

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092320\
 Data File : VN063586.D
 Acq On : 23 Sep 2020 14:07
 Operator : JC/MD
 Sample : L4104-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FIELD-BLANK

Quant Time: Sep 24 02:35:14 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	208896	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	391340	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	386732	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	162505	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	175976	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
35) Dibromofluoromethane	7.55	113	127577	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	
50) Toluene-d8	10.06	98	499452	49.03	ug/l	0.00
Spiked Amount			Recovery	=	98.06%	
62) 4-Bromofluorobenzene	12.38	95	192646	51.59	ug/l	0.00
Spiked Amount			Recovery	=	103.18%	

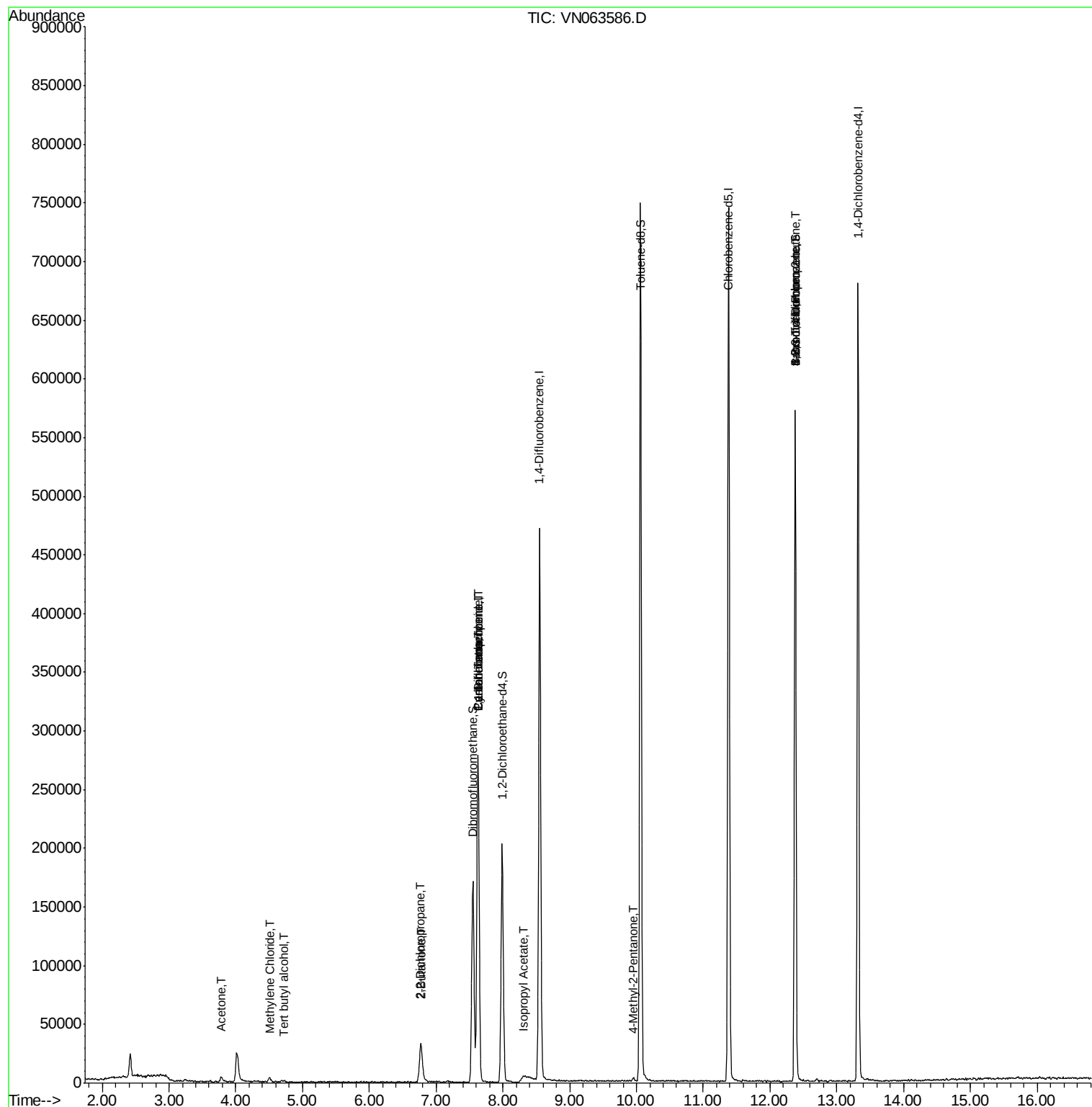
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	597	1.212	ug/l #	72
16) Acetone	3.78	43	3768	3.297	ug/l	95
20) Methylene Chloride	4.50	84	1949	0.673	ug/l #	80
25) 2-Butanone	6.78	43	2263	1.288	ug/l #	51
26) 2,2-Dichloropropane	6.77	77	1907	0.417	ug/l #	55
31) Cyclohexane	7.62	56	6531	1.330	ug/l #	9
36) 1,1-Dichloropropene	7.63	75	19185	4.602	ug/l #	47
38) Carbon Tetrachloride	7.63	117	22771	5.350	ug/l #	18
43) Isopropyl Acetate	8.30	43	2949	0.403	ug/l #	64
51) 4-Methyl-2-Pentanone	9.96	43	2583	0.631	ug/l #	57
71) Bromoform	12.37	173	638	0.285	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	108528	26.982	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	108528	73.975	ug/l #	7

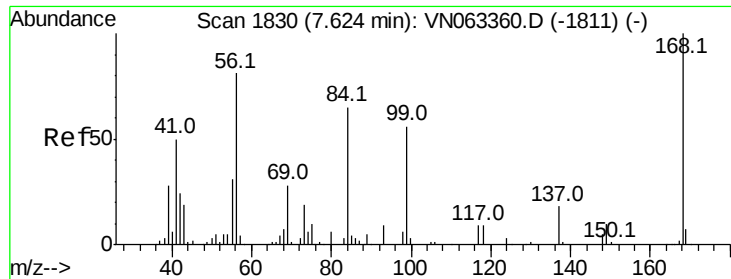
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063586.D

Acq: 23 Sep 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

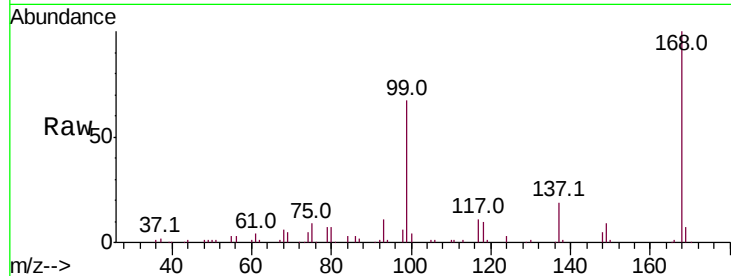
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Tot Ion:168 Resp: 208896

Ion Ratio Lower Upper

168 100

99 66.9 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

80000

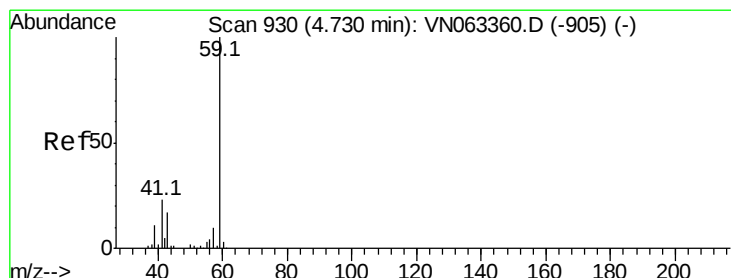
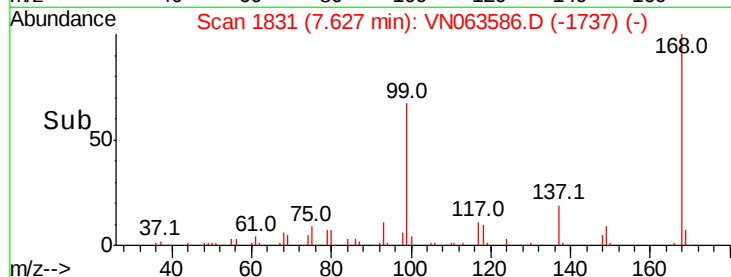
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 1.212 ug/l

RT: 4.72 min Scan# 928

Delta R.T. -0.01 min

Lab File: VN063586.D

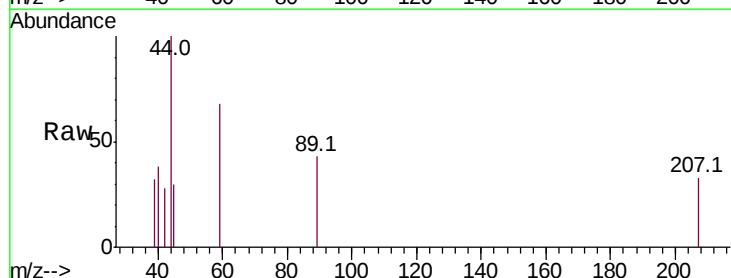
Acq: 23 Sep 2020 14:07

Tgt Ion: 59 Resp: 597

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

4.72

400

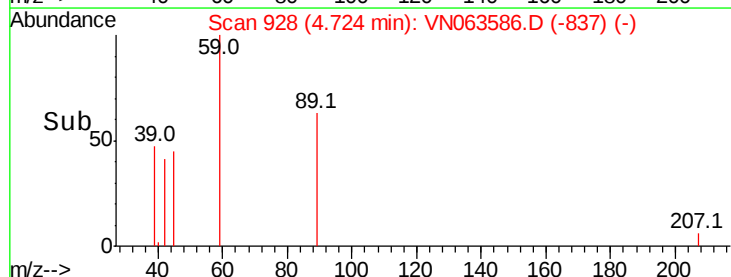
300

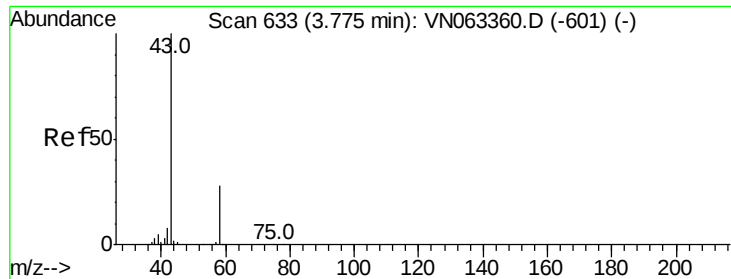
200

100

0

Time--> 4.70 4.72 4.74 4.76





#16

Acetone

Concen: 3.297 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063586.D

Acq: 23 Sep 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

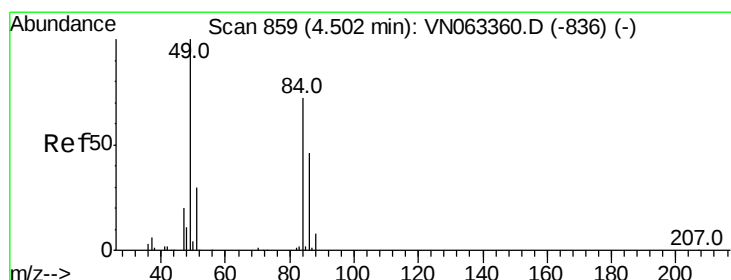
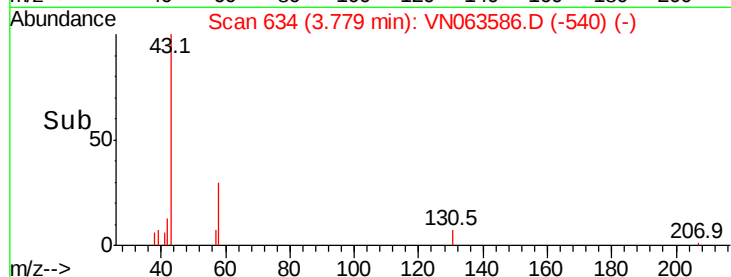
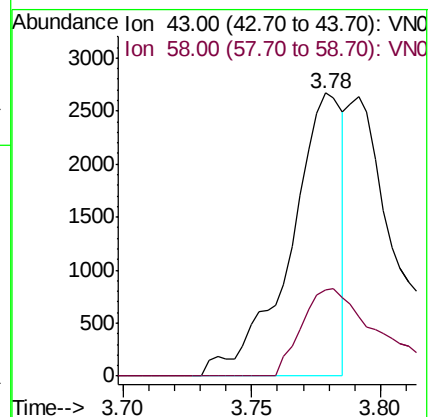
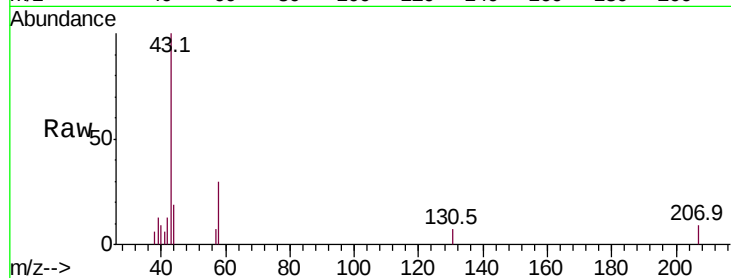
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Tot Ion: 43 Resp: 3768

Ion Ratio Lower Upper

43 100

58 30.5 22.3 33.5



#20

Methylene Chloride

Concen: 0.673 ug/l

RT: 4.50 min Scan# 857

Delta R.T. -0.01 min

Lab File: VN063586.D

Acq: 23 Sep 2020 14:07

Tgt Ion: 84 Resp: 1949

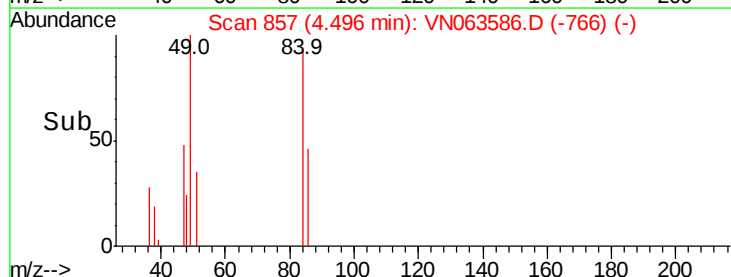
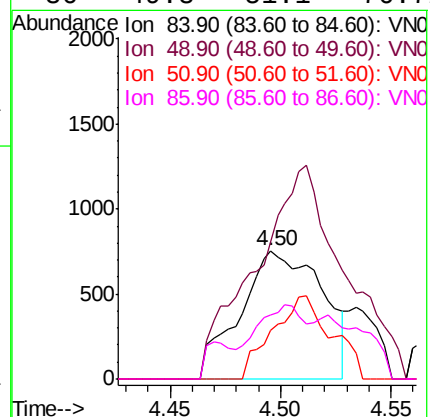
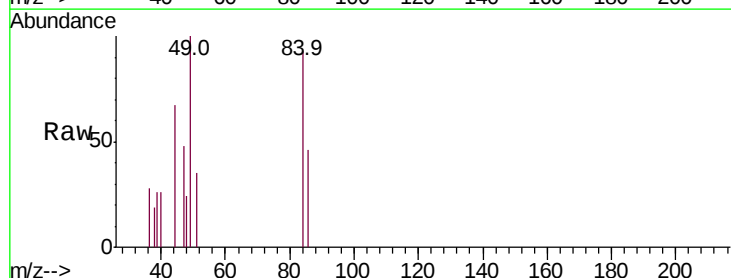
Ion Ratio Lower Upper

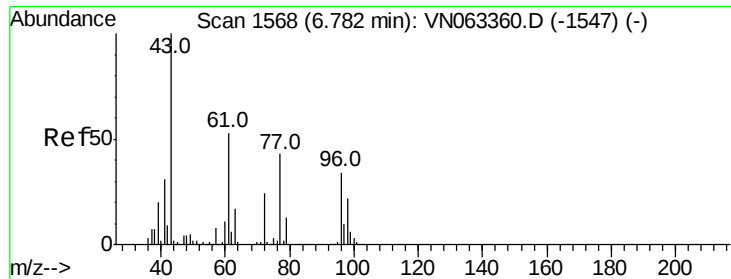
84 100

49 107.3 110.7 166.1#

51 37.6 32.9 49.3

86 49.8 51.1 76.7#





#25

2-Butanone

Concen: 1.288 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063586.D

Acq: 23 Sep 2020 14:07

Instrument :

MSVOA_N

ClientSampled :

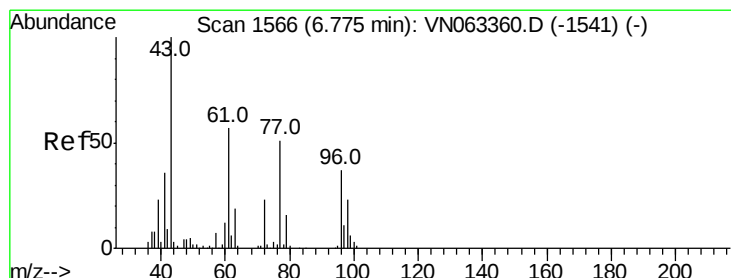
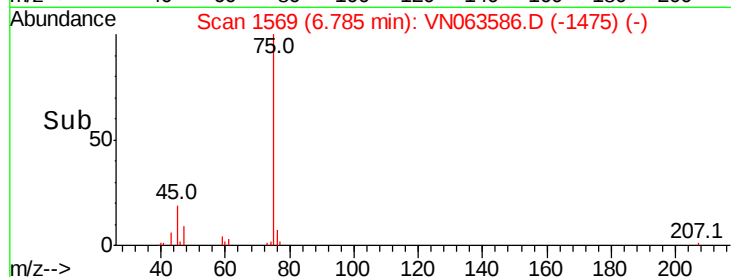
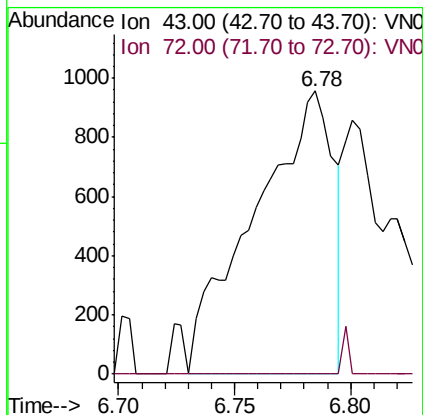
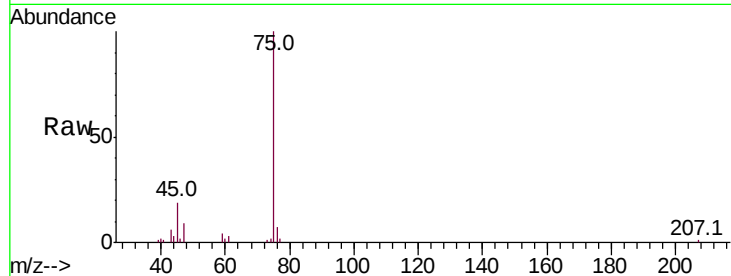
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Tot Ion: 43 Resp: 2263

Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#



#26

2,2-Dichloropropane

Concen: 0.417 ug/l

RT: 6.77 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN063586.D

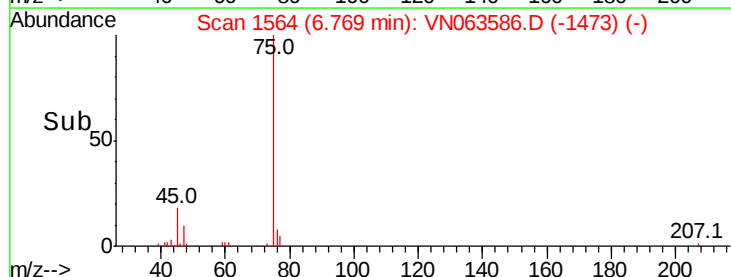
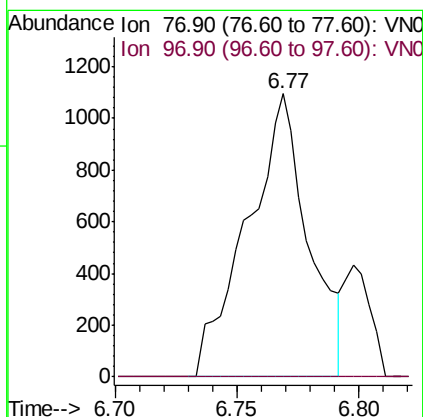
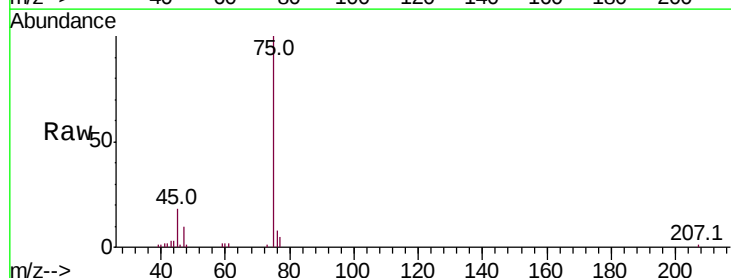
Acq: 23 Sep 2020 14:07

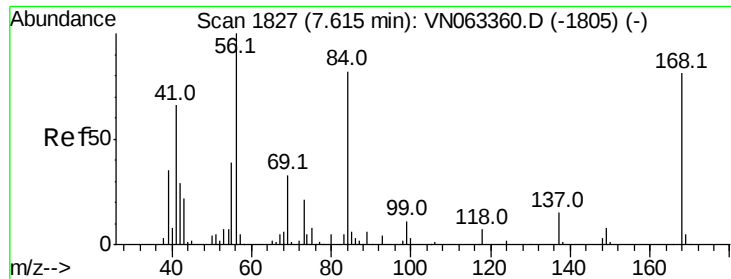
Tgt Ion: 77 Resp: 1907

Ion Ratio Lower Upper

77 100

97 0.0 10.5 31.6#

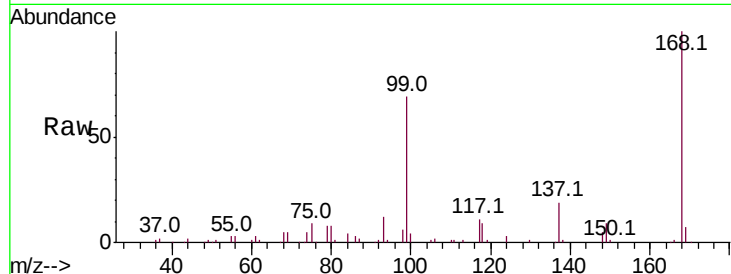




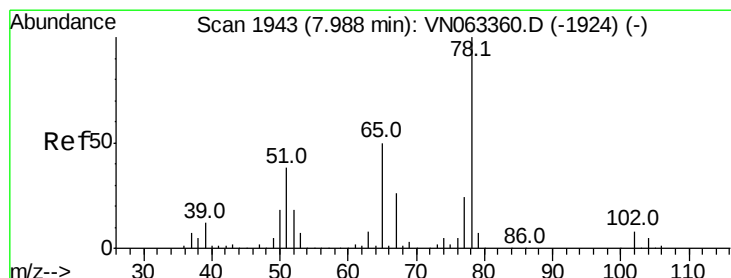
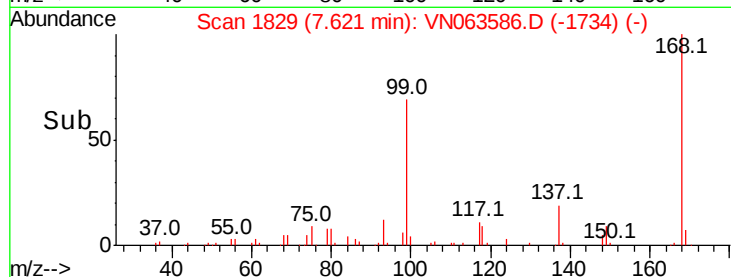
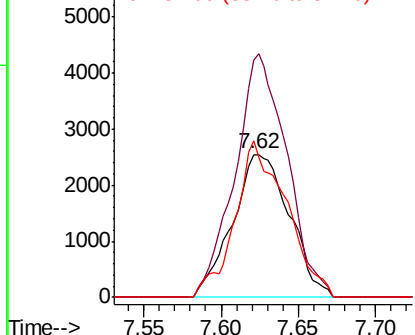
#31
Cyclohexane
Concen: 1.330 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN063586.D
Acq: 23 Sep 2020 14:07

Instrument :
MSVOA_N
ClientSampleId :
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Tot Ion: 56 Resp: 6531
Ion Ratio Lower Upper
56 100
69 166.9 26.1 39.1#
84 110.2 65.4 98.2#

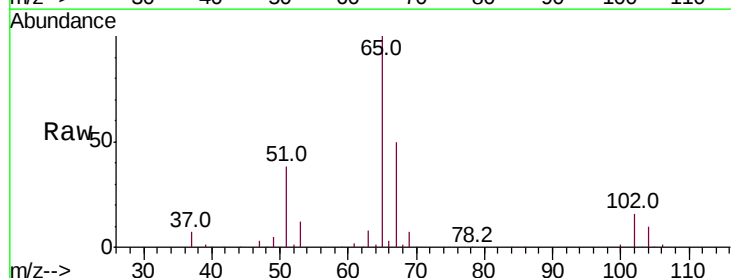


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

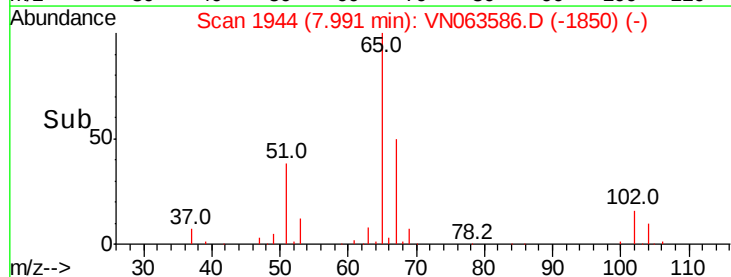
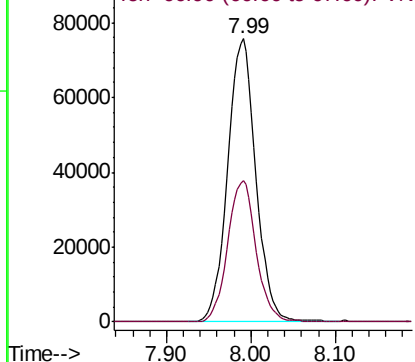


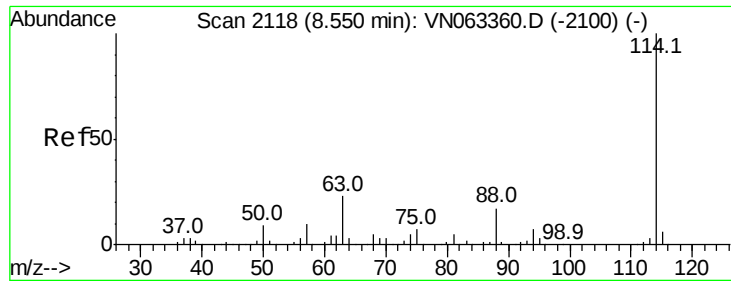
#33
1,2-Dichloroethane-d4
Concen: 49.488 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN063586.D
Acq: 23 Sep 2020 14:07

Tgt Ion: 65 Resp: 175976
Ion Ratio Lower Upper
65 100
67 50.2 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

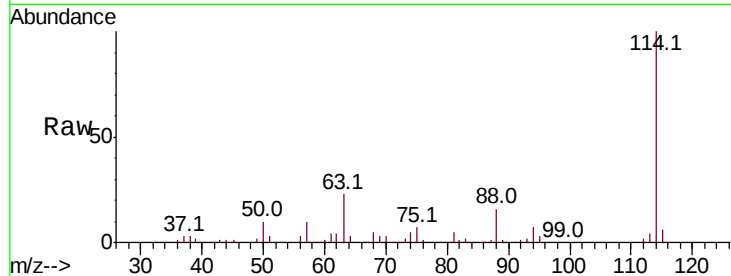




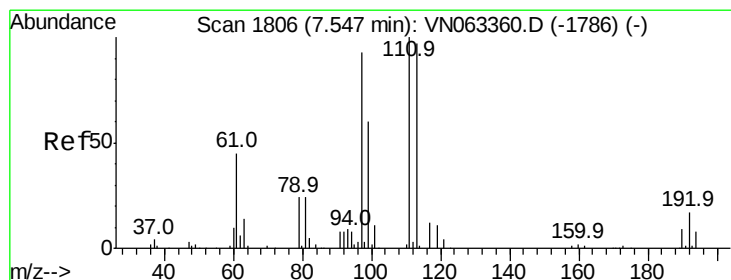
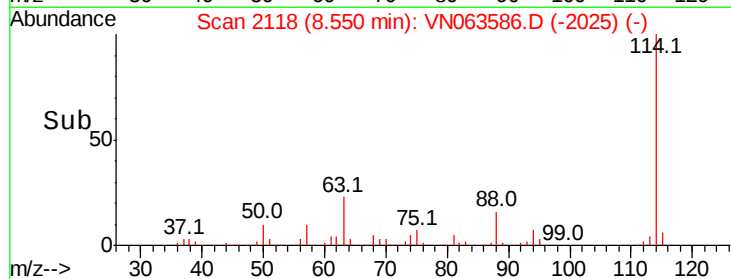
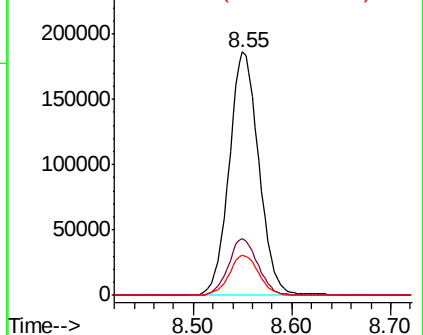
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063586.D
 Acq: 23 Sep 2020 14:07

Instrument :
 MSVOA_N
 ClientSampleId :
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Tot Ion:	114	Resp:	391340
Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	46.4
88	16.4	0.0	33.2

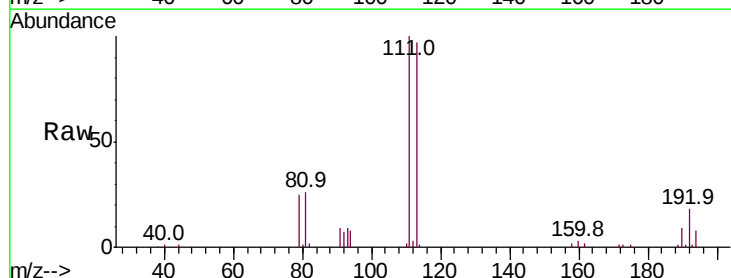


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

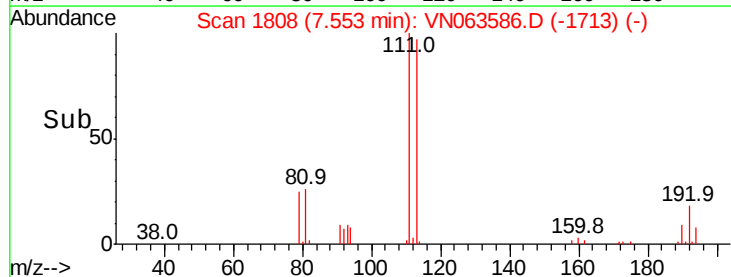
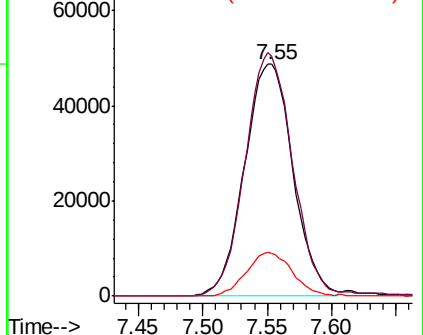


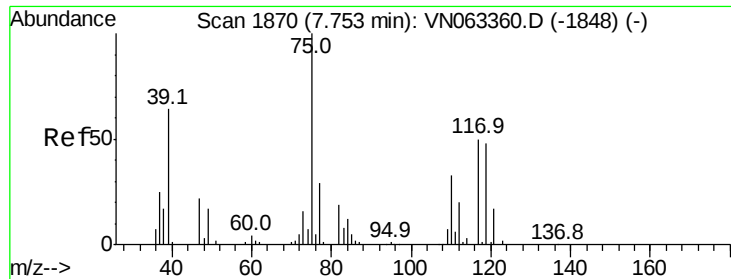
#35
 Dibromofluoromethane
 Concen: 47.091 ug/l
 RT: 7.55 min Scan# 1808
 Delta R.T. 0.01 min
 Lab File: VN063586.D
 Acq: 23 Sep 2020 14:07

Tgt Ion:	113	Resp:	127577
Ion	Ratio	Lower	Upper
113	100		
111	102.9	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: 4.602 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.12 min

Lab File: VN063586.D

Acq: 23 Sep 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

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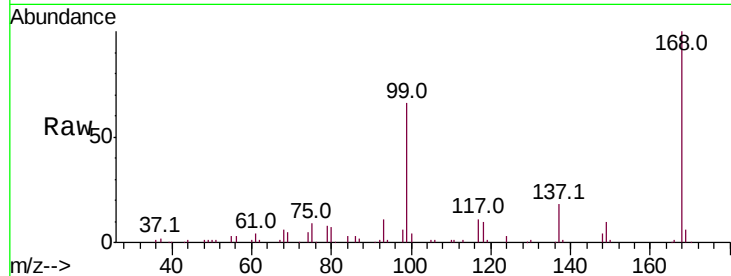
Tot Ion: 75 Resp: 19185

Ion Ratio Lower Upper

75 100

110 4.4 16.5 49.5#

77 0.0 24.6 36.8#

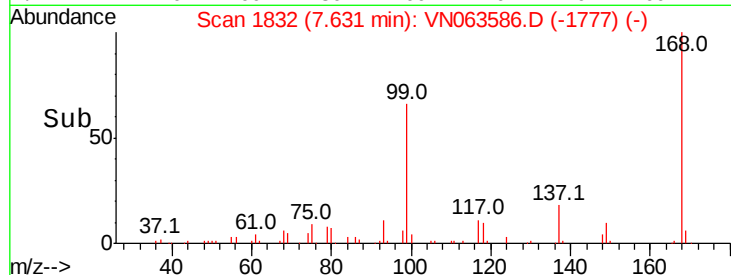


Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN063360.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN063360.D (-1848) (-)

Time-->

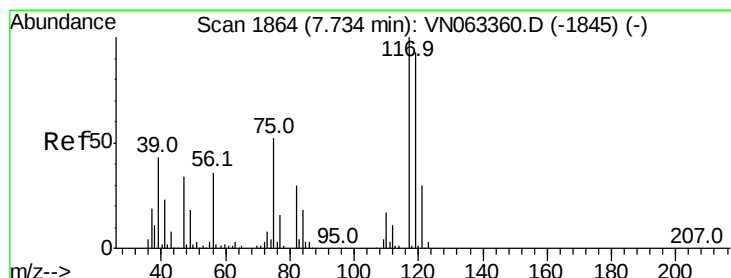


Abundance Ion 74.90 (74.60 to 75.60): VN063586.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN063586.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN063586.D (-1777) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.350 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063586.D

Acq: 23 Sep 2020 14:07

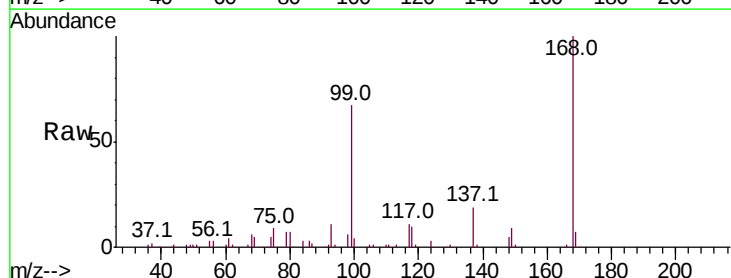
Tgt Ion: 117 Resp: 22771

Ion Ratio Lower Upper

117 100

119 5.7 74.5 111.7#

121 0.0 24.1 36.1#

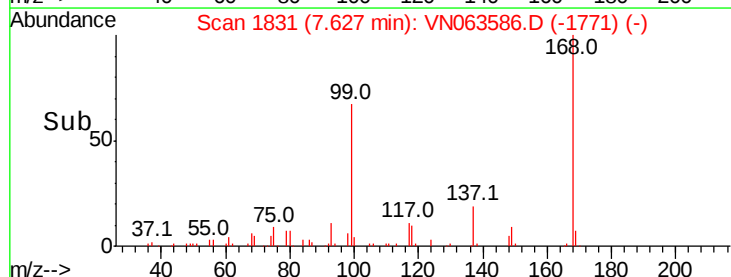


Abundance Ion 116.80 (116.50 to 117.50): VN063360.D (-1845) (-)

Ion 118.80 (118.50 to 119.50): VN063360.D (-1845) (-)

Ion 120.80 (120.50 to 121.50): VN063360.D (-1845) (-)

Time-->

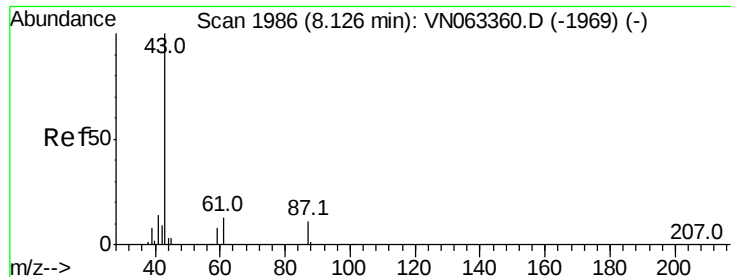


Abundance Ion 116.80 (116.50 to 117.50): VN063586.D (-1771) (-)

Ion 118.80 (118.50 to 119.50): VN063586.D (-1771) (-)

Ion 120.80 (120.50 to 121.50): VN063586.D (-1771) (-)

Time-->



#43

Isopropyl Acetate

Concen: 0.403 ug/l

RT: 8.30 min Scan# 2039

Delta R.T. 0.17 min

Lab File: VN063586.D

Acq: 23 Sep 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

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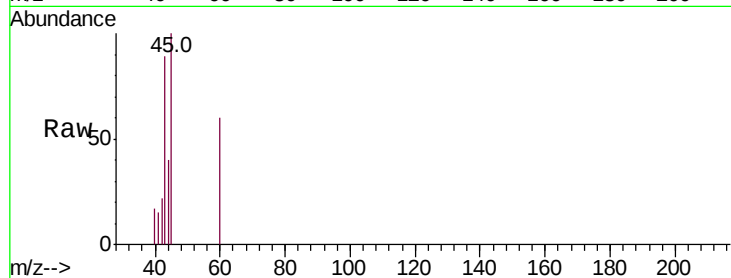
Tot Ion: 43 Resp: 2949

Ion Ratio Lower Upper

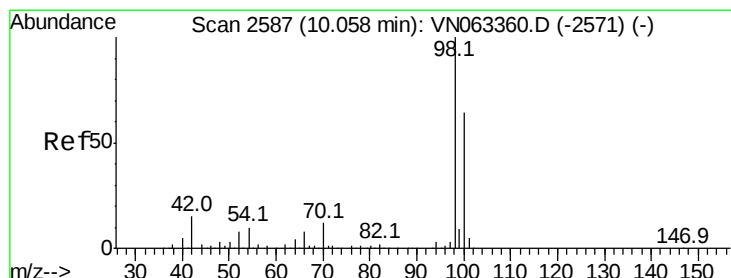
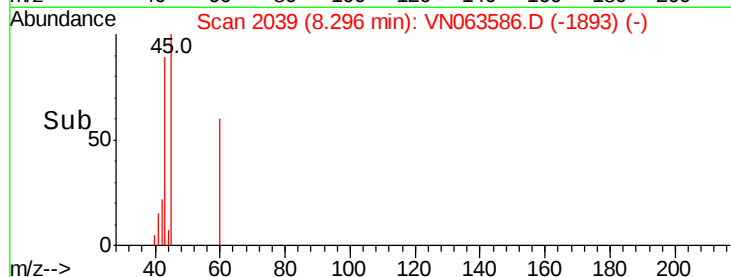
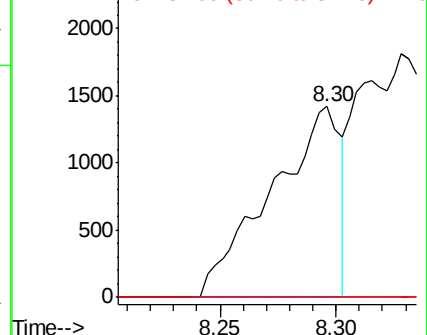
43 100

61 0.0 14.2 21.2#

87 0.0 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#50

Toluene-d8

Concen: 49.029 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063586.D

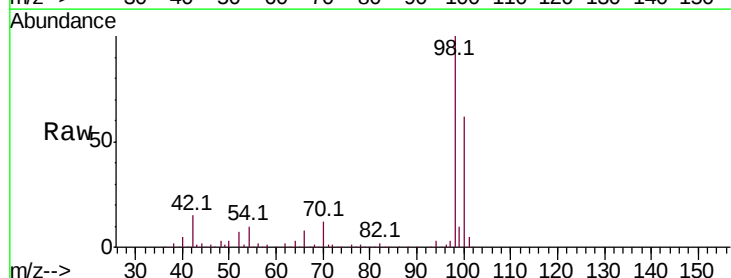
Acq: 23 Sep 2020 14:07

Tgt Ion: 98 Resp: 499452

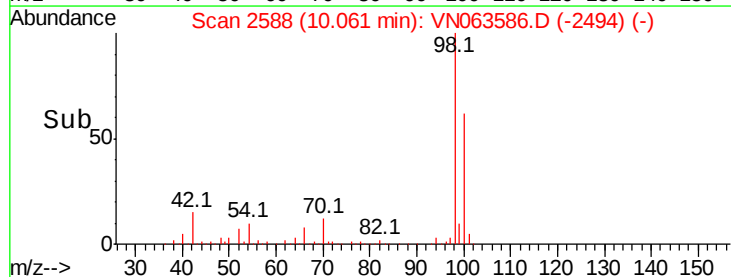
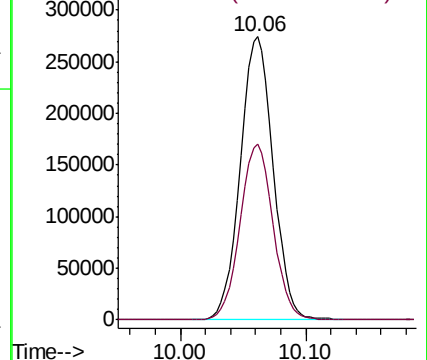
Ion Ratio Lower Upper

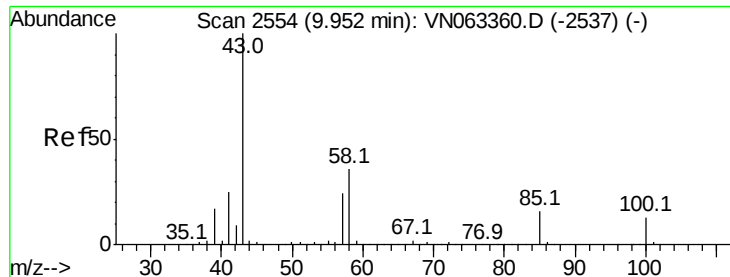
98 100

100 62.6 50.7 76.1



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





#51

4-Methyl-2-Pentanone

Concen: 0.631 ug/l

RT: 9.96 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN063586.D

Acq: 23 Sep 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

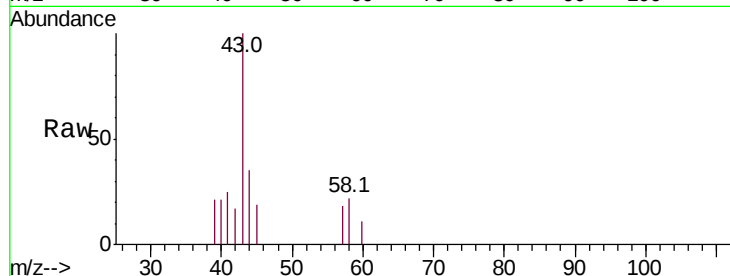
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Tot Ion: 43 Resp: 2583

Ion Ratio Lower Upper

43 100

58 11.2 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) (-)

9.96

1500

1000

500

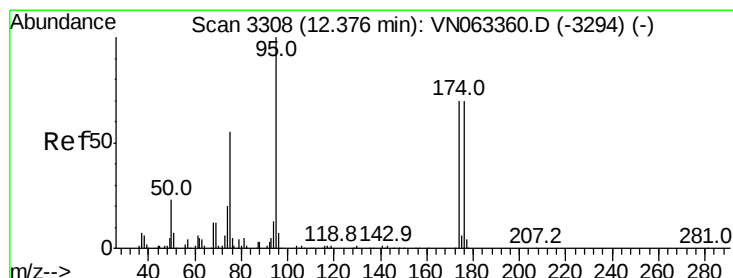
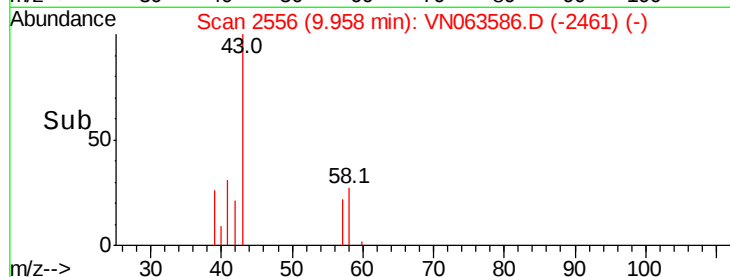
0

9.90

9.95

10.00

Time-->



#62

4-Bromofluorobenzene

Concen: 51.588 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063586.D

Acq: 23 Sep 2020 14:07

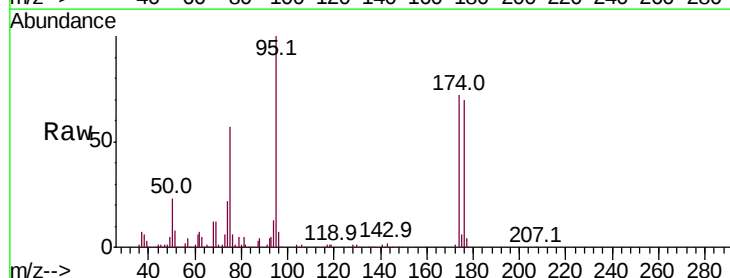
Tgt Ion: 95 Resp: 192646

Ion Ratio Lower Upper

95 100

174 71.4 0.0 140.8

176 69.6 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) (-)

12.38

150000

100000

50000

0

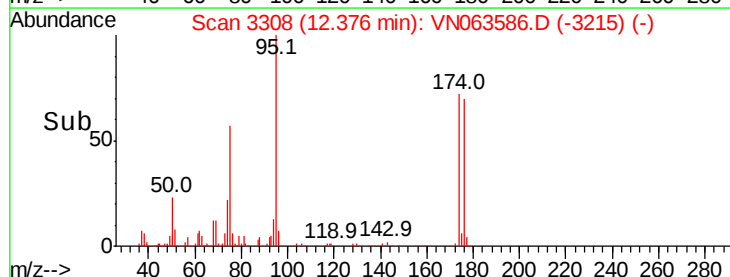
12.30

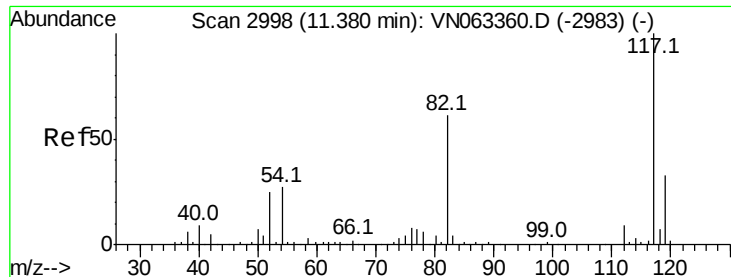
12.35

12.40

12.45

Time-->

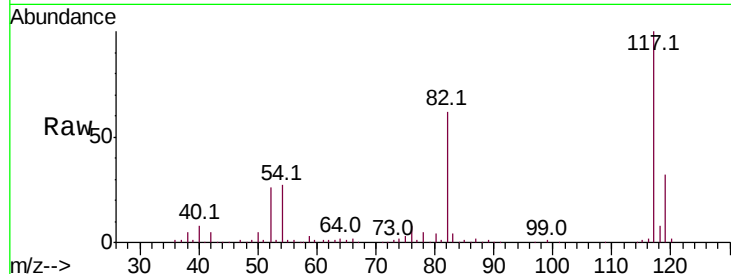




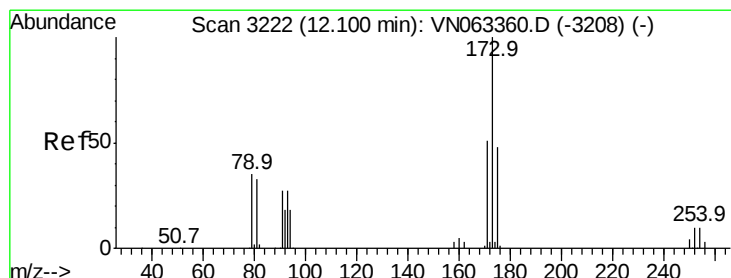
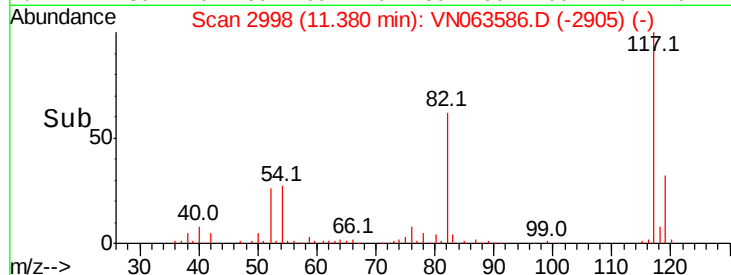
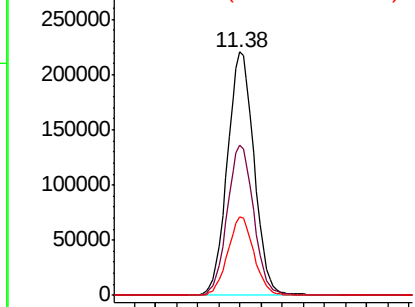
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063586.D
Acq: 23 Sep 2020 14:07

Instrument :
MSVOA_N
ClientSampled :
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Tot Ion:117 Resp: 386732
Ion Ratio Lower Upper
117 100
82 61.8 49.2 73.8
119 32.1 26.2 39.4

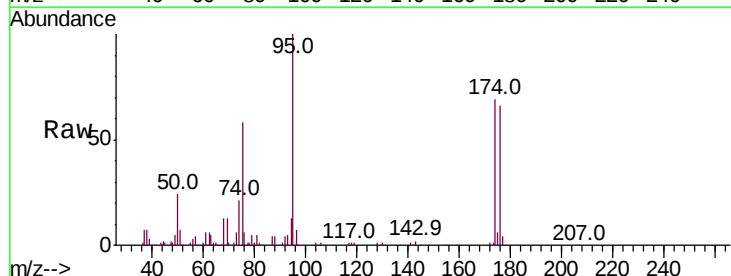


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN0
Ion 118.90 (118.60 to 119.60): V

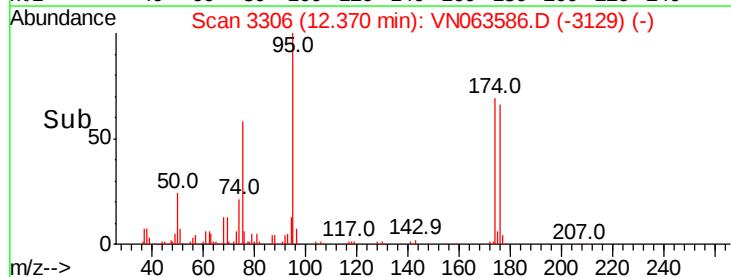
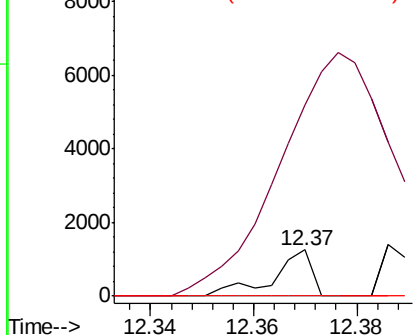


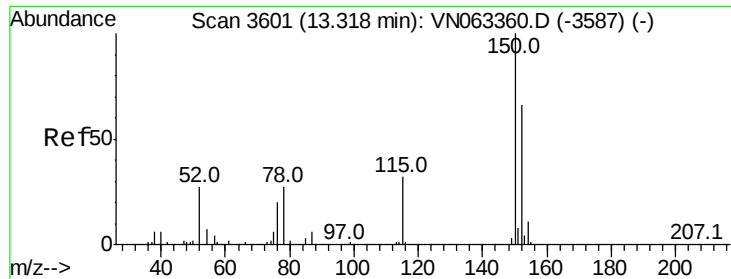
#71
Bromoform
Concen: 0.285 ug/l
RT: 12.37 min Scan# 3306
Delta R.T. 0.27 min
Lab File: VN063586.D
Acq: 23 Sep 2020 14:07

Tgt Ion:173 Resp: 638
Ion Ratio Lower Upper
173 100
175 1380.9 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: VN063586.D

Acq: 23 Sep 2020 14:07

Instrument :

MSVOA_N

ClientSampled :

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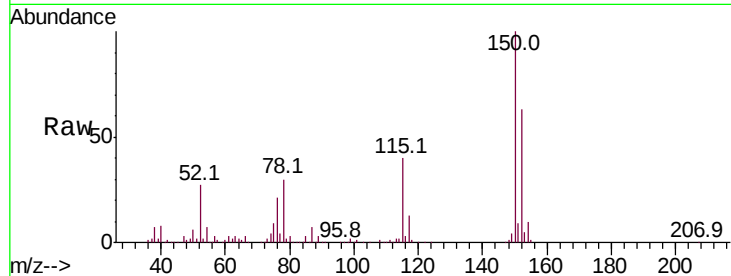
Tot Ion:152 Resp: 162505

Ion Ratio Lower Upper

152 100

115 63.1 32.2 96.6

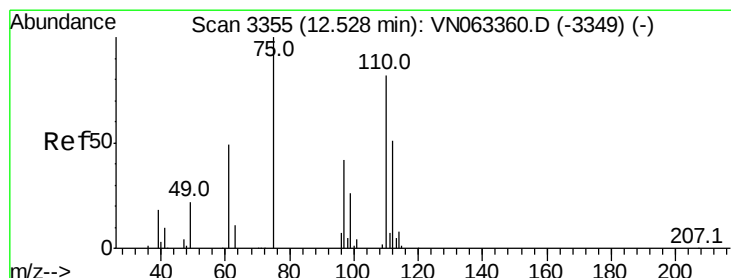
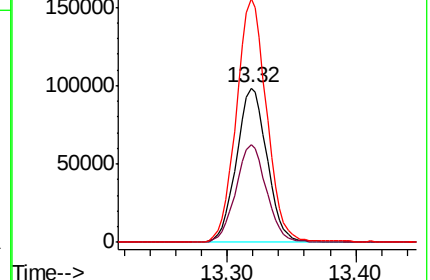
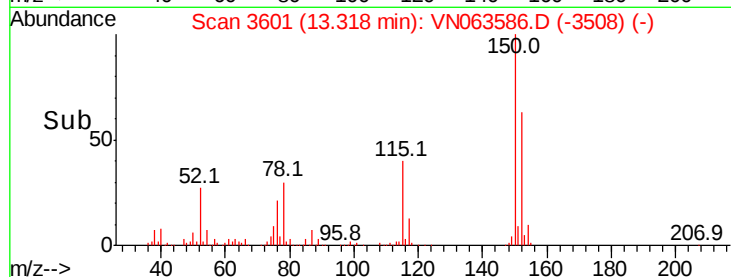
150 156.0 0.0 343.4



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: 26.982 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063586.D

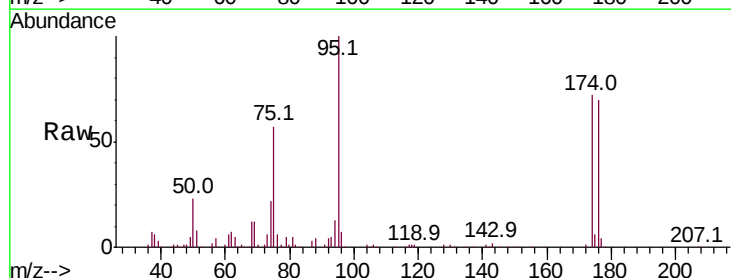
Acq: 23 Sep 2020 14:07

Tgt Ion: 75 Resp: 108528

Ion Ratio Lower Upper

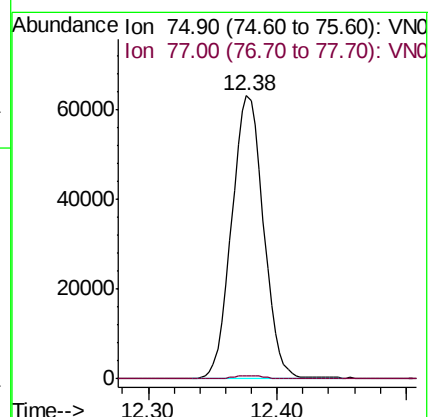
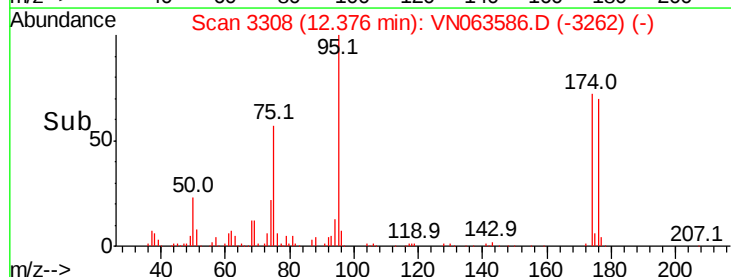
75 100

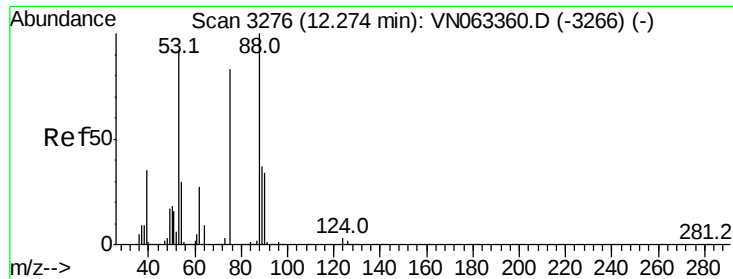
77 1.1 0.0 0.0#



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: 73.975 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063586.D

Acq: 23 Sep 2020 14:07

Instrument :

MSVOA_N

ClientSampleId :

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Tot Ion: 75 Resp: 108528

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

