

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092320\
 Data File : VN063587.D
 Acq On : 23 Sep 2020 14:31
 Operator : JC/MD
 Sample : L4038-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FIELD-BLANK

Quant Time: Sep 24 02:35:22 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	211203	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	397912	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	402683	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	165614	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	180038	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
35) Dibromofluoromethane	7.55	113	133013	48.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.58%	
50) Toluene-d8	10.06	98	515354	49.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.50%	
62) 4-Bromofluorobenzene	12.38	95	194866	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	

Target Compounds

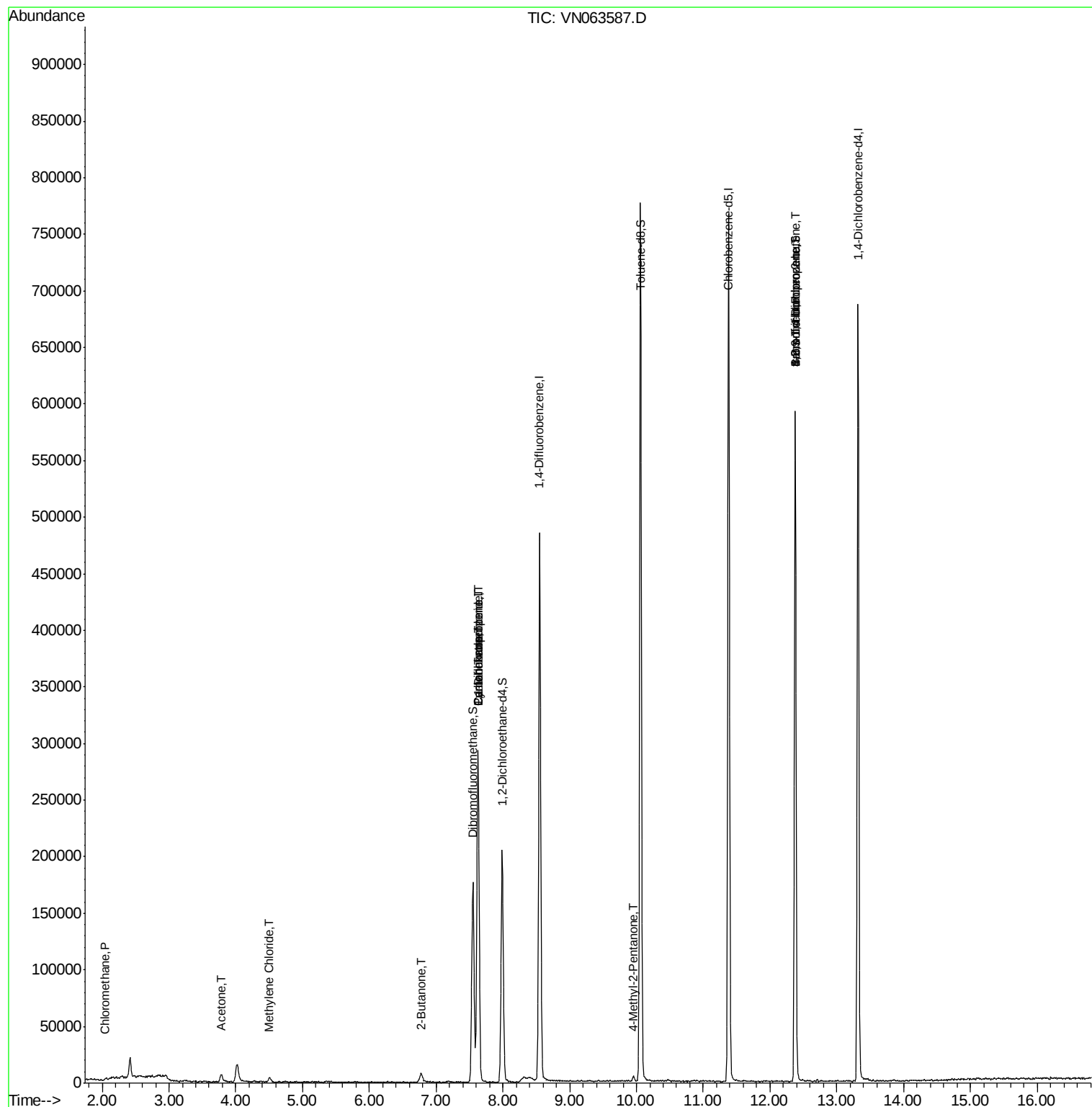
						Qvalue
3) Chloromethane	2.04	50	791	0.250	ug/l #	42
16) Acetone	3.78	43	11735	10.156	ug/l	97
20) Methylene Chloride	4.50	84	1489	0.509	ug/l #	75
25) 2-Butanone	6.79	43	1393	0.784	ug/l #	51
31) Cyclohexane	7.62	56	5634	1.135	ug/l #	11
36) 1,1-Dichloropropene	7.63	75	19242	4.539	ug/l #	50
38) Carbon Tetrachloride	7.63	117	23312	5.387	ug/l #	18
51) 4-Methyl-2-Pentanone	9.95	43	3588	0.861	ug/l #	86
71) Bromoform	12.37	173	723	0.310	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	112699	27.493	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	112699	75.376	ug/l #	7

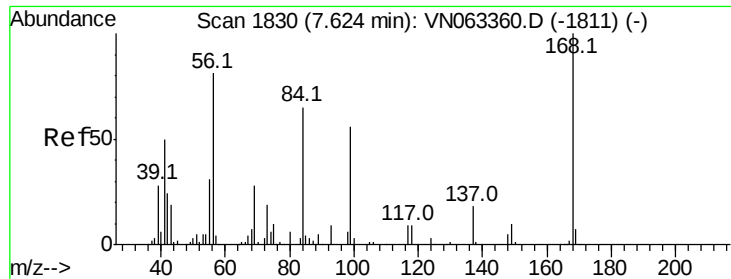
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092320\
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Misc : 5.00mL/MSVOA N/WATER
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Instrument :
MSVOA_N
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Quant Time: Sep 24 02:35:22 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: VN063587.D

Acq: 23 Sep 2020 14:31

Instrument :

MSVOA_N

ClientSampled :

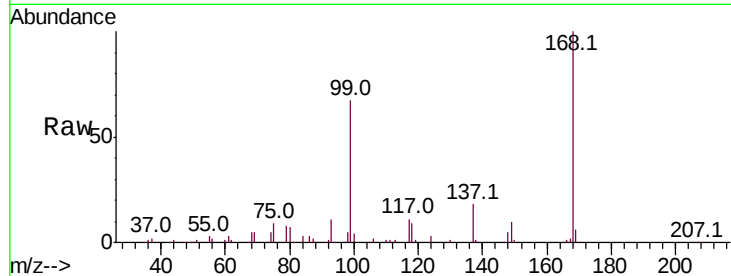
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Tot Ion:168 Resp: 211203

Ion Ratio Lower Upper

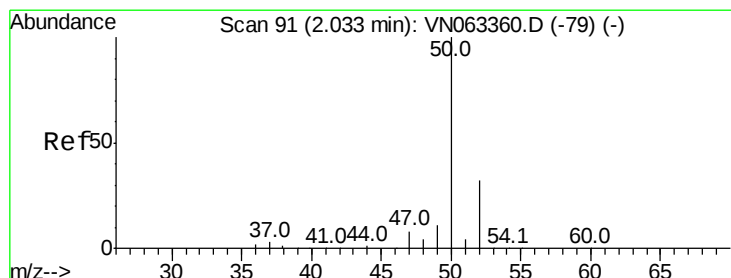
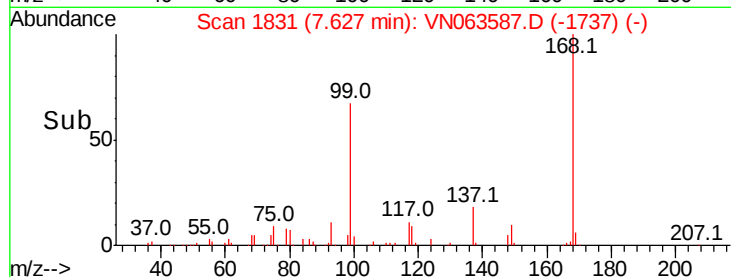
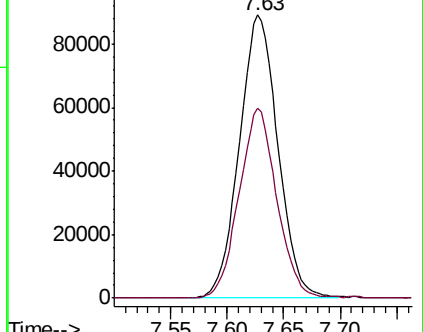
168 100

99 67.2 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.250 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063587.D

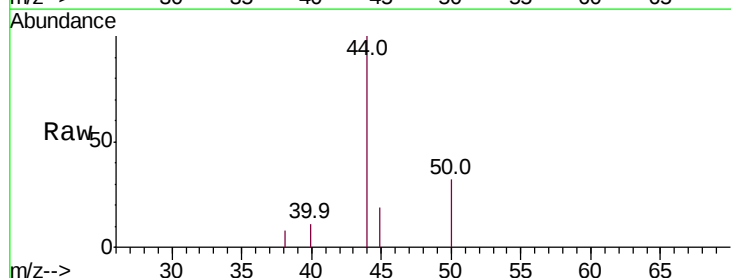
Acq: 23 Sep 2020 14:31

Tgt Ion: 50 Resp: 791

Ion Ratio Lower Upper

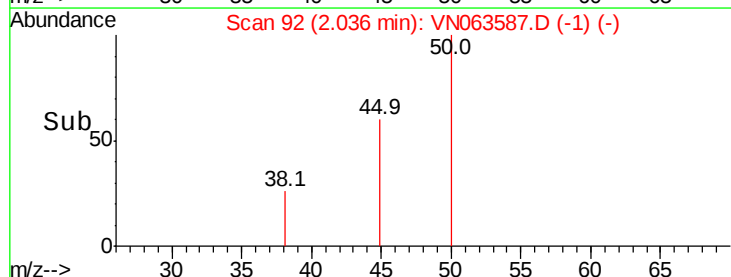
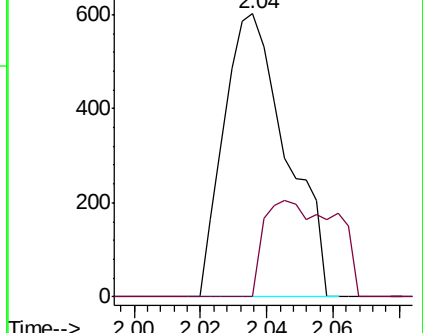
50 100

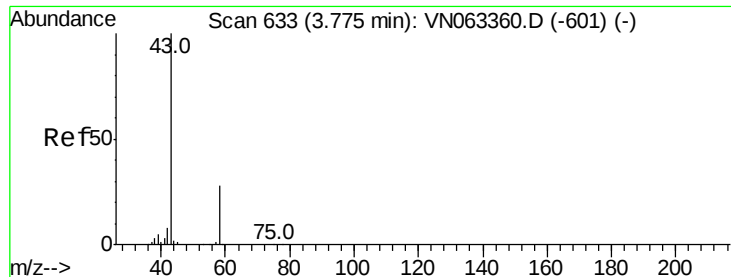
52 0.0 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#16

Acetone

Concen: 10.156 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063587.D

Acq: 23 Sep 2020 14:31

Instrument :

MSVOA_N

ClientSampled :

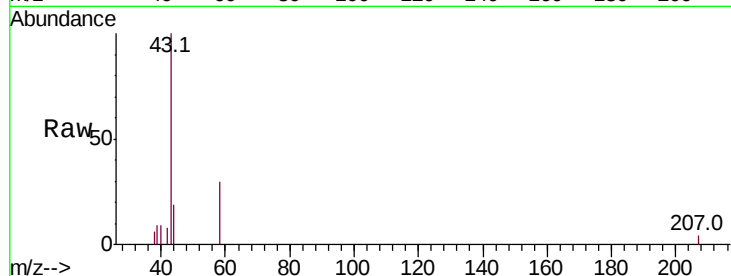
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Tot Ion: 43 Resp: 11735

Ion Ratio Lower Upper

43 100

58 29.6 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) (-)

3.78

4000

3000

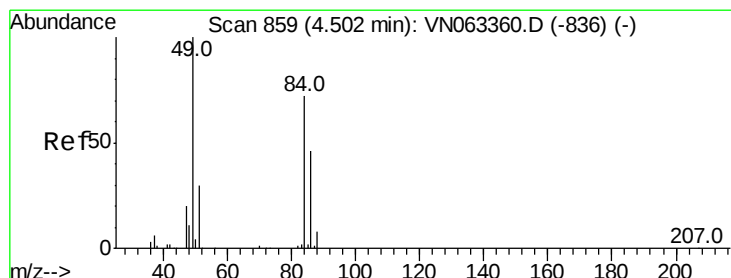
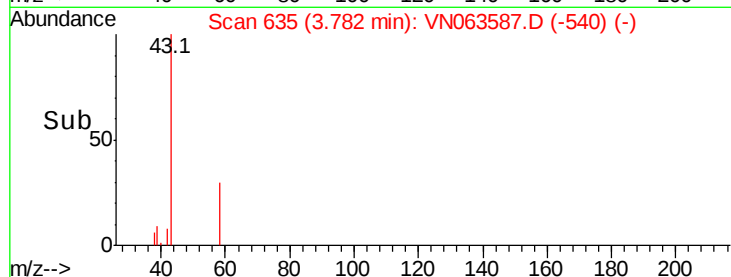
2000

1000

0

Time-->

3.70 3.75 3.80 3.85



#20

Methylene Chloride

Concen: 0.509 ug/l

RT: 4.50 min Scan# 858

Delta R.T. -0.00 min

Lab File: VN063587.D

Acq: 23 Sep 2020 14:31

Tgt Ion: 84 Resp: 1489

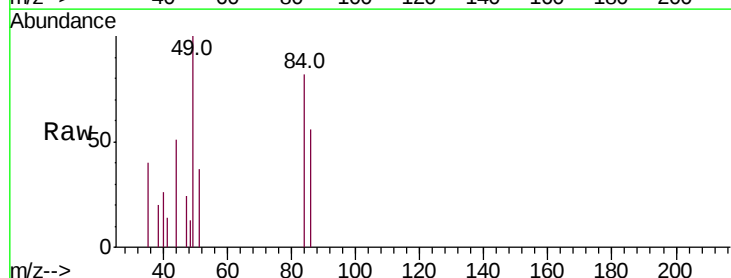
Ion Ratio Lower Upper

84 100

49 89.4 110.7 166.1#

51 45.0 32.9 49.3

86 67.8 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) (-)

1500

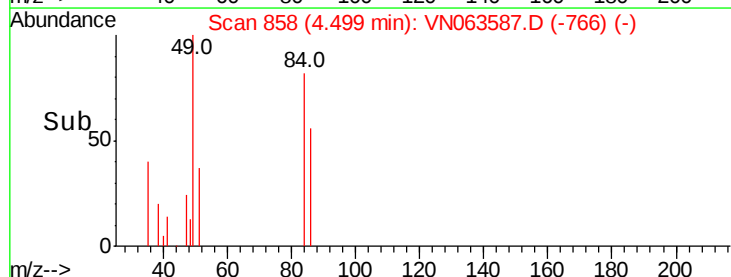
1000

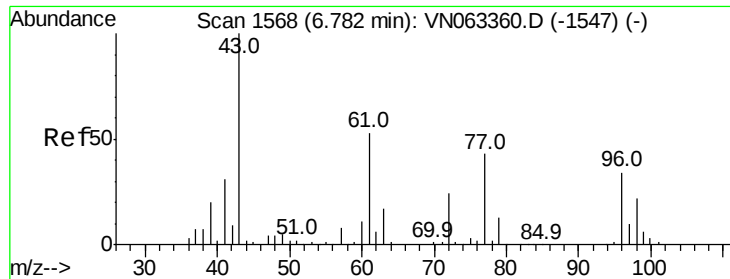
500

0

Time-->

4.46 4.48 4.50 4.52

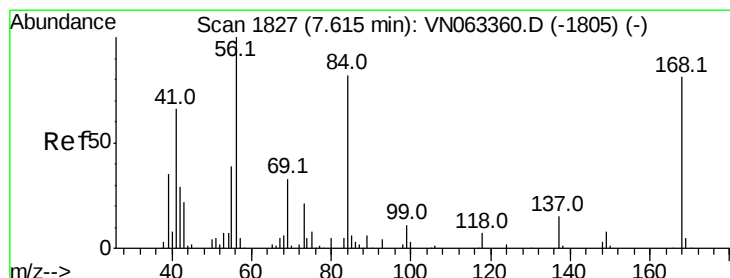
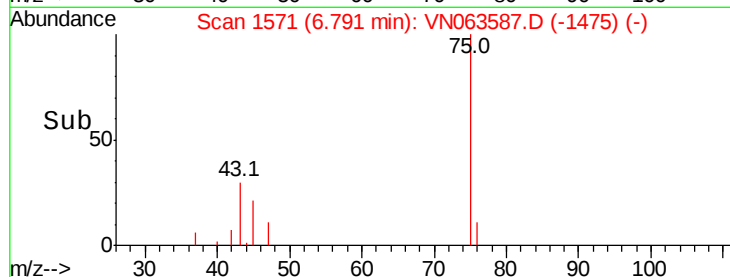
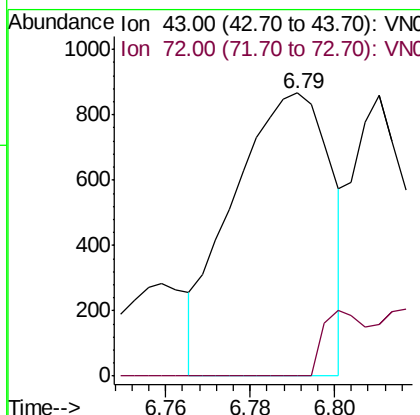
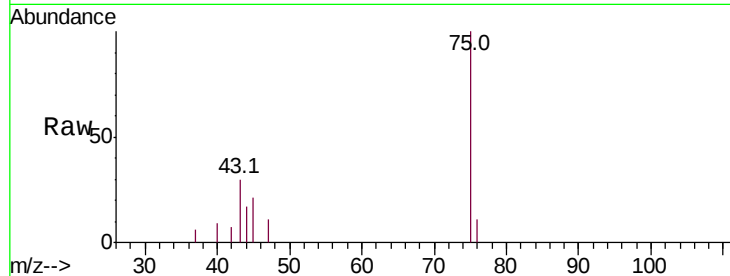




#25
2-Butanone
Concen: 0.784 ug/l
RT: 6.79 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN063587.D
Acq: 23 Sep 2020 14:31

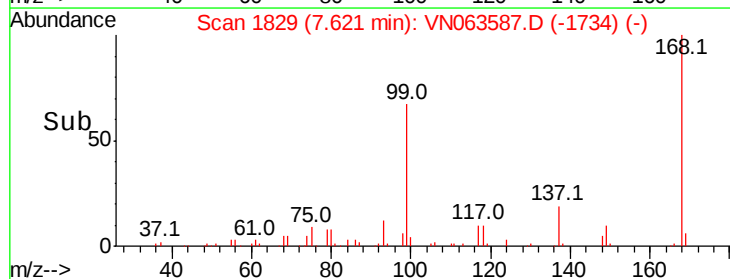
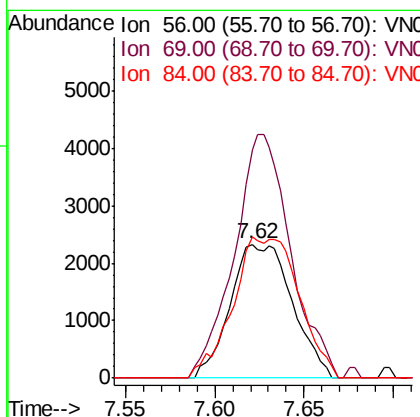
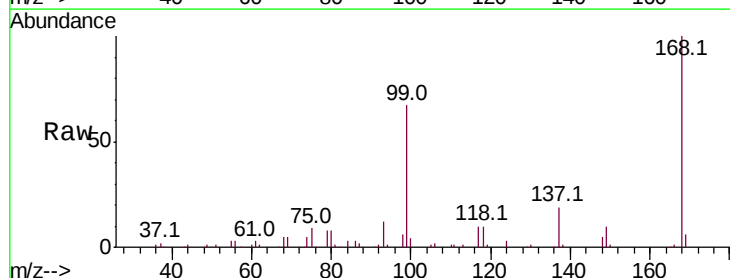
Instrument :
MSVOA_N
ClientSampleId :
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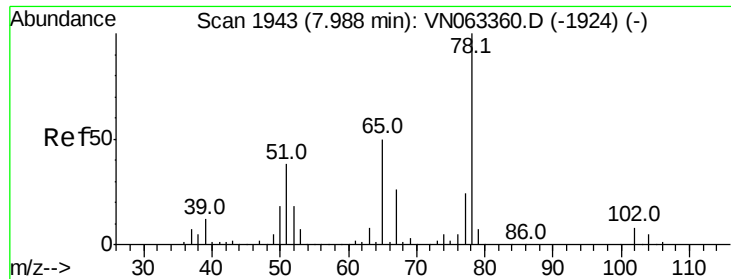
Tot Ion: 43 Resp: 1393
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#



#31
Cyclohexane
Concen: 1.135 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN063587.D
Acq: 23 Sep 2020 14:31

Tgt Ion: 56 Resp: 5634
Ion Ratio Lower Upper
56 100
69 170.3 26.1 39.1#
84 105.5 65.4 98.2#

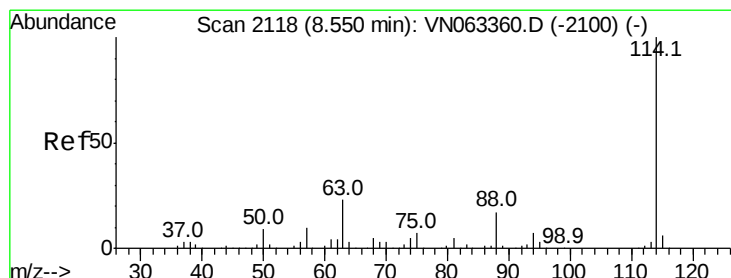
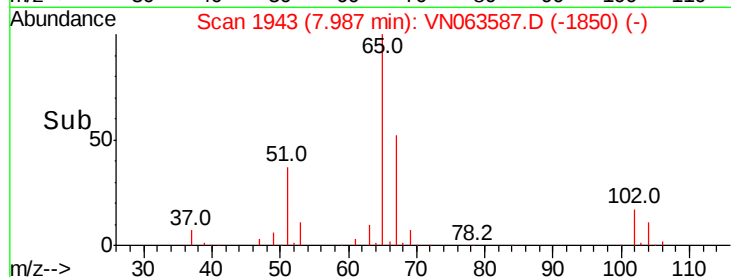
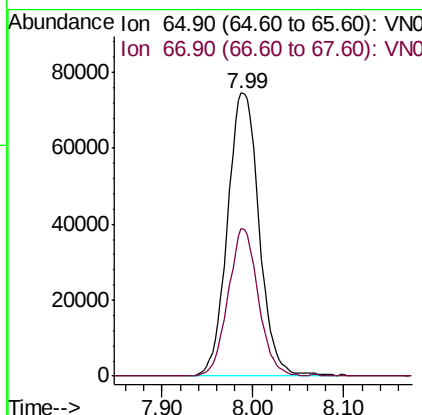
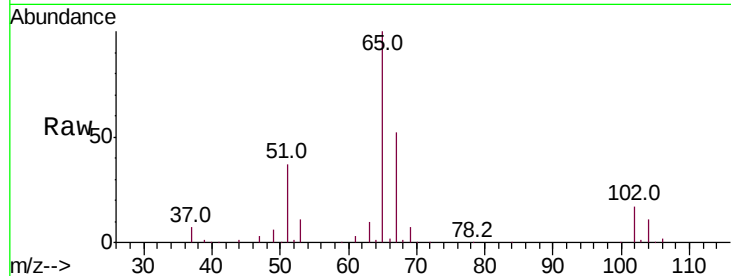




#33
 1,2-Dichloroethane-d4
 Concen: 50.077 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063587.D
 Acq: 23 Sep 2020 14:31

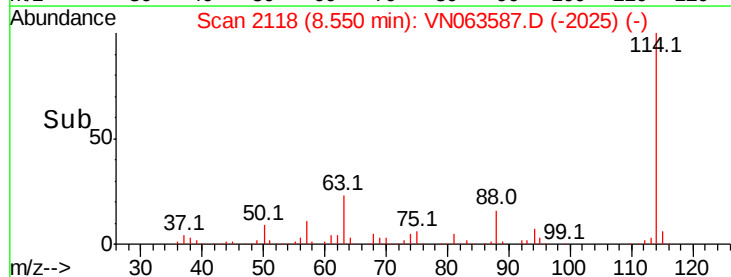
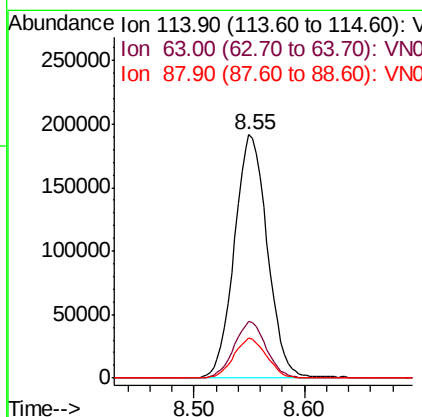
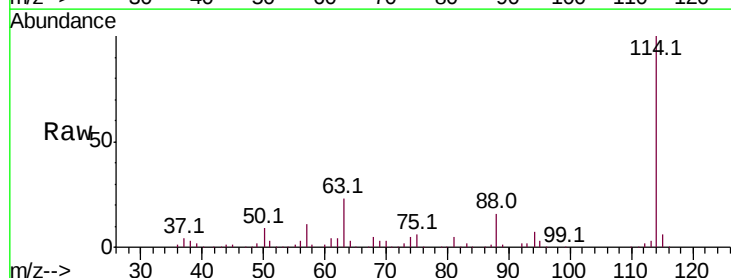
Instrument :
 MSVOA_N
 ClientSampleId :
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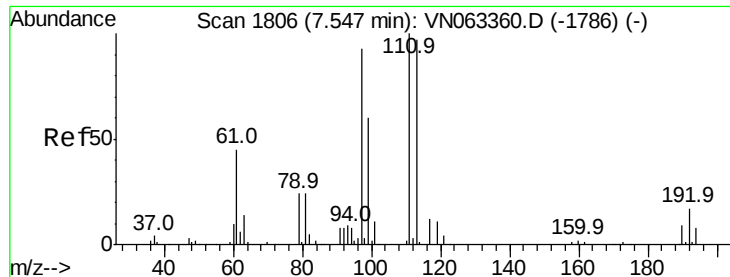
Tot Ion: 65 Resp: 180038
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063587.D
 Acq: 23 Sep 2020 14:31

Tgt Ion: 114 Resp: 397912
 Ion Ratio Lower Upper
 114 100
 63 23.1 0.0 46.4
 88 16.3 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.286 ug/l

RT: 7.55 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VN063587.D

Acq: 23 Sep 2020 14:31

Instrument :

MSVOA_N

ClientSampleId :

FIELD-BLANK

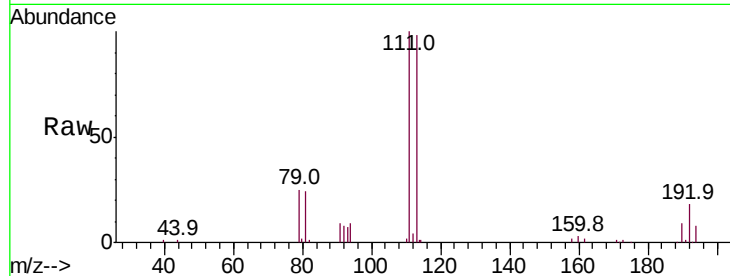
Tot Ion:113 Resp: 133013

Ion Ratio Lower Upper

113 100

111 101.5 82.9 124.3

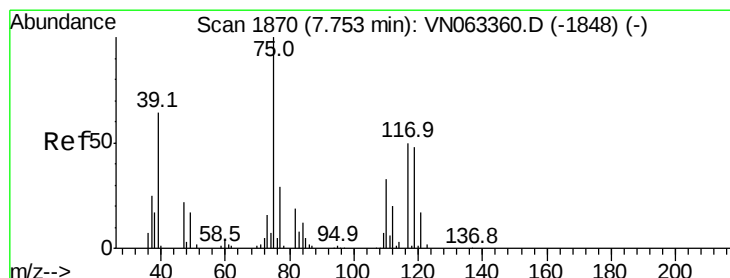
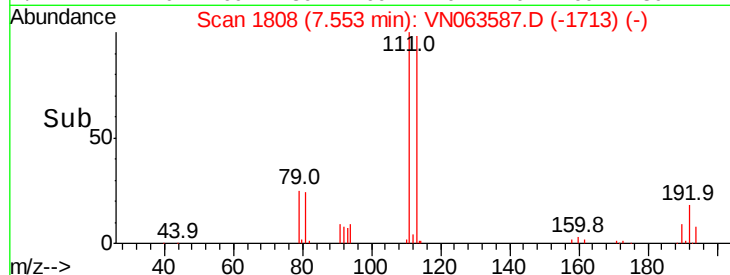
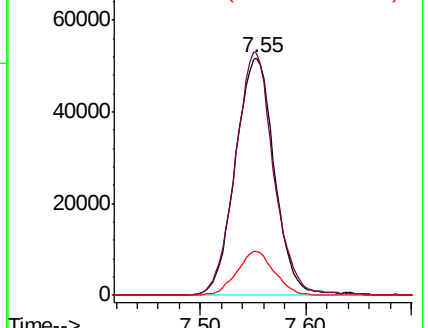
192 17.8 13.9 20.9



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: 4.539 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063587.D

Acq: 23 Sep 2020 14:31

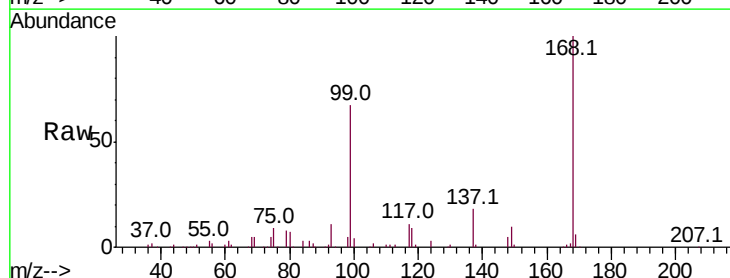
Tgt Ion: 75 Resp: 19242

Ion Ratio Lower Upper

75 100

110 8.3 16.5 49.5#

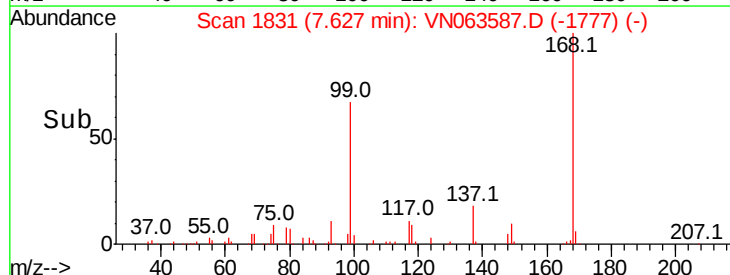
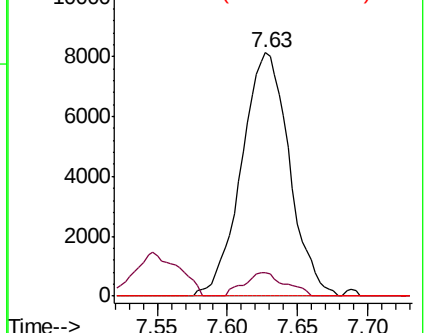
77 0.0 24.6 36.8#

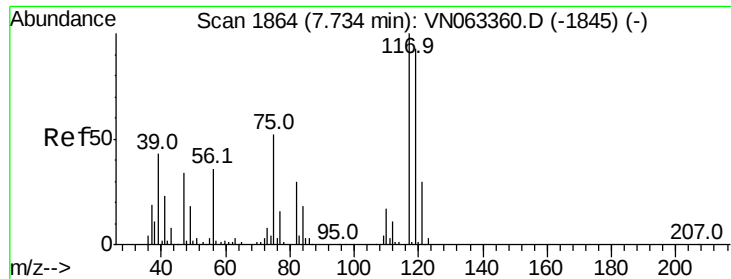


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

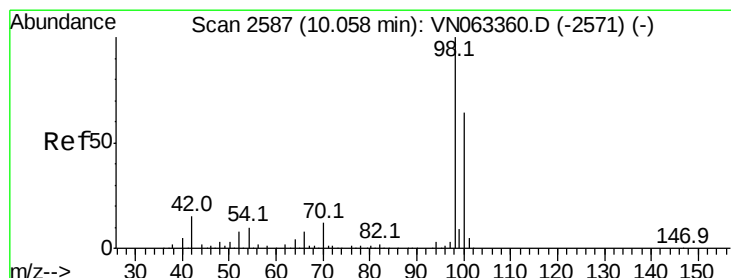
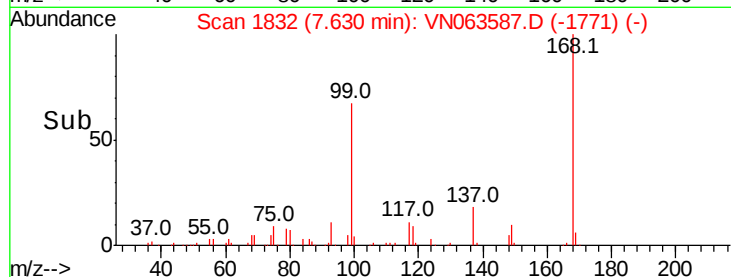
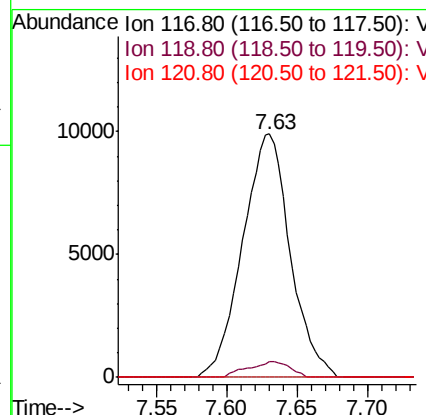
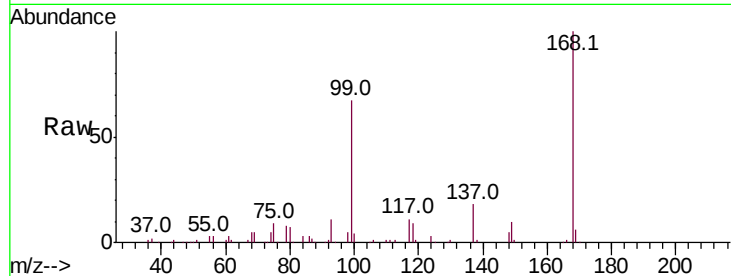




#38
Carbon Tetrachloride
Concen: 5.387 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. -0.10 min
Lab File: VN063587.D
Acq: 23 Sep 2020 14:31

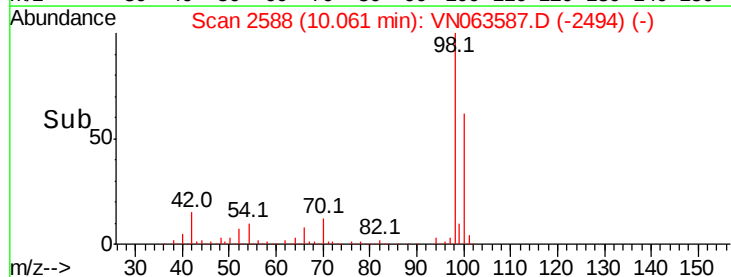
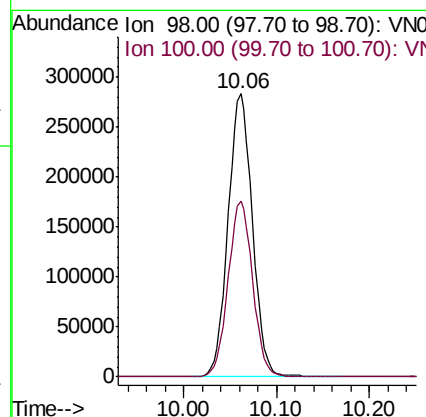
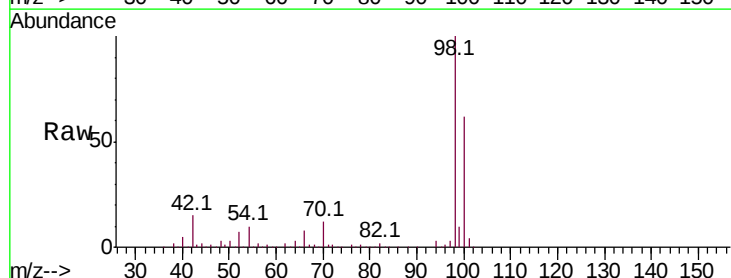
Instrument :
MSVOA_N
ClientSampled :
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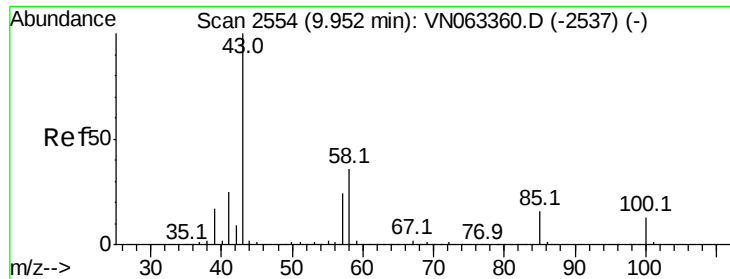
Tot Ion:117 Resp: 23312
Ion Ratio Lower Upper
117 100
119 6.7 74.5 111.7#
121 0.0 24.1 36.1#



#50
Toluene-d8
Concen: 49.754 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063587.D
Acq: 23 Sep 2020 14:31

Tgt Ion: 98 Resp: 515354
Ion Ratio Lower Upper
98 100
100 62.5 50.7 76.1





#51

4-Methyl-2-Pentanone

Concen: 0.861 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063587.D

Acq: 23 Sep 2020 14:31

Instrument :

MSVOA_N

ClientSampled :

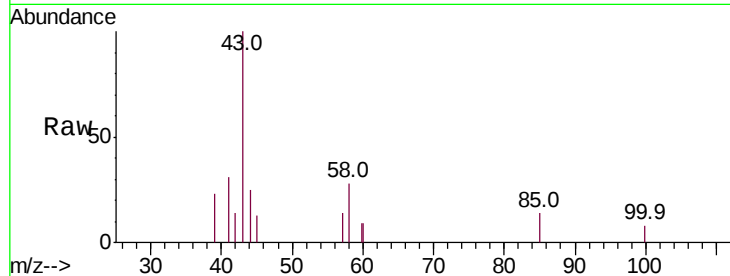
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Tot Ion: 43 Resp: 3588

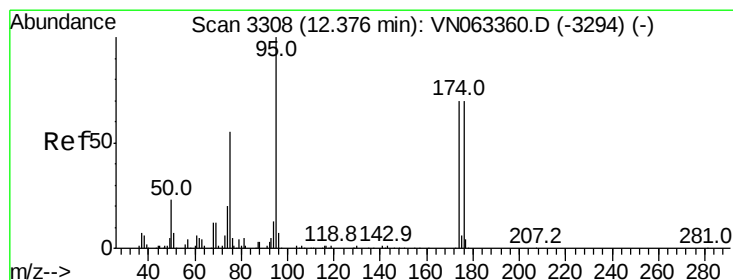
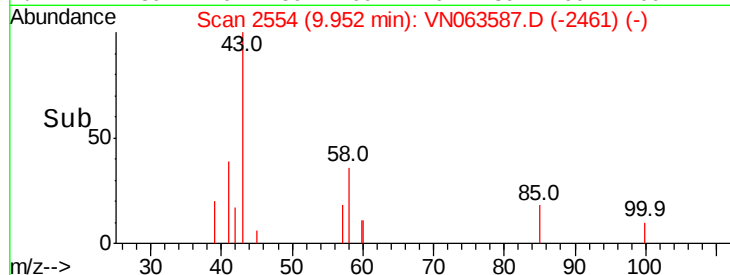
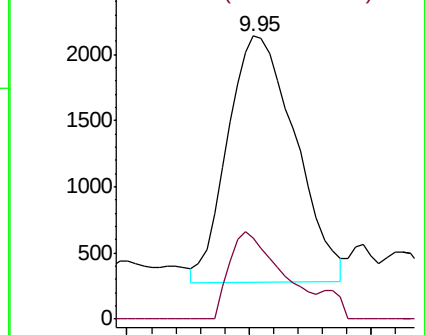
Ion Ratio Lower Upper

43 100

58 27.9 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-2537) (-)



#62

4-Bromofluorobenzene

Concen: 51.320 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063587.D

Acq: 23 Sep 2020 14:31

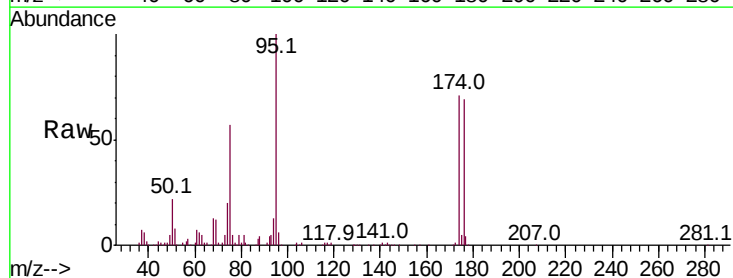
Tgt Ion: 95 Resp: 194866

Ion Ratio Lower Upper

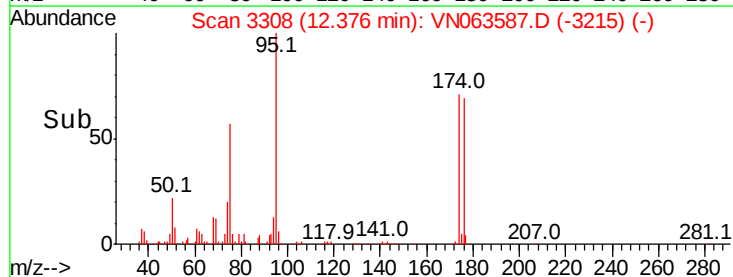
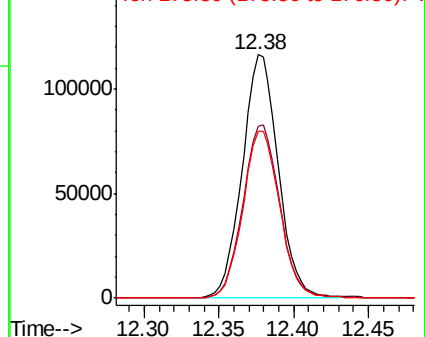
95 100

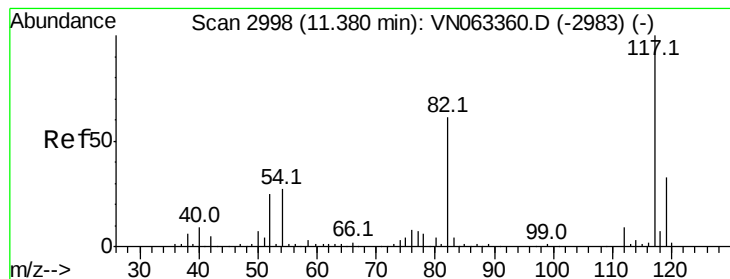
174 72.8 0.0 140.8

176 70.7 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063360.D (-3294) (-)





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063587.D

Acq: 23 Sep 2020 14:31

Instrument :

MSVOA_N

ClientSampled :

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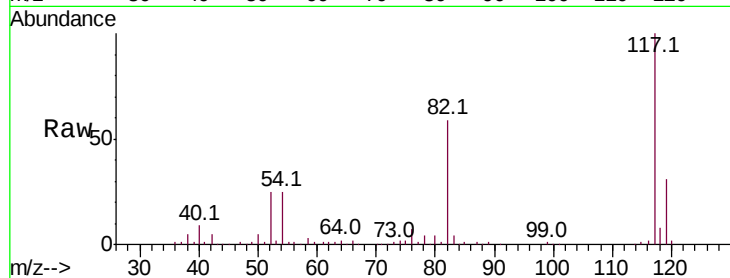
Tot Ion:117 Resp: 402683

Ion Ratio Lower Upper

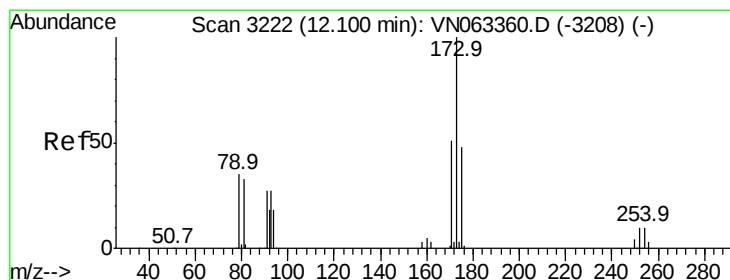
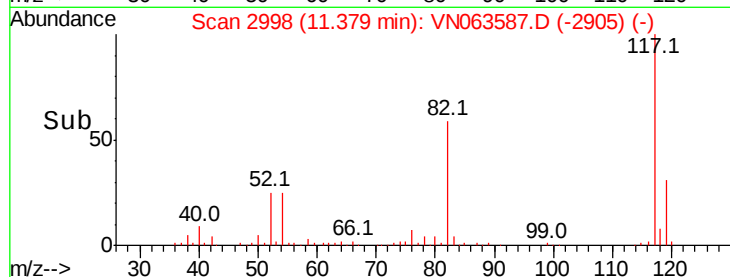
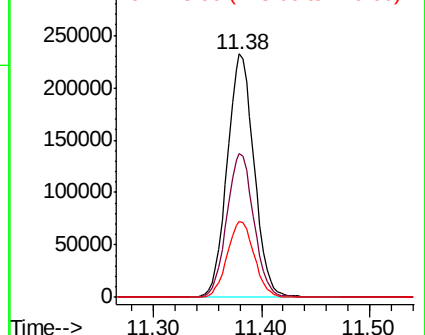
117 100

82 59.2 49.2 73.8

119 31.3 26.2 39.4



Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.310 ug/l

RT: 12.37 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN063587.D

Acq: 23 Sep 2020 14:31

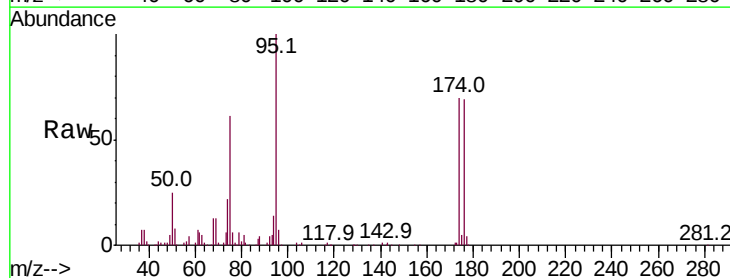
Tgt Ion:173 Resp: 723

Ion Ratio Lower Upper

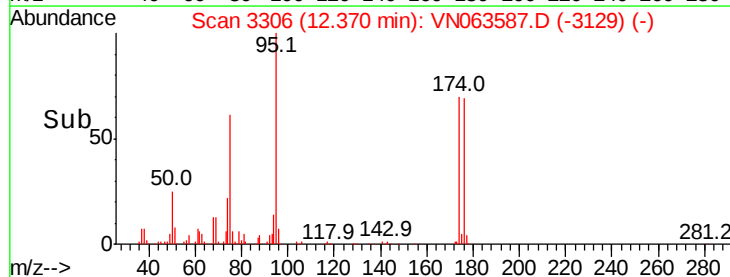
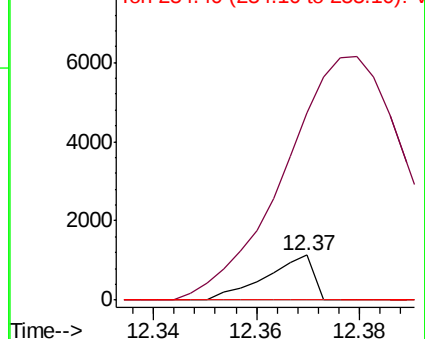
173 100

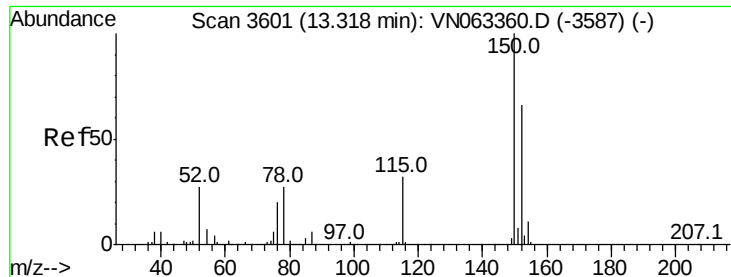
175 1160.9 24.0 72.0#

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): 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: VN063587.D

Acq: 23 Sep 2020 14:31

Instrument :

MSVOA_N

ClientSampled :

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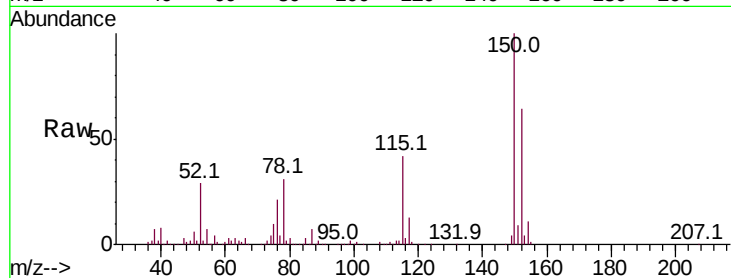
Tot Ion:152 Resp: 165614

Ion Ratio Lower Upper

152 100

115 63.7 32.2 96.6

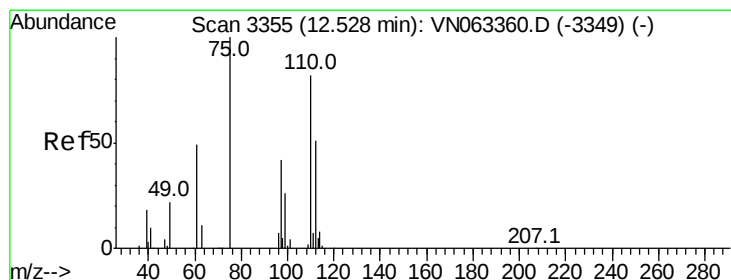
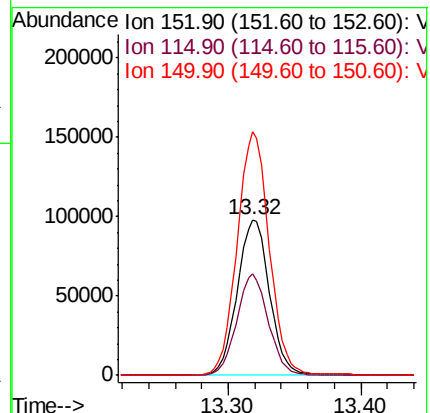
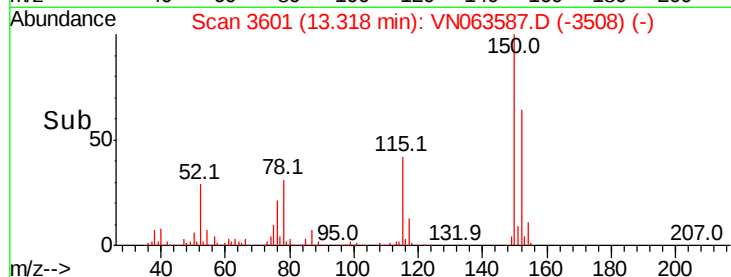
150 154.9 0.0 343.4



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: 27.493 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063587.D

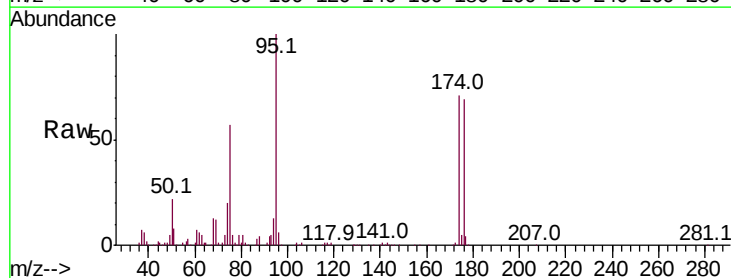
Acq: 23 Sep 2020 14:31

Tgt Ion: 75 Resp: 112699

Ion Ratio Lower Upper

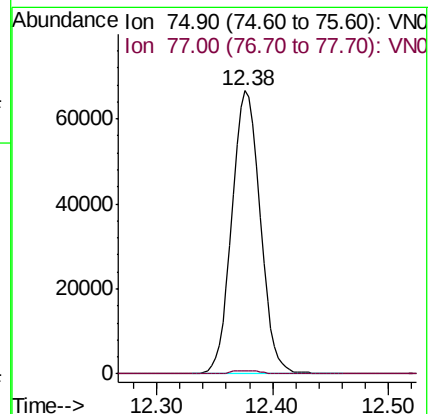
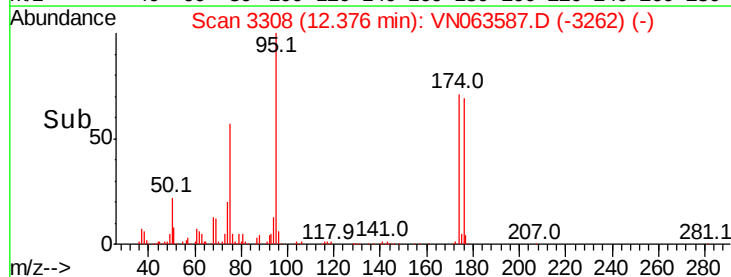
75 100

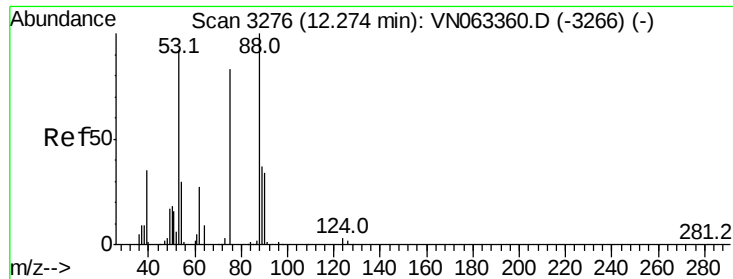
77 1.1 0.0 0.0#



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: 75.376 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063587.D

Acq: 23 Sep 2020 14:31

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 75 Resp: 112699

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

