

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063533.D
 Acq On : 22 Sep 2020 15:20
 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 23 04:01:26 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	228433	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	413270	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	417845	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	177881	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	185378	47.67	ug/l	0.00
Spiked Amount			Recovery	=	95.34%	
35) Dibromofluoromethane	7.55	113	136570	47.74	ug/l	0.00
Spiked Amount			Recovery	=	95.48%	
50) Toluene-d8	10.06	98	537672	49.98	ug/l	0.00
Spiked Amount			Recovery	=	99.96%	
62) 4-Bromofluorobenzene	12.38	95	208525	52.88	ug/l	0.00
Spiked Amount			Recovery	=	105.76%	

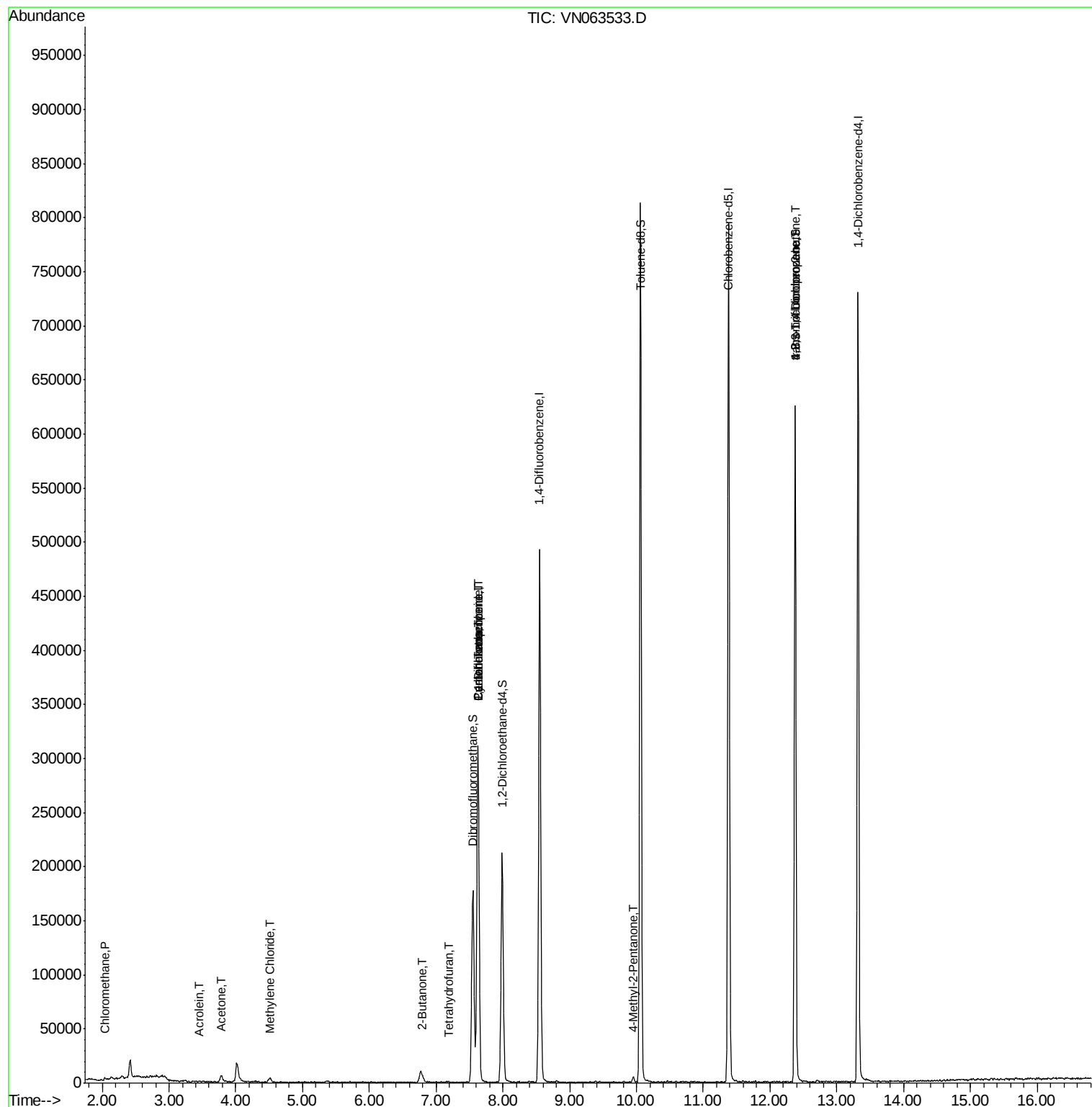
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	1087	0.318	ug/l	95
13) Acrolein	3.45	56	60	0.301	ug/l #	13
16) Acetone	3.78	43	10603	8.484	ug/l	100
20) Methylene Chloride	4.51	84	2673	0.844	ug/l #	86
25) 2-Butanone	6.80	43	541	0.281	ug/l #	61
29) Tetrahydrofuran	7.18	42	549	0.418	ug/l #	36
31) Cyclohexane	7.63	56	6221	1.158	ug/l #	46
36) 1,1-Dichloropropene	7.62	75	21302	4.838	ug/l #	45
38) Carbon Tetrachloride	7.63	117	24932	5.547	ug/l #	16
51) 4-Methyl-2-Pentanone	9.95	43	4466	1.032	ug/l	99
76) 1,2,3-Trichloropropane	12.38	75	119174	27.068	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	119174	74.210	ug/l #	7

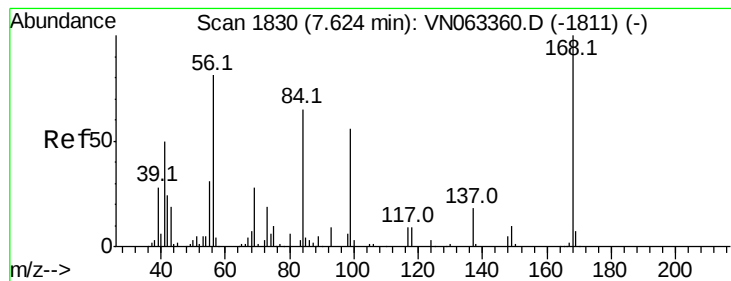
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 23 04:01:26 2020
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Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063533.D

Acq: 22 Sep 2020 15:20

Instrument :

MSVOA_N

ClientSampled :

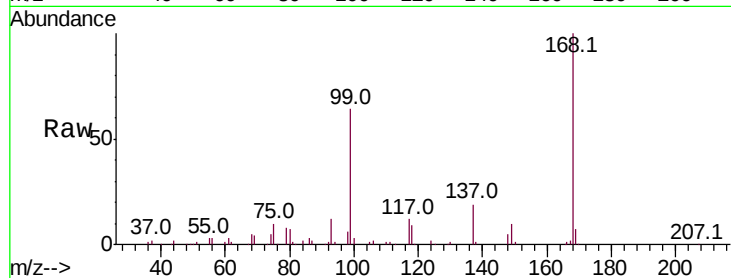
FIELD-BLANK

Tot Ion:168 Resp: 228433

Ion Ratio Lower Upper

168 100

99 63.9 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

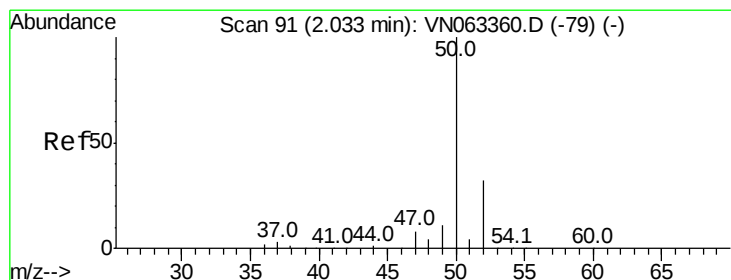
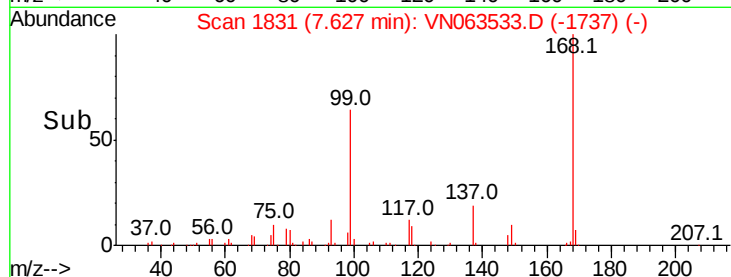
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.318 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063533.D

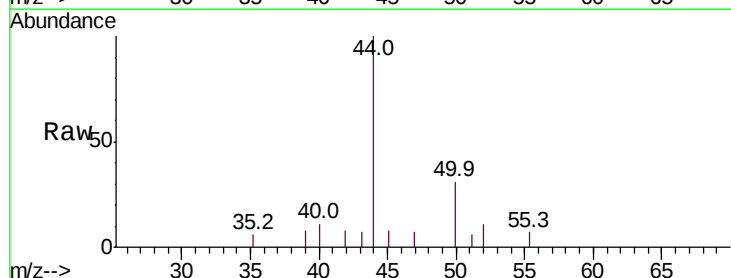
Acq: 22 Sep 2020 15:20

Tgt Ion: 50 Resp: 1087

Ion Ratio Lower Upper

50 100

52 35.0 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

800

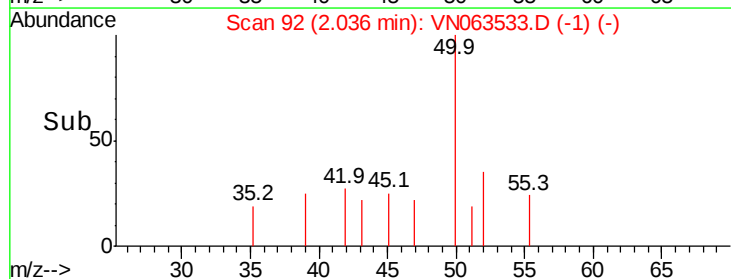
600

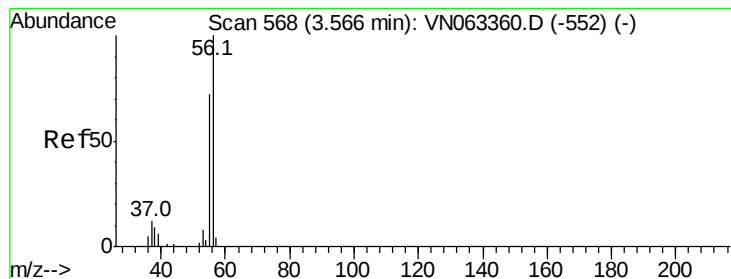
400

200

0

Time--> 2.00 2.02 2.04 2.06





#13

Acrolein

Concen: 0.301 ug/l

RT: 3.45 min Scan# 532

Delta R.T. -0.12 min

Lab File: VN063533.D

Acq: 22 Sep 2020 15:20

Instrument :

MSVOA_N

ClientSampled :

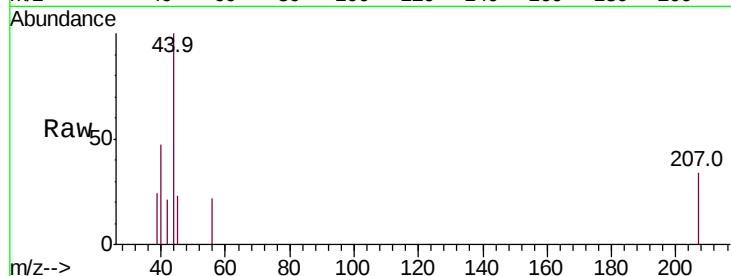
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Tot Ion: 56 Resp: 60

Ion Ratio Lower Upper

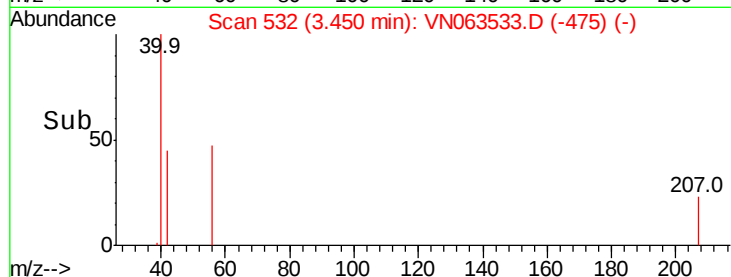
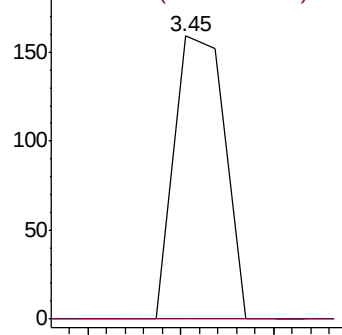
56 100

55 0.0 58.2 87.2#

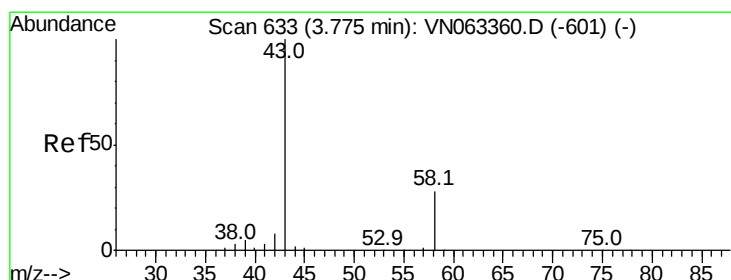


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time-->



#16

Acetone

Concen: 8.484 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063533.D

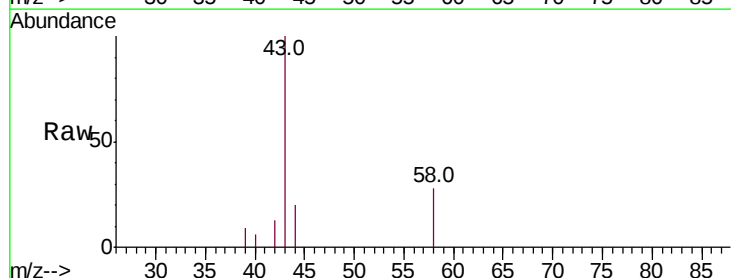
Acq: 22 Sep 2020 15:20

Tgt Ion: 43 Resp: 10603

Ion Ratio Lower Upper

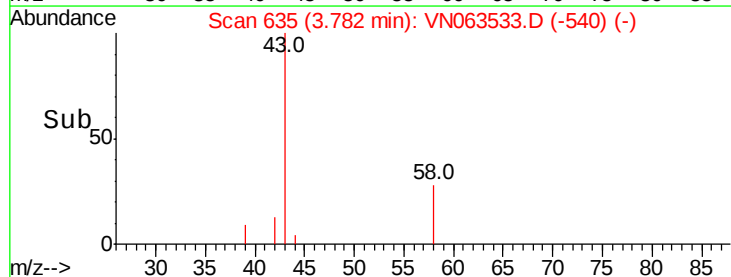
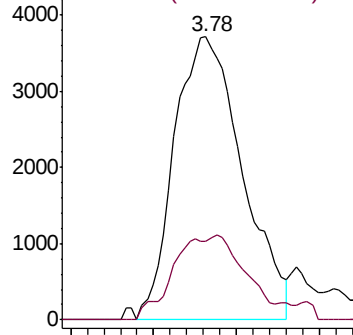
43 100

58 27.7 22.3 33.5

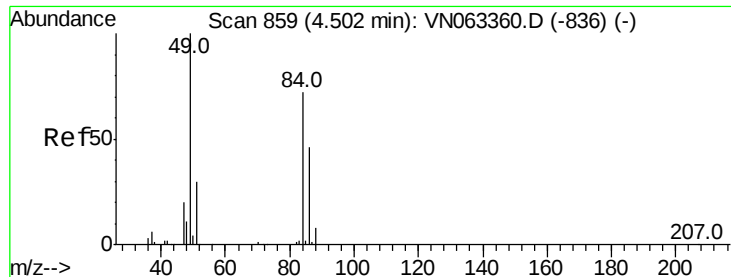


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



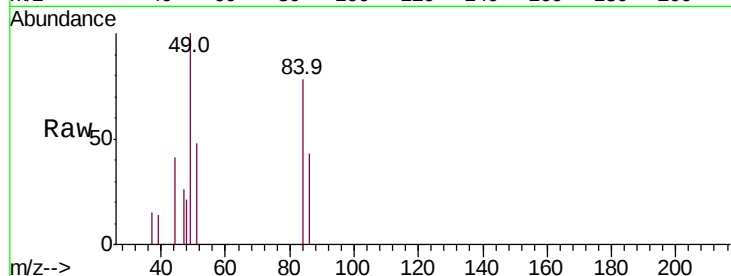
Time-->



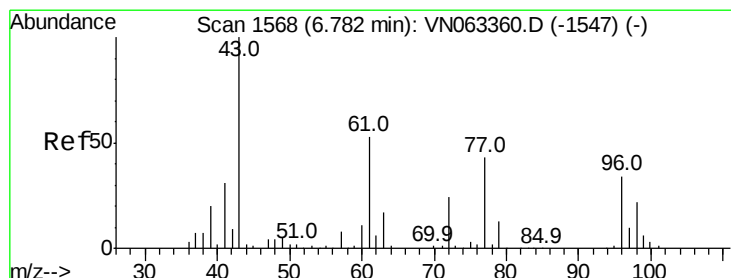
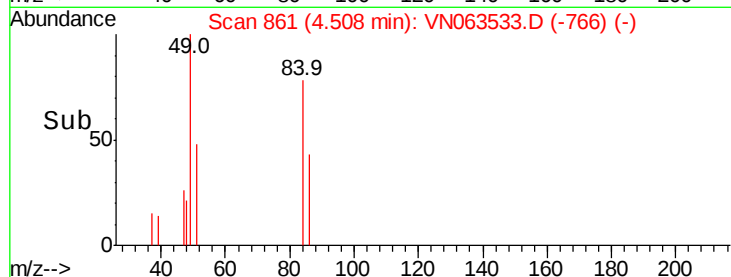
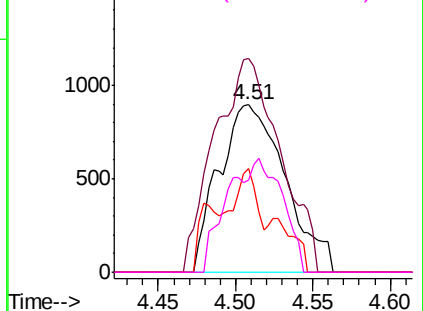
#20
Methvlene Chloride
Concen: 0.844 ug/l
RT: 4.51 min Scan# 861
Delta R.T. 0.01 min
Lab File: VN063533.D
Acq: 22 Sep 2020 15:20

Instrument :
MSVOA_N
ClientSampled :
FIELD-BLANK

Tot Ion: 84 Resp: 2673
Ion Ratio Lower Upper
84 100
49 127.6 110.7 166.1
51 61.7 32.9 49.3#
86 55.1 51.1 76.7

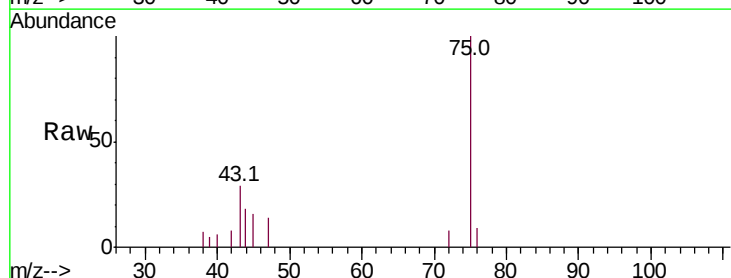


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

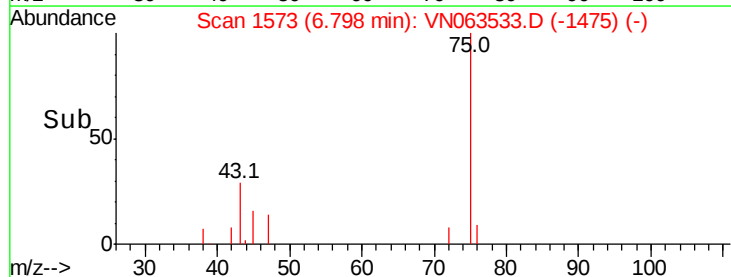
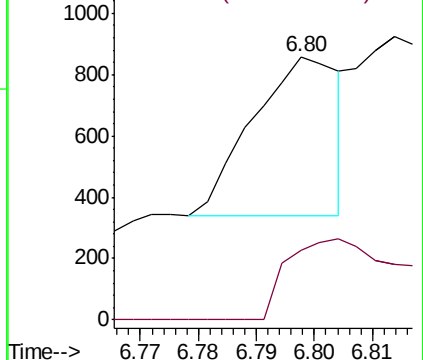


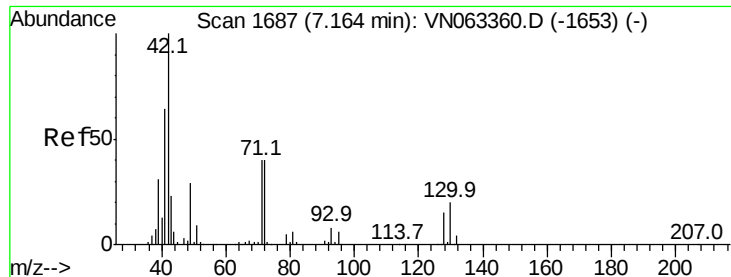
#25
2-Butanone
Concen: 0.281 ug/l
RT: 6.80 min Scan# 1573
Delta R.T. 0.02 min
Lab File: VN063533.D
Acq: 22 Sep 2020 15:20

Tgt Ion: 43 Resp: 541
Ion Ratio Lower Upper
43 100
72 43.3 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 72.00 (71.70 to 72.70): VNO





#29

Tetrahydrofuran

Concen: 0.418 ug/l

RT: 7.18 min Scan# 1693

Delta R.T. 0.02 min

Lab File: VN063533.D

Acq: 22 Sep 2020 15:20

Instrument :

MSVOA_N

ClientSampled :

FIELD-BLANK

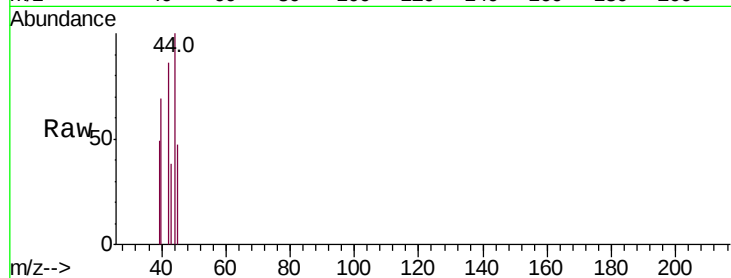
Tot Ion: 42 Resp: 549

Ion Ratio Lower Upper

42 100

72 0.0 32.1 48.1#

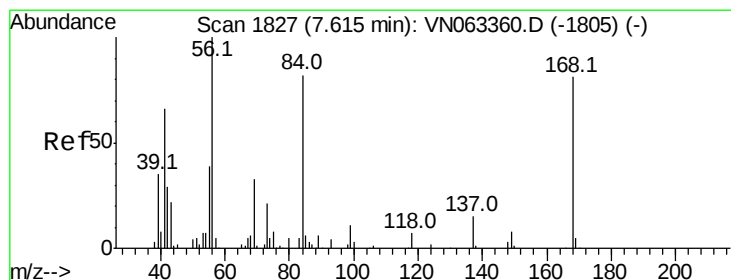
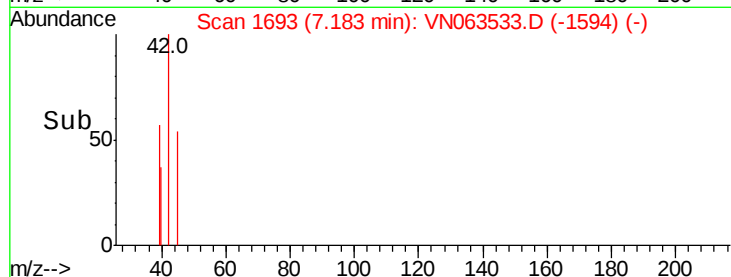
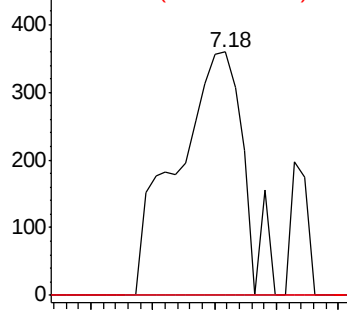
71 0.0 31.2 46.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#31

Cyclohexane

Concen: 1.158 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. 0.02 min

Lab File: VN063533.D

Acq: 22 Sep 2020 15:20

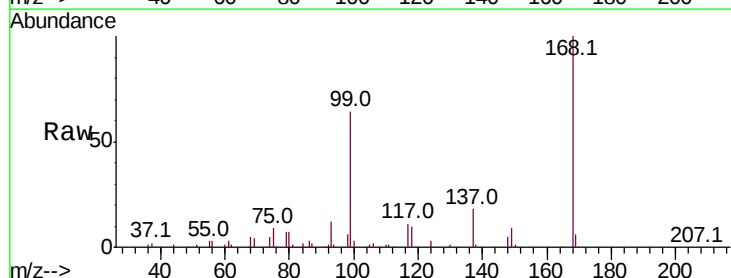
Tgt Ion: 56 Resp: 6221

Ion Ratio Lower Upper

56 100

69 135.5 26.1 39.1#

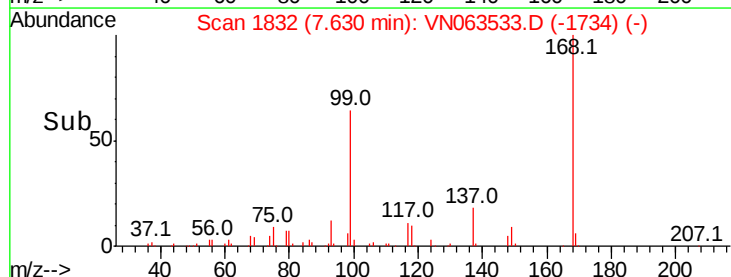
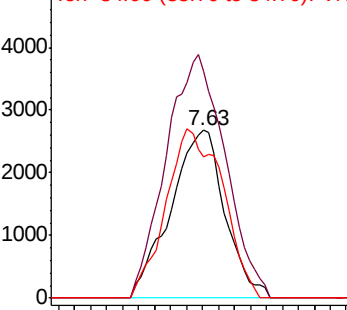
84 84.3 65.4 98.2

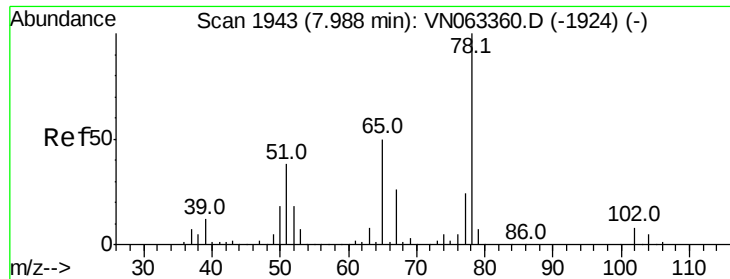


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 47.673 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN063533.D

Acq: 22 Sep 2020 15:20

Instrument :

MSVOA_N

ClientSampleId :

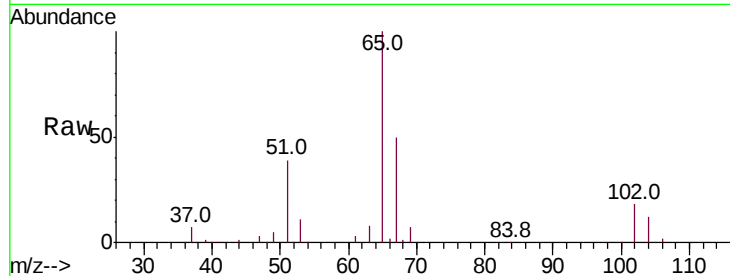
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Tot Ion: 65 Resp: 185378

Ion Ratio Lower Upper

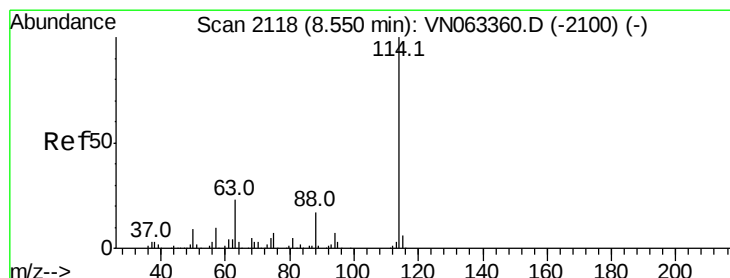
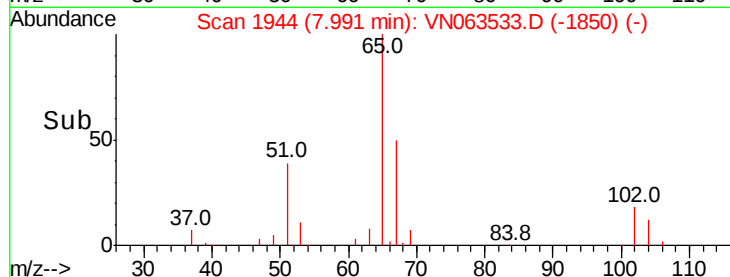
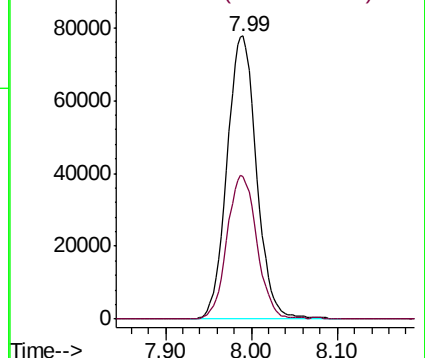
65 100

67 51.3 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: VN063533.D

Acq: 22 Sep 2020 15:20

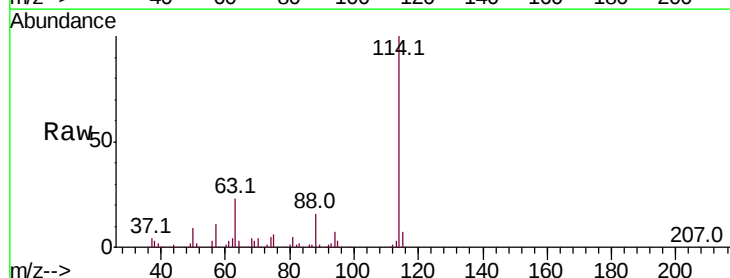
Tgt Ion:114 Resp: 413270

Ion Ratio Lower Upper

114 100

63 22.8 0.0 46.4

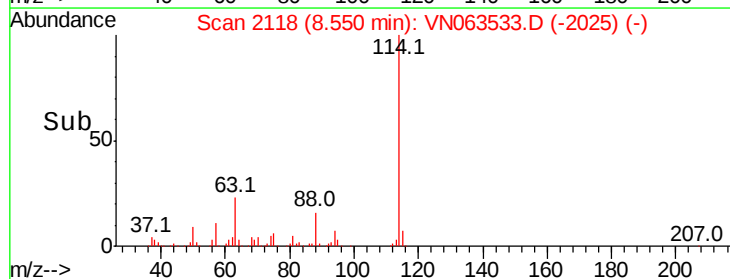
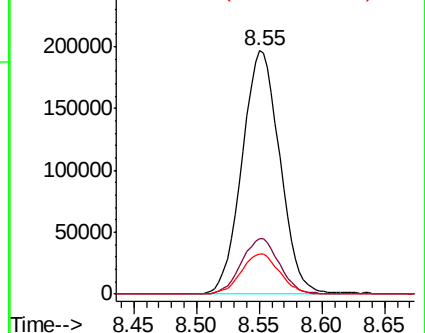
88 16.5 0.0 33.2

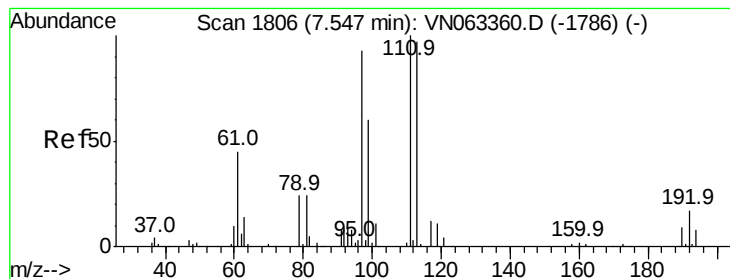


Abundance Ion 113.90 (113.60 to 114.60): VN063360.D (-2100) (-)

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: 47.735 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063533.D

Acq: 22 Sep 2020 15:20

Instrument :

MSVOA_N

ClientSampleId :

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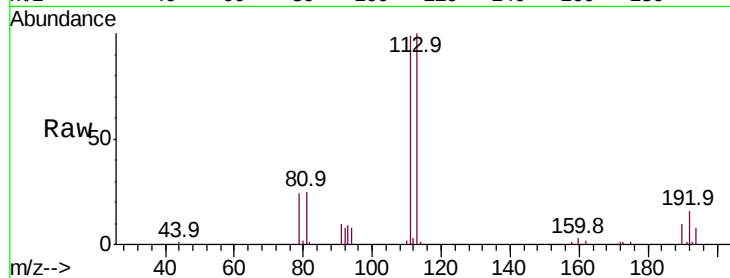
Tot Ion:113 Resp: 136570

Ion Ratio Lower Upper

113 100

111 100.8 82.9 124.3

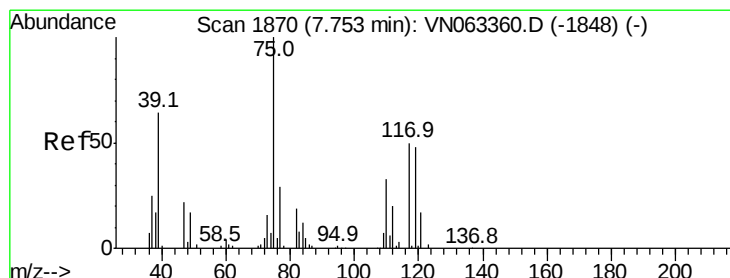
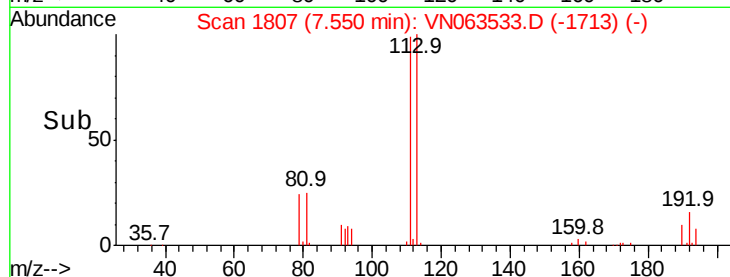
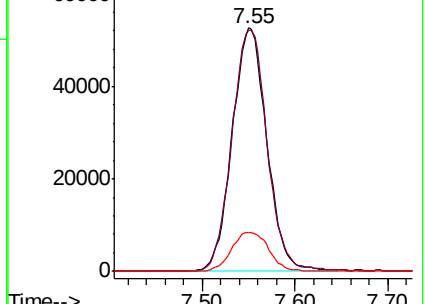
192 16.9 13.9 20.9



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: 4.838 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063533.D

Acq: 22 Sep 2020 15:20

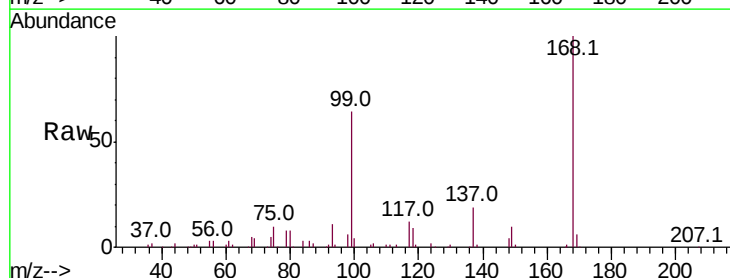
Tgt Ion: 75 Resp: 21302

Ion Ratio Lower Upper

75 100

110 2.4 16.5 49.5#

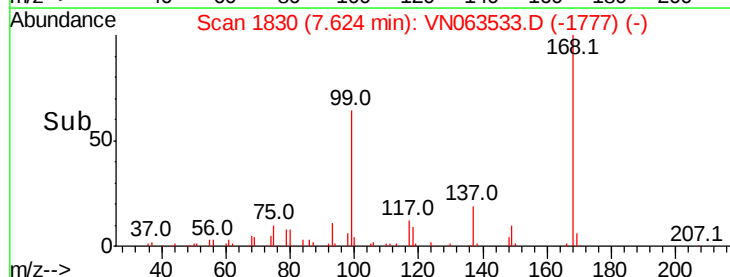
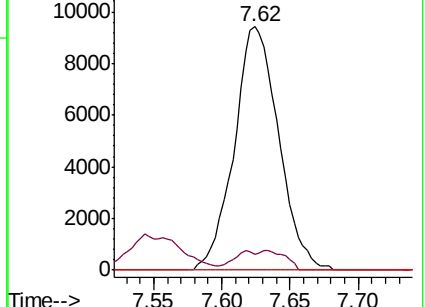
77 0.0 24.6 36.8#

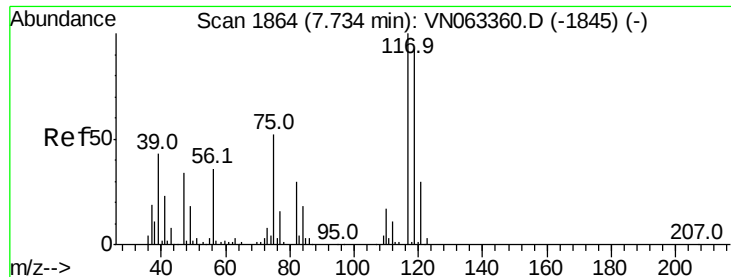


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0





#38

Carbon Tetrachloride

Concen: 5.547 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063533.D

Acq: 22 Sep 2020 15:20

Instrument :

MSVOA_N

ClientSampled :

FIELD-BLANK

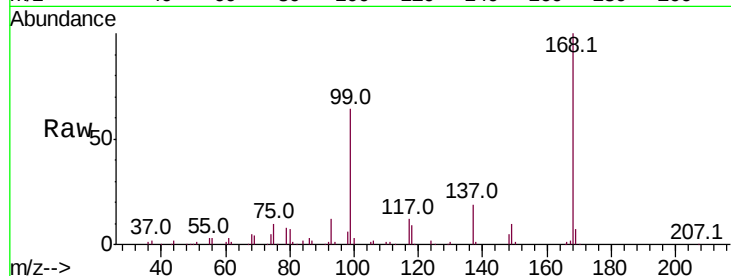
Tot Ion:117 Resp: 24932

Ion Ratio Lower Upper

117 100

119 3.8 74.5 111.7#

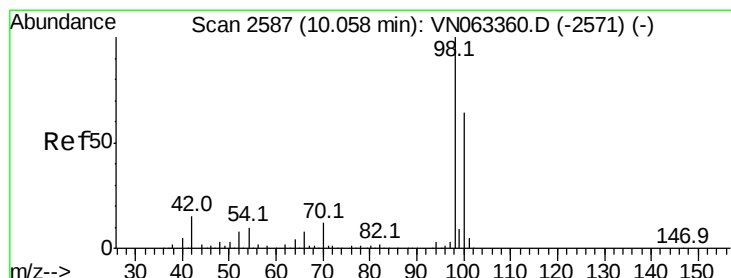
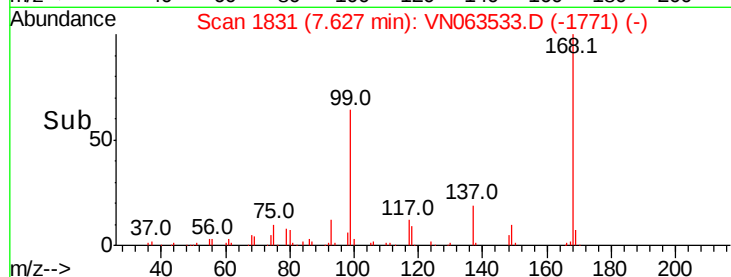
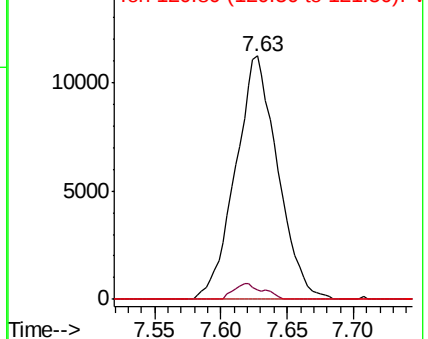
121 0.0 24.1 36.1#



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



#50

Toluene-d8

Concen: 49.980 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063533.D

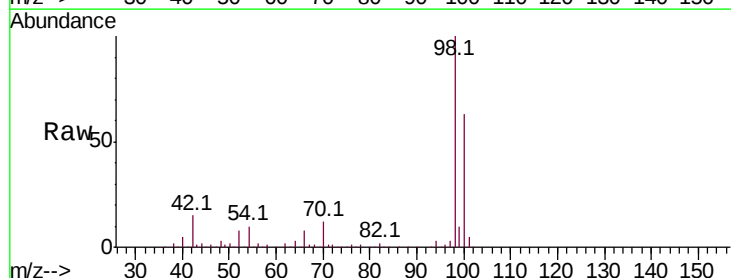
Acq: 22 Sep 2020 15:20

Tgt Ion: 98 Resp: 537672

Ion Ratio Lower Upper

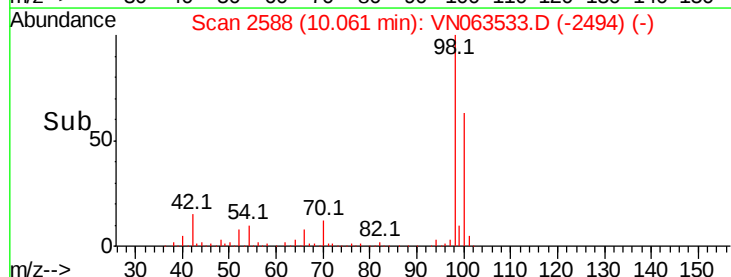
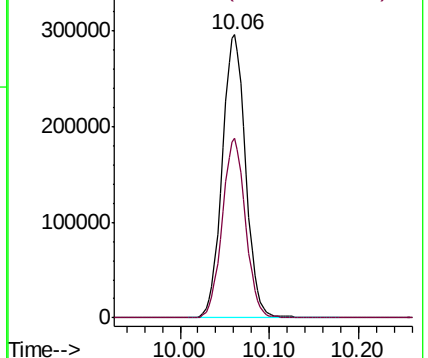
98 100

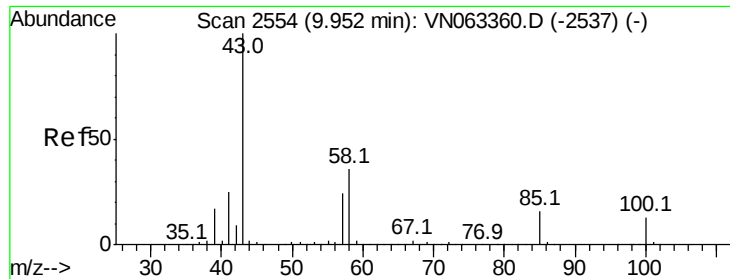
100 63.0 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 1.032 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063533.D

Acq: 22 Sep 2020 15:20

Instrument :

MSVOA_N

ClientSampled :

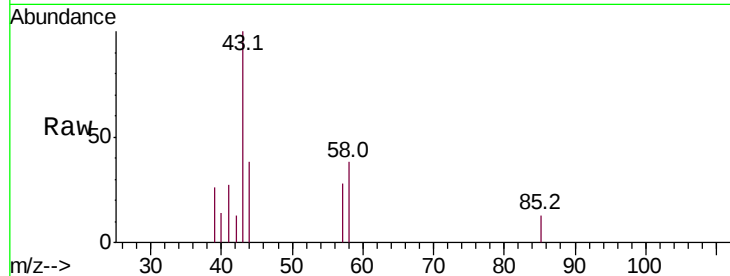
FIELD-BLANK

Tot Ion: 43 Resp: 4466

Ion Ratio Lower Upper

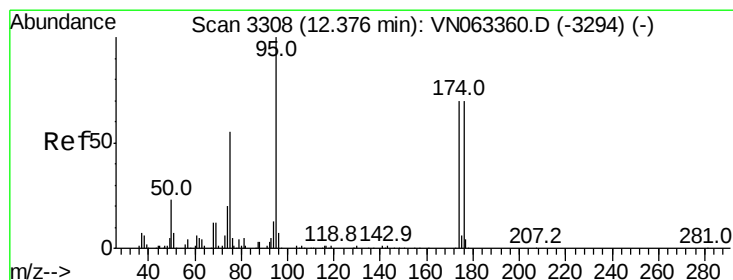
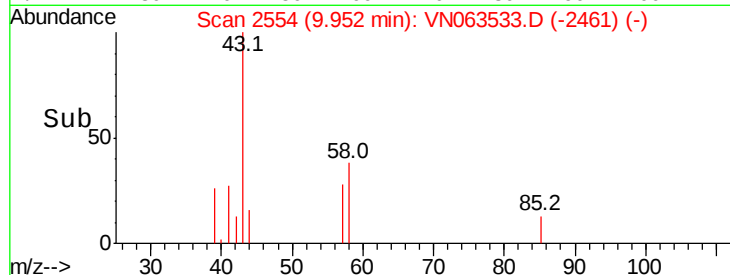
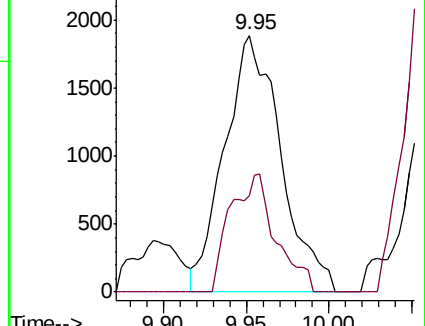
43 100

58 36.7 29.0 43.6



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

Ion 58.00 (57.70 to 58.70): VN063360.D (-2537) (-)



#62

4-Bromofluorobenzene

Concen: 52.877 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063533.D

Acq: 22 Sep 2020 15:20

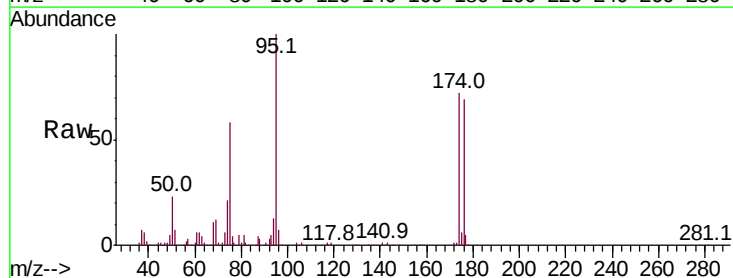
Tgt Ion: 95 Resp: 208525

Ion Ratio Lower Upper

95 100

174 72.9 0.0 140.8

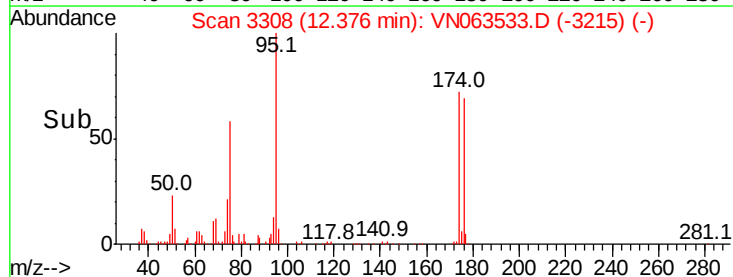
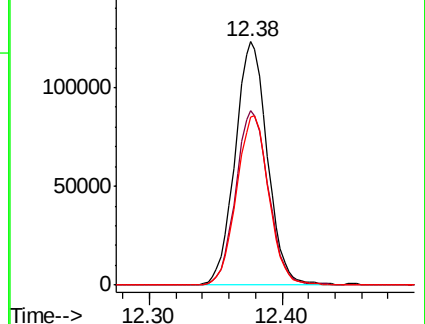
176 69.7 0.0 137.6

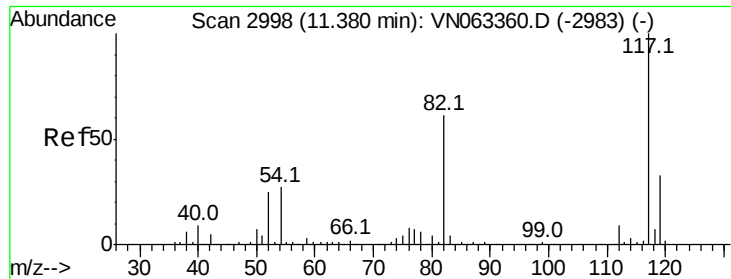


Abundance Ion 94.90 (94.60 to 95.60): VN063360.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063360.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063360.D (-3294) (-)

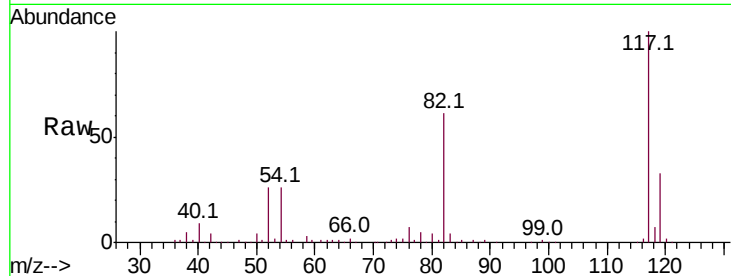




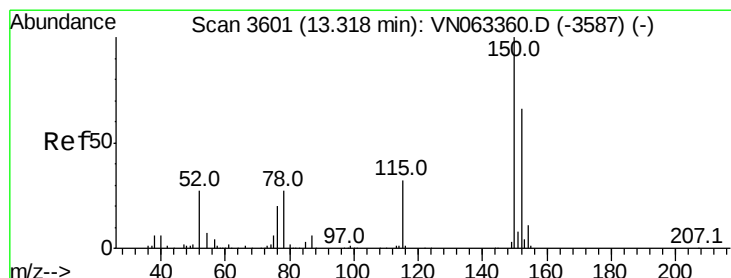
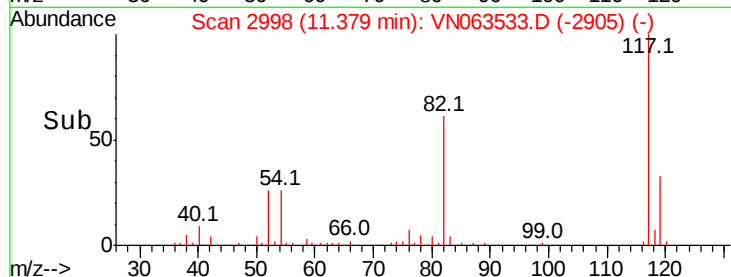
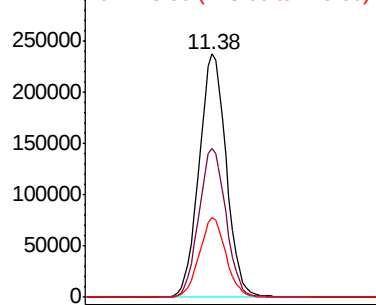
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063533.D
Acq: 22 Sep 2020 15:20

Instrument :
MSVOA_N
ClientSampled :
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Tot Ion:117 Resp: 417845
Ion Ratio Lower Upper
117 100
82 61.1 49.2 73.8
119 32.5 26.2 39.4

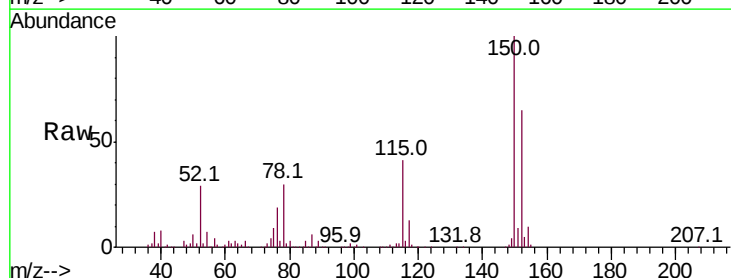


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

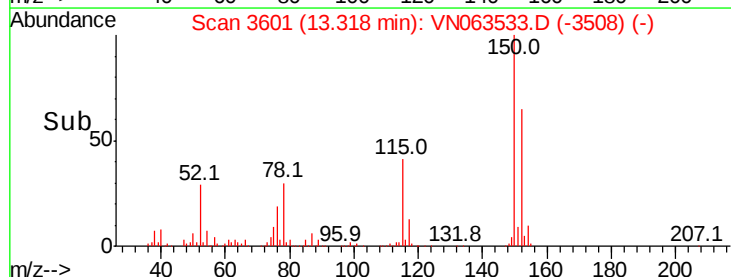
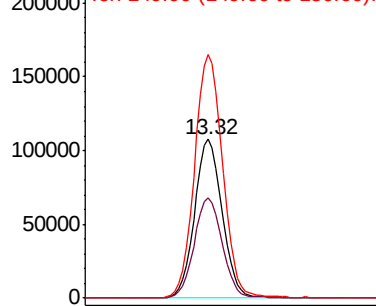


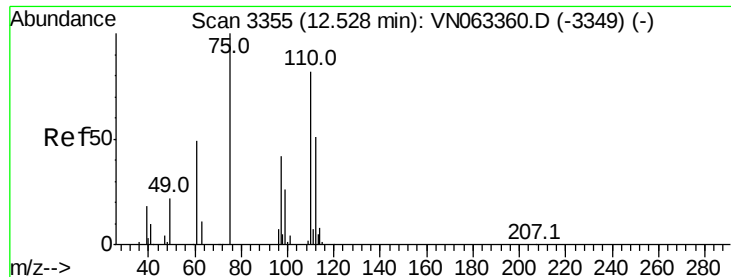
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063533.D
Acq: 22 Sep 2020 15:20

Tgt Ion:152 Resp: 177881
Ion Ratio Lower Upper
152 100
115 64.3 32.2 96.6
150 155.7 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: 27.068 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063533.D

Acq: 22 Sep 2020 15:20

Instrument :

MSVOA_N

ClientSampleId :

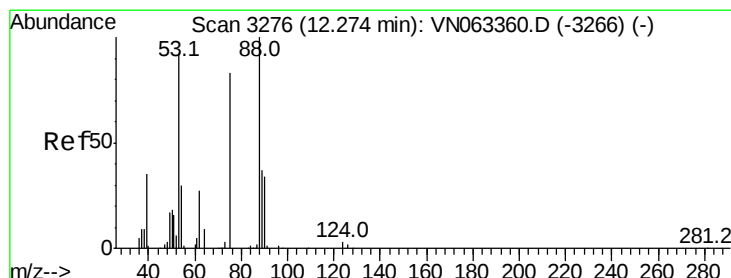
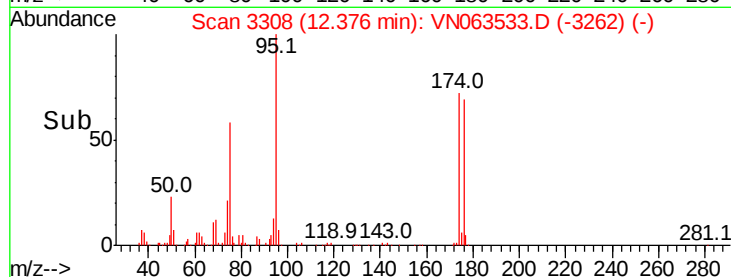
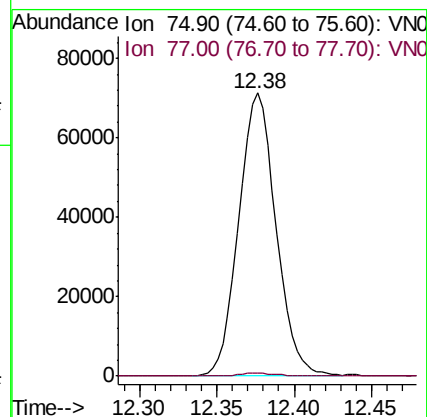
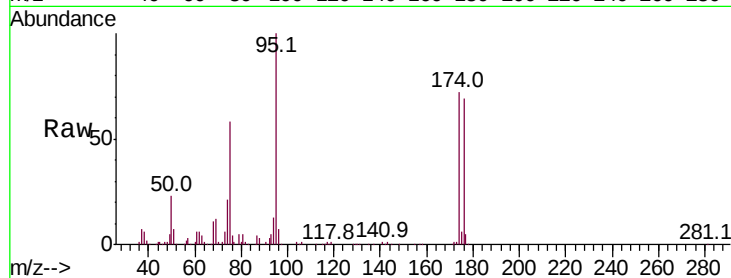
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Tot Ion: 75 Resp: 119174

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.210 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063533.D

Acq: 22 Sep 2020 15:20

Tgt Ion: 75 Resp: 119174

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

