

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100720\
 Data File : VN063961.D
 Acq On : 8 Oct 2020 00:06
 Operator : JC/MD
 Sample : VN1007WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBL02

Quant Time: Oct 08 05:07:50 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	241314	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	436863	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	452513	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	181172	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	201467	50.54	ug/l	0.00
Spiked Amount			Recovery	=	101.08%	
35) Dibromofluoromethane	7.55	113	151681	50.04	ug/l	0.00
Spiked Amount			Recovery	=	100.08%	
50) Toluene-d8	10.06	98	558407	48.59	ug/l	0.00
Spiked Amount			Recovery	=	97.18%	
62) 4-Bromofluorobenzene	12.38	95	214117	49.57	ug/l	0.00
Spiked Amount			Recovery	=	99.14%	

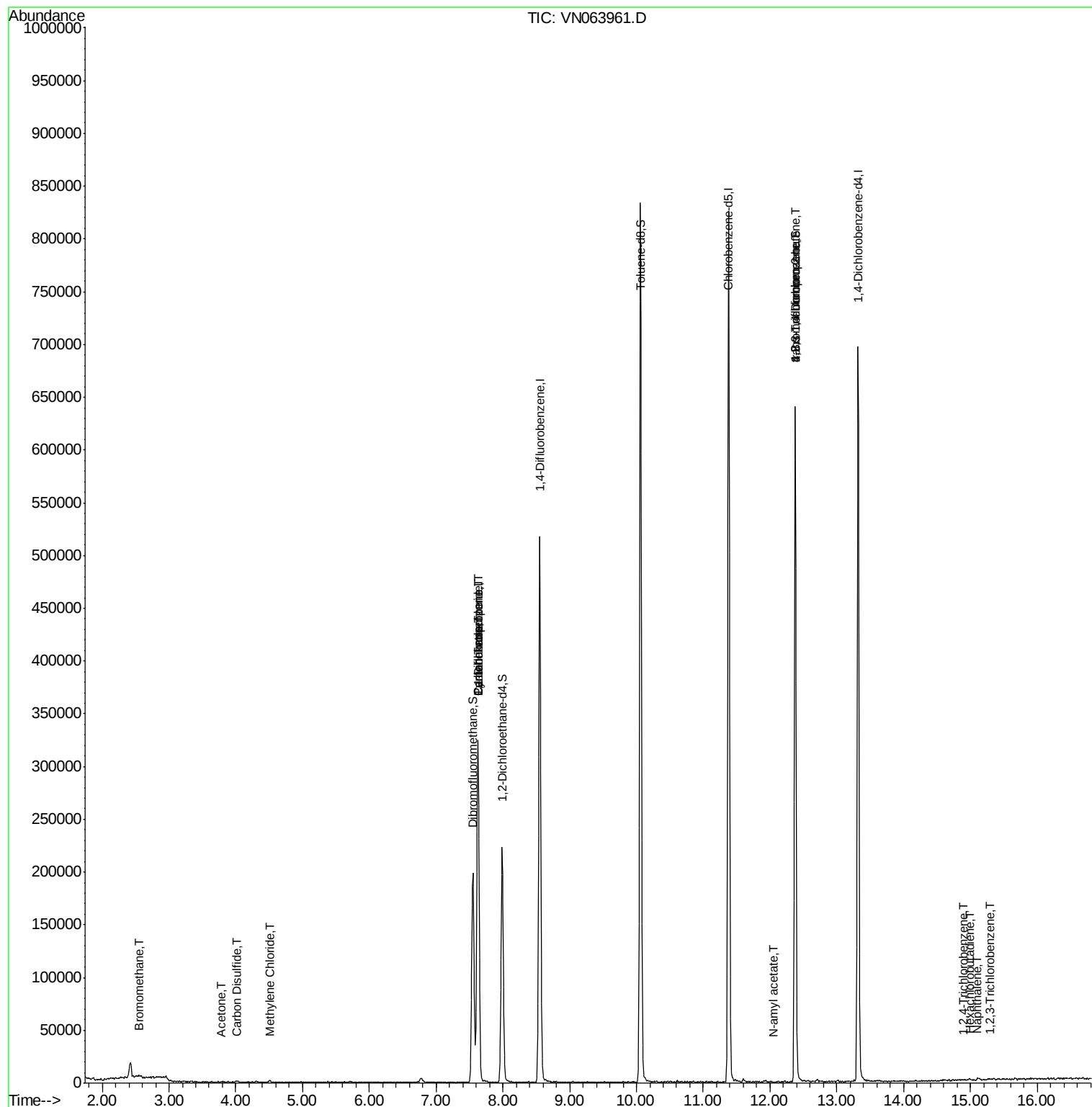
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.54	94	494	0.262	ug/l	93
16) Acetone	3.77	43	286	0.233	ug/l #	47
17) Carbon Disulfide	4.01	76	1740	0.962	ug/l #	76
20) Methylene Chloride	4.51	84	734	0.359	ug/l #	67
31) Cyclohexane	7.63	56	6997	1.512	ug/l #	33
36) 1,1-Dichloropropene	7.63	75	20657	4.667	ug/l #	51
38) Carbon Tetrachloride	7.63	117	27263	5.493	ug/l #	14
74) N-amyl acetate	12.04	43	174	2.243	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	118401	29.647	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	118401	85.387	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.90	180	429	1.867	ug/l #	65
94) Hexachlorobutadiene	14.99	225	358	0.294	ug/l	80
95) Naphthalene	15.11	128	1823	2.104	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.30	180	204	1.633	ug/l #	49

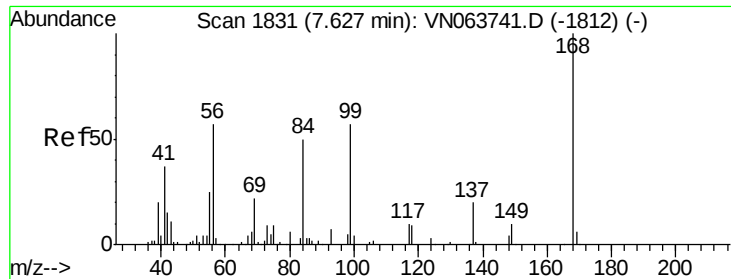
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 08 05:07:50 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 01:46:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN063961.D

Acq: 8 Oct 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

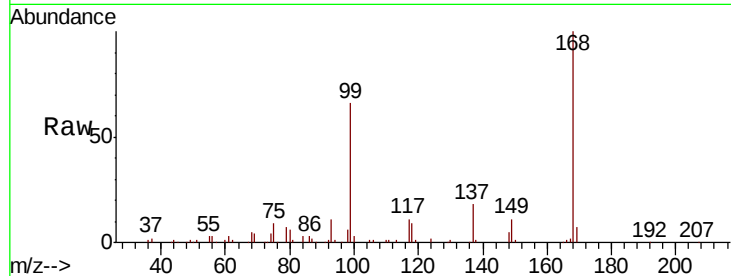
VN1007WBL02

Tot Ion:168 Resp: 241314

Ion Ratio Lower Upper

168 100

99 65.7 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

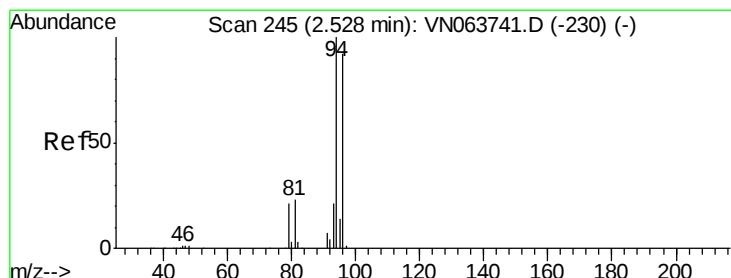
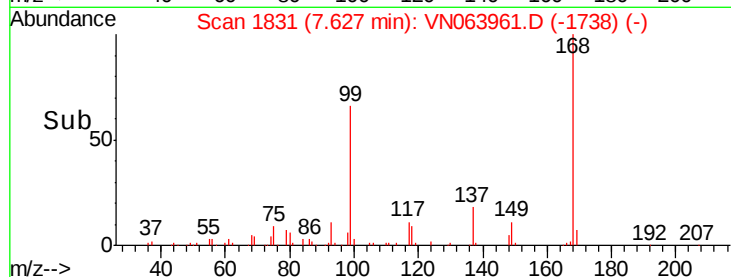
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: 0.262 ug/l

RT: 2.54 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN063961.D

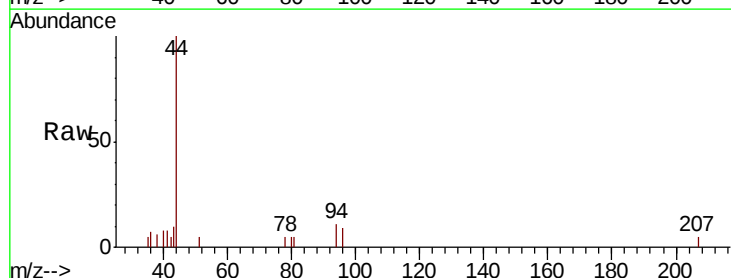
Acq: 8 Oct 2020 00:06

Tgt Ion: 94 Resp: 494

Ion Ratio Lower Upper

94 100

96 85.3 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VNO

Ion 95.90 (95.60 to 96.60): VNO

2.54

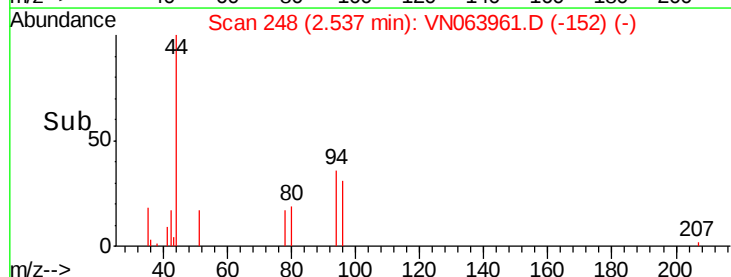
600

400

200

0

Time--> 2.52 2.54 2.56





#16

Acetone

Concen: 0.233 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN063961.D

Acq: 8 Oct 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

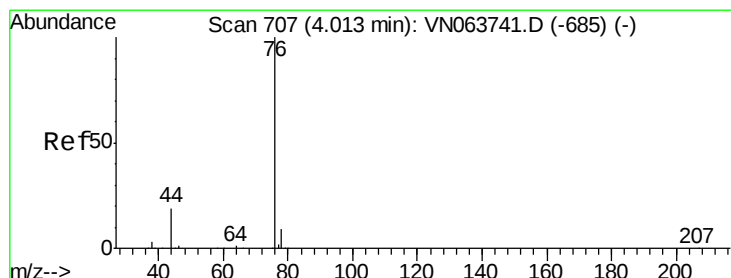
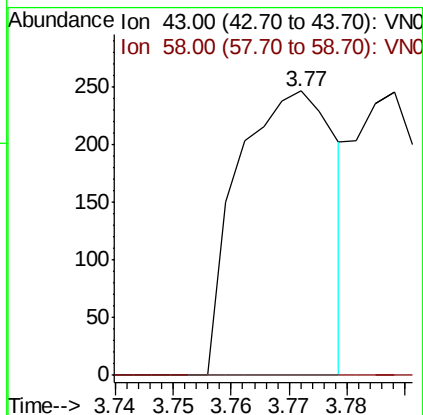
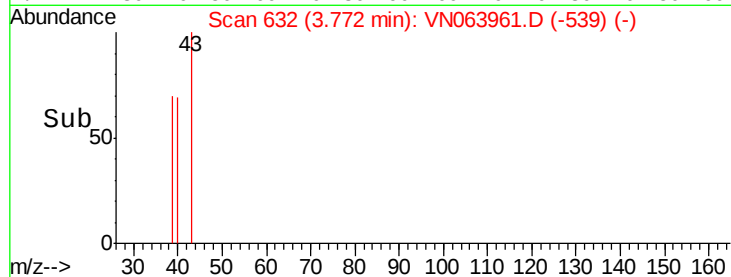
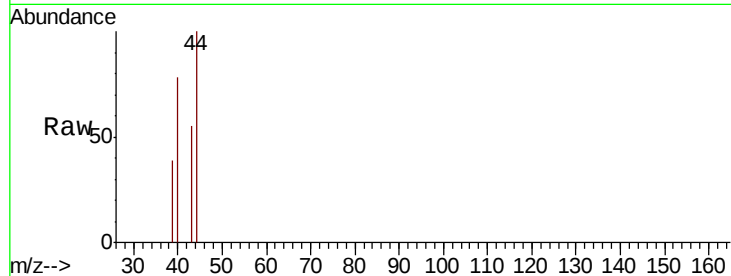
VN1007WBL02

Tot Ion: 43 Resp: 286

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#



#17

Carbon Disulfide

Concen: 0.962 ug/l

RT: 4.01 min Scan# 706

Delta R.T. -0.00 min

Lab File: VN063961.D

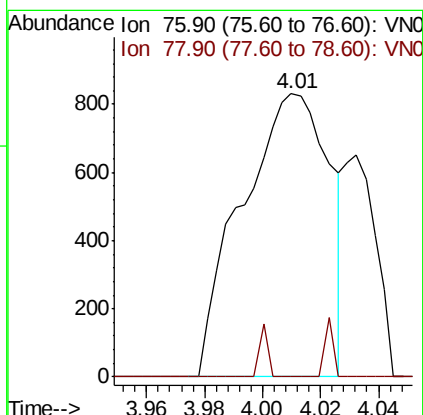
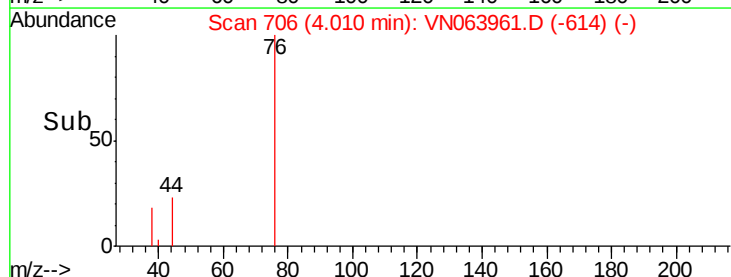
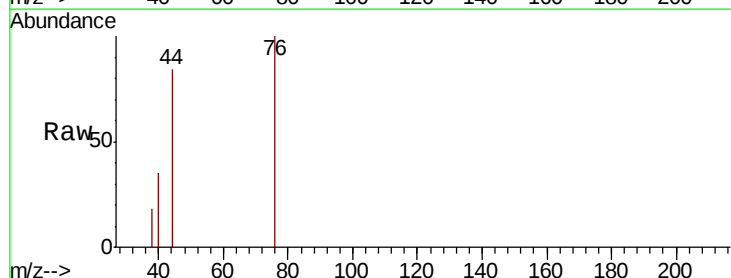
Acq: 8 Oct 2020 00:06

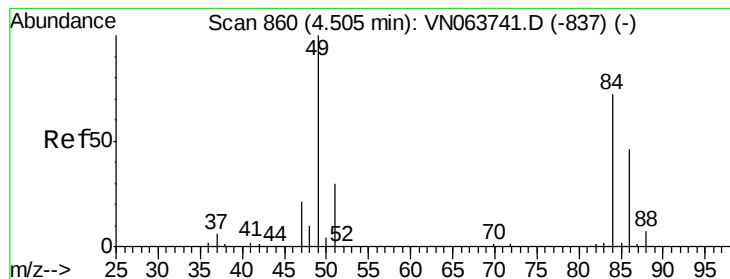
Tgt Ion: 76 Resp: 1740

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#





#20

Methvlene Chloride

Concen: 0.359 ug/l

RT: 4.51 min Scan# 862

Delta R.T. 0.01 min

Lab File: VN063961.D

Acq: 8 Oct 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBL02

Tot Ion: 84 Resp: 734

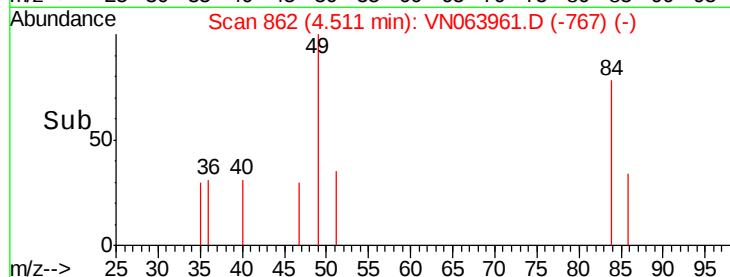
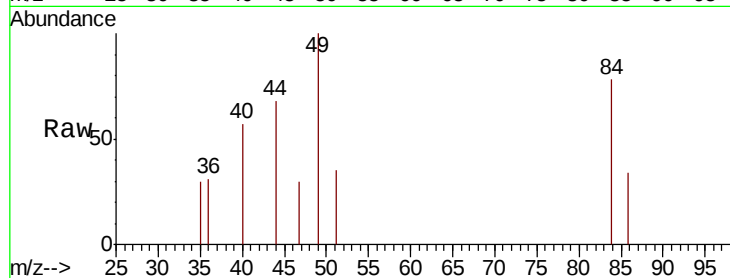
Ion Ratio Lower Upper

84 100

49 84.9 110.4 165.6#

51 45.4 33.3 49.9

86 43.2 50.7 76.1#

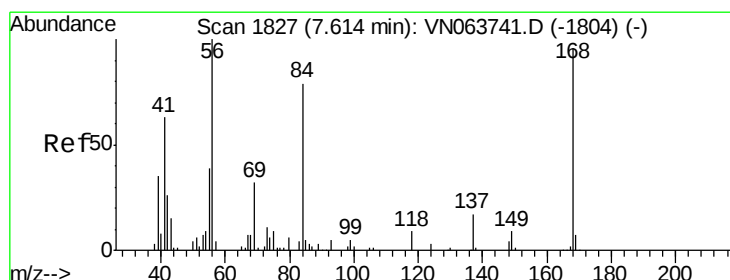
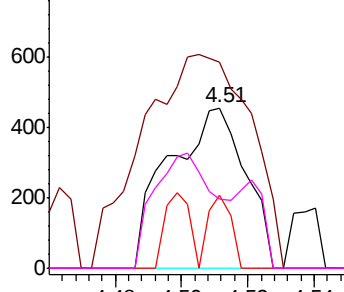


Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO



#31

Cyclohexane

Concen: 1.512 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN063961.D

Acq: 8 Oct 2020 00:06

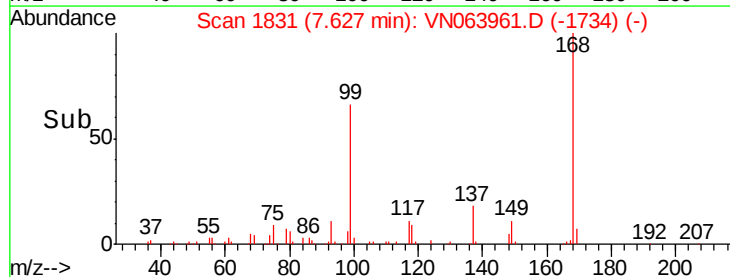
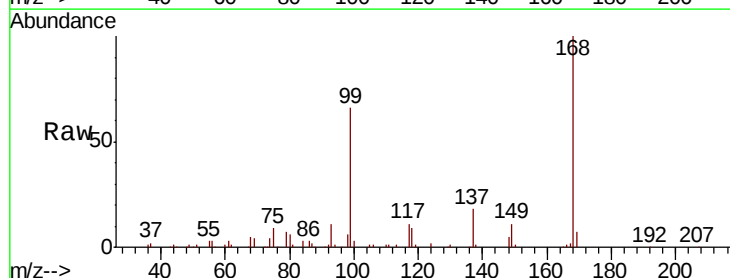
Tgt Ion: 56 Resp: 6997

Ion Ratio Lower Upper

56 100

69 132.9 25.4 38.2#

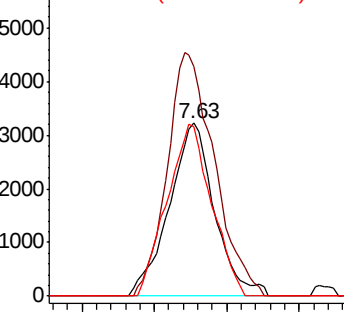
84 97.7 63.3 94.9#

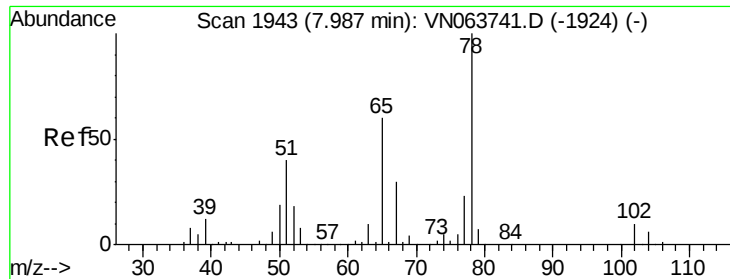


Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO

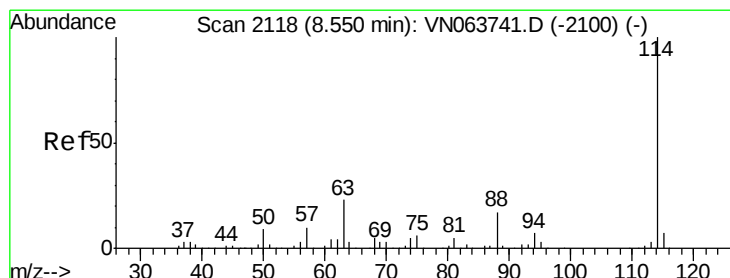
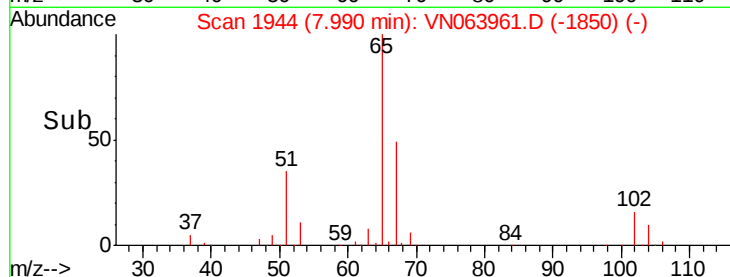
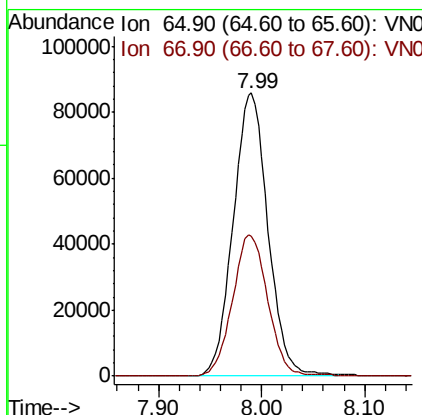
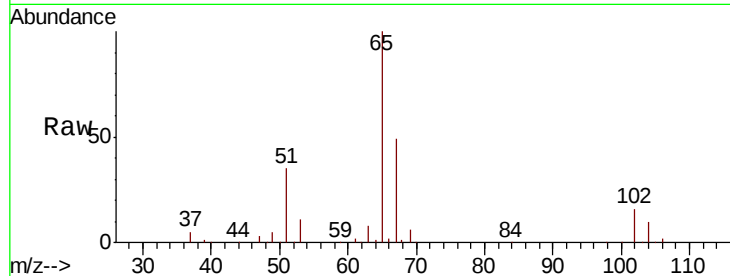




#33
 1,2-Dichloroethane-d4
 Concen: 50.535 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN063961.D
 Acq: 8 Oct 2020 00:06

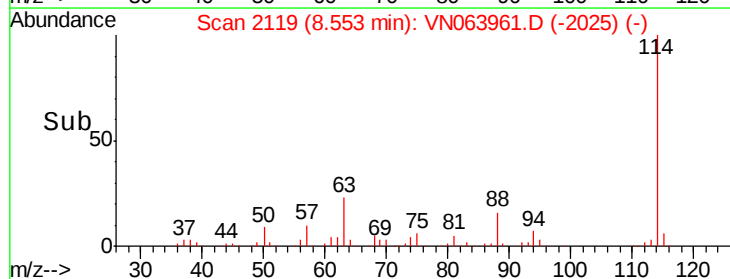
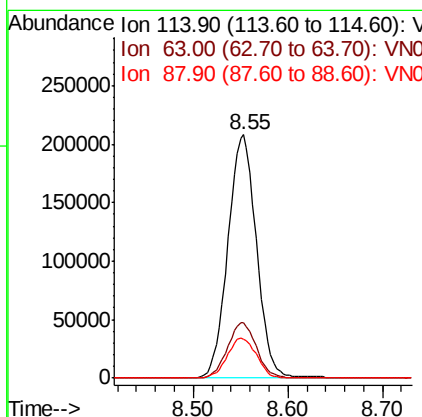
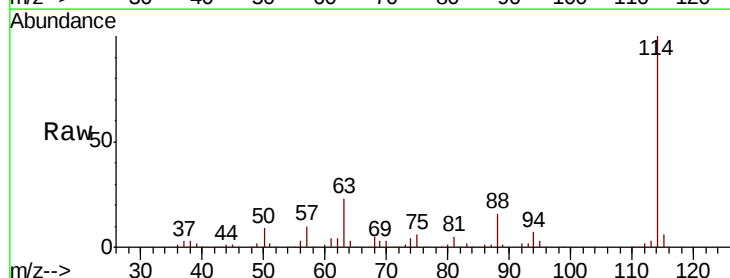
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBL02

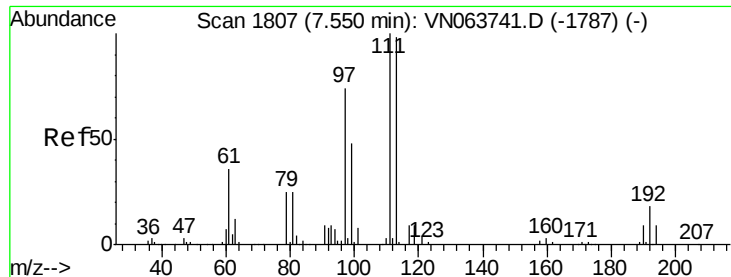
Tot Ion: 65 Resp: 201467
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN063961.D
 Acq: 8 Oct 2020 00:06

Tgt Ion: 114 Resp: 436863
 Ion Ratio Lower Upper
 114 100
 63 22.6 0.0 45.0
 88 16.1 0.0 34.0

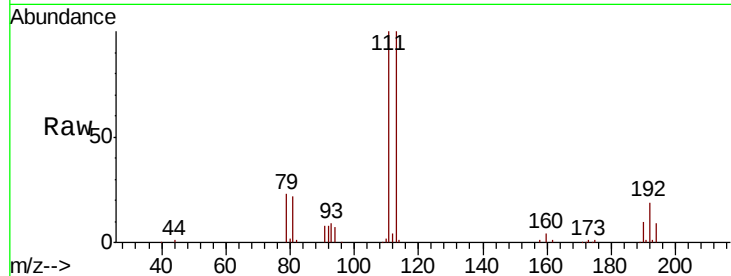




#35
 Dibromofluoromethane
 Concen: 50.038 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN063961.D
 Acq: 8 Oct 2020 00:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBL02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.8	122.8
192	18.6	14.2	21.2

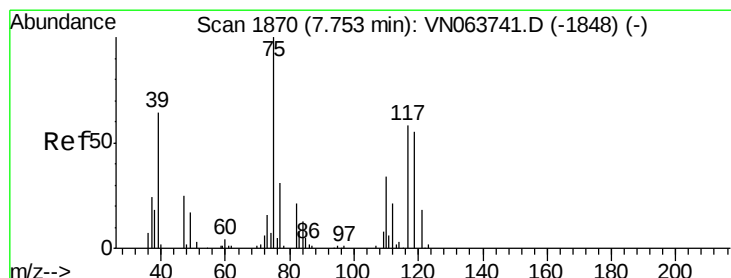
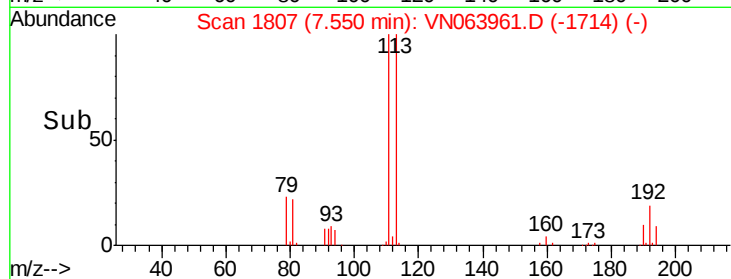
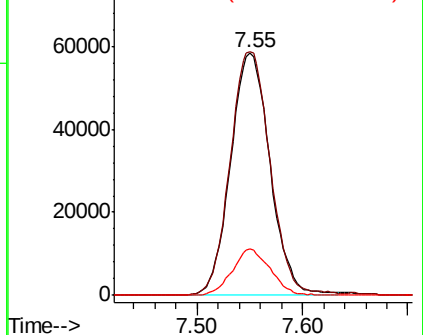


Abundance

Ion 112.80 (112.50 to 113.50): V

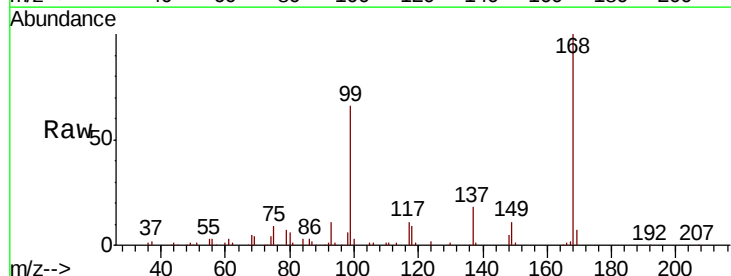
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 4.667 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063961.D
 Acq: 8 Oct 2020 00:06

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.8	16.9	50.6#
77	0.0	24.5	36.7#

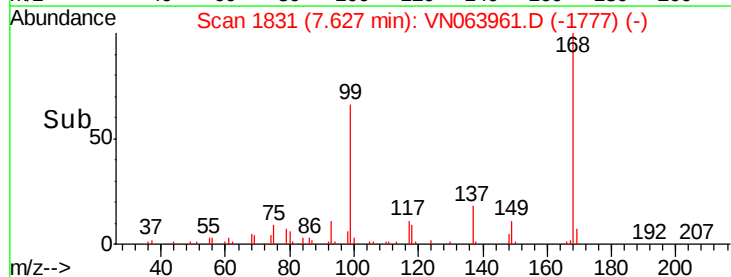
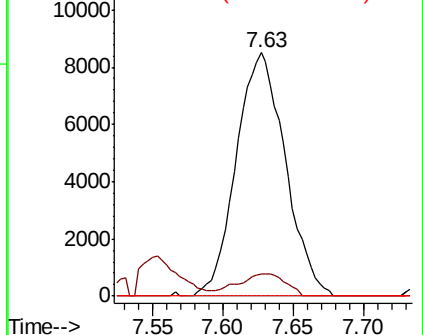


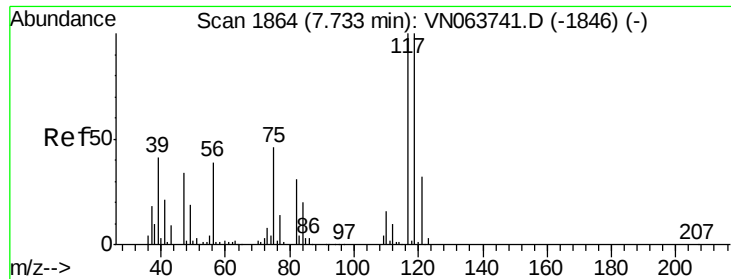
Abundance

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

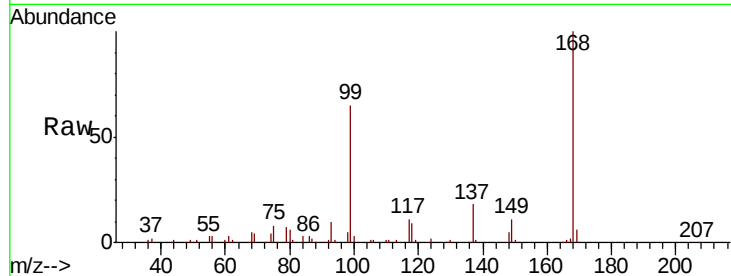




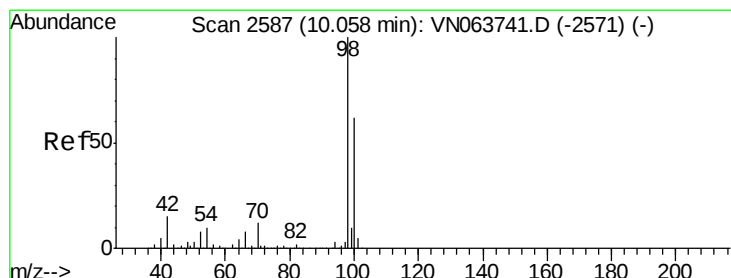
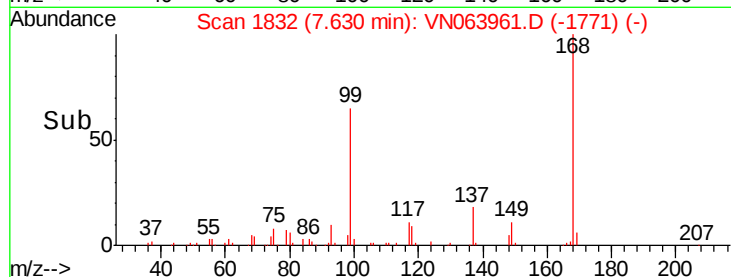
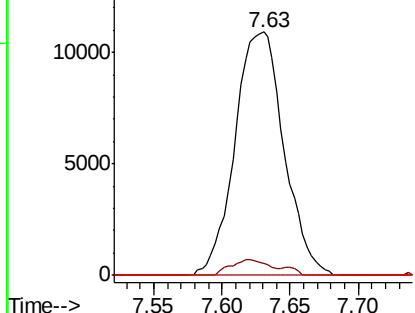
#38
Carbon Tetrachloride
Concen: 5.493 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. -0.10 min
Lab File: VN063961.D
Acq: 8 Oct 2020 00:06

Instrument :
MSVOA_N
ClientSampleId :
VN1007WBL02

Tot Ion:117 Resp: 27263
Ion Ratio Lower Upper
117 100
119 4.9 80.1 120.1#
121 0.0 25.7 38.5#

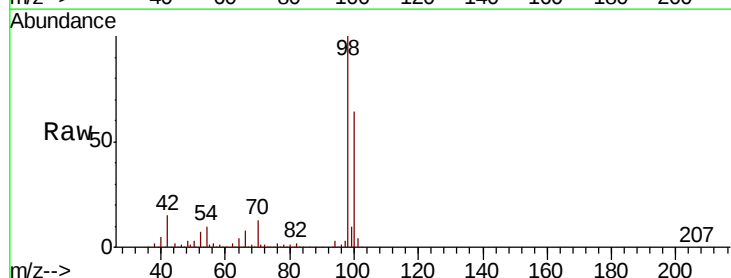


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

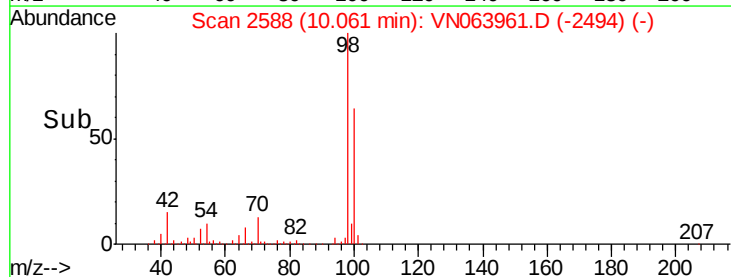
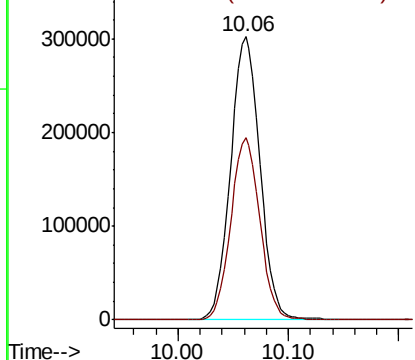


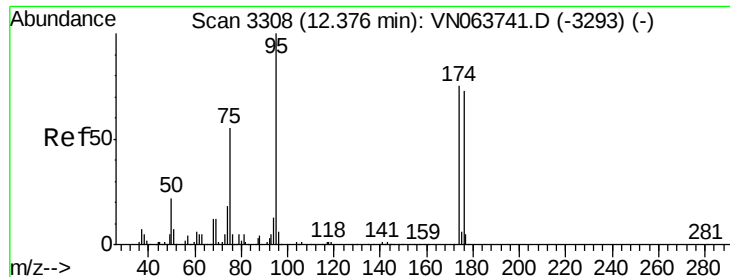
#50
Toluene-d8
Concen: 48.594 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063961.D
Acq: 8 Oct 2020 00:06

Tgt Ion: 98 Resp: 558407
Ion Ratio Lower Upper
98 100
100 63.6 49.8 74.6



Abundance Ion 98.00 (97.70 to 98.70): VN
Ion 100.00 (99.70 to 100.70): VN





#62

4-Bromofluorobenzene

Concen: 49.568 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063961.D

Acq: 8 Oct 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBL02

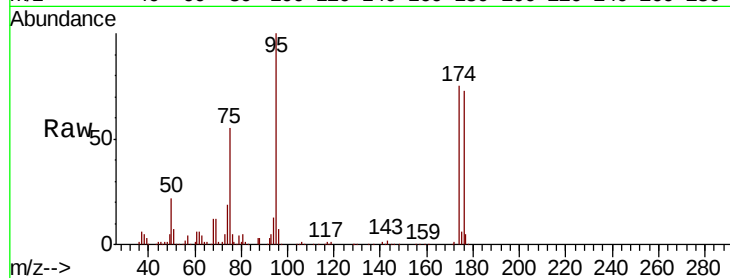
Tot Ion: 95 Resp: 214117

Ion Ratio Lower Upper

95 100

174 76.9 0.0 150.6

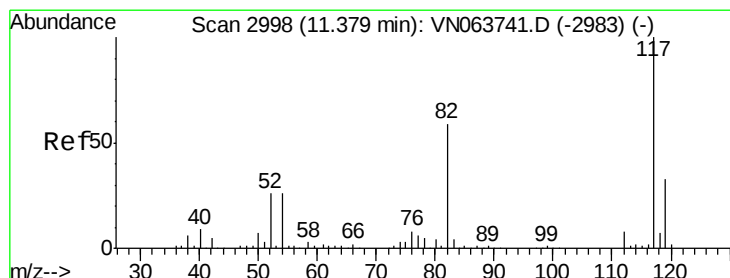
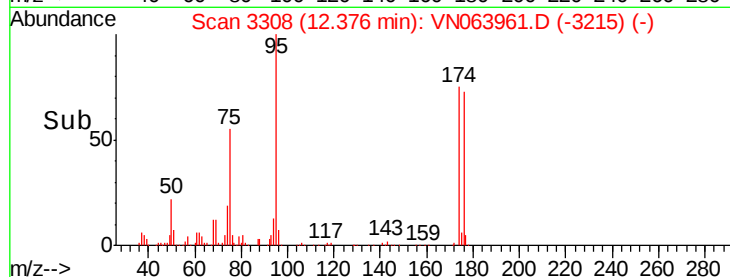
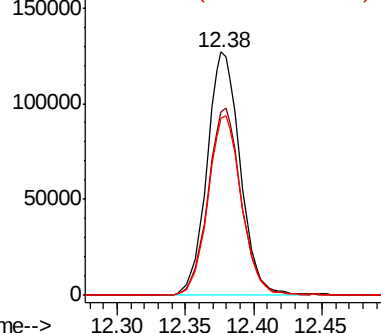
176 74.0 0.0 145.4



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. 0.00 min

Lab File: VN063961.D

Acq: 8 Oct 2020 00:06

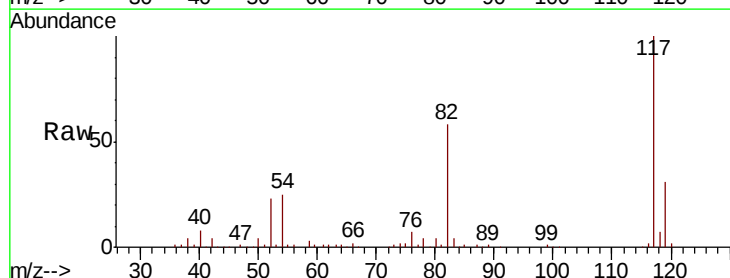
Tgt Ion: 117 Resp: 452513

Ion Ratio Lower Upper

117 100

82 57.8 47.4 71.2

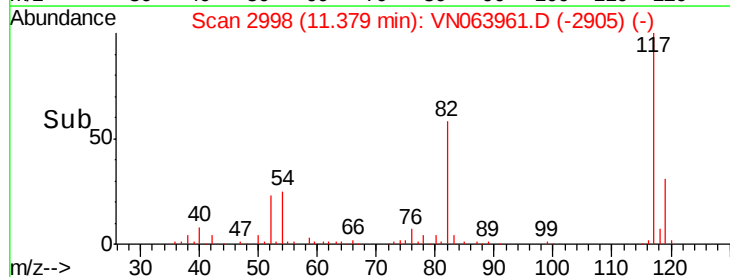
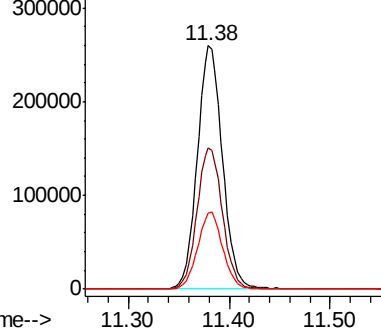
119 31.4 26.4 39.6

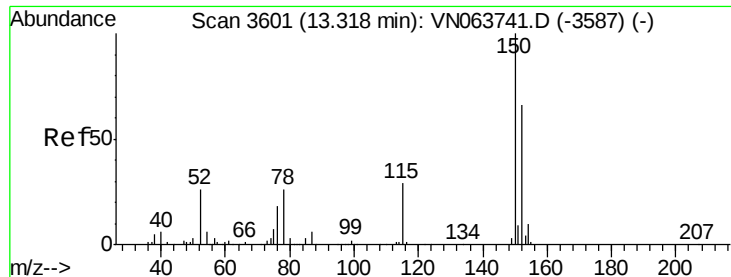


Abundance Ion 116.90 (116.60 to 117.60): VN063741.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063741.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063741.D (-2983) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN063961.D

Acq: 8 Oct 2020 00:06

Instrument :

MSVOA_N

ClientSampleId :

VN1007WBL02

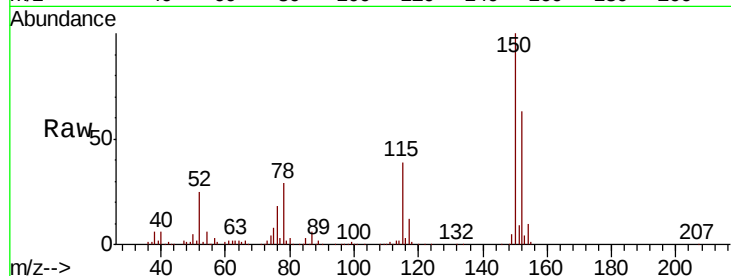
Tot Ion:152 Resp: 181172

Ion Ratio Lower Upper

152 100

115 60.5 31.3 93.8

150 155.1 0.0 341.8

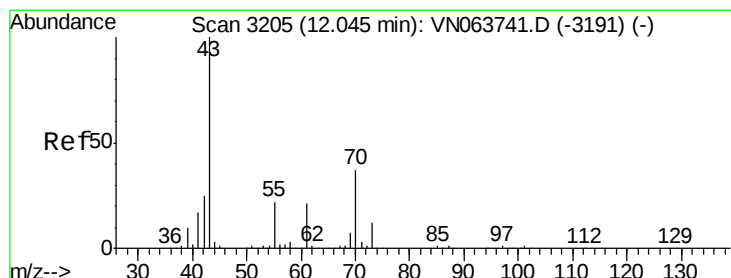
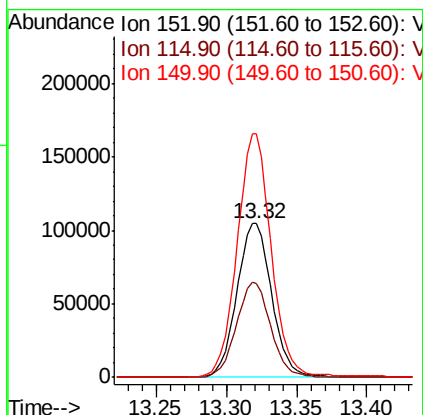
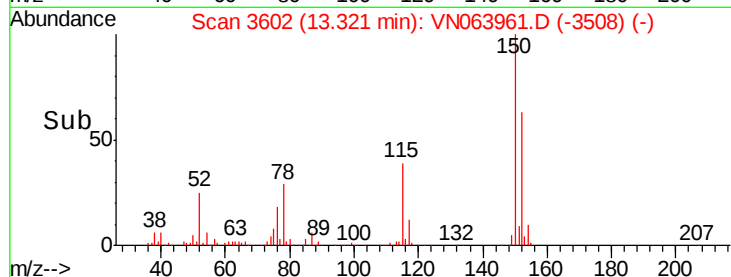


Abundance

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# 3205

Delta R.T. 0.00 min

Lab File: VN063961.D

Acq: 8 Oct 2020 00:06

Tgt Ion: 43 Resp: 174

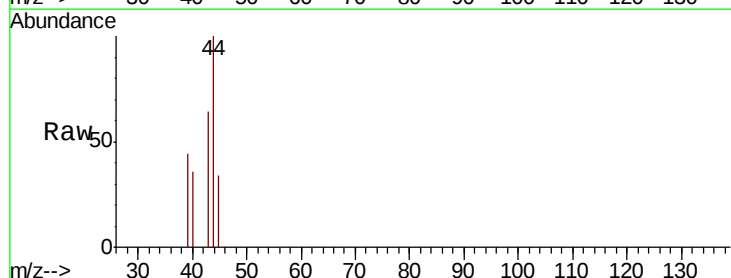
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#



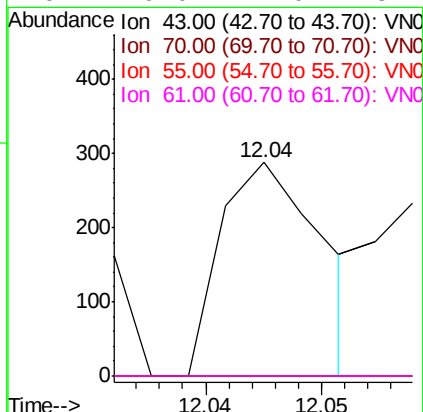
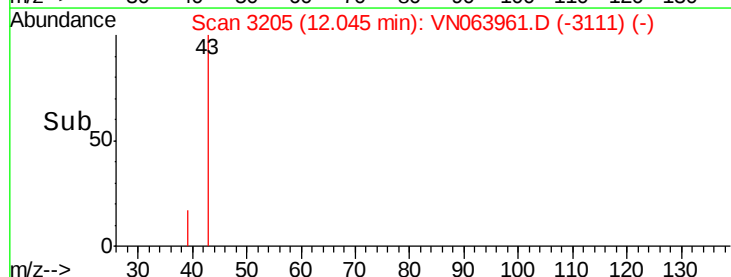
Abundance

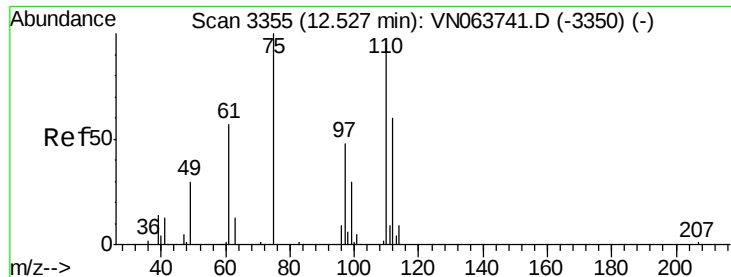
Ion 43.00 (42.70 to 43.70): VN0

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

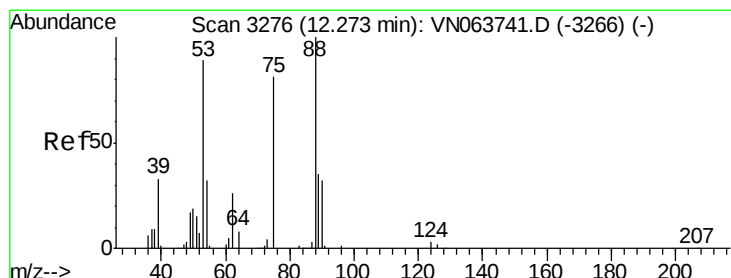
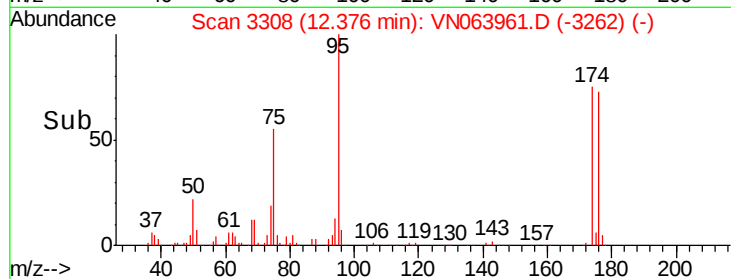
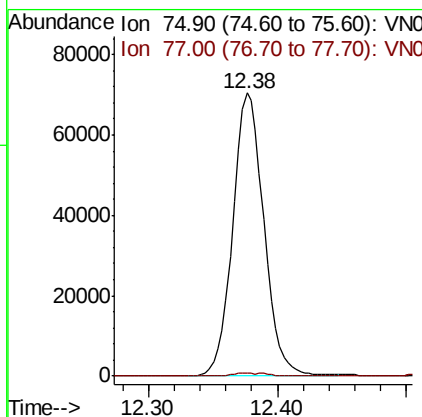
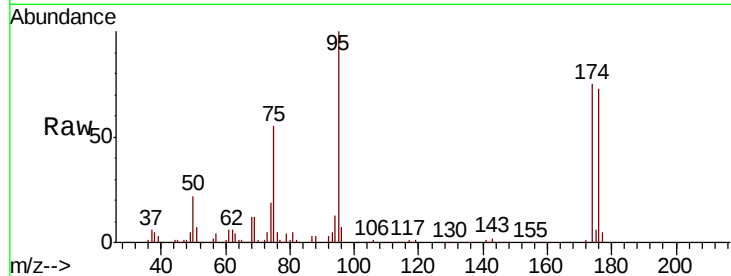




#76
 1,2,3-Trichloropropane
 Concen: 29.647 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN063961.D
 Acq: 8 Oct 2020 00:06

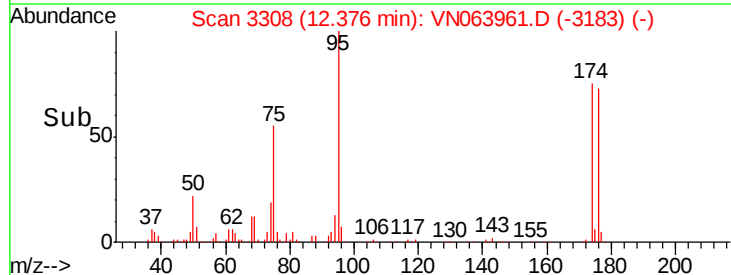
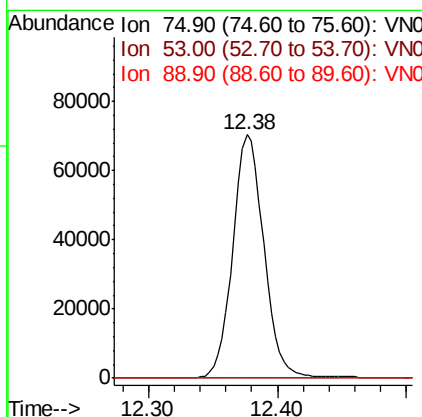
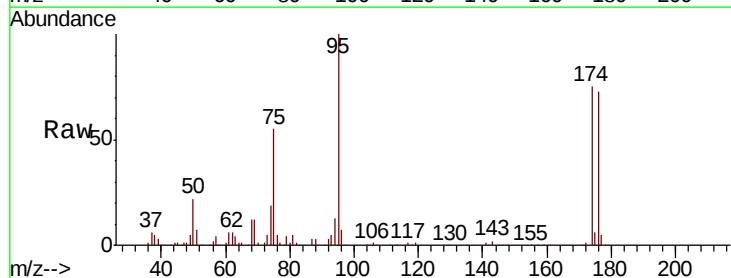
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBL02

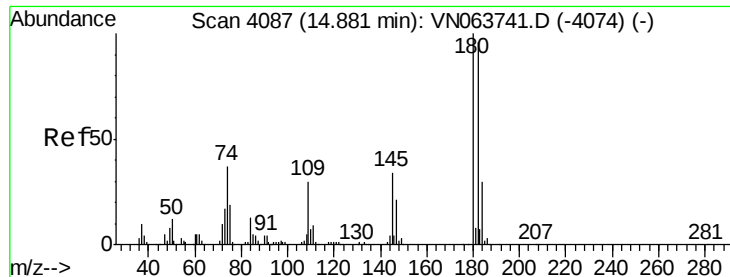
Tot Ion: 75 Resp: 118401
 Ion Ratio Lower Upper
 75 100
 77 0.8 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 85.387 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063961.D
 Acq: 8 Oct 2020 00:06

Tgt Ion: 75 Resp: 118401
 Ion Ratio Lower Upper
 75 100
 53 0.2 88.2 132.2#
 89 0.0 36.0 54.0#

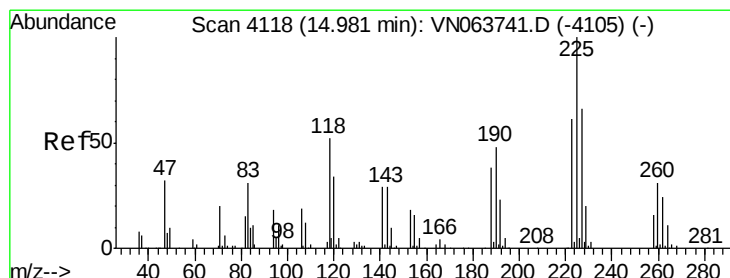
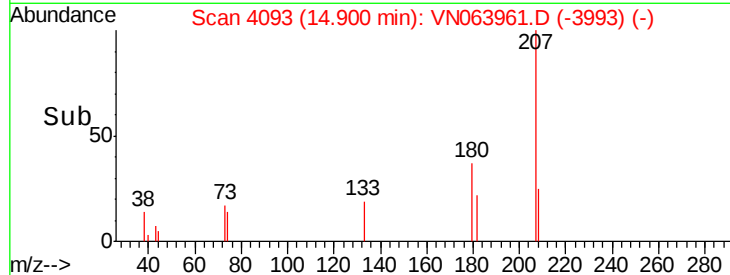
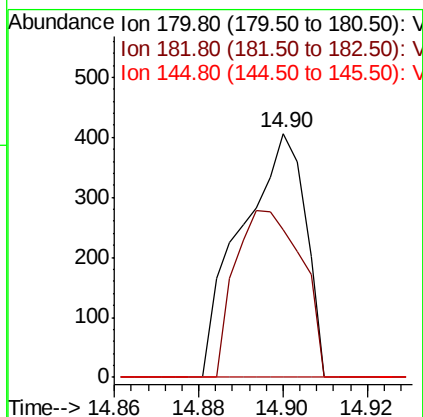
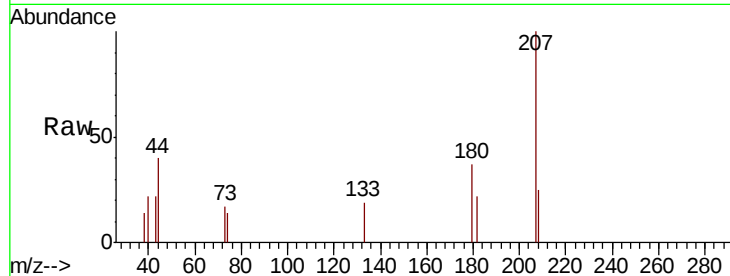




#93
 1,2,4-Trichlorobenzene
 Concen: 1.867 ug/l
 RT: 14.90 min Scan# 4093
 Delta R.T. 0.02 min
 Lab File: VN063961.D
 Acq: 8 Oct 2020 00:06

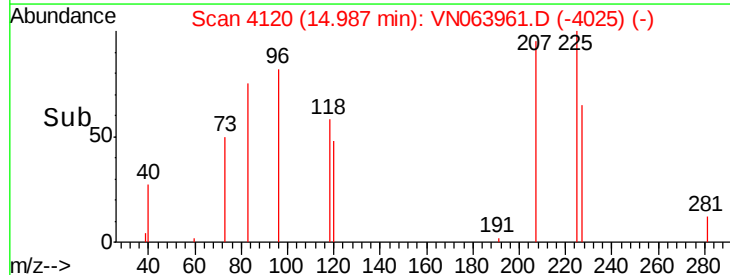
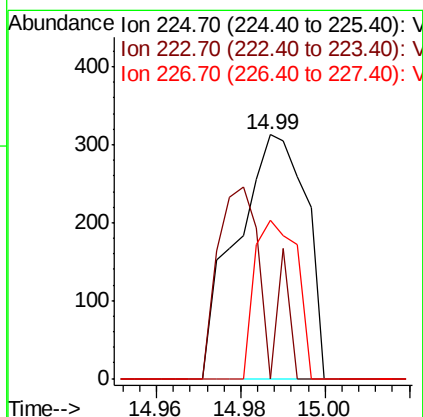
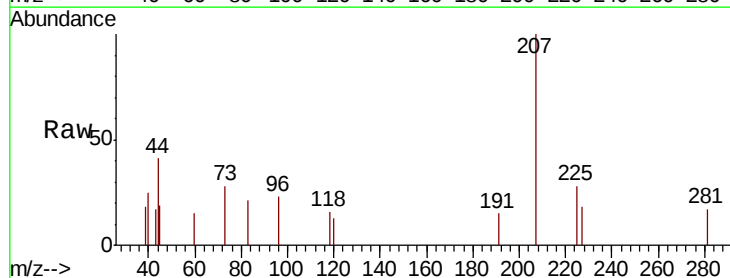
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1007WBL02

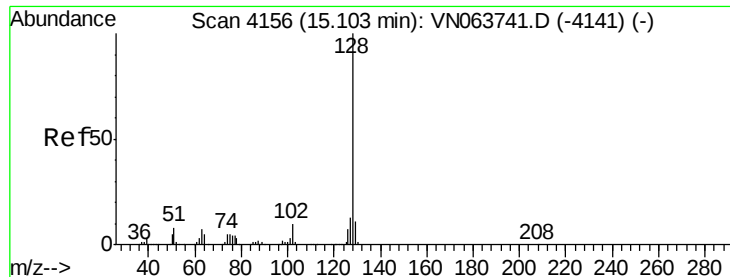
Tot Ion:180 Resp: 429
 Ion Ratio Lower Upper
 180 100
 182 70.9 48.2 144.6
 145 0.0 17.1 51.2#



#94
 Hexachlorobutadiene
 Concen: 0.294 ug/l
 RT: 14.99 min Scan# 4120
 Delta R.T. 0.01 min
 Lab File: VN063961.D
 Acq: 8 Oct 2020 00:06

Tgt Ion:225 Resp: 358
 Ion Ratio Lower Upper
 225 100
 223 53.9 30.3 91.0
 227 39.4 31.9 95.5

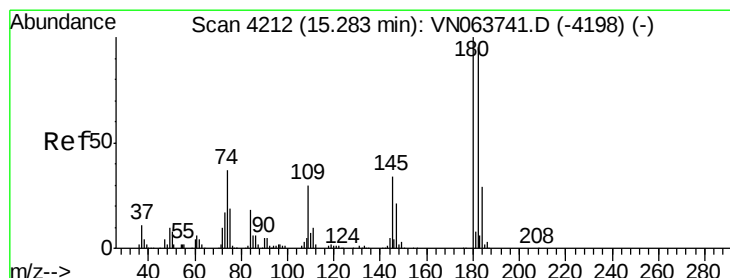
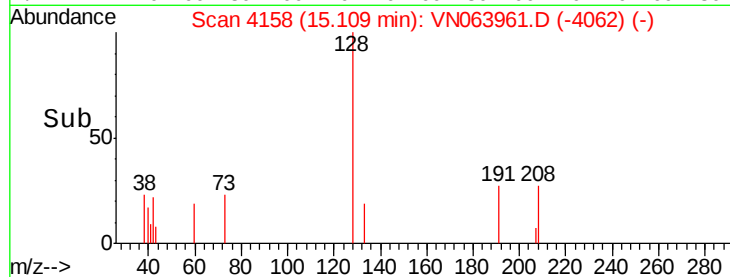
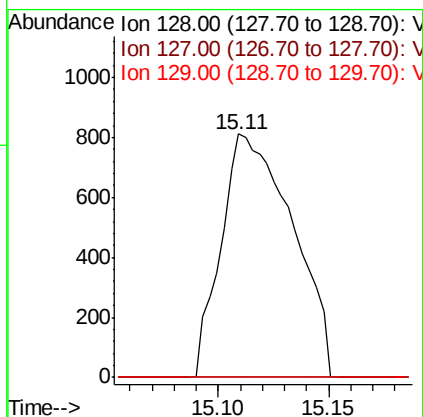
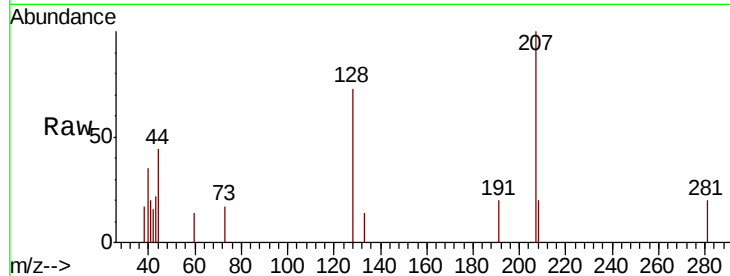




#95
Naphthalene
Concen: 2.104 ug/l
RT: 15.11 min Scan# 4158
Delta R.T. 0.01 min
Lab File: VN063961.D
Acq: 8 Oct 2020 00:06

Instrument :
MSVOA_N
ClientSampled :
VN1007WBL02

Tot Ion:128 Resp: 1823
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 1.633 ug/l
RT: 15.30 min Scan# 4216
Delta R.T. 0.01 min
Lab File: VN063961.D
Acq: 8 Oct 2020 00:06

Tgt Ion:180 Resp: 204
Ion Ratio Lower Upper
180 100
182 49.5 47.9 143.6
145 0.0 17.2 51.5#

