

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN091720\
 Data File : VN063443.D
 Acq On : 18 Sep 2020 1:34
 Operator : JC/MD
 Sample : L4021-07
 Misc : 9.68g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B16-5-7

Quant Time: Sep 18 05:12:21 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	7.62	168	231291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	428401	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	428394	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	188662	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.98	65	187780	47.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.38%	
35) Dibromofluoromethane	7.55	113	136374	45.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.96%	
50) Toluene-d8	10.06	98	549070	49.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.48%	
62) 4-Bromofluorobenzene	12.38	95	213249	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	

Target Compounds

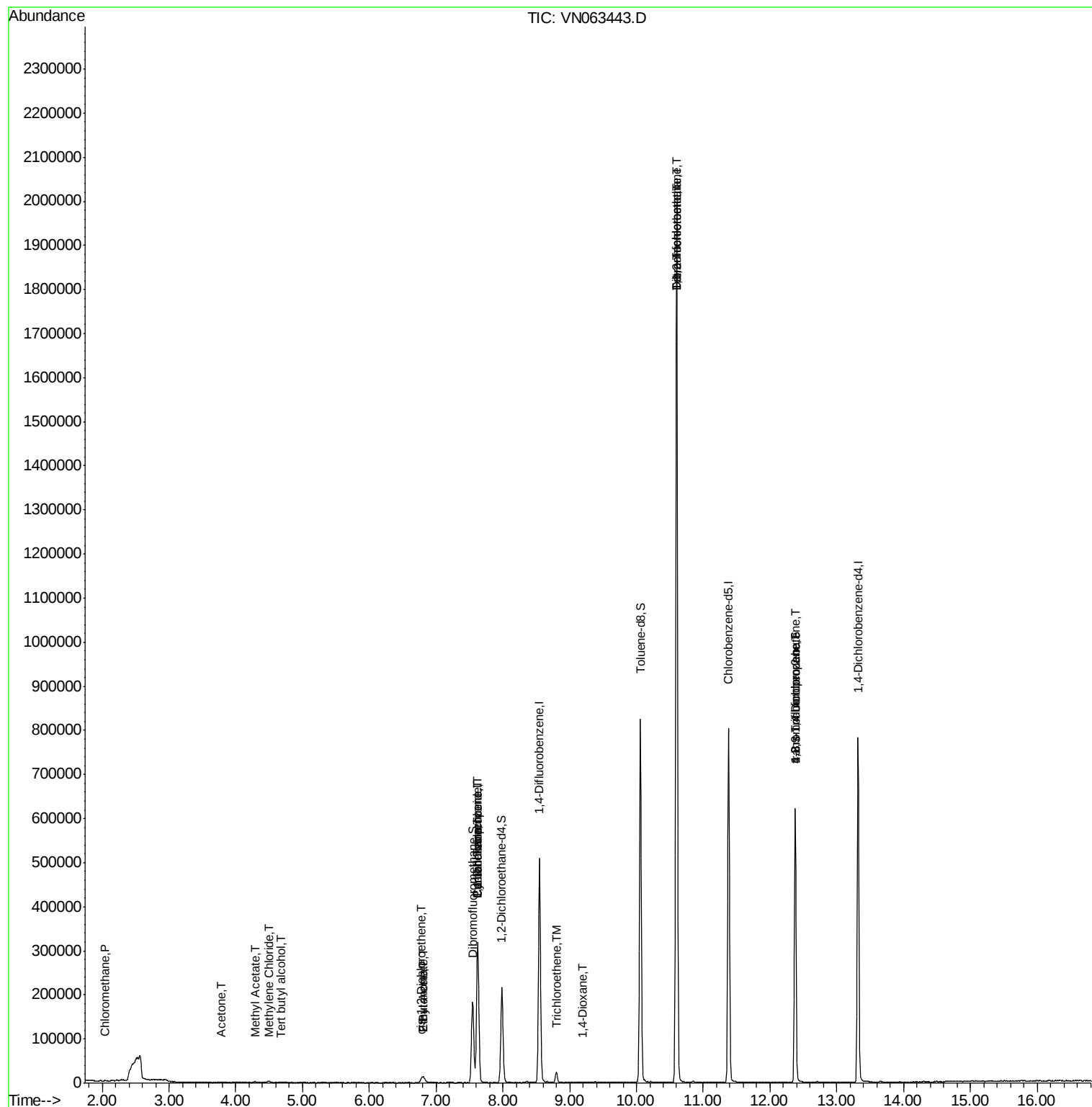
						Qvalue
3) Chloromethane	2.04	50	753	0.217	ug/l #	42
11) Tert butyl alcohol	4.67	59	308	0.565	ug/l #	72
16) Acetone	3.78	43	951	0.752	ug/l #	47
18) Methyl Acetate	4.29	43	4308	1.341	ug/l #	70
20) Methylene Chloride	4.49	84	1985	0.619	ug/l #	70
25) 2-Butanone	6.80	43	5722	2.940	ug/l #	82
27) cis-1,2-Dichloroethene	6.77	96	1145	0.350	ug/l #	1
31) Cyclohexane	7.62	56	7218	1.327	ug/l #	41
36) 1,1-Dichloropropene	7.62	75	21464	4.703	ug/l #	51
37) Ethyl Acetate	6.80	43	5722	1.277	ug/l #	70
38) Carbon Tetrachloride	7.62	117	24984	5.363	ug/l #	16
44) Trichloroethene	8.80	130	7374	2.334	ug/l	93
49) 1,4-Dioxane	9.19	88	30	0.531	ug/l #	1
55) 1,1,2-Trichloroethane	10.60	97	4266	1.371	ug/l #	13
60) Dibromochloromethane	10.60	129	413956	117.767	ug/l #	10
64) Tetrachloroethene	10.60	164	411003	140.897	ug/l	99
76) 1,2,3-Trichloropropane	12.38	75	121956	26.117	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	121956	71.602	ug/l #	7

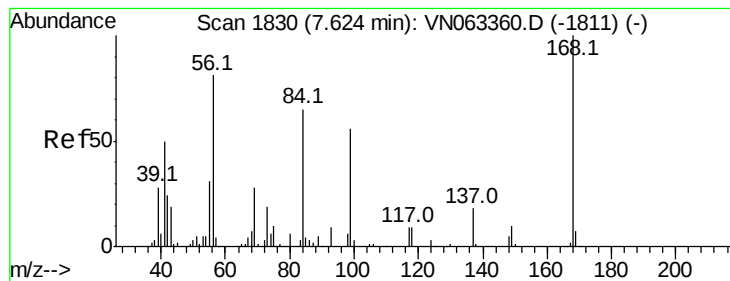
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.62 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN063443.D

Acq: 18 Sep 2020 1:34

Instrument :

MSVOA_N

ClientSampled :

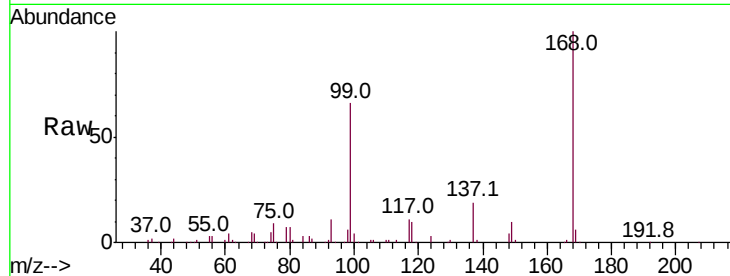
B16-5-7

Tot Ion:168 Resp: 231291

Ion Ratio Lower Upper

168 100

99 66.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.62

100000

80000

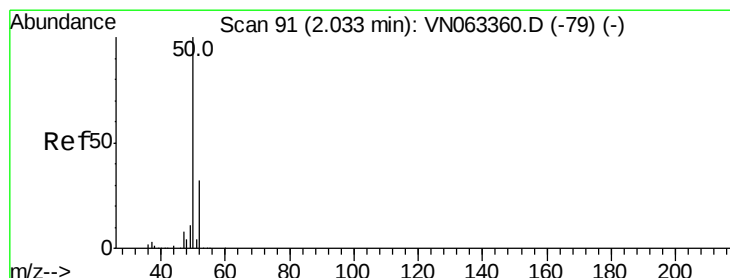
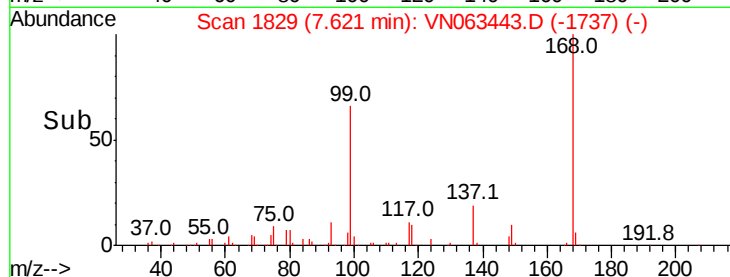
60000

40000

20000

0

Time--> 7.50 7.55 7.60 7.65 7.70



#3

Chloromethane

Concen: 0.217 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063443.D

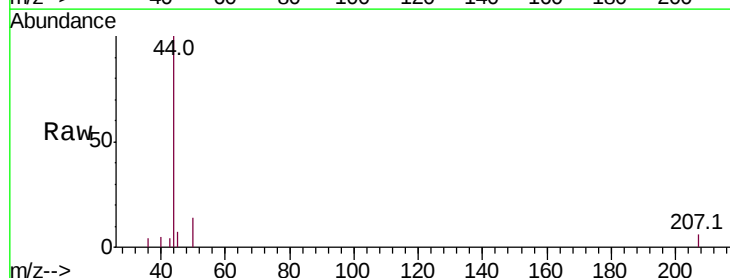
Acq: 18 Sep 2020 1:34

Tgt Ion: 50 Resp: 753

Ion Ratio Lower Upper

50 100

52 0.0 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

600

500

400

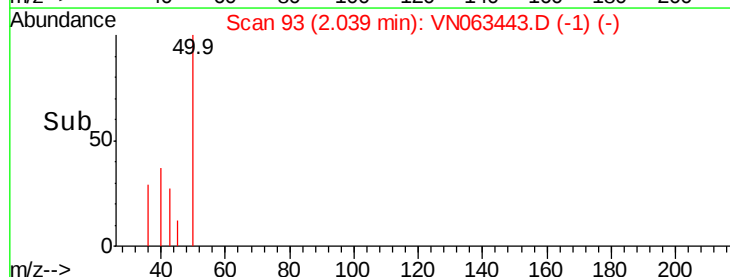
300

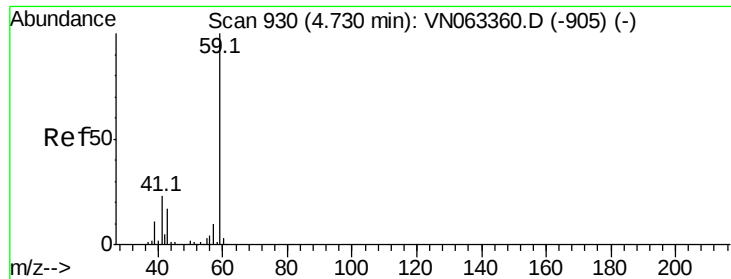
200

100

0

Time--> 2.00 2.02 2.04 2.06

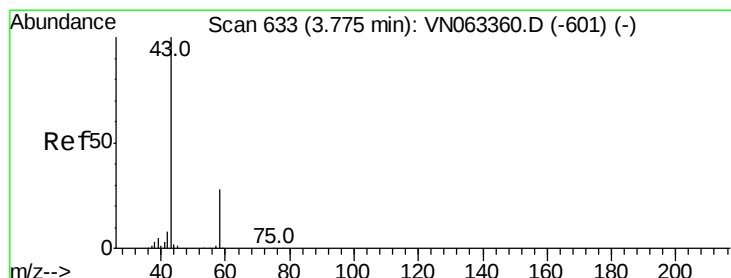
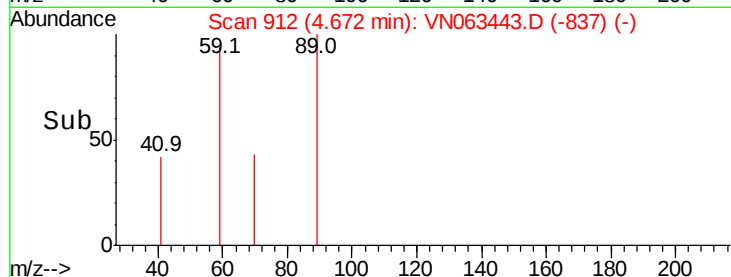
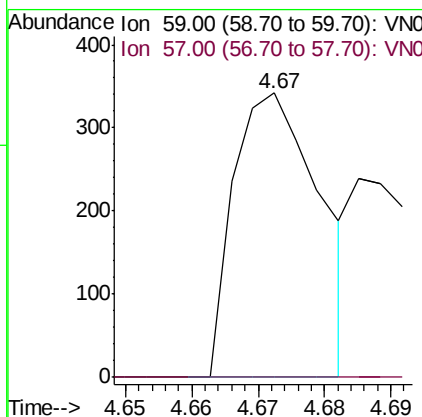
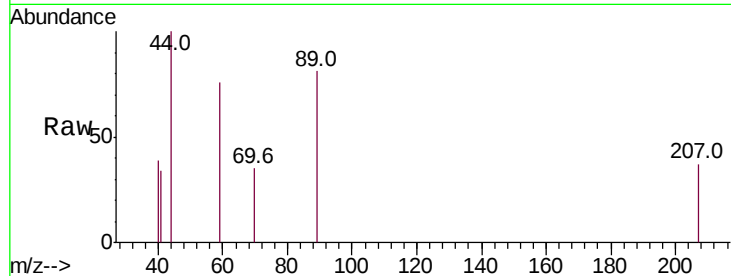




#11
Tert butyl alcohol
Concen: 0.565 ug/l
RT: 4.67 min Scan# 912
Delta R.T. -0.06 min
Lab File: VN063443.D
Acq: 18 Sep 2020 1:34

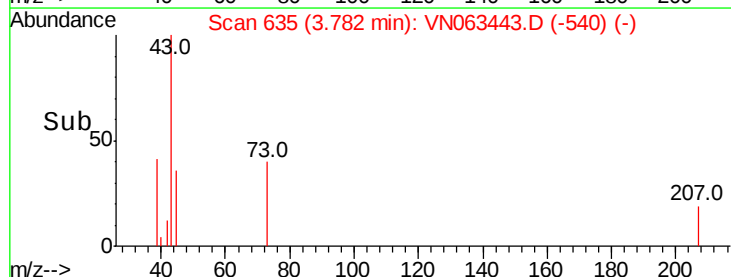
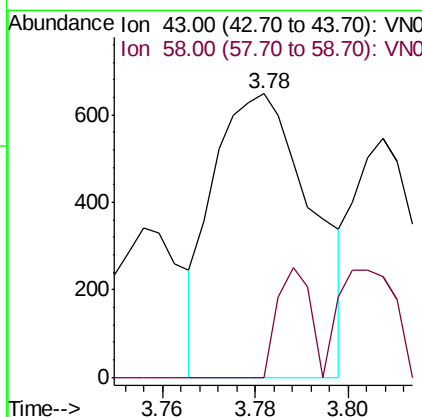
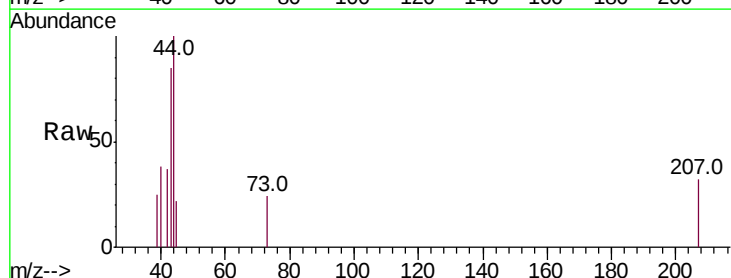
Instrument :
MSVOA_N
ClientSampleId :
B16-5-7

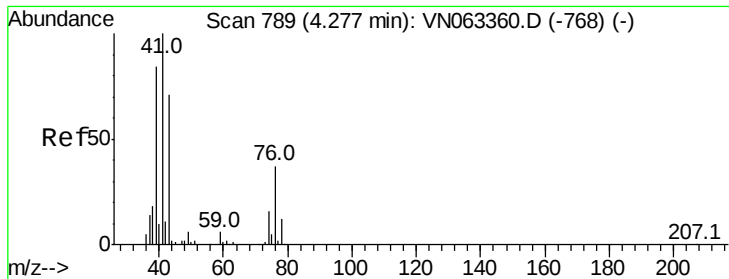
Tot Ion: 59 Resp: 308
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#16
Acetone
Concen: 0.752 ug/l
RT: 3.78 min Scan# 635
Delta R.T. 0.01 min
Lab File: VN063443.D
Acq: 18 Sep 2020 1:34

Tgt Ion: 43 Resp: 951
Ion Ratio Lower Upper
43 100
58 0.0 22.3 33.5#





#18

Methyl Acetate

Concen: 1.341 ug/l

RT: 4.29 min Scan# 793

Delta R.T. 0.01 min

Lab File: VN063443.D

Acq: 18 Sep 2020 1:34

Instrument :

MSVOA_N

ClientSampled :

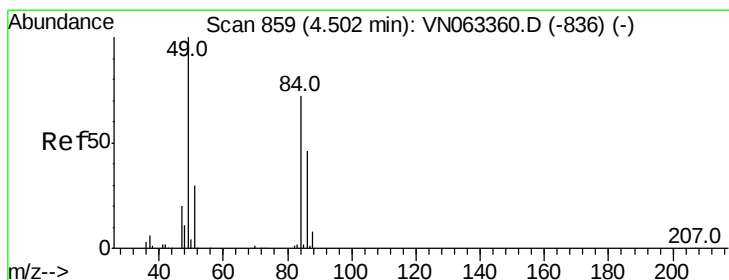
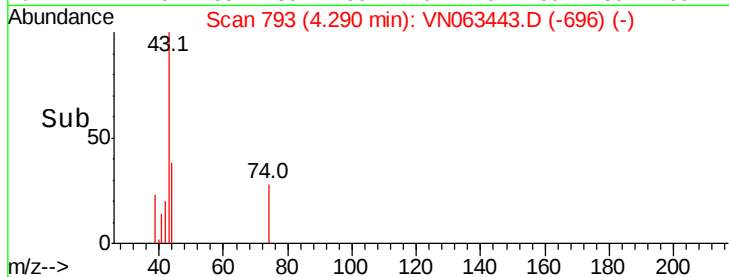
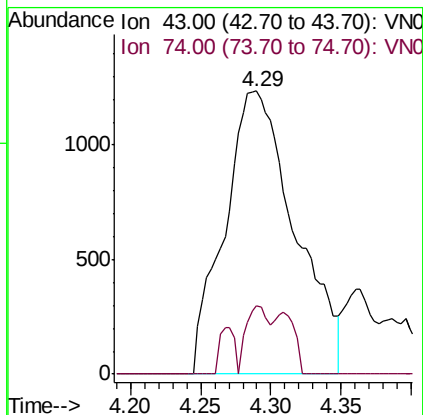
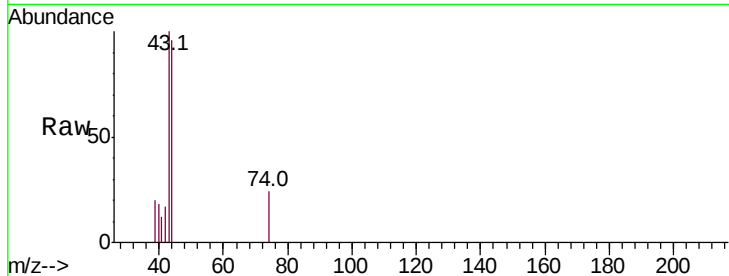
B16-5-7

Tot Ion: 43 Resp: 4308

Ion Ratio Lower Upper

43 100

74 7.7 17.4 26.2#



#20

Methylene Chloride

Concen: 0.619 ug/l

RT: 4.49 min Scan# 855

Delta R.T. -0.01 min

Lab File: VN063443.D

Acq: 18 Sep 2020 1:34

Tgt Ion: 84 Resp: 1985

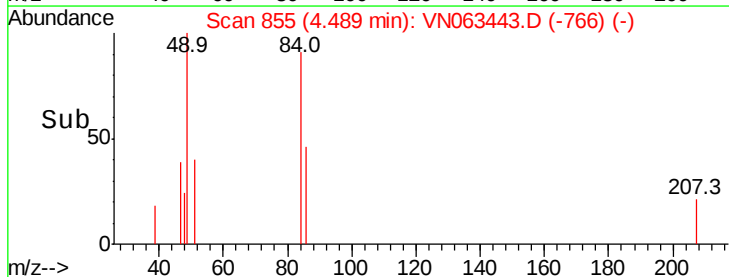
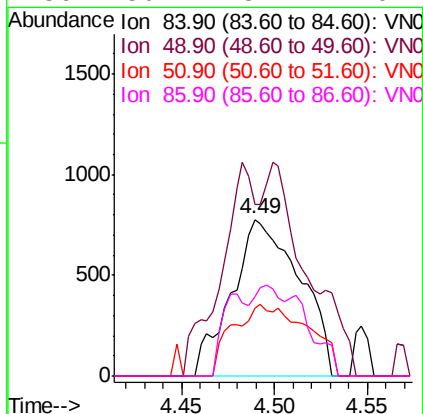
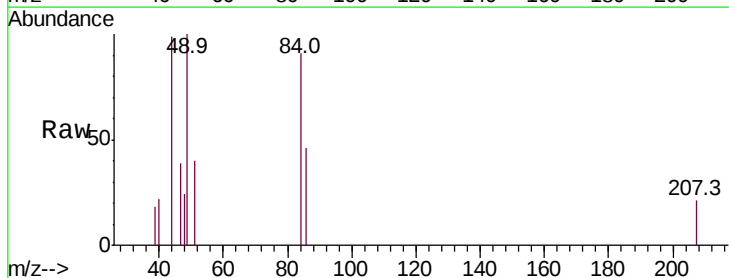
Ion Ratio Lower Upper

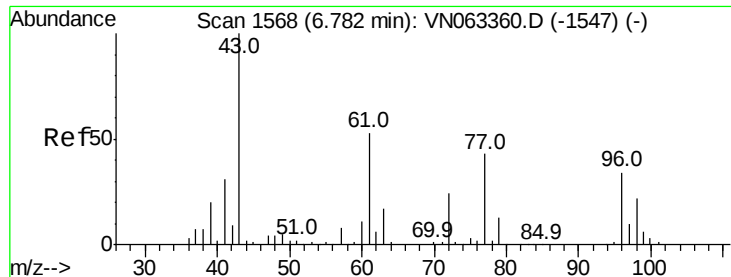
84 100

49 84.5 110.7 166.1#

51 43.3 32.9 49.3

86 50.7 51.1 76.7#

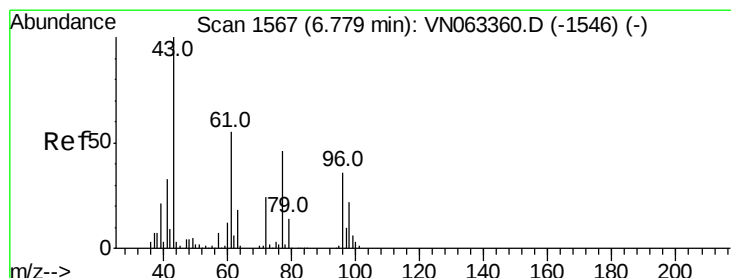
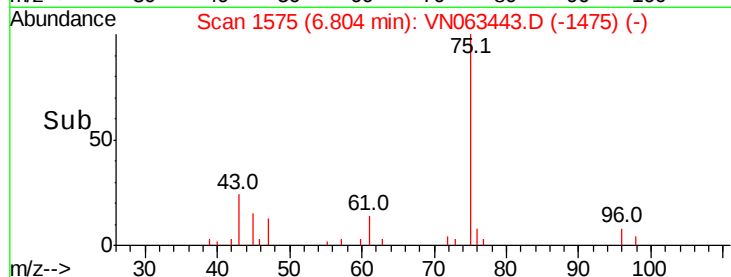
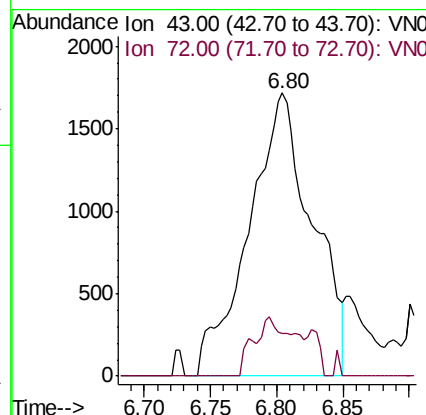
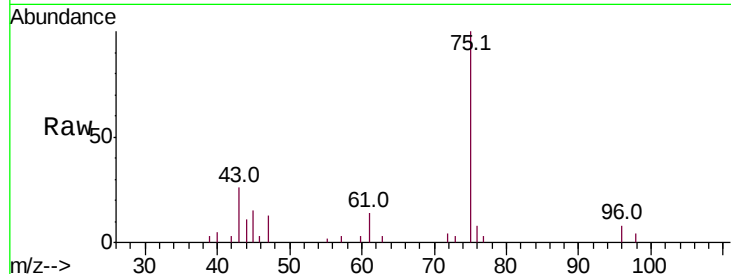




#25
2-Butanone
Concen: 2.940 ug/l
RT: 6.80 min Scan# 1575
Delta R.T. 0.02 min
Lab File: VN063443.D
Acq: 18 Sep 2020 1:34

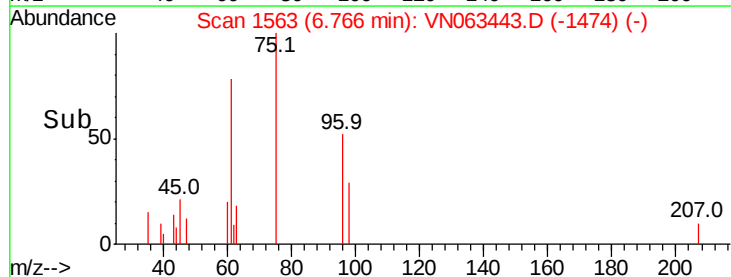
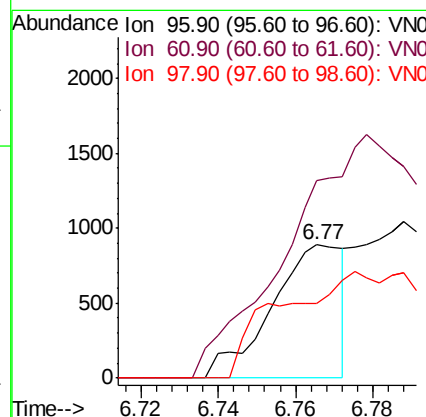
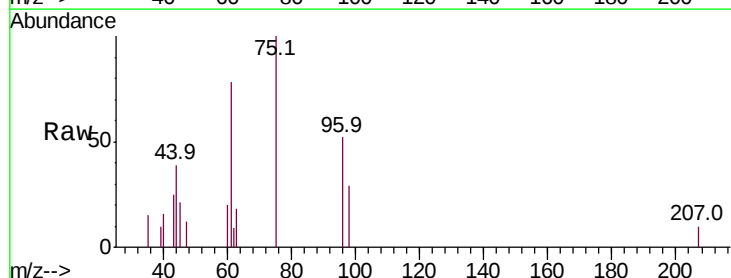
Instrument :
MSVOA_N
ClientSampled :
B16-5-7

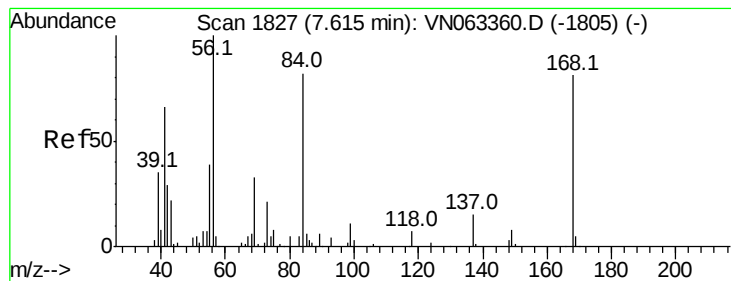
Tot Ion: 43 Resp: 5722
Ion Ratio Lower Upper
43 100
72 15.1 19.2 28.8#



#27
cis-1,2-Dichloroethene
Concen: 0.350 ug/l
RT: 6.77 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VN063443.D
Acq: 18 Sep 2020 1:34

Tgt Ion: 96 Resp: 1145
Ion Ratio Lower Upper
96 100
61 431.4 0.0 319.6#
98 108.3 0.0 127.8





#31

Cyclohexane

Concen: 1.327 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN063443.D

Acq: 18 Sep 2020 1:34

Instrument :

MSVOA_N

ClientSampleId :

B16-5-7

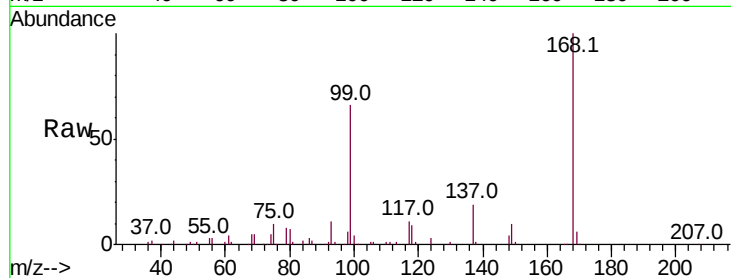
Tot Ion: 56 Resp: 7218

Ion Ratio Lower Upper

56 100

69 142.7 26.1 39.1#

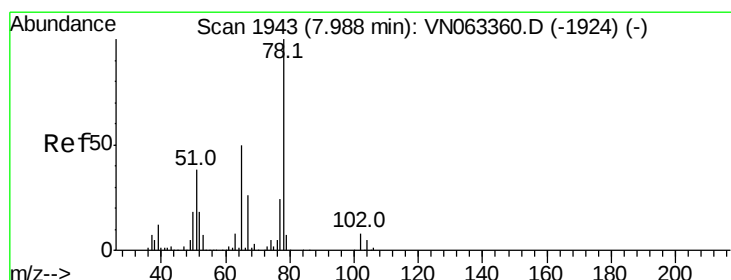
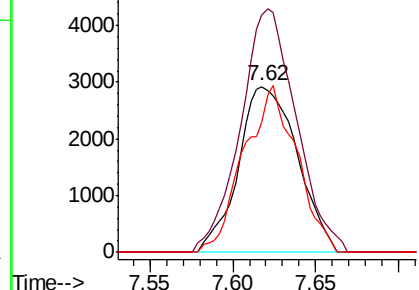
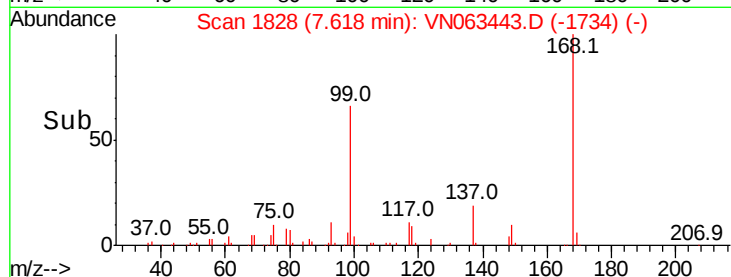
84 78.4 65.4 98.2



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: 47.694 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN063443.D

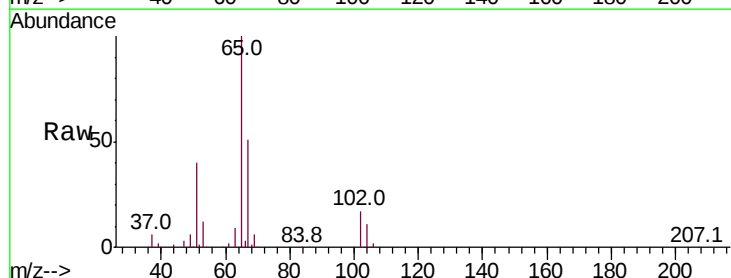
Acq: 18 Sep 2020 1:34

Tgt Ion: 65 Resp: 187780

Ion Ratio Lower Upper

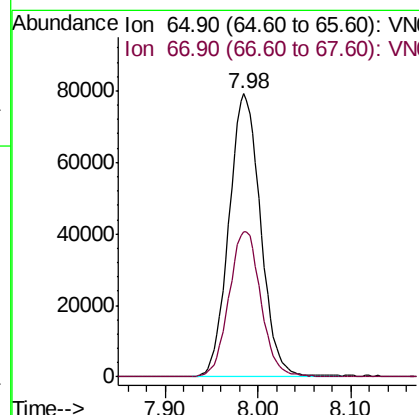
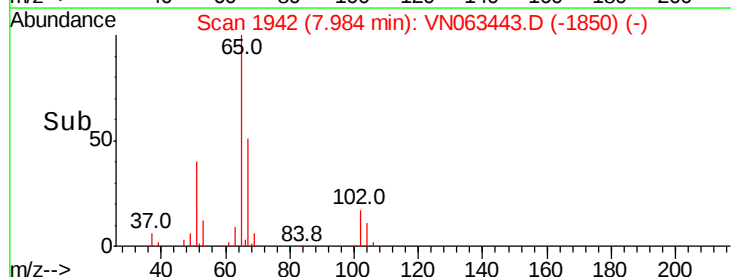
65 100

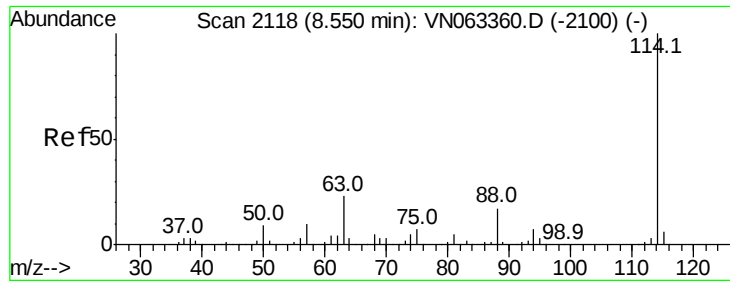
67 51.7 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

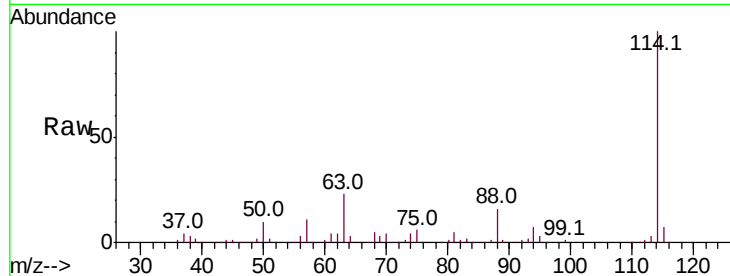




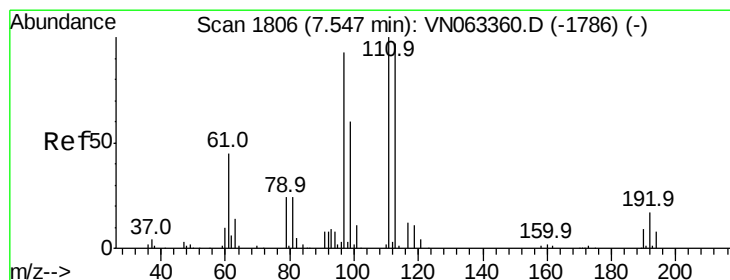
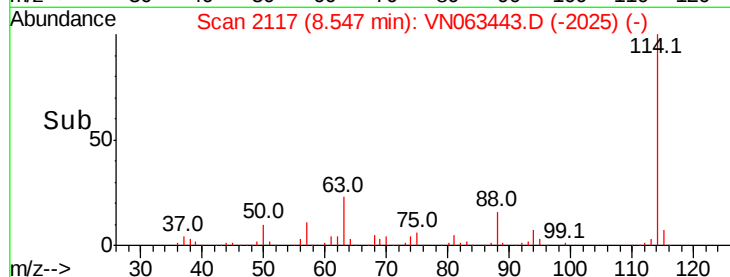
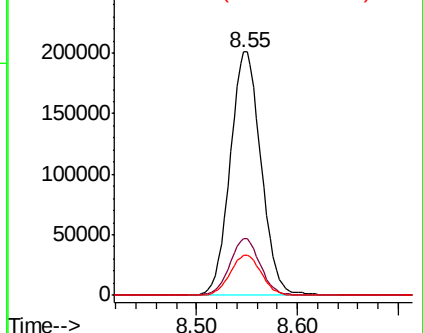
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VN063443.D
 Acq: 18 Sep 2020 1:34

Instrument :
 MSVOA_N
 ClientSampleId :
 B16-5-7

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	46.4
88	16.3	0.0	33.2

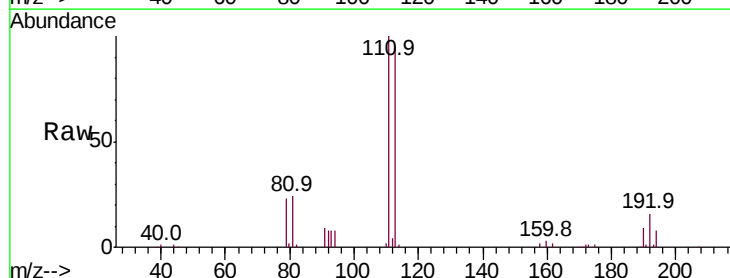


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

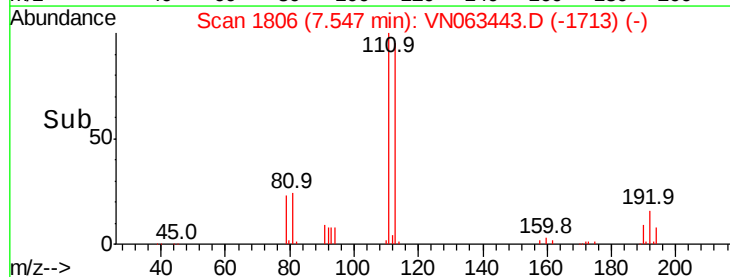
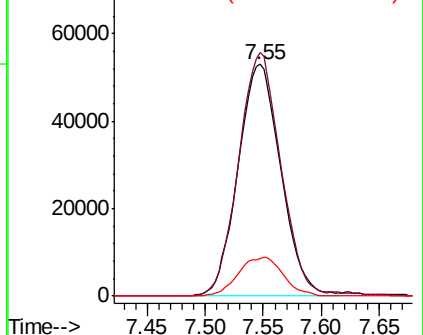


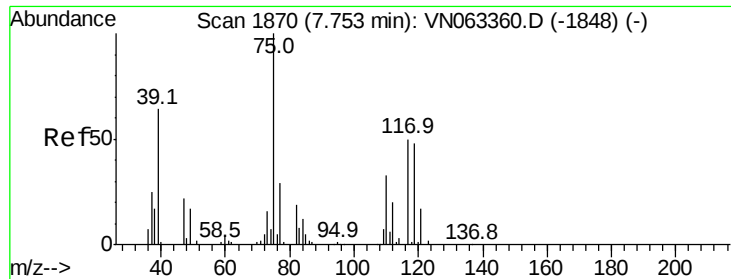
#35
 Dibromofluoromethane
 Concen: 45.983 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063443.D
 Acq: 18 Sep 2020 1:34

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.9	124.3
192	17.6	13.9	20.9



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

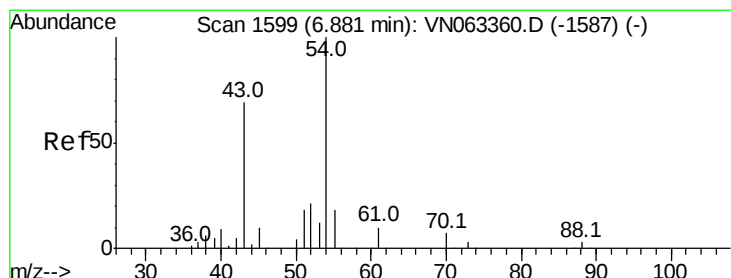
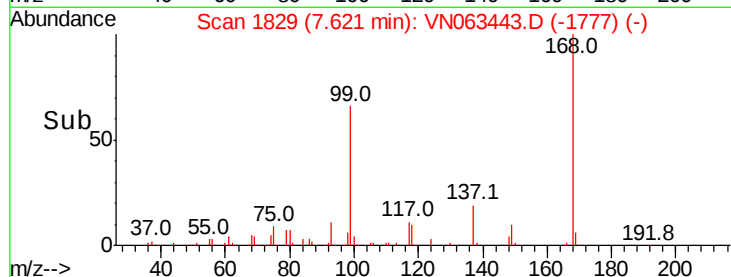
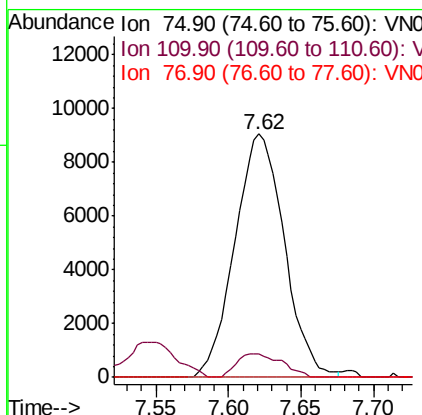
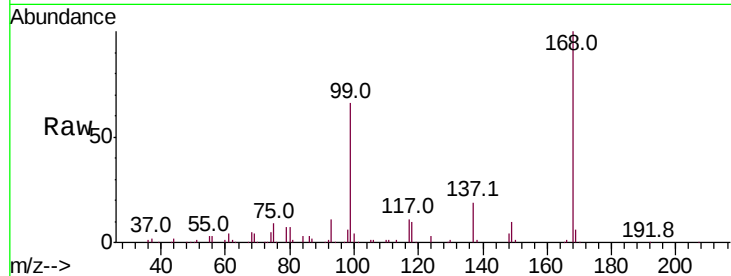




#36
 1,1-Dichloropropene
 Concen: 4.703 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN063443.D
 Acq: 18 Sep 2020 1:34

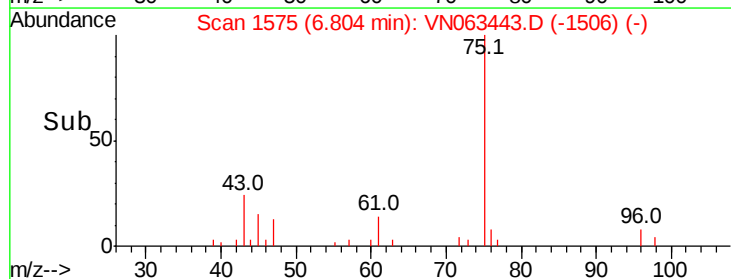
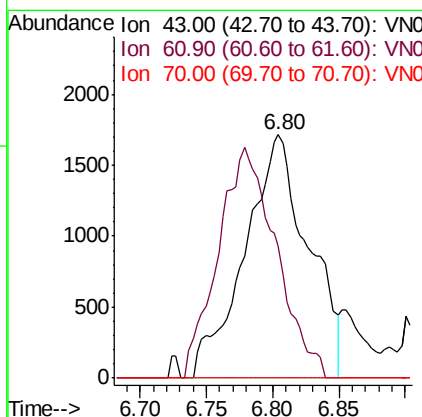
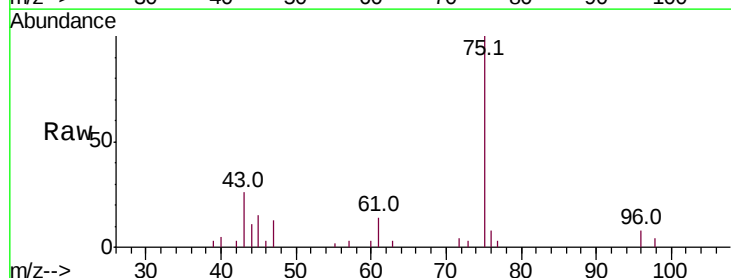
Instrument :
 MSVOA_N
 ClientSampled :
 B16-5-7

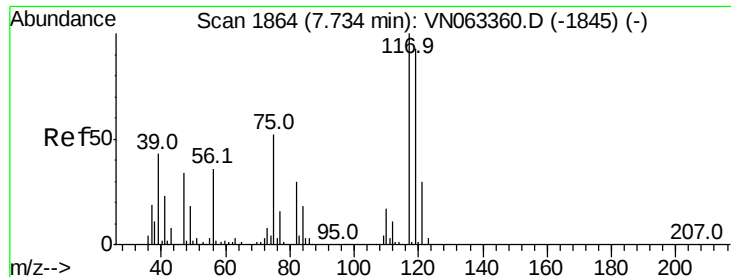
Tot Ion: 75 Resp: 21464
 Ion Ratio Lower Upper
 75 100
 110 8.9 16.5 49.5#
 77 0.0 24.6 36.8#



#37
 Ethyl Acetate
 Concen: 1.277 ug/l
 RT: 6.80 min Scan# 1575
 Delta R.T. -0.08 min
 Lab File: VN063443.D
 Acq: 18 Sep 2020 1:34

Tgt Ion: 43 Resp: 5722
 Ion Ratio Lower Upper
 43 100
 61 0.0 10.6 15.8#
 70 0.0 7.2 10.8#





#38

Carbon Tetrachloride

Concen: 5.363 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063443.D

Acq: 18 Sep 2020 1:34

Instrument :

MSVOA_N

ClientSampled :

B16-5-7

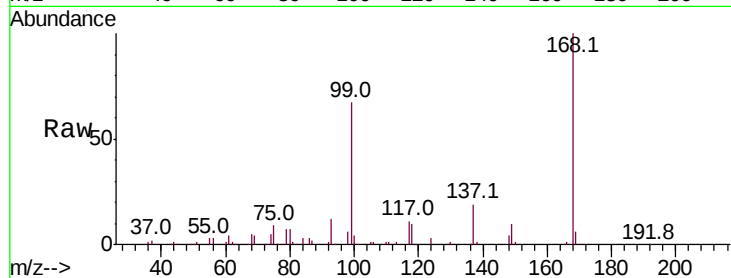
Tot Ion:117 Resp: 24984

Ion Ratio Lower Upper

117 100

119 3.6 74.5 111.7#

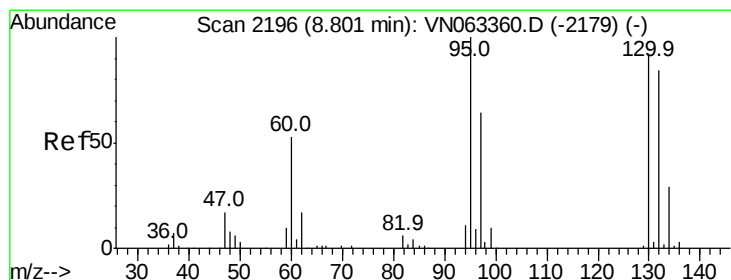
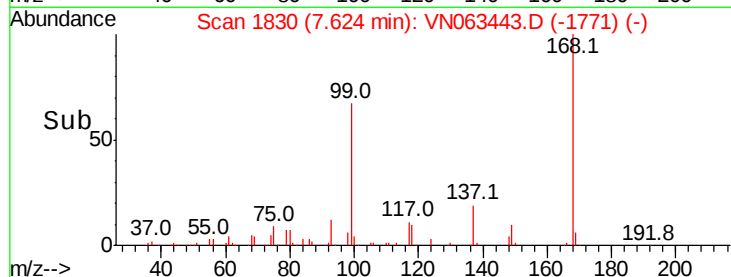
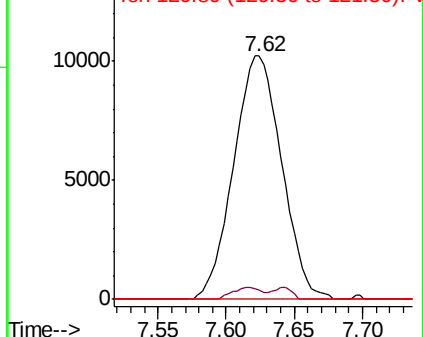
121 0.0 24.1 36.1#



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



#44

Trichloroethene

Concen: 2.334 ug/l

RT: 8.80 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN063443.D

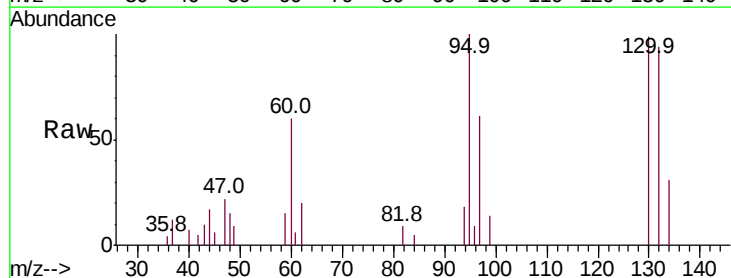
Acq: 18 Sep 2020 1:34

Tgt Ion:130 Resp: 7374

Ion Ratio Lower Upper

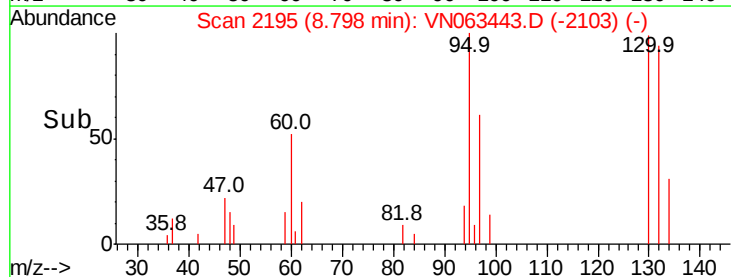
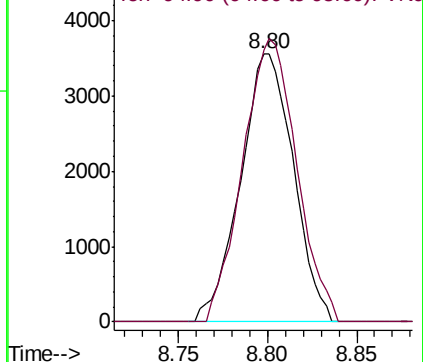
130 100

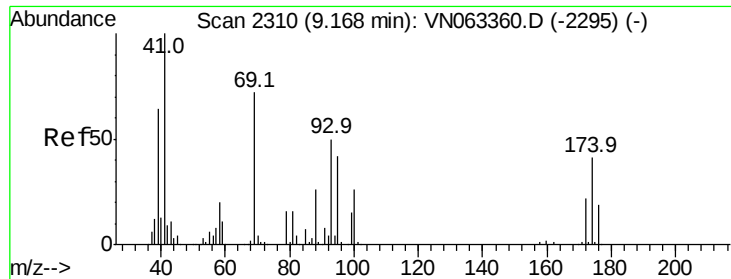
95 101.2 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN





#49

1,4-Dioxane

Concen: 0.531 ug/l

RT: 9.19 min Scan# 2318

Delta R.T. 0.03 min

Lab File: VN063443.D

Acq: 18 Sep 2020 1:34

Instrument :

MSVOA_N

ClientSampleId :

B16-5-7

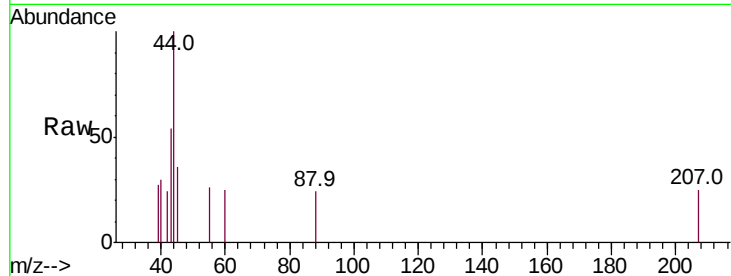
Tot Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 850.0 32.6 49.0#

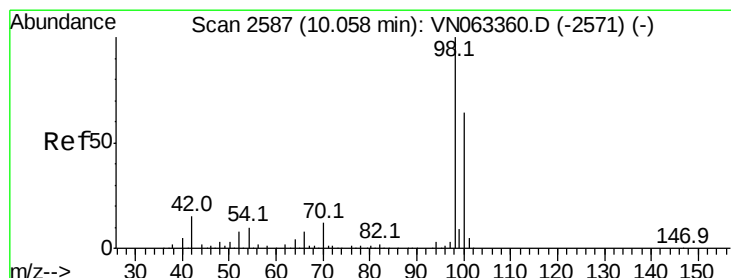
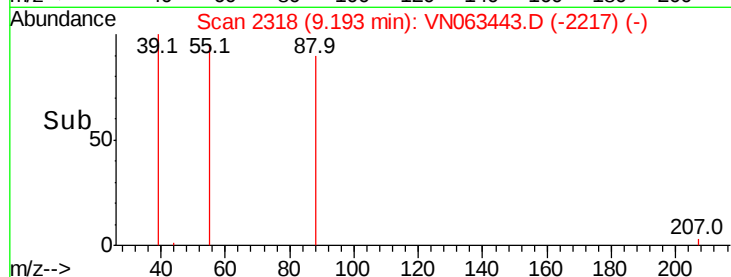
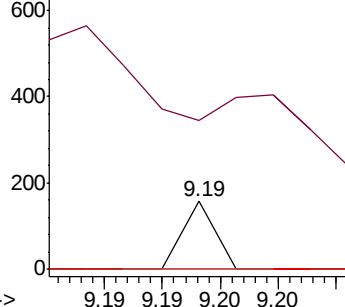
58 0.0 60.0 90.0#



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 49.236 ug/l

RT: 10.06 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN063443.D

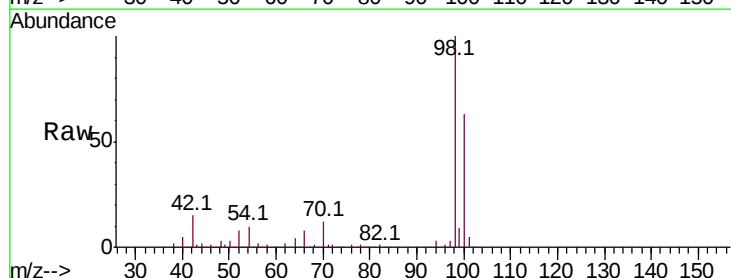
Acq: 18 Sep 2020 1:34

Tgt Ion: 98 Resp: 549070

Ion Ratio Lower Upper

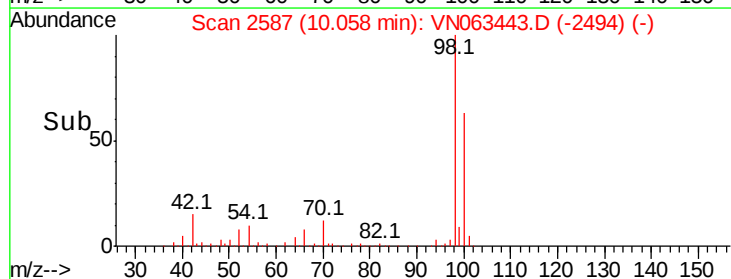
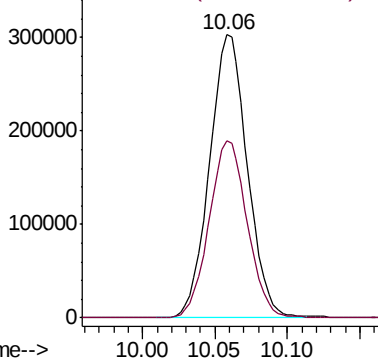
98 100

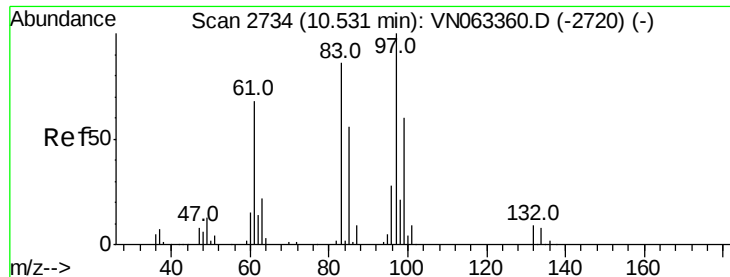
100 63.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#55

1,1,2-Trichloroethane

Concen: 1.371 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. 0.07 min

Lab File: VN063443.D

Acq: 18 Sep 2020 1:34

Instrument :

MSVOA_N

ClientSampled :

B16-5-7

Tot Ion: 97 Resp: 4266

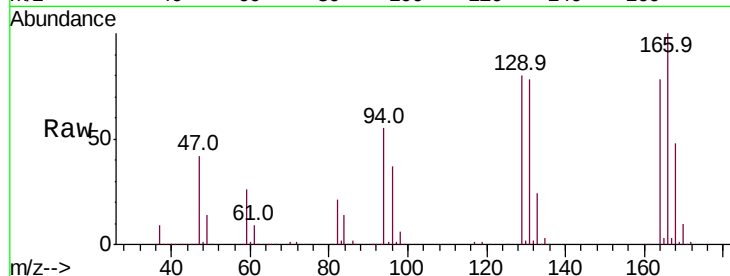
Ion Ratio Lower Upper

97 100

83 213.8 68.9 103.3#

85 31.3 44.8 67.2#

99 12.8 47.8 71.8#

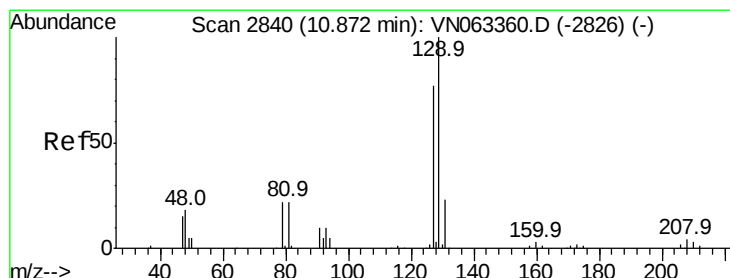
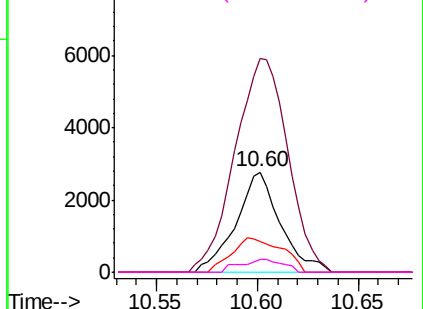
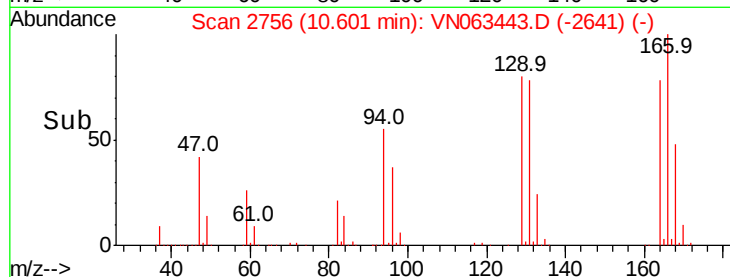


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#60

Dibromochloromethane

Concen: 117.767 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN063443.D

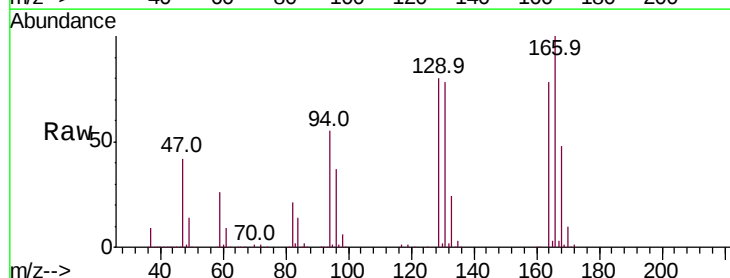
Acq: 18 Sep 2020 1:34

Tgt Ion: 129 Resp: 413956

Ion Ratio Lower Upper

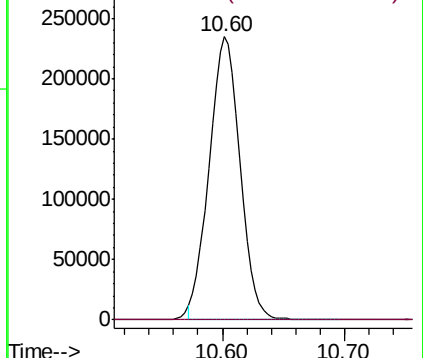
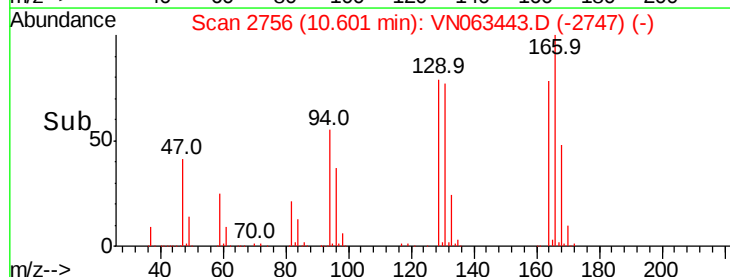
129 100

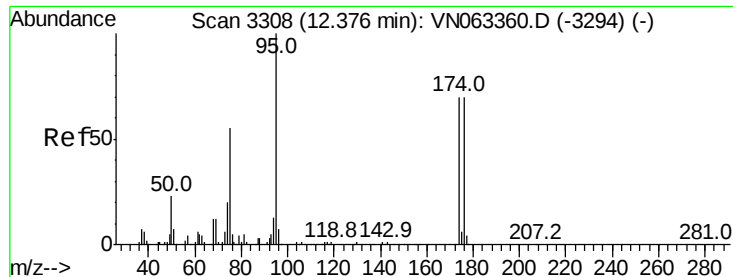
127 0.1 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





#62

4-Bromofluorobenzene

Concen: 52.165 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063443.D

Acq: 18 Sep 2020 1:34

Instrument :

MSVOA_N

ClientSampleId :

B16-5-7

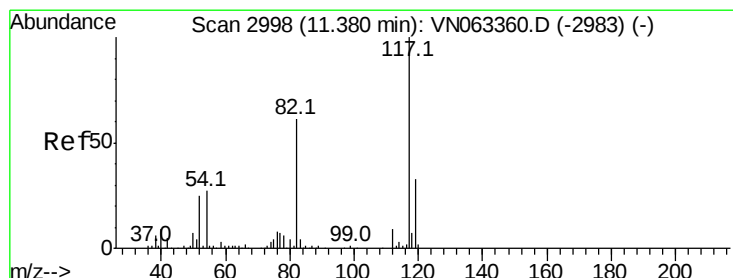
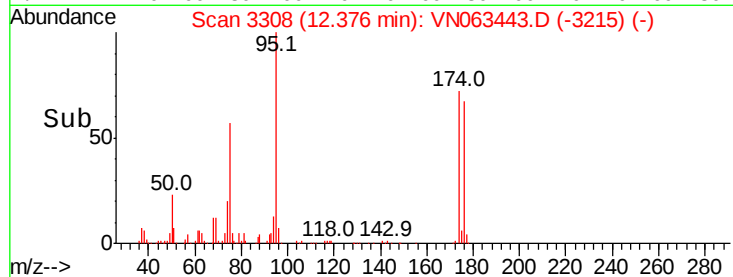
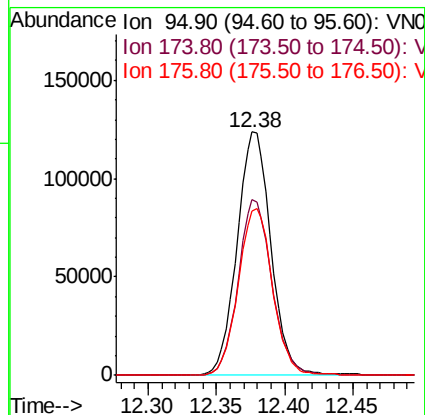
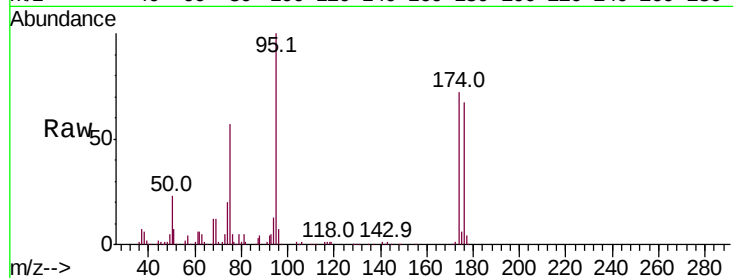
Tot Ion: 95 Resp: 213249

Ion Ratio Lower Upper

95 100

174 72.0 0.0 140.8

176 69.4 0.0 137.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063443.D

Acq: 18 Sep 2020 1:34

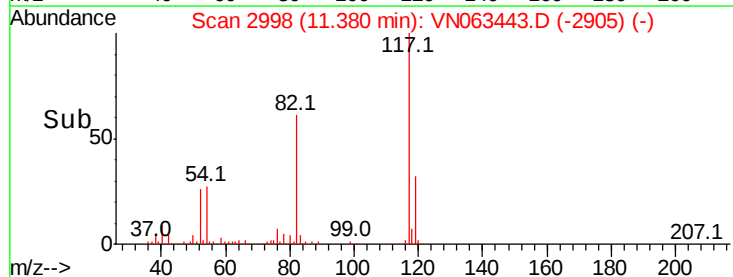
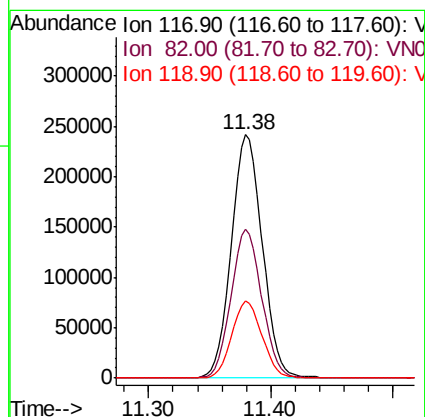
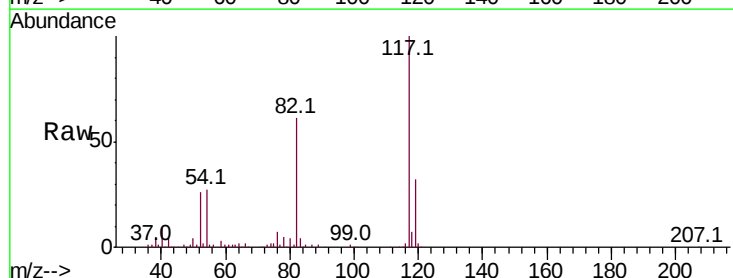
Tgt Ion: 117 Resp: 428394

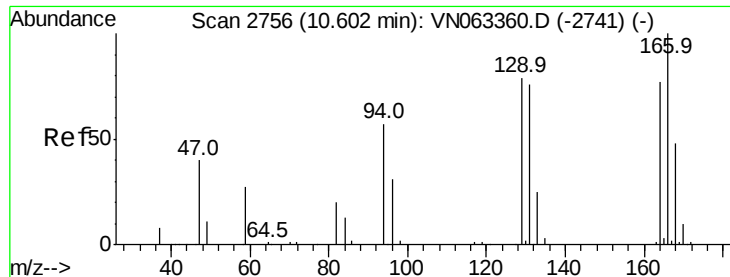
Ion Ratio Lower Upper

117 100

82 60.9 49.2 73.8

119 31.5 26.2 39.4





#64

Tetrachloroethene

Concen: 140.897 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN063443.D

Acq: 18 Sep 2020 1:34

Instrument :

MSVOA_N

ClientSampleId :

B16-5-7

Tot Ion:164 Resp: 411003

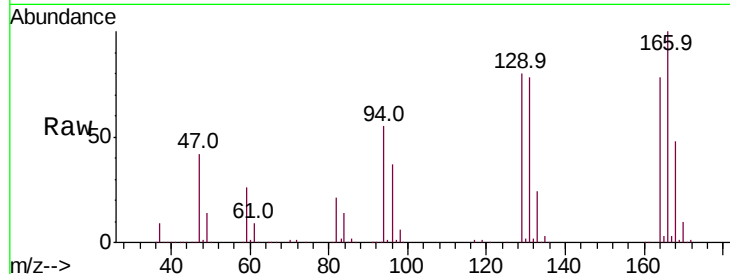
Ion Ratio Lower Upper

164 100

166 128.4 103.4 155.0

129 102.8 81.8 122.6

131 99.9 78.2 117.4

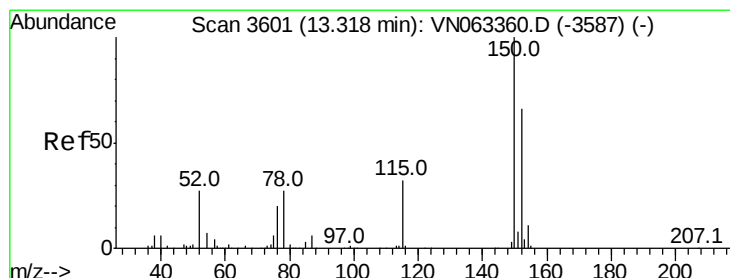
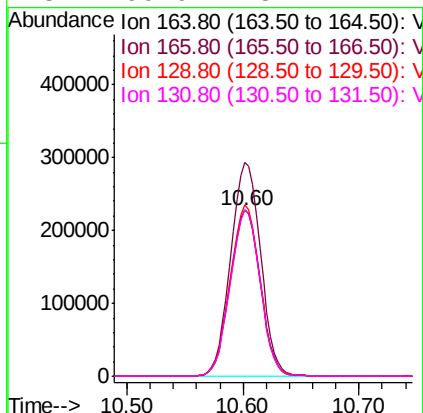
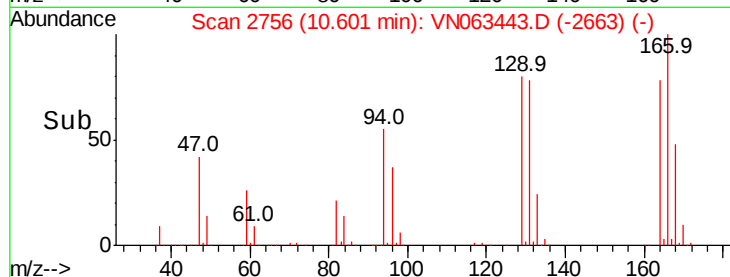


Abundance Ion 163.80 (163.50 to 164.50): V

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063443.D

Acq: 18 Sep 2020 1:34

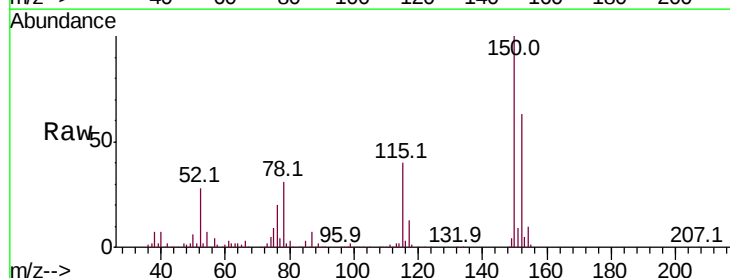
Tgt Ion:152 Resp: 188662

Ion Ratio Lower Upper

152 100

115 64.6 32.2 96.6

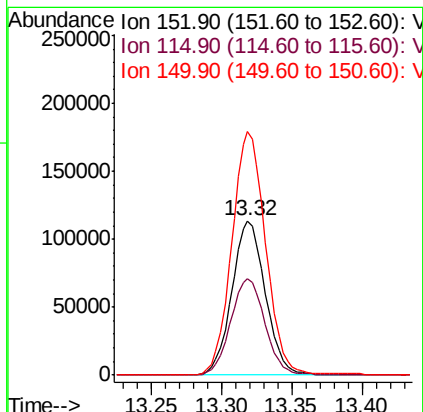
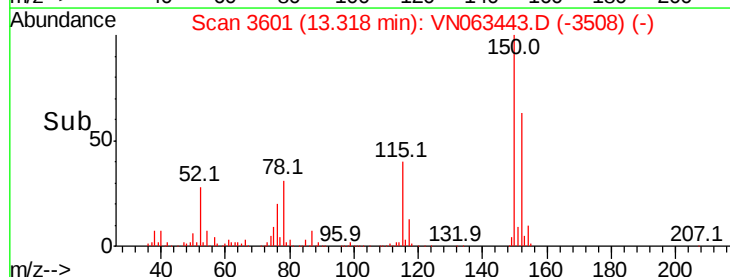
150 159.3 0.0 343.4

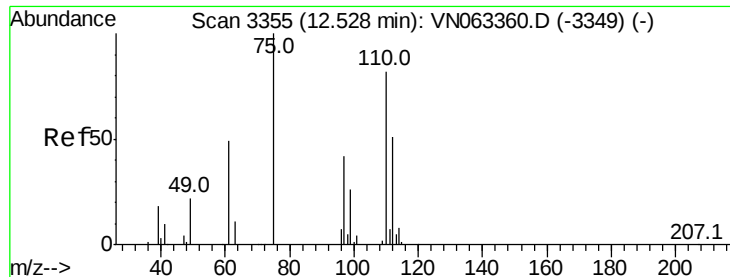


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

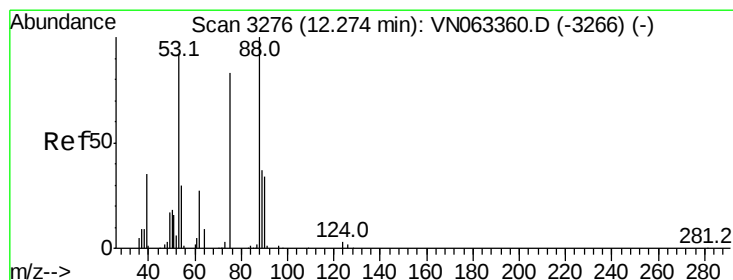
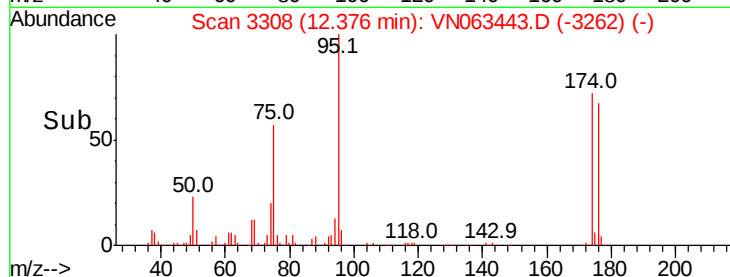
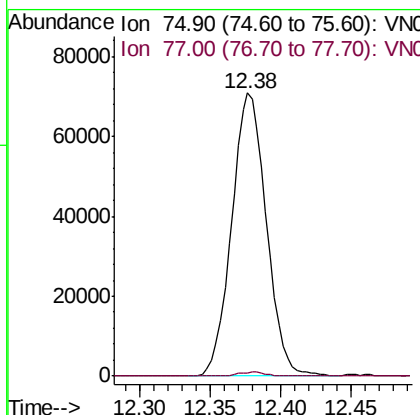
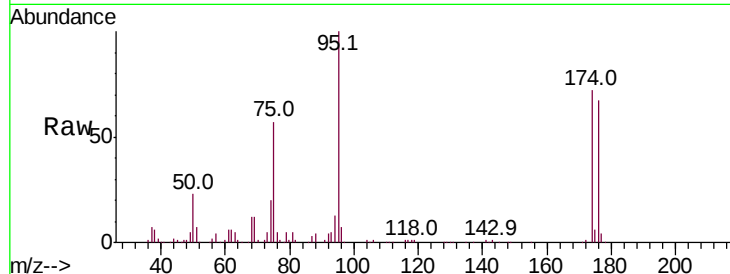




#76
 1,2,3-Trichloropropane
 Concen: 26.117 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. -0.15 min
 Lab File: VN063443.D
 Acq: 18 Sep 2020 1:34

Instrument :
 MSVOA_N
 ClientSampleId :
 B16-5-7

Tot Ion: 75 Resp: 121956
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.602 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.10 min
 Lab File: VN063443.D
 Acq: 18 Sep 2020 1:34

Tgt Ion: 75 Resp: 121956
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.7 128.5#
 89 0.0 38.0 57.0#

