

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091720\
 Data File : VN063439.D
 Acq On : 17 Sep 2020 23:59
 Operator : JC/MD
 Sample : L4021-02
 Misc : 10.47g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 B14-5-7

Quant Time: Sep 18 05:11:37 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	222189	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	410488	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	406881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	182198	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.98	65	179985	47.59	ug/l	0.00
Spiked Amount			Recovery	=	95.18%	
35) Dibromofluoromethane	7.55	113	129992	45.74	ug/l	0.00
Spiked Amount			Recovery	=	91.48%	
50) Toluene-d8	10.06	98	521759	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
62) 4-Bromofluorobenzene	12.38	95	209331	53.44	ug/l	0.00
Spiked Amount			Recovery	=	106.88%	

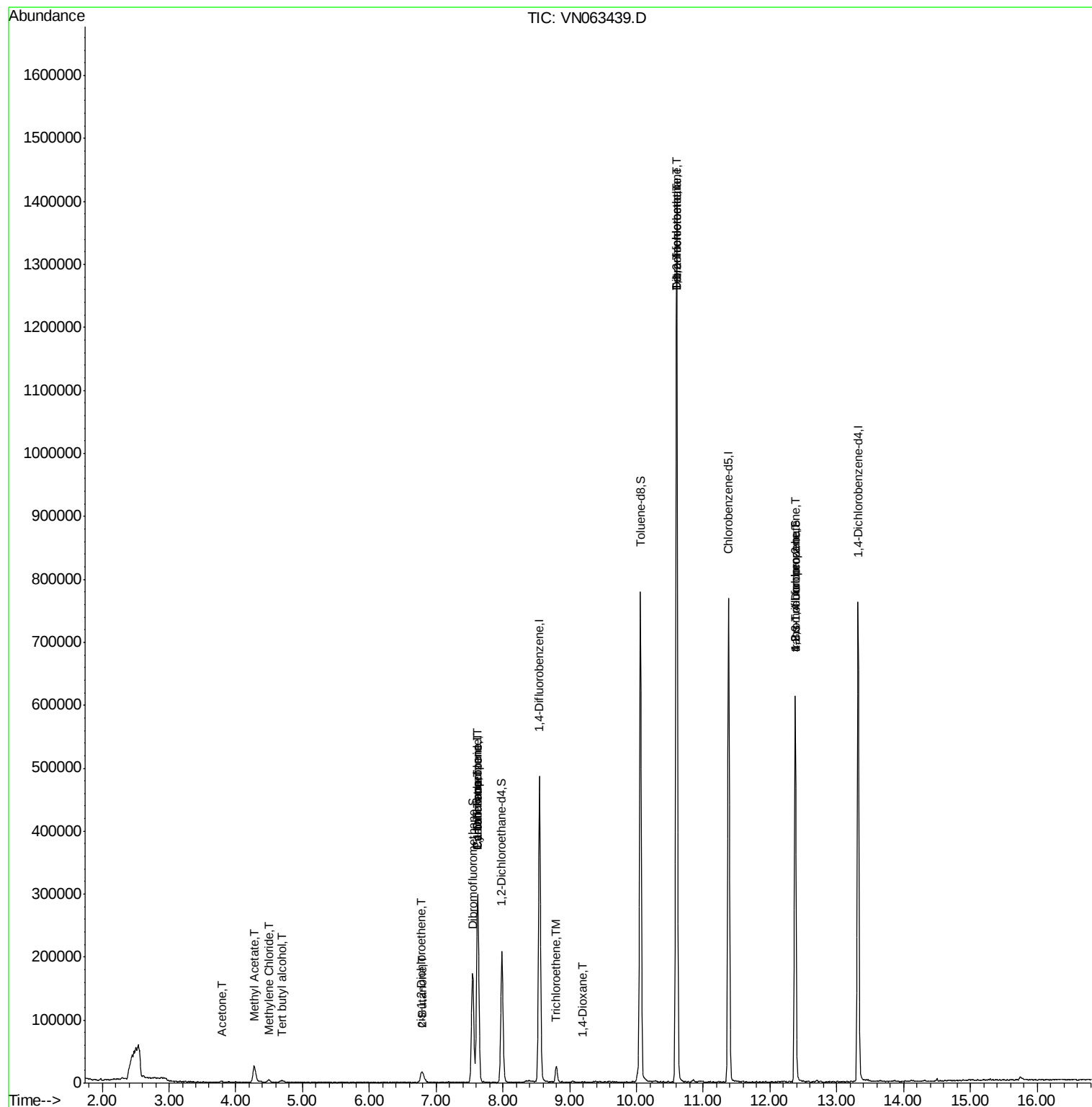
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.68	59	1835	3.502	ug/l #	72
16) Acetone	3.79	43	1815	1.493	ug/l	93
18) Methyl Acetate	4.28	43	52104	16.885	ug/l	100
20) Methylene Chloride	4.50	84	2285	0.742	ug/l #	65
25) 2-Butanone	6.79	43	5374	2.875	ug/l	96
27) cis-1,2-Dichloroethene	6.77	96	5428	1.726	ug/l #	1
31) Cyclohexane	7.62	56	6661	1.275	ug/l #	30
36) 1,1-Dichloropropene	7.62	75	21199	4.848	ug/l #	51
38) Carbon Tetrachloride	7.62	117	24802	5.556	ug/l #	17
44) Trichloroethene	8.80	130	8417	2.780	ug/l	99
49) 1,4-Dioxane	9.19	88	64	1.183	ug/l #	1
55) 1,1,2-Trichloroethane	10.60	97	3211	1.077	ug/l #	1
60) Dibromochloromethane	10.60	129	279777	83.067	ug/l #	10
64) Tetrachloroethene	10.60	164	286436	103.385	ug/l	99
76) 1,2,3-Trichloropropane	12.38	75	118797	26.343	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	118797	72.222	ug/l #	7

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

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ClientSampleId :
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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# 1830

Delta R.T. -0.00 min

Lab File: VN063439.D

Acq: 17 Sep 2020 23:59

Instrument :

MSVOA_N

ClientSampled :

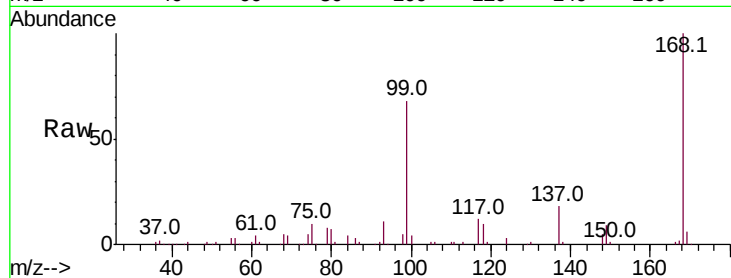
B14-5-7

Tot Ion:168 Resp: 222189

Ion Ratio Lower Upper

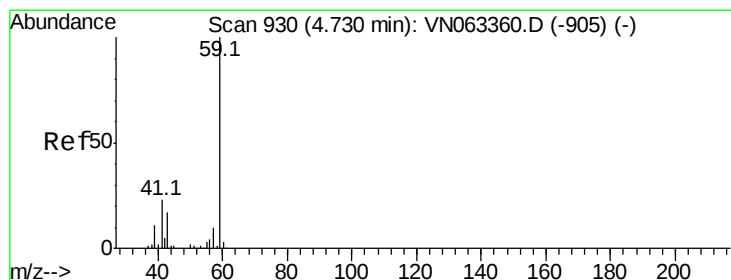
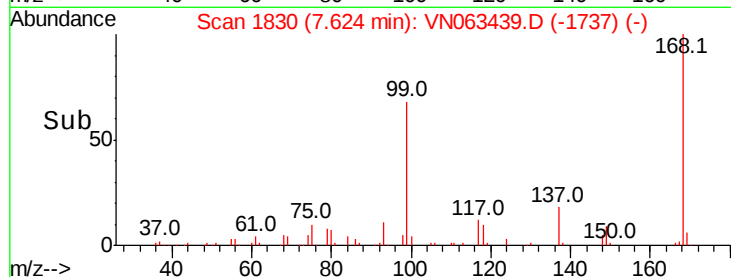
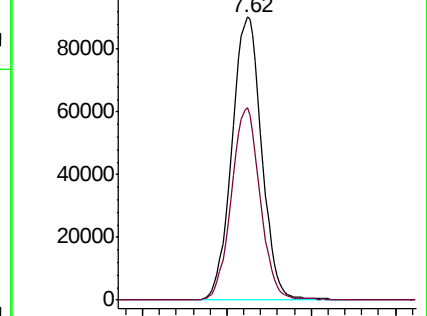
168 100

99 67.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#11

Tert butyl alcohol

Concen: 3.502 ug/l

RT: 4.68 min Scan# 914

Delta R.T. -0.05 min

Lab File: VN063439.D

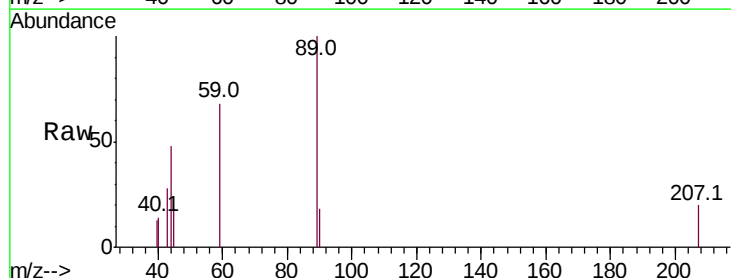
Acq: 17 Sep 2020 23:59

Tgt Ion: 59 Resp: 1835

Ion Ratio Lower Upper

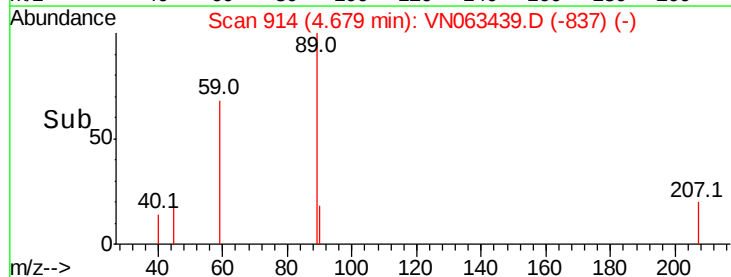
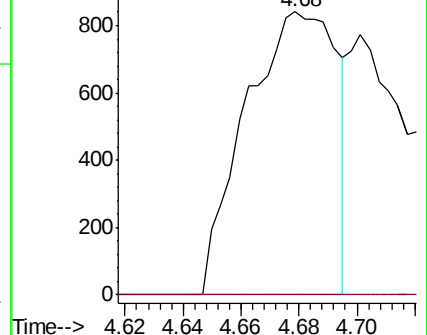
59 100

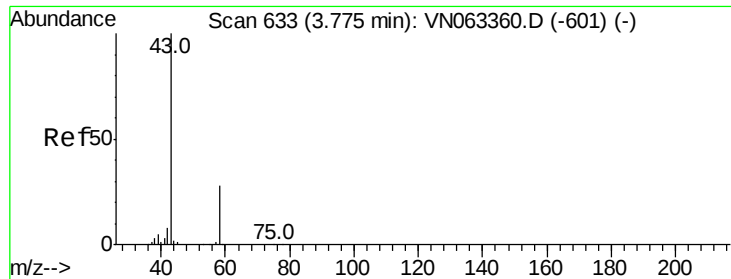
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO





#16

Acetone

Concen: 1.493 ug/l

RT: 3.79 min Scan# 639

Delta R.T. 0.02 min

Lab File: VN063439.D

Acq: 17 Sep 2020 23:59

Instrument :

MSVOA_N

ClientSampleId :

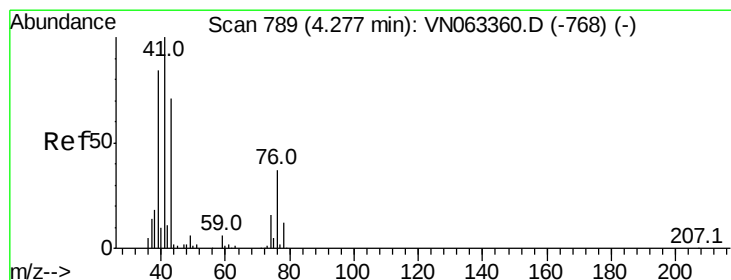
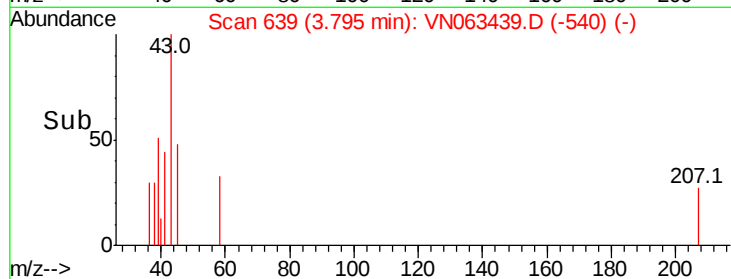
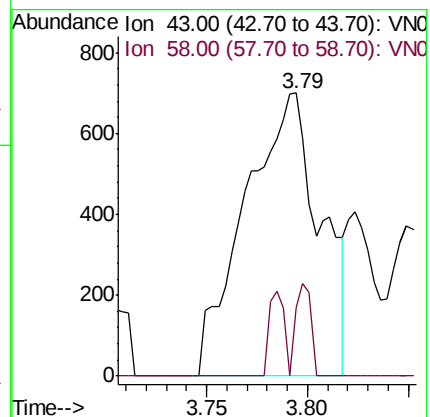
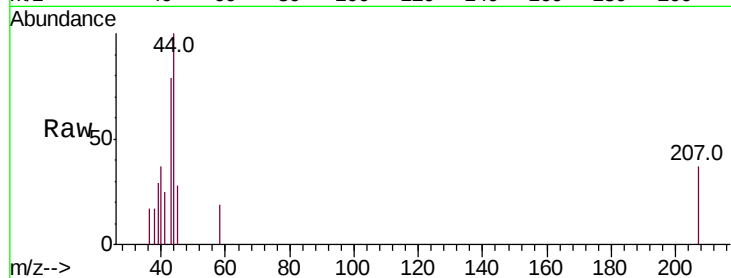
B14-5-7

Tot Ion: 43 Resp: 1815

Ion Ratio Lower Upper

43 100

58 24.0 22.3 33.5



#18

Methyl Acetate

Concen: 16.885 ug/l

RT: 4.28 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN063439.D

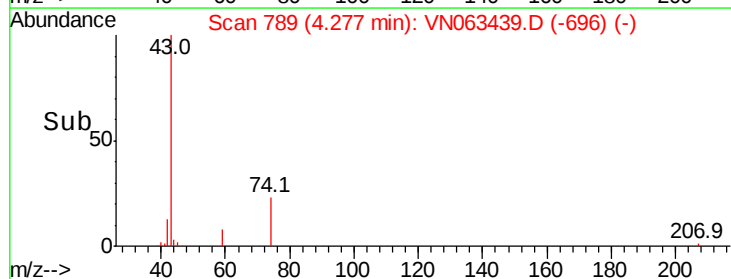
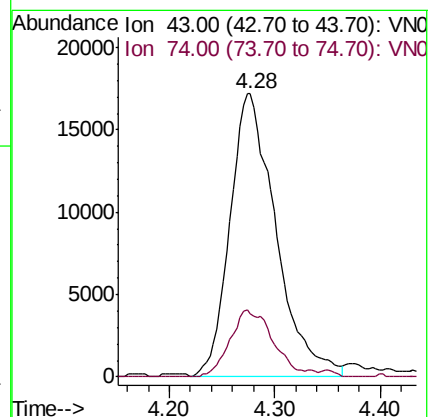
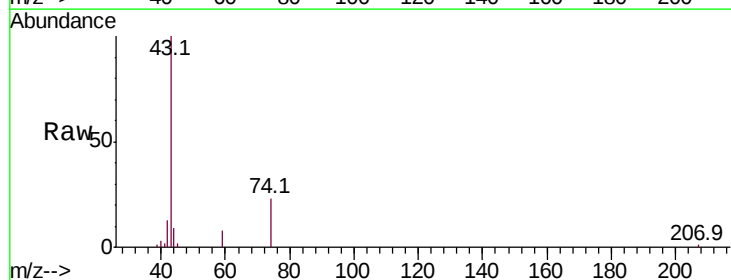
Acq: 17 Sep 2020 23:59

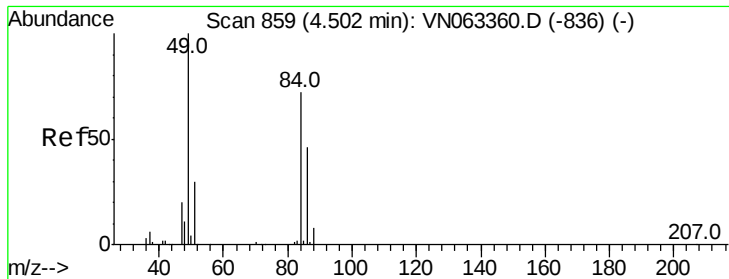
Tgt Ion: 43 Resp: 52104

Ion Ratio Lower Upper

43 100

74 22.0 17.4 26.2

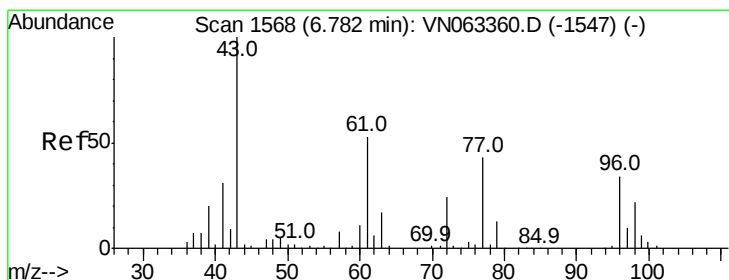
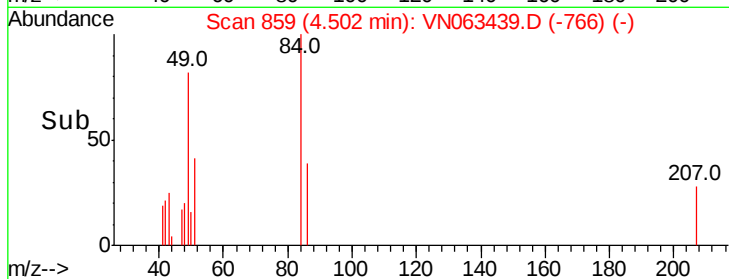
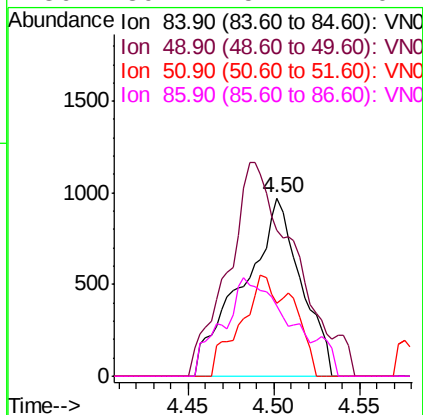
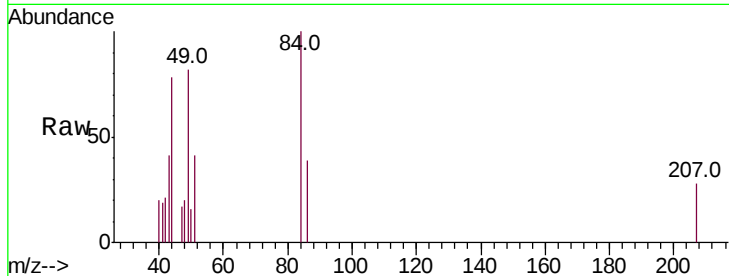




#20
Methvlene Chloride
Concen: 0.742 ug/l
RT: 4.50 min Scan# 859
Delta R.T. -0.00 min
Lab File: VN063439.D
Acq: 17 Sep 2020 23:59

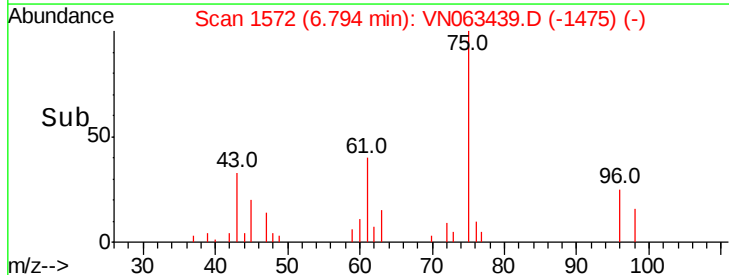
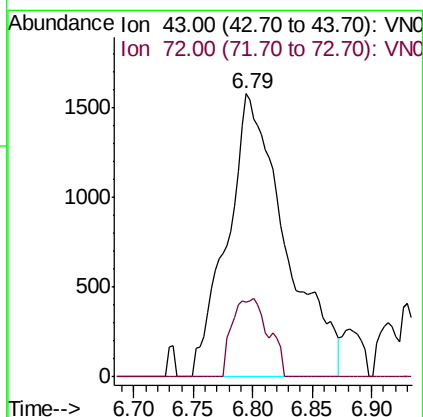
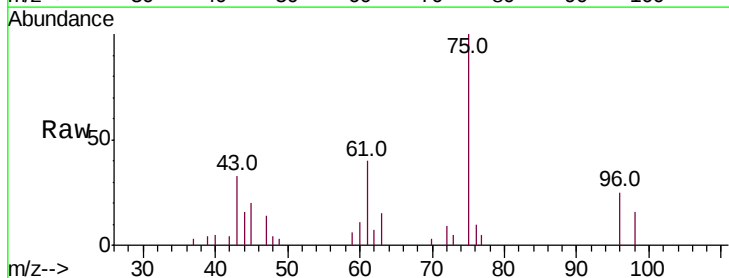
Instrument :
MSVOA_N
ClientSampleId :
B14-5-7

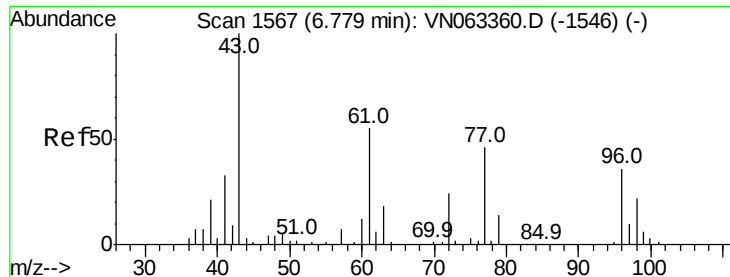
Tot Ion: 84 Resp: 2285
Ion Ratio Lower Upper
84 100
49 81.5 110.7 166.1#
51 40.6 32.9 49.3
86 39.2 51.1 76.7#



#25
2-Butanone
Concen: 2.875 ug/l
RT: 6.79 min Scan# 1572
Delta R.T. 0.01 min
Lab File: VN063439.D
Acq: 17 Sep 2020 23:59

Tgt Ion: 43 Resp: 5374
Ion Ratio Lower Upper
43 100
72 26.2 19.2 28.8





#27

cis-1,2-Dichloroethene

Concen: 1.726 ug/l

RT: 6.77 min Scan# 1565

Delta R.T. -0.01 min

Lab File: VN063439.D

Acq: 17 Sep 2020 23:59

Instrument :

MSVOA_N

ClientSampleId :

B14-5-7

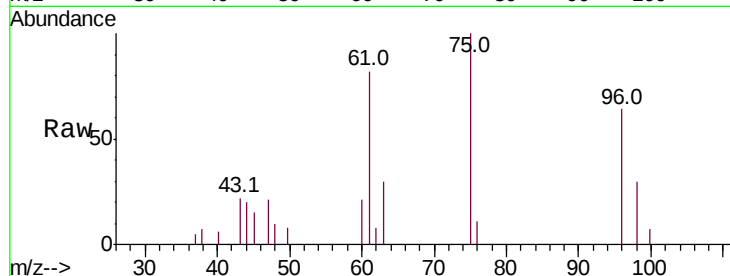
Tot Ion: 96 Resp: 5428

Ion Ratio Lower Upper

96 100

61 0.0 0.0 319.6

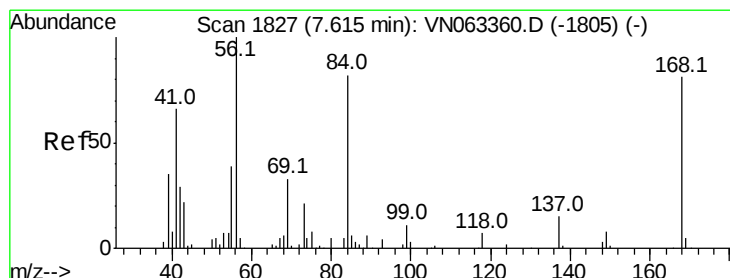
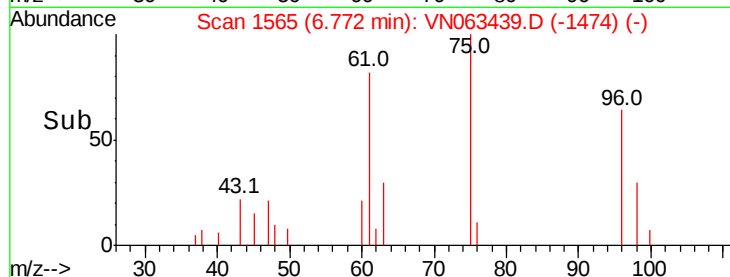
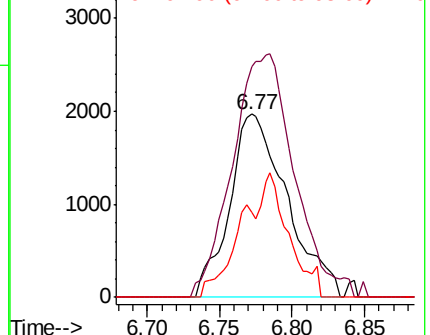
98 22.4 0.0 127.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#31

Cyclohexane

Concen: 1.275 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN063439.D

Acq: 17 Sep 2020 23:59

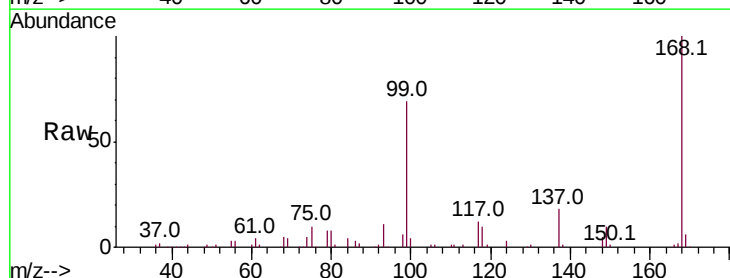
Tgt Ion: 56 Resp: 6661

Ion Ratio Lower Upper

56 100

69 128.7 26.1 39.1#

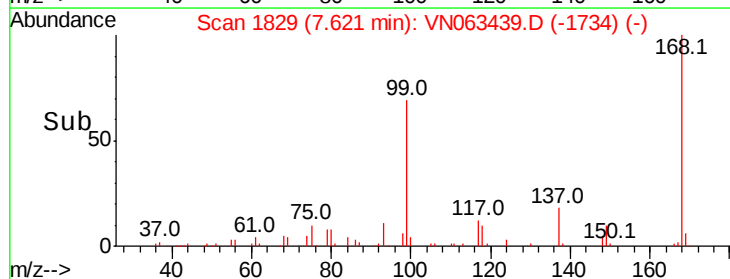
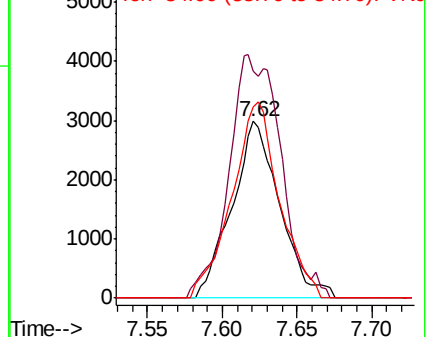
84 108.4 65.4 98.2#

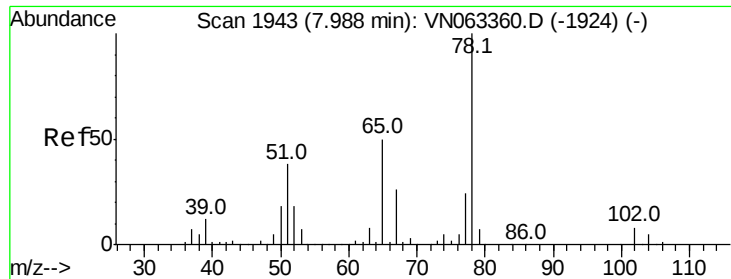


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 47.587 ug/l

RT: 7.98 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VN063439.D

Acq: 17 Sep 2020 23:59

Instrument :

MSVOA_N

ClientSampled :

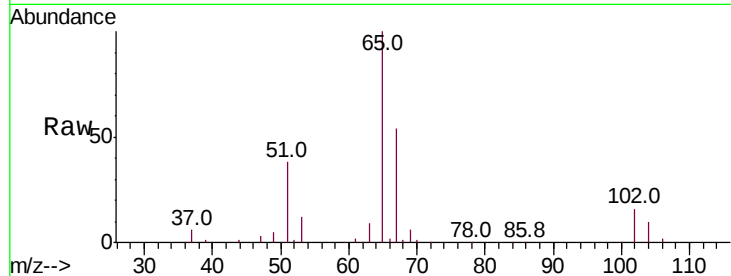
B14-5-7

Tot Ion: 65 Resp: 179985

Ion Ratio Lower Upper

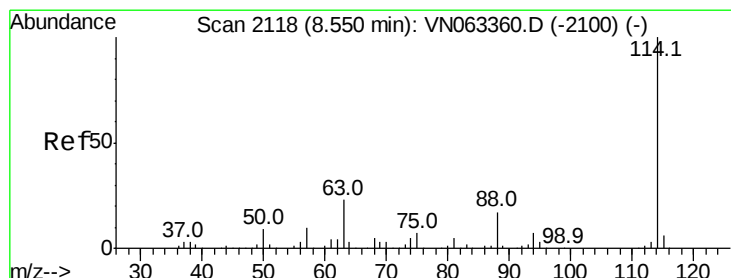
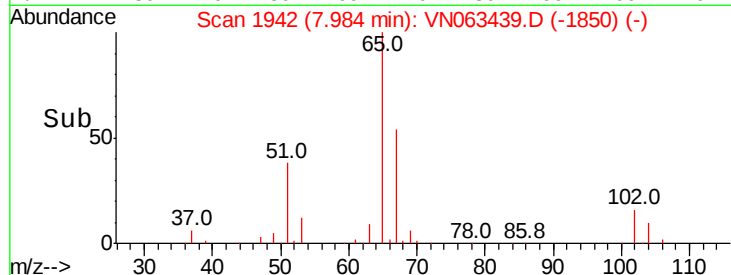
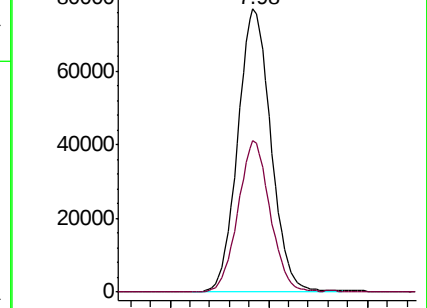
65 100

67 51.7 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN063360.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063360.D (-1924) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063439.D

Acq: 17 Sep 2020 23:59

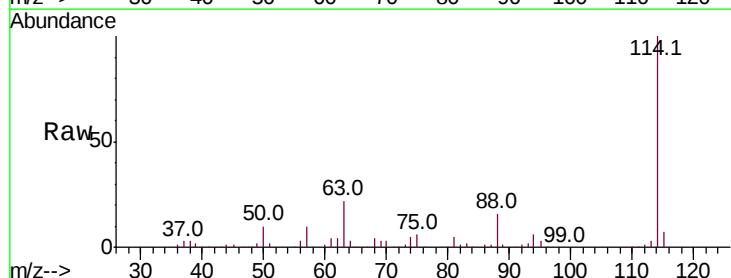
Tgt Ion: 114 Resp: 410488

Ion Ratio Lower Upper

114 100

63 22.4 0.0 46.4

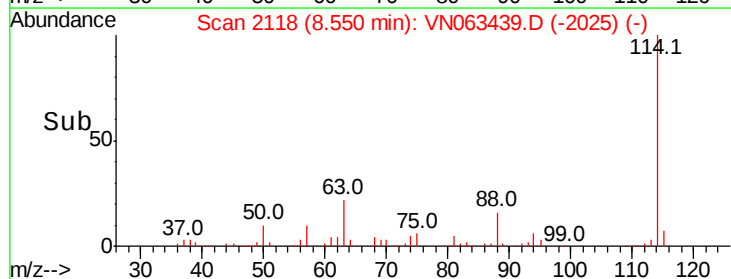
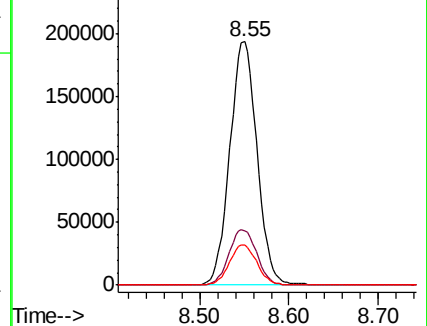
88 16.2 0.0 33.2

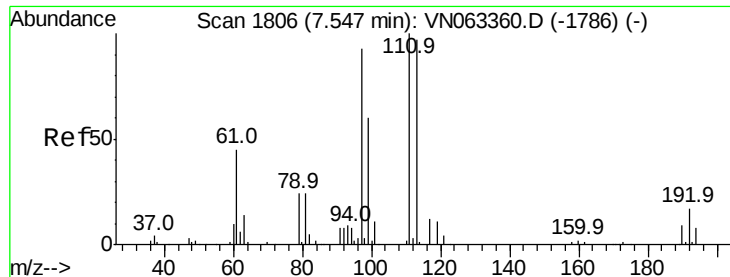


Abundance Ion 113.90 (113.60 to 114.60): VN063360.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN063360.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN063360.D (-2100) (-)

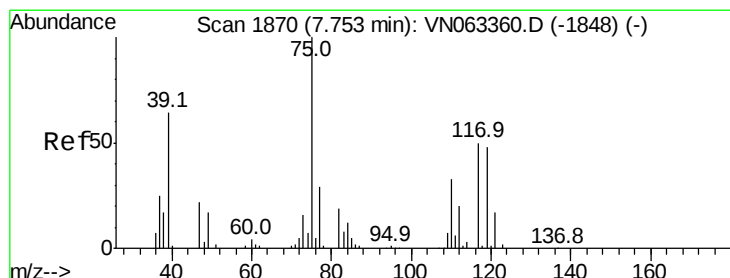
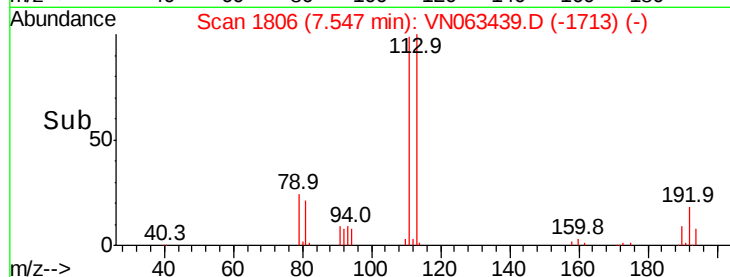
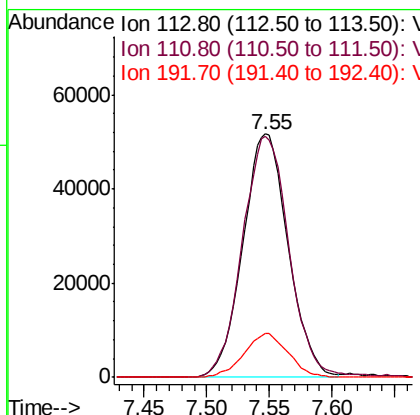
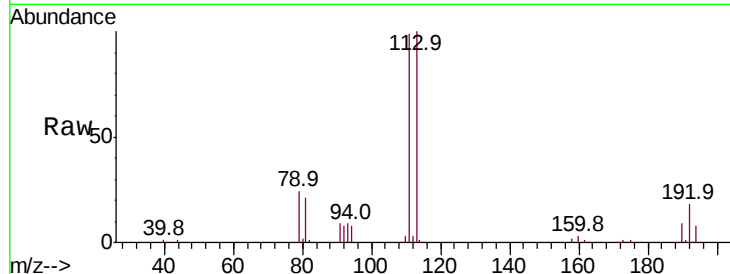




#35
 Dibromofluoromethane
 Concen: 45.744 ug/l
 RT: 7.55 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN063439.D
 Acq: 17 Sep 2020 23:59

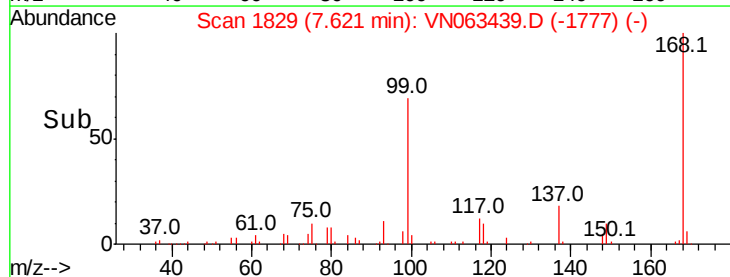
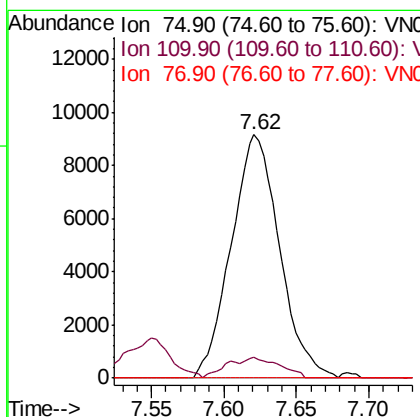
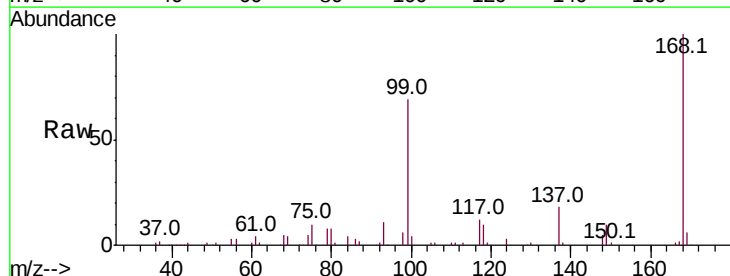
Instrument :
 MSVOA_N
 ClientSampleId :
 B14-5-7

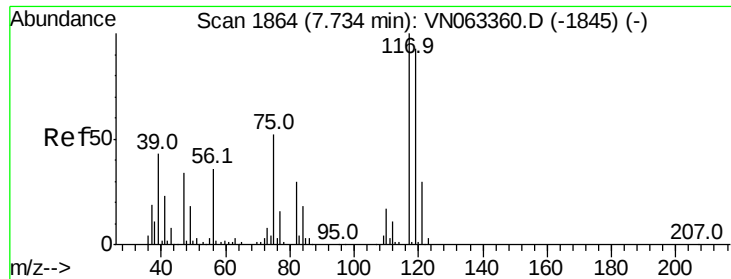
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.9	124.3
192	17.5	13.9	20.9



#36
 1,1-Dichloropropene
 Concen: 4.848 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN063439.D
 Acq: 17 Sep 2020 23:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	9.1	16.5	49.5#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.556 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063439.D

Acq: 17 Sep 2020 23:59

Instrument :

MSVOA_N

ClientSampleId :

B14-5-7

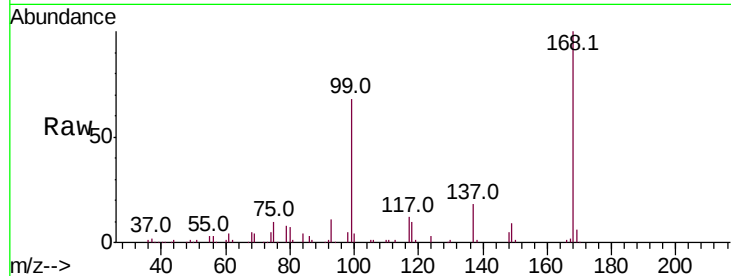
Tot Ion:117 Resp: 24802

Ion Ratio Lower Upper

117 100

119 4.7 74.5 111.7#

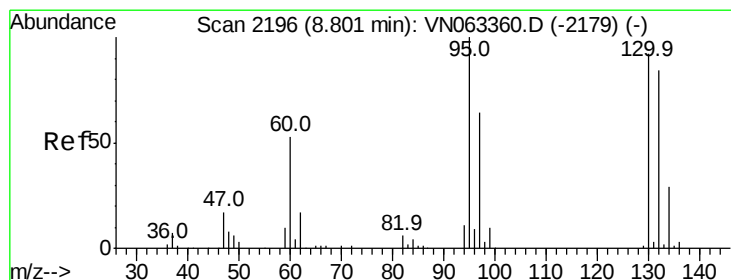
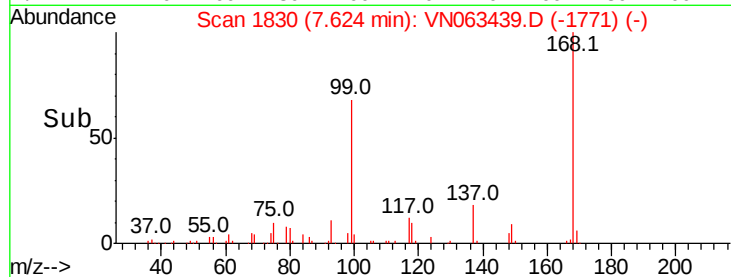
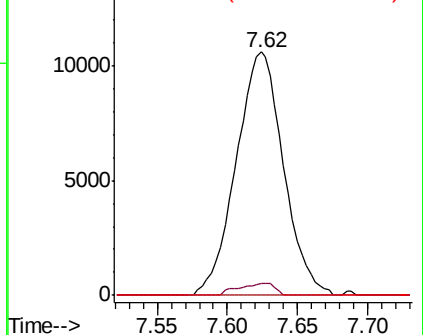
121 0.0 24.1 36.1#



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: 2.780 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063439.D

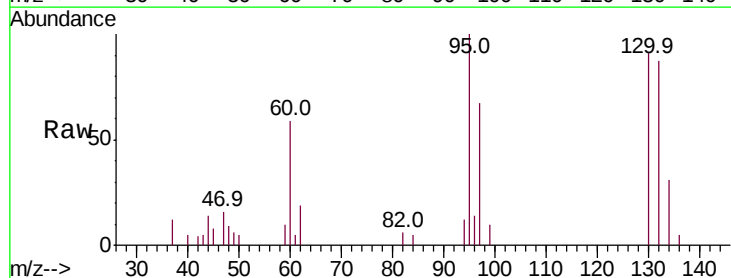
Acq: 17 Sep 2020 23:59

Tgt Ion:130 Resp: 8417

Ion Ratio Lower Upper

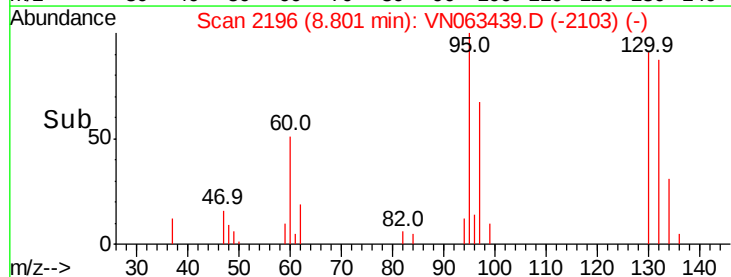
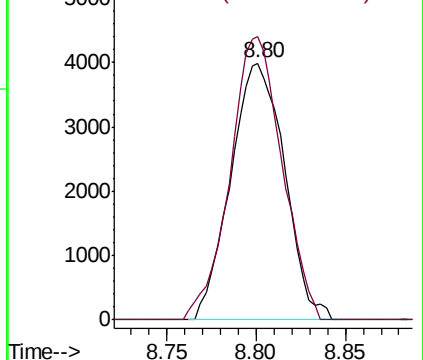
130 100

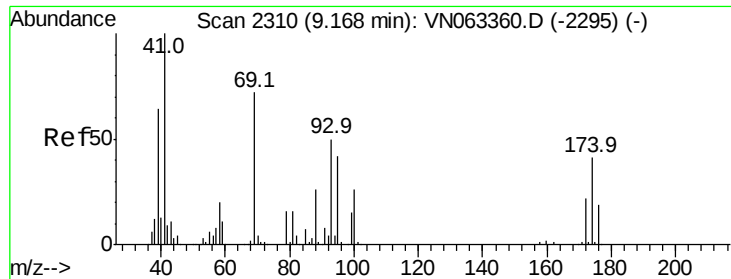
95 110.2 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V

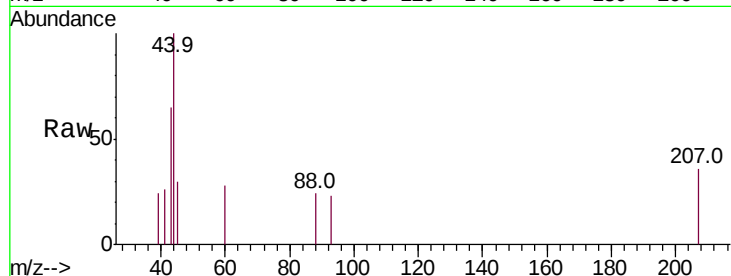




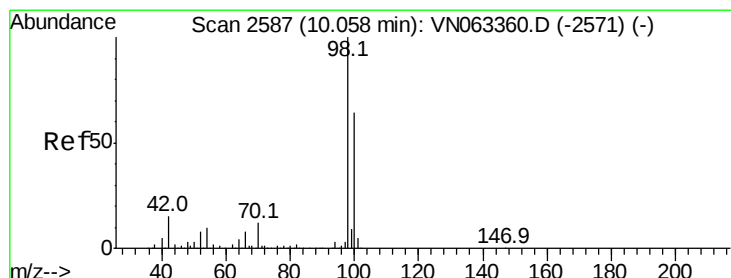
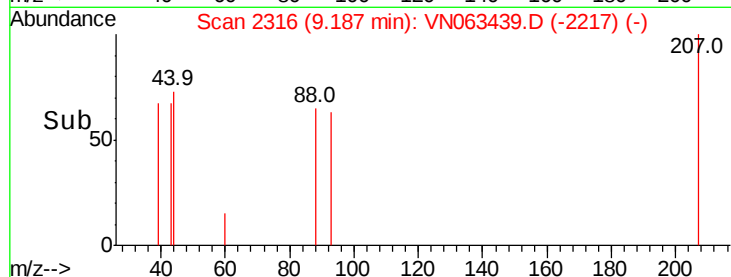
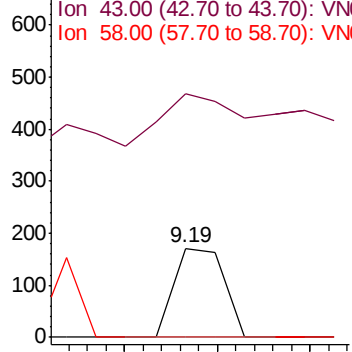
#49
1,4-Dioxane
Concen: 1.183 ug/l
RT: 9.19 min Scan# 2316
Delta R.T. 0.02 min
Lab File: VN063439.D
Acq: 17 Sep 2020 23:59

Instrument :
MSVOA_N
ClientSampled :
B14-5-7

Tot Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 712.5 32.6 49.0#
58 0.0 60.0 90.0#

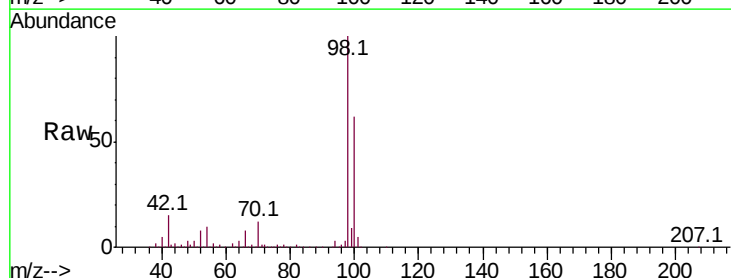


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

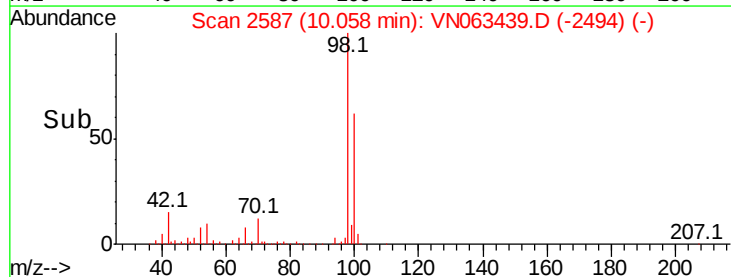
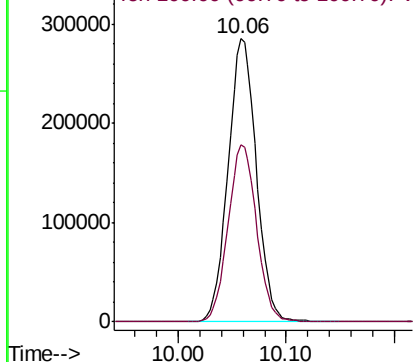


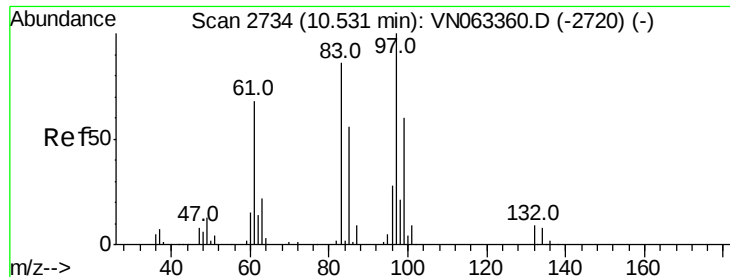
#50
Toluene-d8
Concen: 48.829 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063439.D
Acq: 17 Sep 2020 23:59

Tgt Ion: 98 Resp: 521759
Ion Ratio Lower Upper
98 100
100 63.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

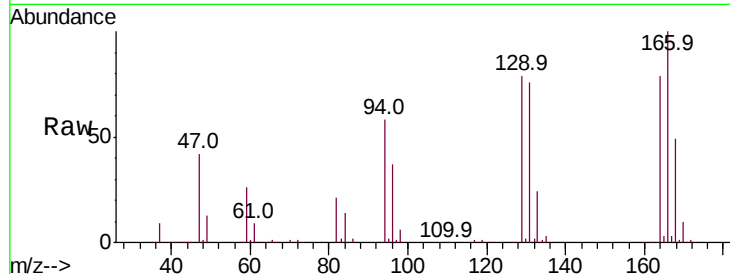




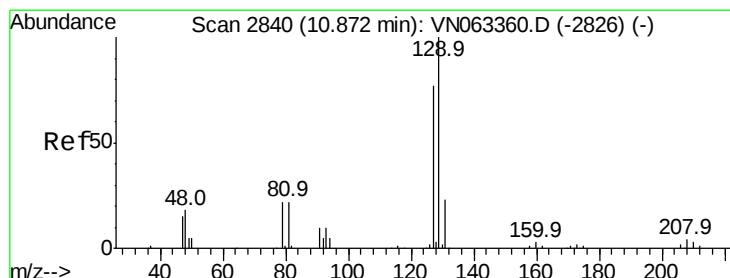
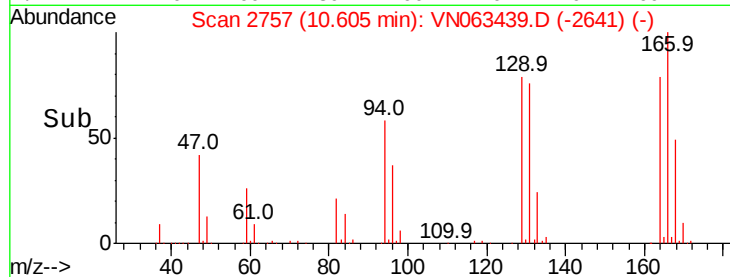
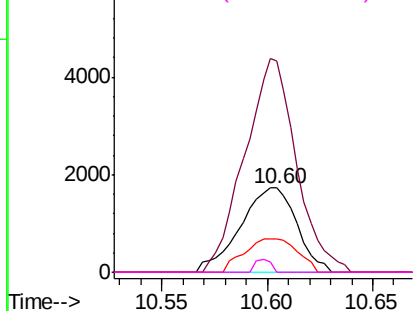
#55
 1,1,2-Trichloroethane
 Concen: 1.077 ug/l
 RT: 10.60 min Scan# 2757
 Delta R.T. 0.07 min
 Lab File: VN063439.D
 Acq: 17 Sep 2020 23:59

Instrument :
 MSVOA_N
 ClientSampled :
 B14-5-7

Tot Ion: 97 Resp: 3211
 Ion Ratio Lower Upper
 97 100
 83 249.8 68.9 103.3#
 85 39.6 44.8 67.2#
 99 0.0 47.8 71.8#

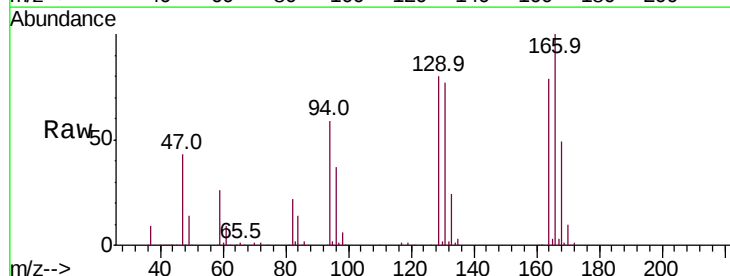


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

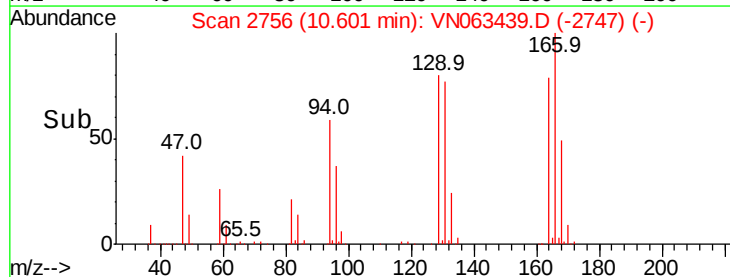
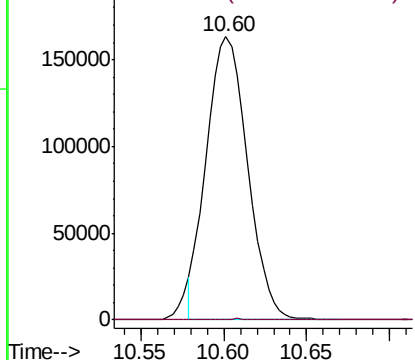


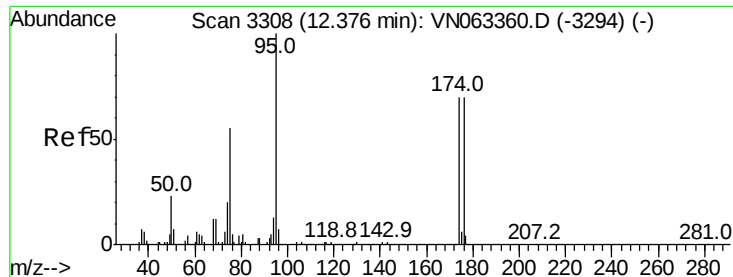
#60
 Dibromochloromethane
 Concen: 83.067 ug/l
 RT: 10.60 min Scan# 2756
 Delta R.T. -0.27 min
 Lab File: VN063439.D
 Acq: 17 Sep 2020 23:59

Tgt Ion: 129 Resp: 279777
 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: 53.441 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063439.D

Acq: 17 Sep 2020 23:59

Instrument :

MSVOA_N

ClientSampleId :

B14-5-7

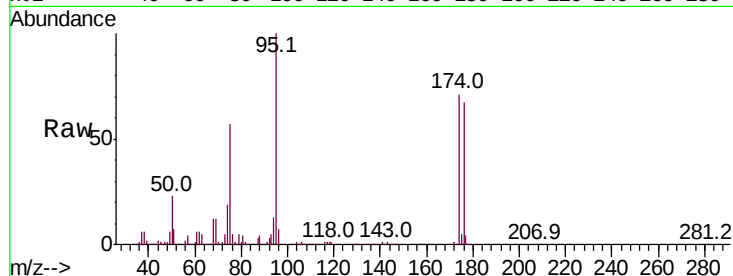
Tot Ion: 95 Resp: 209331

Ion Ratio Lower Upper

95 100

174 71.6 0.0 140.8

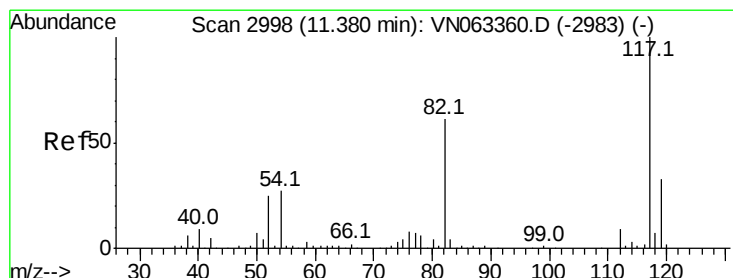
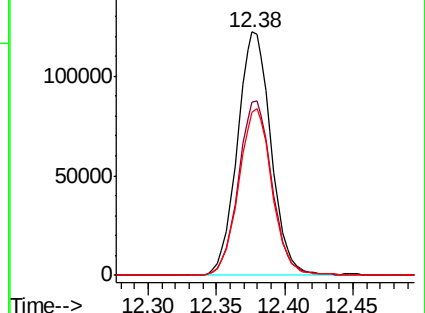
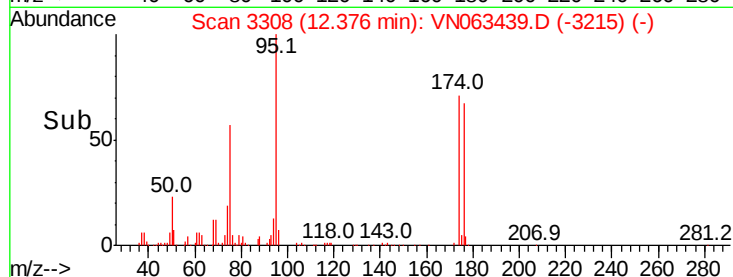
176 68.0 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063439.D (-2905) (-)

Ion 173.80 (173.50 to 174.50): VN063439.D (-2905) (-)

Ion 175.80 (175.50 to 176.50): VN063439.D (-2905) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063439.D

Acq: 17 Sep 2020 23:59

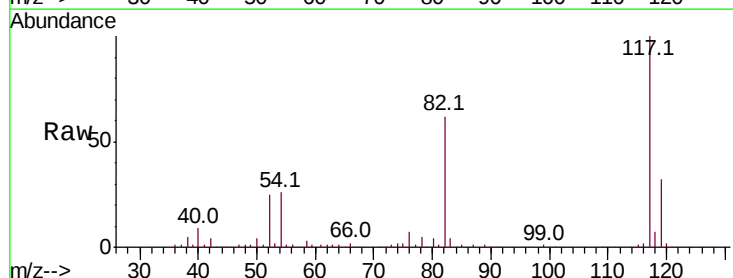
Tgt Ion: 117 Resp: 406881

Ion Ratio Lower Upper

117 100

82 62.2 49.2 73.8

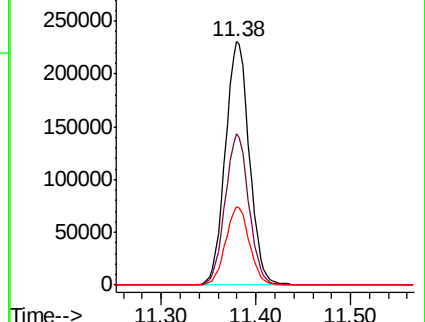
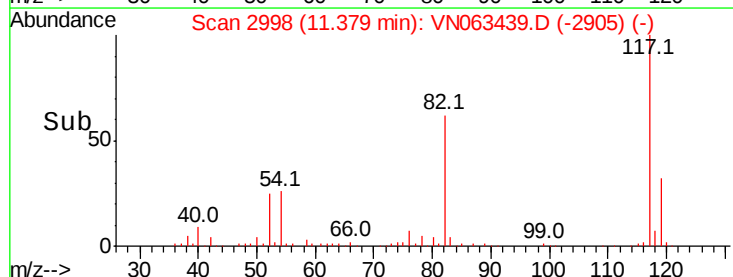
119 32.4 26.2 39.4

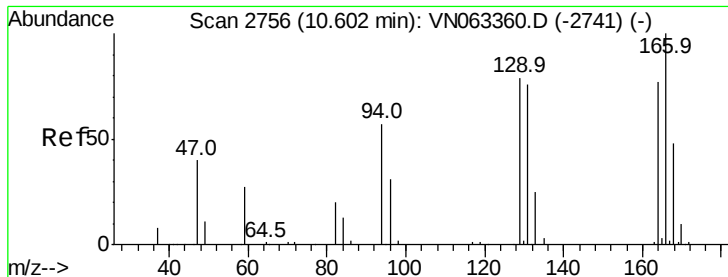


Abundance Ion 116.90 (116.60 to 117.60): VN063439.D (-2905) (-)

Ion 82.00 (81.70 to 82.70): VN063439.D (-2905) (-)

Ion 118.90 (118.60 to 119.60): VN063439.D (-2905) (-)





#64

Tetrachloroethene

Concen: 103.385 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN063439.D

Acq: 17 Sep 2020 23:59

Instrument :

MSVOA_N

ClientSampleId :

B14-5-7

Tot Ion:164 Resp: 286436

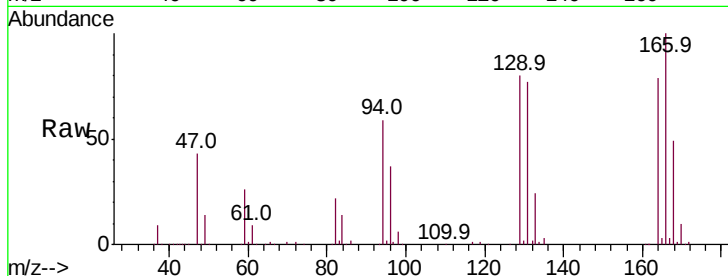
Ion Ratio Lower Upper

164 100

166 126.6 103.4 155.0

129 101.8 81.8 122.6

131 97.4 78.2 117.4

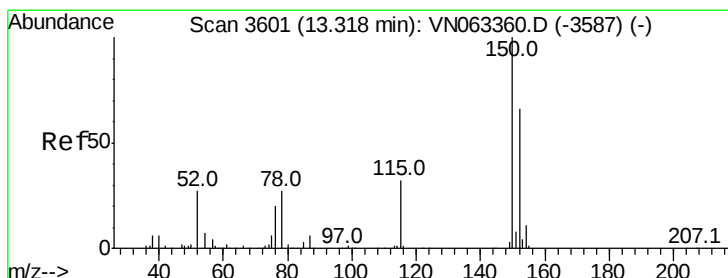
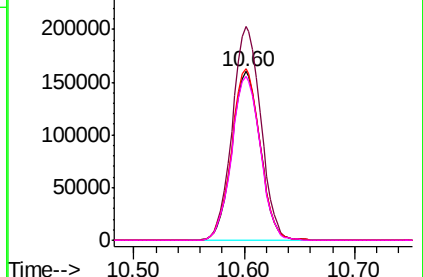
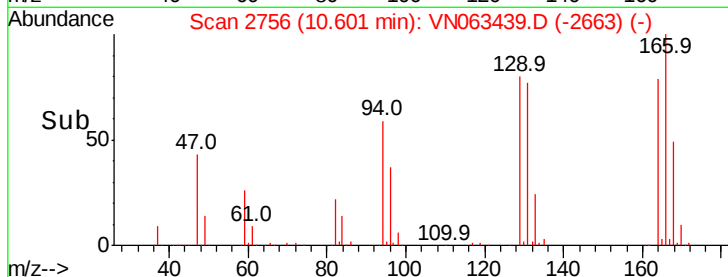


Abundance Ion 163.80 (163.50 to 164.50): V

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: VN063439.D

Acq: 17 Sep 2020 23:59

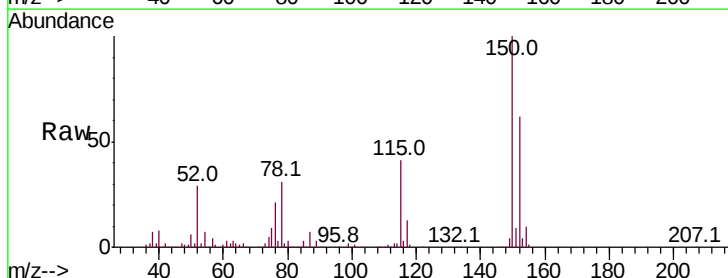
Tgt Ion:152 Resp: 182198

Ion Ratio Lower Upper

152 100

115 65.9 32.2 96.6

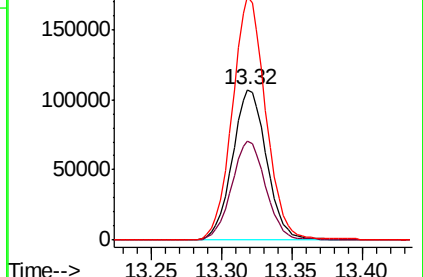
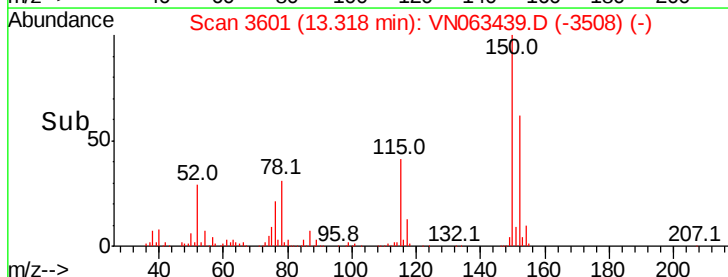
150 158.3 0.0 343.4

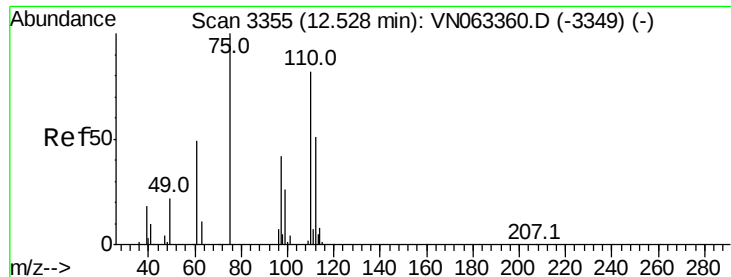


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 26.343 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063439.D

Acq: 17 Sep 2020 23:59

Instrument :

MSVOA_N

ClientSampleId :

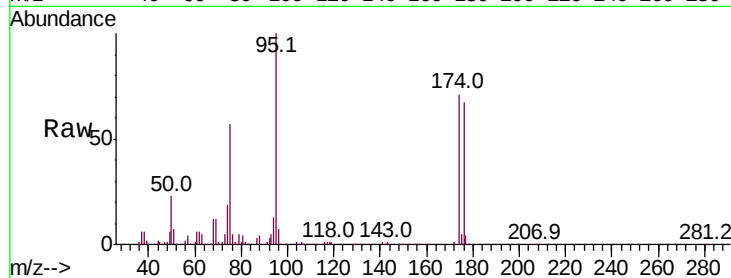
B14-5-7

Tot Ion: 75 Resp: 118797

Ion Ratio Lower Upper

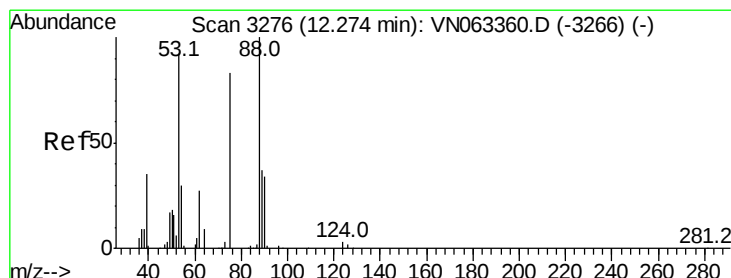
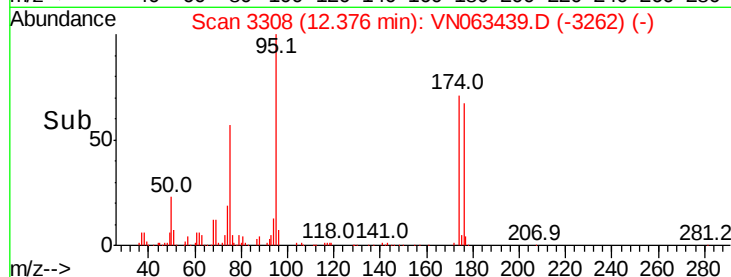
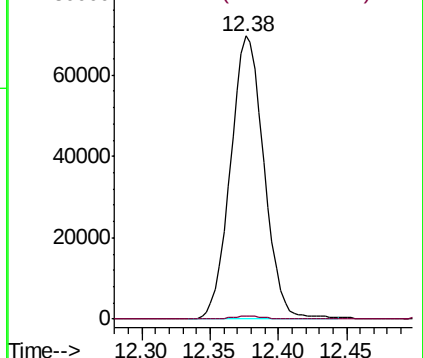
75 100

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: 72.222 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063439.D

Acq: 17 Sep 2020 23:59

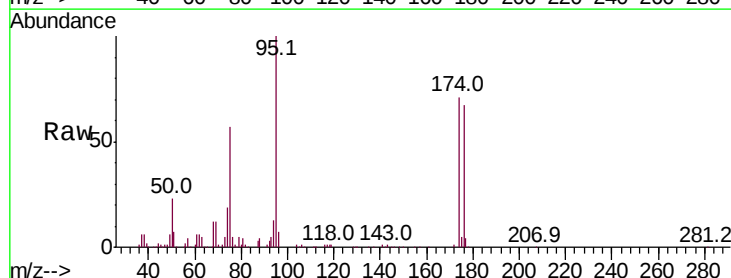
Tgt Ion: 75 Resp: 118797

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

