

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100920\
 Data File : VN064051.D
 Acq On : 9 Oct 2020 22:01
 Operator : JC/MD
 Sample : VN1009WBL02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBL02

Quant Time: Oct 10 02:23:54 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	211455	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	394217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	408758	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	156141	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	186165	53.29	ug/l	0.00
Spiked Amount			Recovery	=	106.58%	
35) Dibromofluoromethane	7.55	113	136389	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	
50) Toluene-d8	10.06	98	509536	49.14	ug/l	0.00
Spiked Amount			Recovery	=	98.28%	
62) 4-Bromofluorobenzene	12.38	95	194272	49.84	ug/l	0.00
Spiked Amount			Recovery	=	99.68%	

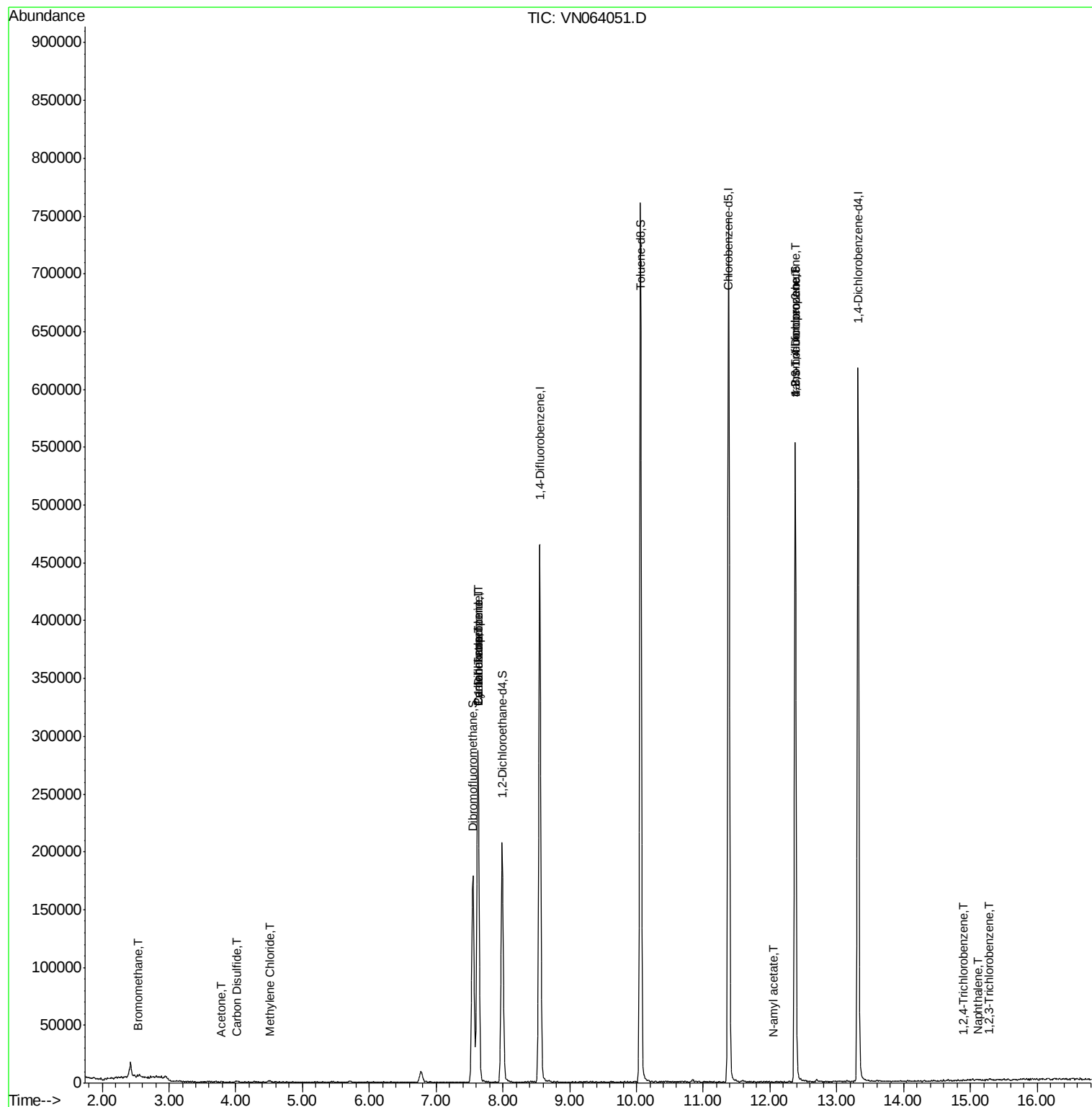
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.53	94	557	0.337	ug/l	99
16) Acetone	3.78	43	473	0.440	ug/l #	47
17) Carbon Disulfide	4.01	76	1423	0.944	ug/l #	76
20) Methylene Chloride	4.51	84	514	0.306	ug/l #	59
31) Cyclohexane	7.62	56	2729	0.673	ug/l #	23
36) 1,1-Dichloropropene	7.62	75	19144	4.793	ug/l #	49
38) Carbon Tetrachloride	7.63	117	23670	5.285	ug/l #	15
74) N-amyl acetate	12.05	43	103	2.235	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	104983	30.501	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	104983	87.847	ug/l #	6
93) 1,2,4-Trichlorobenzene	14.88	180	105	1.774	ug/l #	12
95) Naphthalene	15.12	128	956	2.034	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.28	180	63	1.591	ug/l #	1

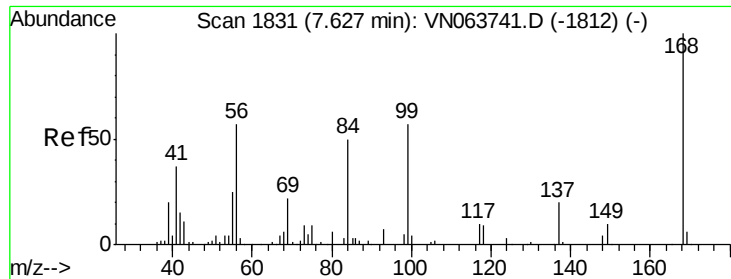
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN064051.D

Acq: 9 Oct 2020 22:01

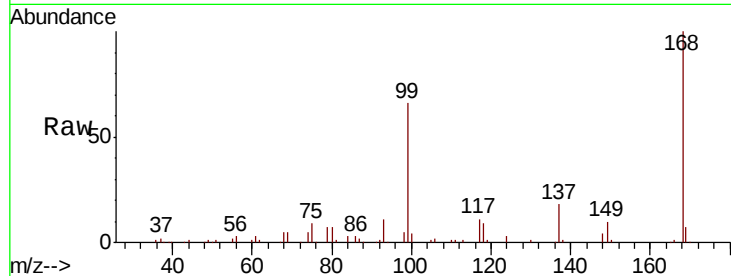
Instrument :
MSVOA_N
ClientSampleId :
VN1009WBL02

Tot Ion:168 Resp: 211455

Ion Ratio Lower Upper

168 100

99 66.5 51.8 77.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

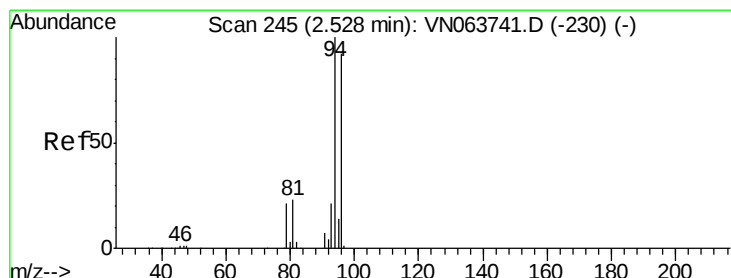
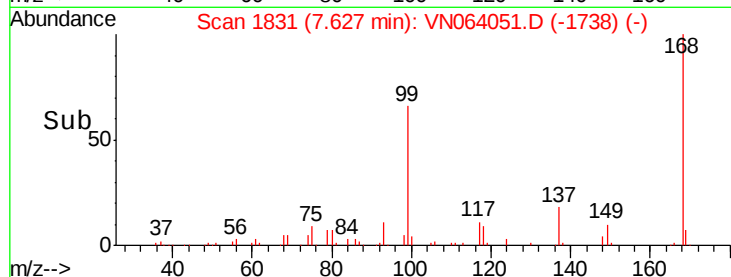
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#5

Bromomethane

Concen: 0.337 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN064051.D

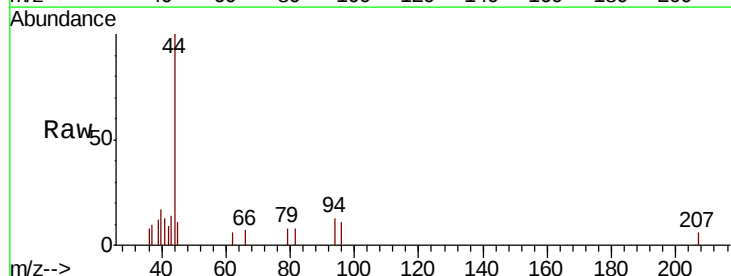
Acq: 9 Oct 2020 22:01

Tgt Ion: 94 Resp: 557

Ion Ratio Lower Upper

94 100

96 90.9 73.3 109.9



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.53

400

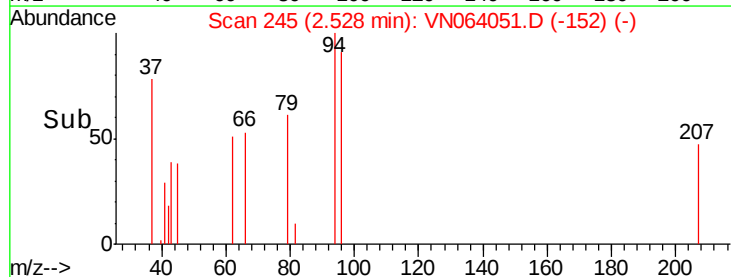
300

200

100

0

Time--> 2.50 2.52 2.54 2.56





#16

Acetone

Concen: 0.440 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.01 min

Lab File: VN064051.D

Acq: 9 Oct 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

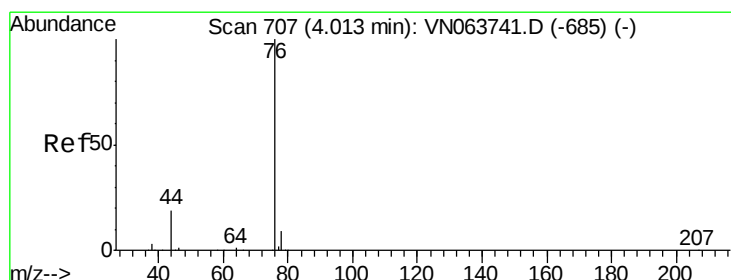
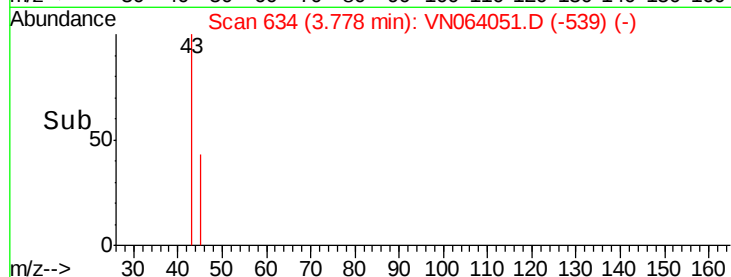
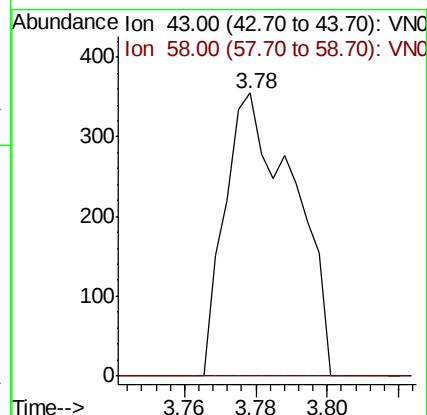
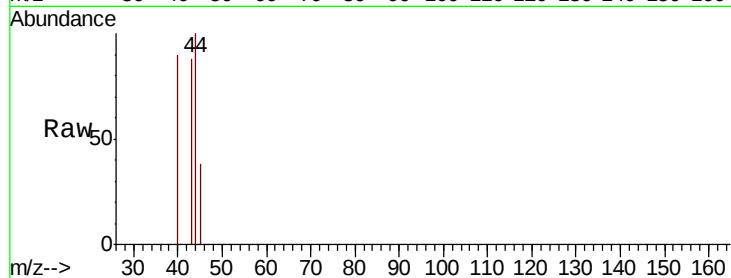
VN1009WBL02

Tot Ion: 43 Resp: 473

Ion Ratio Lower Upper

43 100

58 0.0 22.3 33.5#



#17

Carbon Disulfide

Concen: 0.944 ug/l

RT: 4.01 min Scan# 707

Delta R.T. 0.00 min

Lab File: VN064051.D

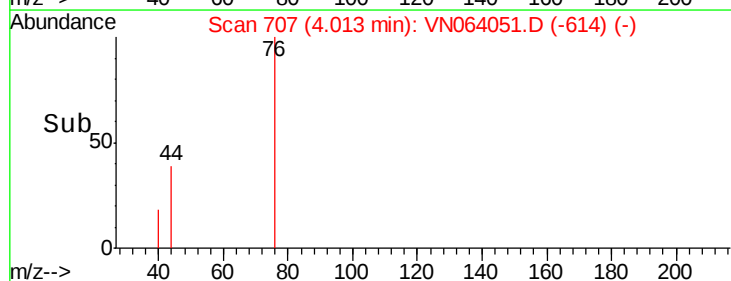
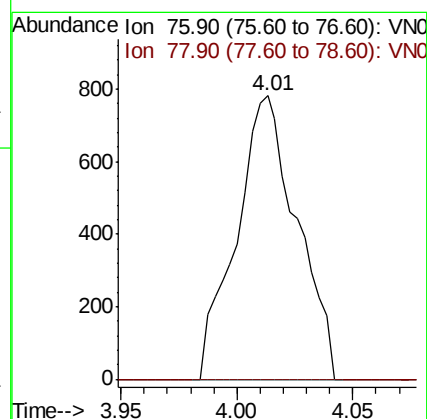
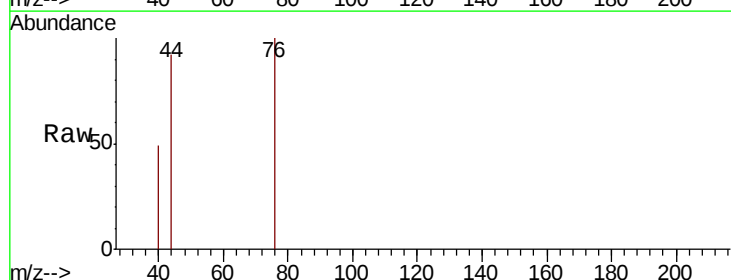
Acq: 9 Oct 2020 22:01

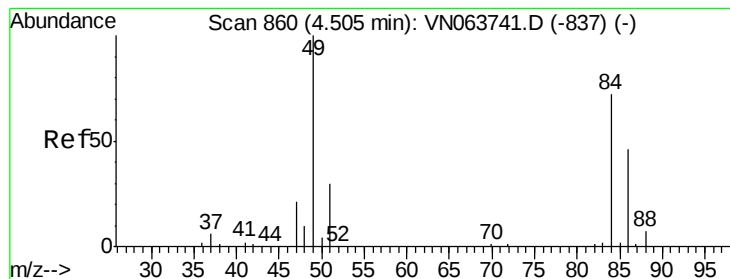
Tgt Ion: 76 Resp: 1423

Ion Ratio Lower Upper

76 100

78 0.0 7.0 10.4#





#20

Methvlene Chloride

Concen: 0.306 ug/l

RT: 4.51 min Scan# 863

Delta R.T. 0.01 min

Lab File: VN064051.D

Acq: 9 Oct 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBL02

Tot Ion: 84 Resp: 514

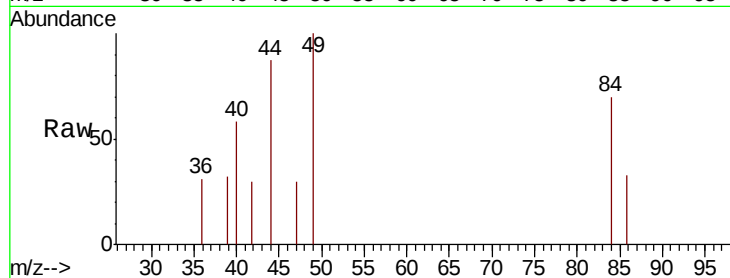
Ion Ratio Lower Upper

84 100

49 87.5 110.4 165.6#

51 0.0 33.3 49.9#

86 46.2 50.7 76.1#

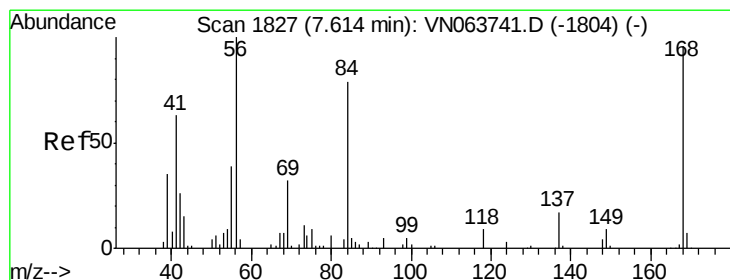
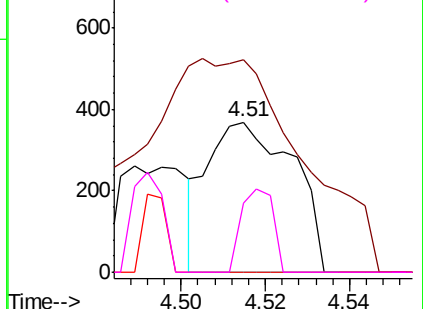
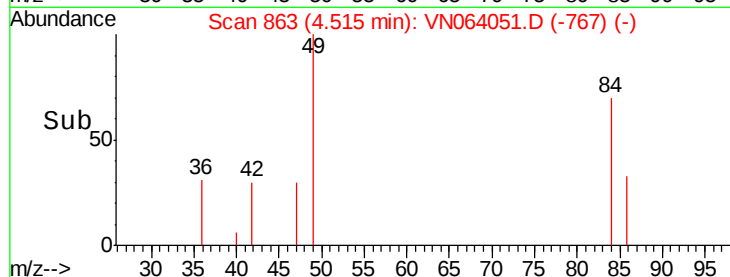


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#31

Cyclohexane

Concen: 0.673 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN064051.D

Acq: 9 Oct 2020 22:01

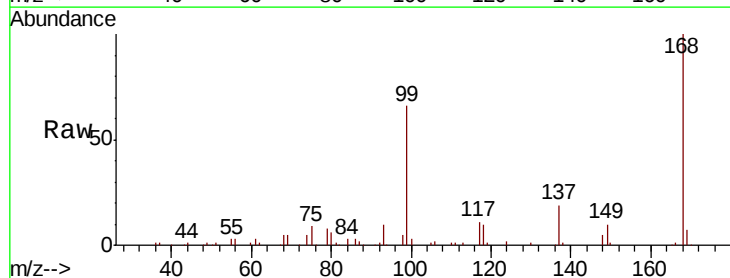
Tgt Ion: 56 Resp: 2729

Ion Ratio Lower Upper

56 100

69 160.1 25.4 38.2#

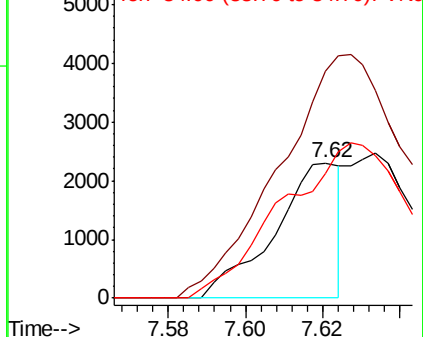
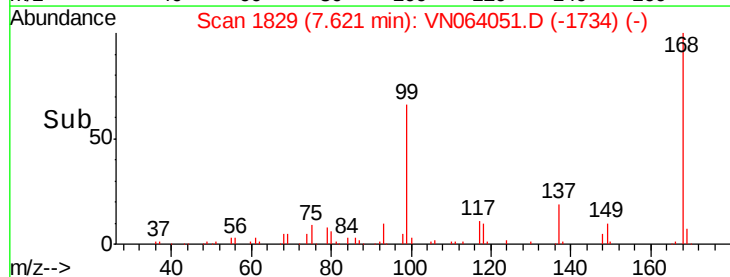
84 91.8 63.3 94.9

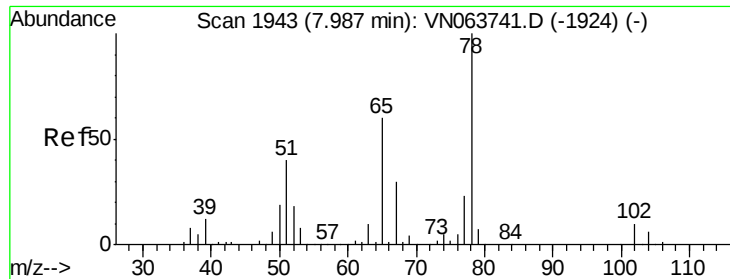


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

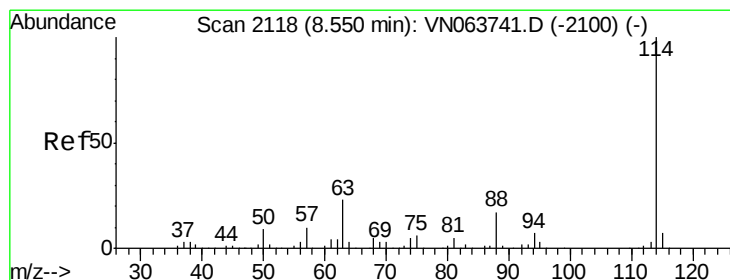
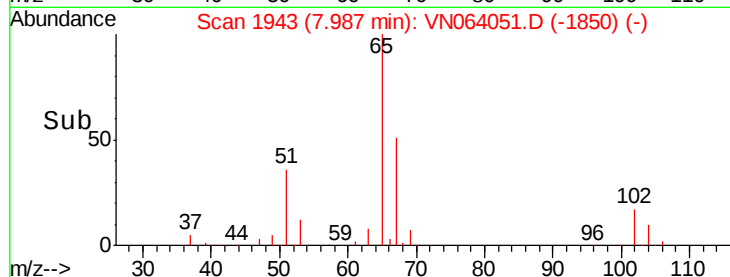
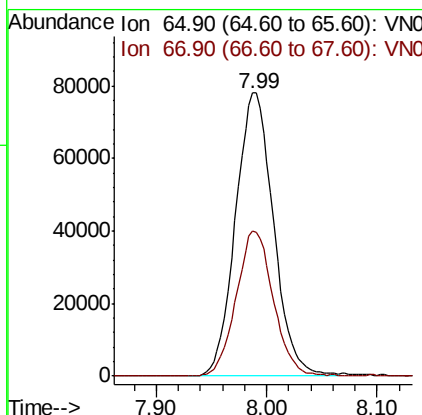
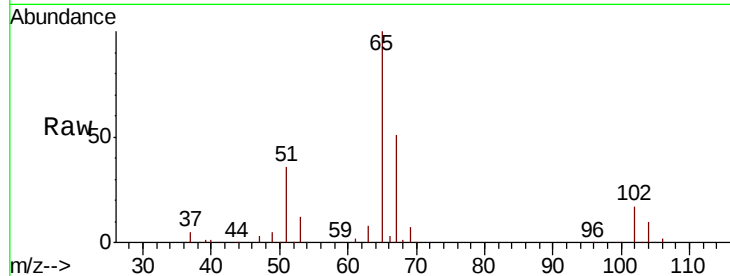




#33
 1,2-Dichloroethane-d4
 Concen: 53.291 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN064051.D
 Acq: 9 Oct 2020 22:01

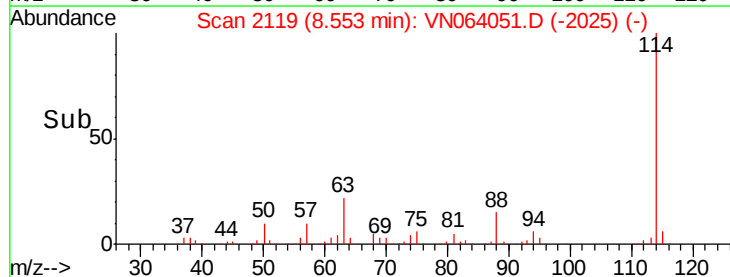
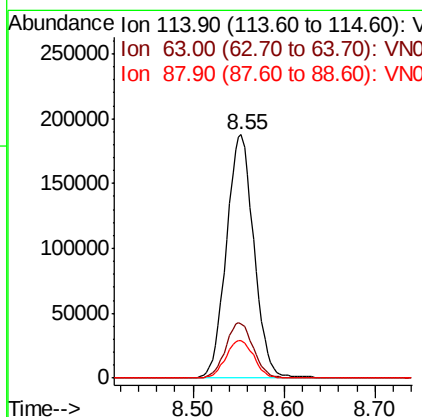
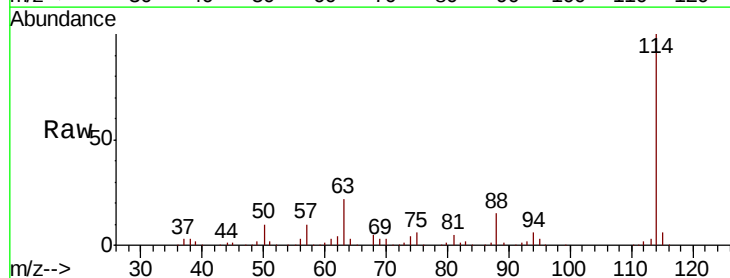
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBL02

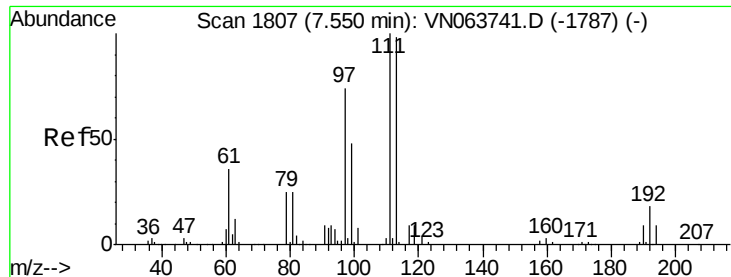
Tot Ion: 65 Resp: 186165
 Ion Ratio Lower Upper
 65 100
 67 50.0 0.0 99.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN064051.D
 Acq: 9 Oct 2020 22:01

Tgt Ion: 114 Resp: 394217
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.0
 88 15.4 0.0 34.0

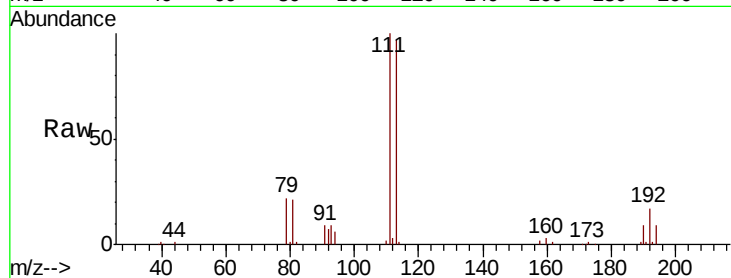




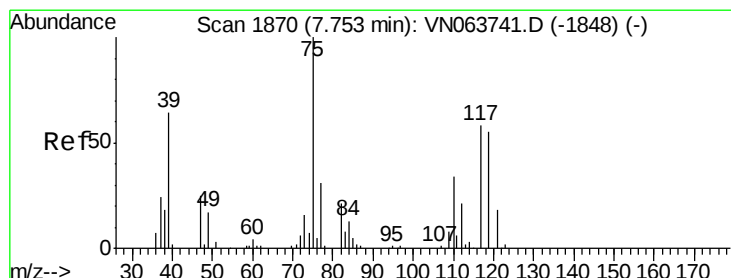
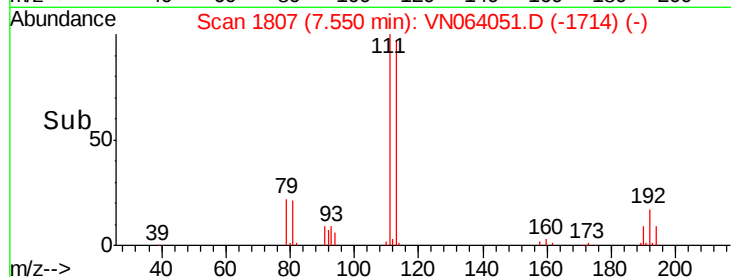
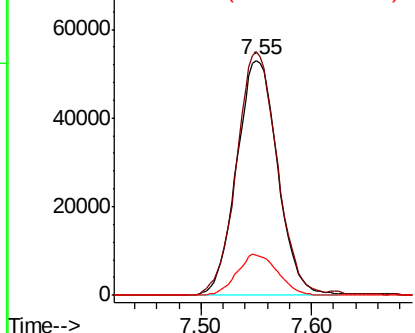
#35
 Dibromofluoromethane
 Concen: 49.861 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. -0.00 min
 Lab File: VN064051.D
 Acq: 9 Oct 2020 22:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBL02

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.8	122.8
192	17.4	14.2	21.2

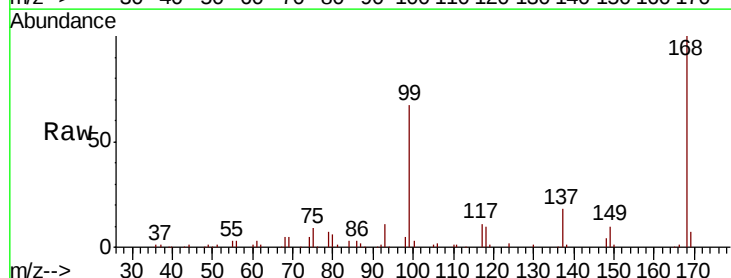


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

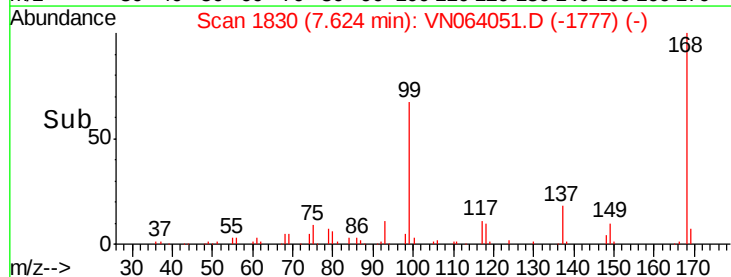
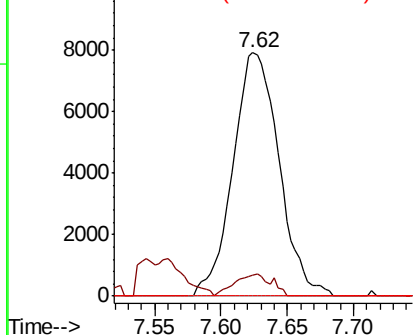


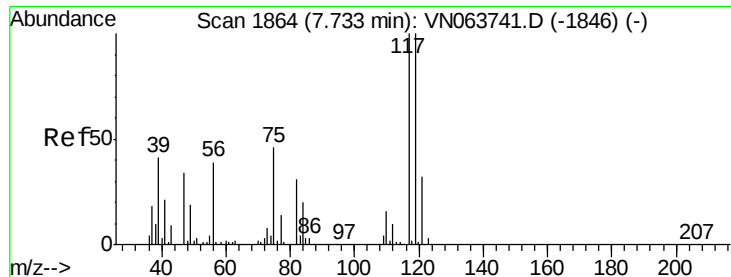
#36
 1,1-Dichloropropene
 Concen: 4.793 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. -0.13 min
 Lab File: VN064051.D
 Acq: 9 Oct 2020 22:01

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.3	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

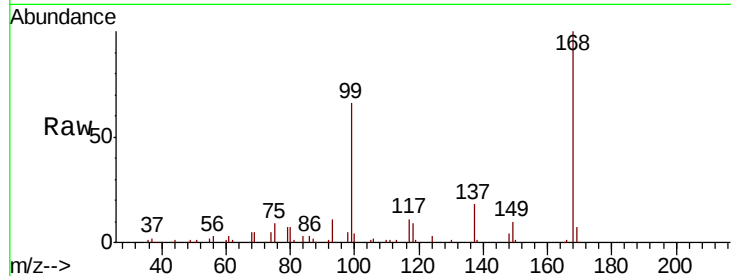




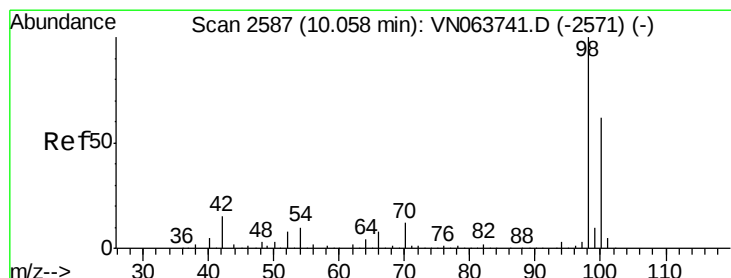
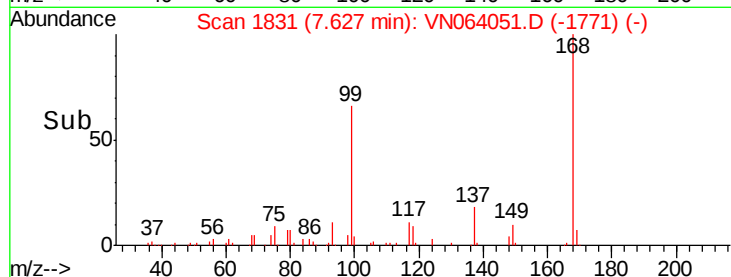
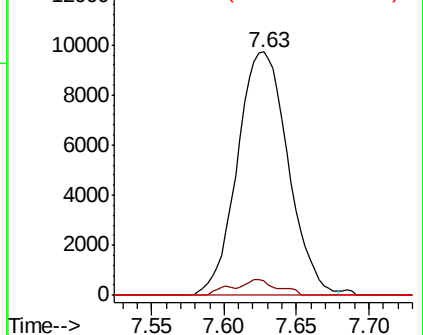
#38
Carbon Tetrachloride
Concen: 5.285 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN064051.D
Acq: 9 Oct 2020 22:01

Instrument :
MSVOA_N
ClientSampleId :
VN1009WBL02

Tot Ion:117 Resp: 23670
Ion Ratio Lower Upper
117 100
119 5.7 80.1 120.1#
121 0.0 25.7 38.5#

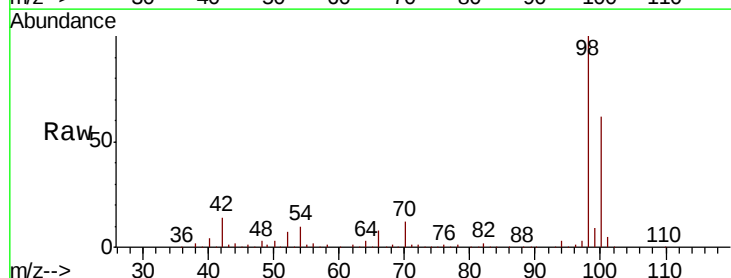


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

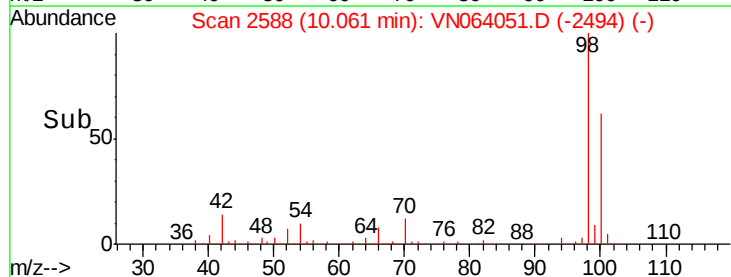
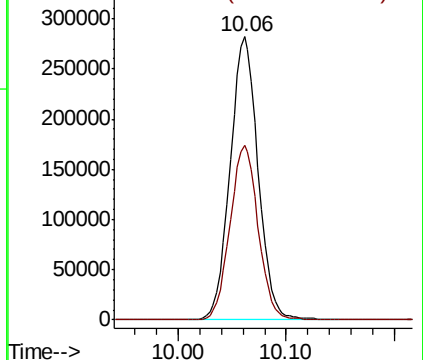


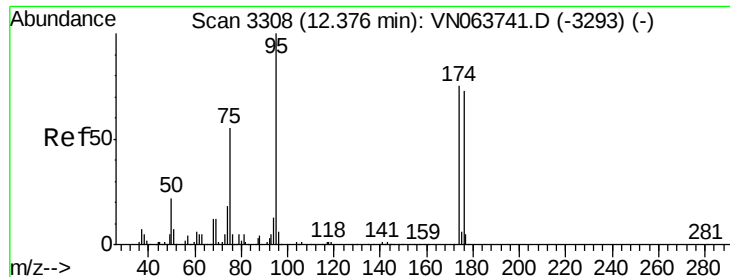
#50
Toluene-d8
Concen: 49.138 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN064051.D
Acq: 9 Oct 2020 22:01

Tgt Ion: 98 Resp: 509536
Ion Ratio Lower Upper
98 100
100 62.1 49.8 74.6



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

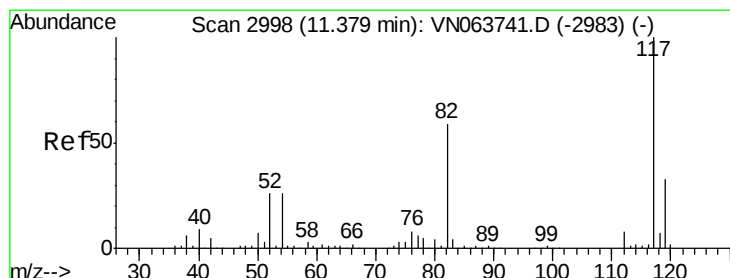
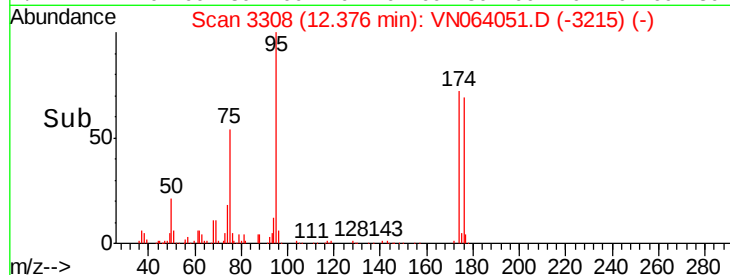
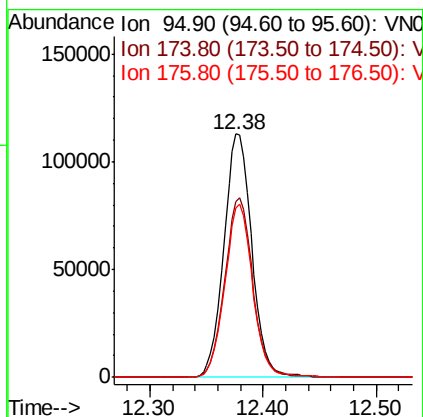
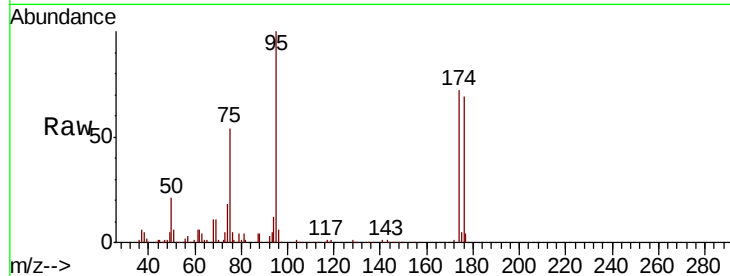




#62
4-Bromofluorobenzene
Concen: 49.839 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN064051.D
Acq: 9 Oct 2020 22:01

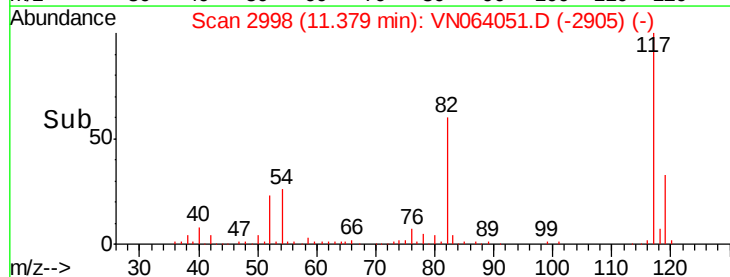
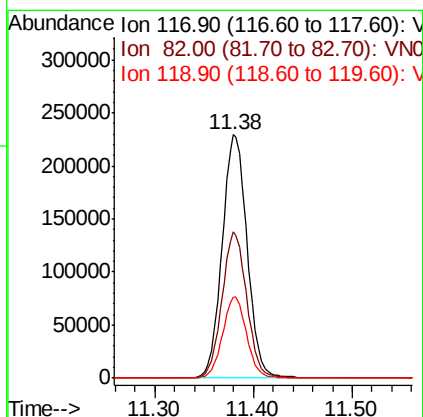
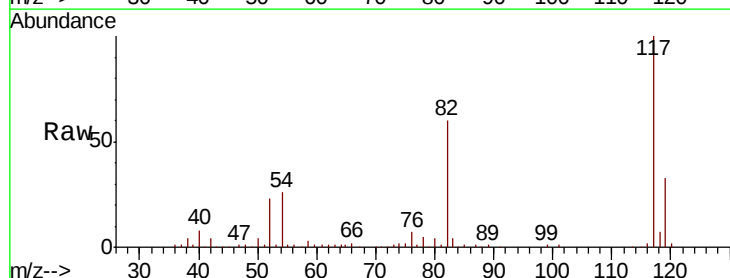
Instrument :
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VN1009WBL02

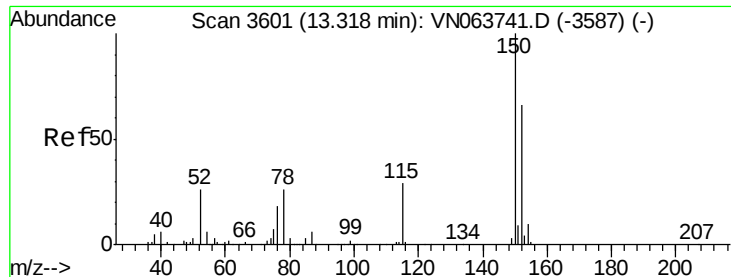
Tot Ion: 95 Resp: 194272
Ion Ratio Lower Upper
95 100
174 74.0 0.0 150.6
176 71.0 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN064051.D
Acq: 9 Oct 2020 22:01

Tgt Ion: 117 Resp: 408758
Ion Ratio Lower Upper
117 100
82 59.8 47.4 71.2
119 33.5 26.4 39.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN064051.D

Acq: 9 Oct 2020 22:01

Instrument :

MSVOA_N

ClientSampleId :

VN1009WBL02

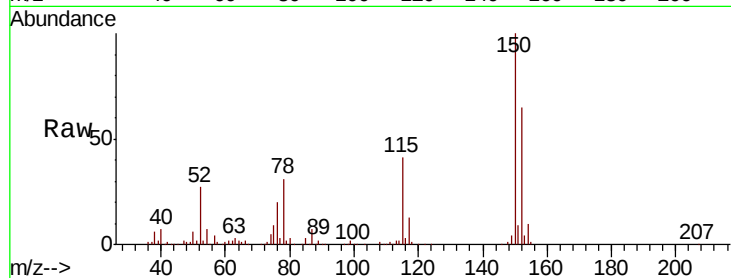
Tot Ion:152 Resp: 156141

Ion Ratio Lower Upper

152 100

115 63.2 31.3 93.8

150 156.3 0.0 341.8

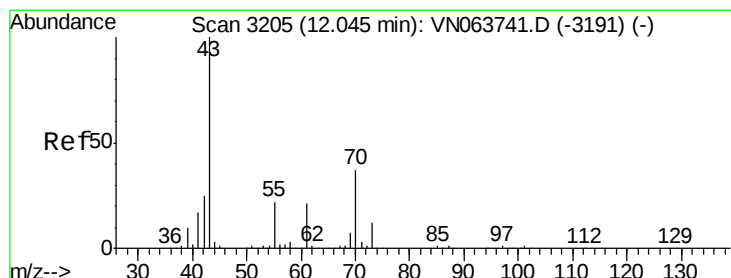
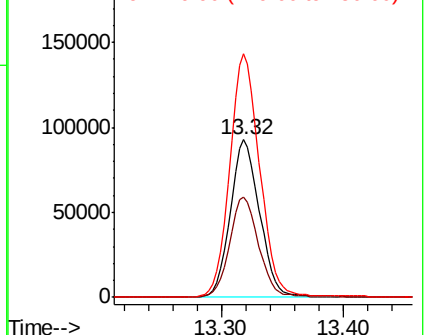
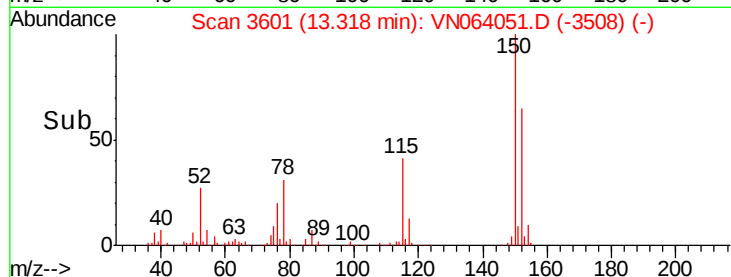


Abundance

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: 2.235 ug/l

RT: 12.05 min Scan# 3207

Delta R.T. 0.01 min

Lab File: VN064051.D

Acq: 9 Oct 2020 22:01

Tgt Ion: 43 Resp: 103

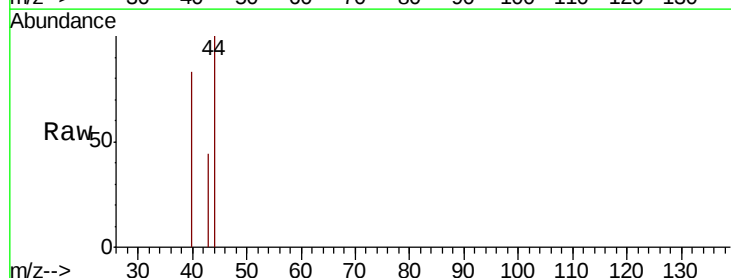
Ion Ratio Lower Upper

43 100

70 0.0 29.8 44.8#

55 0.0 17.9 26.9#

61 0.0 17.0 25.4#



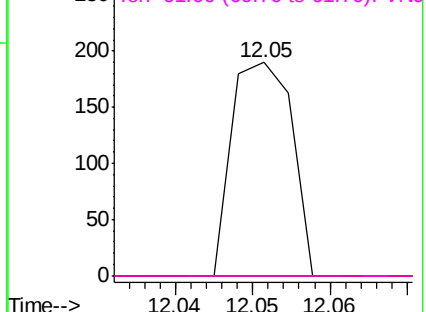
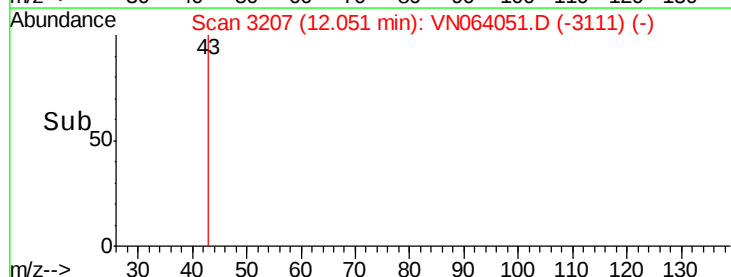
Abundance

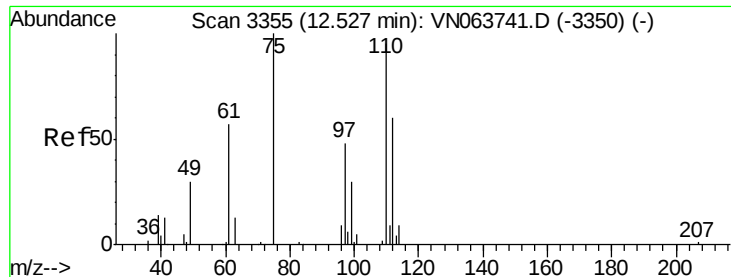
Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#76

1,2,3-Trichloropropane

Concen: 30.501 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. -0.15 min

Lab File: VN064051.D

Acq: 9 Oct 2020 22:01

Instrument :

MSVOA_N

ClientSampled :

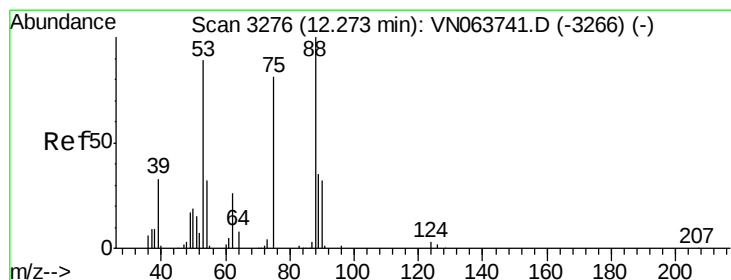
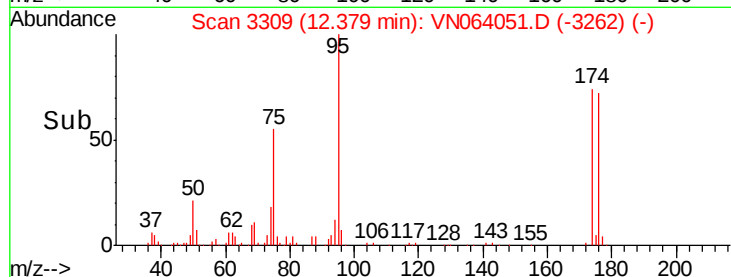
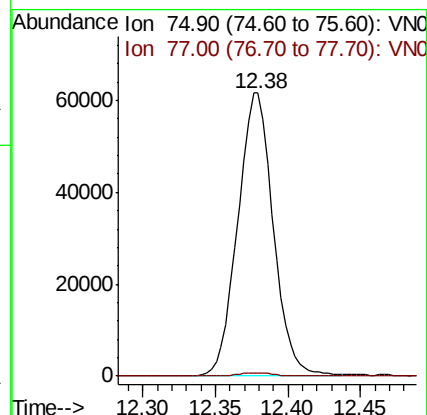
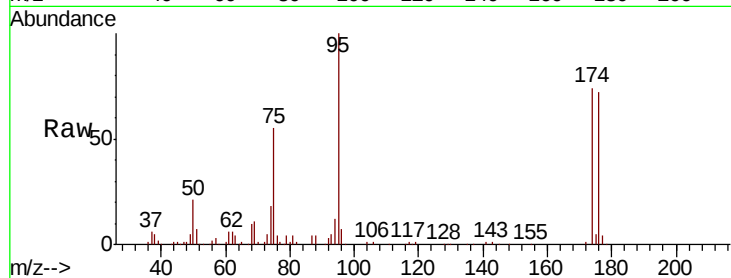
VN1009WBL02

Tot Ion: 75 Resp: 104983

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 87.847 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.11 min

Lab File: VN064051.D

Acq: 9 Oct 2020 22:01

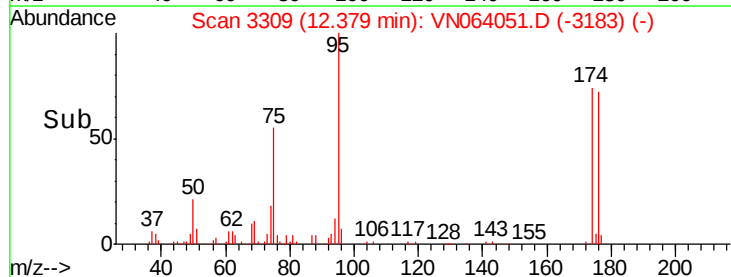
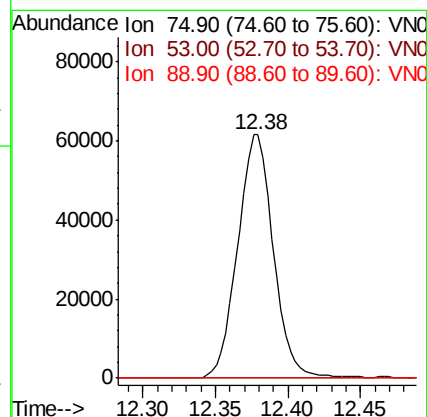
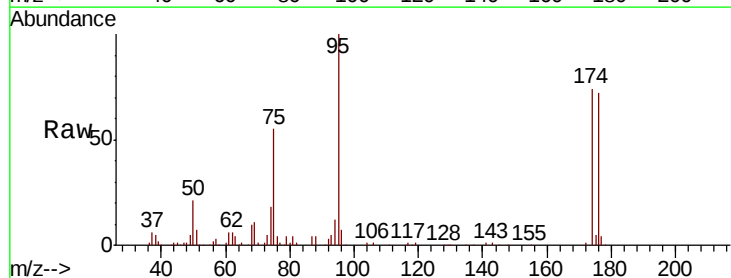
Tgt Ion: 75 Resp: 104983

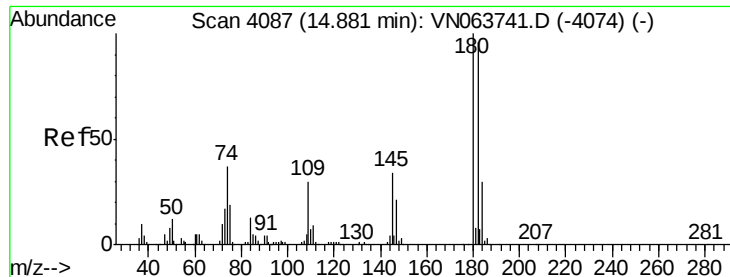
Ion Ratio Lower Upper

75 100

53 0.1 88.2 132.2#

89 0.0 36.0 54.0#

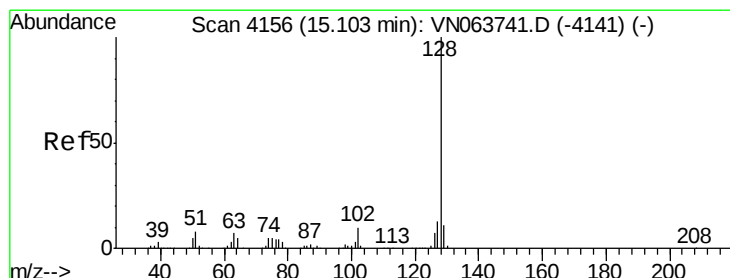
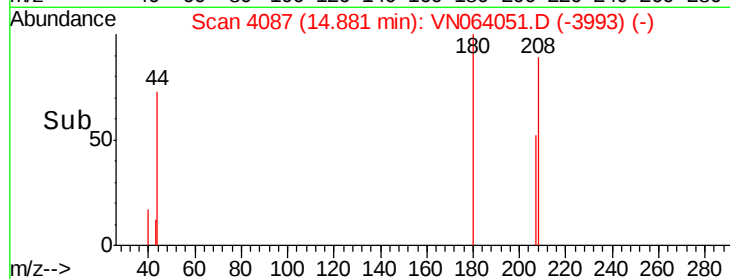
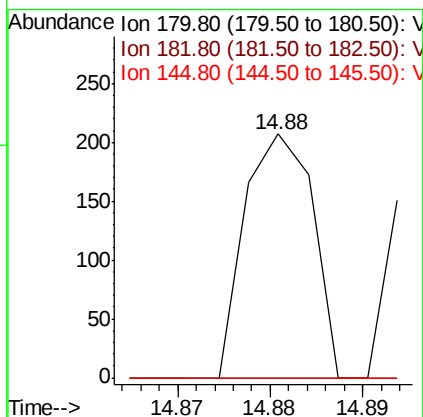
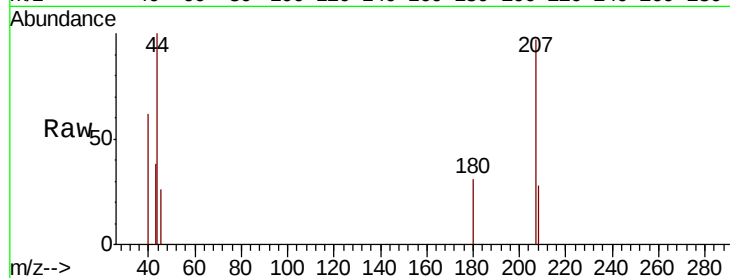




#93
 1,2,4-Trichlorobenzene
 Concen: 1.774 ug/l
 RT: 14.88 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN064051.D
 Acq: 9 Oct 2020 22:01

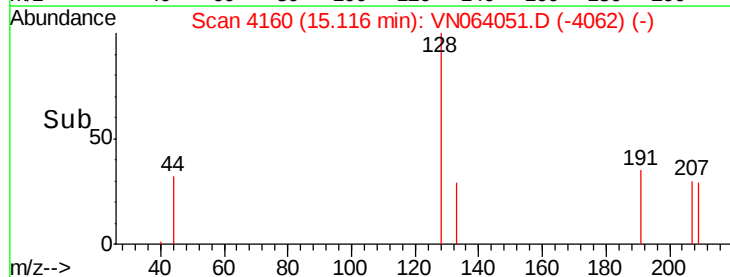
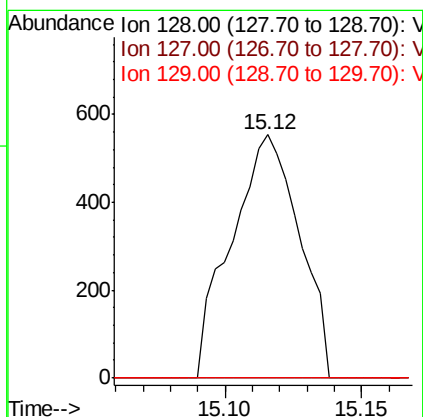
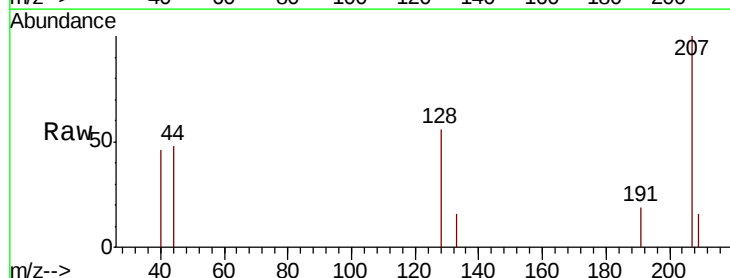
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBL02

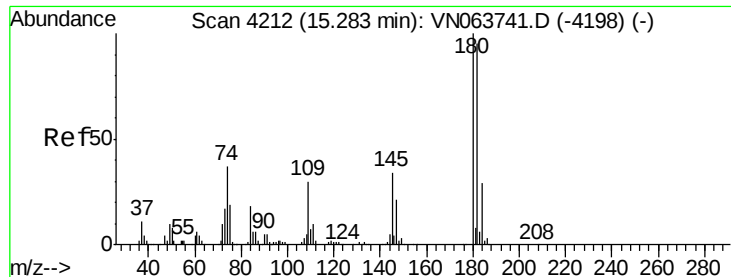
Tot Ion:180 Resp: 105
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.2 144.6#
 145 0.0 17.1 51.2#



#95
 Naphthalene
 Concen: 2.034 ug/l
 RT: 15.12 min Scan# 4160
 Delta R.T. 0.01 min
 Lab File: VN064051.D
 Acq: 9 Oct 2020 22:01

Tgt Ion:128 Resp: 956
 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: 1.591 ug/l
 RT: 15.28 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN064051.D
 Acq: 9 Oct 2020 22:01

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1009WBL02

Tot Ion:180 Resp: 63
 Ion Ratio Lower Upper
 180 100
 182 512.7 47.9 143.6#
 145 0.0 17.2 51.5#

