

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092520\
 Data File : VN063689.D
 Acq On : 25 Sep 2020 19:30
 Operator : JC/MD
 Sample : L4133-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FIELD-BLANK

Quant Time: Sep 28 02:04:34 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	198824	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	374585	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	380894	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	157610	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	179090	52.91	ug/l	0.00
Spiked Amount			Recovery	=	105.82%	
35) Dibromofluoromethane	7.55	113	124566	48.04	ug/l	0.00
Spiked Amount			Recovery	=	96.08%	
50) Toluene-d8	10.06	98	480393	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
62) 4-Bromofluorobenzene	12.38	95	188481	52.73	ug/l	0.00
Spiked Amount			Recovery	=	105.46%	

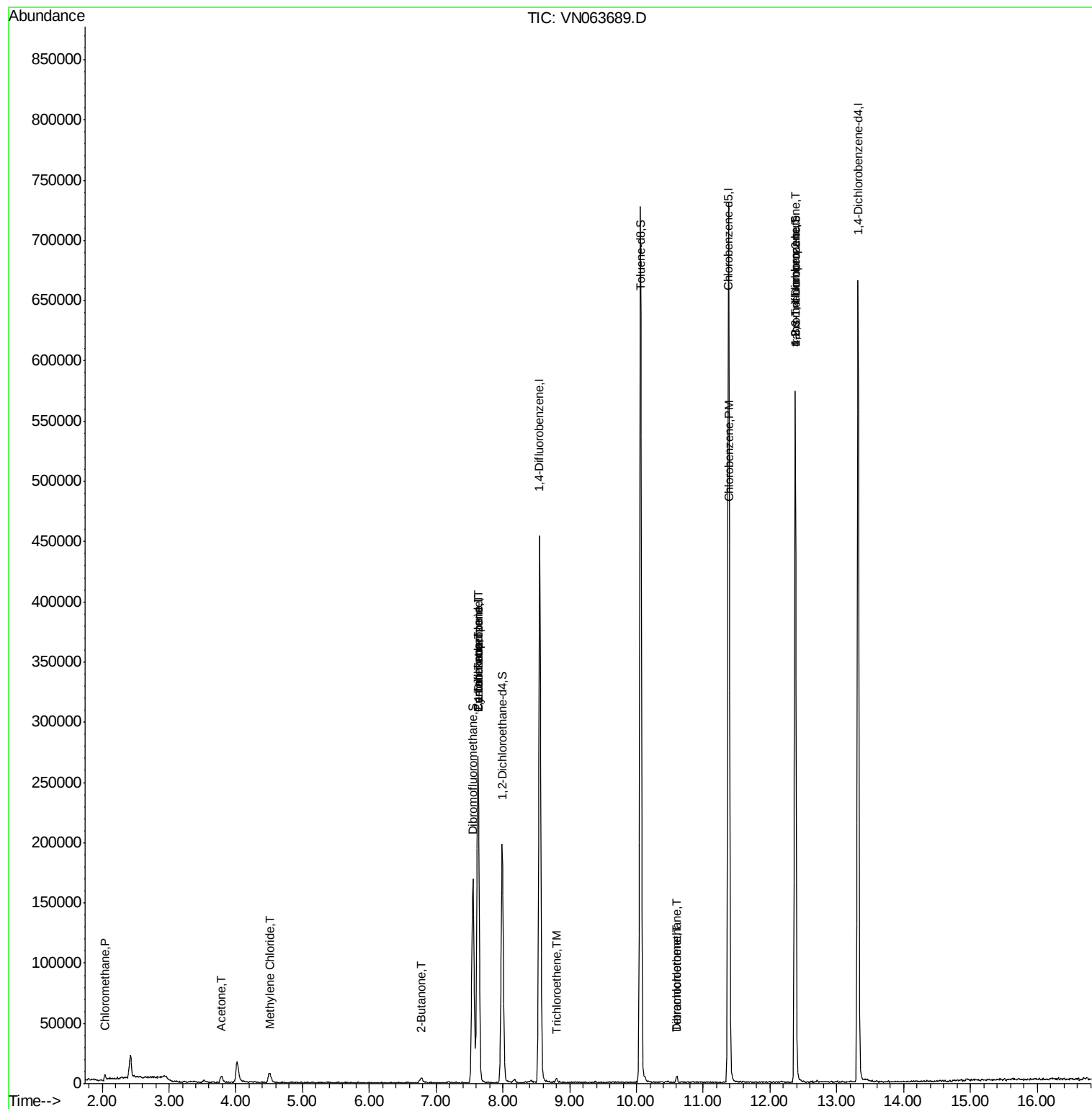
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	3308	1.110	ug/l	96
16) Acetone	3.78	43	8339	7.666	ug/l	100
20) Methylene Chloride	4.51	84	5501	1.996	ug/l #	84
25) 2-Butanone	6.78	43	432	0.258	ug/l #	51
31) Cyclohexane	7.63	56	6180	1.322	ug/l #	31
36) 1,1-Dichloropropene	7.62	75	19553	4.900	ug/l #	43
38) Carbon Tetrachloride	7.63	117	22476	5.517	ug/l #	19
44) Trichloroethene	8.80	130	938	0.339	ug/l	98
60) Dibromochloromethane	10.60	129	937	0.305	ug/l #	10
64) Tetrachloroethene	10.61	164	1078	0.416	ug/l #	72
65) Chlorobenzene	11.40	112	2591	0.320	ug/l #	76
76) 1,2,3-Trichloropropane	12.38	75	108737	27.874	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	108737	76.419	ug/l #	7

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

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Quant Time: Sep 28 02:04:34 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
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: VN063689.D

Acq: 25 Sep 2020 19:30

Instrument :

MSVOA_N

ClientSampleId :

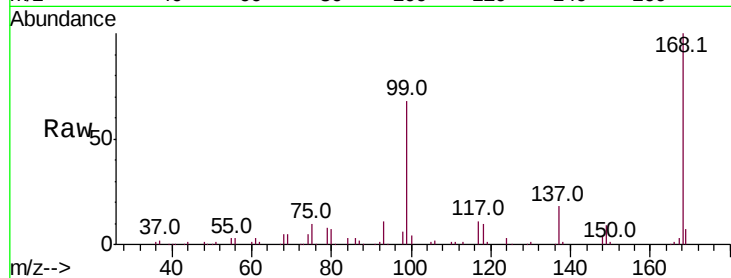
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Tot Ion:168 Resp: 198824

Ion Ratio Lower Upper

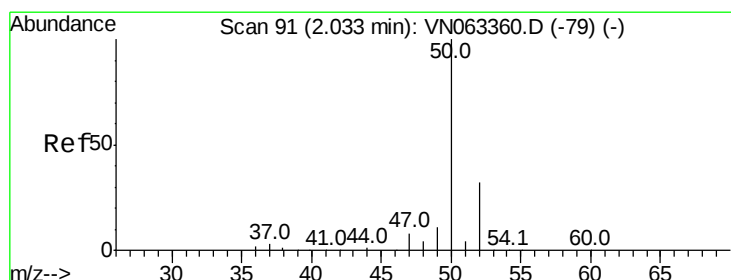
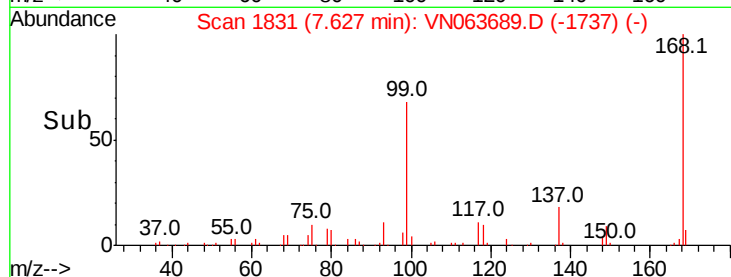
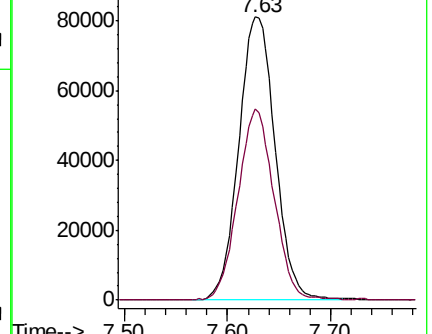
168 100

99 67.5 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#3

Chloromethane

Concen: 1.110 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063689.D

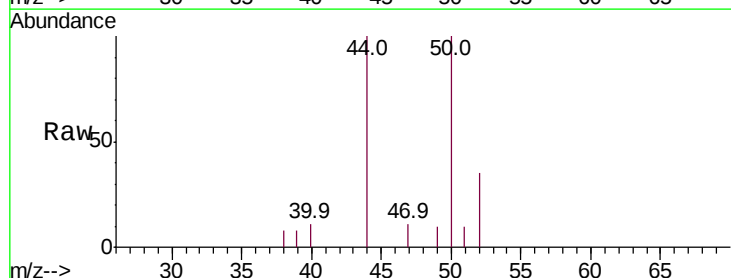
Acq: 25 Sep 2020 19:30

Tgt Ion: 50 Resp: 3308

Ion Ratio Lower Upper

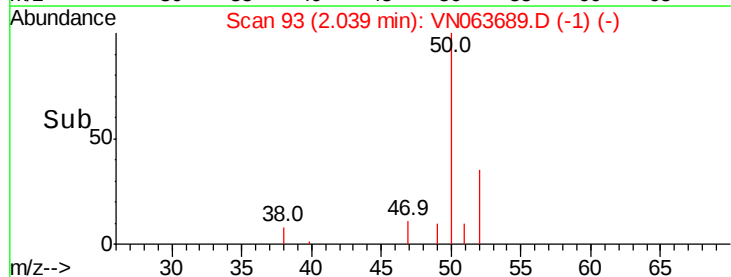
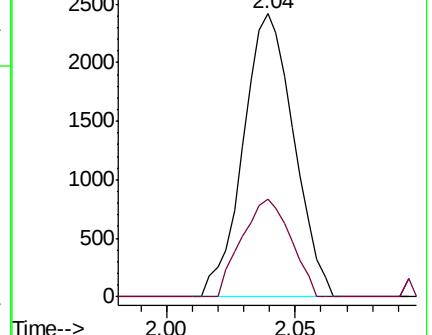
50 100

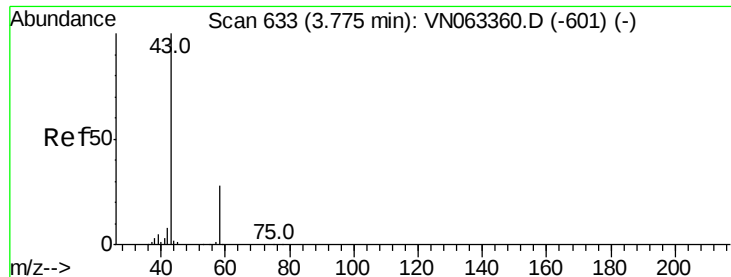
52 34.7 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VN





#16

Acetone

Concen: 7.666 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063689.D

Acq: 25 Sep 2020 19:30

Instrument :

MSVOA_N

ClientSampled :

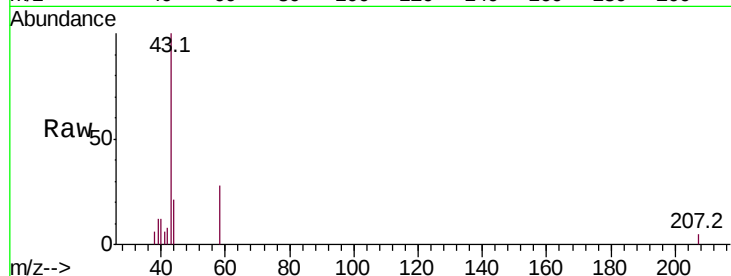
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Tot Ion: 43 Resp: 8339

Ion Ratio Lower Upper

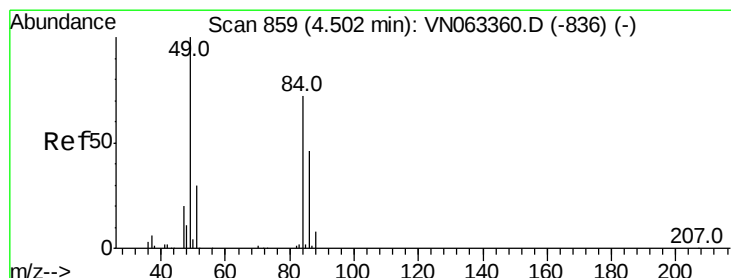
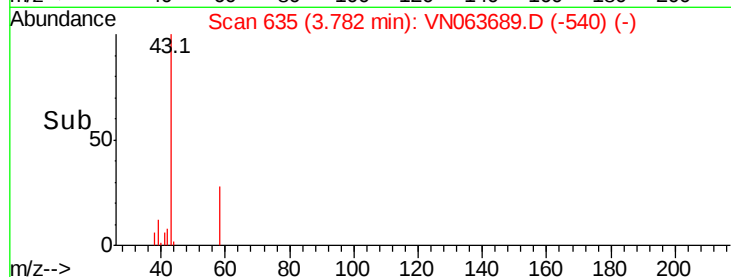
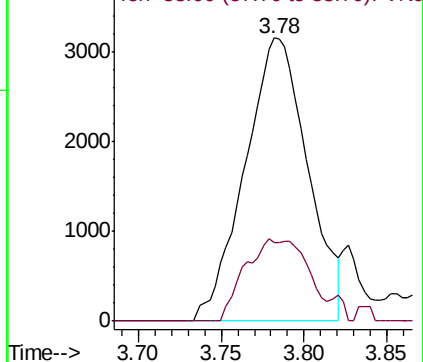
43 100

58 28.0 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN063360.D (-601) (-)



#20

Methylene Chloride

Concen: 1.996 ug/l

RT: 4.51 min Scan# 863

Delta R.T. 0.01 min

Lab File: VN063689.D

Acq: 25 Sep 2020 19:30

Tgt Ion: 84 Resp: 5501

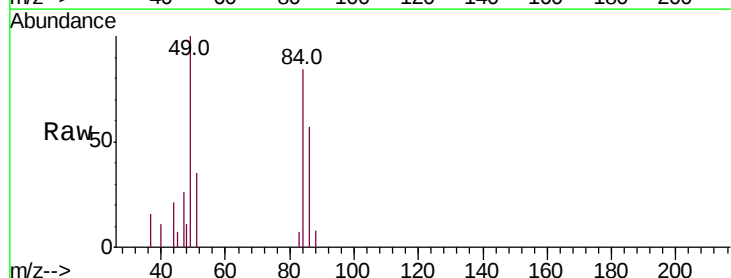
Ion Ratio Lower Upper

84 100

49 108.4 110.7 166.1#

51 42.1 32.9 49.3

86 68.4 51.1 76.7

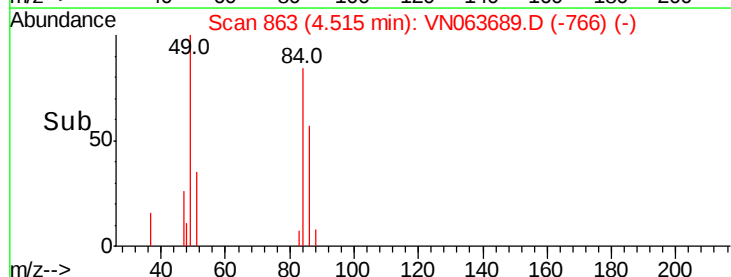
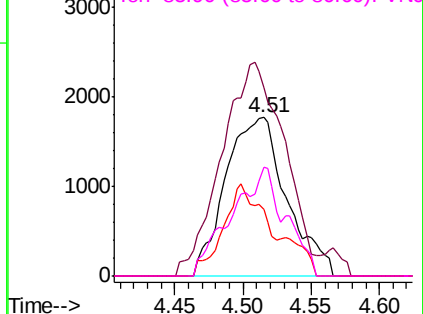


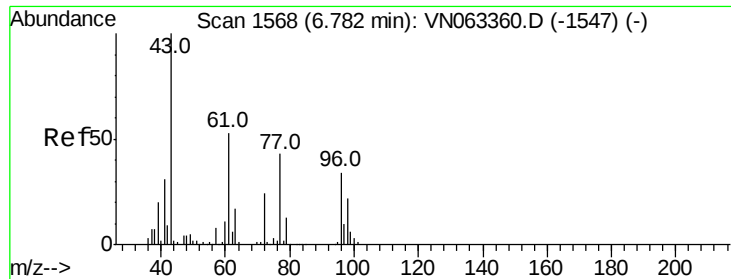
Abundance Ion 83.90 (83.60 to 84.60): VN063360.D (-836) (-)

Ion 48.90 (48.60 to 49.60): VN063360.D (-836) (-)

Ion 50.90 (50.60 to 51.60): VN063360.D (-836) (-)

Ion 85.90 (85.60 to 86.60): VN063360.D (-836) (-)

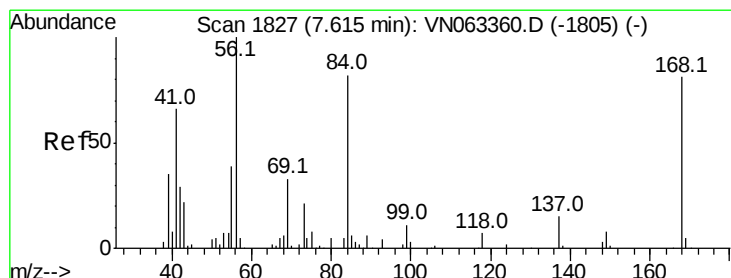
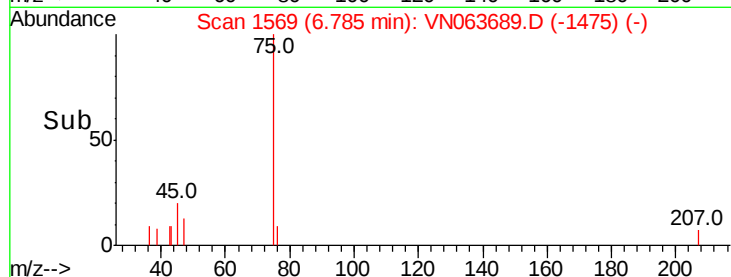
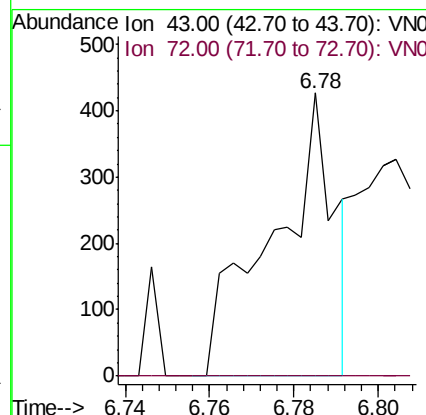
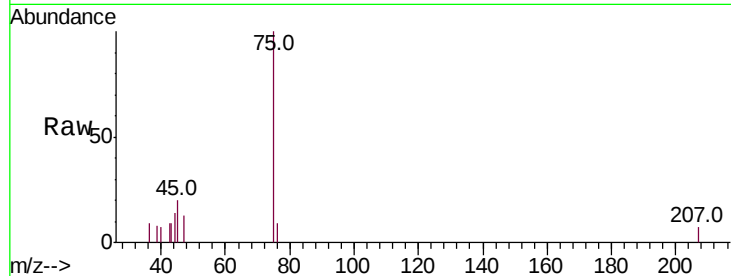




#25
2-Butanone
Concen: 0.258 ug/l
RT: 6.78 min Scan# 1569
Delta R.T. 0.00 min
Lab File: VN063689.D
Acq: 25 Sep 2020 19:30

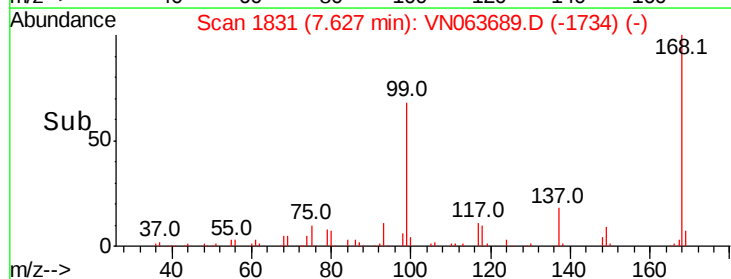
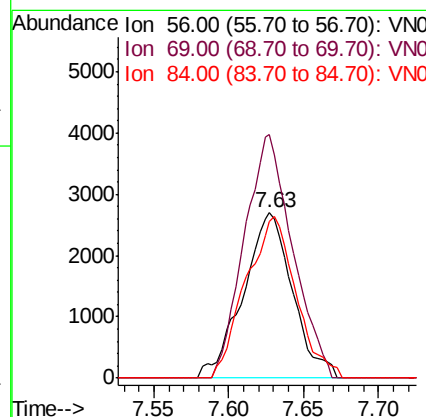
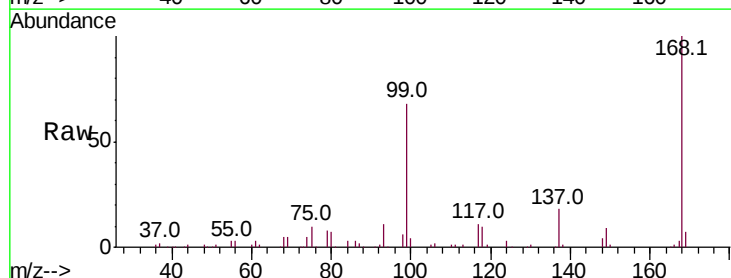
Instrument :
MSVOA_N
ClientSampleId :
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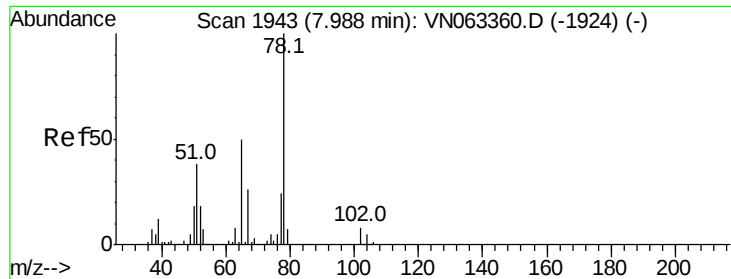
Tot Ion: 43 Resp: 432
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#



#31
Cyclohexane
Concen: 1.322 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063689.D
Acq: 25 Sep 2020 19:30

Tgt Ion: 56 Resp: 6180
Ion Ratio Lower Upper
56 100
69 147.3 26.1 39.1#
84 95.0 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 52.915 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN063689.D

Acq: 25 Sep 2020 19:30

Instrument :

MSVOA_N

ClientSampleId :

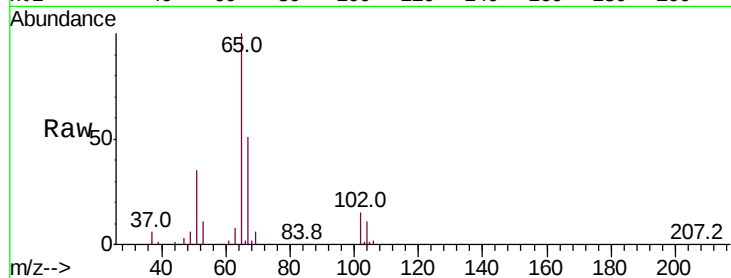
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Tot Ion: 65 Resp: 179090

Ion Ratio Lower Upper

65 100

67 49.8 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

7.99

80000

60000

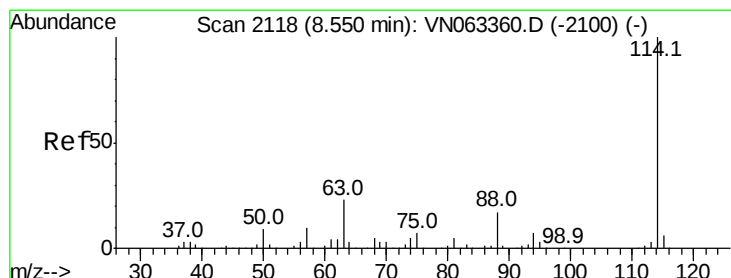
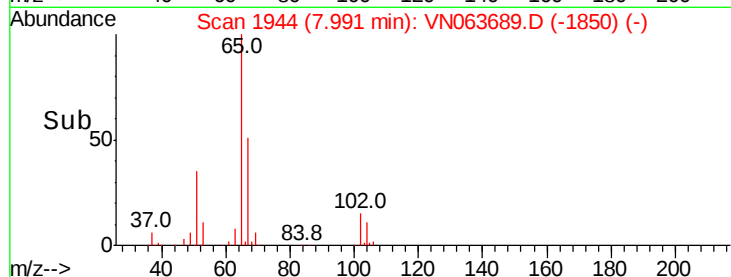
40000

20000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN063689.D

Acq: 25 Sep 2020 19:30

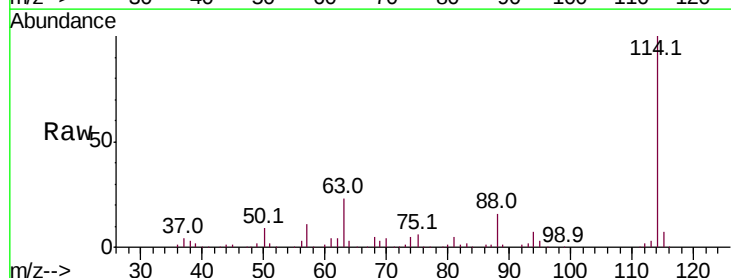
Tgt Ion:114 Resp: 374585

Ion Ratio Lower Upper

114 100

63 22.9 0.0 46.4

88 16.2 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

250000

200000

150000

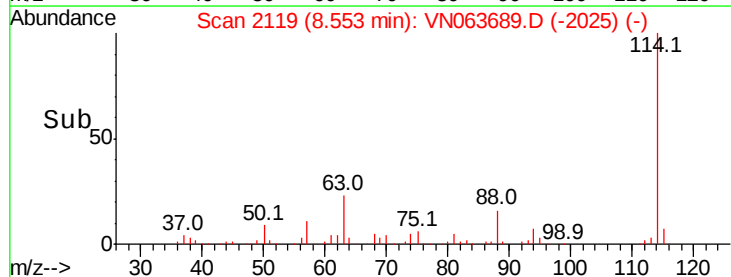
100000

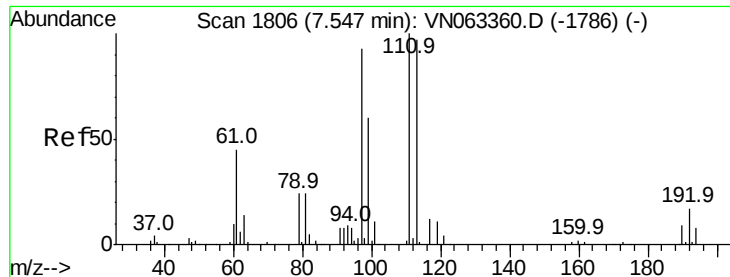
50000

0

8.50 8.60

Time-->





#35

Dibromofluoromethane

Concen: 48.036 ug/l

RT: 7.55 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VN063689.D

Acq: 25 Sep 2020 19:30

Instrument :

MSVOA_N

ClientSampleId :

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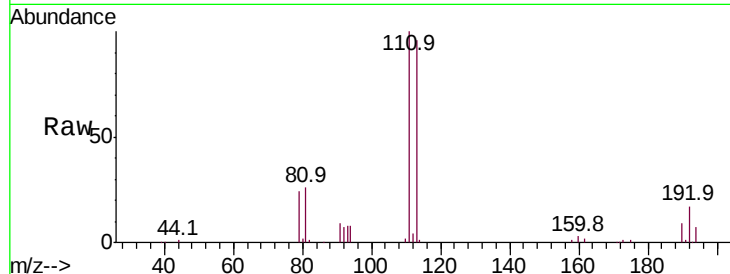
Tot Ion:113 Resp: 124566

Ion Ratio Lower Upper

113 100

111 103.7 82.9 124.3

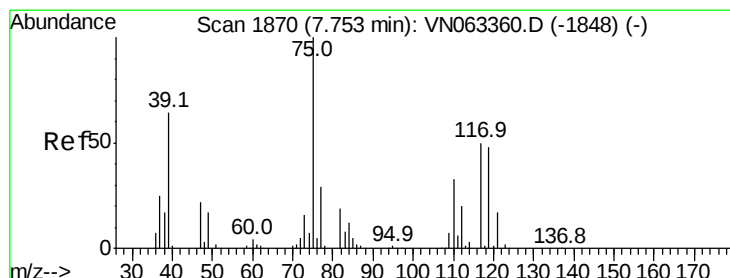
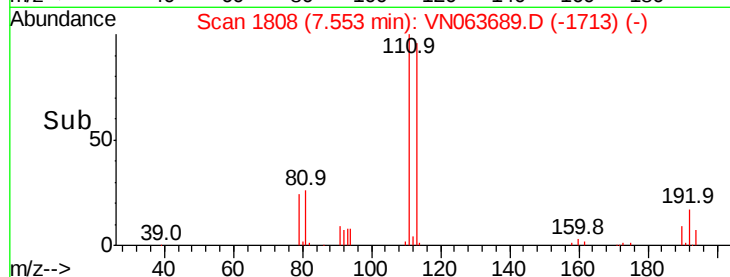
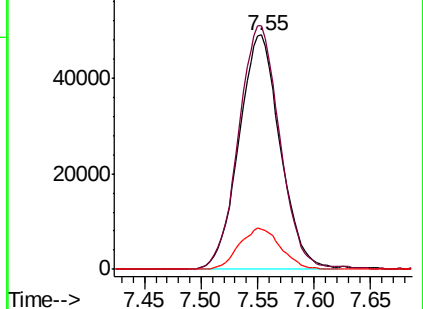
192 17.6 13.9 20.9



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: 4.900 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063689.D

Acq: 25 Sep 2020 19:30

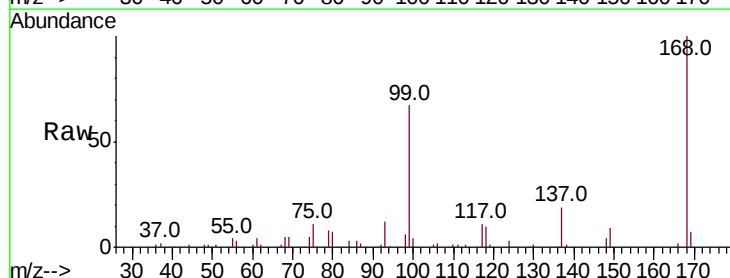
Tgt Ion: 75 Resp: 19553

Ion Ratio Lower Upper

75 100

110 0.7 16.5 49.5#

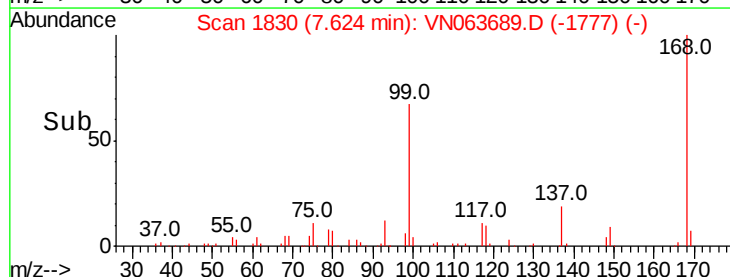
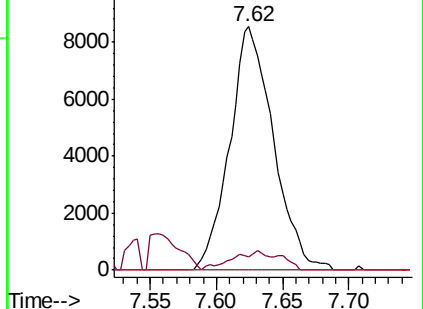
77 0.0 24.6 36.8#

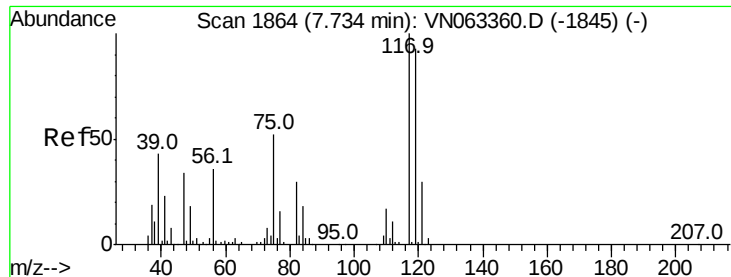


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.517 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063689.D

Acq: 25 Sep 2020 19:30

Instrument :

MSVOA_N

ClientSampled :

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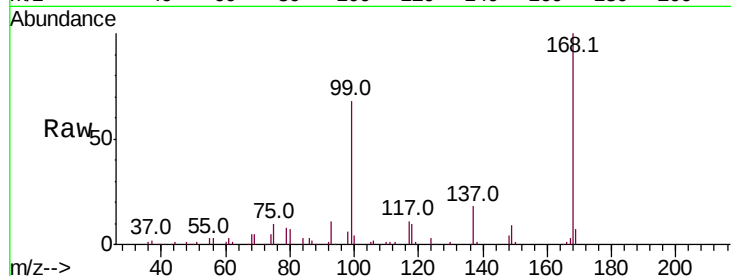
Tot Ion:117 Resp: 22476

Ion Ratio Lower Upper

117 100

119 6.9 74.5 111.7#

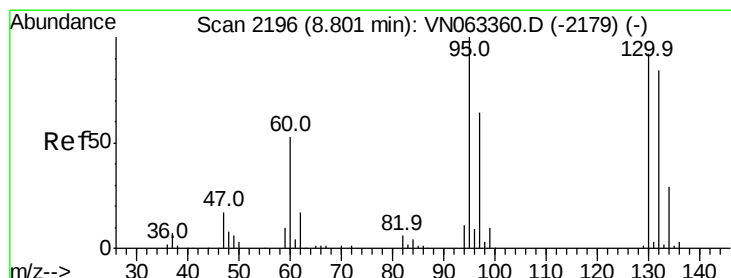
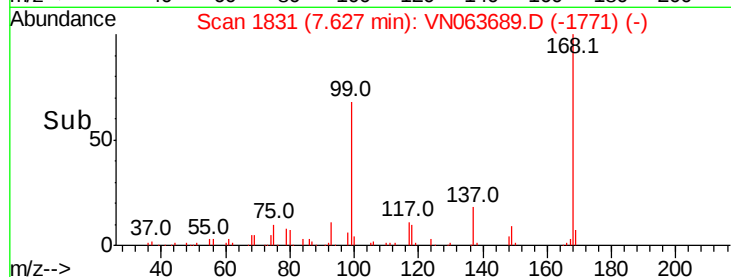
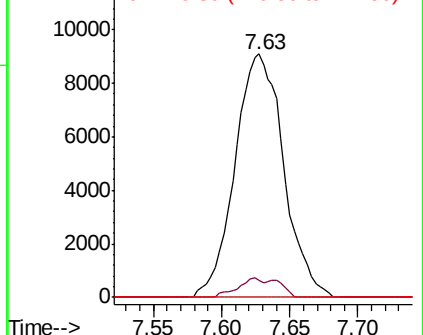
121 0.0 24.1 36.1#



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: 0.339 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN063689.D

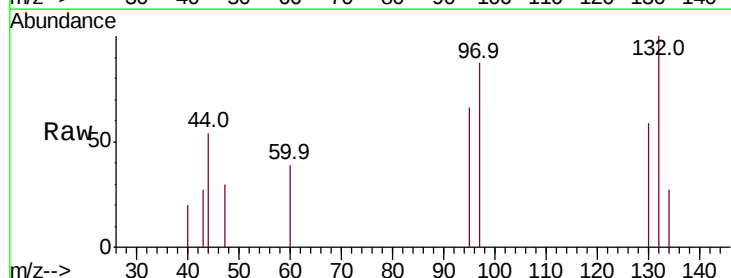
Acq: 25 Sep 2020 19:30

Tgt Ion:130 Resp: 938

Ion Ratio Lower Upper

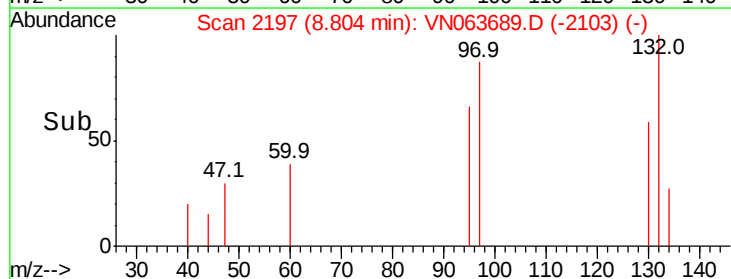
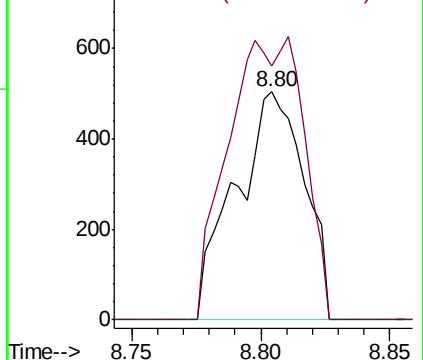
130 100

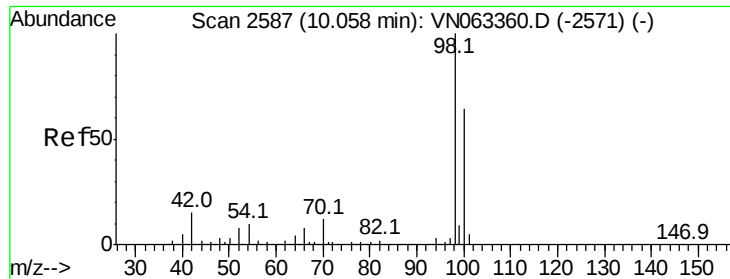
95 111.3 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): V





#50

Toluene-d8

Concen: 49.267 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063689.D

Acq: 25 Sep 2020 19:30

Instrument :

MSVOA_N

ClientSampled :

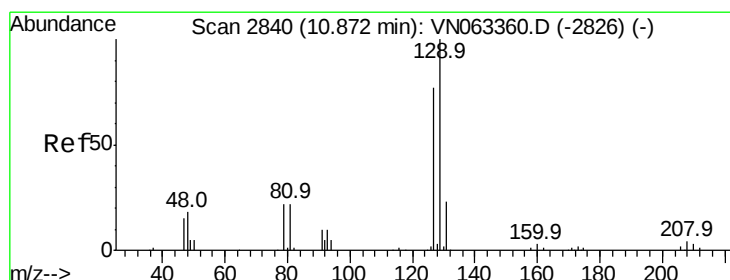
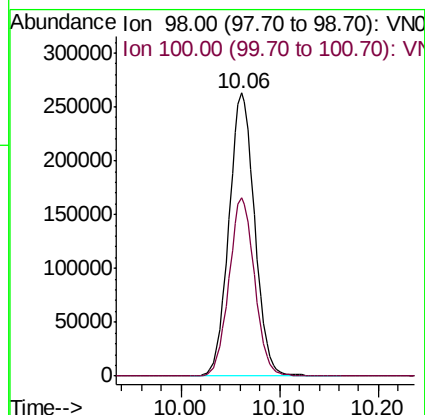
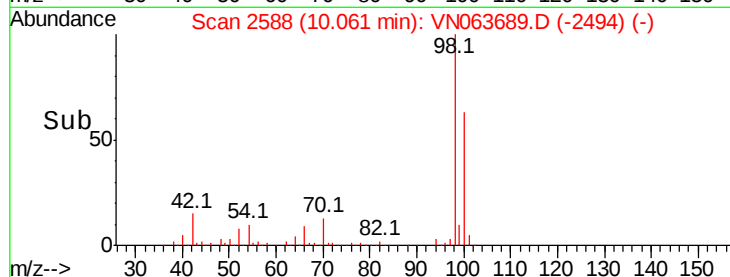
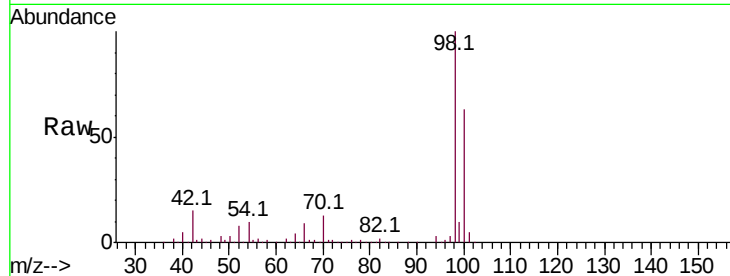
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Tot Ion: 98 Resp: 480393

Ion Ratio Lower Upper

98 100

100 62.6 50.7 76.1



#60

Dibromochloromethane

Concen: 0.305 ug/l

RT: 10.60 min Scan# 2755

Delta R.T. -0.27 min

Lab File: VN063689.D

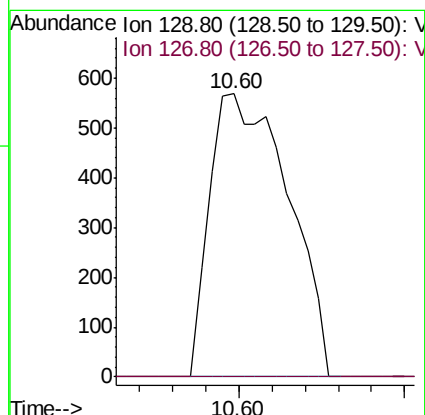
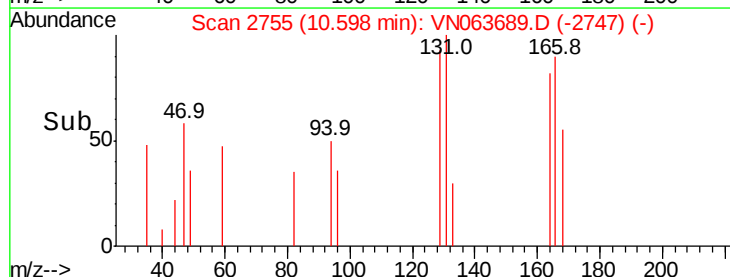
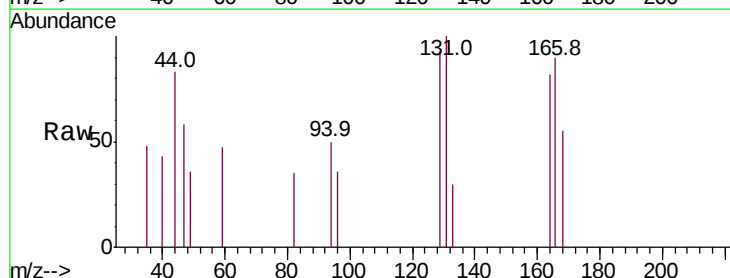
Acq: 25 Sep 2020 19:30

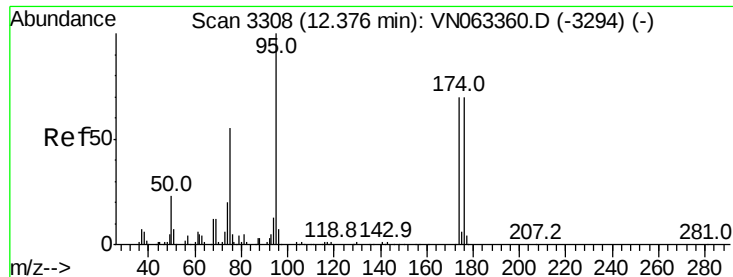
Tgt Ion: 129 Resp: 937

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#





#62

4-Bromofluorobenzene

Concen: 52.730 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063689.D

Acq: 25 Sep 2020 19:30

Instrument :

MSVOA_N

ClientSampled :

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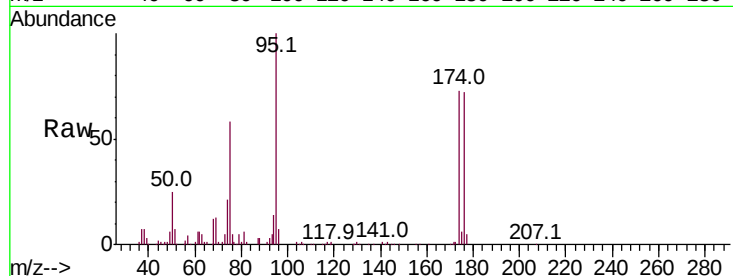
Tot Ion: 95 Resp: 188481

Ion Ratio Lower Upper

95 100

174 73.3 0.0 140.8

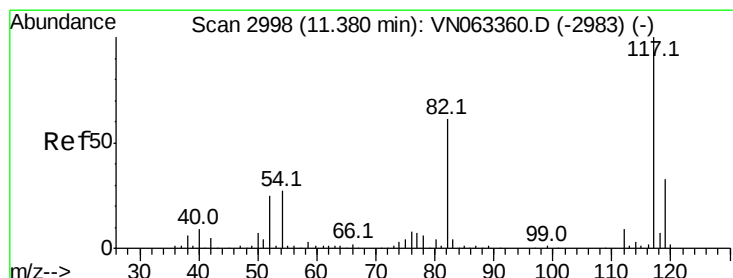
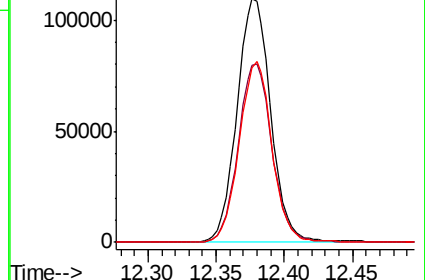
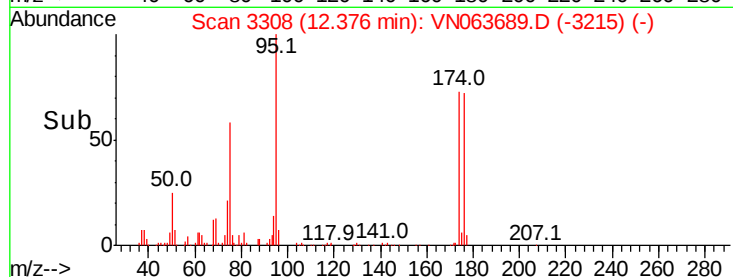
176 72.3 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063689.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063689.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063689.D (-3294) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063689.D

Acq: 25 Sep 2020 19:30

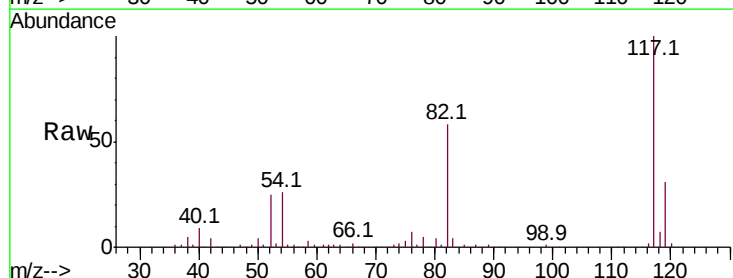
Tgt Ion: 117 Resp: 380894

Ion Ratio Lower Upper

117 100

82 58.4 49.2 73.8

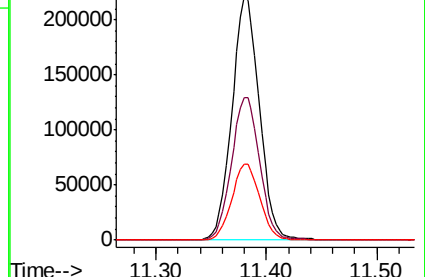
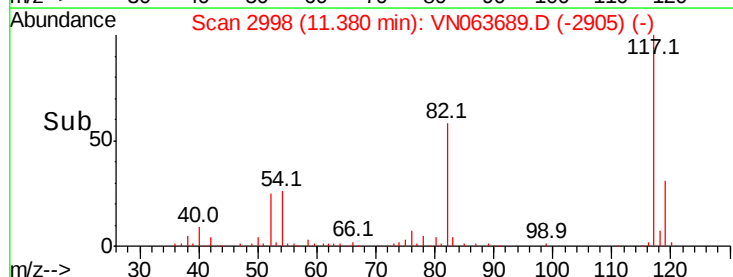
119 31.4 26.2 39.4

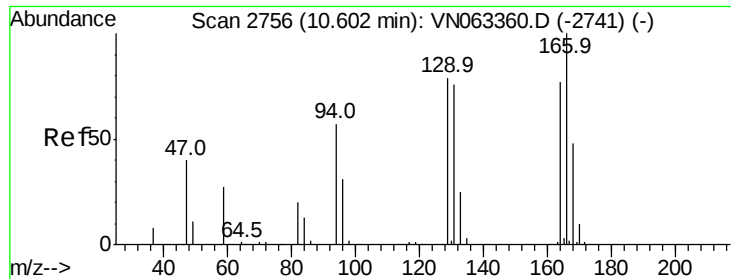


Abundance Ion 116.90 (116.60 to 117.60): VN063689.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063689.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063689.D (-2983) (-)





#64

Tetrachloroethene

Concen: 0.416 ug/l

RT: 10.61 min Scan# 2758

Delta R.T. 0.01 min

Lab File: VN063689.D

Acq: 25 Sep 2020 19:30

Instrument :

MSVOA_N

ClientSampled :

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Tot Ion:164 Resp: 1078

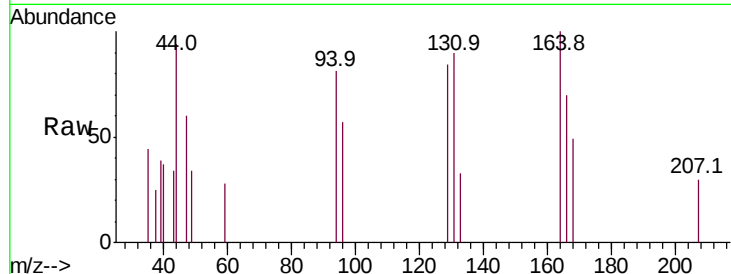
Ion Ratio Lower Upper

164 100

166 70.0 103.4 155.0#

129 83.7 81.8 122.6

131 90.1 78.2 117.4



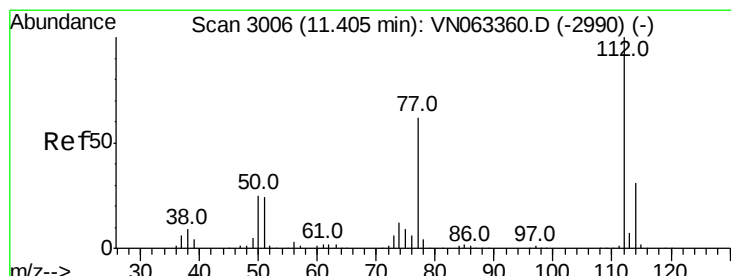
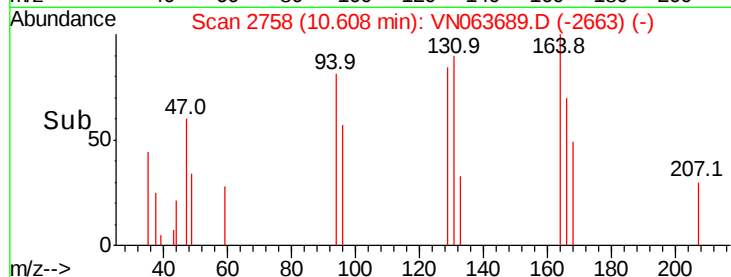
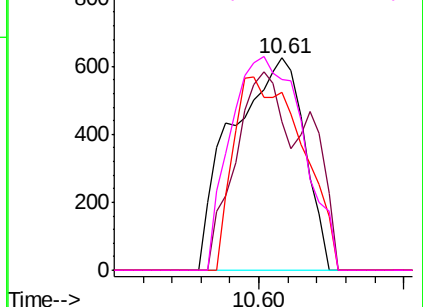
Abundance

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



#65

Chlorobenzene

Concen: 0.320 ug/l

RT: 11.40 min Scan# 3005

Delta R.T. -0.00 min

Lab File: VN063689.D

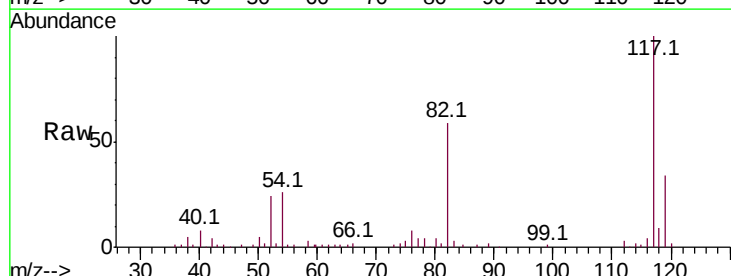
Acq: 25 Sep 2020 19:30

Tgt Ion:112 Resp: 2591

Ion Ratio Lower Upper

112 100

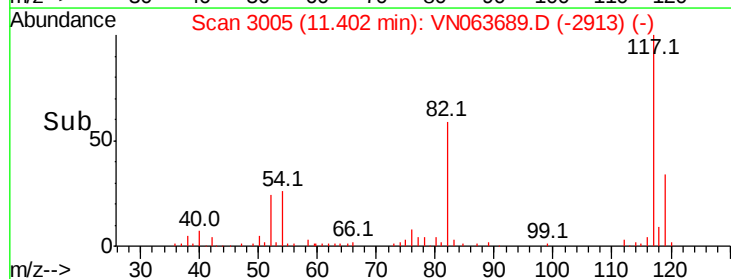
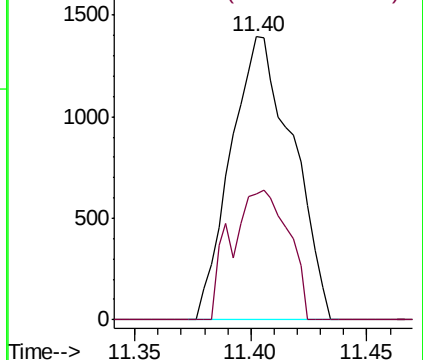
114 44.6 25.0 37.6#

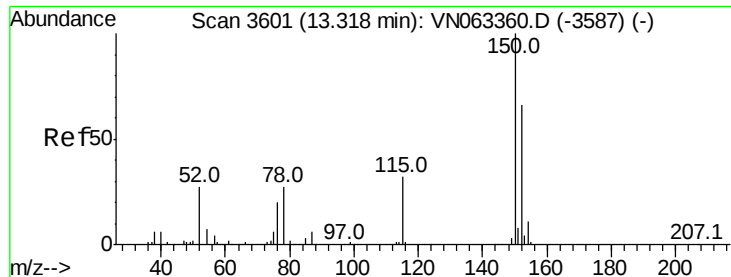


Abundance

Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): 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: VN063689.D

Acq: 25 Sep 2020 19:30

Instrument :

MSVOA_N

ClientSampled :

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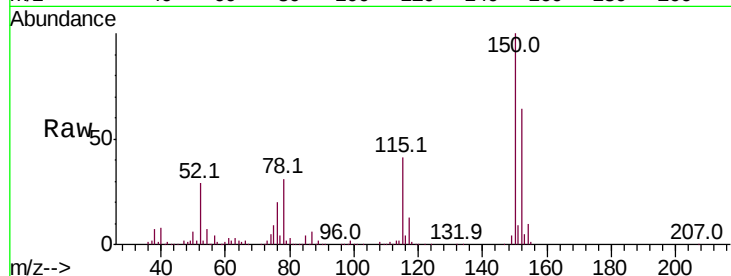
Tot Ion:152 Resp: 157610

Ion Ratio Lower Upper

152 100

115 63.9 32.2 96.6

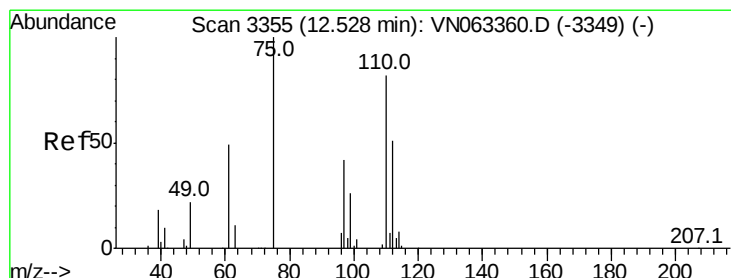
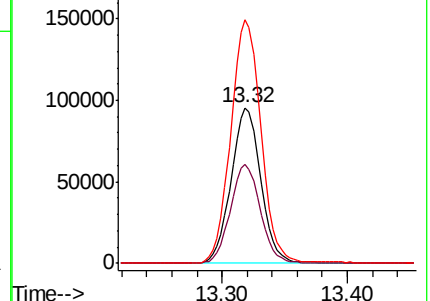
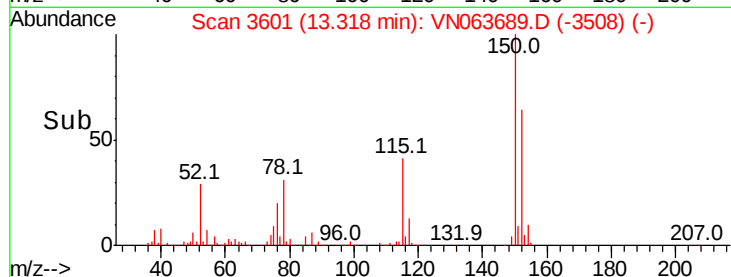
150 159.1 0.0 343.4



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: 27.874 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063689.D

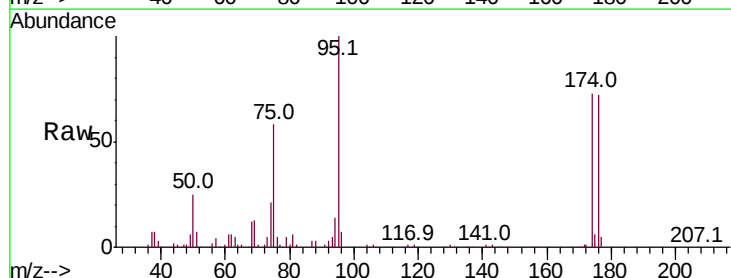
Acq: 25 Sep 2020 19:30

Tgt Ion: 75 Resp: 108737

Ion Ratio Lower Upper

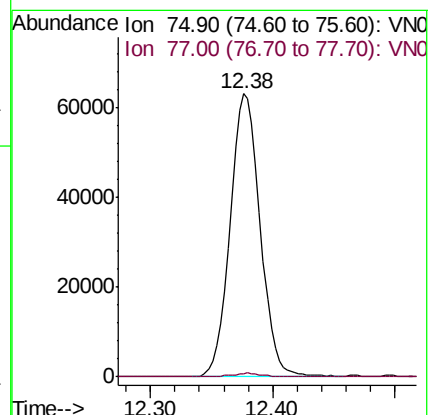
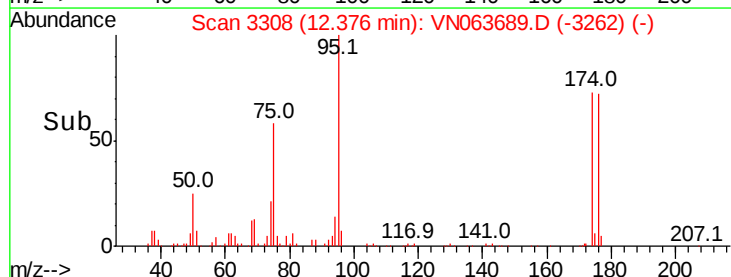
75 100

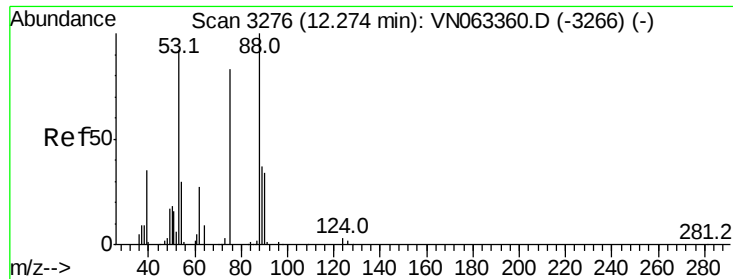
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 76.419 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063689.D

Acq: 25 Sep 2020 19:30

Instrument :

MSVOA_N

ClientSampleId :

FIELD-BLANK

Tot Ion: 75 Resp: 108737

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

