

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100820\
 Data File : VN064007.D
 Acq On : 8 Oct 2020 23:40
 Operator : JC/MD
 Sample : VN1008WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBL02

Quant Time: Oct 09 04:08:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	253650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	455387	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	467449	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	187308	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	209606	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
35) Dibromofluoromethane	7.55	113	153996	48.74	ug/l	0.00
Spiked Amount			Recovery	=	97.48%	
50) Toluene-d8	10.06	98	577294	48.19	ug/l	0.00
Spiked Amount			Recovery	=	96.38%	
62) 4-Bromofluorobenzene	12.38	95	224635	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	

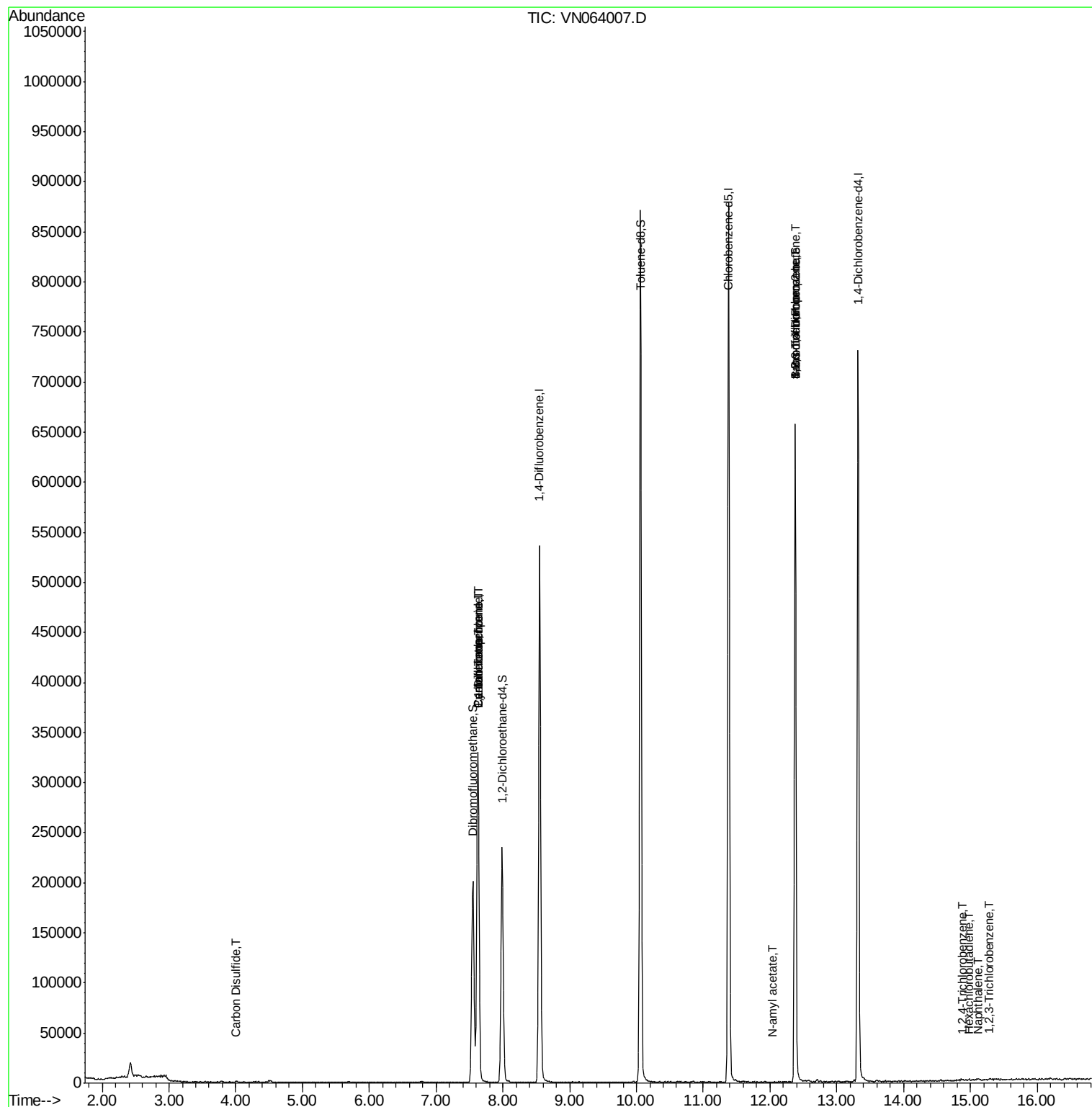
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
17) Carbon Disulfide	4.00	76	1801	0.958	ug/l #	76
31) Cyclohexane	7.62	56	6520	1.340	ug/l #	50
36) 1,1-Dichloropropene	7.63	75	22392	4.854	ug/l #	50
38) Carbon Tetrachloride	7.62	117	25653	4.959	ug/l #	15
71) Bromoform	12.37	173	606	0.216	ug/l #	30
74) N-amyl acetate	12.04	43	181	2.243	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	119427	28.924	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	119427	83.305	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.88	180	148	1.780	ug/l #	14
94) Hexachlorobutadiene	14.99	225	376	0.297	ug/l #	60
95) Naphthalene	15.11	128	1483	2.065	ug/l #	86
96) 1,2,3-Trichlorobenzene	15.29	180	253	1.645	ug/l #	59

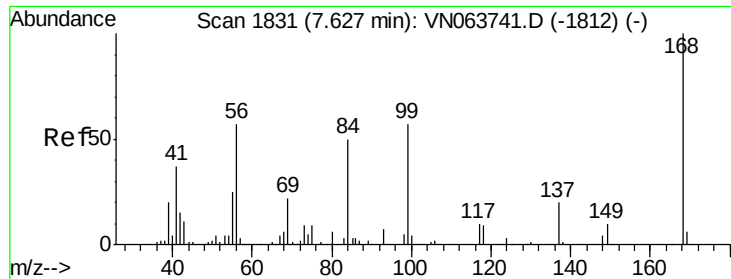
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN064007.D

Acq: 8 Oct 2020 23:40

Instrument :

MSVOA_N

ClientSampleId :

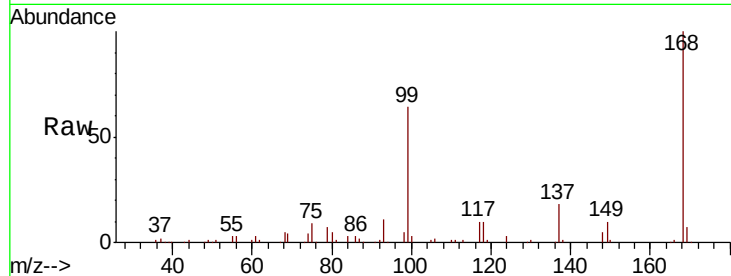
VN1008WBL02

Tot Ion:168 Resp: 253650

Ion Ratio Lower Upper

168 100

99 63.7 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): VN063741.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN063741.D (-1812) (-)

7.63

120000

100000

80000

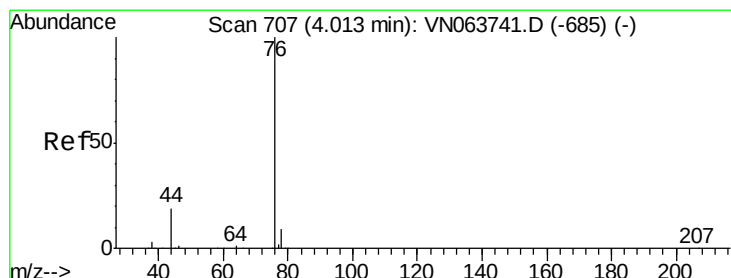
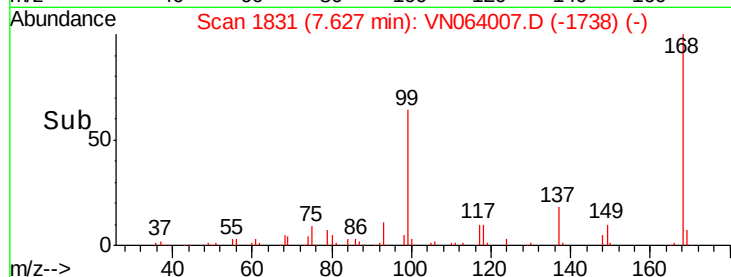
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#17

Carbon Disulfide

Concen: 0.958 ug/l

RT: 4.00 min Scan# 704

Delta R.T. -0.01 min

Lab File: VN064007.D

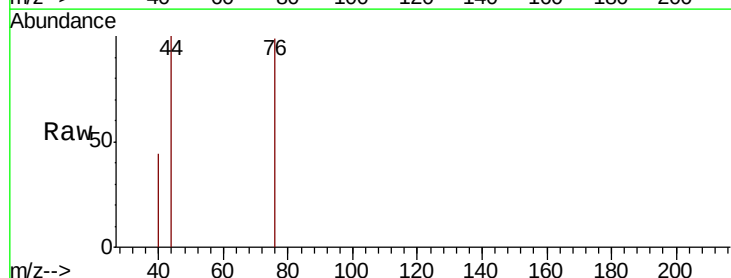
Acq: 8 Oct 2020 23:40

Tgt Ion: 76 Resp: 1801

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#



Abundance Ion 75.90 (75.60 to 76.60): VN063741.D (-685) (-)

Ion 77.90 (77.60 to 78.60): VN063741.D (-685) (-)

4.00

800

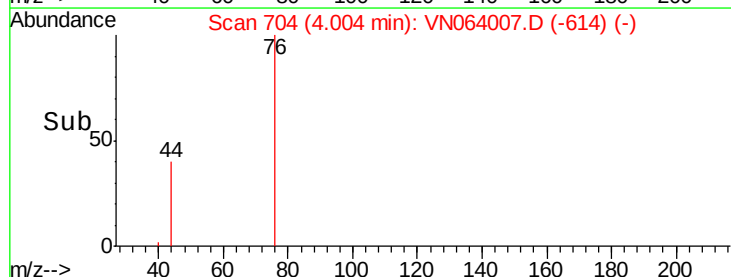
600

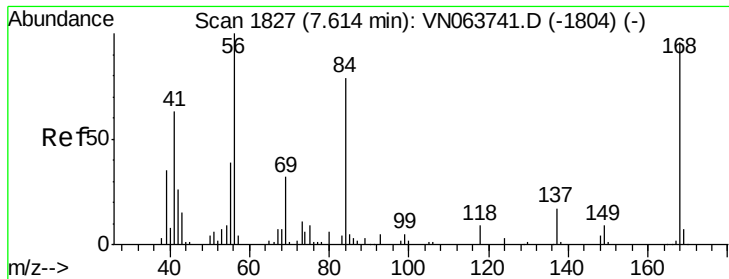
400

200

0

Time--> 3.95 4.00 4.05

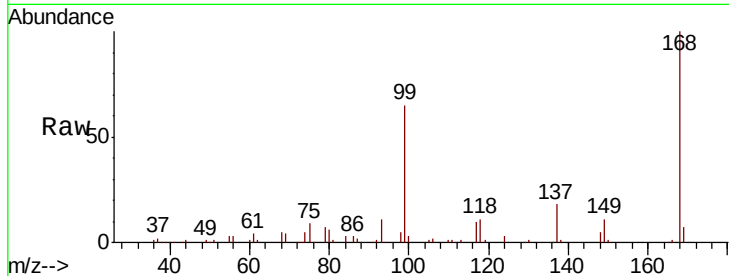




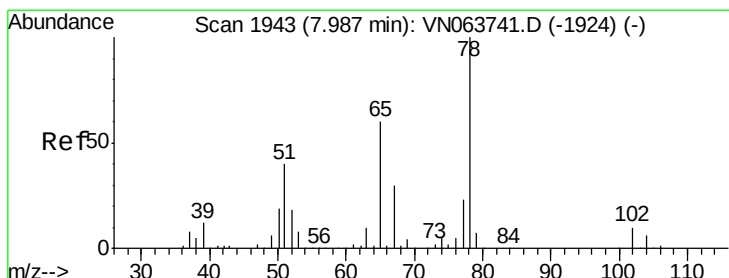
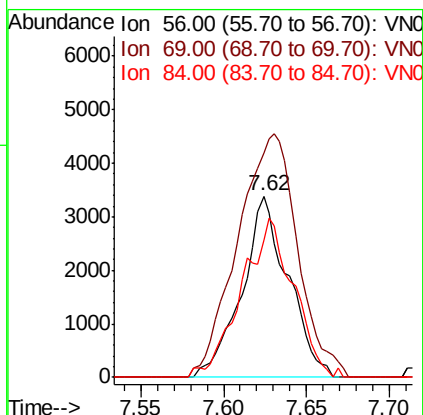
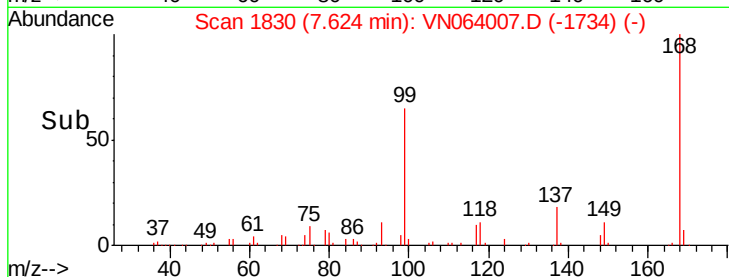
#31
Cyclohexane
Concen: 1.340 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN064007.D
Acq: 8 Oct 2020 23:40

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBL02

Tot Ion: 56 Resp: 6520
Ion Ratio Lower Upper
56 100
69 123.6 25.4 38.2#
84 75.5 63.3 94.9

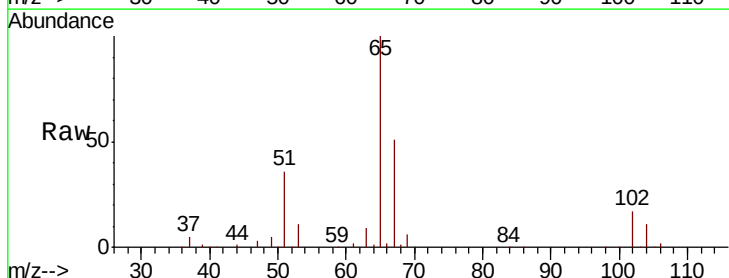


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

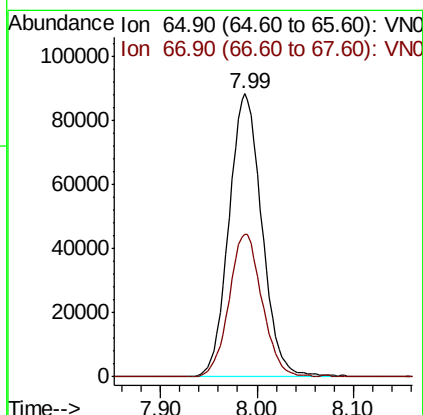
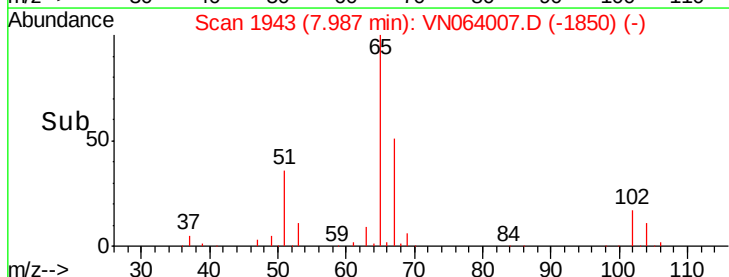


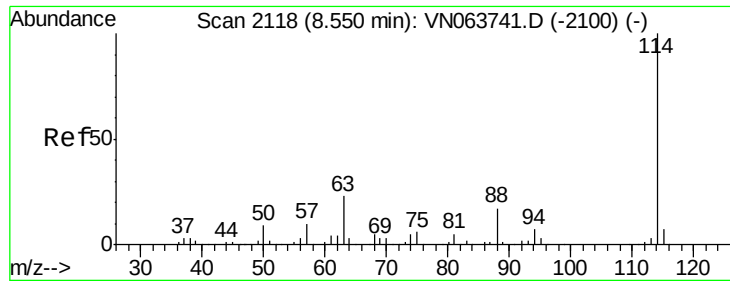
#33
1,2-Dichloroethane-d4
Concen: 50.020 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN064007.D
Acq: 8 Oct 2020 23:40

Tgt Ion: 65 Resp: 209606
Ion Ratio Lower Upper
65 100
67 50.4 0.0 99.6



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

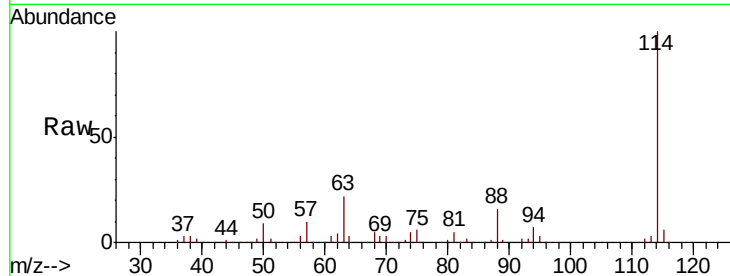




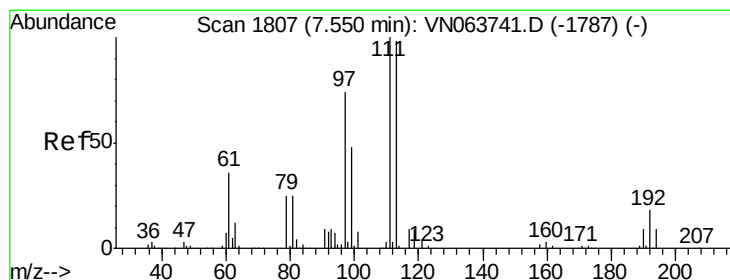
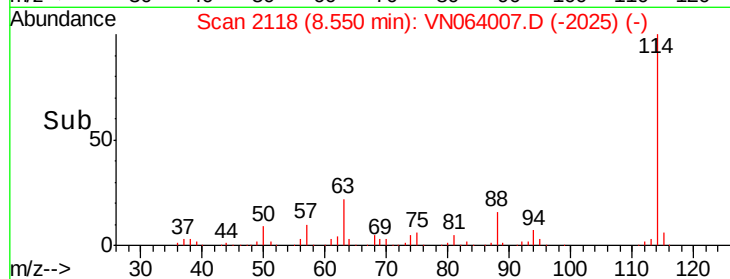
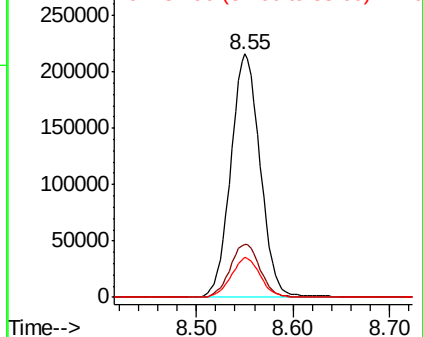
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VN064007.D
Acq: 8 Oct 2020 23:40

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBL02

Tot Ion:114 Resp: 455387
Ion Ratio Lower Upper
114 100
63 21.8 0.0 45.0
88 16.3 0.0 34.0

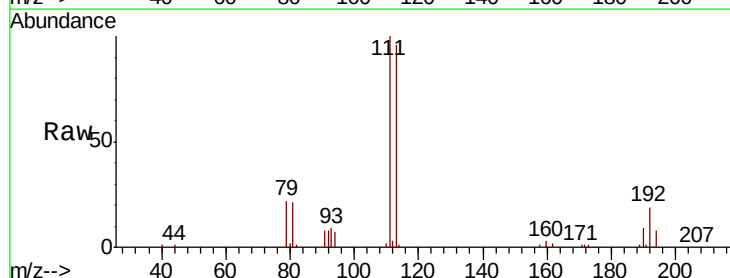


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

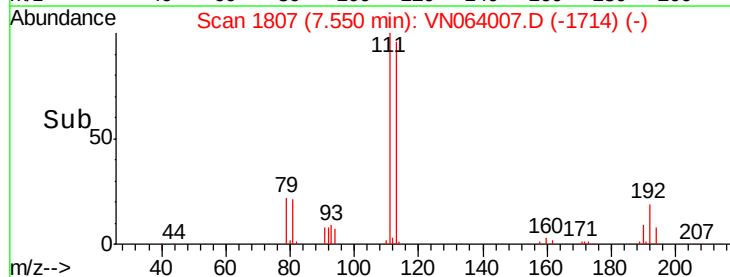
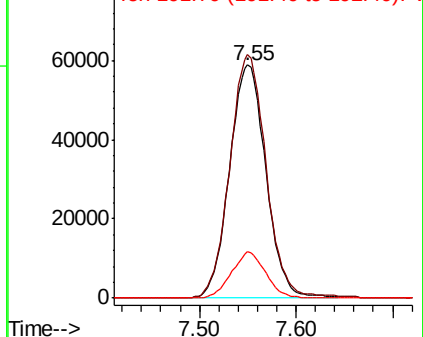


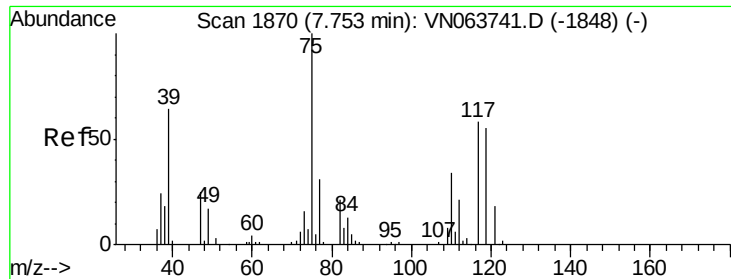
#35
Dibromofluoromethane
Concen: 48.736 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN064007.D
Acq: 8 Oct 2020 23:40

Tgt Ion:113 Resp: 153996
Ion Ratio Lower Upper
113 100
111 103.5 81.8 122.8
192 18.7 14.2 21.2



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

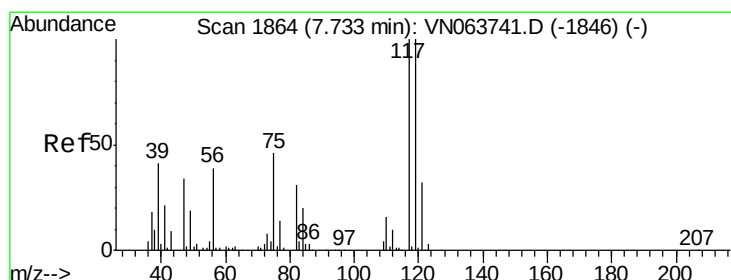
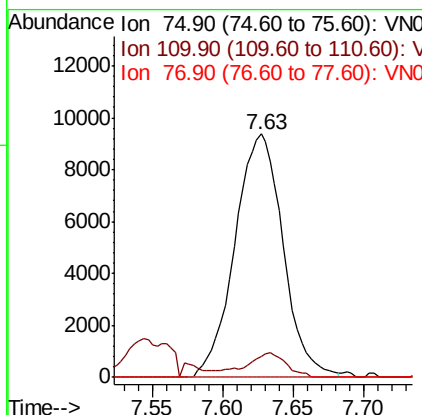
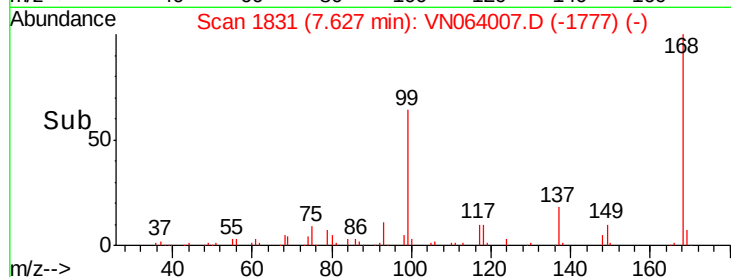
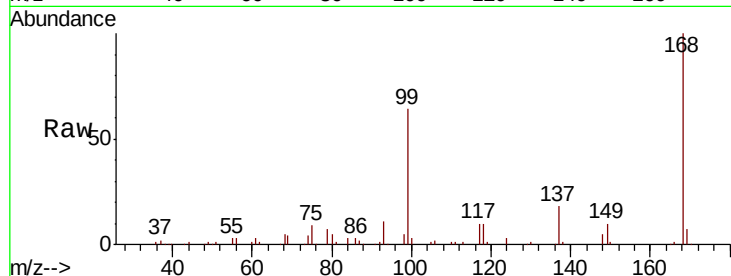




#36
 1,1-Dichloropropene
 Concen: 4.854 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN064007.D
 Acq: 8 Oct 2020 23:40

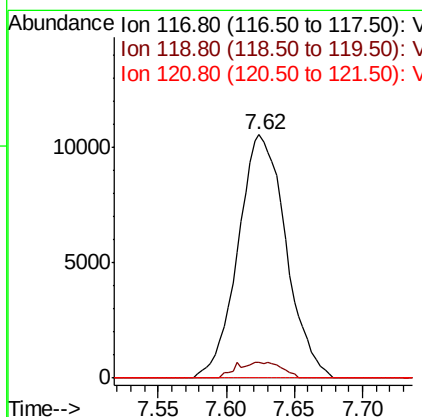
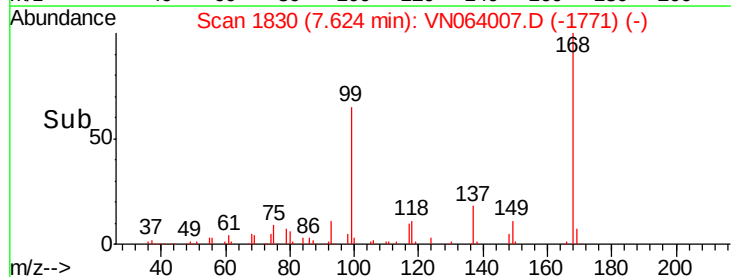
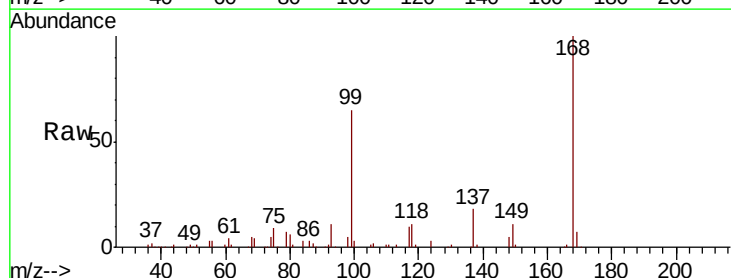
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBL02

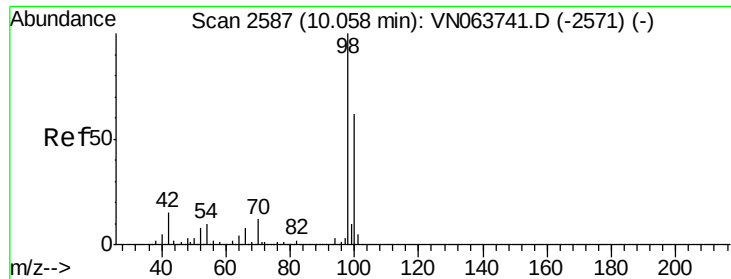
Tot Ion: 75 Resp: 22392
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.9 50.6#
 77 0.0 24.5 36.7#



#38
 Carbon Tetrachloride
 Concen: 4.959 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.11 min
 Lab File: VN064007.D
 Acq: 8 Oct 2020 23:40

Tgt Ion: 117 Resp: 25653
 Ion Ratio Lower Upper
 117 100
 119 6.4 80.1 120.1#
 121 0.0 25.7 38.5#





#50

Toluene-d8

Concen: 48.194 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN064007.D

Acq: 8 Oct 2020 23:40

Instrument :

MSVOA_N

ClientSampleId :

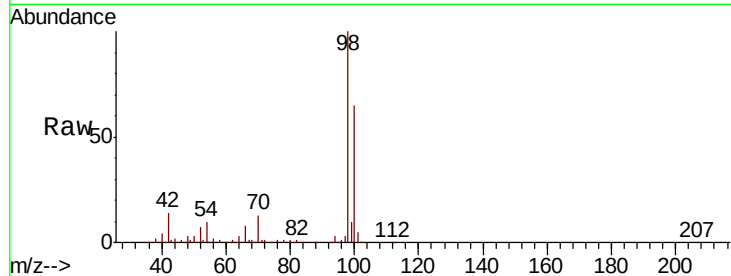
VN1008WBL02

Tot Ion: 98 Resp: 577294

Ion Ratio Lower Upper

98 100

100 64.2 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN063741.D (-2571) (-)

Ion 100.00 (99.70 to 100.70): VN063741.D (-2571) (-)

10.06

300000

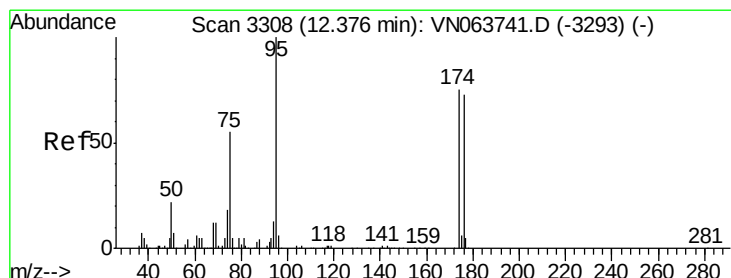
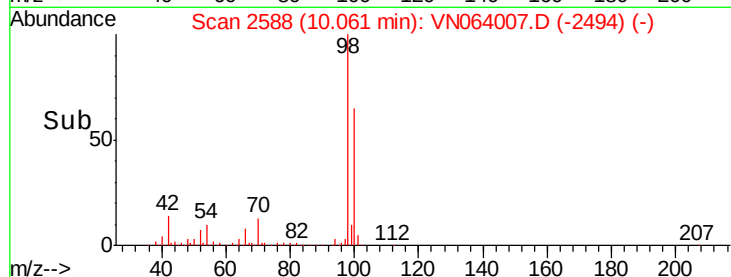
200000

100000

0

Time-->

10.00 10.10 10.20



#62

4-Bromofluorobenzene

Concen: 49.887 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN064007.D

Acq: 8 Oct 2020 23:40

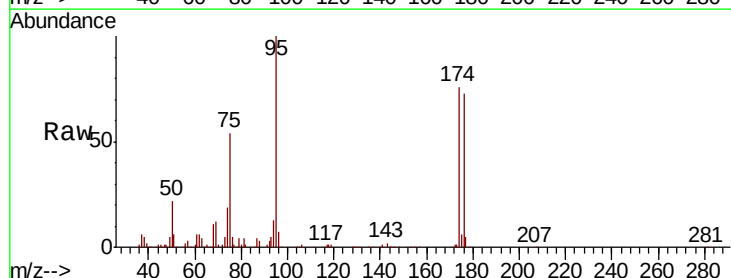
Tgt Ion: 95 Resp: 224635

Ion Ratio Lower Upper

95 100

174 76.2 0.0 150.6

176 73.1 0.0 145.4



Abundance Ion 94.90 (94.60 to 95.60): VN063741.D (-3293) (-)

Ion 173.80 (173.50 to 174.50): VN063741.D (-3293) (-)

Ion 175.80 (175.50 to 176.50): VN063741.D (-3293) (-)

12.38

150000

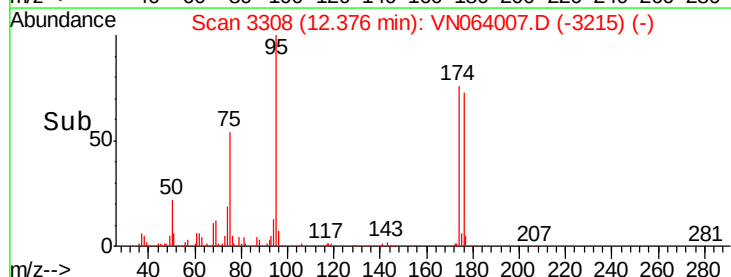
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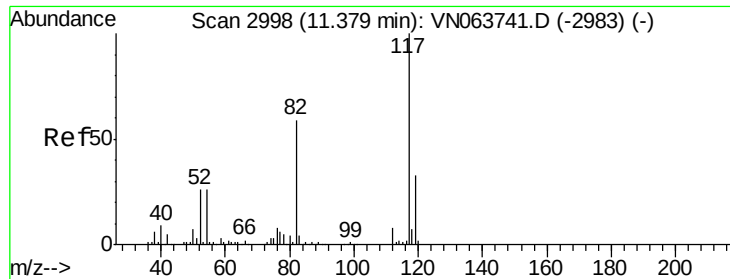
50000

0

Time-->

12.30 12.40 12.50

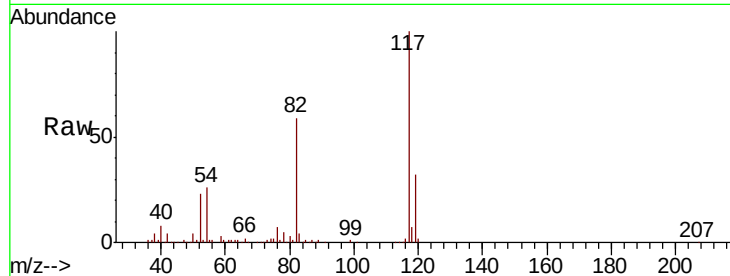




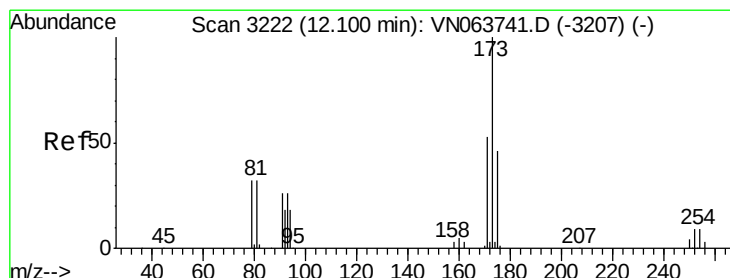
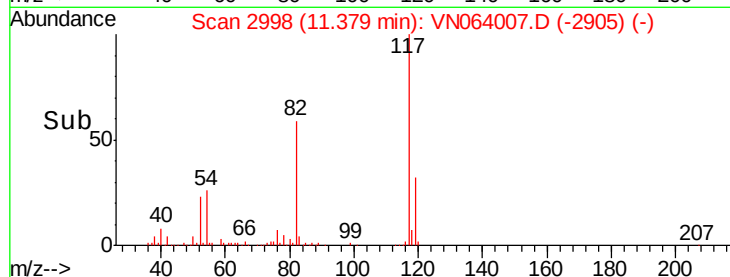
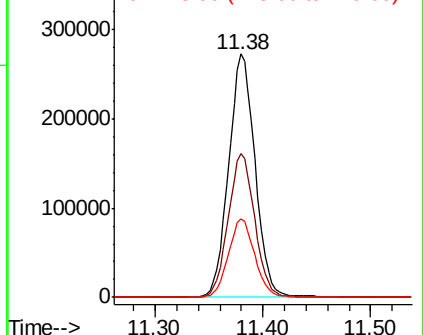
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064007.D
Acq: 8 Oct 2020 23:40

Instrument :
MSVOA_N
ClientSampleId :
VN1008WBL02

Tot Ion:117 Resp: 467449
Ion Ratio Lower Upper
117 100
82 58.9 47.4 71.2
119 32.2 26.4 39.6

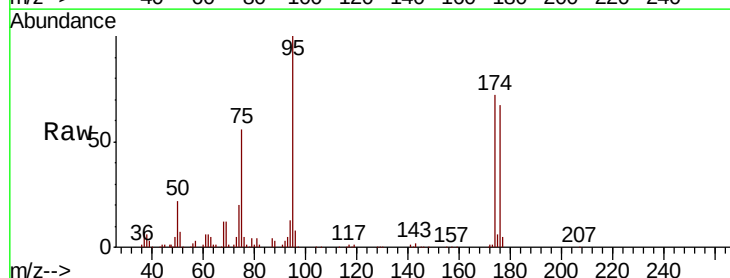


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

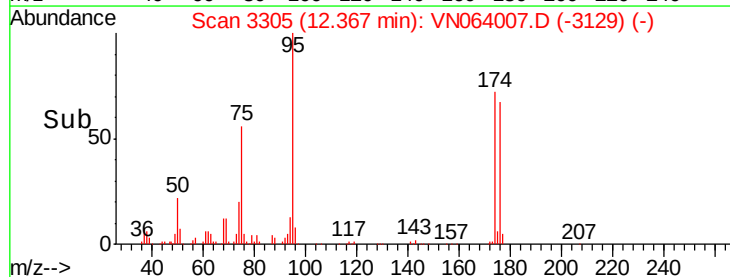
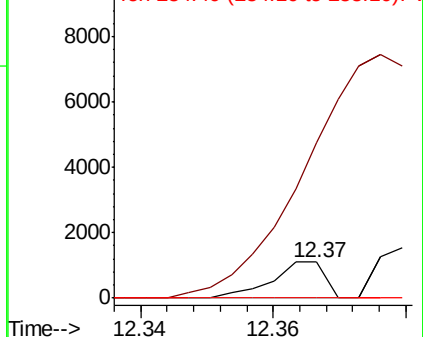


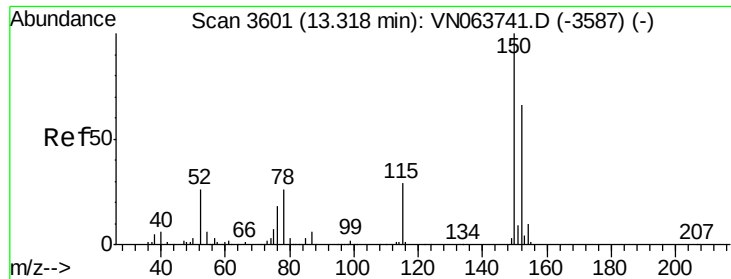
#71
Bromoform
Concen: 0.216 ug/l
RT: 12.37 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN064007.D
Acq: 8 Oct 2020 23:40

Tgt Ion:173 Resp: 606
Ion Ratio Lower Upper
173 100
175 0.0 23.5 70.5#
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

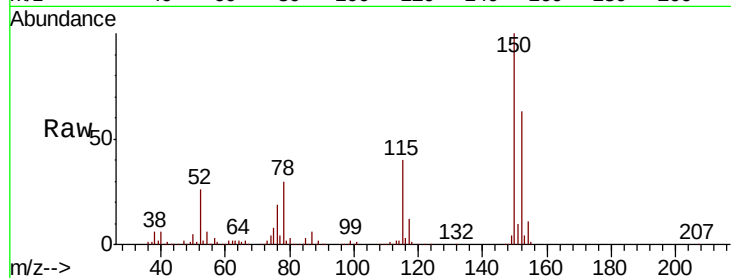




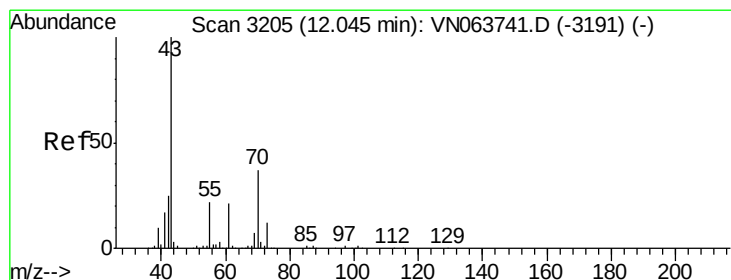
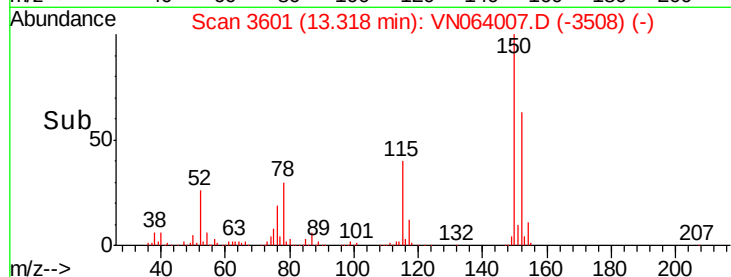
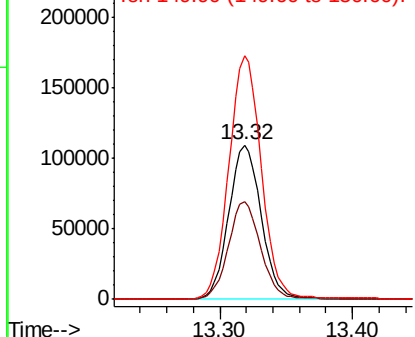
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VN064007.D
 Acq: 8 Oct 2020 23:40

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1008WBL02

Tot Ion:152 Resp: 187308
 Ion Ratio Lower Upper
 152 100
 115 62.5 31.3 93.8
 150 158.8 0.0 341.8

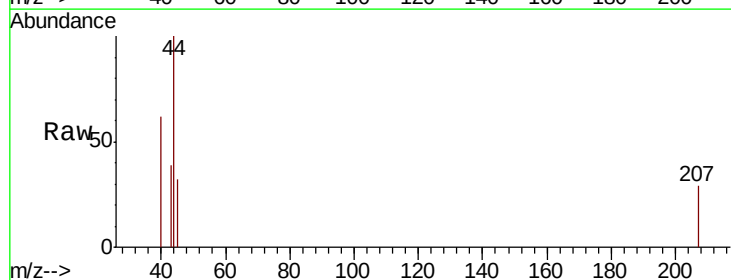


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

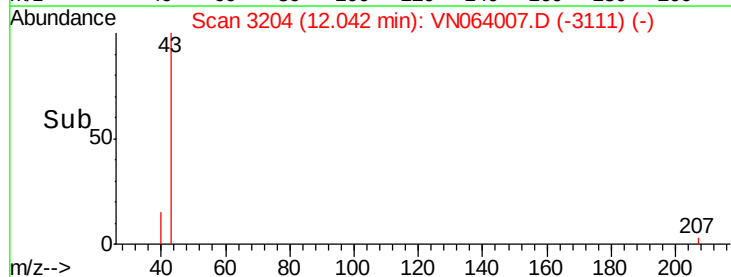
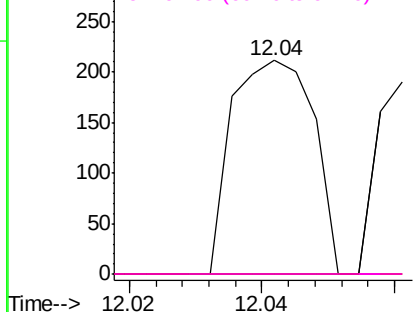


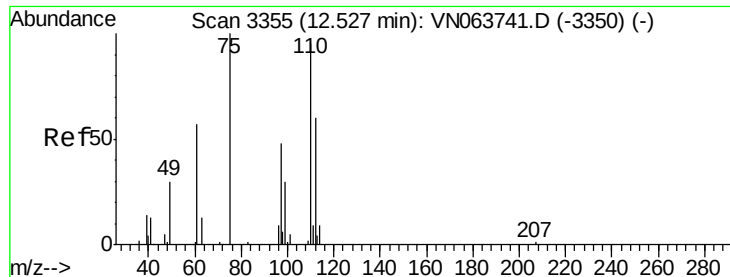
#74
 N-ethyl acetate
 Concen: 2.243 ug/l
 RT: 12.04 min Scan# 3204
 Delta R.T. -0.00 min
 Lab File: VN064007.D
 Acq: 8 Oct 2020 23:40

Tgt Ion: 43 Resp: 181
 Ion Ratio Lower Upper
 43 100
 70 0.0 29.8 44.8#
 55 0.0 17.9 26.9#
 61 0.0 17.0 25.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 70.00 (69.70 to 70.70): VN0
 Ion 55.00 (54.70 to 55.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0





#76

1,2,3-Trichloropropane

Concen: 28.924 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN064007.D

Acq: 8 Oct 2020 23:40

Instrument :

MSVOA_N

ClientSampleId :

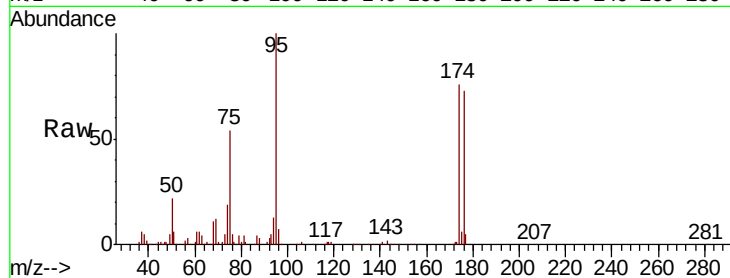
VN1008WBL02

Tot Ion: 75 Resp: 119427

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.38

80000

60000

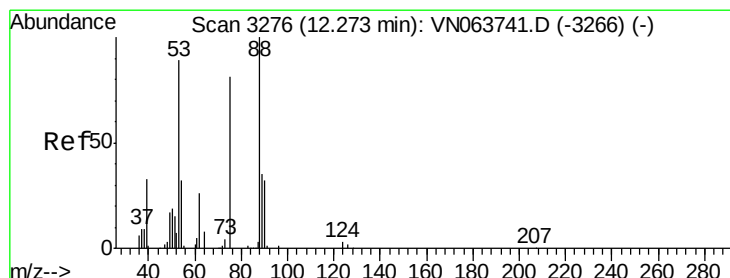
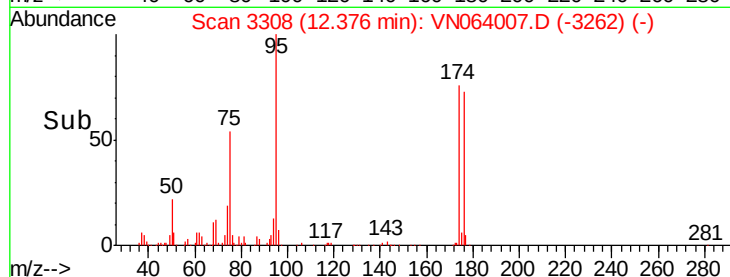
40000

20000

0

Time-->

12.30 12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 83.305 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN064007.D

Acq: 8 Oct 2020 23:40

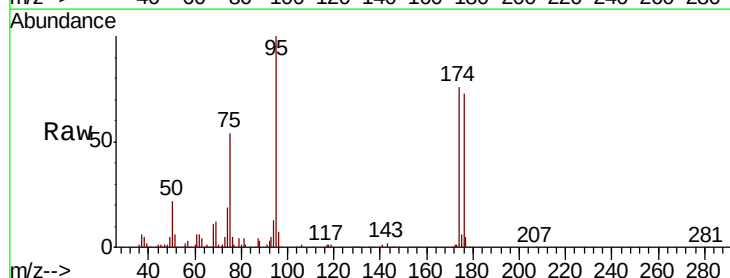
Tgt Ion: 75 Resp: 119427

Ion Ratio Lower Upper

75 100

53 0.0 88.2 132.2#

89 0.0 36.0 54.0#



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

12.38

80000

60000

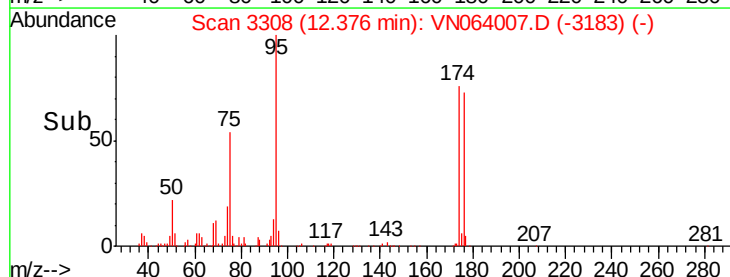
40000

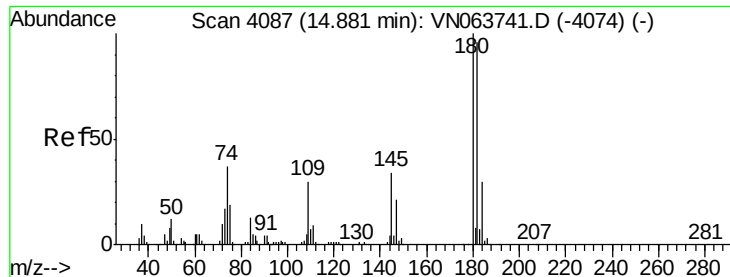
20000

0

Time-->

12.30 12.35 12.40 12.45





#93

1,2,4-Trichlorobenzene

Concen: 1.780 ug/l

RT: 14.88 min Scan# 4088

Delta R.T. 0.00 min

Lab File: VN064007.D

Acq: 8 Oct 2020 23:40

Instrument :

MSVOA_N

ClientSampled :

VN1008WBL02

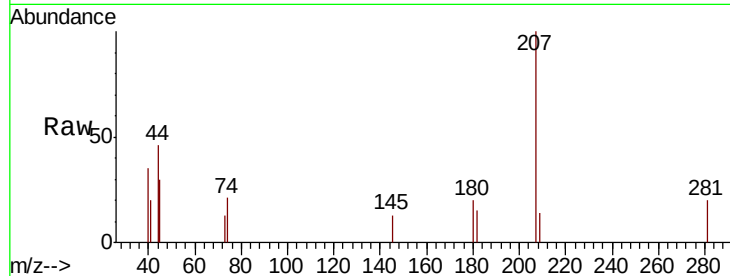
Tot Ion:180 Resp: 148

Ion Ratio Lower Upper

180 100

182 202.7 48.2 144.6#

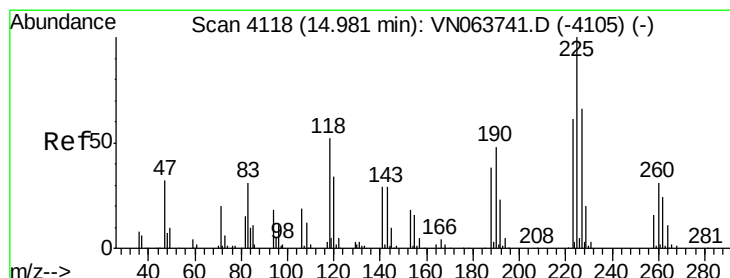
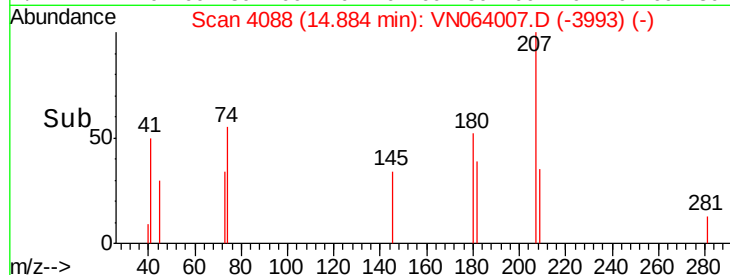
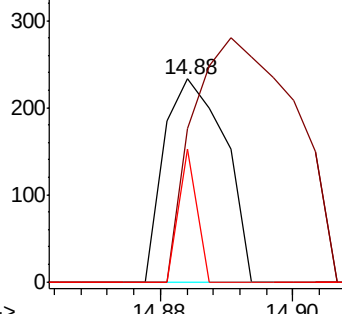
145 20.3 17.1 51.2



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: 0.297 ug/l

RT: 14.99 min Scan# 4120

Delta R.T. 0.01 min

Lab File: VN064007.D

Acq: 8 Oct 2020 23:40

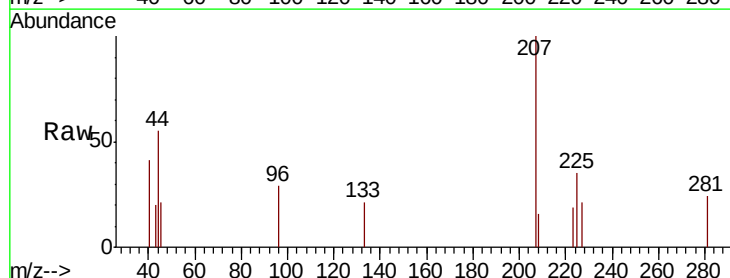
Tgt Ion:225 Resp: 376

Ion Ratio Lower Upper

225 100

223 34.0 30.3 91.0

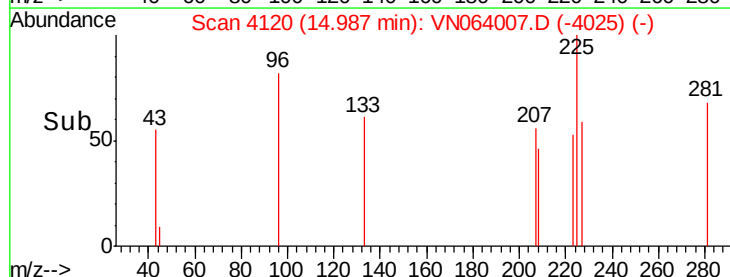
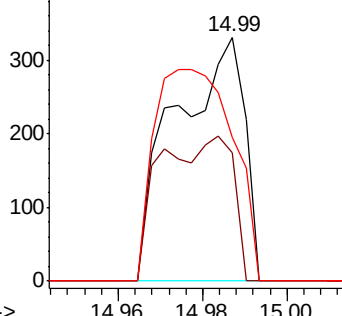
227 98.9 31.9 95.5#

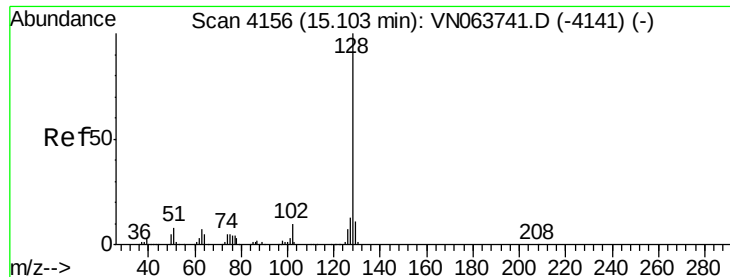


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 2.065 ug/l

RT: 15.11 min Scan# 4159

Delta R.T. 0.01 min

Lab File: VN064007.D

Acq: 8 Oct 2020 23:40

Instrument :

MSVOA_N

ClientSampled :

VN1008WBL02

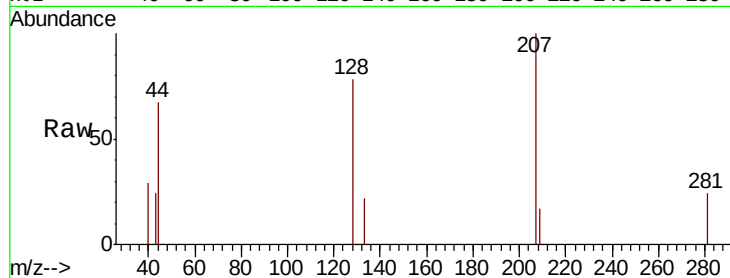
Tot Ion:128 Resp: 1483

Ion Ratio Lower Upper

128 100

127 12.2 10.5 15.7

129 0.0 8.7 13.1#

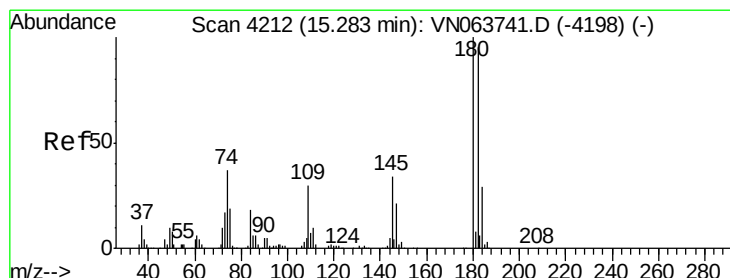
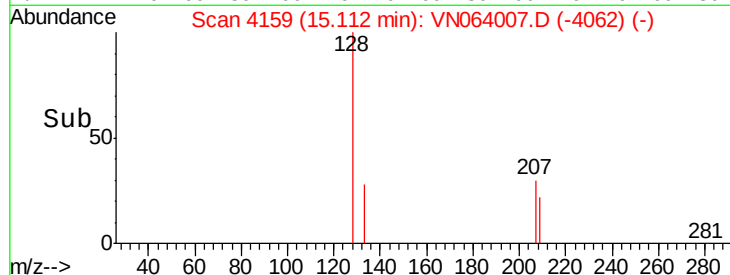
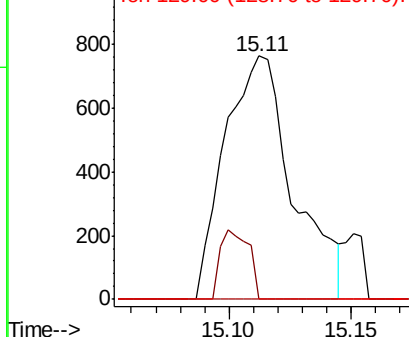


Abundance

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



#96

1,2,3-Trichlorobenzene

Concen: 1.645 ug/l

RT: 15.29 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN064007.D

Acq: 8 Oct 2020 23:40

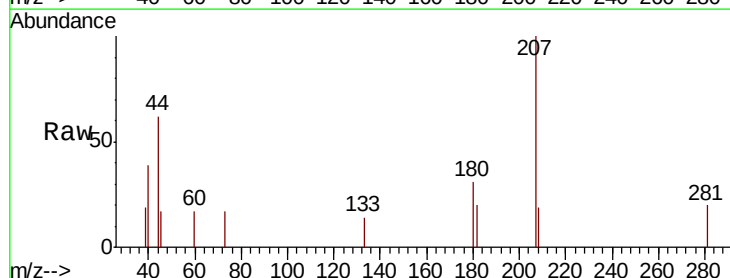
Tgt Ion:180 Resp: 253

Ion Ratio Lower Upper

180 100

182 61.7 47.9 143.6

145 0.0 17.2 51.5#



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

