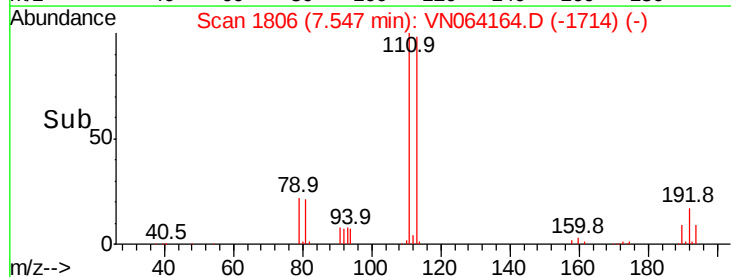
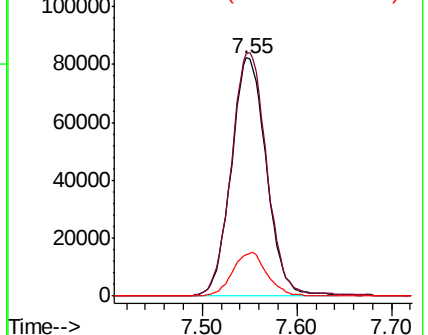
192 17.9 14.3 21.5

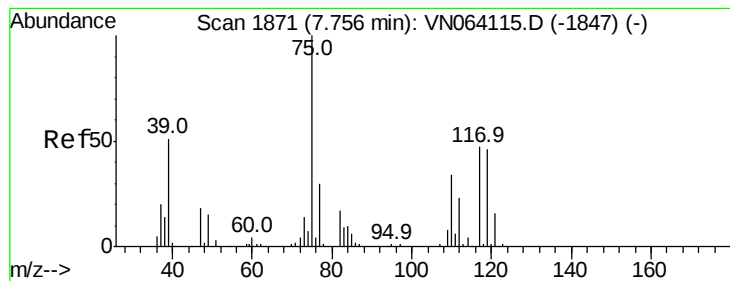


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.864 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.13 min

Lab File: VN064164.D

Acq: 16 Oct 2020 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBL01

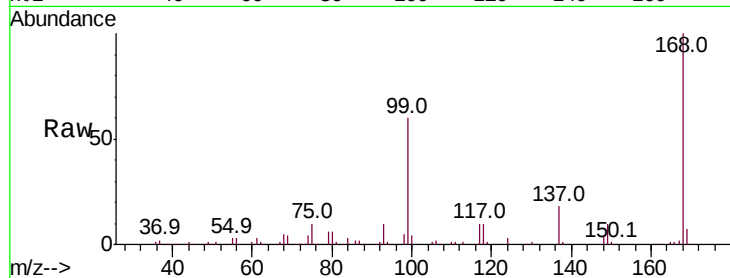
Tot Ion: 75 Resp: 28153

Ion Ratio Lower Upper

75 100

110 8.0 17.8 53.3#

77 0.0 24.9 37.3#

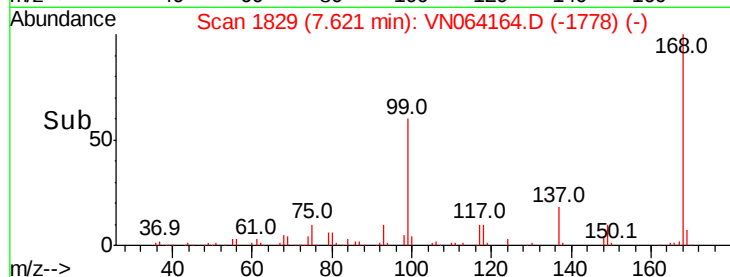


Abundance Ion 74.90 (74.60 to 75.60): VN064115.D (-1847) (-)

Ion 109.90 (109.60 to 110.60): VN064115.D (-1847) (-)

Ion 76.90 (76.60 to 77.60): VN064115.D (-1847) (-)

Time-->

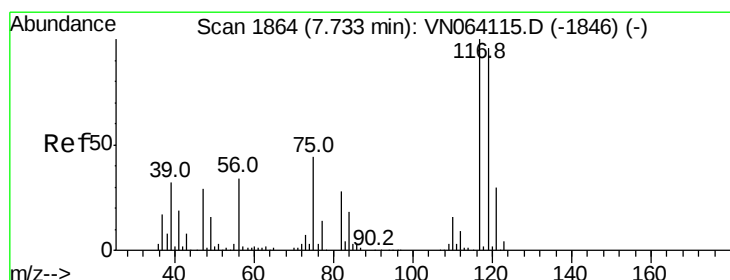


Abundance Ion 74.90 (74.60 to 75.60): VN064164.D (-1778) (-)

Ion 109.90 (109.60 to 110.60): VN064164.D (-1778) (-)

Ion 76.90 (76.60 to 77.60): VN064164.D (-1778) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.213 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.10 min

Lab File: VN064164.D

Acq: 16 Oct 2020 15:12

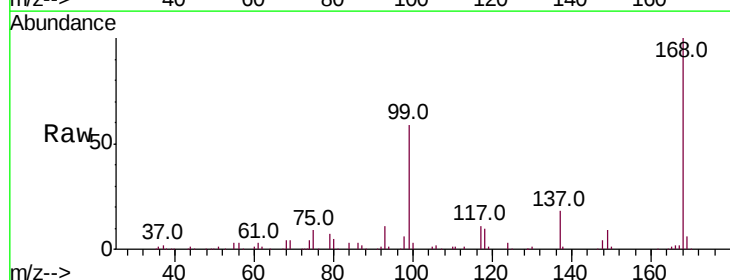
Tgt Ion: 117 Resp: 32447

Ion Ratio Lower Upper

117 100

119 8.6 77.0 115.4#

121 0.0 24.2 36.4#

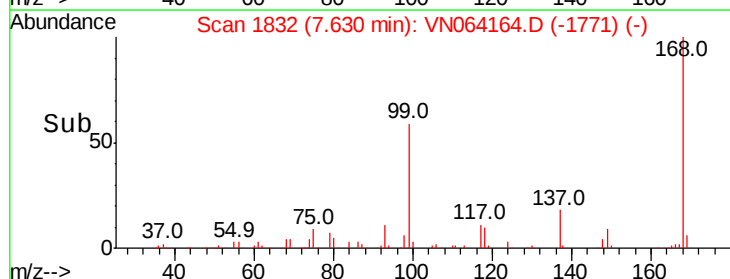


Abundance Ion 116.80 (116.50 to 117.50): VN064115.D (-1846) (-)

Ion 118.80 (118.50 to 119.50): VN064115.D (-1846) (-)

Ion 120.80 (120.50 to 121.50): VN064115.D (-1846) (-)

Time-->

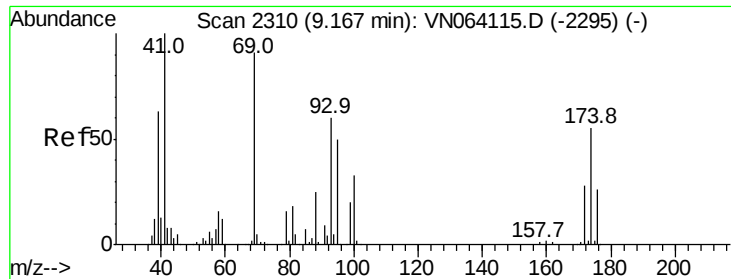


Abundance Ion 116.80 (116.50 to 117.50): VN064164.D (-1771) (-)

Ion 118.80 (118.50 to 119.50): VN064164.D (-1771) (-)

Ion 120.80 (120.50 to 121.50): VN064164.D (-1771) (-)

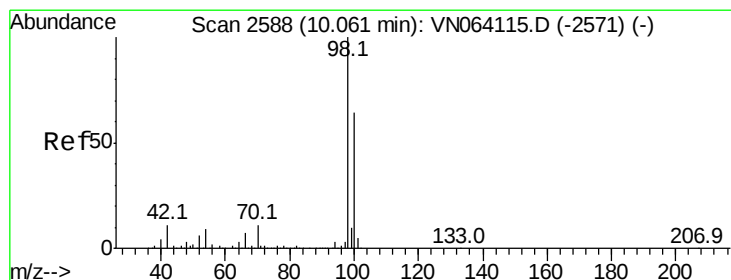
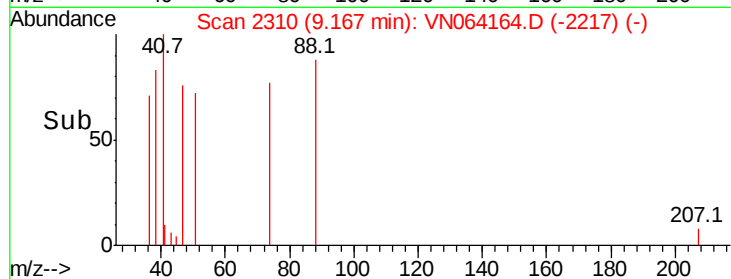
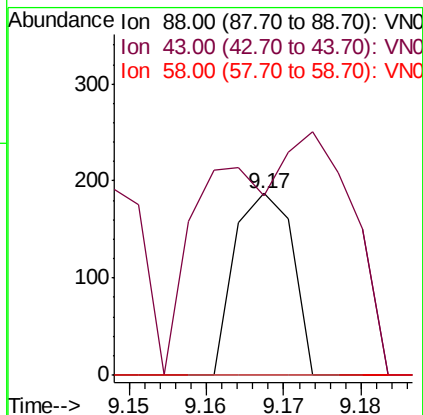
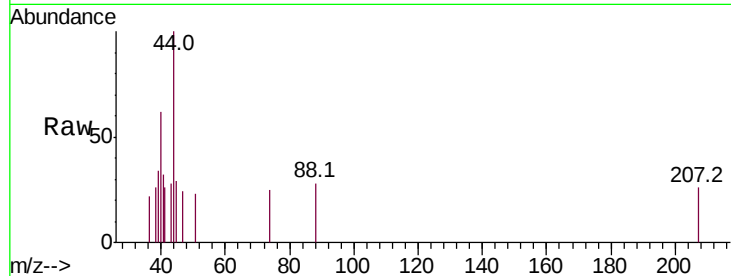
Time-->



#49
 1,4-Dioxane
 Concen: 1.622 ug/l
 RT: 9.17 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN064164.D
 Acq: 16 Oct 2020 15:12

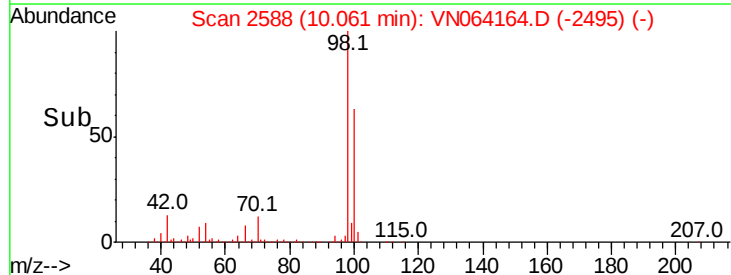
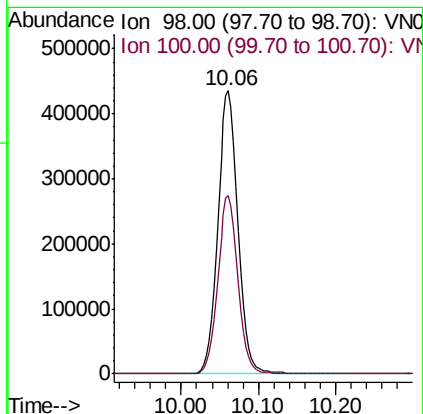
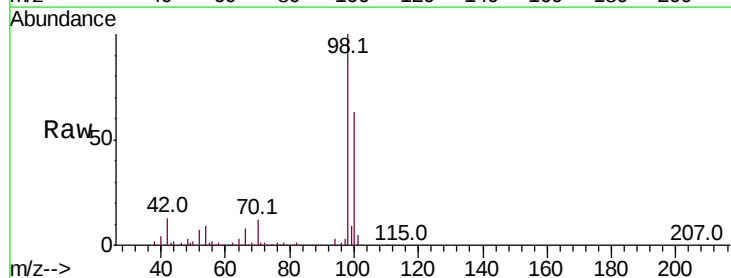
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBL01

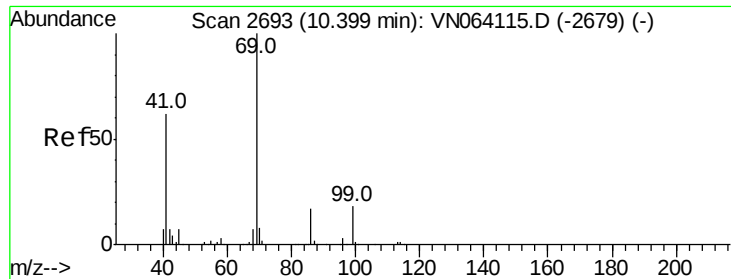
Tot Ion: 88 Resp: 97
 Ion Ratio Lower Upper
 88 100
 43 319.6 27.2 40.8#
 58 0.0 52.6 78.8#



#50
 Toluene-d8
 Concen: 50.710 ug/l
 RT: 10.06 min Scan# 2588
 Delta R.T. 0.00 min
 Lab File: VN064164.D
 Acq: 16 Oct 2020 15:12

Tgt Ion: 98 Resp: 795342
 Ion Ratio Lower Upper
 98 100
 100 63.0 50.8 76.2





#56

Ethyl methacrylate

Concen: 2.304 ug/l

RT: 10.45 min Scan# 2709

Delta R.T. 0.05 min

Lab File: VN064164.D

Acq: 16 Oct 2020 15:12

Instrument :

MSVOA_N

ClientSampled :

VN1016WBL01

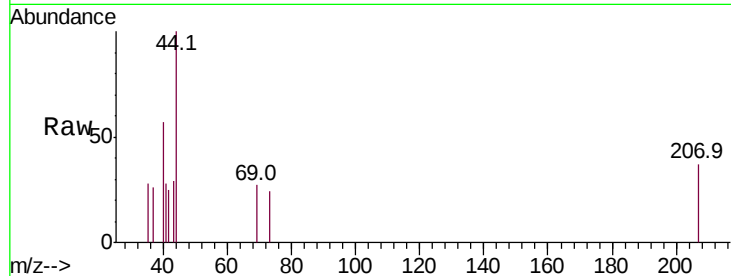
Tot Ion: 69 Resp: 33

Ion Ratio Lower Upper

69 100

41 1006.1 49.3 73.9#

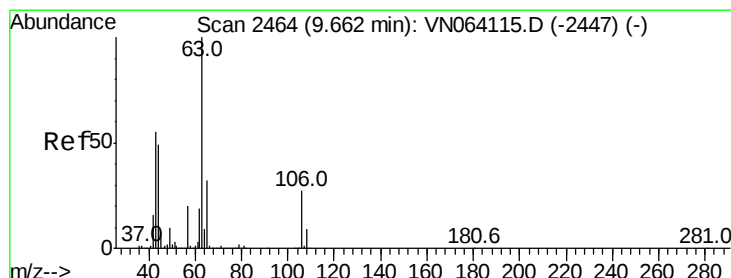
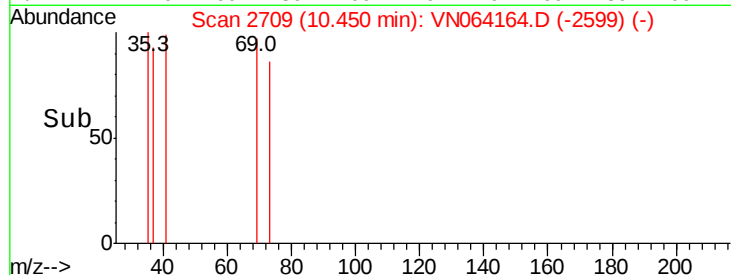
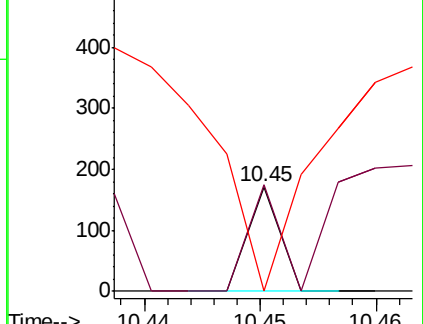
39 1493.9 32.7 49.1#



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 12.228 ug/l

RT: 9.67 min Scan# 2466

Delta R.T. 0.01 min

Lab File: VN064164.D

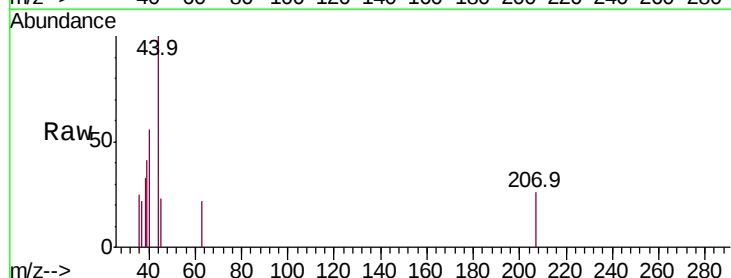
Acq: 16 Oct 2020 15:12

Tgt Ion: 63 Resp: 31

Ion Ratio Lower Upper

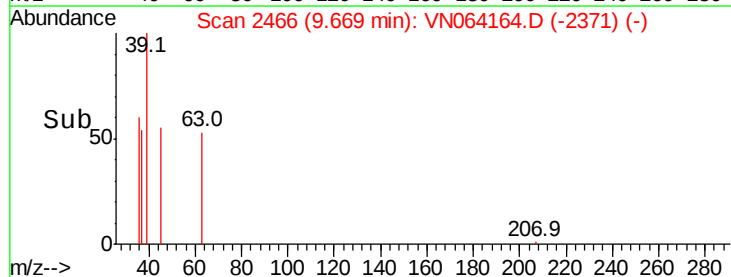
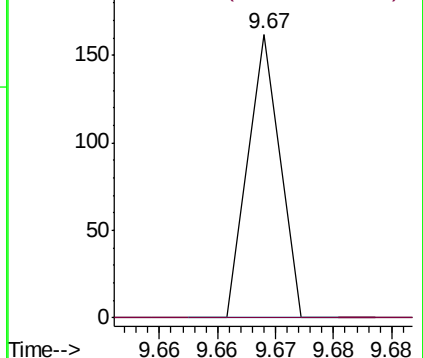
63 100

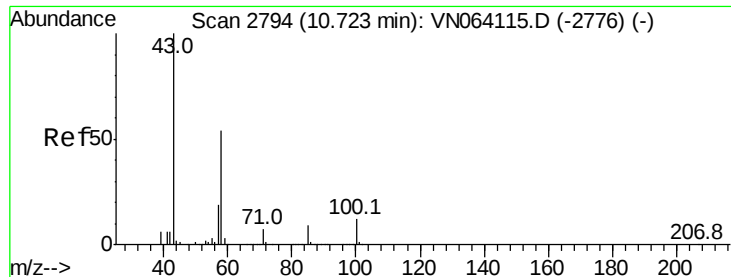
106 0.0 21.8 32.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 6.887 ug/l

RT: 10.70 min Scan# 2786

Delta R.T. -0.03 min

Lab File: VN064164.D

Acq: 16 Oct 2020 15:12

Instrument :

MSVOA_N

ClientSampled :

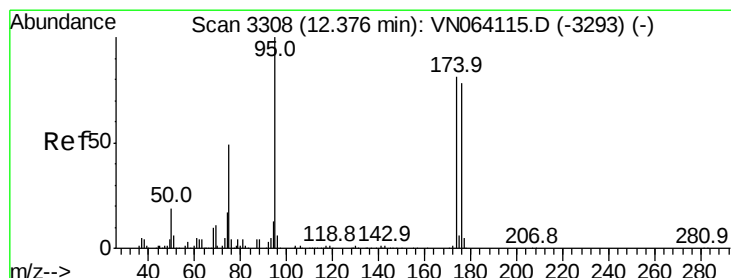
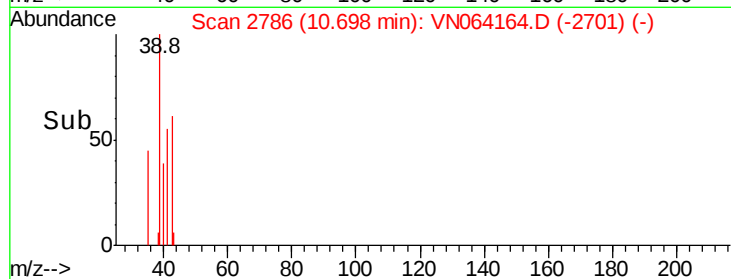
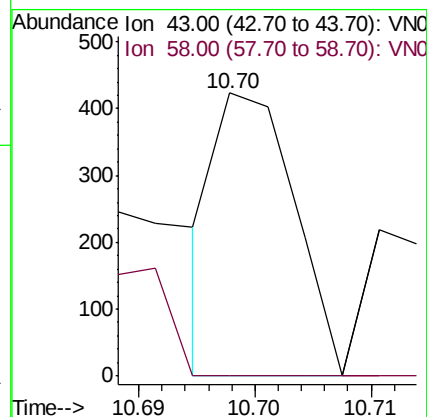
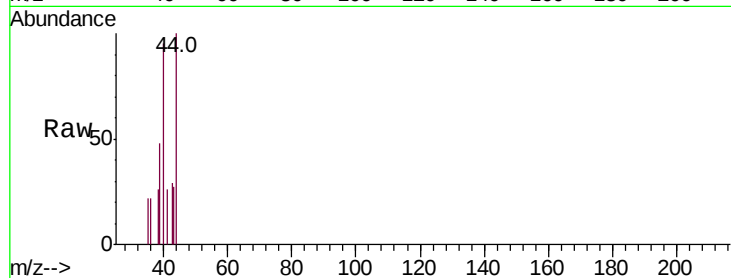
VN1016WBL01

Tot Ion: 43 Resp: 199

Ion Ratio Lower Upper

43 100

58 30.2 27.2 81.6



#62

4-Bromofluorobenzene

Concen: 49.273 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064164.D

Acq: 16 Oct 2020 15:12

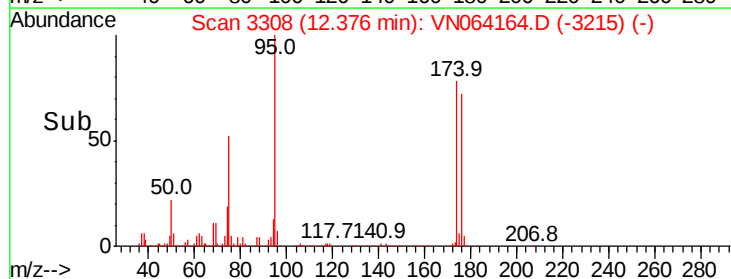
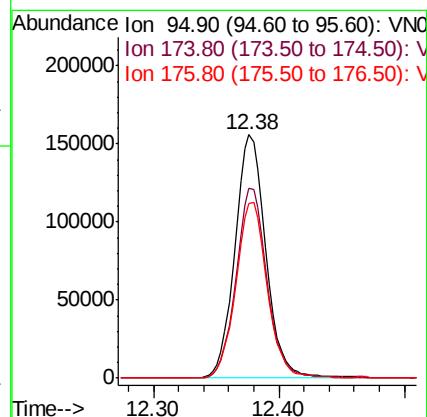
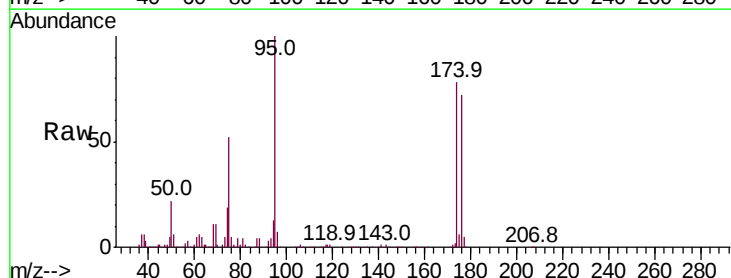
Tgt Ion: 95 Resp: 265633

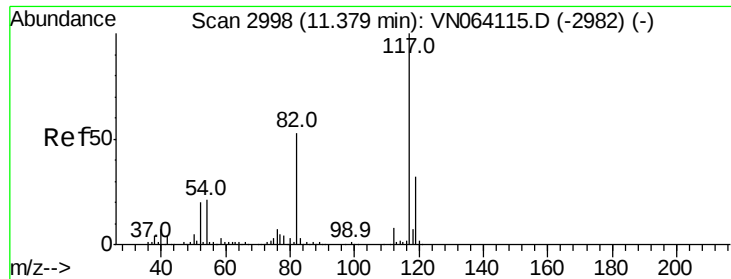
Ion Ratio Lower Upper

95 100

174 77.9 0.0 164.8

176 73.5 0.0 157.8

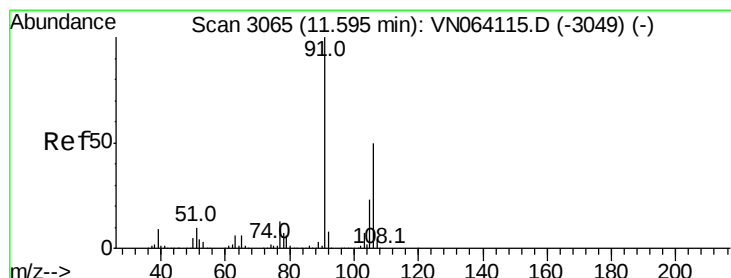
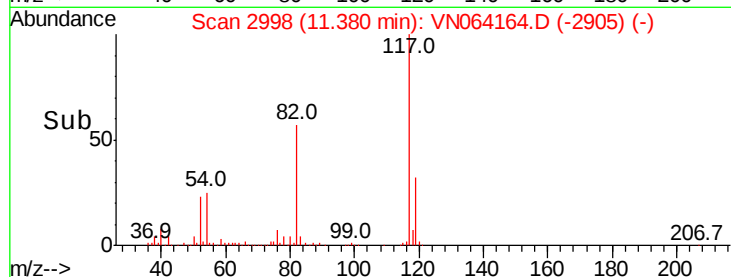
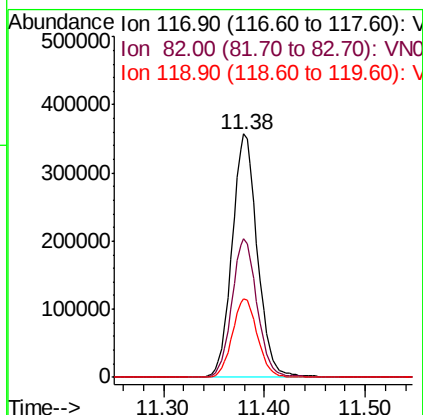
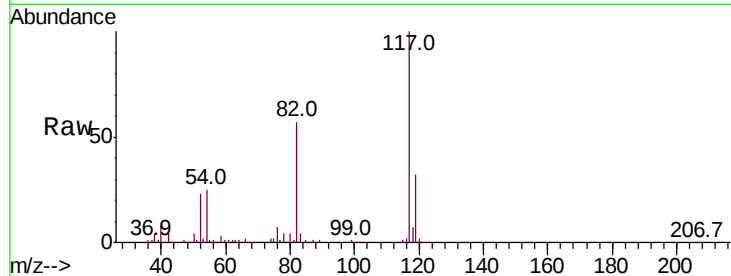




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064164.D
Acq: 16 Oct 2020 15:12

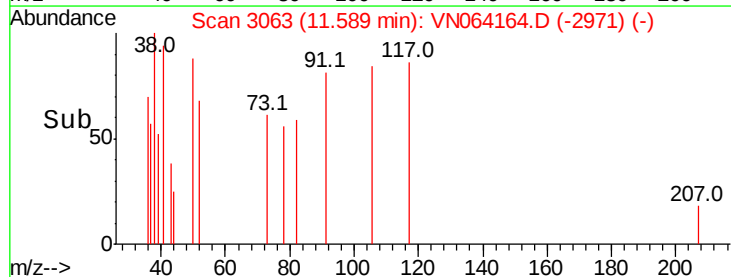
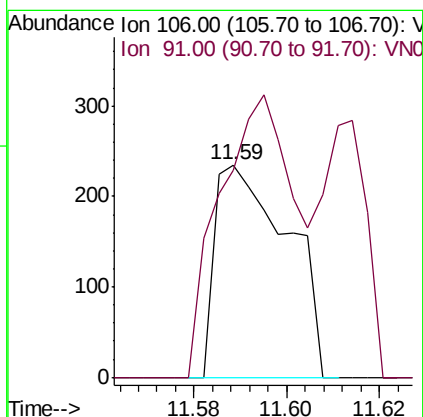
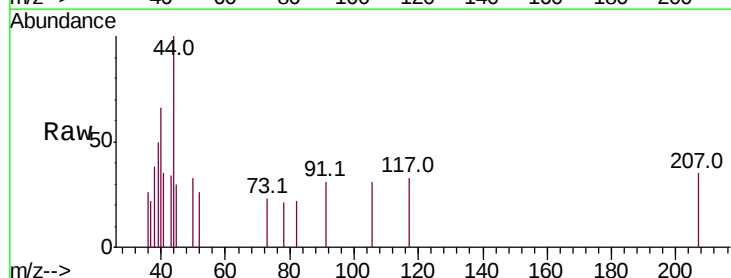
Instrument :
MSVOA_N
ClientSampleId :
VN1016WBL01

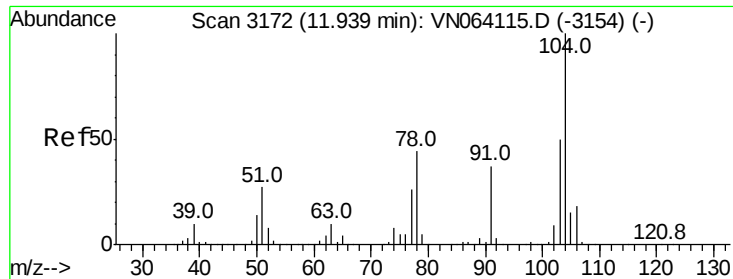
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	42.6	63.8
119	32.2	25.5	38.3



#68
m/p-Xylenes
Concen: 2.220 ug/l
RT: 11.59 min Scan# 3063
Delta R.T. -0.01 min
Lab File: VN064164.D
Acq: 16 Oct 2020 15:12

Tgt Ion	Ratio	Lower	Upper
106	100		
91	135.8	162.1	243.1#





#70

Stvrene

Concen: 2.039 ug/l

RT: 11.96 min Scan# 3179

Delta R.T. 0.02 min

Lab File: VN064164.D

Acq: 16 Oct 2020 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBL01

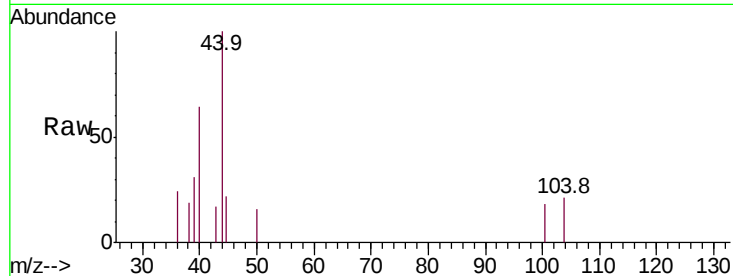
Tot Ion:104 Resp: 38

Ion Ratio Lower Upper

104 100

78 0.0 39.7 59.5#

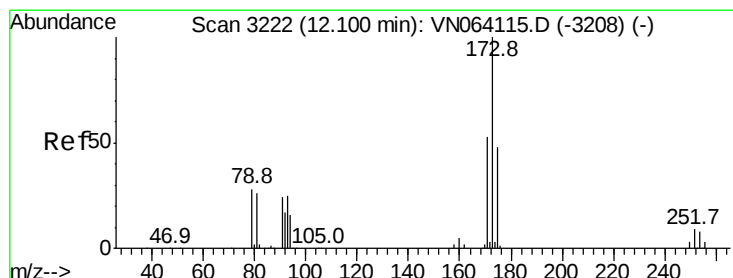
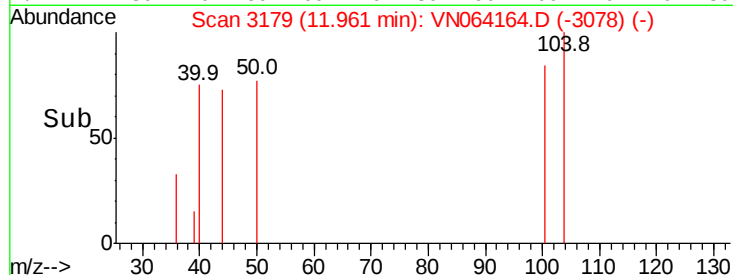
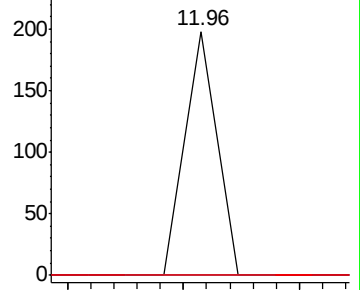
103 0.0 44.2 66.2#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 2.444 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.28 min

Lab File: VN064164.D

Acq: 16 Oct 2020 15:12

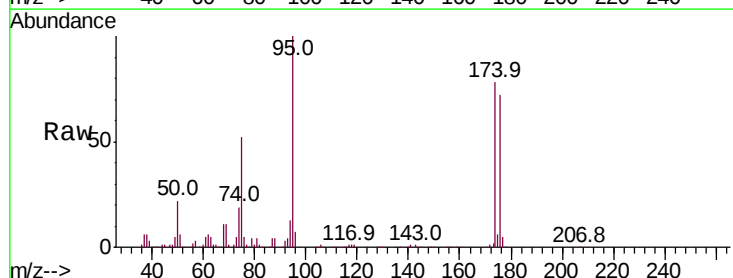
Tgt Ion:173 Resp: 923

Ion Ratio Lower Upper

173 100

175 1357.3 23.4 70.2#

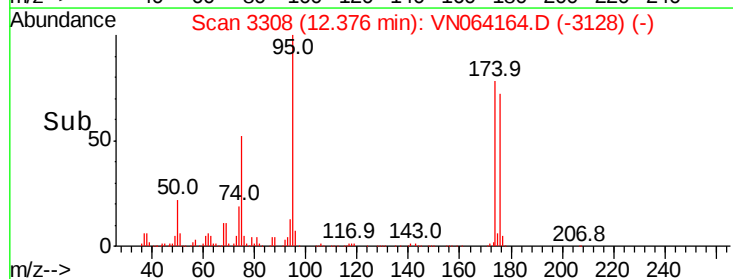
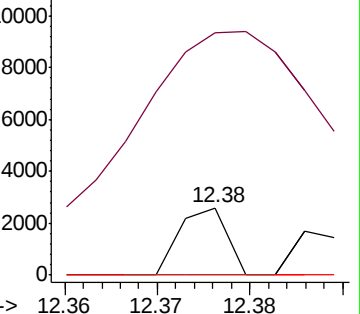
254 0.0 0.1 0.1#

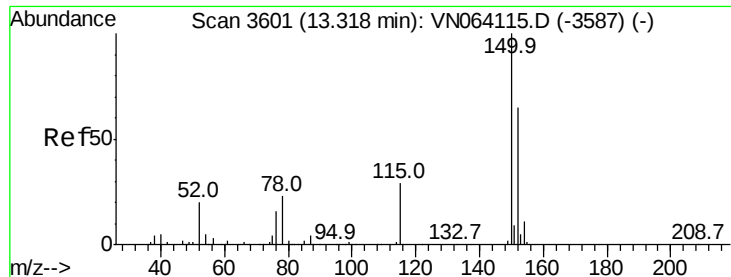


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN064164.D

Acq: 16 Oct 2020 15:12

Instrument :

MSVOA_N

ClientSampled :

VN1016WBL01

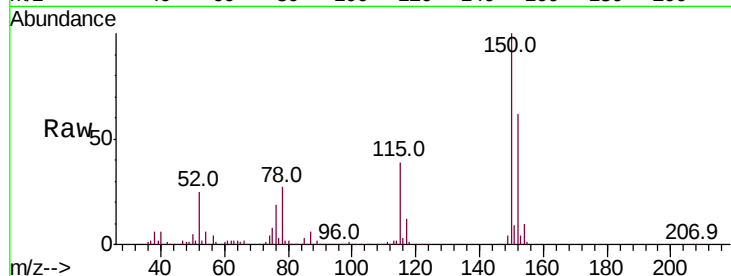
Tot Ion:152 Resp: 222249

Ion Ratio Lower Upper

152 100

115 62.2 29.3 87.8

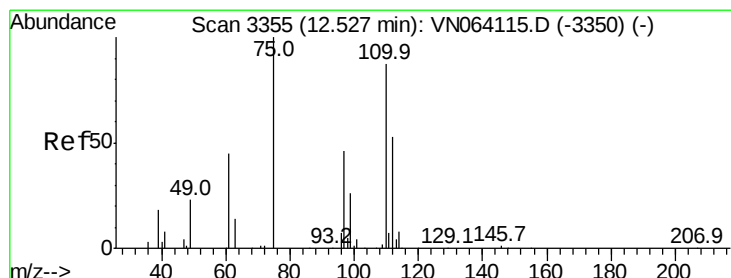
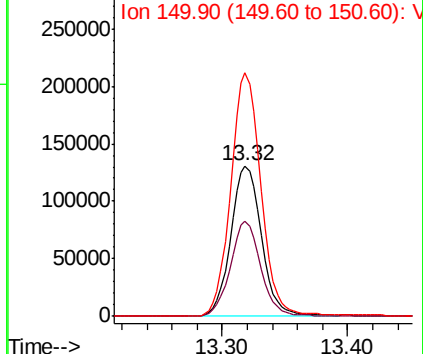
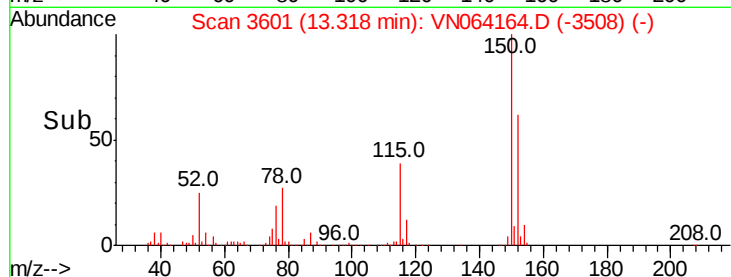
150 159.9 0.0 346.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 27.312 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064164.D

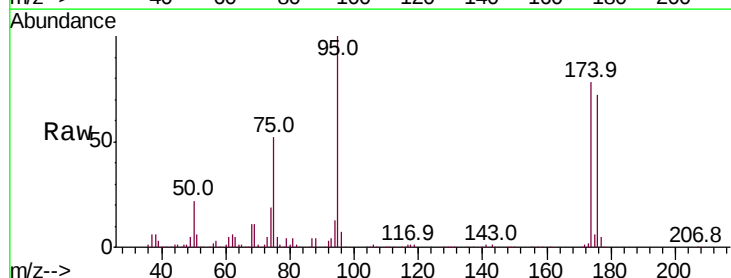
Acq: 16 Oct 2020 15:12

Tgt Ion: 75 Resp: 142407

Ion Ratio Lower Upper

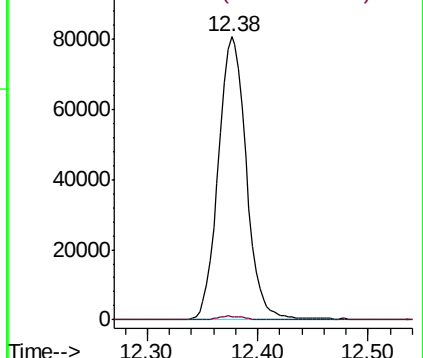
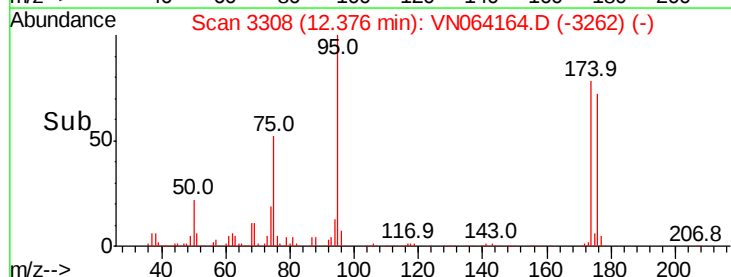
75 100

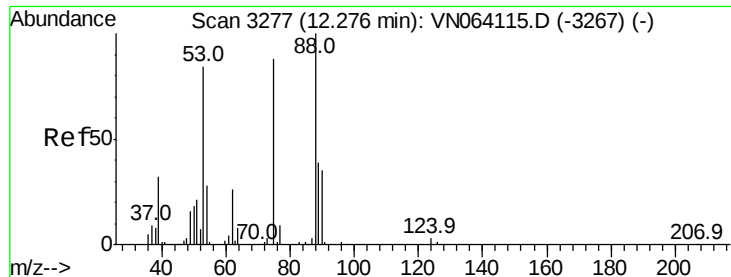
77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

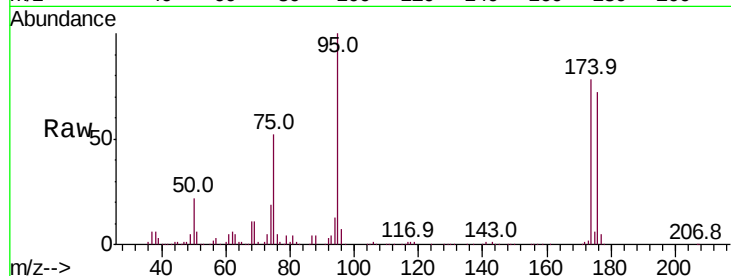




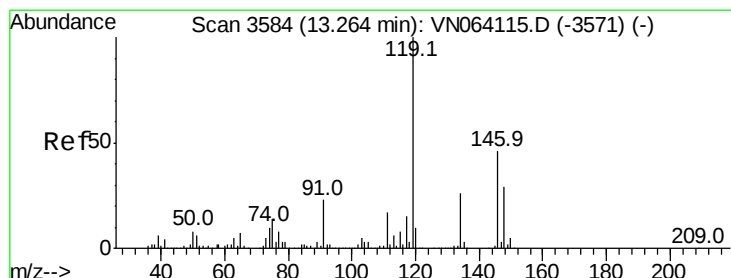
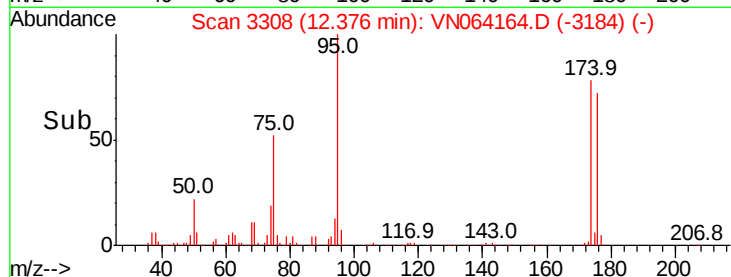
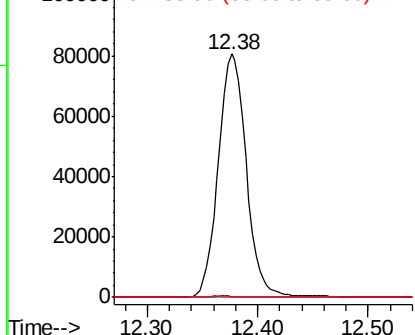
#81
trans-1,4-Dichloro-2-butene
Concen: 83.443 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.10 min
Lab File: VN064164.D
Acq: 16 Oct 2020 15:12

Instrument :
MSVOA_N
ClientSampled :
VN1016WBL01

Tot Ion: 75 Resp: 142407
Ion Ratio Lower Upper
75 100
53 0.4 75.7 113.5#
89 0.1 36.6 55.0#

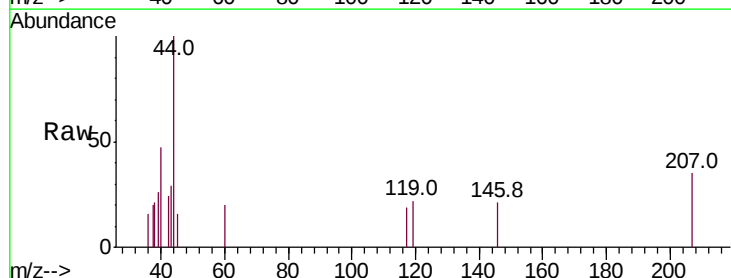


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0

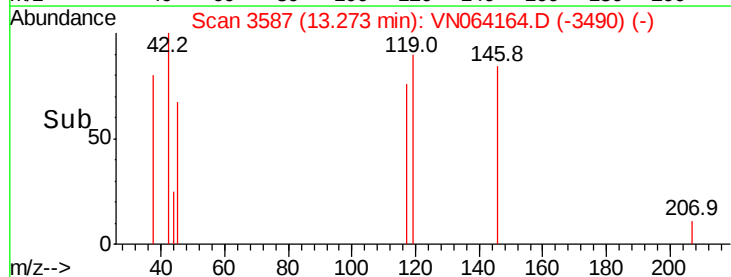
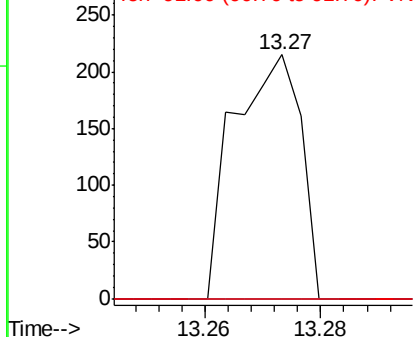


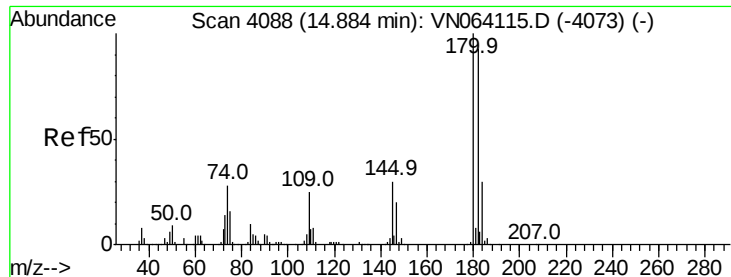
#86
p-Isopropyltoluene
Concen: 0.675 ug/l
RT: 13.27 min Scan# 3587
Delta R.T. 0.01 min
Lab File: VN064164.D
Acq: 16 Oct 2020 15:12

Tgt Ion: 119 Resp: 172
Ion Ratio Lower Upper
119 100
134 0.0 13.2 39.5#
91 0.0 12.0 36.1#



Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): VN0

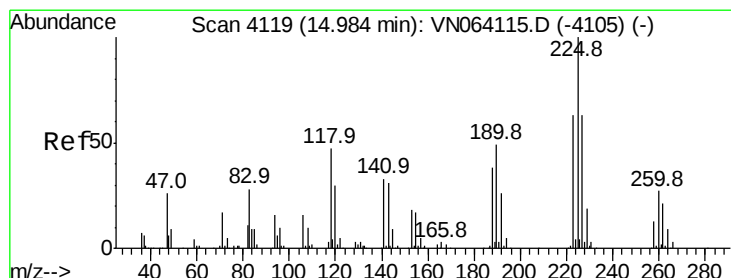
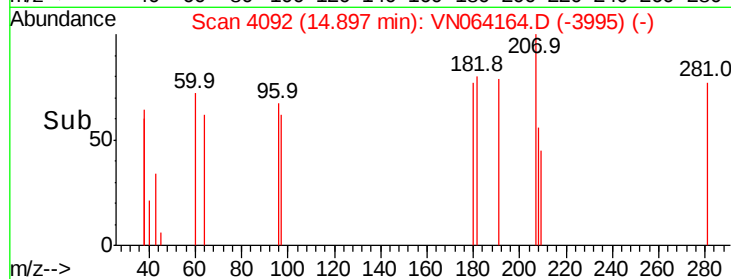
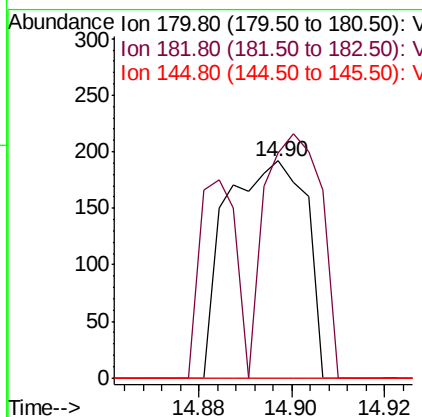
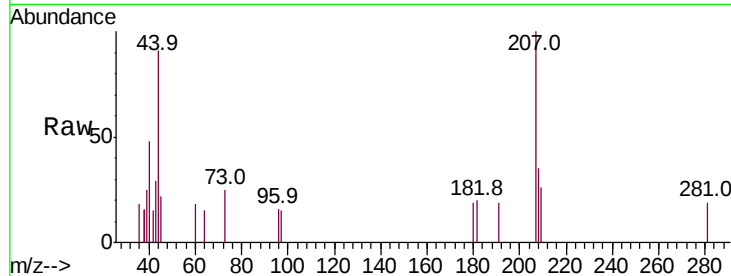




#93
 1,2,4-Trichlorobenzene
 Concen: 3.241 ug/l
 RT: 14.90 min Scan# 4092
 Delta R.T. 0.01 min
 Lab File: VN064164.D
 Acq: 16 Oct 2020 15:12

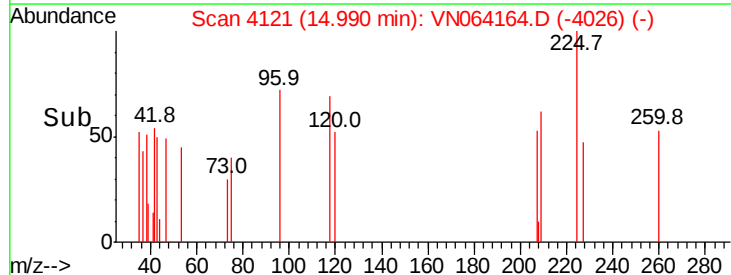
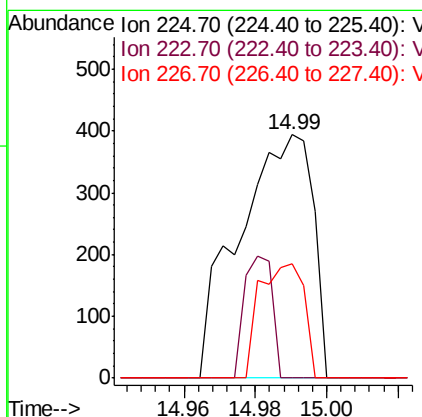
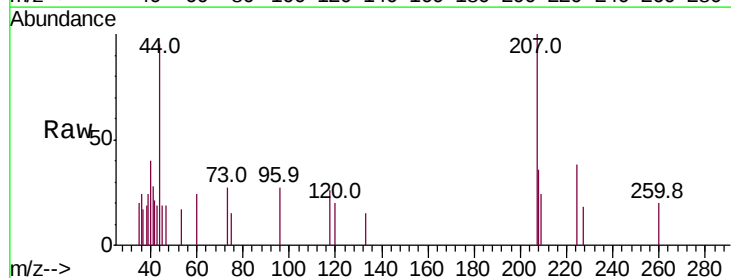
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1016WBL01

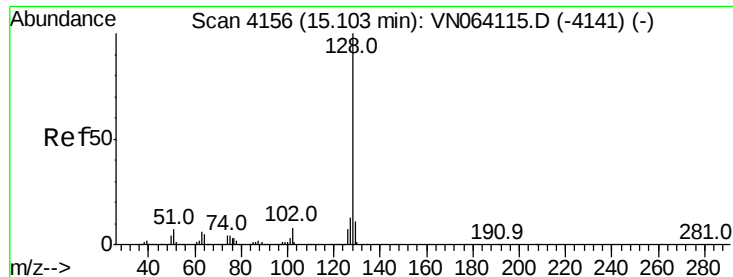
Tot Ion:180 Resp: 230
 Ion Ratio Lower Upper
 180 100
 182 79.6 45.8 137.4
 145 0.0 15.4 46.1#



#94
 Hexachlorobutadiene
 Concen: 0.327 ug/l
 RT: 14.99 min Scan# 4121
 Delta R.T. 0.01 min
 Lab File: VN064164.D
 Acq: 16 Oct 2020 15:12

Tgt Ion:225 Resp: 564
 Ion Ratio Lower Upper
 225 100
 223 18.8 32.3 96.9#
 227 28.2 31.6 94.8#





#95

Naphthalene

Concen: 3.807 ug/l

RT: 15.10 min Scan# 4154

Delta R.T. -0.01 min

Lab File: VN064164.D

Acq: 16 Oct 2020 15:12

Instrument :

MSVOA_N

ClientSampleId :

VN1016WBL01

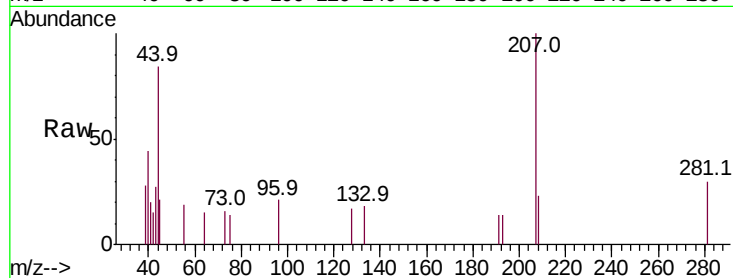
Tot Ion:128 Resp: 109

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.5 12.7#

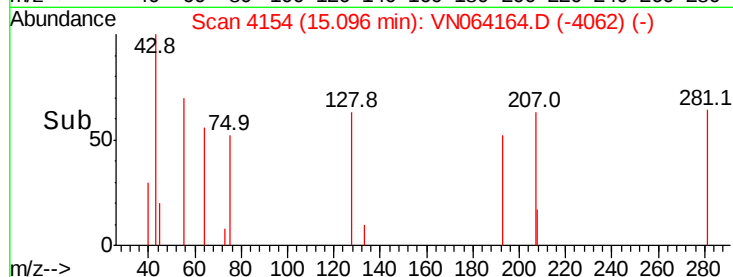


Abundance Ion 128.00 (127.70 to 128.70): V

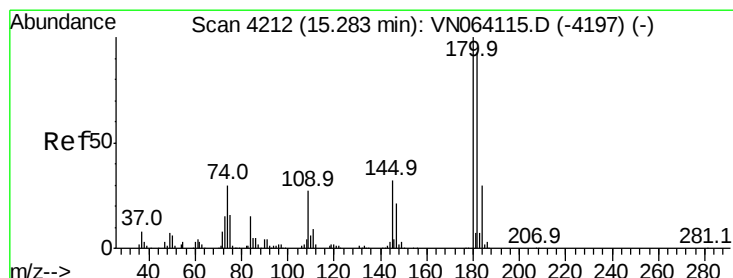
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

Time-->



Time-->



#96

1,2,3-Trichlorobenzene

Concen: 2.850 ug/l

RT: 15.29 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN064164.D

Acq: 16 Oct 2020 15:12

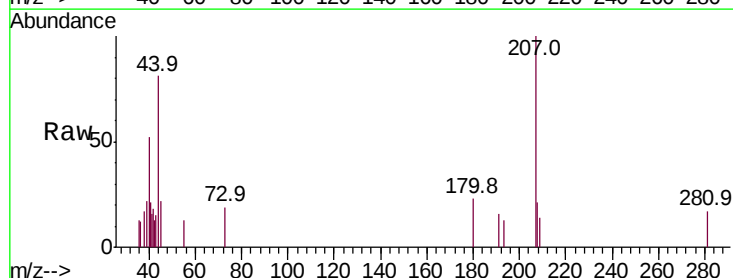
Tgt Ion:180 Resp: 150

Ion Ratio Lower Upper

180 100

182 62.7 46.6 139.8

145 0.0 16.1 48.2#

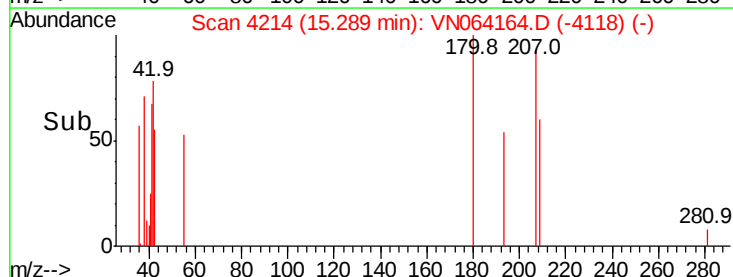


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

Time-->



Time-->