

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063559.D
 Acq On : 23 Sep 2020 2:51
 Operator : JC/MD
 Sample : PB131779ZHE#11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131779ZHE#11

Quant Time: Sep 23 05:52:17 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	215882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	409209	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	407181	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	175609	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	184247	50.14	ug/l	0.00
Spiked Amount			Recovery	=	100.28%	
35) Dibromofluoromethane	7.55	113	132430	46.75	ug/l	0.00
Spiked Amount			Recovery	=	93.50%	
50) Toluene-d8	10.06	98	519280	48.75	ug/l	0.00
Spiked Amount			Recovery	=	97.50%	
62) 4-Bromofluorobenzene	12.38	95	206001	52.75	ug/l	0.00
Spiked Amount			Recovery	=	105.50%	

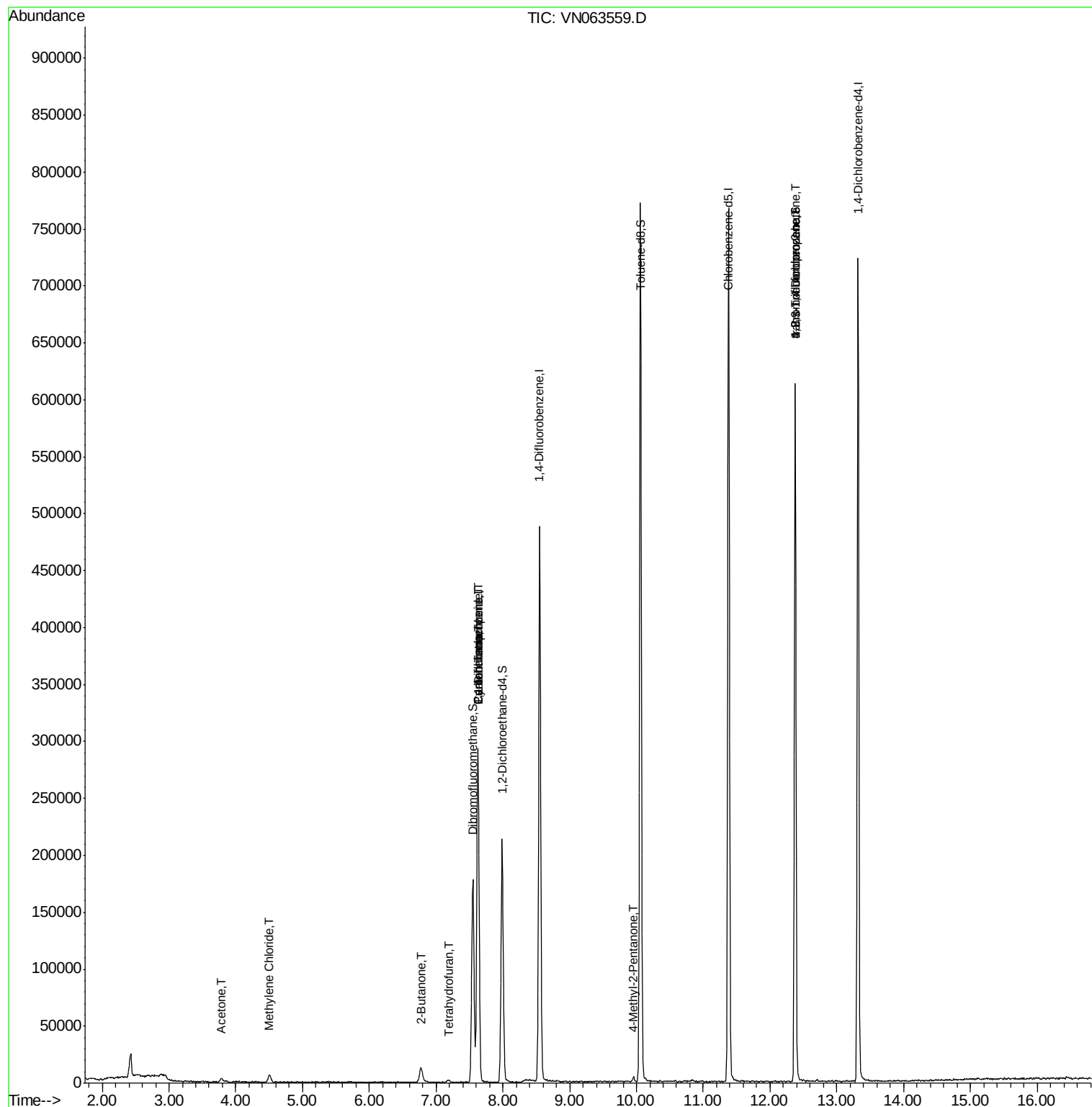
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	5594	4.736	ug/l	92
20) Methylene Chloride	4.51	84	4326	1.446	ug/l #	80
25) 2-Butanone	6.79	43	1634	0.900	ug/l #	51
29) Tetrahydrofuran	7.18	42	1198	0.966	ug/l #	65
31) Cyclohexane	7.63	56	6203	1.222	ug/l #	32
36) 1,1-Dichloropropene	7.62	75	21539	4.941	ug/l #	47
38) Carbon Tetrachloride	7.62	117	24684	5.547	ug/l #	17
51) 4-Methyl-2-Pentanone	9.96	43	2558	0.597	ug/l	90
76) 1,2,3-Trichloropropane	12.38	75	113294	26.065	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	113294	71.461	ug/l #	7

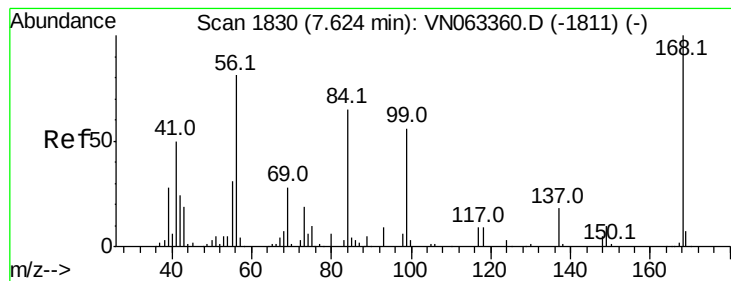
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 16 13:05:20 2020
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: VN063559.D

Acq: 23 Sep 2020 2:51

Instrument :

MSVOA_N

ClientSampleId :

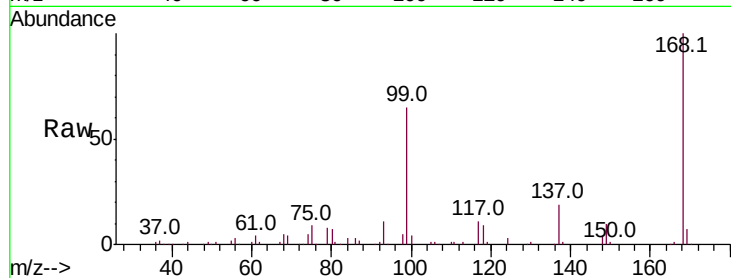
PB131779ZHE#11

Tot Ion:168 Resp: 215882

Ion Ratio Lower Upper

168 100

99 65.0 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

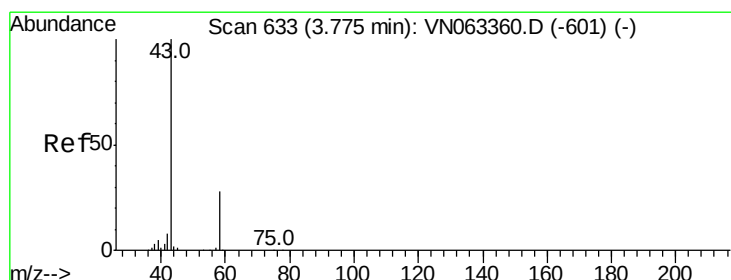
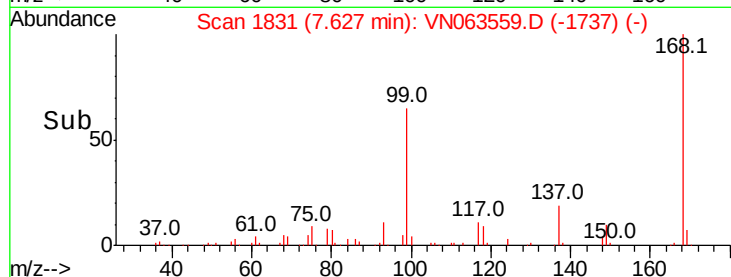
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 4.736 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063559.D

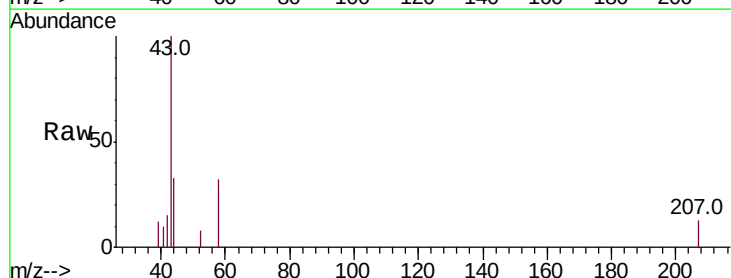
Acq: 23 Sep 2020 2:51

Tgt Ion: 43 Resp: 5594

Ion Ratio Lower Upper

43 100

58 32.0 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN

3.78

2000

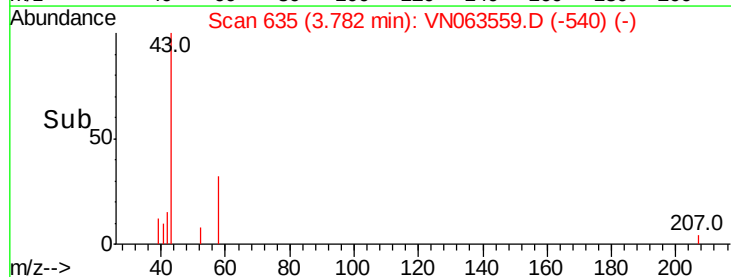
1500

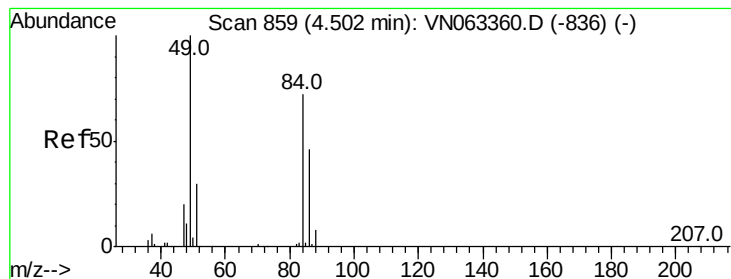
1000

500

0

Time--> 3.70 3.75 3.80 3.85





#20

Methylene Chloride

Concen: 1.446 ug/l

RT: 4.51 min Scan# 861

Delta R.T. 0.01 min

Lab File: VN063559.D

Acq: 23 Sep 2020 2:51

Instrument :

MSVOA_N

ClientSampleId :

PB131779ZHE#11

Tot Ion: 84 Resp: 4326

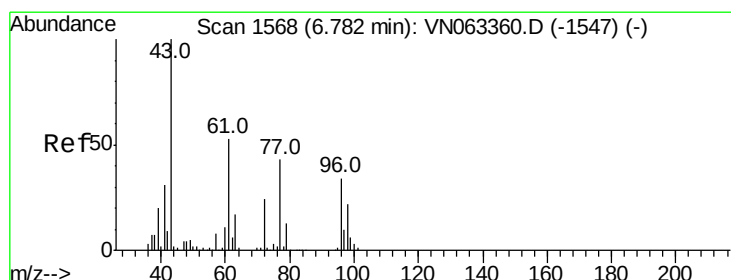
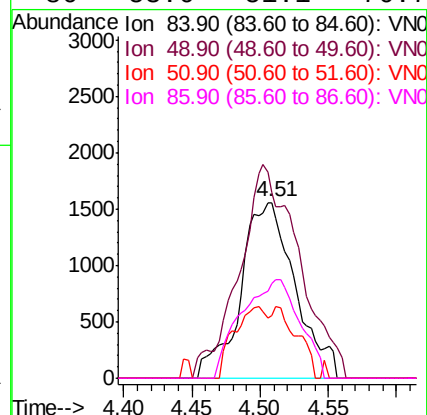
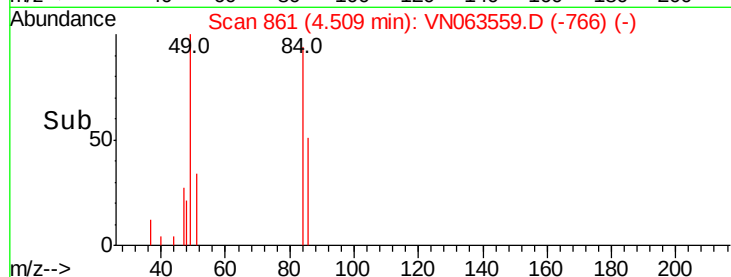
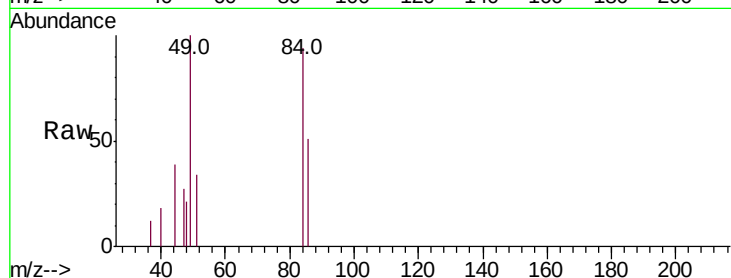
Ion Ratio Lower Upper

84 100

49 106.0 110.7 166.1#

51 35.8 32.9 49.3

86 53.6 51.1 76.7



#25

2-Butanone

Concen: 0.900 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN063559.D

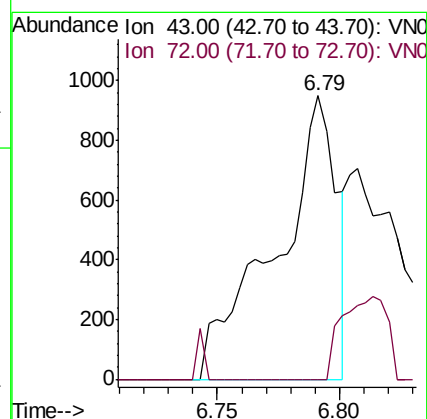
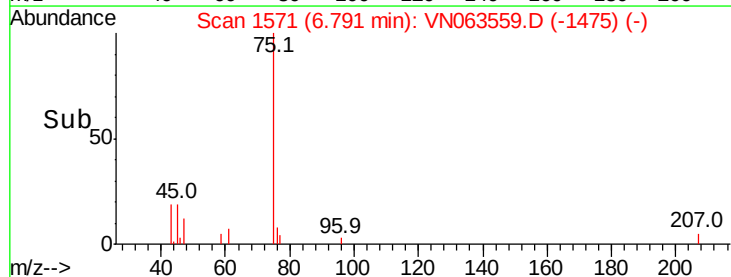
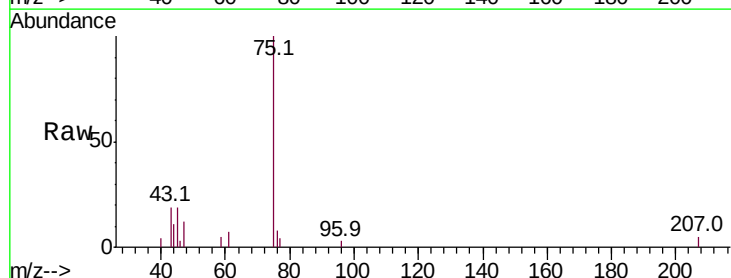
Acq: 23 Sep 2020 2:51

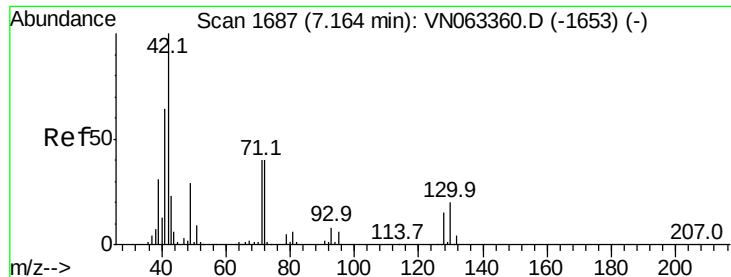
Tgt Ion: 43 Resp: 1634

Ion Ratio Lower Upper

43 100

72 0.0 19.2 28.8#





#29

Tetrahydrofuran

Concen: 0.966 ug/l

RT: 7.18 min Scan# 1693

Delta R.T. 0.02 min

Lab File: VN063559.D

Acq: 23 Sep 2020 2:51

Instrument :

MSVOA_N

ClientSampleId :

PB131779ZHE#11

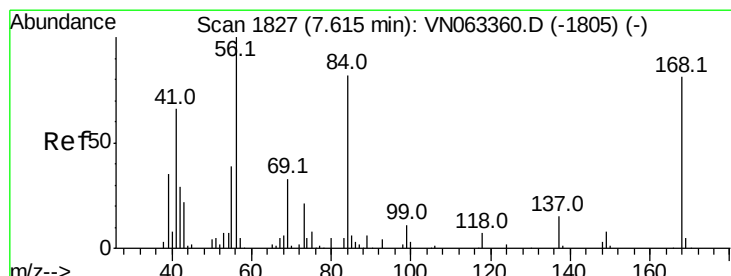
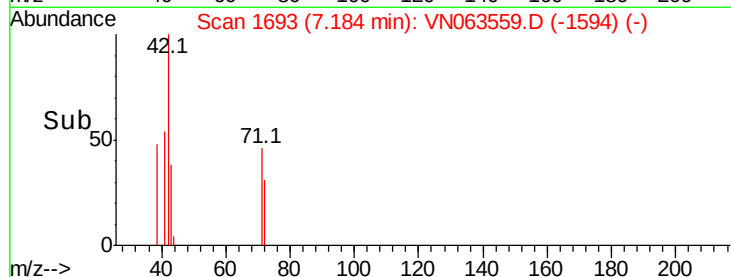
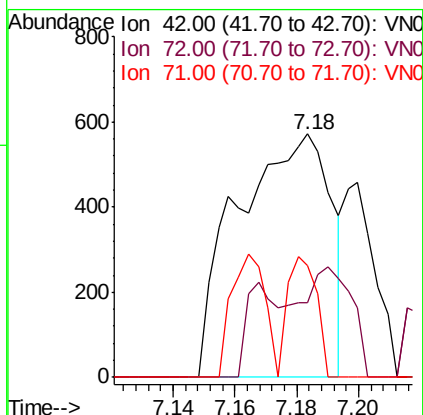
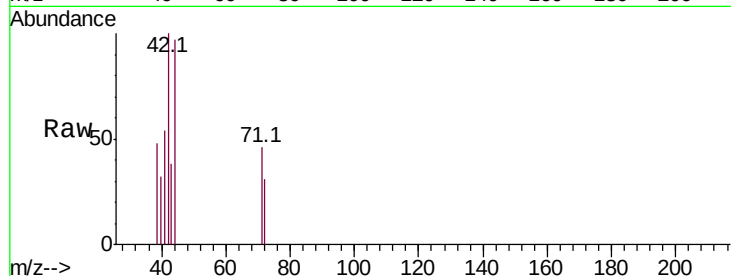
Tot Ion: 42 Resp: 1198

Ion Ratio Lower Upper

42 100

72 20.5 32.1 48.1#

71 15.6 31.2 46.8#



#31

Cyclohexane

Concen: 1.222 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN063559.D

Acq: 23 Sep 2020 2:51

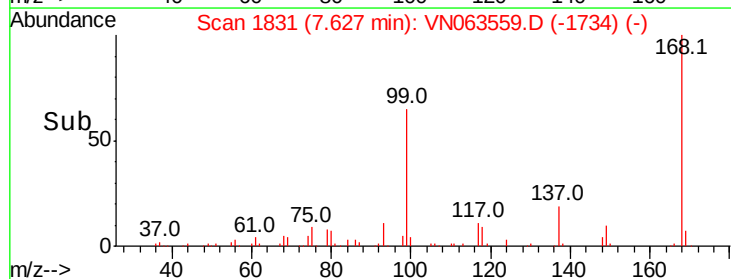
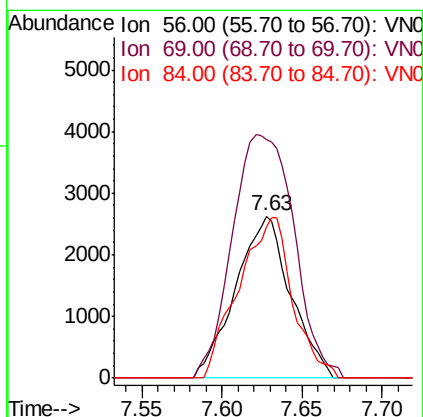
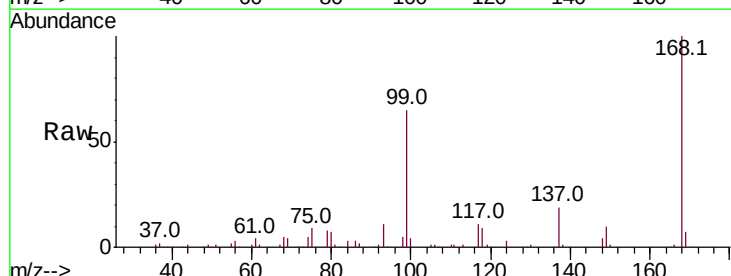
Tgt Ion: 56 Resp: 6203

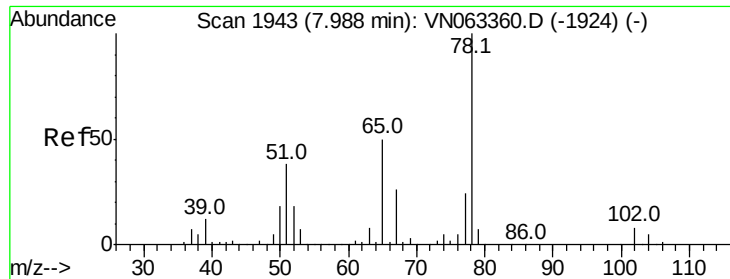
Ion Ratio Lower Upper

56 100

69 147.4 26.1 39.1#

84 93.9 65.4 98.2

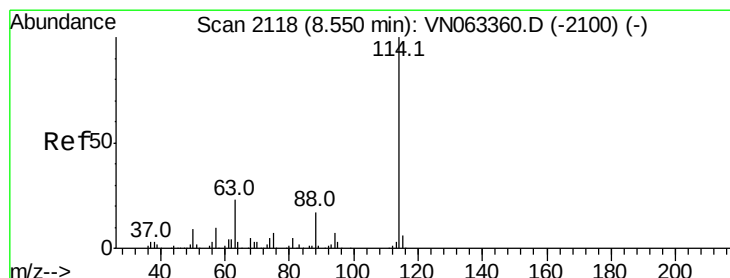
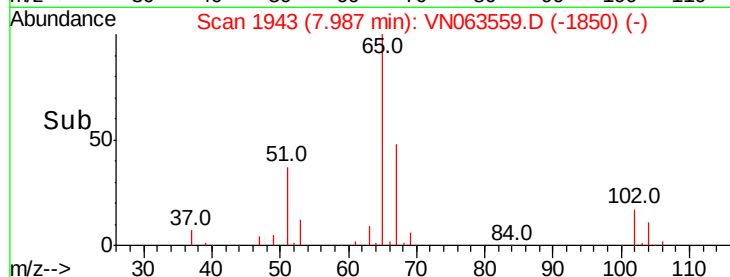
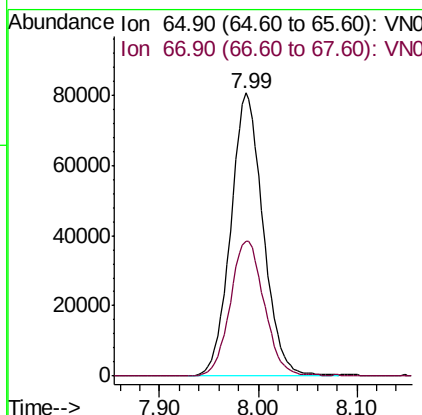
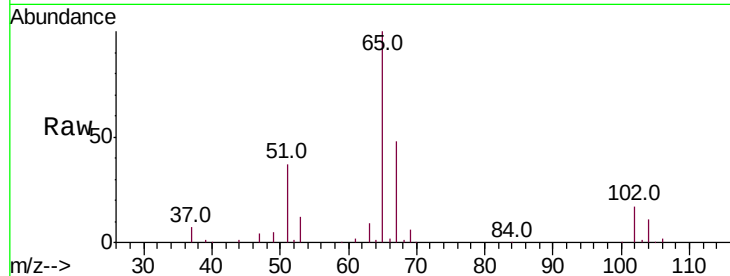




#33
 1,2-Dichloroethane-d4
 Concen: 50.137 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063559.D
 Acq: 23 Sep 2020 2:51

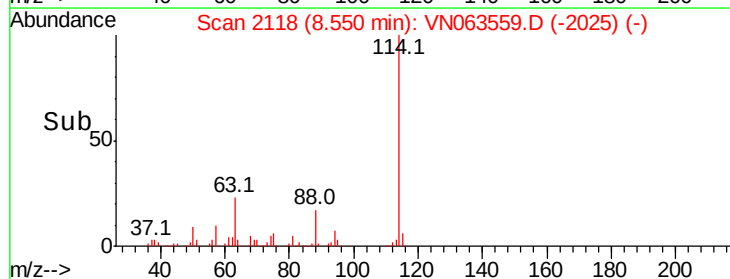
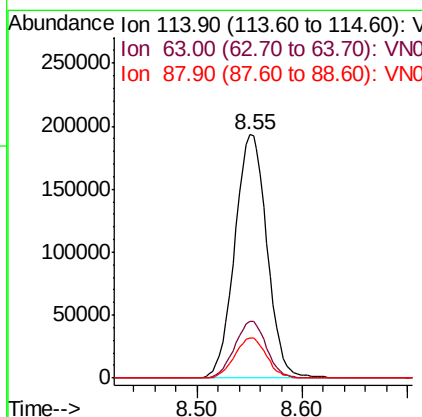
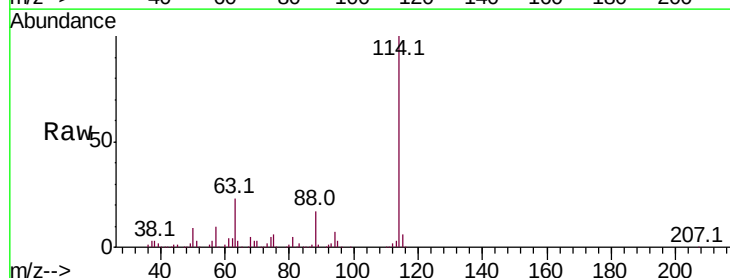
Instrument :
 MSVOA_N
 ClientSampleId :
 PB131779ZHE#11

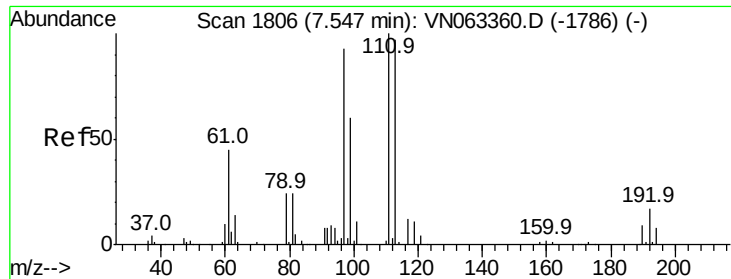
Tot Ion: 65 Resp: 184247
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063559.D
 Acq: 23 Sep 2020 2:51

Tgt Ion: 114 Resp: 409209
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 46.4
 88 16.6 0.0 33.2

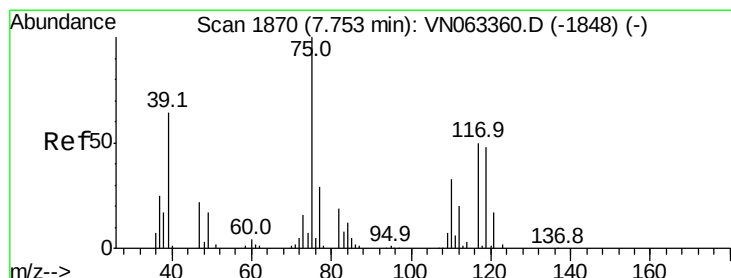
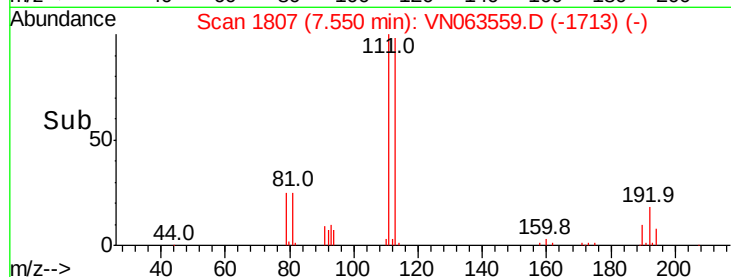
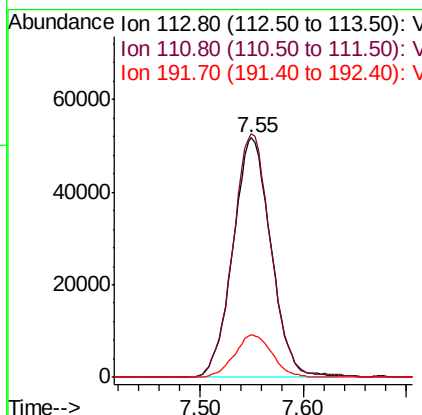
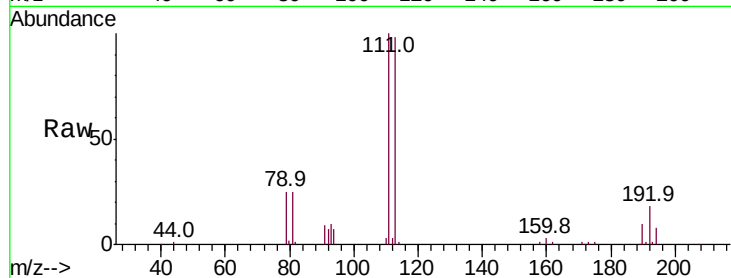




#35
 Dibromofluoromethane
 Concen: 46.748 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063559.D
 Acq: 23 Sep 2020 2:51

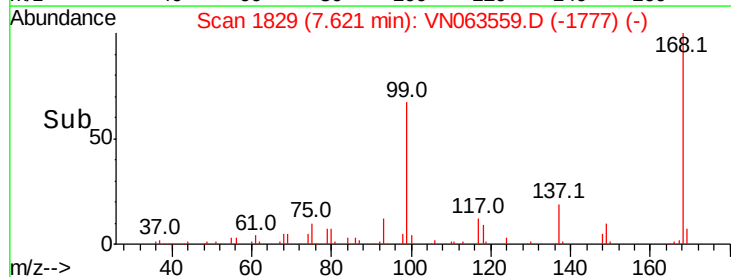
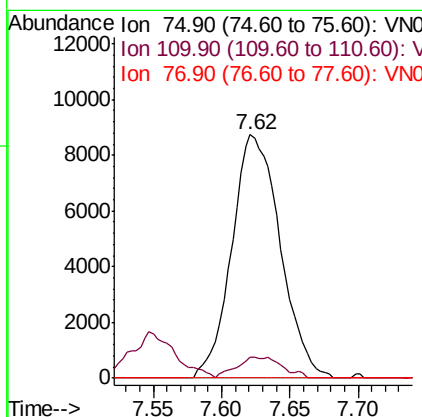
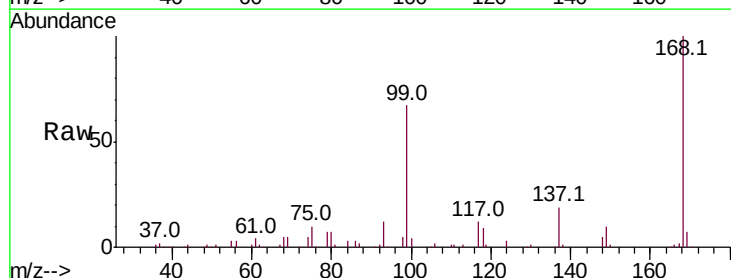
Instrument :
 MSVOA_N
 ClientSampleId :
 PB131779ZHE#11

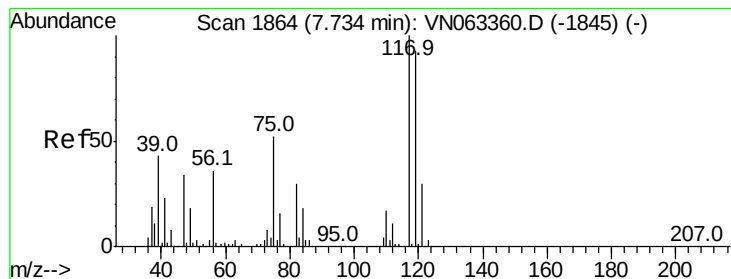
Tot Ion:113 Resp: 132430
 Ion Ratio Lower Upper
 113 100
 111 101.1 82.9 124.3
 192 17.5 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 4.941 ug/l
 RT: 7.62 min Scan# 1829
 Delta R.T. -0.13 min
 Lab File: VN063559.D
 Acq: 23 Sep 2020 2:51

Tgt Ion: 75 Resp: 21539
 Ion Ratio Lower Upper
 75 100
 110 4.2 16.5 49.5#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 5.547 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063559.D

Acq: 23 Sep 2020 2:51

Instrument :

MSVOA_N

ClientSampleId :

PB131779ZHE#11

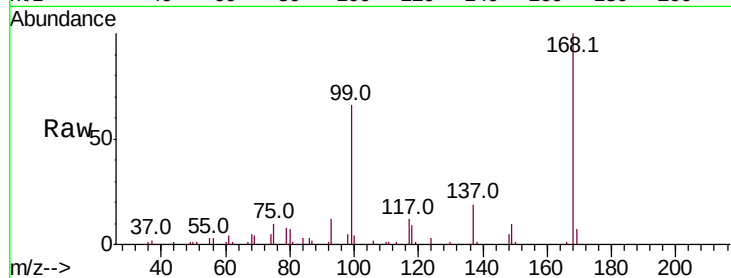
Tot Ion:117 Resp: 24684

Ion Ratio Lower Upper

117 100

119 4.9 74.5 111.7#

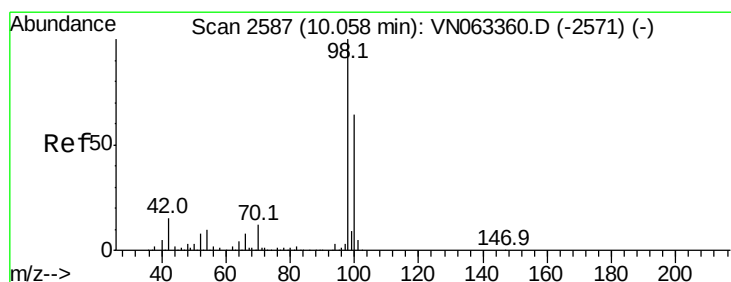
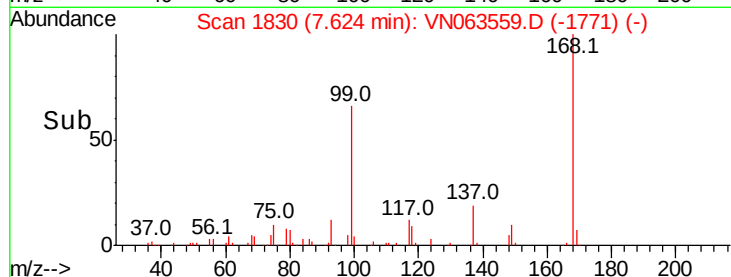
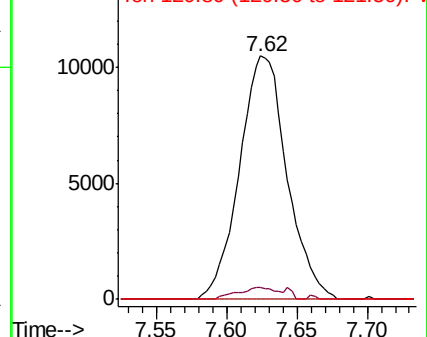
121 0.0 24.1 36.1#



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



#50

Toluene-d8

Concen: 48.749 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063559.D

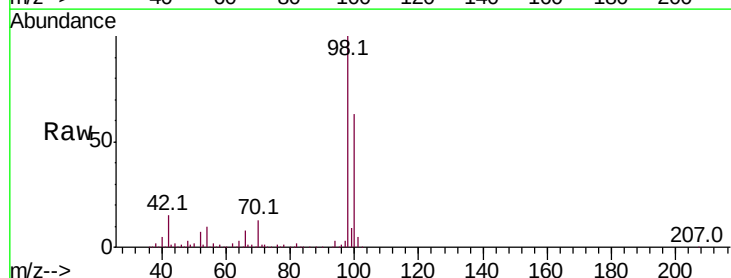
Acq: 23 Sep 2020 2:51

Tgt Ion: 98 Resp: 519280

Ion Ratio Lower Upper

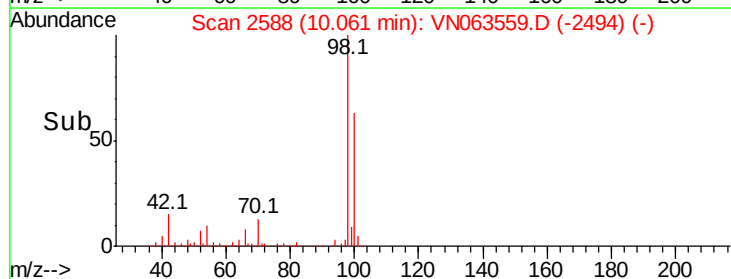
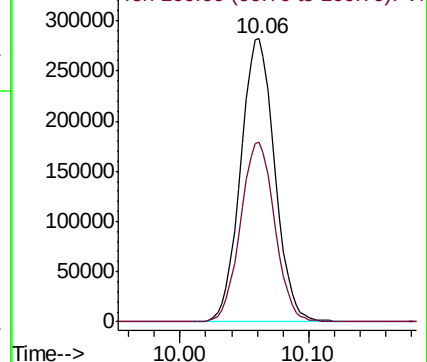
98 100

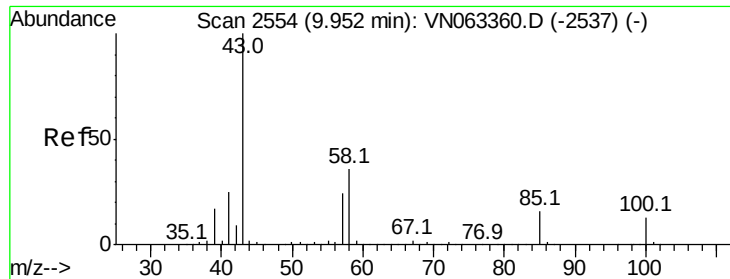
100 63.6 50.7 76.1



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: 0.597 ug/l

RT: 9.96 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN063559.D

Acq: 23 Sep 2020 2:51

Instrument :

MSVOA_N

ClientSampleId :

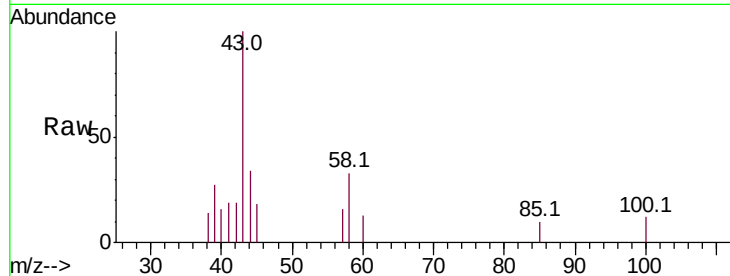
PB131779ZHE#11

Tot Ion: 43 Resp: 2558

Ion Ratio Lower Upper

43 100

58 30.3 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

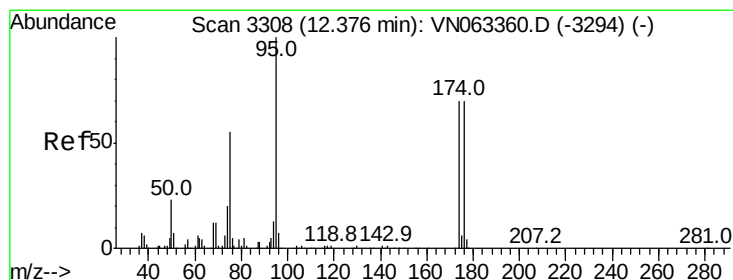
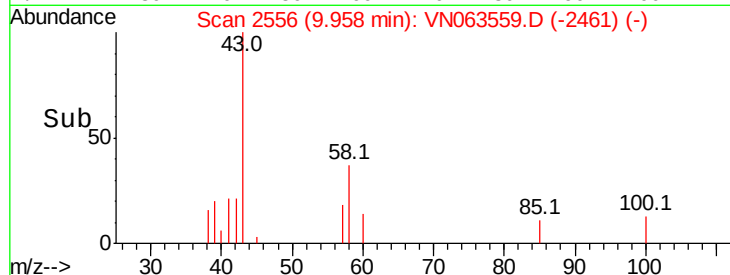
1500

1000

500

0

Time-->



#62

4-Bromofluorobenzene

Concen: 52.755 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063559.D

Acq: 23 Sep 2020 2:51

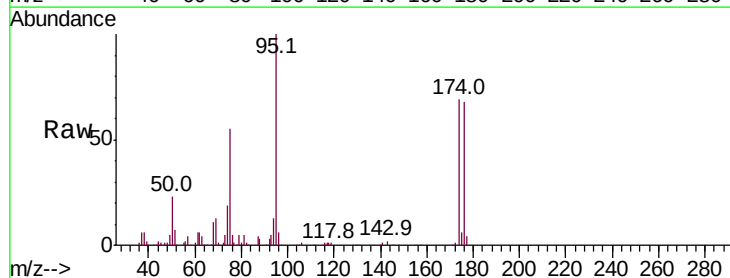
Tgt Ion: 95 Resp: 206001

Ion Ratio Lower Upper

95 100

174 71.4 0.0 140.8

176 69.8 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

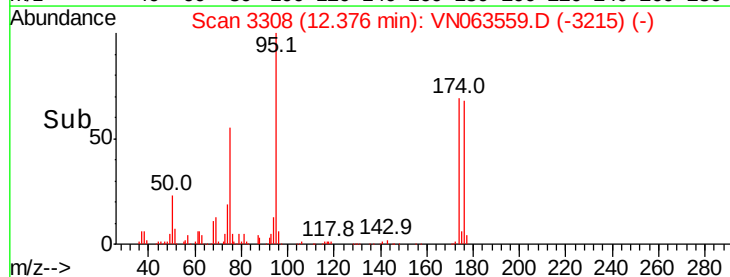
150000

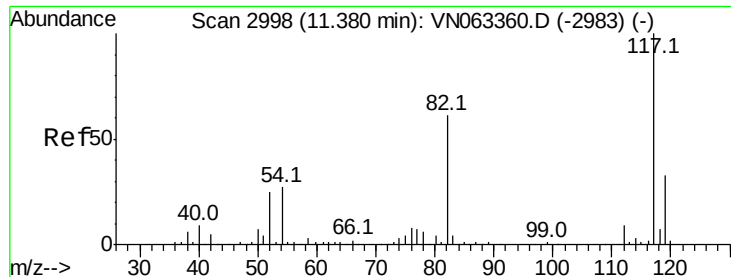
100000

50000

0

Time-->

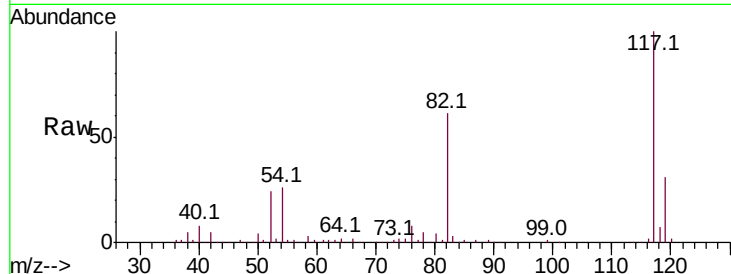




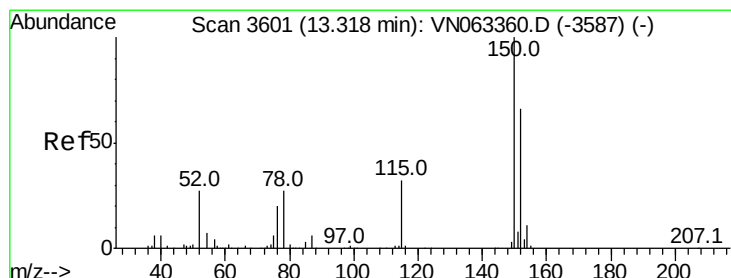
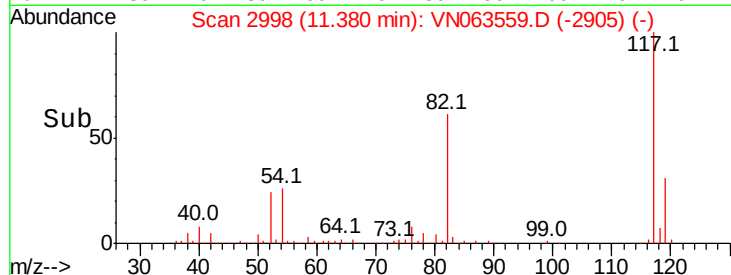
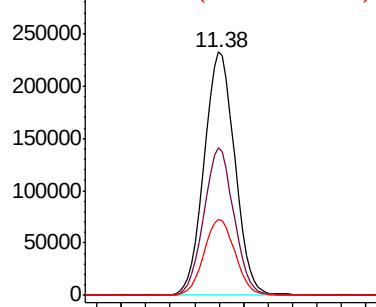
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063559.D
Acq: 23 Sep 2020 2:51

Instrument :
MSVOA_N
ClientSampleId :
PB131779ZHE#11

Tot Ion:117 Resp: 407181
Ion Ratio Lower Upper
117 100
82 60.7 49.2 73.8
119 31.0 26.2 39.4

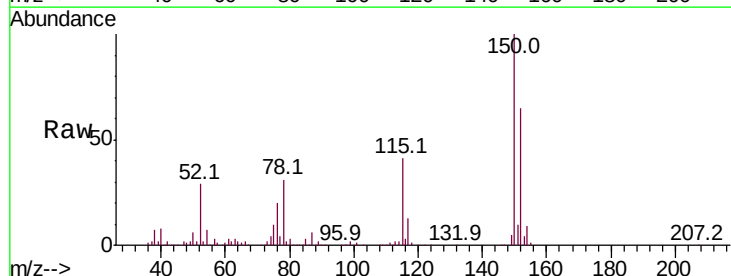


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

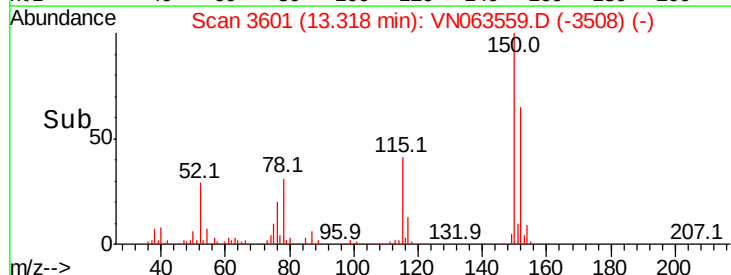
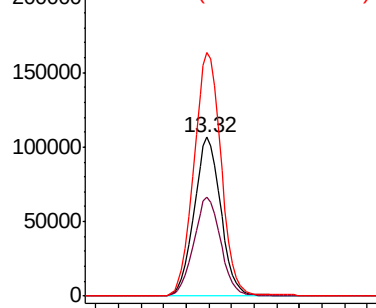


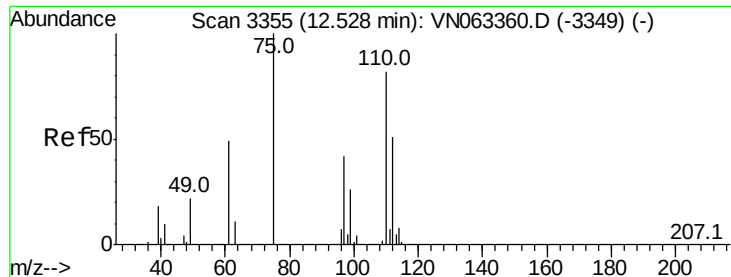
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063559.D
Acq: 23 Sep 2020 2:51

Tgt Ion:152 Resp: 175609
Ion Ratio Lower Upper
152 100
115 62.7 32.2 96.6
150 155.2 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: 26.065 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063559.D

Acq: 23 Sep 2020 2:51

Instrument :

MSVOA_N

ClientSampleId :

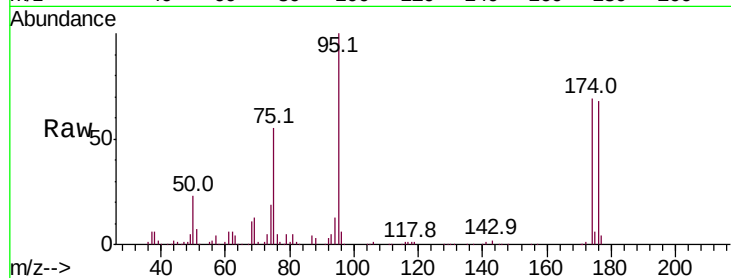
PB131779ZHE#11

Tot Ion: 75 Resp: 113294

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.38

80000

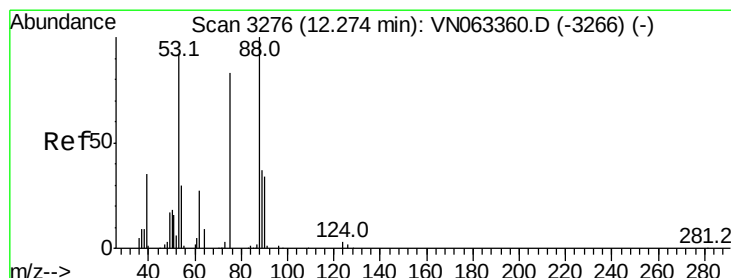
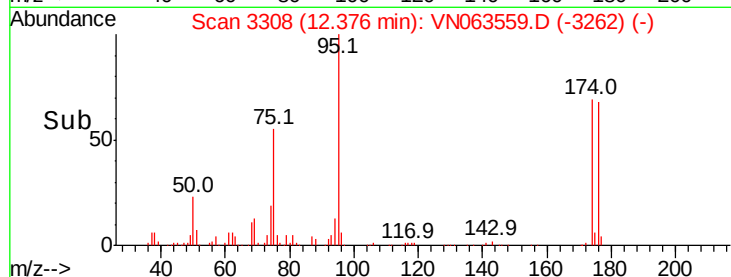
60000

40000

20000

0

Time--> 12.30 12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 71.461 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063559.D

Acq: 23 Sep 2020 2:51

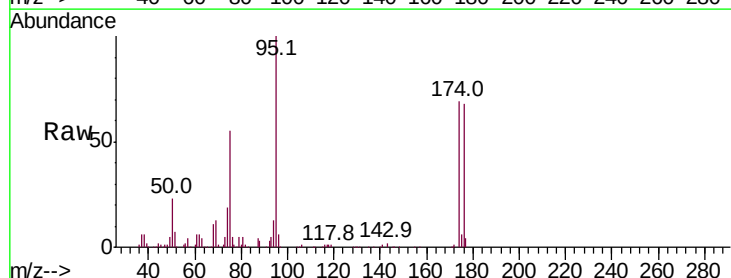
Tgt Ion: 75 Resp: 113294

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.38

80000

60000

40000

20000

0

Time--> 12.30 12.35 12.40 12.45

