

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111920\
 Data File : VN064748.D
 Acq On : 19 Nov 2020 21:14
 Operator : JC/MD
 Sample : L4826-02 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB-2020-WW-000-04DL

Quant Time: Nov 20 03:55:47 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	7.62	168	195898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	406730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	431374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	177582	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	200993	58.32	ug/l	0.00
Spiked Amount			Recovery	=	116.64%	
35) Dibromofluoromethane	7.55	113	140009	60.48	ug/l	0.00
Spiked Amount			Recovery	=	120.96%	
50) Toluene-d8	10.06	98	581730	55.29	ug/l	0.00
Spiked Amount			Recovery	=	110.58%	
62) 4-Bromofluorobenzene	12.38	95	205896	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	

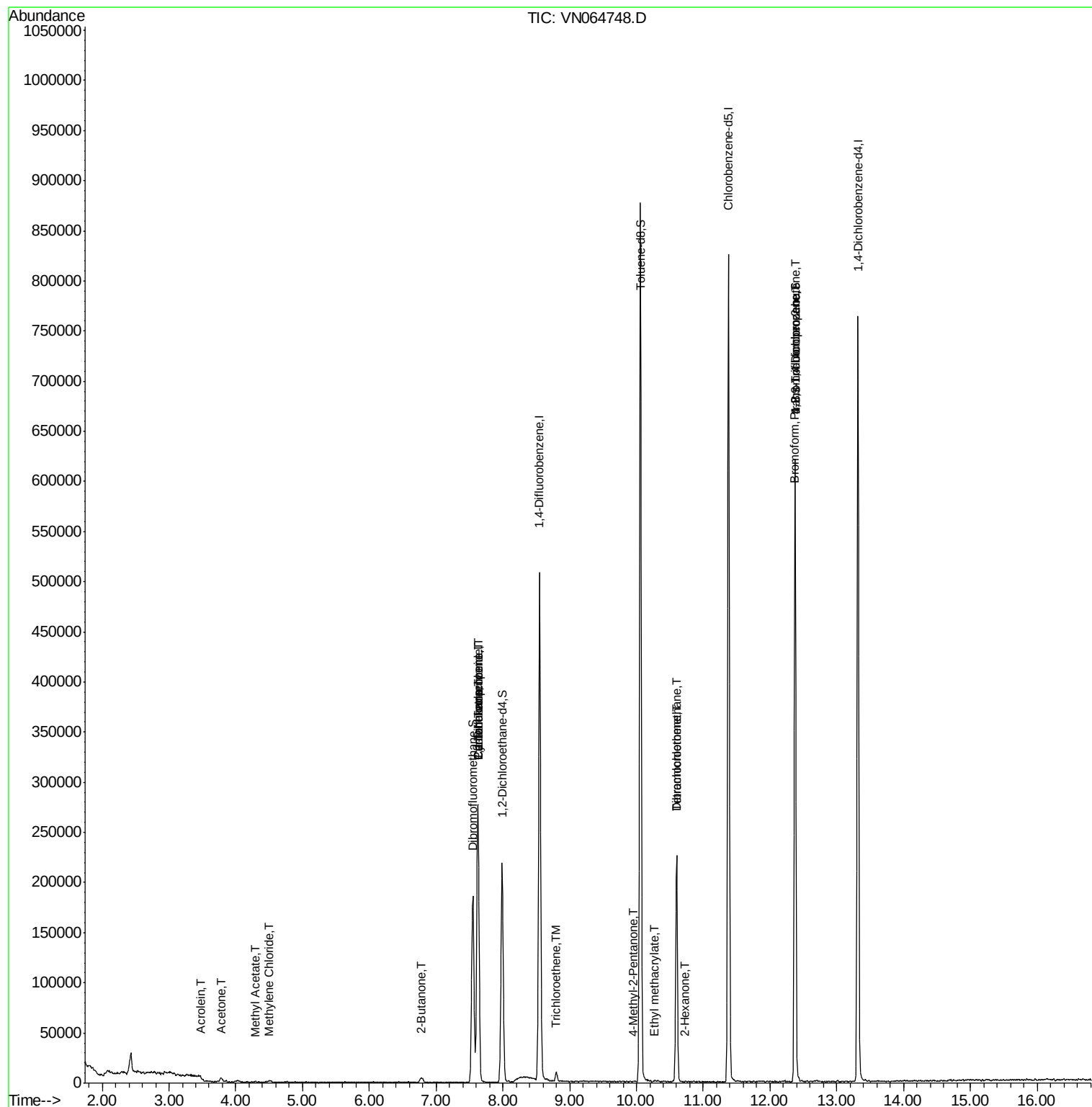
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.49	56	79	1.009	ug/l #	11
16) Acetone	3.78	43	5877	11.970	ug/l #	61
18) Methyl Acetate	4.29	43	91	1.369	ug/l #	54
20) Methylene Chloride	4.50	84	642	0.252	ug/l	93
25) 2-Butanone	6.78	43	537	0.408	ug/l #	51
31) Cyclohexane	7.62	56	6548	1.758	ug/l #	48
36) 1,1-Dichloropropene	7.63	75	19918	4.760	ug/l #	51
38) Carbon Tetrachloride	7.63	117	24193	5.440	ug/l #	17
44) Trichloroethene	8.80	130	2784	0.832	ug/l	83
51) 4-Methyl-2-Pentanone	9.96	43	169	6.170	ug/l #	39
56) Ethyl methacrylate	10.27	69	60	2.687	ug/l #	1
59) 2-Hexanone	10.73	43	174	8.495	ug/l #	28
60) Dibromochloromethane	10.60	129	46721	14.040	ug/l #	11
64) Tetrachloroethene	10.60	164	45310	11.848	ug/l	96
71) Bromoform	12.36	173	188	2.514	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	118192	30.890	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	118192	78.698	ug/l #	5

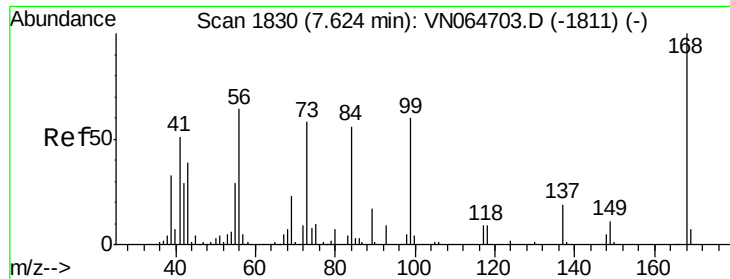
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN064748.D

Acq: 19 Nov 2020 21:14

Instrument :

MSVOA_N

ClientSampleId :

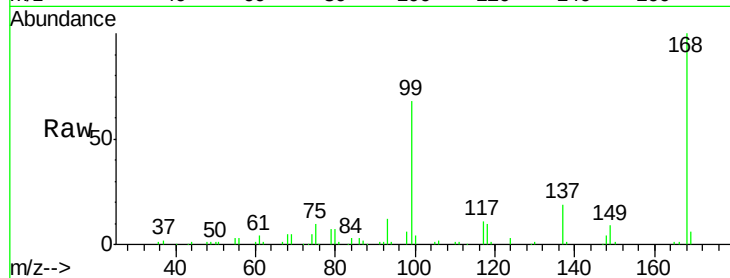
PB-2020-WW-000-04DL

Tot Ion:168 Resp: 195898

Ion Ratio Lower Upper

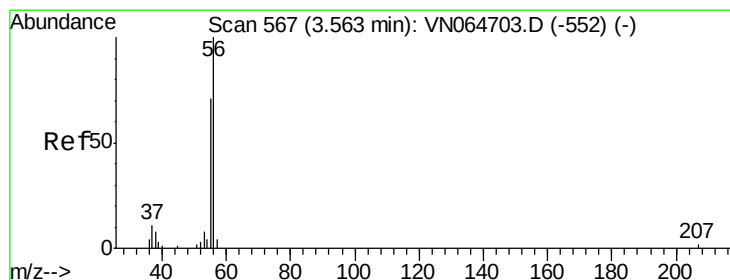
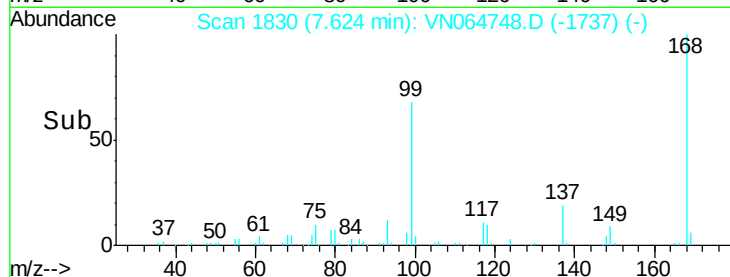
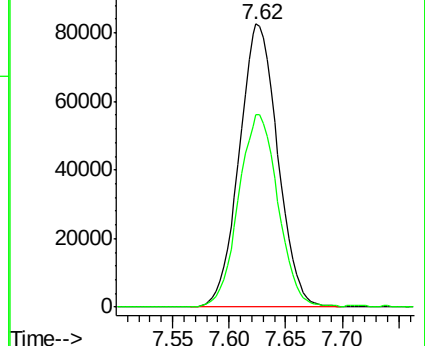
168 100

99 67.9 55.7 83.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#13

Acrolein

Concen: 1.009 ug/l

RT: 3.49 min Scan# 544

Delta R.T. -0.07 min

Lab File: VN064748.D

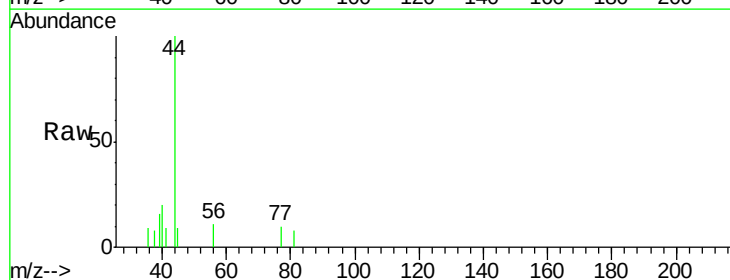
Acq: 19 Nov 2020 21:14

Tgt Ion: 56 Resp: 79

Ion Ratio Lower Upper

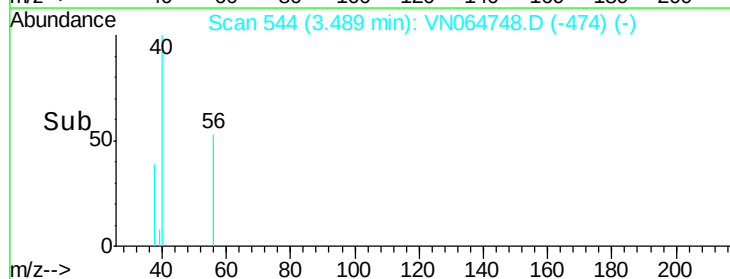
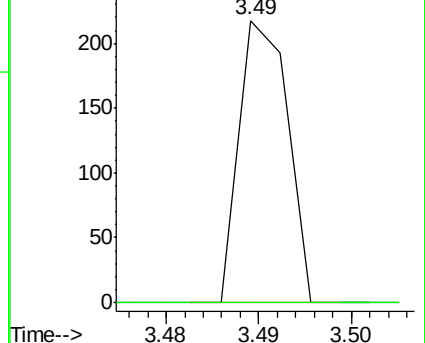
56 100

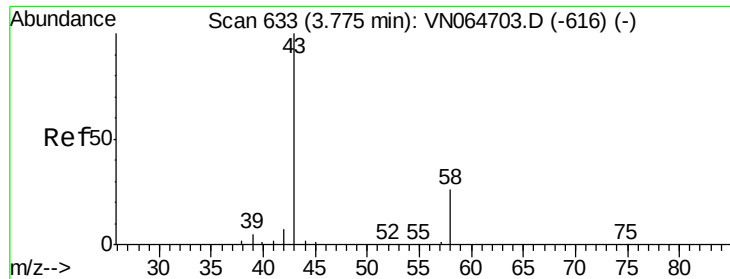
55 0.0 61.8 92.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

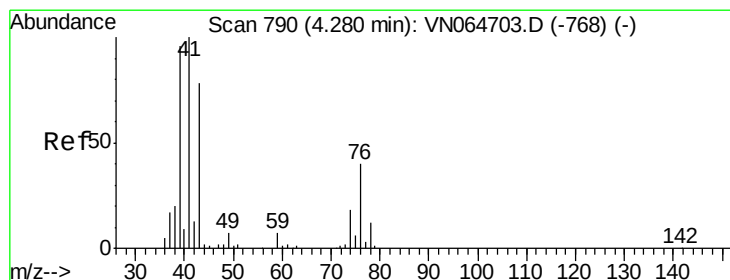
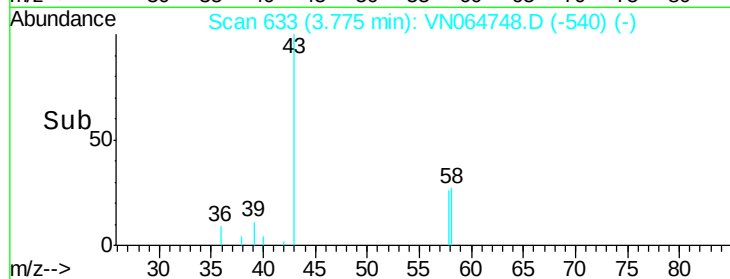
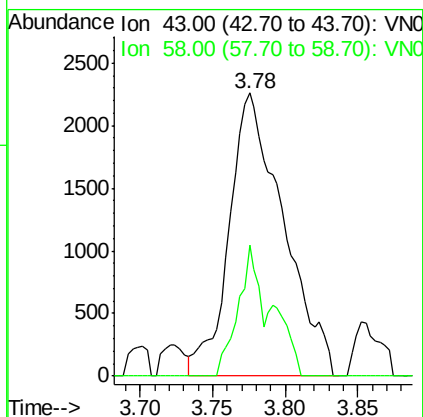
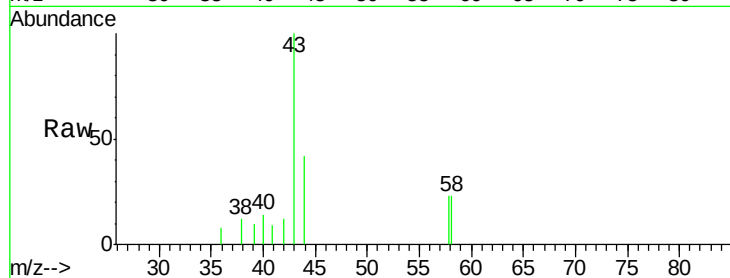




#16
Acetone
Concen: 11.970 ug/l
RT: 3.78 min Scan# 633
Delta R.T. 0.00 min
Lab File: VN064748.D
Acq: 19 Nov 2020 21:14

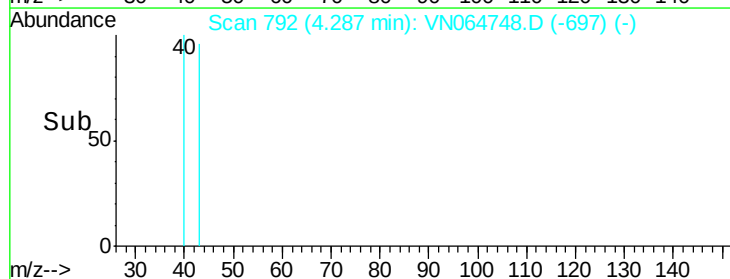
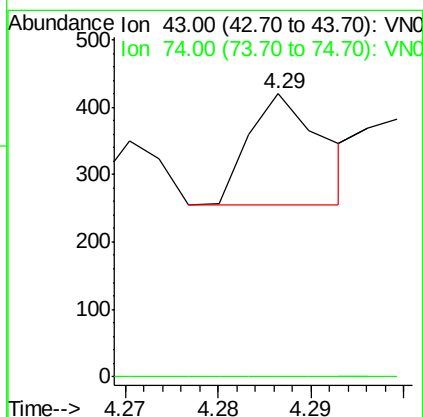
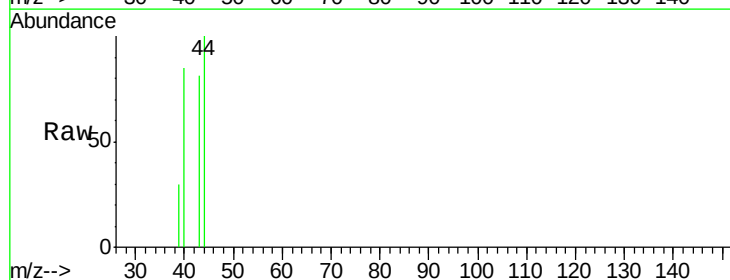
Instrument :
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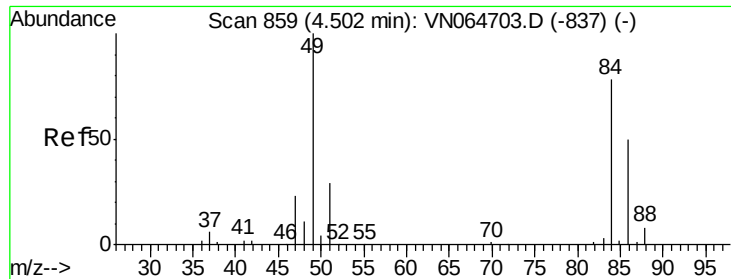
Tot Ion: 43 Resp: 5877
Ion Ratio Lower Upper
43 100
58 46.4 21.2 31.8#



#18
Methyl Acetate
Concen: 1.369 ug/l
RT: 4.29 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN064748.D
Acq: 19 Nov 2020 21:14

Tgt Ion: 43 Resp: 91
Ion Ratio Lower Upper
43 100
74 0.0 17.6 26.4#

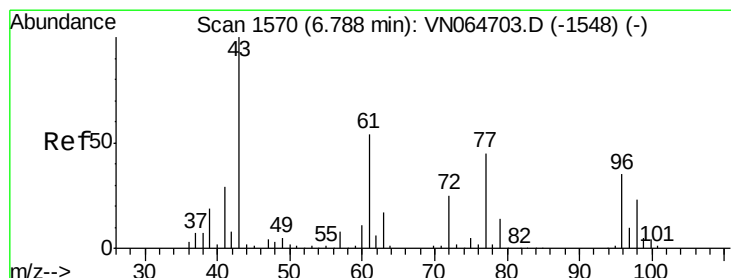
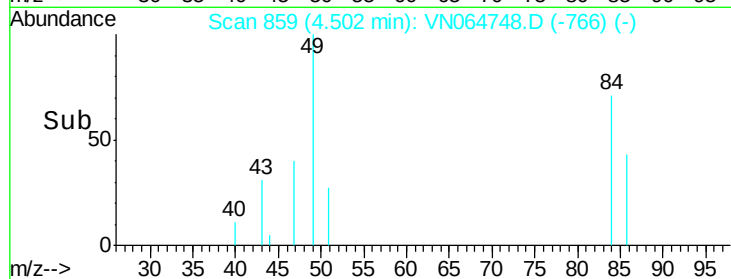
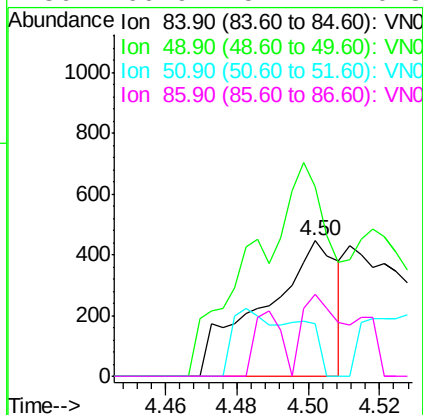
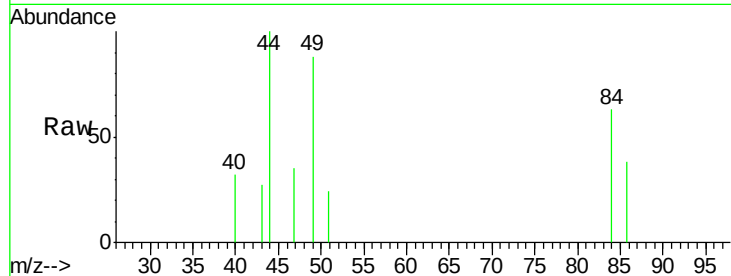




#20
Methvlene Chloride
Concen: 0.252 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN064748.D
Acq: 19 Nov 2020 21:14

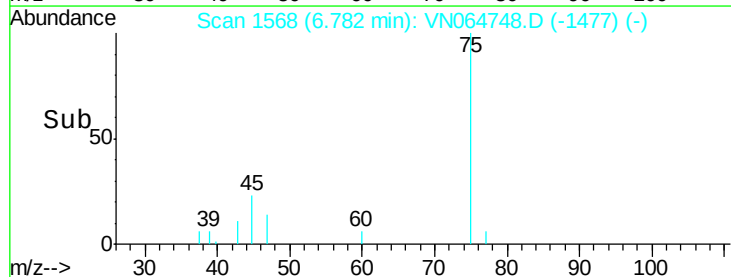
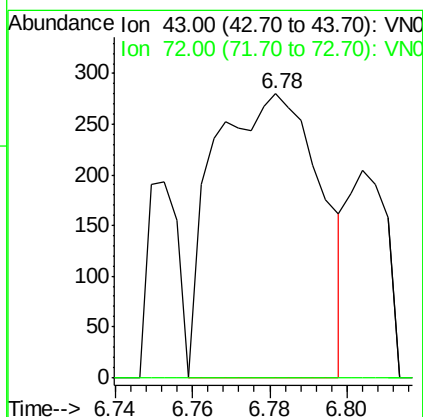
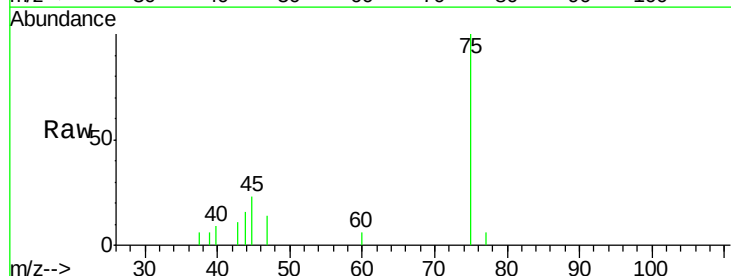
Instrument :
MSVOA_N
ClientSampleId :
PB-2020-WW-000-04DL

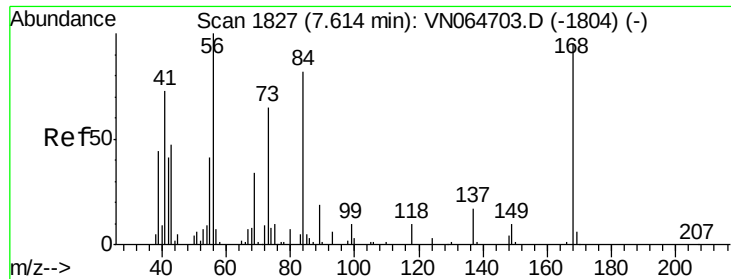
Tot Ion:	84	Resp:	642
Ion	Ratio	Lower	Upper
84	100		
49	140.0	102.4	153.6
51	38.4	29.4	44.2
86	60.9	51.2	76.8



#25
2-Butanone
Concen: 0.408 ug/l
RT: 6.78 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VN064748.D
Acq: 19 Nov 2020 21:14

Tgt Ion:	43	Resp:	537
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.7	29.5#

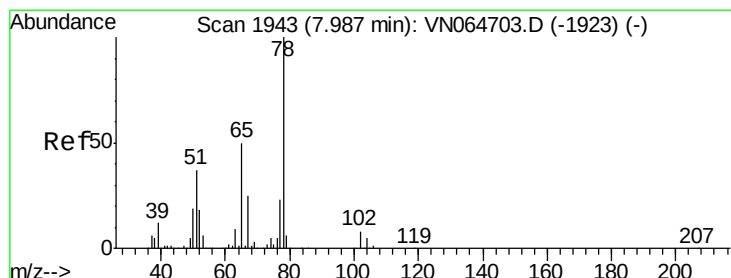
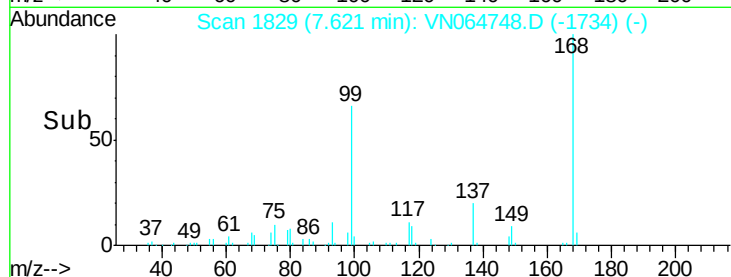
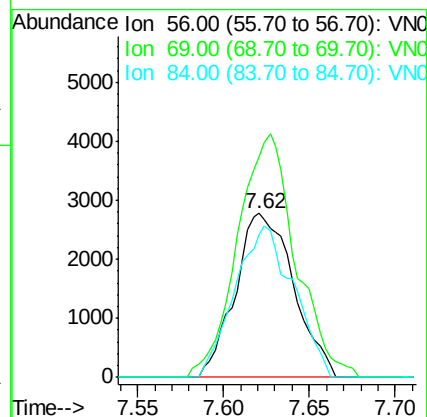
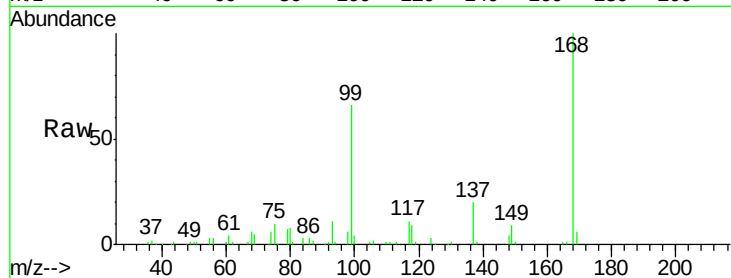




#31
Cyclohexane
Concen: 1.758 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN064748.D
Acq: 19 Nov 2020 21:14

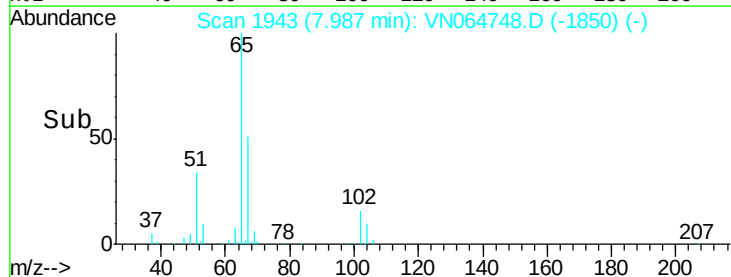
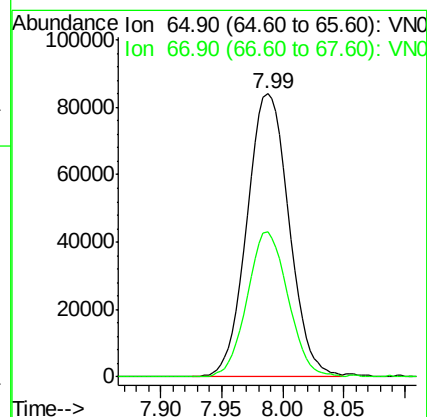
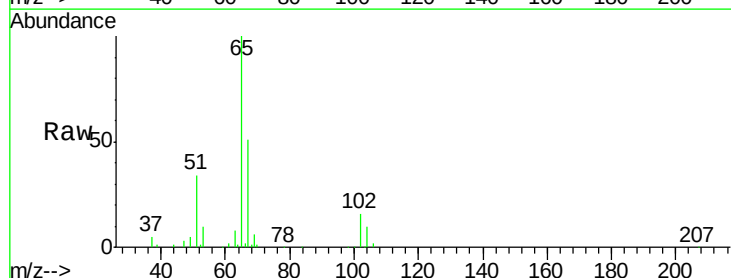
Instrument :
MSVOA_N
ClientSampleId :
PB-2020-WW-000-04DL

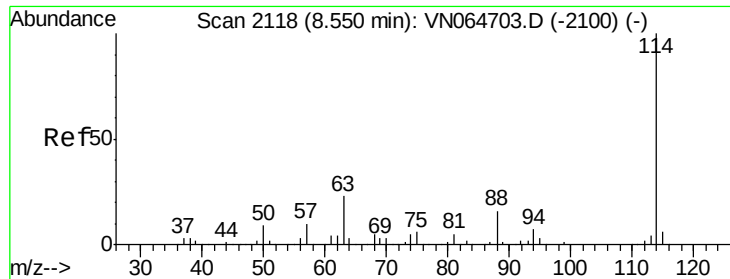
Tot Ion: 56 Resp: 6548
Ion Ratio Lower Upper
56 100
69 128.8 27.2 40.8#
84 87.2 65.9 98.9



#33
1,2-Dichloroethane-d4
Concen: 58.324 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN064748.D
Acq: 19 Nov 2020 21:14

Tgt Ion: 65 Resp: 200993
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: VN064748.D

Acq: 19 Nov 2020 21:14

Instrument :

MSVOA_N

ClientSampleId :

PB-2020-WW-000-04DL

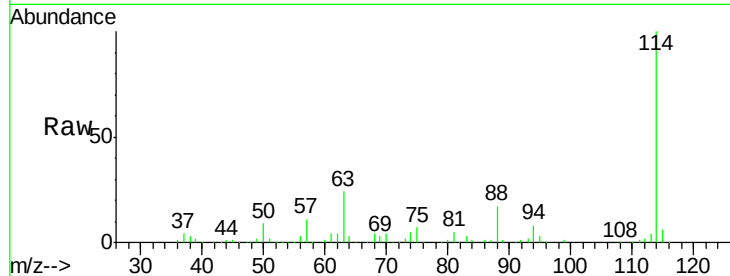
Tot Ion:114 Resp: 406730

Ion Ratio Lower Upper

114 100

63 23.5 0.0 46.0

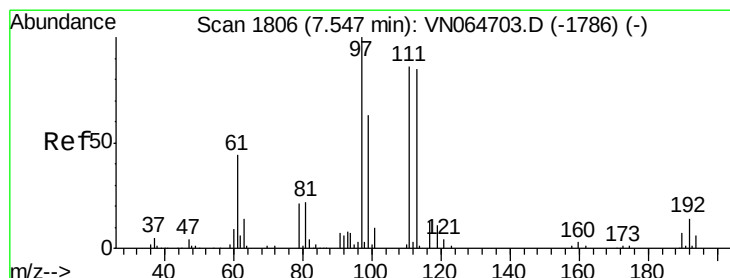
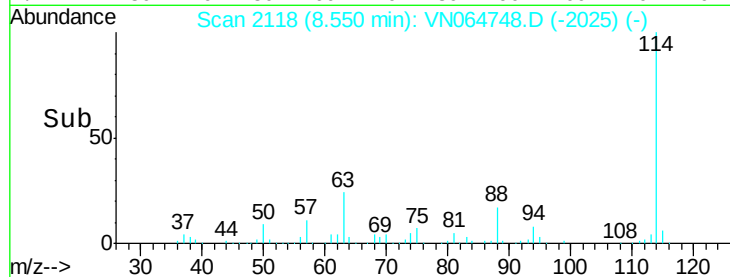
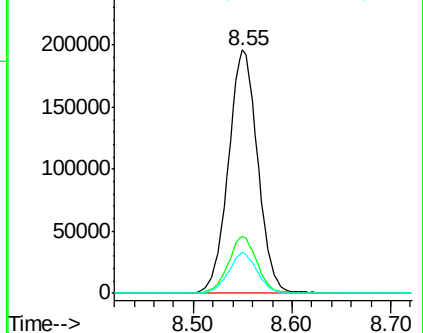
88 16.8 0.0 31.2



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: 60.479 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN064748.D

Acq: 19 Nov 2020 21:14

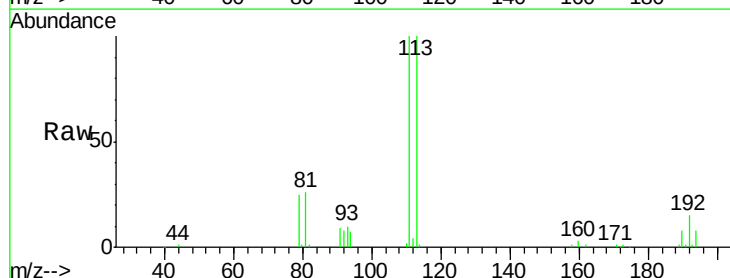
Tgt Ion:113 Resp: 140009

Ion Ratio Lower Upper

113 100

111 101.8 82.2 123.4

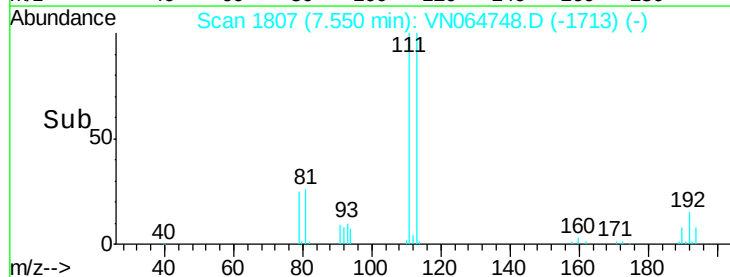
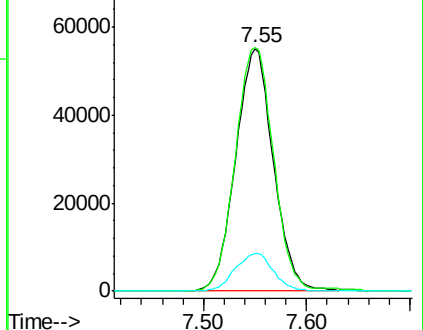
192 15.9 12.7 19.1

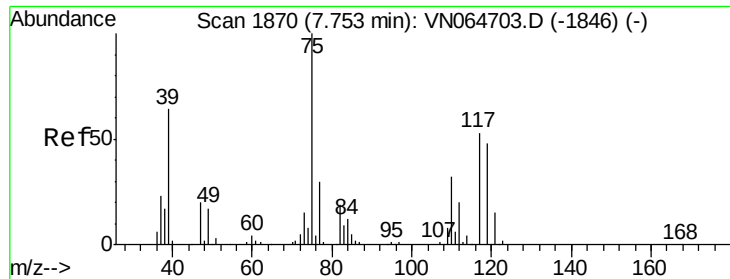


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.760 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN064748.D

Acq: 19 Nov 2020 21:14

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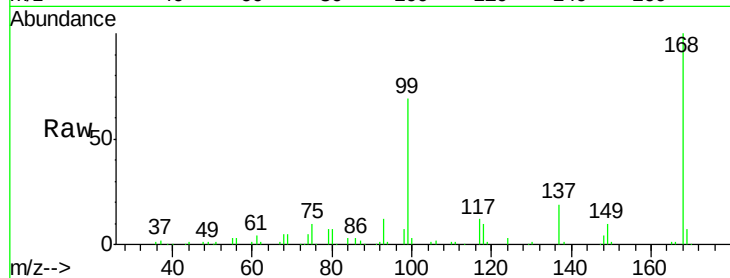
Tot Ion: 75 Resp: 19918

Ion Ratio Lower Upper

75 100

110 8.7 16.2 48.6#

77 0.0 24.4 36.6#

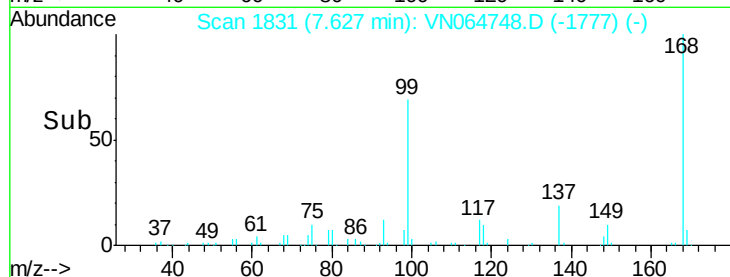


Abundance Ion 74.90 (74.60 to 75.60): VN064703.D (-1846) (-)

Ion 109.90 (109.60 to 110.60): VN064703.D (-1846) (-)

Ion 76.90 (76.60 to 77.60): VN064703.D (-1846) (-)

Time-->

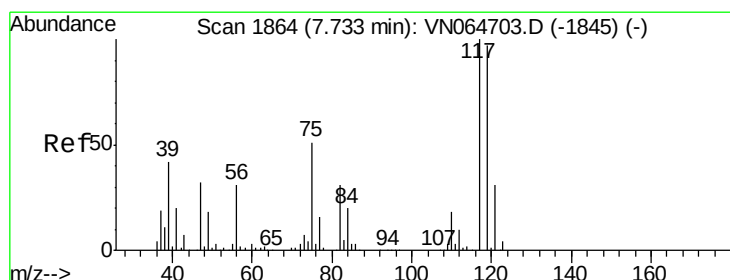


Abundance Ion 74.90 (74.60 to 75.60): VN064748.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN064748.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN064748.D (-1777) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.440 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN064748.D

Acq: 19 Nov 2020 21:14

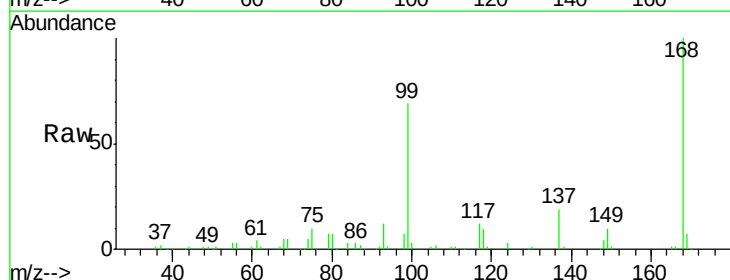
Tgt Ion: 117 Resp: 24193

Ion Ratio Lower Upper

117 100

119 6.8 77.8 116.6#

121 0.0 24.9 37.3#

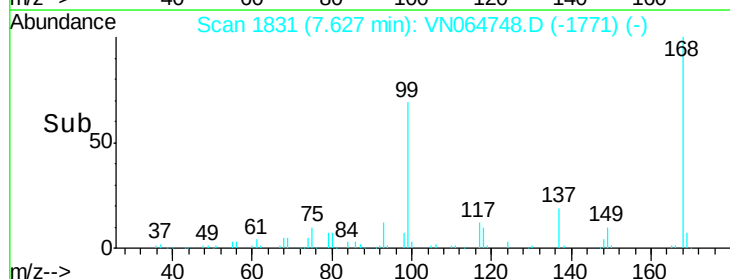


Abundance Ion 116.80 (116.50 to 117.50): VN064703.D (-1845) (-)

Ion 118.80 (118.50 to 119.50): VN064703.D (-1845) (-)

Ion 120.80 (120.50 to 121.50): VN064703.D (-1845) (-)

Time-->

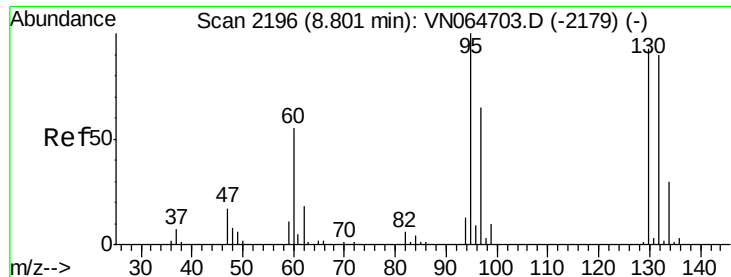


Abundance Ion 116.80 (116.50 to 117.50): VN064748.D (-1771) (-)

Ion 118.80 (118.50 to 119.50): VN064748.D (-1771) (-)

Ion 120.80 (120.50 to 121.50): VN064748.D (-1771) (-)

Time-->



#44

Trichloroethene

Concen: 0.832 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN064748.D

Acq: 19 Nov 2020 21:14

Instrument :

MSVOA_N

ClientSampleId :

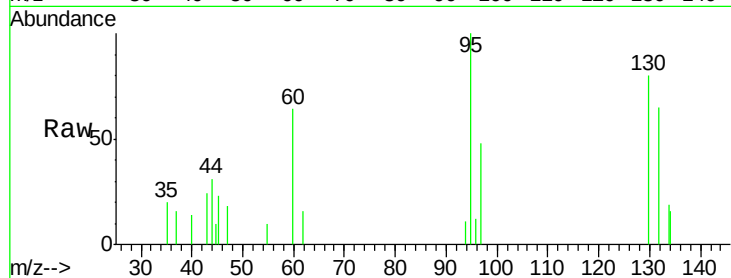
PB-2020-WW-000-04DL

Tot Ion:130 Resp: 2784

Ion Ratio Lower Upper

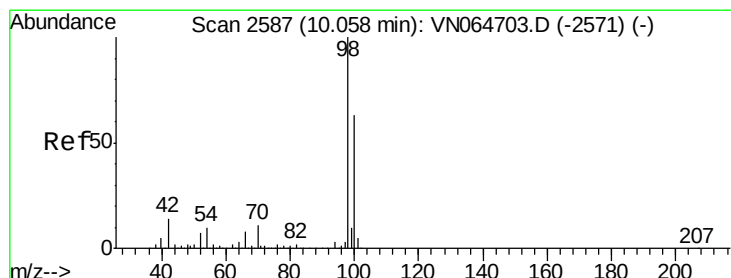
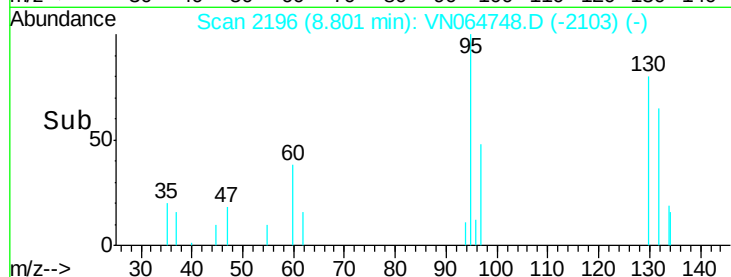
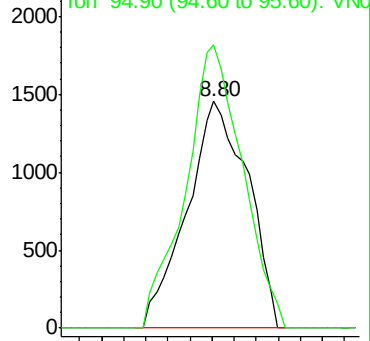
130 100

95 125.0 0.0 214.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 55.291 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064748.D

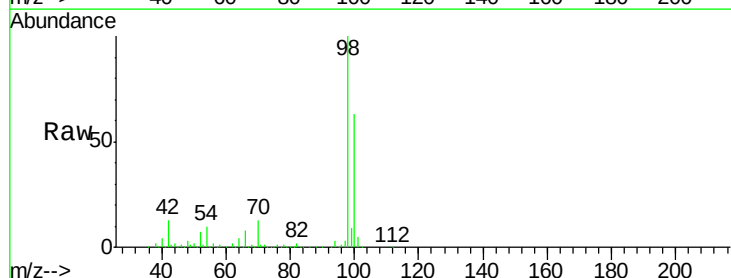
Acq: 19 Nov 2020 21:14

Tgt Ion: 98 Resp: 581730

Ion Ratio Lower Upper

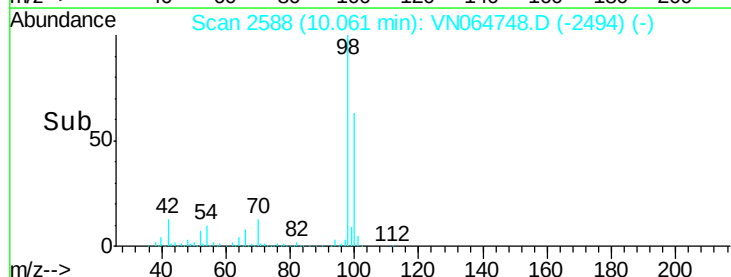
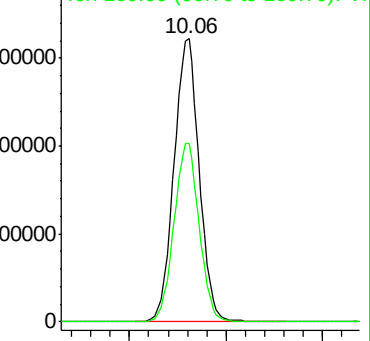
98 100

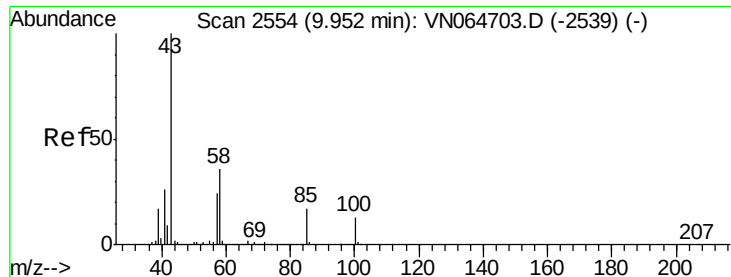
100 63.2 50.4 75.6



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 6.170 ug/l

RT: 9.96 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN064748.D

Acq: 19 Nov 2020 21:14

Instrument :

MSVOA_N

ClientSampleId :

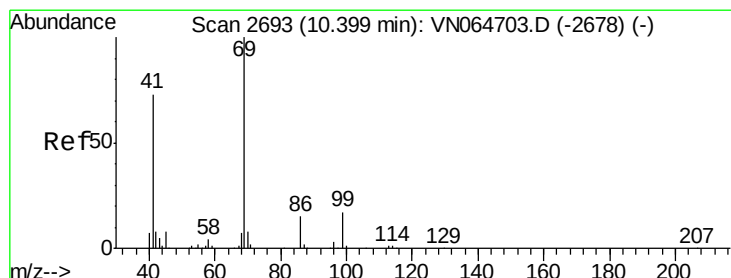
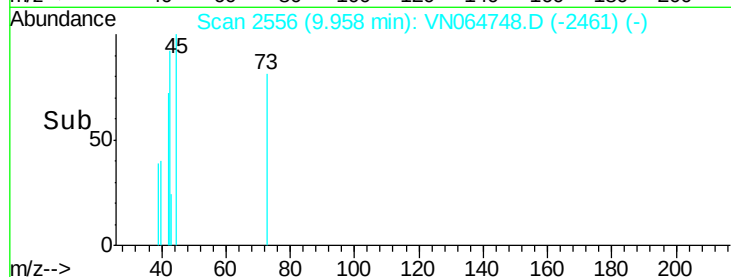
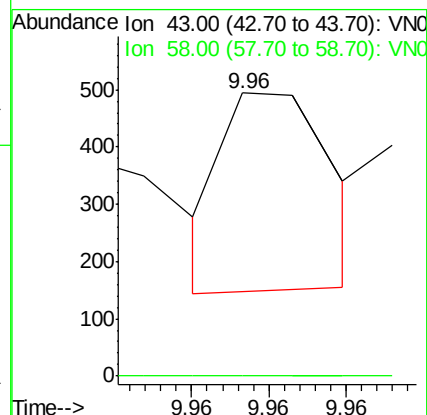
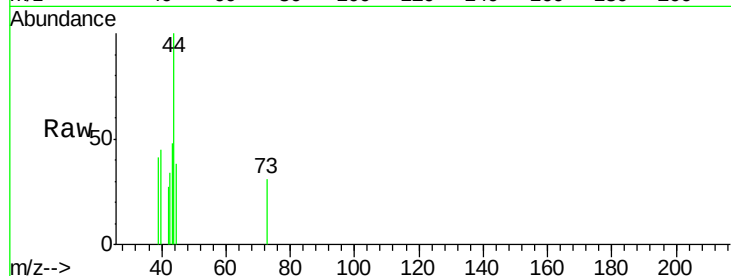
PB-2020-WW-000-04DL

Tot Ion: 43 Resp: 169

Ion Ratio Lower Upper

43 100

58 0.0 28.5 42.7#



#56

Ethyl methacrylate

Concen: 2.687 ug/l

RT: 10.27 min Scan# 2652

Delta R.T. -0.13 min

Lab File: VN064748.D

Acq: 19 Nov 2020 21:14

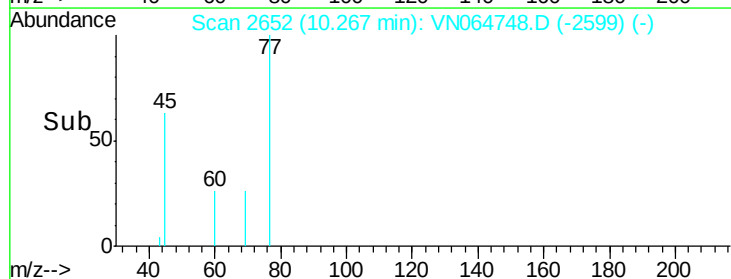
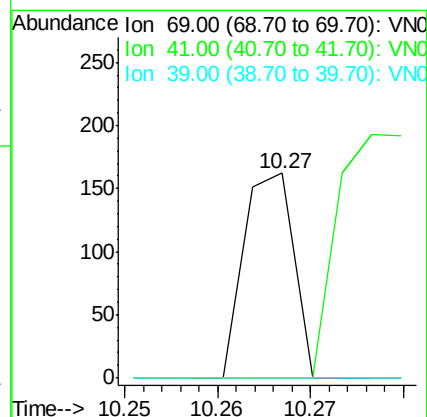
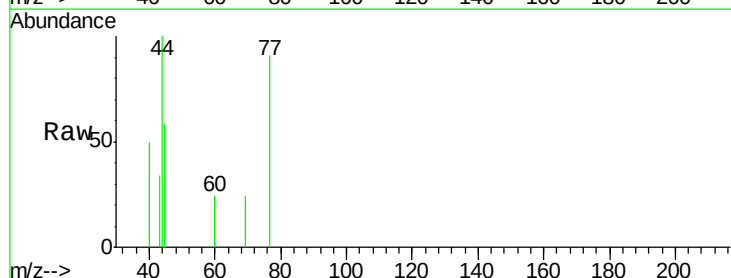
Tgt Ion: 69 Resp: 60

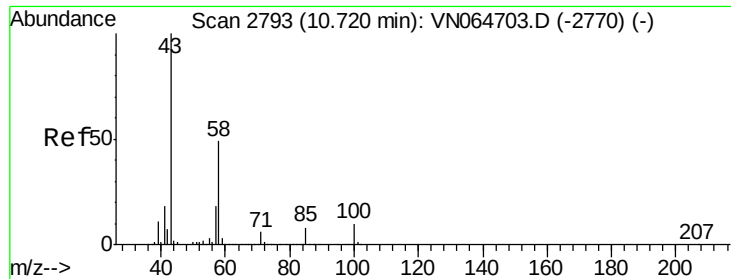
Ion Ratio Lower Upper

69 100

41 281.7 59.0 88.4#

39 0.0 38.4 57.6#

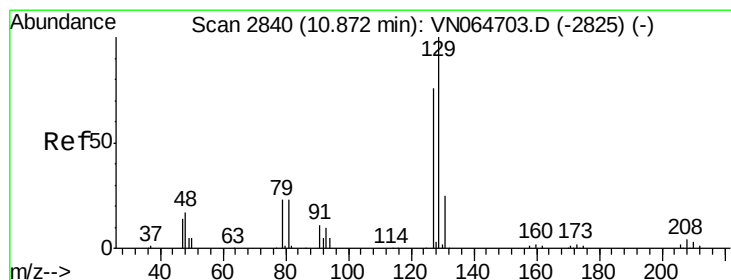
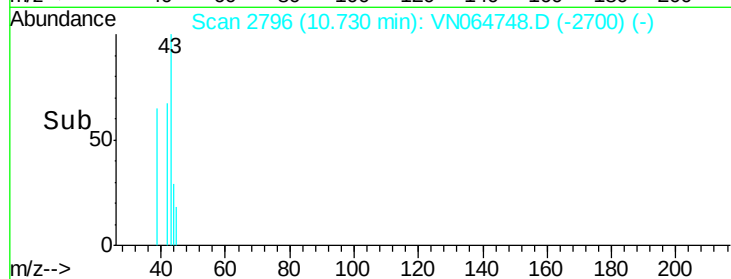
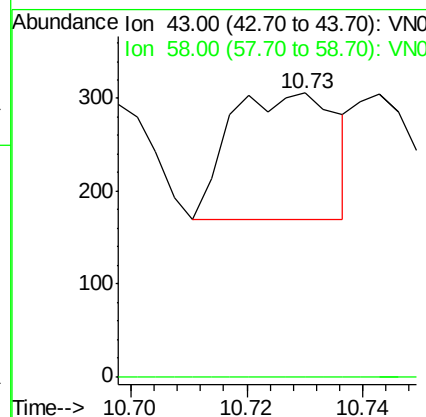
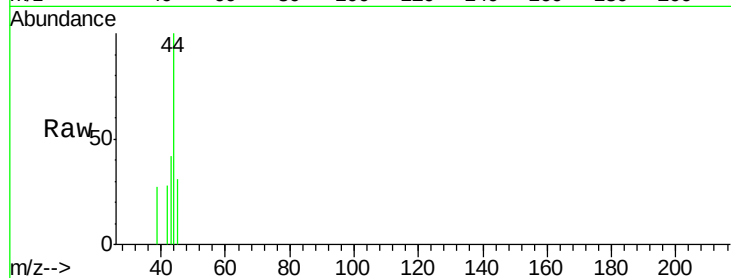




#59
2-Hexanone
Concen: 8.495 ug/l
RT: 10.73 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN064748.D
Acq: 19 Nov 2020 21:14

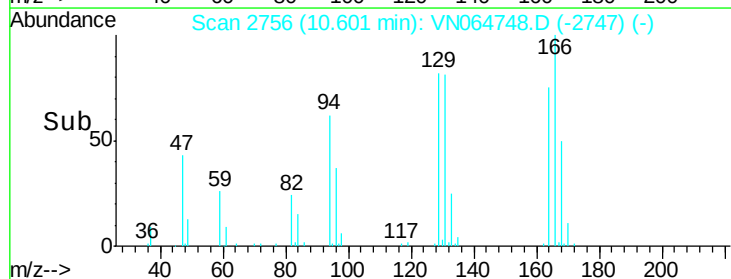
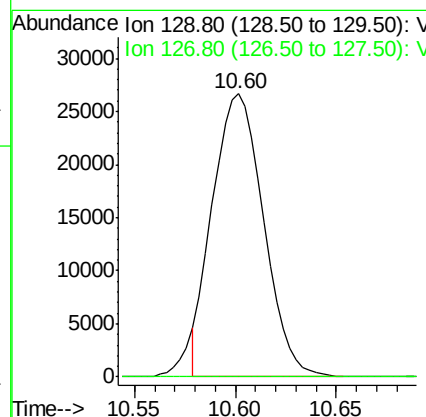
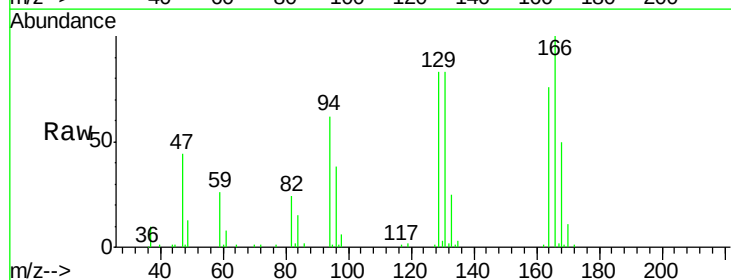
Instrument :
MSVOA_N
ClientSampleId :
PB-2020-WW-000-04DL

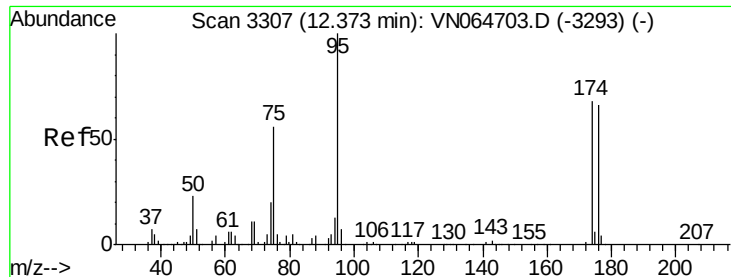
Tot Ion: 43 Resp: 174
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#



#60
Dibromochloromethane
Concen: 14.040 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.27 min
Lab File: VN064748.D
Acq: 19 Nov 2020 21:14

Tgt Ion: 129 Resp: 46721
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

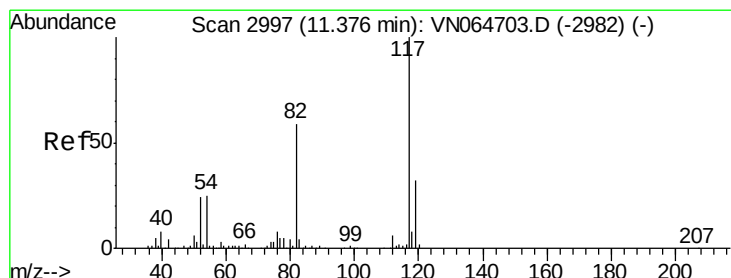
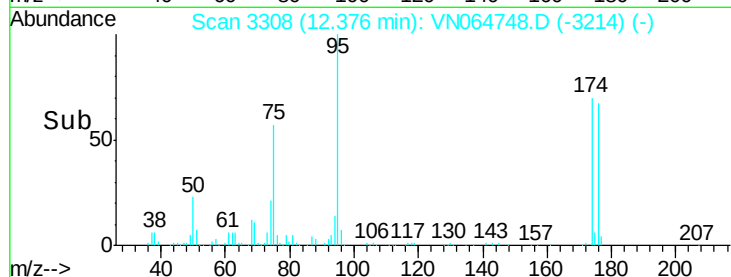
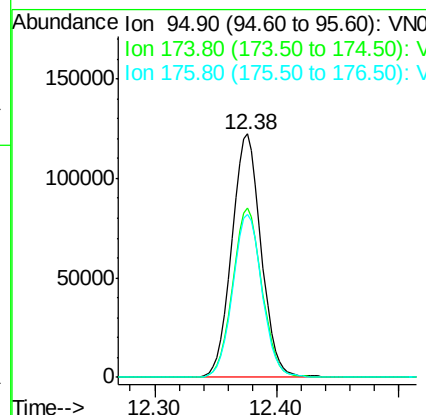
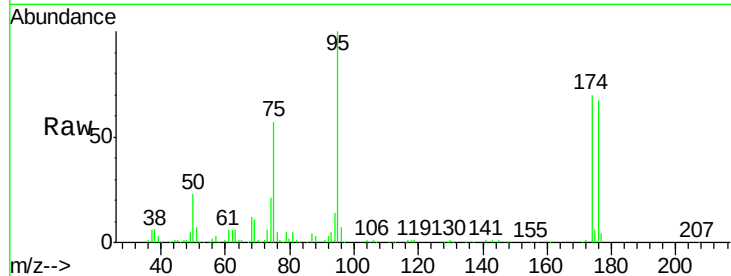




#62
4-Bromofluorobenzene
Concen: 52.356 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.00 min
Lab File: VN064748.D
Acq: 19 Nov 2020 21:14

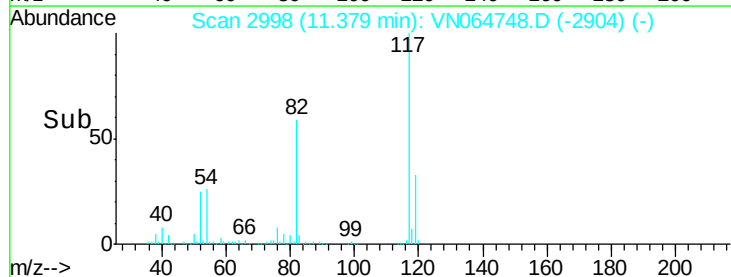
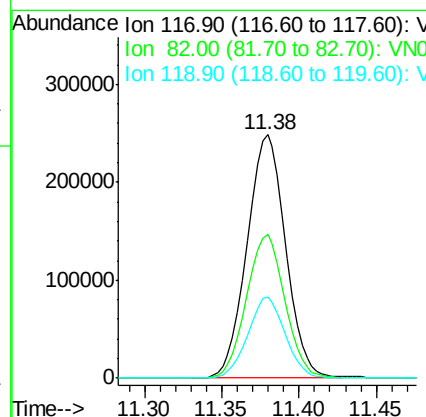
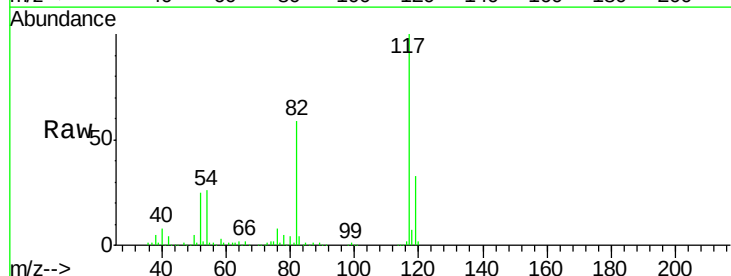
Instrument :
MSVOA_N
ClientSampleId :
PB-2020-WW-000-04DL

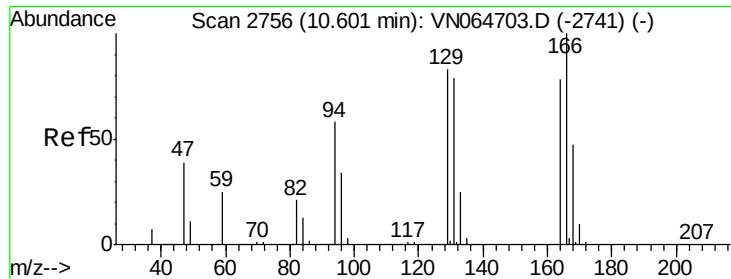
Tot Ion	95	Resp	205896
Ion Ratio	Lower	Upper	
95	100		
174	69.6	0.0	136.8
176	66.8	0.0	134.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064748.D
Acq: 19 Nov 2020 21:14

Tgt Ion	117	Resp	431374
Ion Ratio	Lower	Upper	
117	100		
82	59.0	47.0	70.6
119	33.4	25.4	38.2





#64

Tetrachloroethene

Concen: 11.848 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN064748.D

Acq: 19 Nov 2020 21:14

Instrument :

MSVOA_N

ClientSampleId :

PB-2020-WW-000-04DL

Tot Ion:164 Resp: 45310

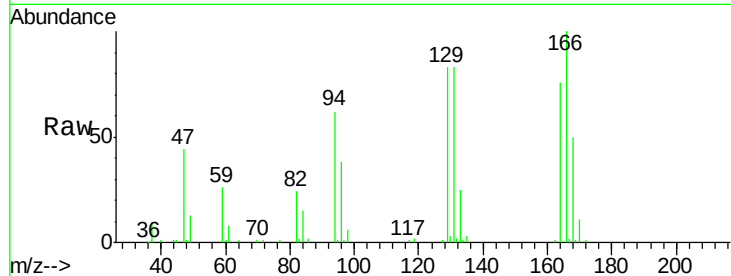
Ion Ratio Lower Upper

164 100

166 130.9 102.2 153.4

129 108.6 84.7 127.1

131 108.0 81.1 121.7

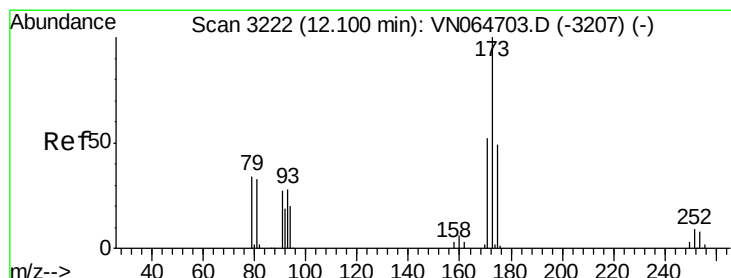
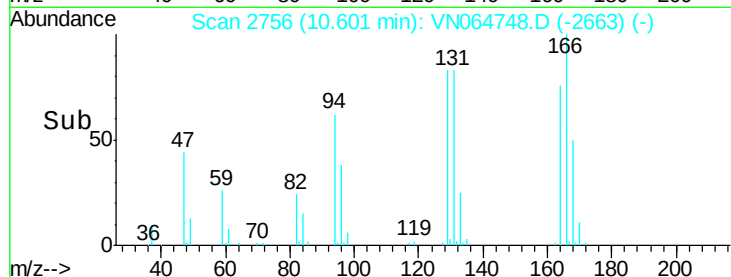
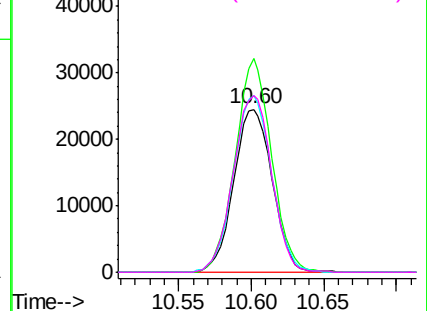


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#71

Bromoform

Concen: 2.514 ug/l

RT: 12.36 min Scan# 3303

Delta R.T. 0.26 min

Lab File: VN064748.D

Acq: 19 Nov 2020 21:14

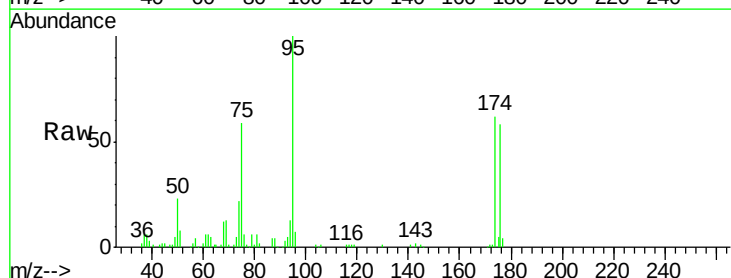
Tgt Ion:173 Resp: 188

Ion Ratio Lower Upper

173 100

175 5189.4 24.3 72.9#

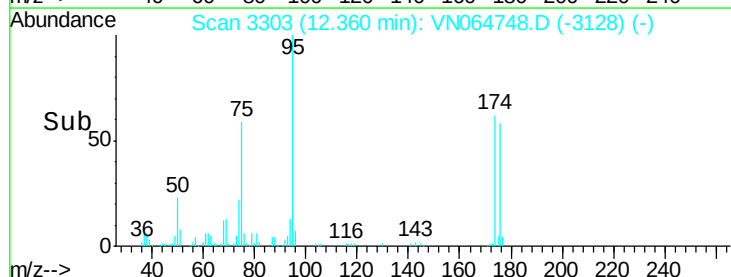
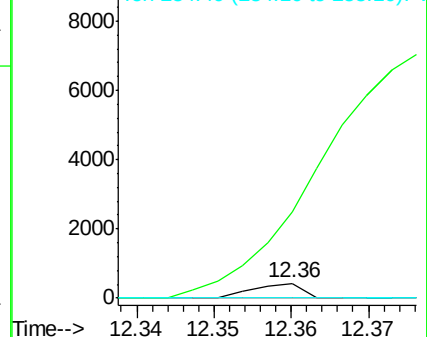
254 0.0 0.1 0.1#

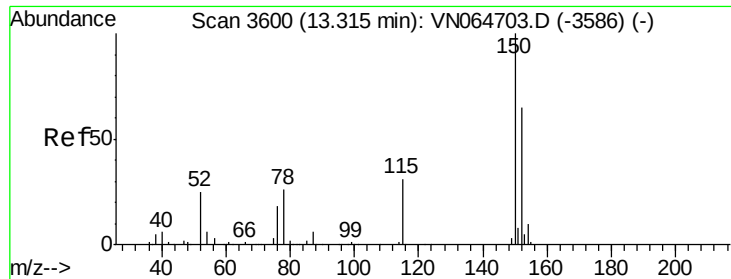


Abundance Ion 172.70 (172.40 to 173.40): V

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# 3600

Delta R.T. -0.00 min

Lab File: VN064748.D

Acq: 19 Nov 2020 21:14

Instrument :

MSVOA_N

ClientSampleId :

PB-2020-WW-000-04DL

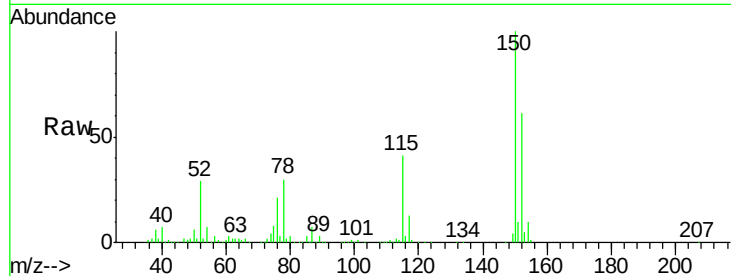
Tot Ion:152 Resp: 177582

Ion Ratio Lower Upper

152 100

115 66.9 32.1 96.3

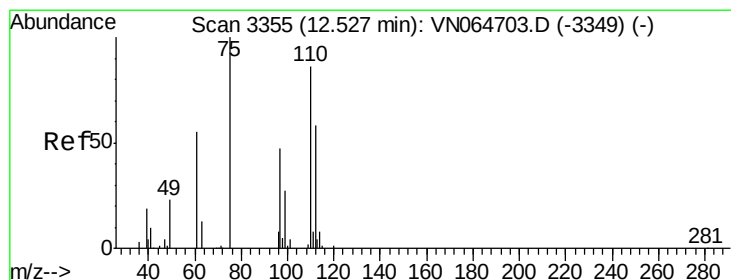
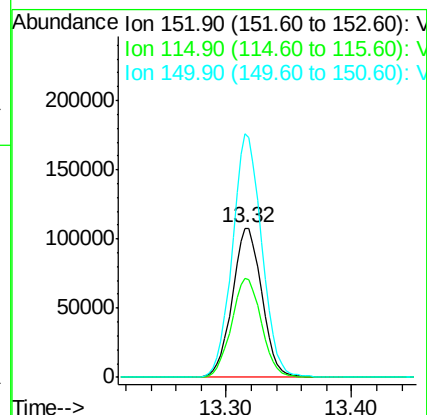
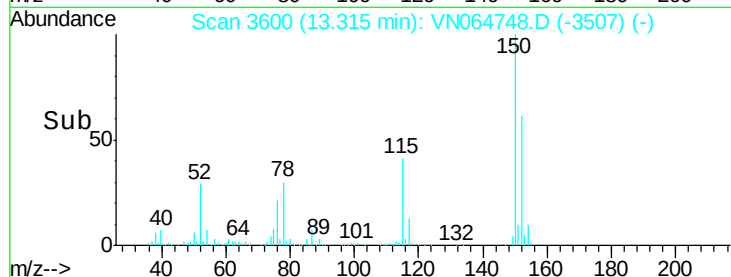
150 162.0 0.0 344.8



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: 30.890 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064748.D

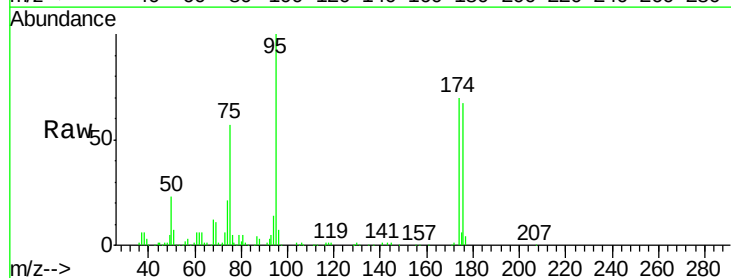
Acq: 19 Nov 2020 21:14

Tgt Ion: 75 Resp: 118192

Ion Ratio Lower Upper

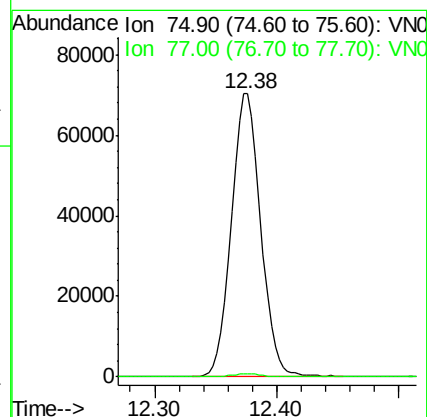
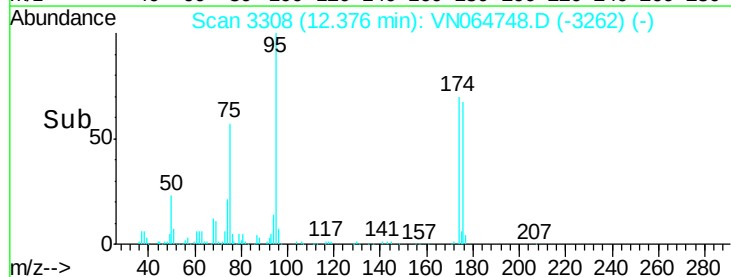
75 100

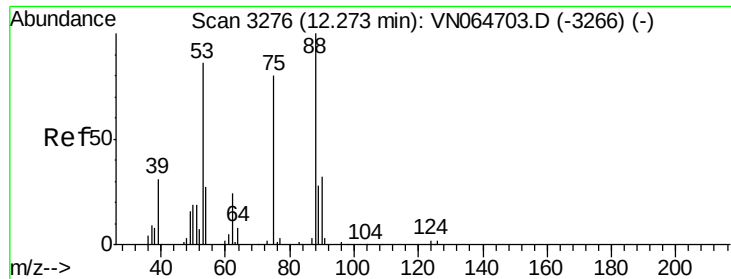
77 1.2 0.0 0.0#



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: 78.698 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN064748.D
 Acq: 19 Nov 2020 21:14

Instrument :
 MSVOA_N
 ClientSampleId :
 PB-2020-WW-000-04DL

Tot Ion: 75 Resp: 118192
 Ion Ratio Lower Upper
 75 100
 53 0.1 88.8 133.2#
 89 0.1 43.1 64.7#

