

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091820\
 Data File : VN063453.D
 Acq On : 18 Sep 2020 13:26
 Operator : JC/MD
 Sample : PB131709ZHE#19
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131709ZHE#19

Quant Time: Sep 21 01:34:27 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	253157	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	472247	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	461655	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	201083	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	207224	48.09	ug/l	0.00
Spiked Amount			Recovery	=	96.18%	
35) Dibromofluoromethane	7.55	113	152345	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	
50) Toluene-d8	10.06	98	608382	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
62) 4-Bromofluorobenzene	12.38	95	244547	54.27	ug/l	0.00
Spiked Amount			Recovery	=	108.54%	

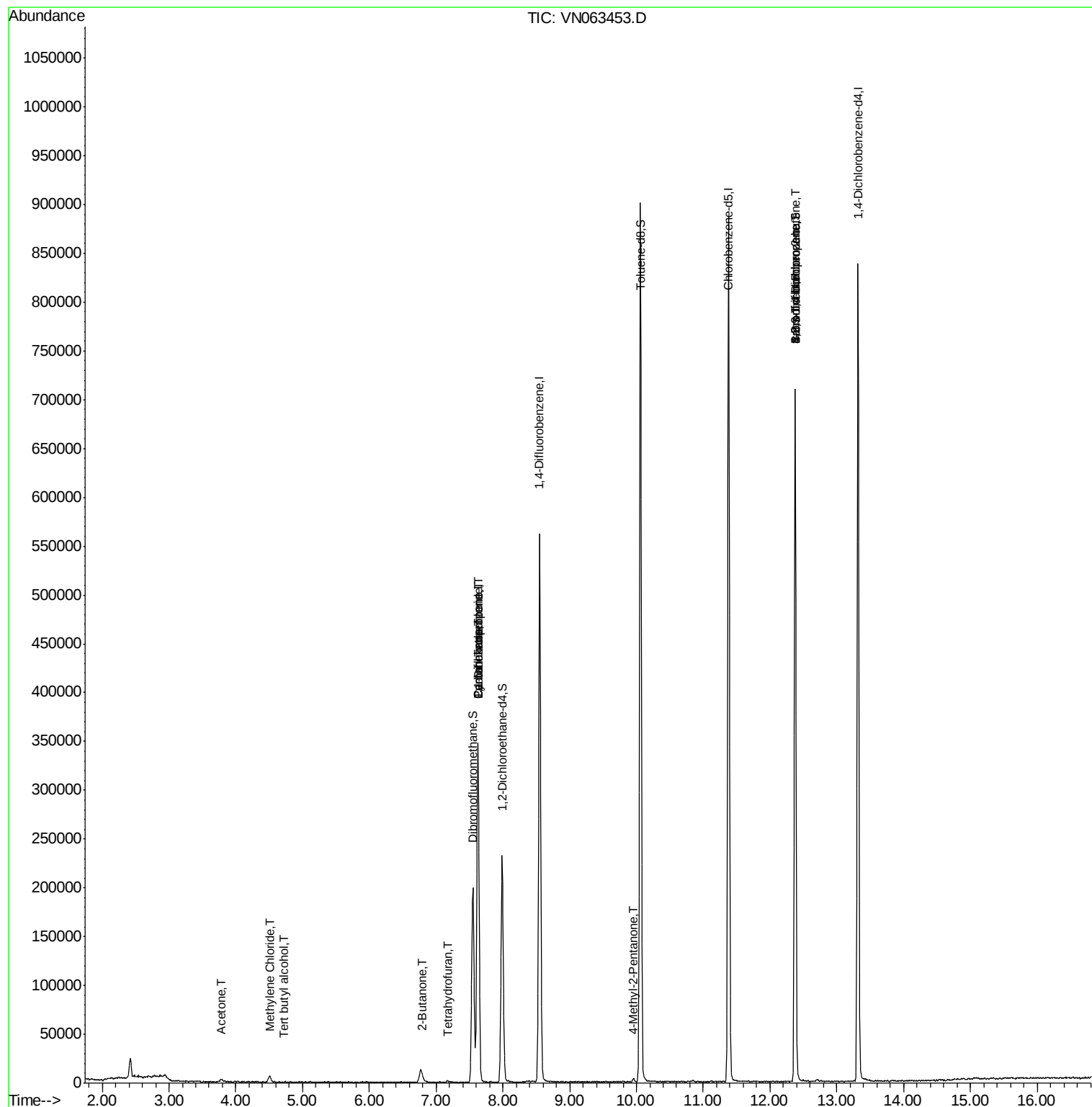
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	187	0.313	ug/l #	72
16) Acetone	3.78	43	2769	1.999	ug/l	90
20) Methylene Chloride	4.51	84	3873	1.104	ug/l	91
25) 2-Butanone	6.80	43	808	0.379	ug/l #	51
29) Tetrahydrofuran	7.18	42	748	0.514	ug/l #	50
31) Cyclohexane	7.62	56	7957	1.337	ug/l #	43
36) 1,1-Dichloropropene	7.62	75	24047	4.780	ug/l #	51
38) Carbon Tetrachloride	7.63	117	28450	5.540	ug/l #	17
51) 4-Methyl-2-Pentanone	9.96	43	3618	0.732	ug/l #	64
71) Bromoform	12.38	173	1107	0.414	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	133910	26.905	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	133910	73.764	ug/l #	7

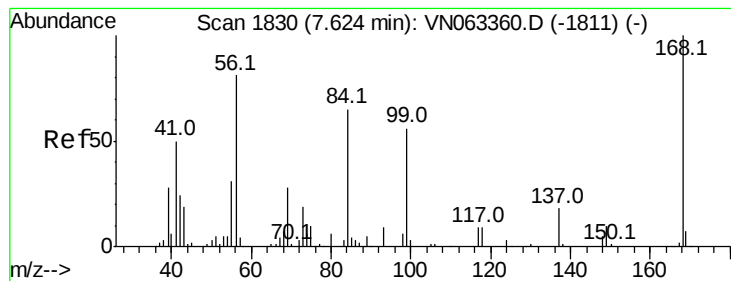
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063453.D

Acq: 18 Sep 2020 13:26

Instrument :

MSVOA_N

ClientSampleId :

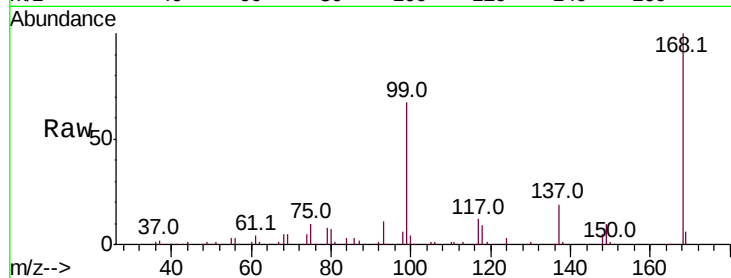
PB131709ZHE#19

Tot Ion:168 Resp: 253157

Ion Ratio Lower Upper

168 100

99 66.8 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

120000

100000

80000

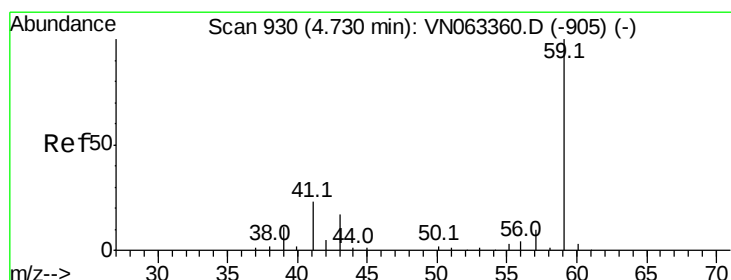
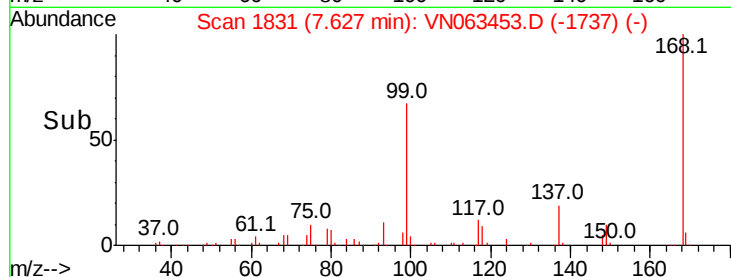
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.313 ug/l

RT: 4.72 min Scan# 926

Delta R.T. -0.01 min

Lab File: VN063453.D

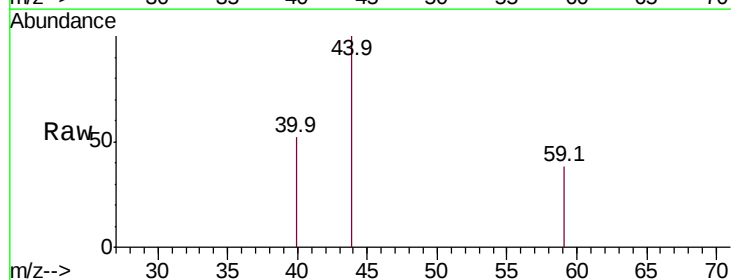
Acq: 18 Sep 2020 13:26

Tgt Ion: 59 Resp: 187

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

250

200

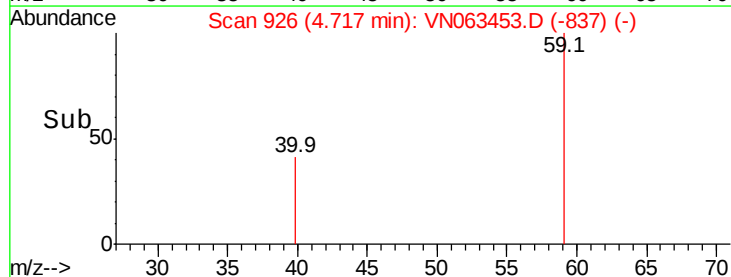
150

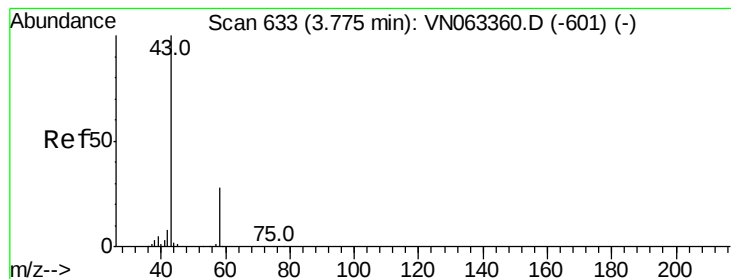
100

50

0

Time--> 4.70 4.71 4.72 4.73





#16

Acetone

Concen: 1.999 ug/l

RT: 3.78 min Scan# 633

Delta R.T. -0.00 min

Lab File: VN063453.D

Acq: 18 Sep 2020 13:26

Instrument :

MSVOA_N

ClientSampleId :

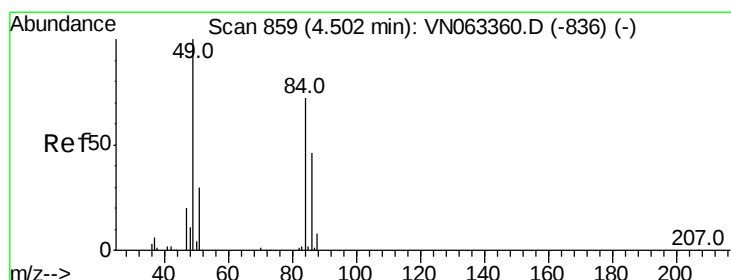
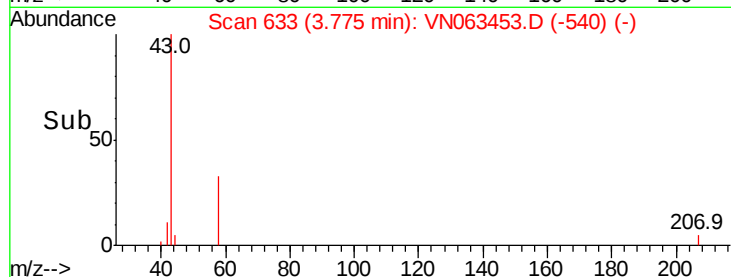
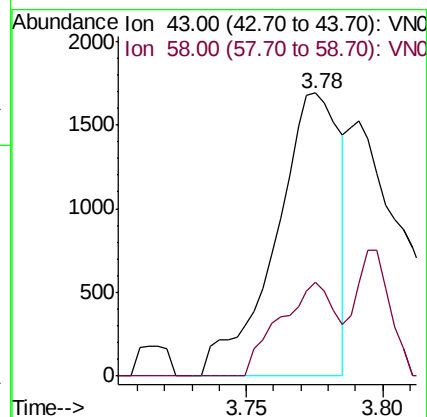
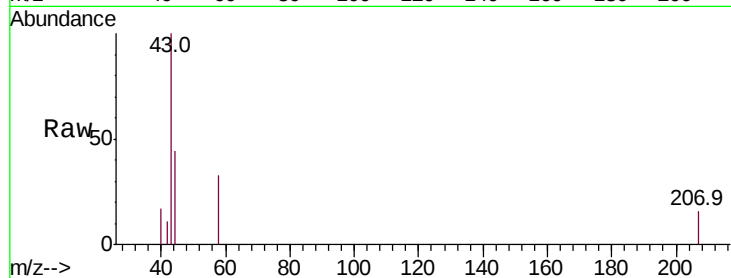
PB131709ZHE#19

Tot Ion: 43 Resp: 2769

Ion Ratio Lower Upper

43 100

58 33.0 22.3 33.5



#20

Methylene Chloride

Concen: 1.104 ug/l

RT: 4.51 min Scan# 860

Delta R.T. 0.00 min

Lab File: VN063453.D

Acq: 18 Sep 2020 13:26

Tgt Ion: 84 Resp: 3873

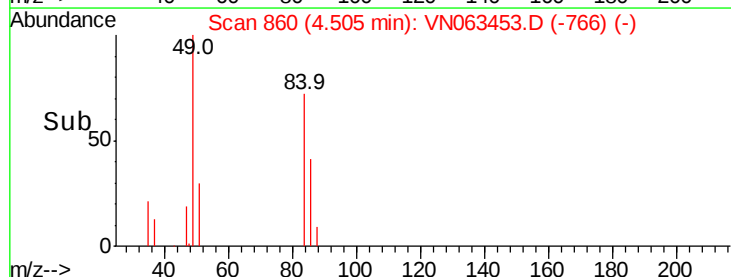
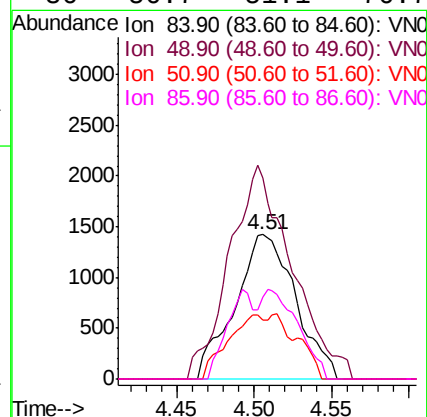
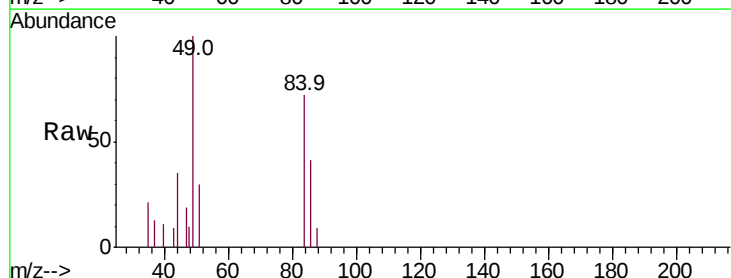
Ion Ratio Lower Upper

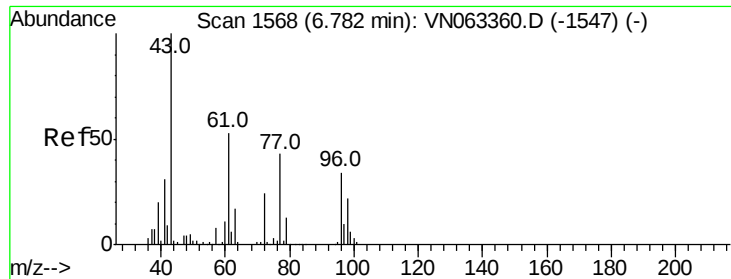
84 100

49 123.9 110.7 166.1

51 41.3 32.9 49.3

86 56.7 51.1 76.7





#25

2-Butanone

Concen: 0.379 ug/l

RT: 6.80 min Scan# 1575

Delta R.T. 0.02 min

Lab File: VN063453.D

Acq: 18 Sep 2020 13:26

Instrument :

MSVOA_N

ClientSampleId :

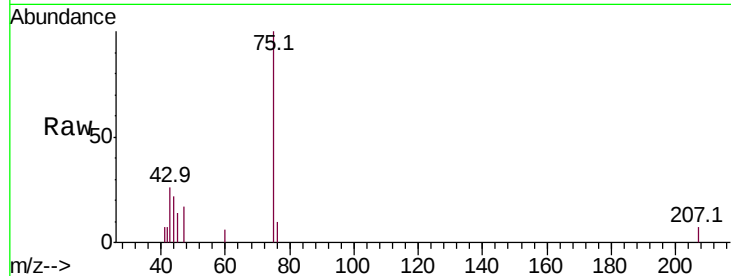
PB131709ZHE#19

Tot Ion: 43 Resp: 808

Ion Ratio Lower Upper

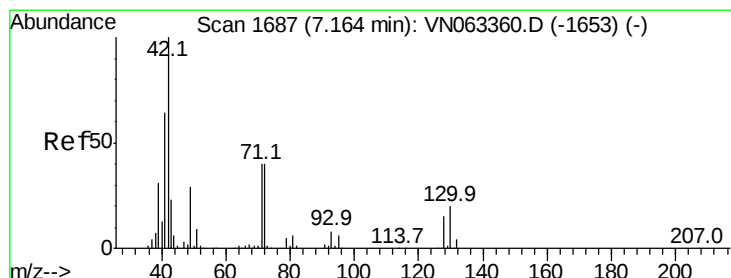
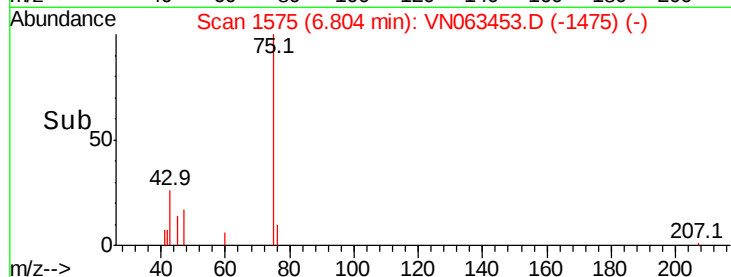
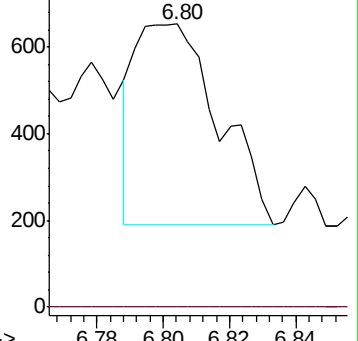
43 100

72 0.0 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#29

Tetrahydrofuran

Concen: 0.514 ug/l

RT: 7.18 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VN063453.D

Acq: 18 Sep 2020 13:26

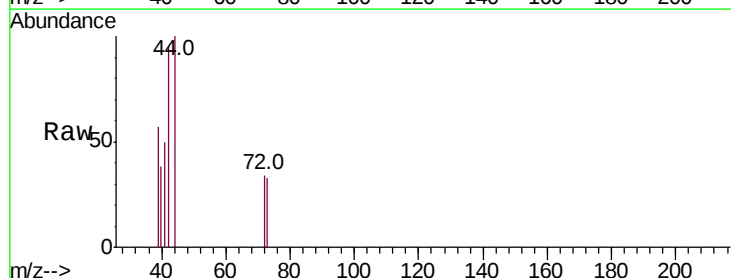
Tgt Ion: 42 Resp: 748

Ion Ratio Lower Upper

42 100

72 9.1 32.1 48.1#

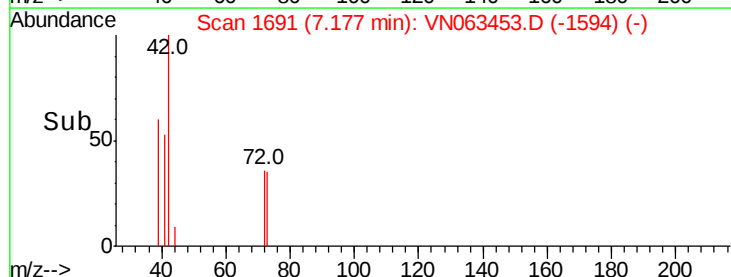
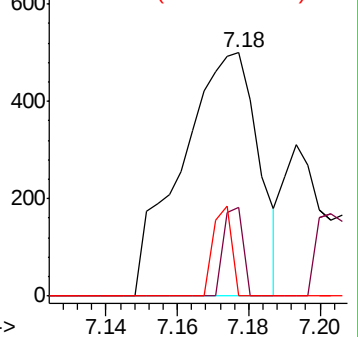
71 8.8 31.2 46.8#

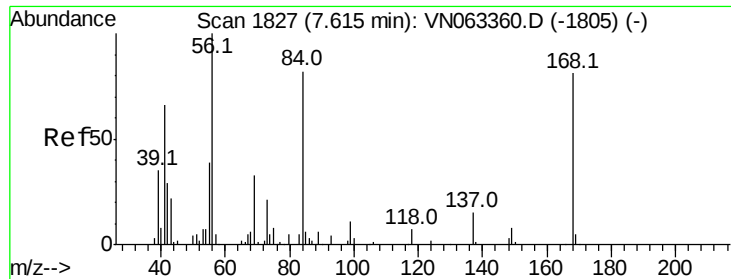


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

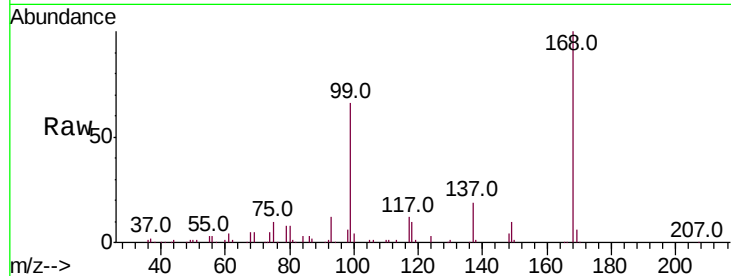




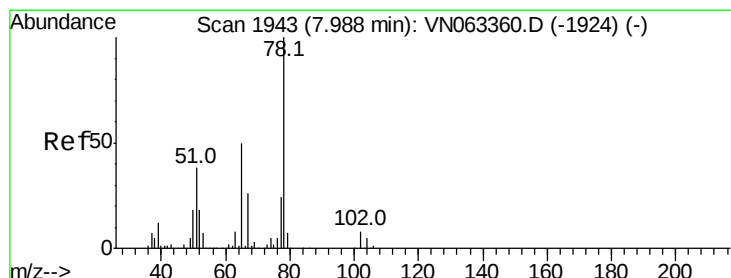
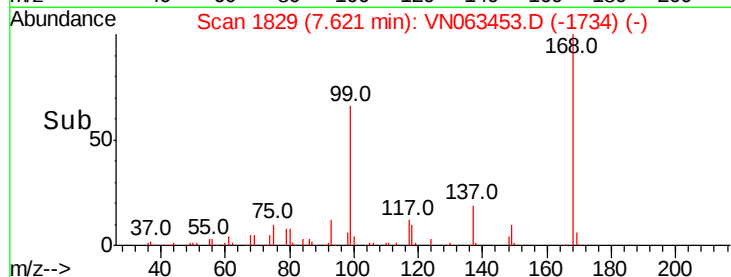
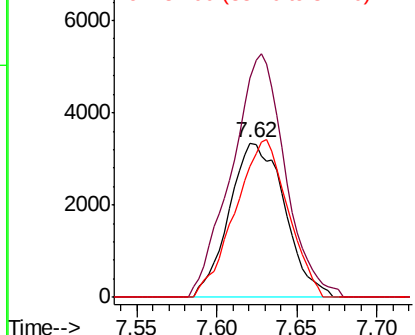
#31
Cyclohexane
Concen: 1.337 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN063453.D
Acq: 18 Sep 2020 13:26

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PB131709ZHE#19

Tot Ion: 56 Resp: 7957
Ion Ratio Lower Upper
56 100
69 141.6 26.1 39.1#
84 84.6 65.4 98.2

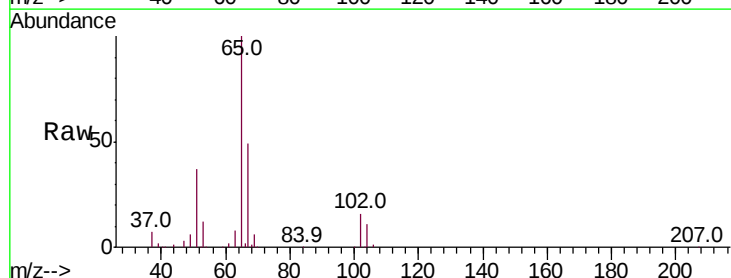


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

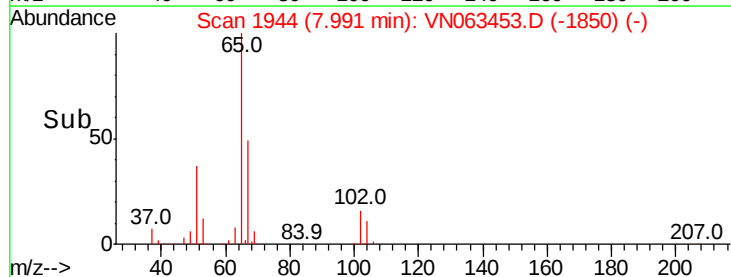
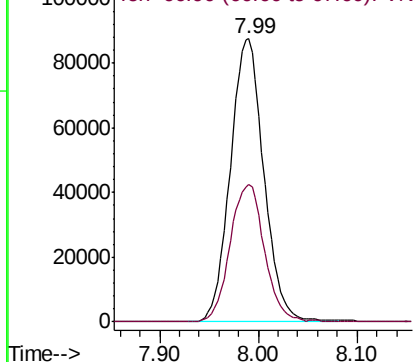


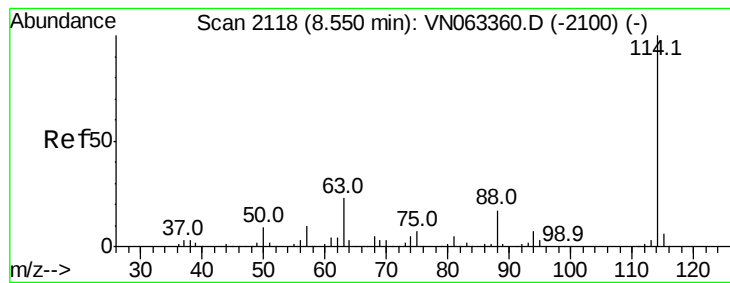
#33
1,2-Dichloroethane-d4
Concen: 48.087 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN063453.D
Acq: 18 Sep 2020 13:26

Tgt Ion: 65 Resp: 207224
Ion Ratio Lower Upper
65 100
67 49.7 0.0 104.2



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN063453.D

Acq: 18 Sep 2020 13:26

Instrument :

MSVOA_N

ClientSampleId :

PB131709ZHE#19

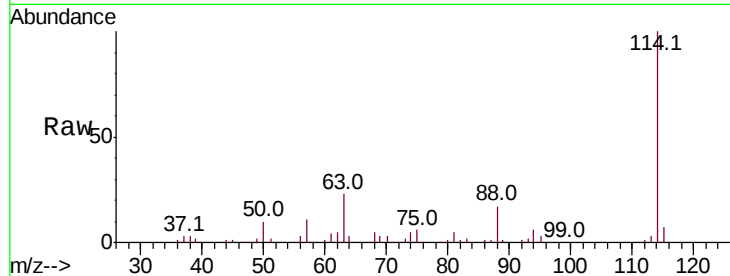
Tot Ion:114 Resp: 472247

Ion Ratio Lower Upper

114 100

63 23.3 0.0 46.4

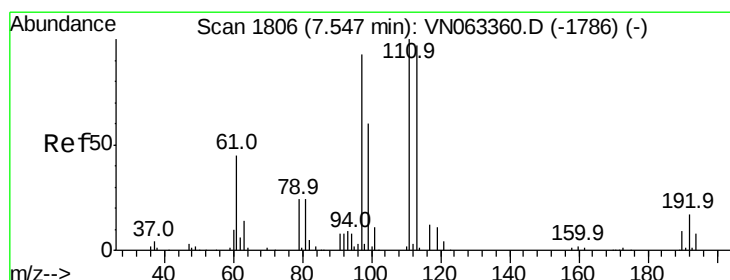
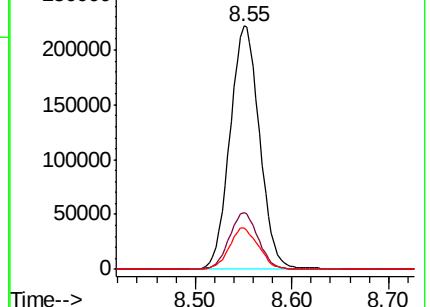
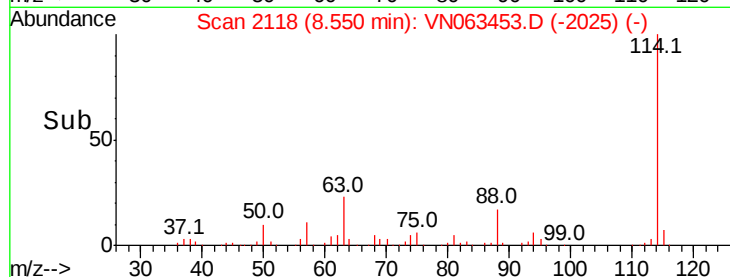
88 17.0 0.0 33.2



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



#35

Dibromofluoromethane

Concen: 46.599 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063453.D

Acq: 18 Sep 2020 13:26

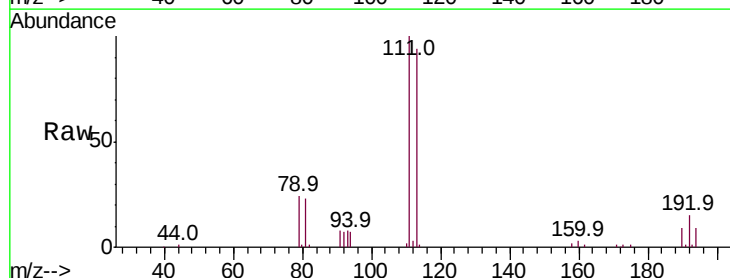
Tgt Ion:113 Resp: 152345

Ion Ratio Lower Upper

113 100

111 103.2 82.9 124.3

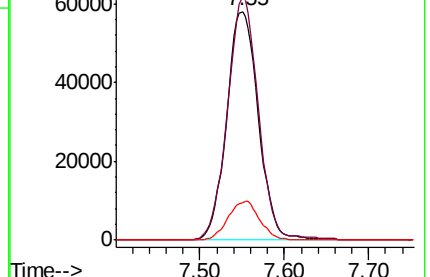
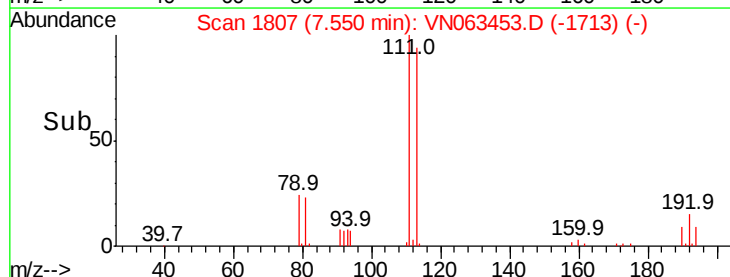
192 16.9 13.9 20.9

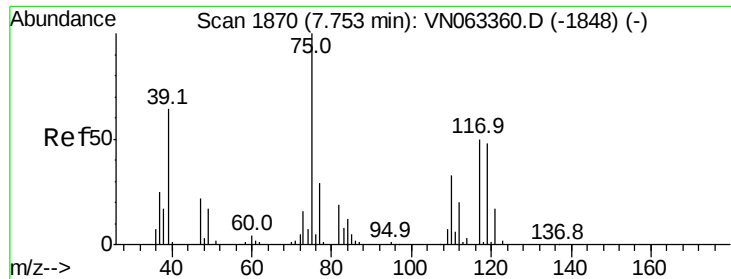


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.780 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063453.D

Acq: 18 Sep 2020 13:26

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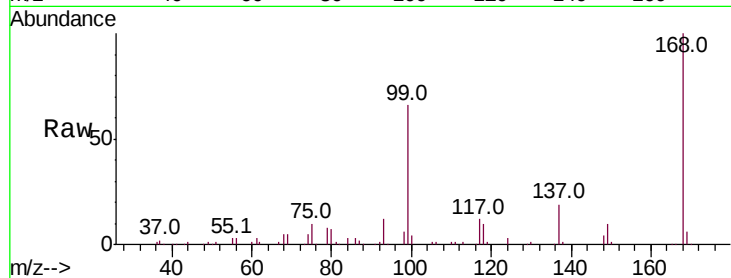
Tot Ion: 75 Resp: 24047

Ion Ratio Lower Upper

75 100

110 8.5 16.5 49.5#

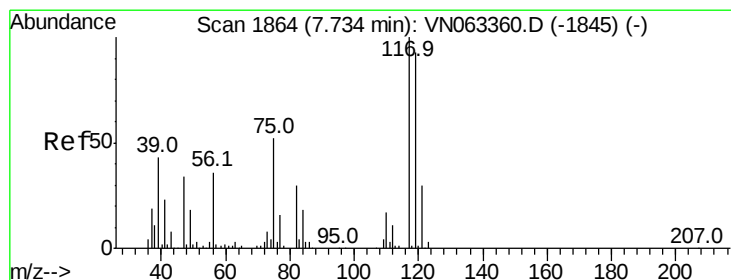
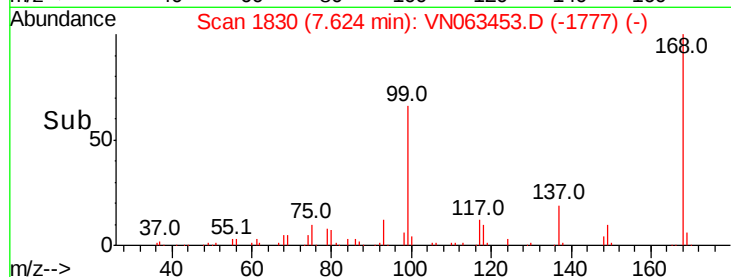
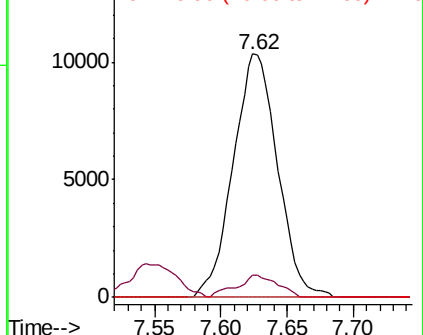
77 0.0 24.6 36.8#



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) (-)



#38

Carbon Tetrachloride

Concen: 5.540 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063453.D

Acq: 18 Sep 2020 13:26

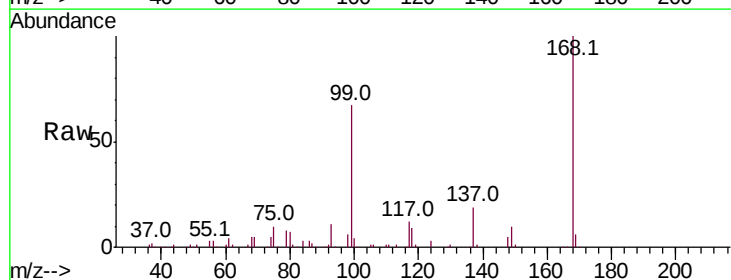
Tgt Ion: 117 Resp: 28450

Ion Ratio Lower Upper

117 100

119 4.4 74.5 111.7#

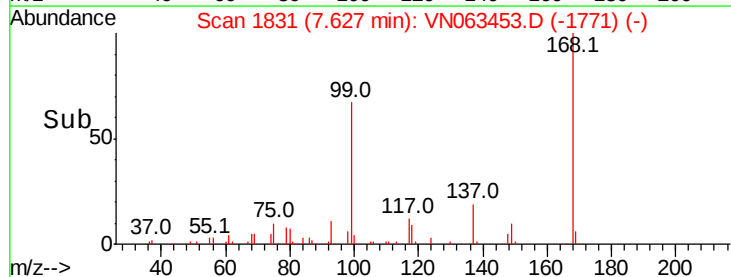
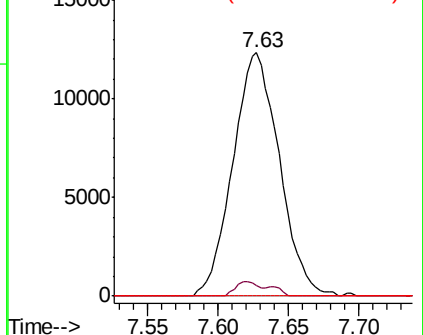
121 0.0 24.1 36.1#

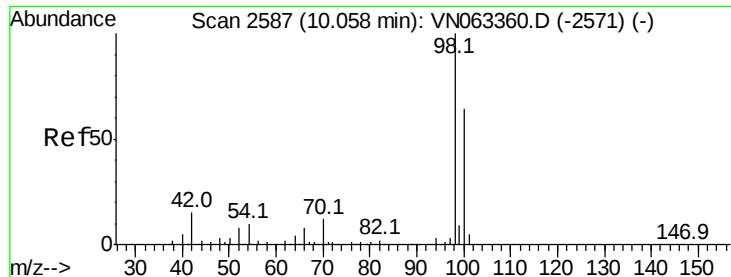


Abundance Ion 116.80 (116.50 to 117.50): VN063360.D (-1845) (-)

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

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





#50

Toluene-d8

Concen: 49.490 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063453.D

Acq: 18 Sep 2020 13:26

Instrument :

MSVOA_N

ClientSampleId :

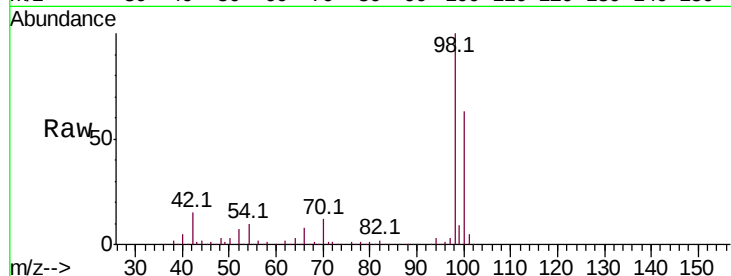
PB131709ZHE#19

Tot Ion: 98 Resp: 608382

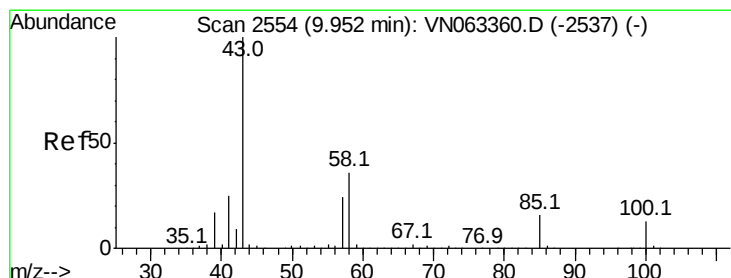
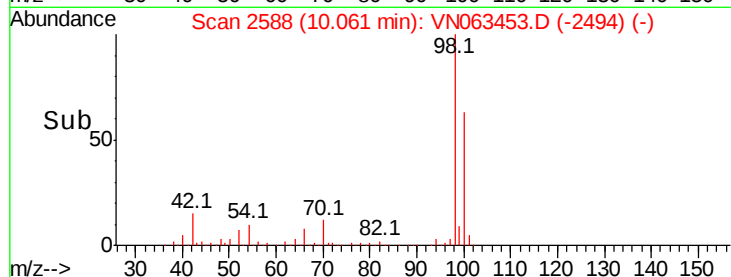
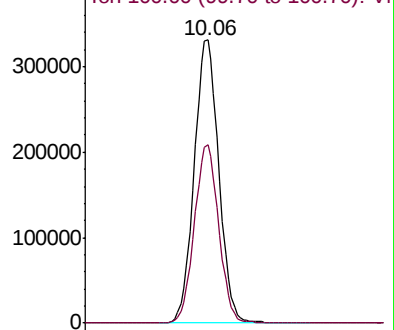
Ion Ratio Lower Upper

98 100

100 62.5 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN063360.D (-2571) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.732 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN063453.D

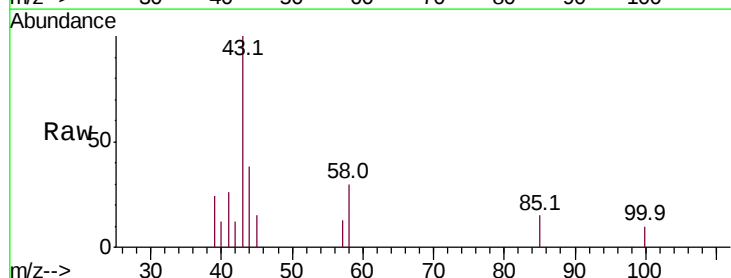
Acq: 18 Sep 2020 13:26

Tgt Ion: 43 Resp: 3618

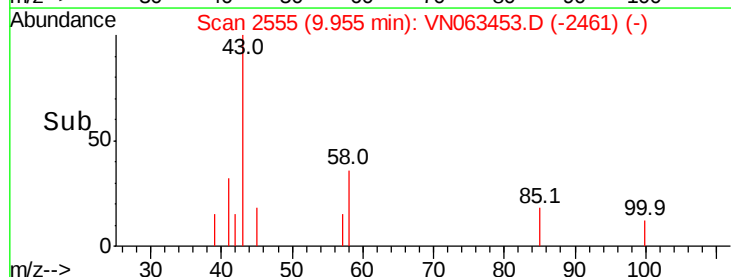
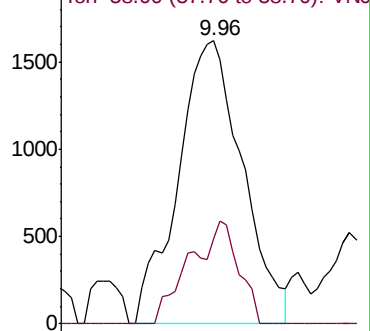
Ion Ratio Lower Upper

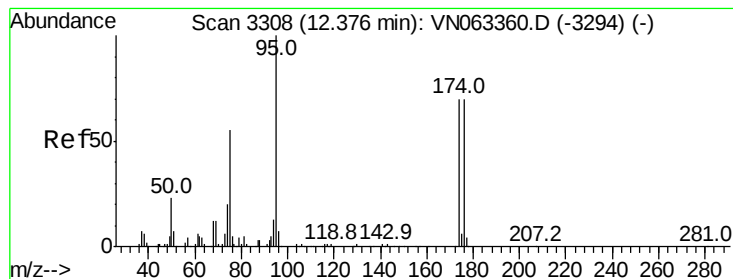
43 100

58 14.8 29.0 43.6#



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





#62

4-Bromofluorobenzene

Concen: 54.267 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063453.D

Acq: 18 Sep 2020 13:26

Instrument :

MSVOA_N

ClientSampleId :

PB131709ZHE#19

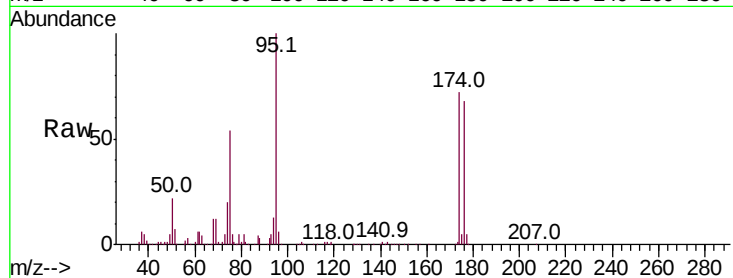
Tot Ion: 95 Resp: 244547

Ion Ratio Lower Upper

95 100

174 71.3 0.0 140.8

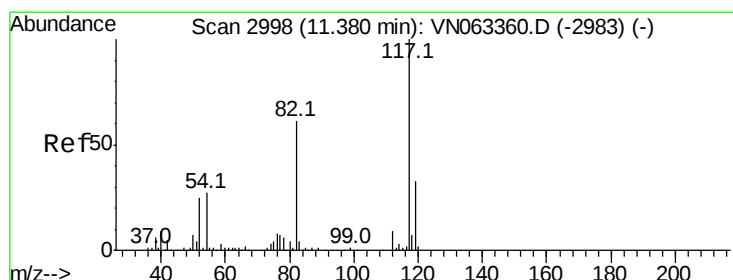
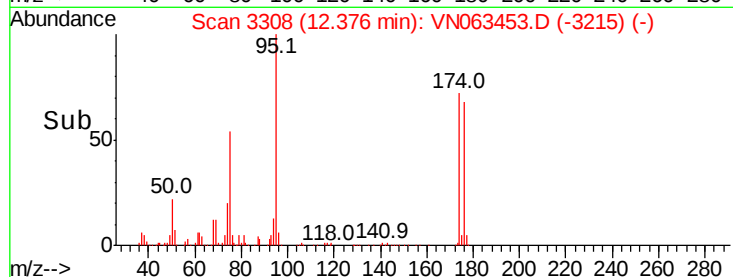
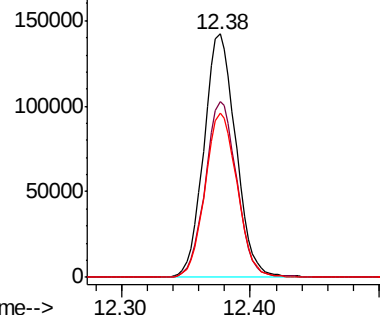
176 67.9 0.0 137.6



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: VN063453.D

Acq: 18 Sep 2020 13:26

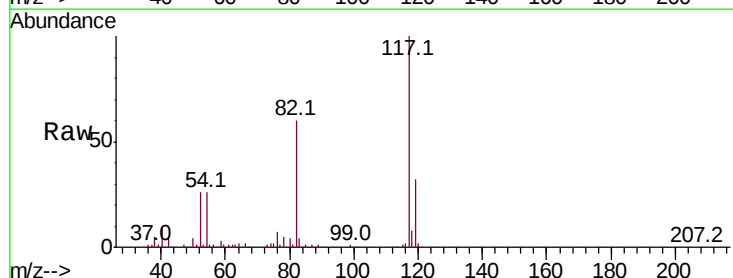
Tgt Ion: 117 Resp: 461655

Ion Ratio Lower Upper

117 100

82 60.4 49.2 73.8

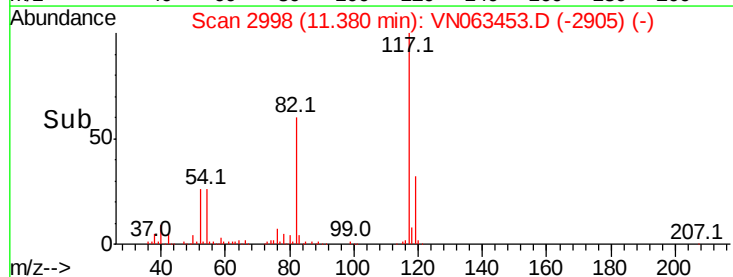
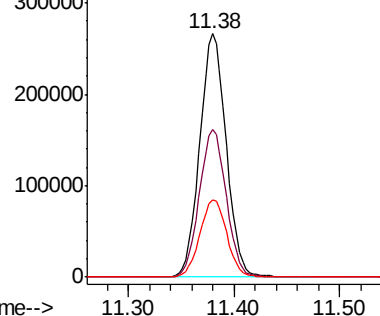
119 32.0 26.2 39.4

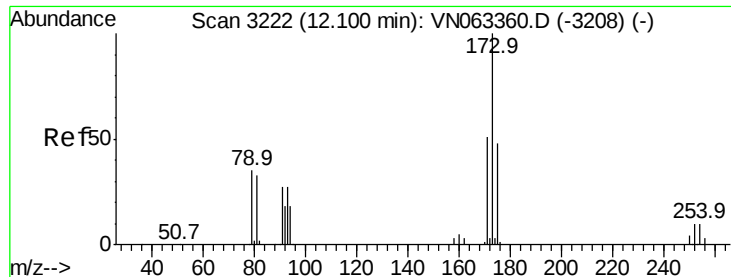


Abundance Ion 116.90 (116.60 to 117.60): VN063360.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063360.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063360.D (-2983) (-)

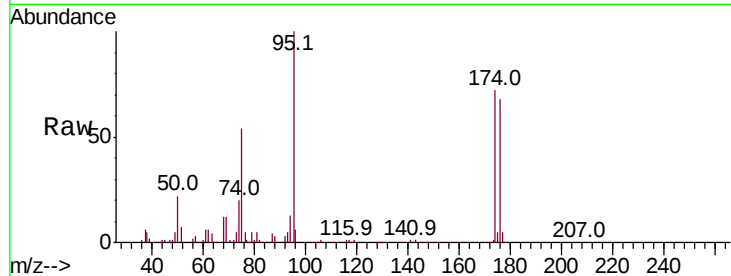




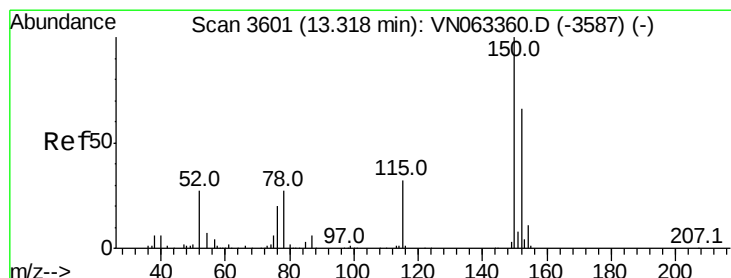
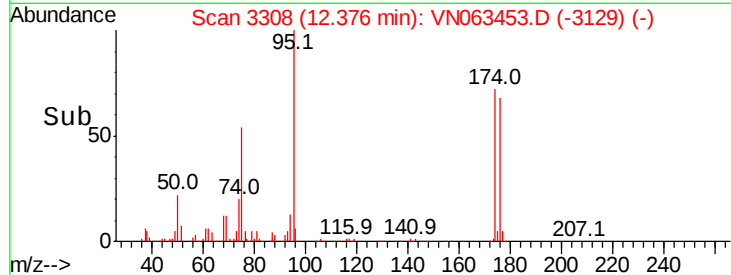
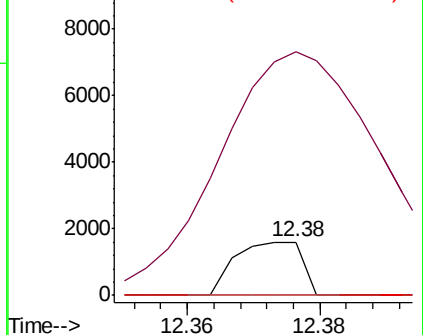
#71
Bromoform
Concen: 0.414 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. 0.28 min
Lab File: VN063453.D
Acq: 18 Sep 2020 13:26

Instrument :
MSVOA_N
ClientSampleId :
PB131709ZHE#19

Tot Ion:173 Resp: 1107
Ion Ratio Lower Upper
173 100
175 922.9 24.0 72.0#
254 0.0 0.0 0.0

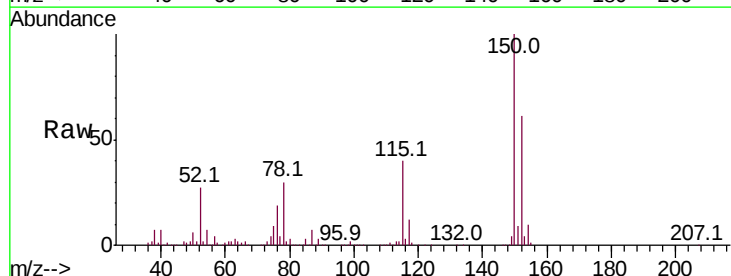


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

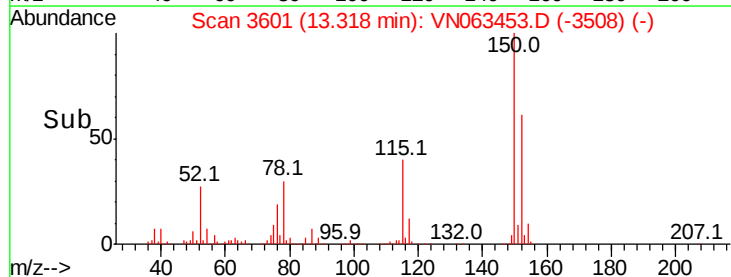
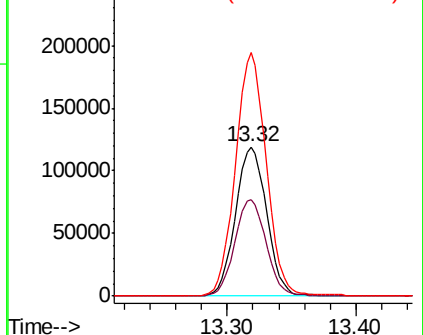


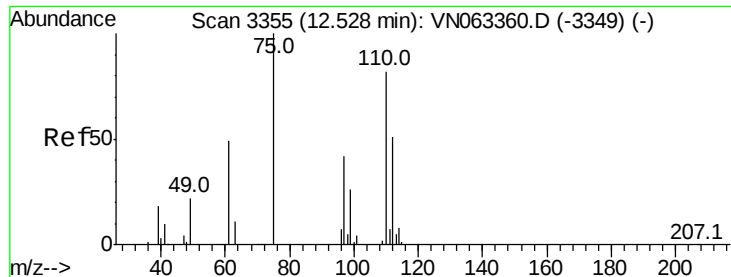
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063453.D
Acq: 18 Sep 2020 13:26

Tgt Ion:152 Resp: 201083
Ion Ratio Lower Upper
152 100
115 64.8 32.2 96.6
150 160.1 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: 26.905 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063453.D

Acq: 18 Sep 2020 13:26

Instrument :

MSVOA_N

ClientSampleId :

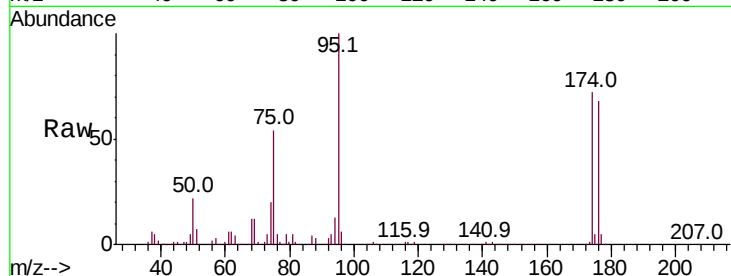
PB131709ZHE#19

Tot Ion: 75 Resp: 133910

Ion Ratio Lower Upper

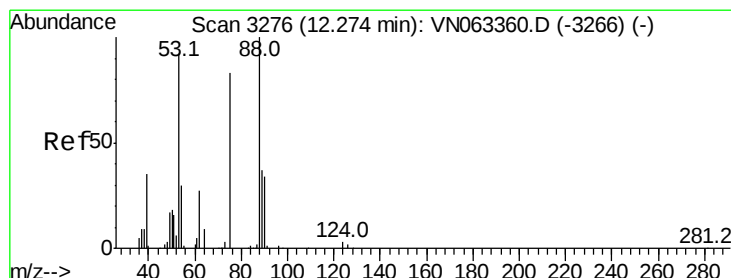
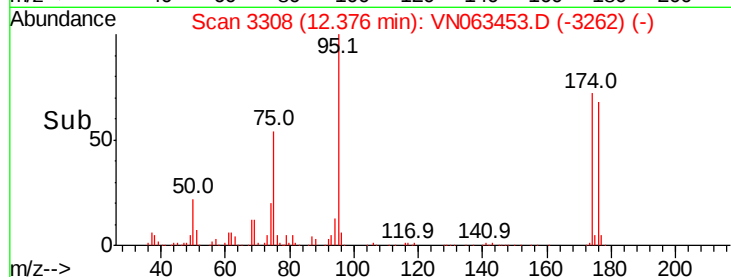
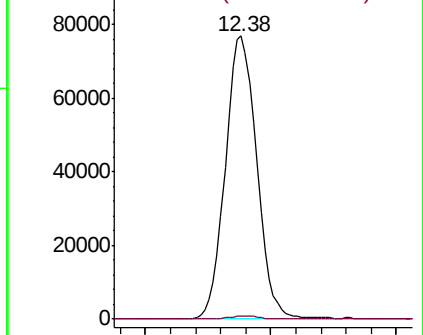
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 73.764 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063453.D

Acq: 18 Sep 2020 13:26

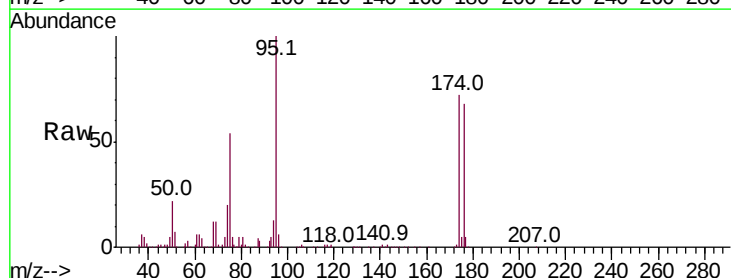
Tgt Ion: 75 Resp: 133910

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): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

