

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091620\
 Data File : VN063364.D
 Acq On : 16 Sep 2020 14:28
 Operator : JC/MD
 Sample : VN0916WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0916WBL01

Quant Time: Sep 17 04:05:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	251479	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	460667	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	456907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	197958	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	203902	47.63	ug/l	0.00
Spiked Amount						
			Recovery	=	95.26%	
35) Dibromofluoromethane	7.55	113	150235	47.11	ug/l	0.00
Spiked Amount						
			Recovery	=	94.22%	
50) Toluene-d8	10.06	98	602940	50.28	ug/l	0.00
Spiked Amount						
			Recovery	=	100.56%	
62) 4-Bromofluorobenzene	12.38	95	240663	54.75	ug/l	0.00
Spiked Amount						
			Recovery	=	109.50%	

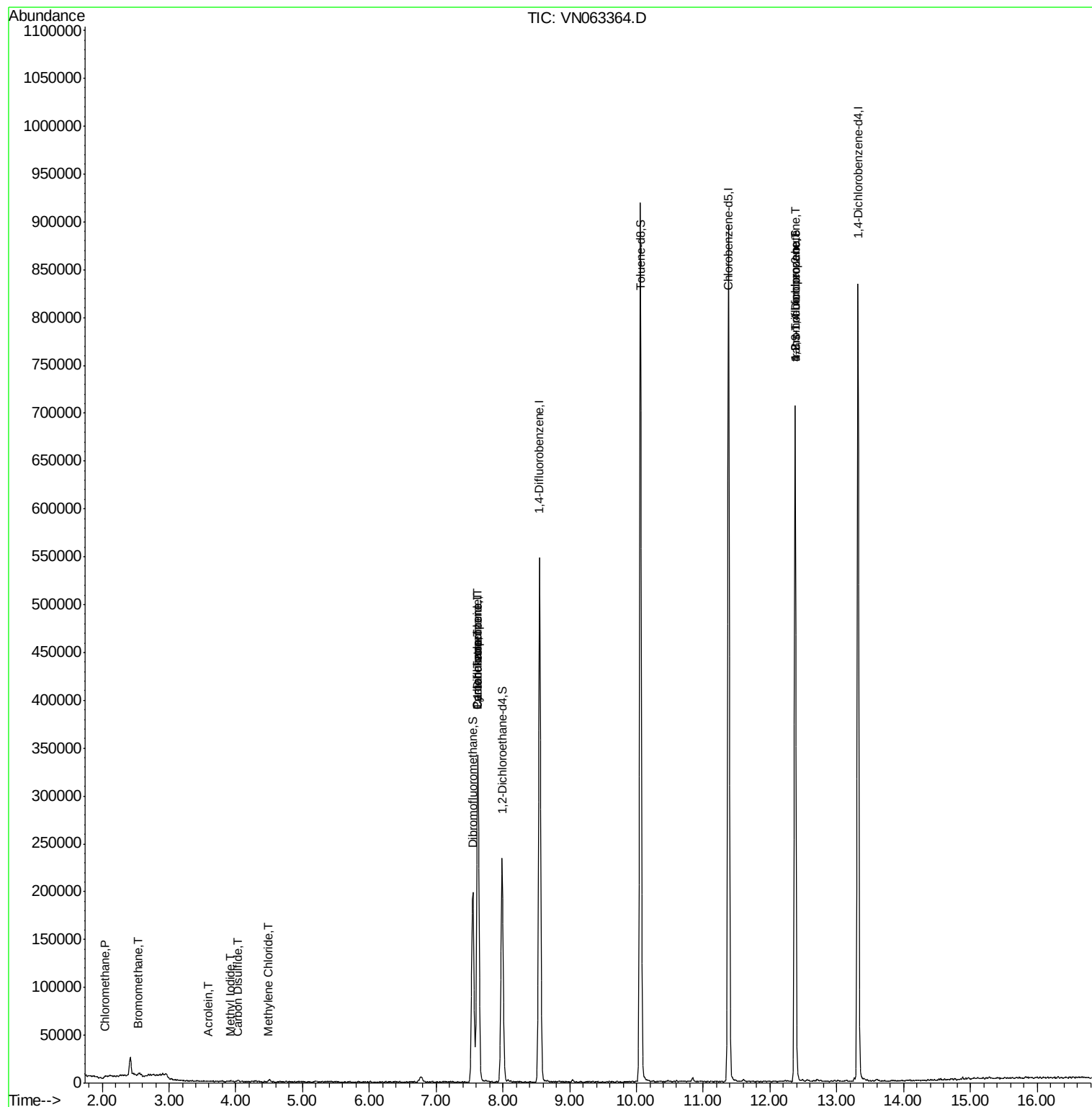
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	918	0.244	ug/l	94
5) Bromomethane	2.54	94	508	0.256	ug/l	98
10) Methyl Iodide	3.92	142	1164	0.319	ug/l #	70
13) Acrolein	3.59	56	115	0.523	ug/l	87
17) Carbon Disulfide	4.01	76	2432	0.295	ug/l #	75
20) Methylene Chloride	4.49	84	709	0.203	ug/l #	37
31) Cyclohexane	7.63	56	7510	1.270	ug/l #	15
36) 1,1-Dichloropropene	7.62	75	23894	4.869	ug/l #	51
38) Carbon Tetrachloride	7.62	117	27753	5.540	ug/l #	16
76) 1,2,3-Trichloropropane	12.38	75	134083	27.365	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	134083	75.025	ug/l #	7

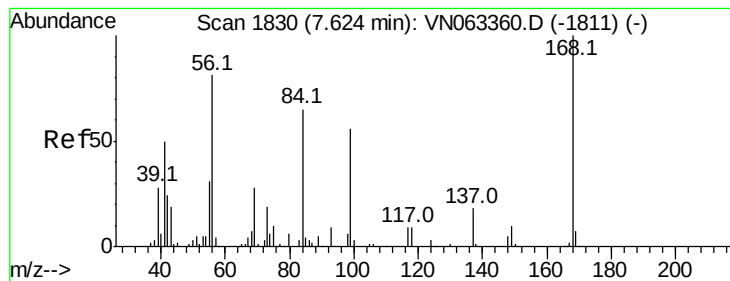
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 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: VN063364.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_N

ClientSampleId :

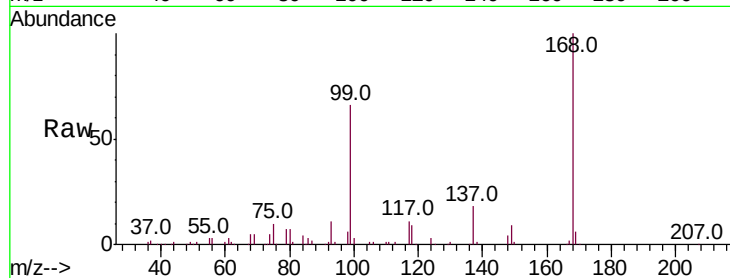
VN0916WBL01

Tot Ion:168 Resp: 251479

Ion Ratio Lower Upper

168 100

99 66.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

120000

100000

80000

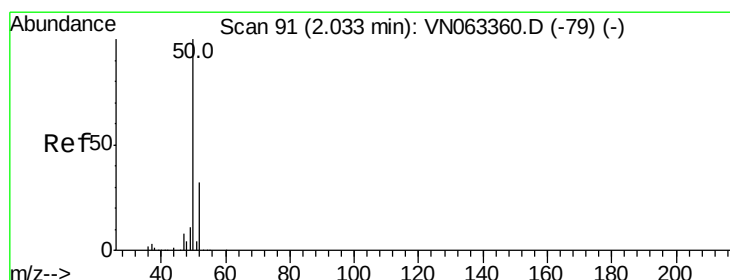
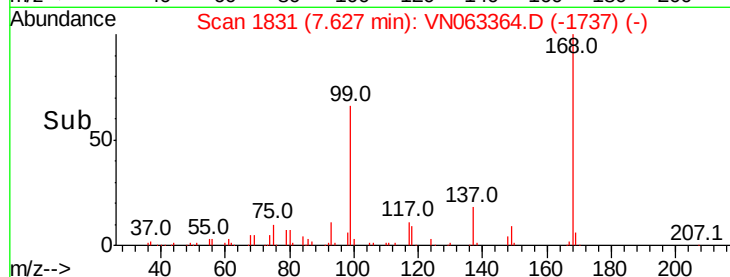
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 0.244 ug/l

RT: 2.04 min Scan# 94

Delta R.T. 0.01 min

Lab File: VN063364.D

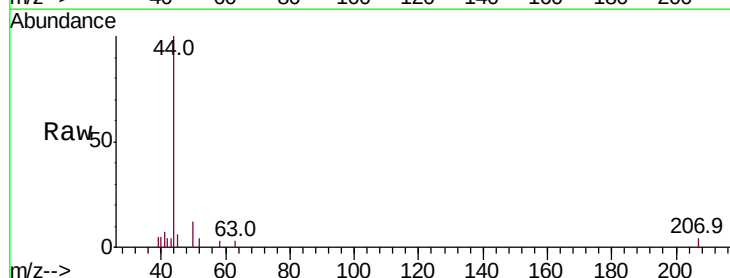
Acq: 16 Sep 2020 14:28

Tgt Ion: 50 Resp: 918

Ion Ratio Lower Upper

50 100

52 29.0 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

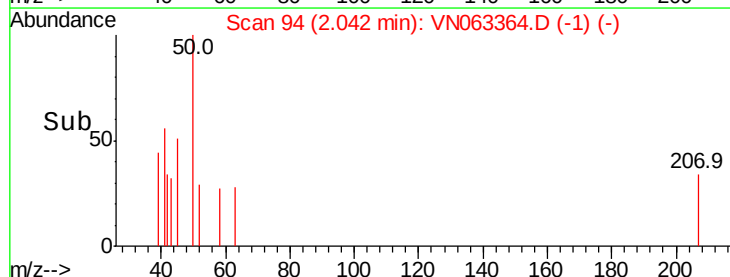
600

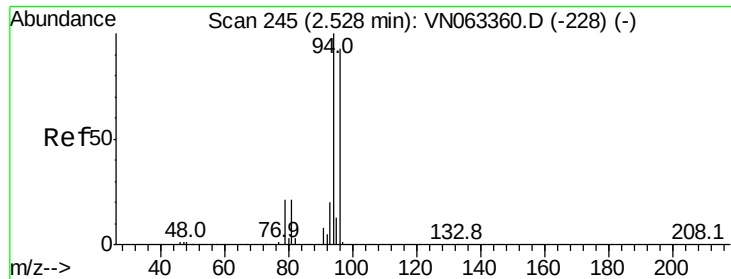
400

200

0

Time-->





#5

Bromomethane

Concen: 0.256 ug/l

RT: 2.54 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN063364.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_N

ClientSampled :

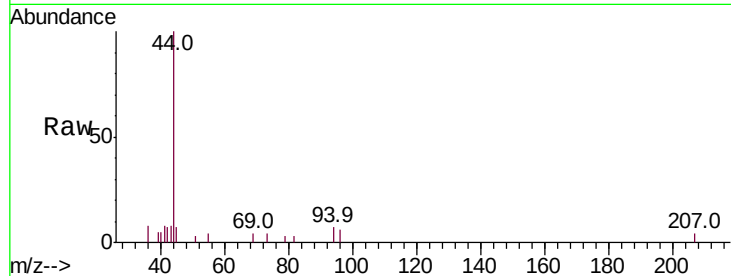
VN0916WBL01

Tot Ion: 94 Resp: 508

Ion Ratio Lower Upper

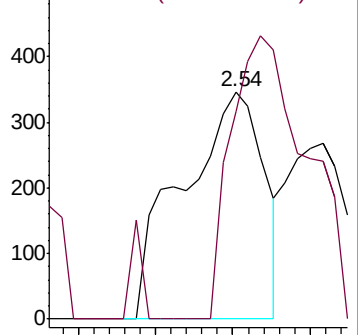
94 100

96 91.4 74.5 111.7

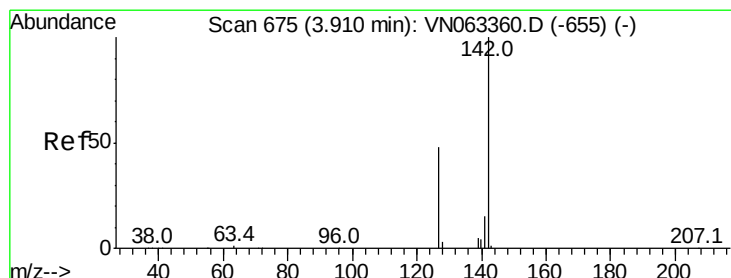
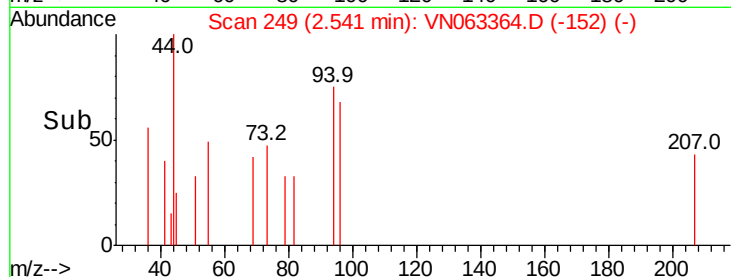


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#10

Methyl Iodide

Concen: 0.319 ug/l

RT: 3.92 min Scan# 677

Delta R.T. 0.01 min

Lab File: VN063364.D

Acq: 16 Sep 2020 14:28

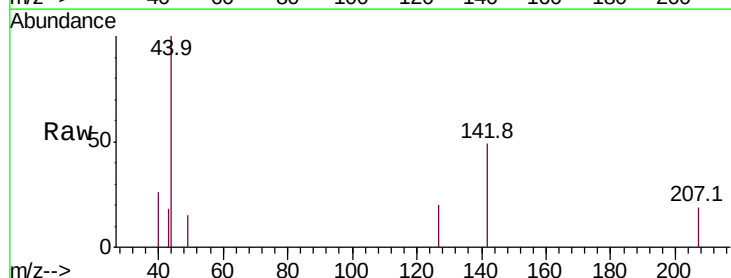
Tgt Ion: 142 Resp: 1164

Ion Ratio Lower Upper

142 100

127 29.7 39.0 58.6#

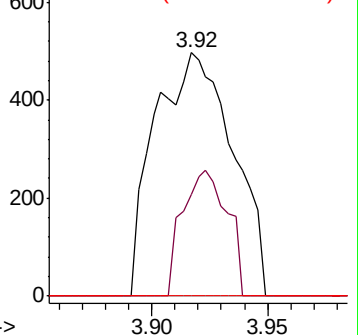
141 0.0 11.6 17.4#



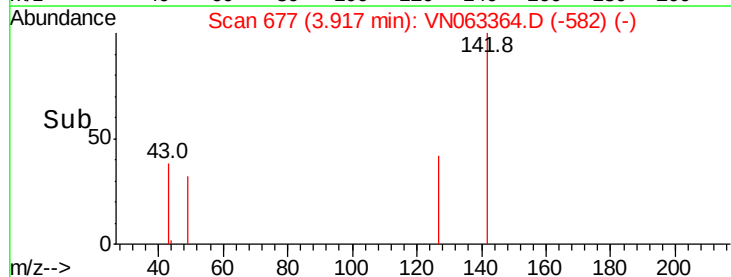
Abundance Ion 141.80 (141.50 to 142.50): V

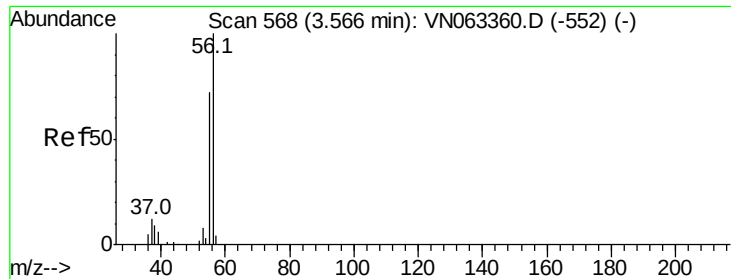
Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



Time-->





#13

Acrolein

Concen: 0.523 ug/l

RT: 3.59 min Scan# 575

Delta R.T. 0.02 min

Lab File: VN063364.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_N

ClientSampleId :

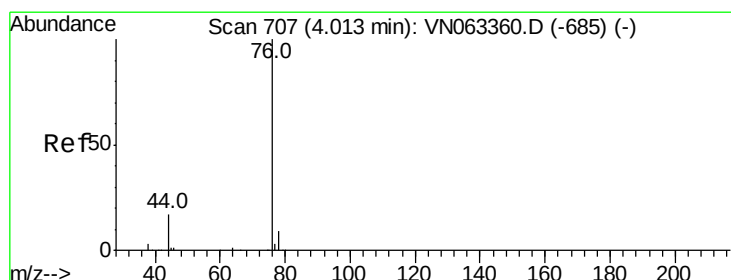
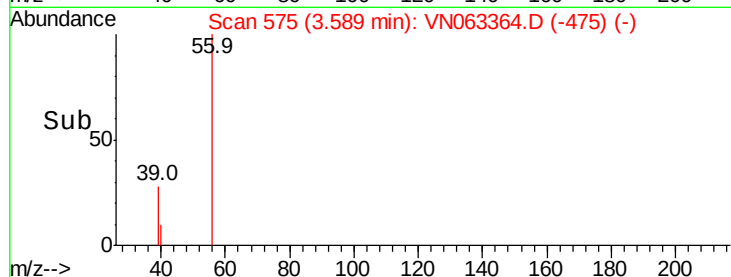
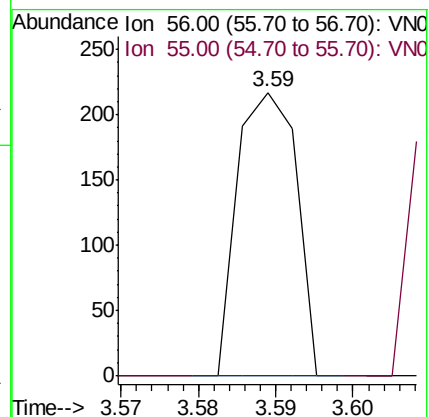
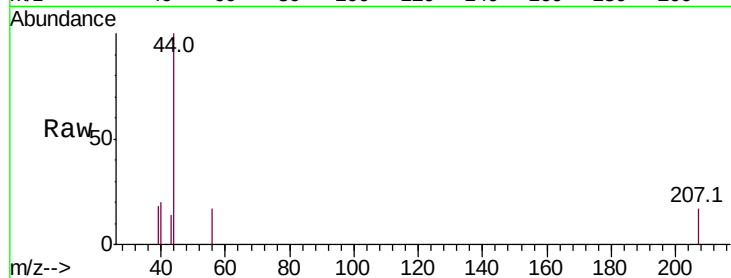
VN0916WBL01

Tot Ion: 56 Resp: 115

Ion Ratio Lower Upper

56 100

55 83.5 58.2 87.2



#17

Carbon Disulfide

Concen: 0.295 ug/l

RT: 4.01 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN063364.D

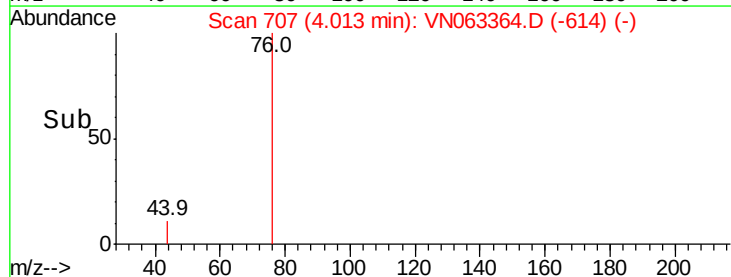
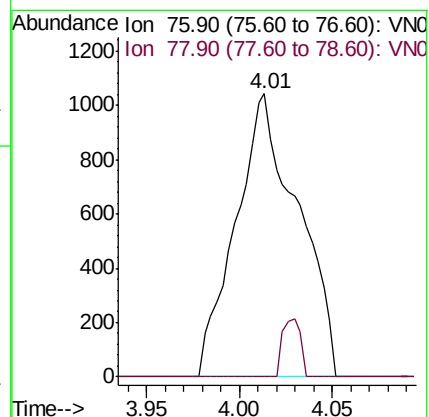
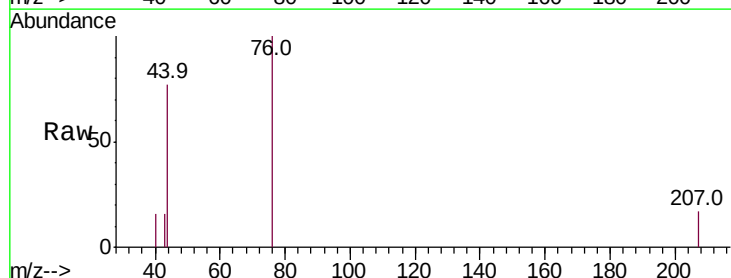
Acq: 16 Sep 2020 14:28

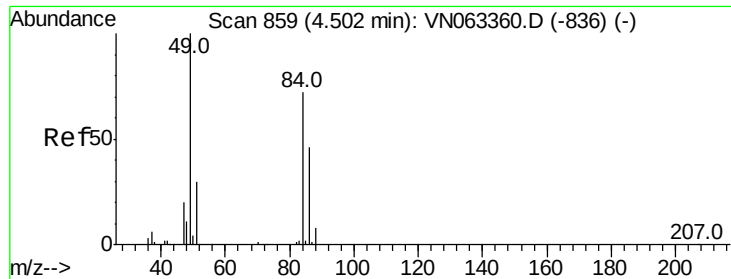
Tgt Ion: 76 Resp: 2432

Ion Ratio Lower Upper

76 100

78 0.0 7.2 10.8#

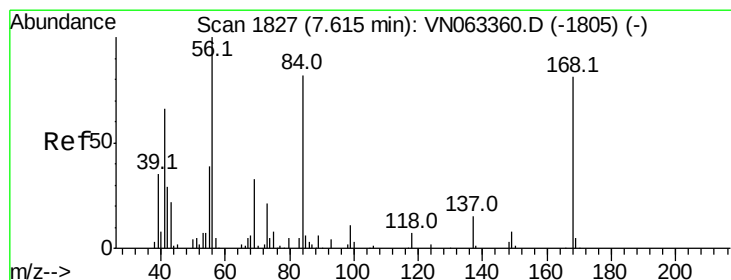
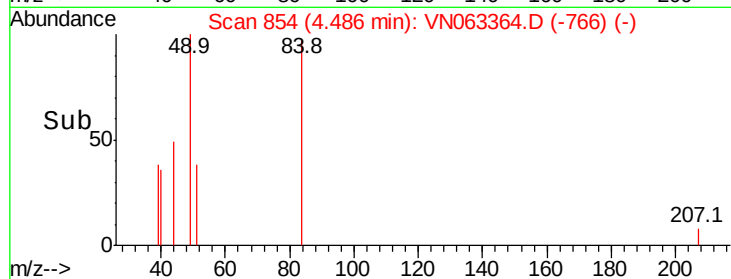
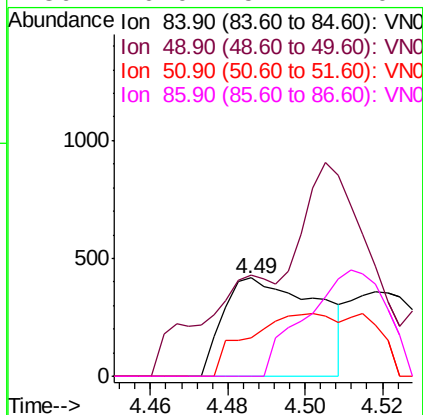
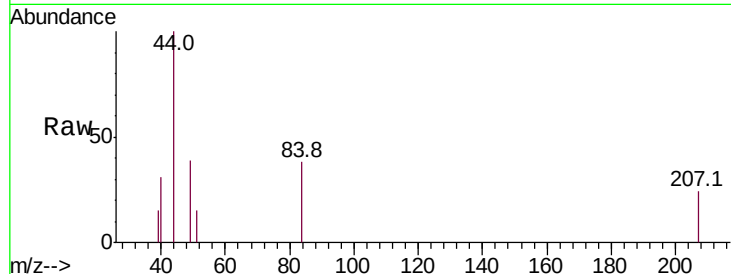




#20
Methylene Chloride
Concen: 0.203 ug/l
RT: 4.49 min Scan# 854
Delta R.T. -0.02 min
Lab File: VN063364.D
Acq: 16 Sep 2020 14:28

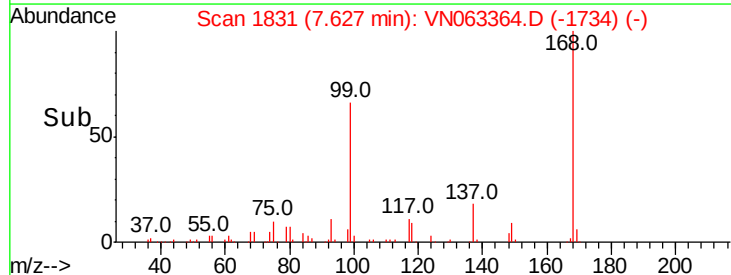
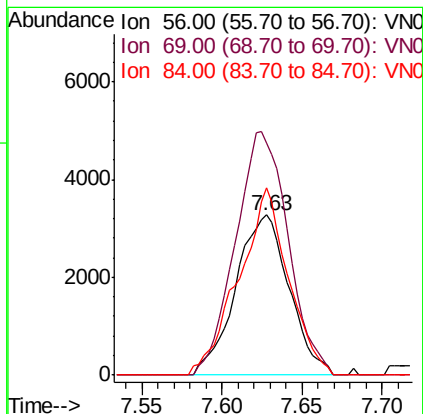
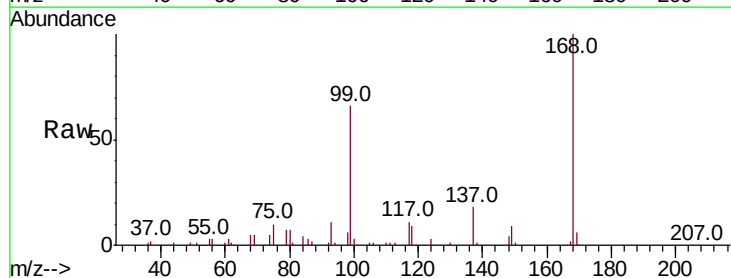
Instrument :
MSVOA_N
ClientSampled :
VN0916WBL01

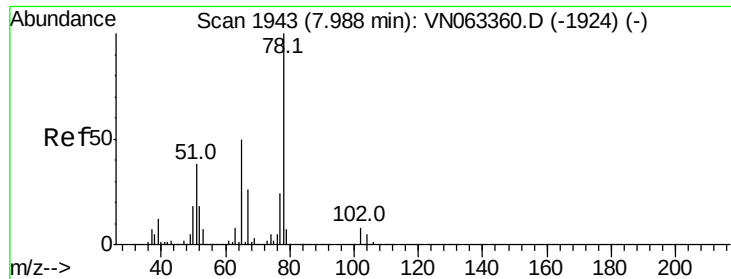
Tot Ion: 84 Resp: 709
Ion Ratio Lower Upper
84 100
49 52.4 110.7 166.1#
51 38.8 32.9 49.3
86 0.0 51.1 76.7#



#31
Cyclohexane
Concen: 1.270 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063364.D
Acq: 16 Sep 2020 14:28

Tgt Ion: 56 Resp: 7510
Ion Ratio Lower Upper
56 100
69 144.8 26.1 39.1#
84 117.2 65.4 98.2#

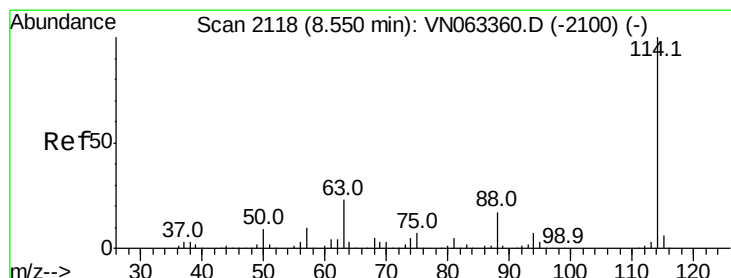
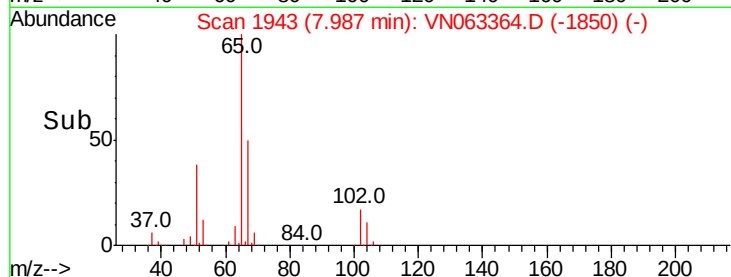
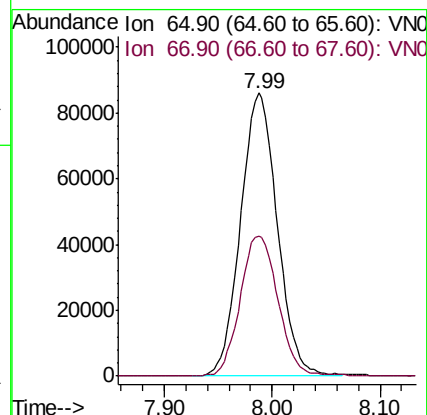
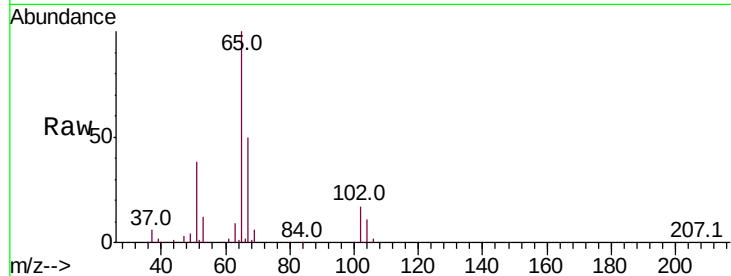




#33
 1,2-Dichloroethane-d4
 Concen: 47.631 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063364.D
 Acq: 16 Sep 2020 14:28

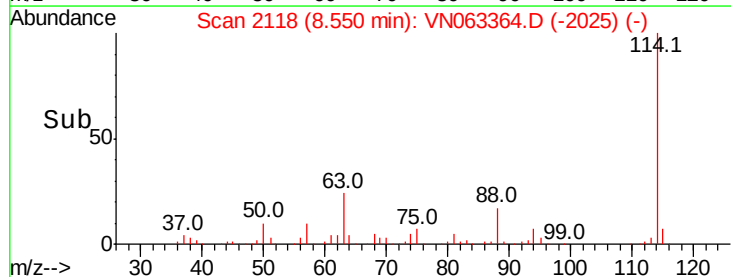
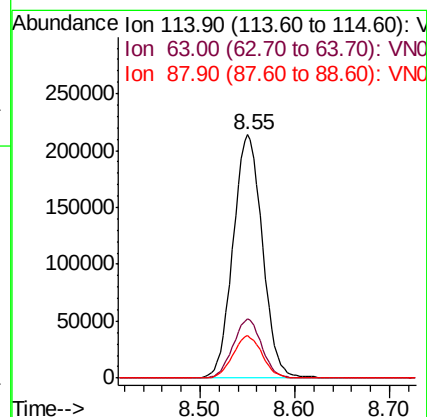
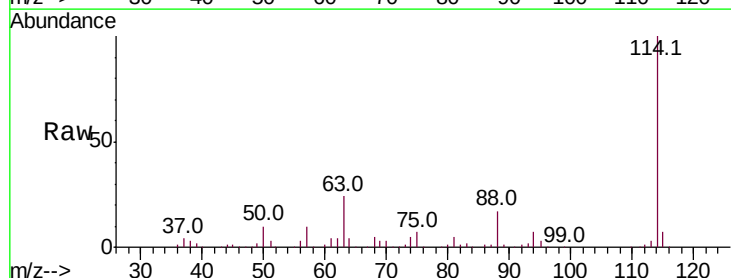
Instrument :
 MSVOA_N
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 VN0916WBL01

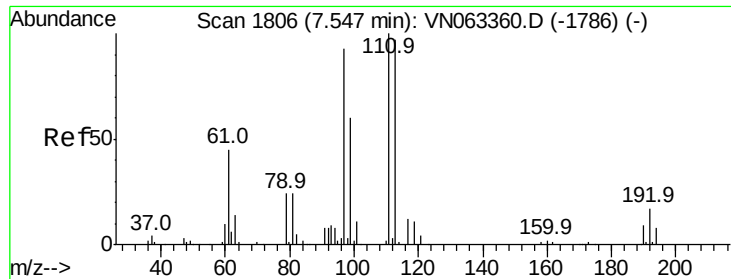
Tot Ion: 65 Resp: 203902
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063364.D
 Acq: 16 Sep 2020 14:28

Tgt Ion: 114 Resp: 460667
 Ion Ratio Lower Upper
 114 100
 63 24.3 0.0 46.4
 88 17.4 0.0 33.2

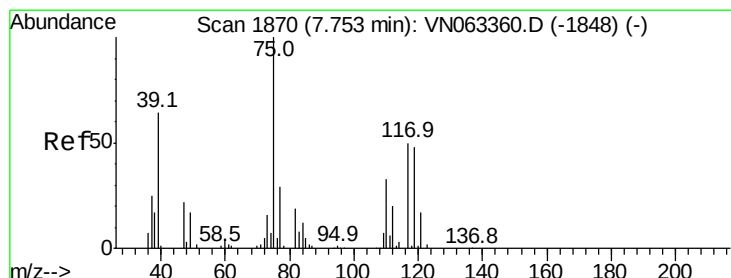
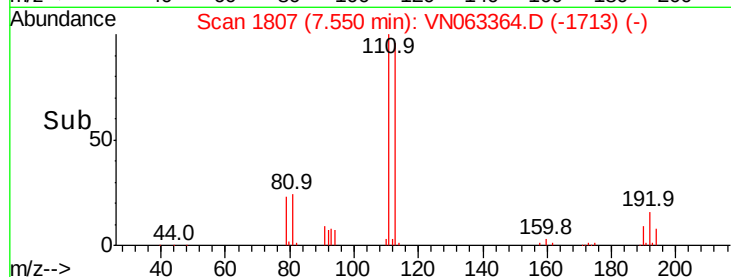
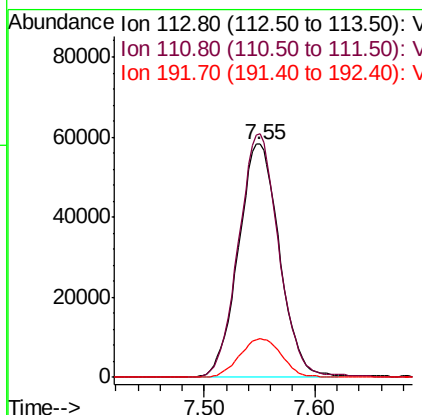
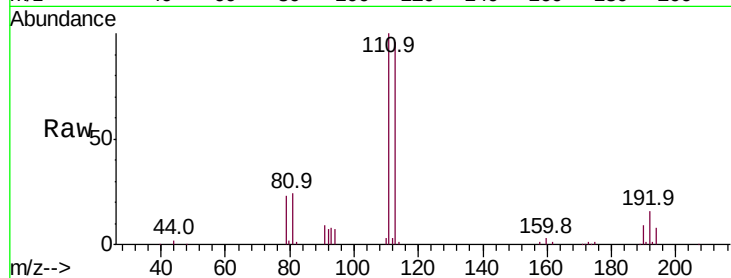




#35
Dibromofluoromethane
Concen: 47.109 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063364.D
Acq: 16 Sep 2020 14:28

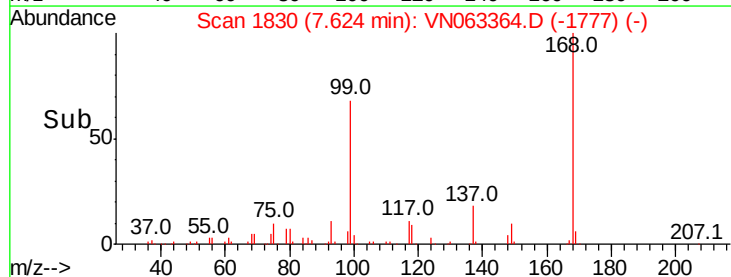
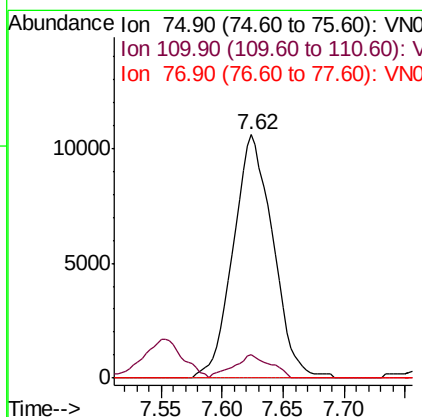
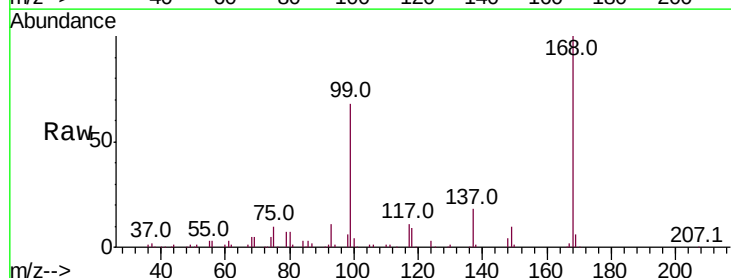
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBL01

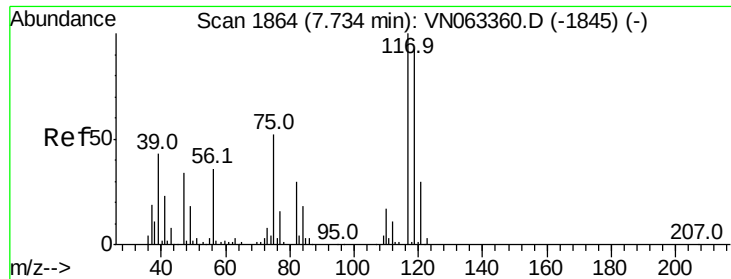
Tot Ion:113 Resp: 150235
Ion Ratio Lower Upper
113 100
111 101.8 82.9 124.3
192 17.0 13.9 20.9



#36
1,1-Dichloropropene
Concen: 4.869 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.13 min
Lab File: VN063364.D
Acq: 16 Sep 2020 14:28

Tgt Ion: 75 Resp: 23894
Ion Ratio Lower Upper
75 100
110 9.0 16.5 49.5#
77 0.0 24.6 36.8#

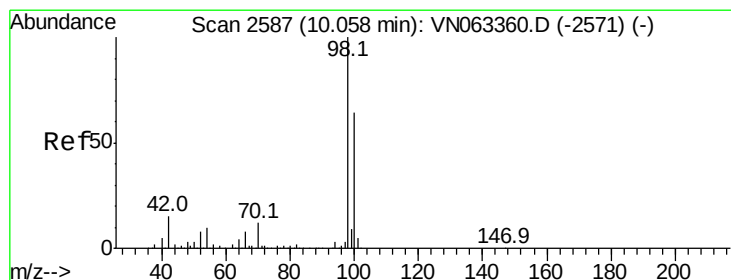
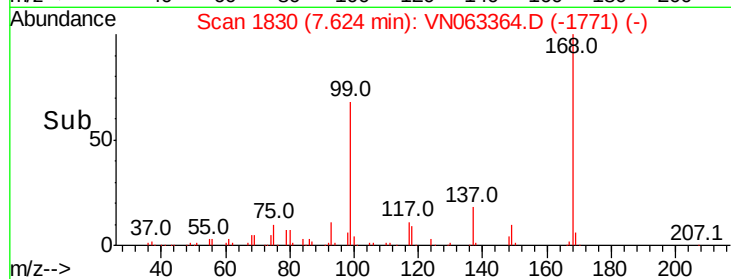
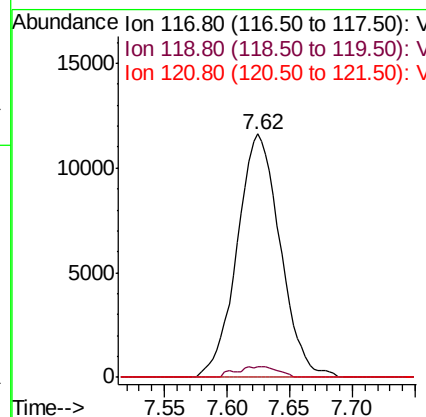
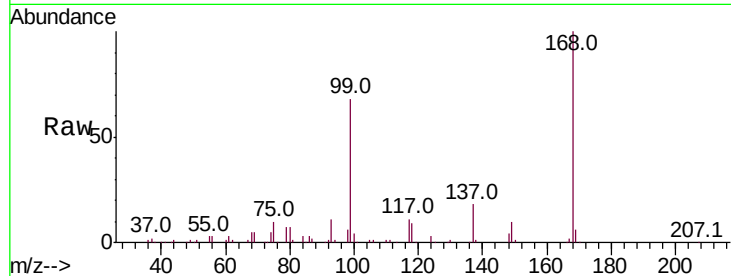




#38
Carbon Tetrachloride
Concen: 5.540 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. -0.11 min
Lab File: VN063364.D
Acq: 16 Sep 2020 14:28

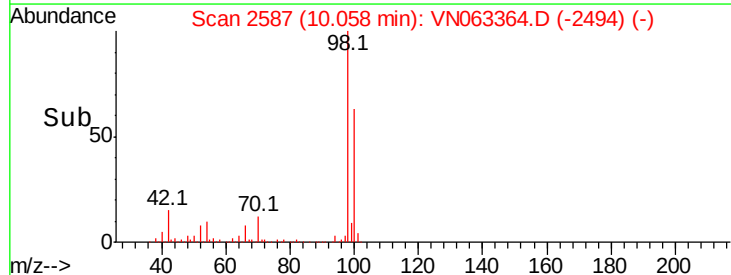
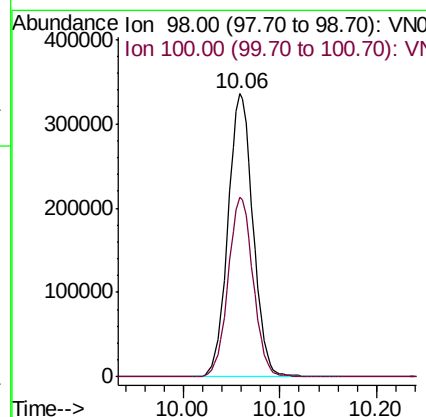
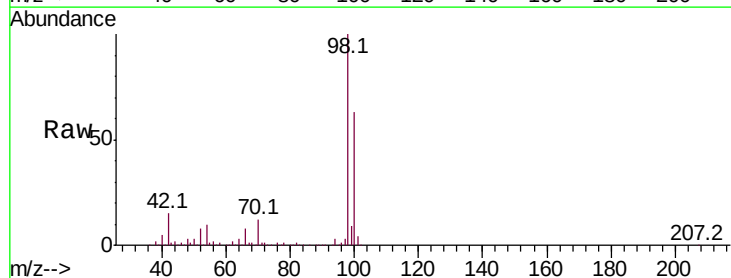
Instrument :
MSVOA_N
ClientSampleId :
VN0916WBL01

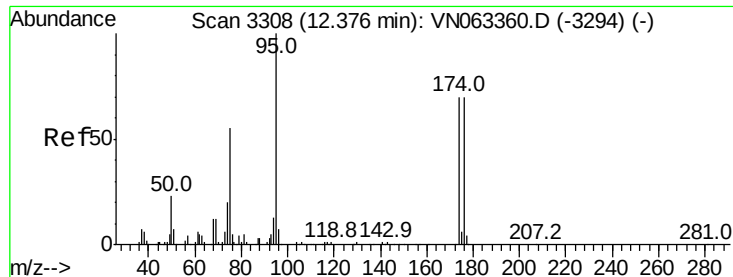
Tot Ion:117 Resp: 27753
Ion Ratio Lower Upper
117 100
119 4.2 74.5 111.7#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 50.280 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063364.D
Acq: 16 Sep 2020 14:28

Tgt Ion: 98 Resp: 602940
Ion Ratio Lower Upper
98 100
100 63.3 50.7 76.1





#62

4-Bromofluorobenzene

Concen: 54.747 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063364.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBL01

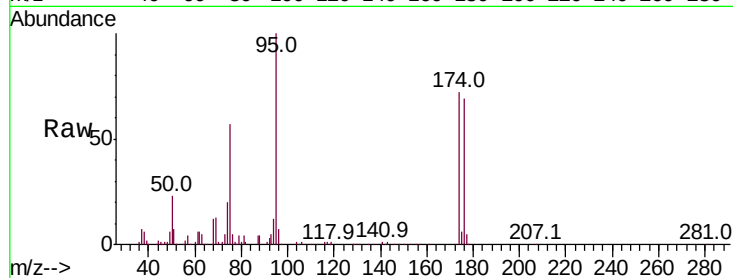
Tot Ion: 95 Resp: 240663

Ion Ratio Lower Upper

95 100

174 70.1 0.0 140.8

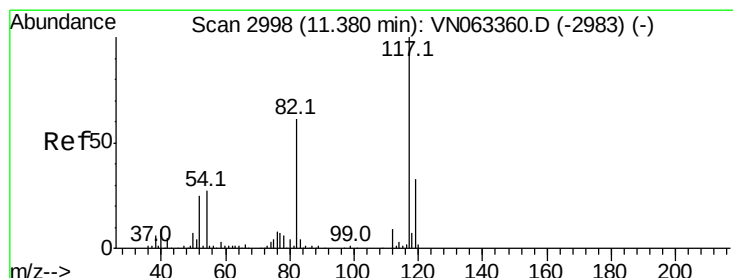
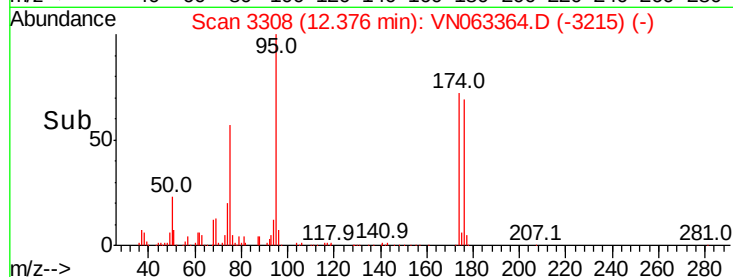
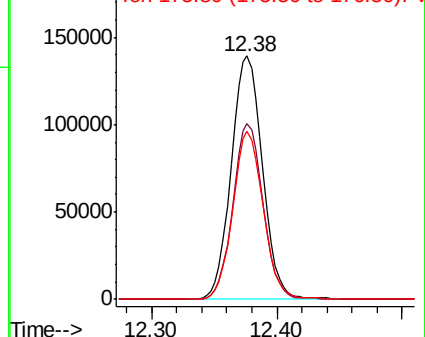
176 67.0 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063364.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063364.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063364.D (-3294) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063364.D

Acq: 16 Sep 2020 14:28

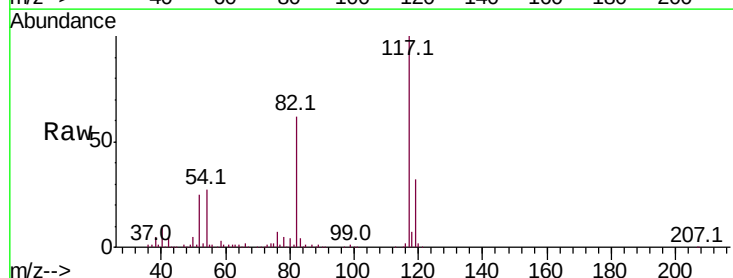
Tgt Ion: 117 Resp: 456907

Ion Ratio Lower Upper

117 100

82 62.0 49.2 73.8

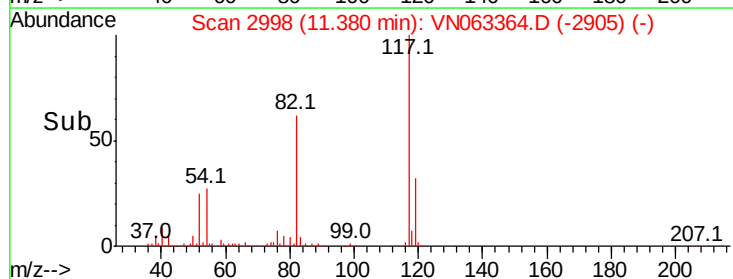
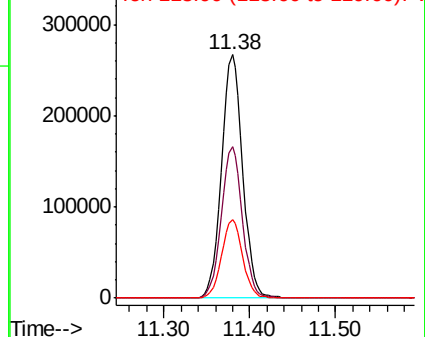
119 32.1 26.2 39.4

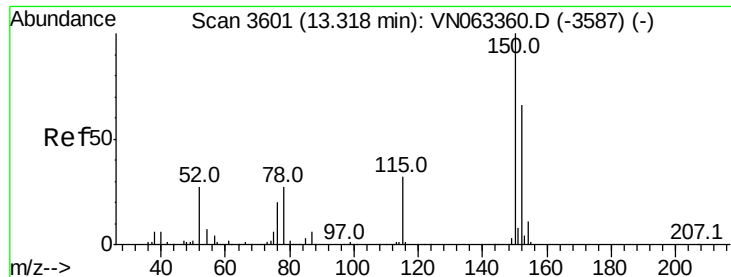


Abundance Ion 116.90 (116.60 to 117.60): VN063364.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063364.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063364.D (-2983) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063364.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_N

ClientSampled :

VN0916WBL01

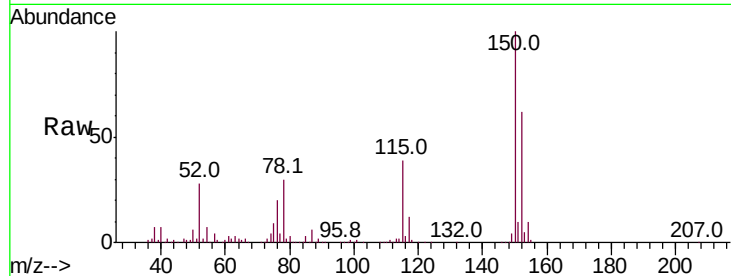
Tot Ion:152 Resp: 197958

Ion Ratio Lower Upper

152 100

115 64.4 32.2 96.6

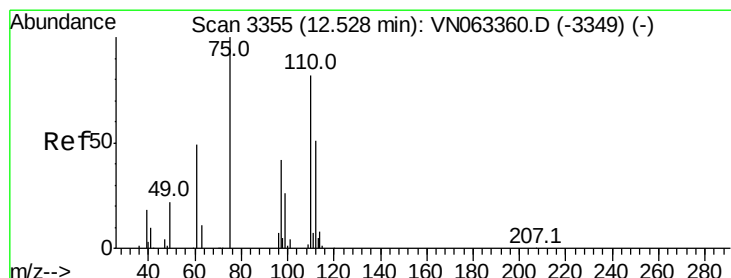
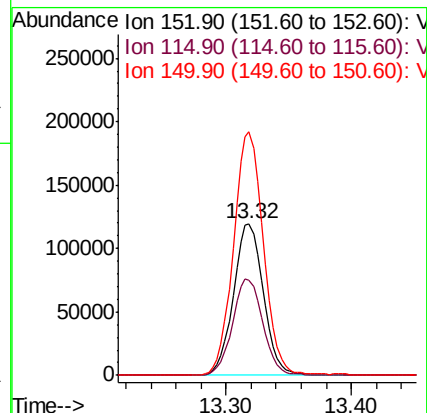
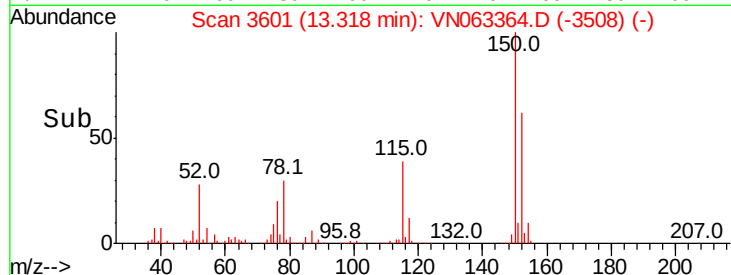
150 160.2 0.0 343.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 27.365 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063364.D

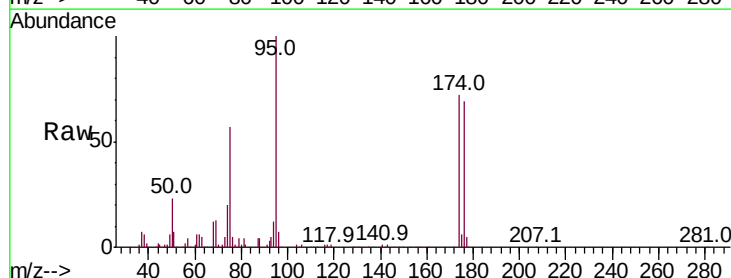
Acq: 16 Sep 2020 14:28

Tgt Ion: 75 Resp: 134083

Ion Ratio Lower Upper

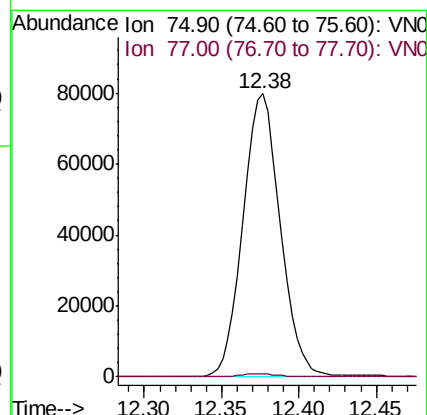
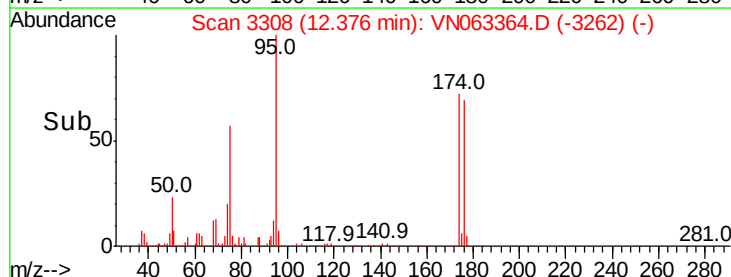
75 100

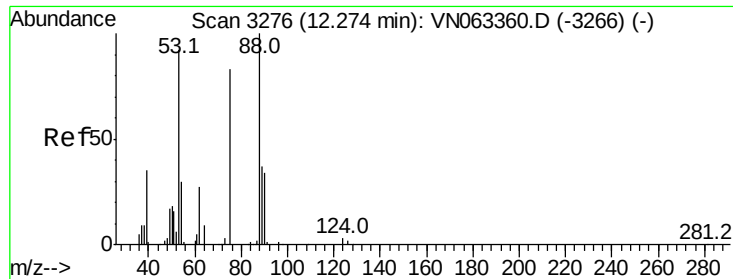
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 75.025 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063364.D

Acq: 16 Sep 2020 14:28

Instrument :

MSVOA_N

ClientSampleId :

VN0916WBL01

Tot Ion: 75 Resp: 134083

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

