

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063560.D
 Acq On : 23 Sep 2020 3:15
 Operator : JC/MD
 Sample : PB131779ZHE#12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131779ZHE#12

Quant Time: Sep 23 05:52:24 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	204531	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	389297	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	387138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	161633	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	173150	49.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.46%	
35) Dibromofluoromethane	7.55	113	127330	47.25	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.50%	
50) Toluene-d8	10.06	98	494330	48.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.56%	
62) 4-Bromofluorobenzene	12.38	95	186804	50.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.58%	

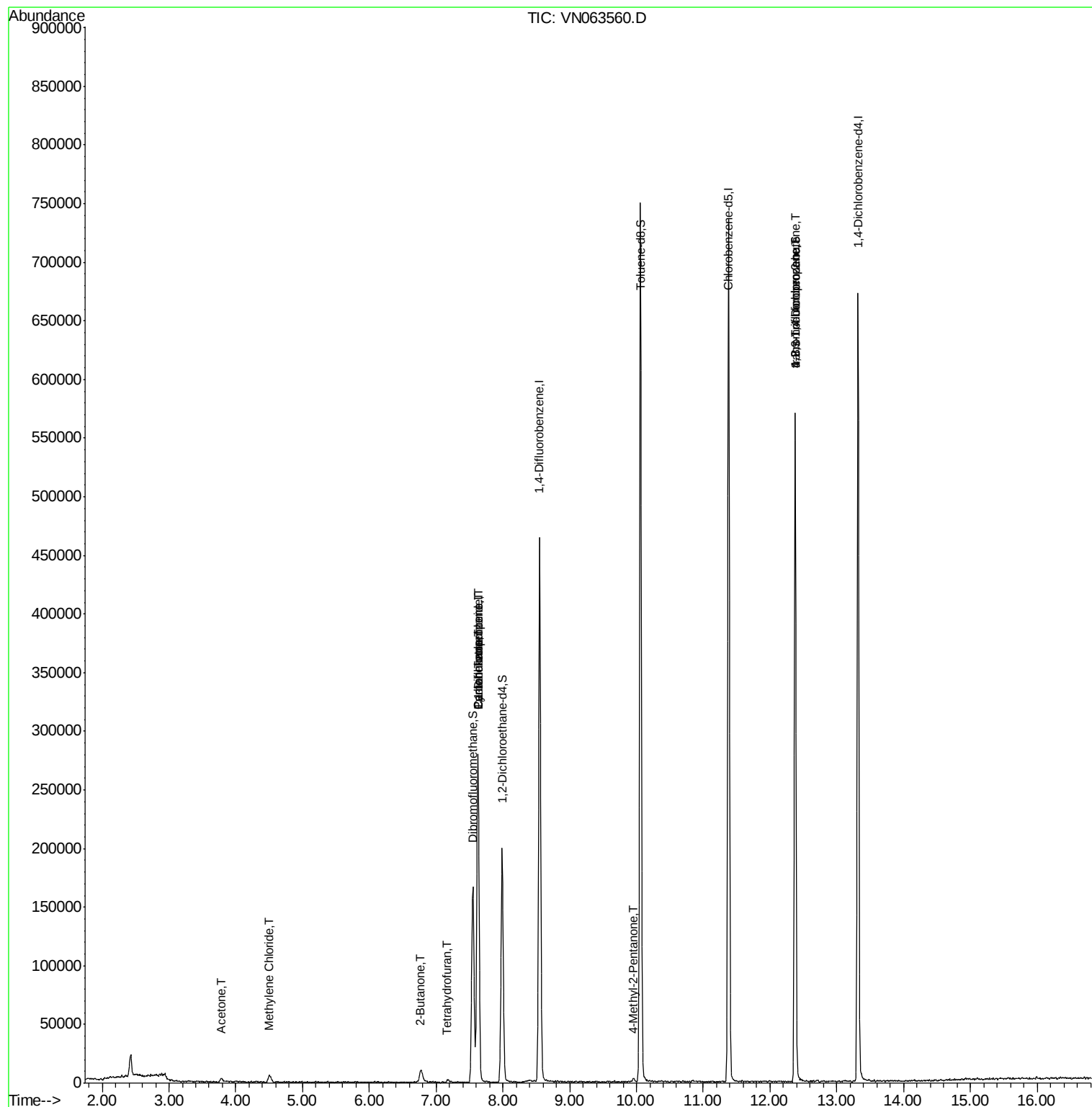
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	5483	4.900	ug/l	94
20) Methylene Chloride	4.51	84	2155	0.760	ug/l #	67
25) 2-Butanone	6.77	43	655	0.381	ug/l #	51
29) Tetrahydrofuran	7.17	42	403	0.343	ug/l #	85
31) Cyclohexane	7.62	56	6384	1.328	ug/l #	33
36) 1,1-Dichloropropene	7.63	75	19307	4.655	ug/l #	45
38) Carbon Tetrachloride	7.62	117	23627	5.581	ug/l #	17
51) 4-Methyl-2-Pentanone	9.96	43	2498	0.613	ug/l #	79
76) 1,2,3-Trichloropropane	12.38	75	105780	26.441	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	105780	72.491	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: VN063560.D

Acq: 23 Sep 2020 3:15

Instrument :

MSVOA_N

ClientSampleId :

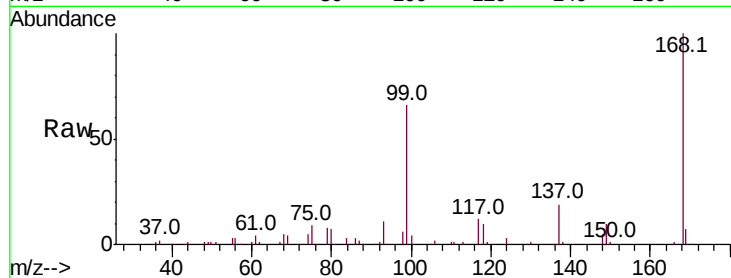
PB131779ZHE#12

Tot Ion:168 Resp: 204531

Ion Ratio Lower Upper

168 100

99 65.9 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

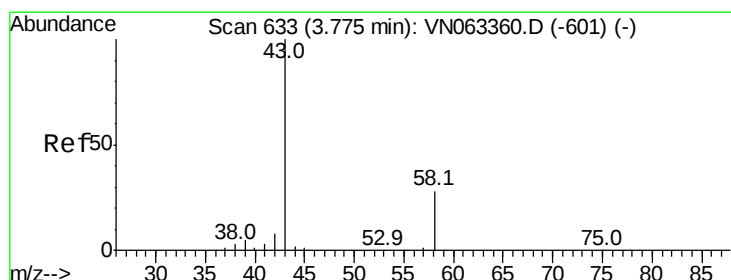
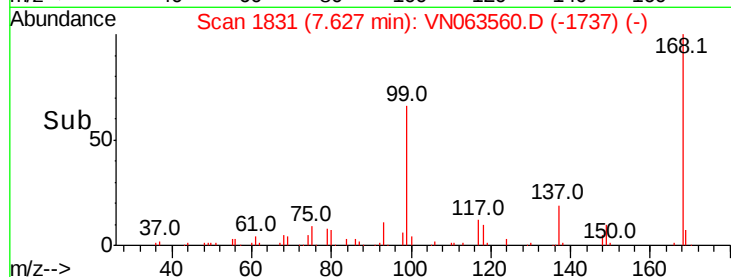
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 4.900 ug/l

RT: 3.78 min Scan# 634

Delta R.T. 0.00 min

Lab File: VN063560.D

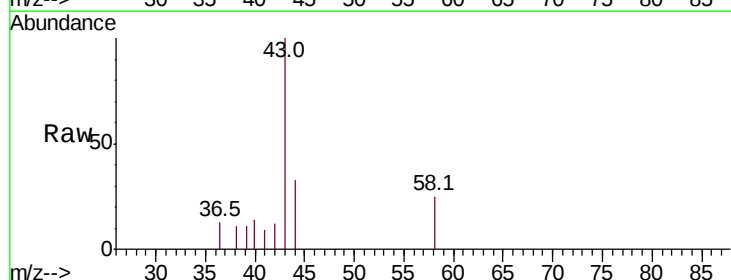
Acq: 23 Sep 2020 3:15

Tgt Ion: 43 Resp: 5483

Ion Ratio Lower Upper

43 100

58 25.0 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.78

2000

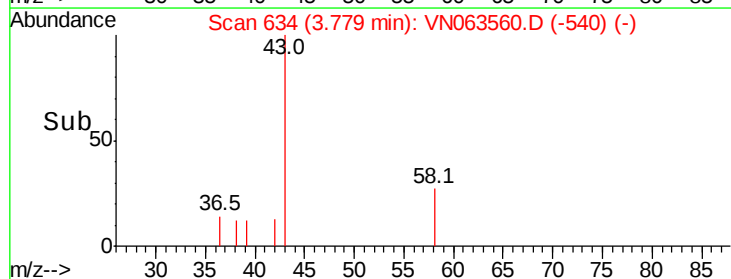
1500

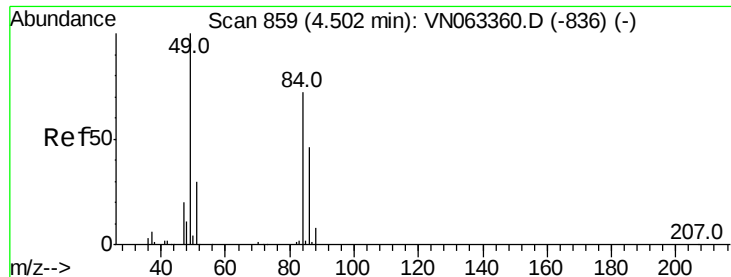
1000

500

0

Time--> 3.70 3.75 3.80 3.85

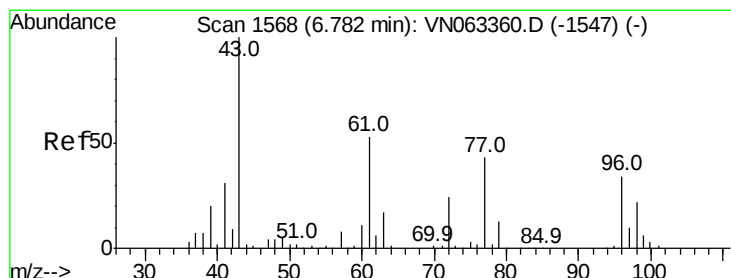
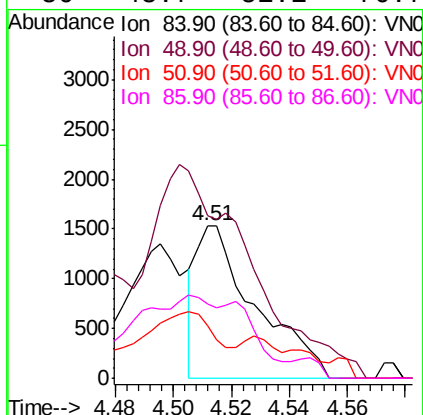
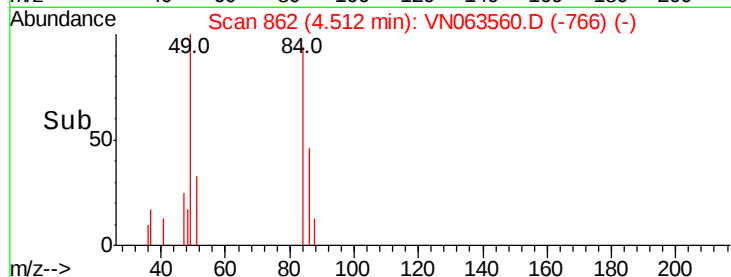
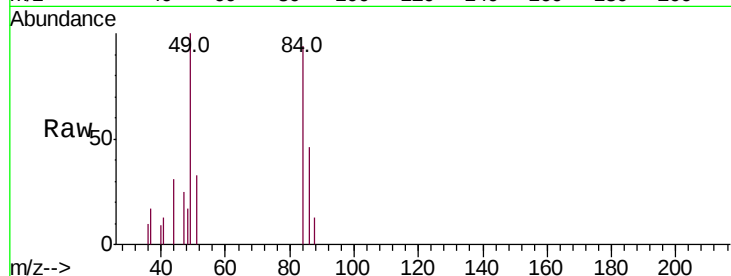




#20
Methvlene Chloride
Concen: 0.760 ug/l
RT: 4.51 min Scan# 862
Delta R.T. 0.01 min
Lab File: VN063560.D
Acq: 23 Sep 2020 3:15

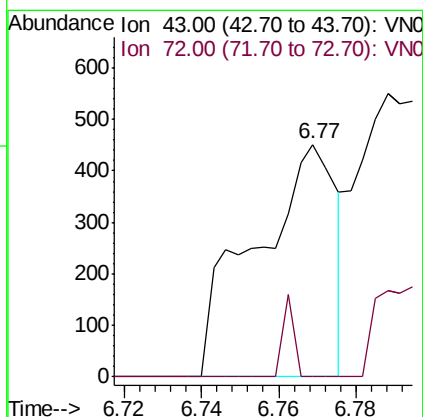
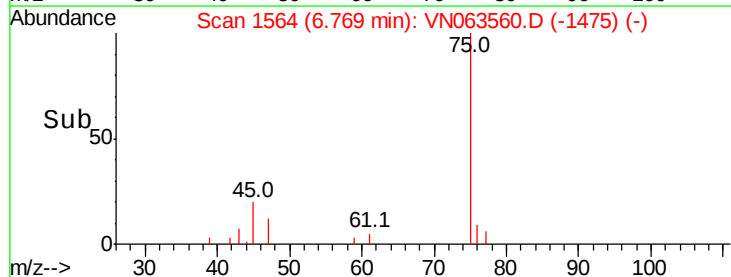
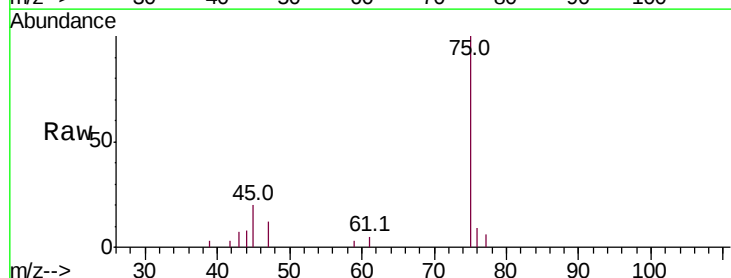
Instrument :
MSVOA_N
ClientSampleId :
PB131779ZHE#12

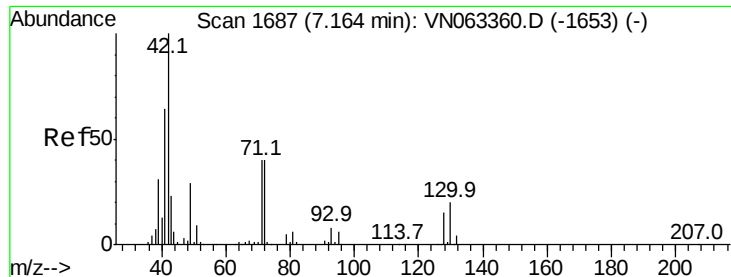
Tot Ion: 84 Resp: 2155
Ion Ratio Lower Upper
84 100
49 90.3 110.7 166.1#
51 21.1 32.9 49.3#
86 48.7 51.1 76.7#



#25
2-Butanone
Concen: 0.381 ug/l
RT: 6.77 min Scan# 1564
Delta R.T. -0.01 min
Lab File: VN063560.D
Acq: 23 Sep 2020 3:15

Tgt Ion: 43 Resp: 655
Ion Ratio Lower Upper
43 100
72 0.0 19.2 28.8#





#29

Tetrahydrofuran

Concen: 0.343 ug/l

RT: 7.17 min Scan# 1688

Delta R.T. 0.00 min

Lab File: VN063560.D

Acq: 23 Sep 2020 3:15

Instrument :

MSVOA_N

ClientSampleId :

PB131779ZHE#12

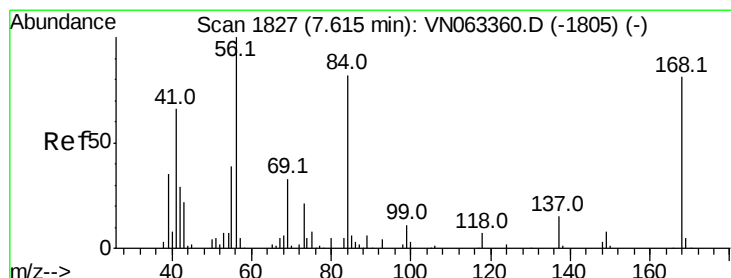
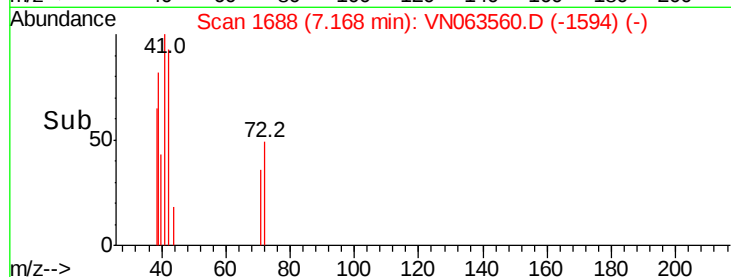
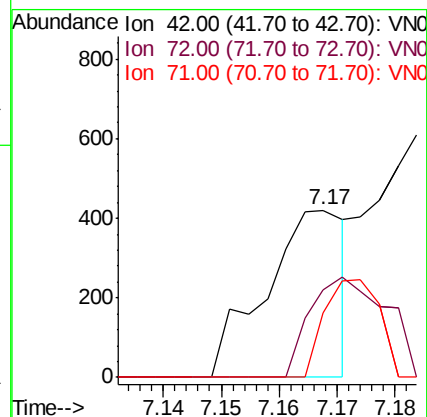
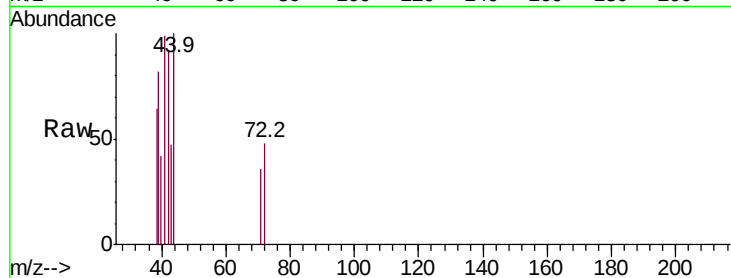
Tot Ion: 42 Resp: 403

Ion Ratio Lower Upper

42 100

72 57.1 32.1 48.1#

71 40.2 31.2 46.8



#31

Cyclohexane

Concen: 1.328 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063560.D

Acq: 23 Sep 2020 3:15

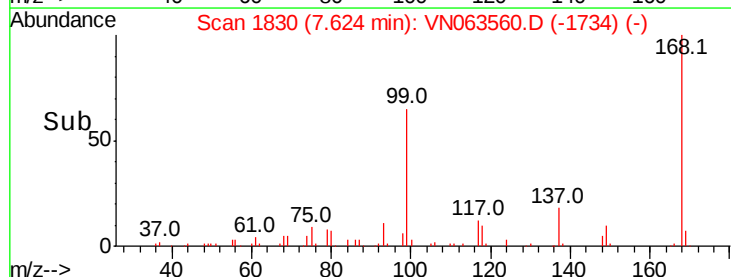
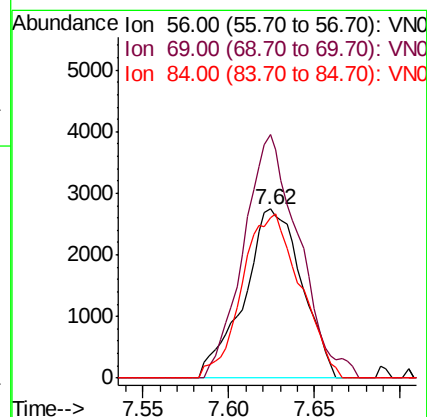
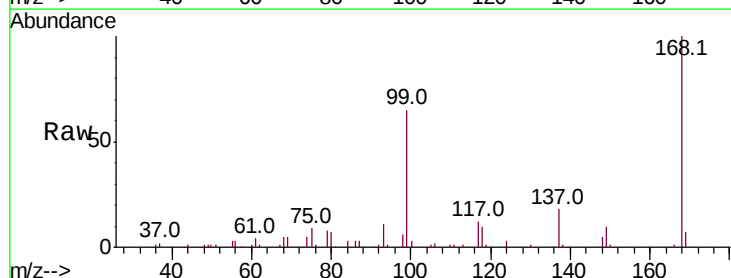
Tgt Ion: 56 Resp: 6384

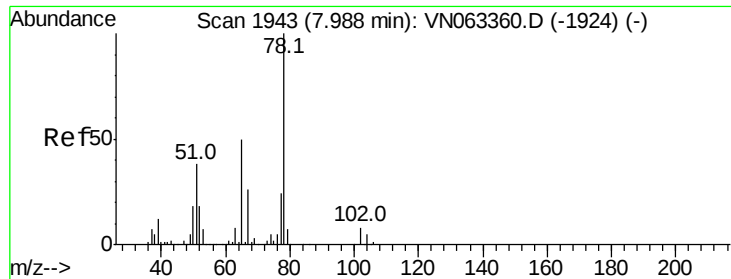
Ion Ratio Lower Upper

56 100

69 144.1 26.1 39.1#

84 95.0 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 49.732 ug/l

RT: 7.99 min Scan# 1943

Delta R.T. -0.00 min

Lab File: VN063560.D

Acq: 23 Sep 2020 3:15

Instrument :

MSVOA_N

ClientSampleId :

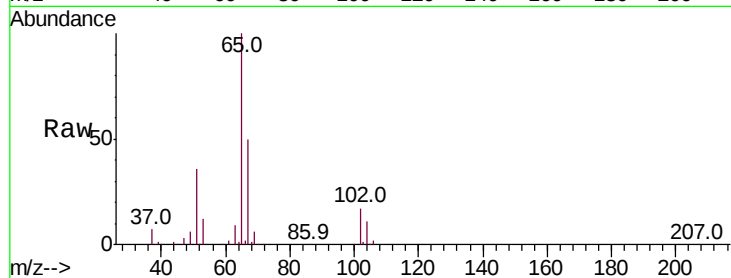
PB131779ZHE#12

Tot Ion: 65 Resp: 173150

Ion Ratio Lower Upper

65 100

67 51.1 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) (-)

7.99

80000

60000

40000

20000

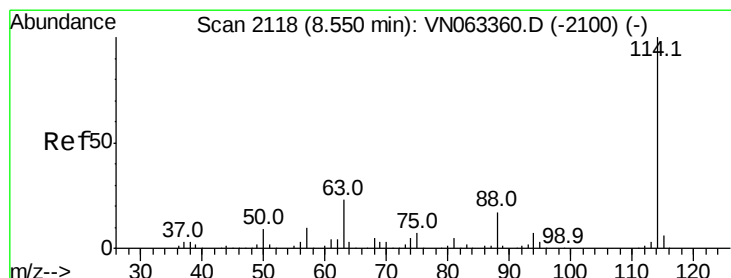
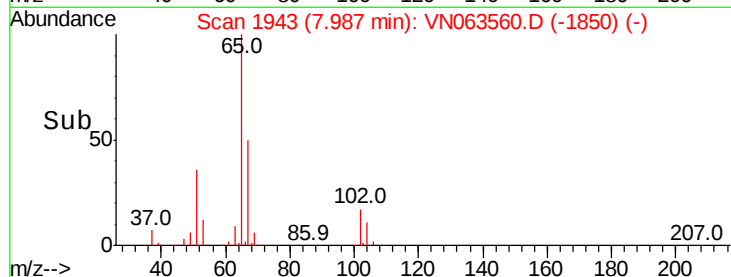
0

7.90

8.00

8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VN063560.D

Acq: 23 Sep 2020 3:15

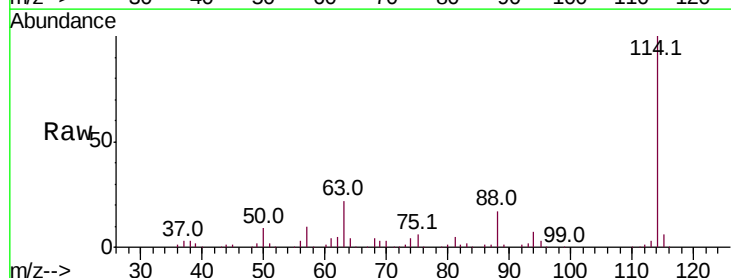
Tgt Ion: 114 Resp: 389297

Ion Ratio Lower Upper

114 100

63 22.3 0.0 46.4

88 16.8 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) (-)

250000

200000

150000

100000

50000

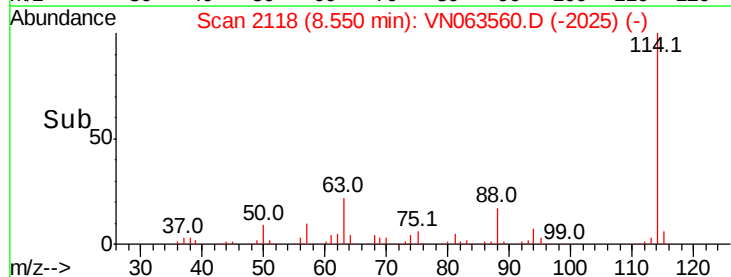
0

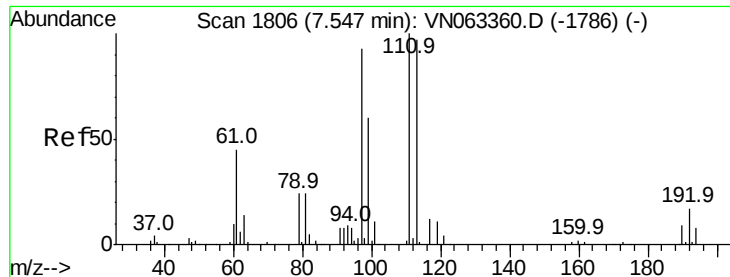
8.50

8.55

8.60

Time-->

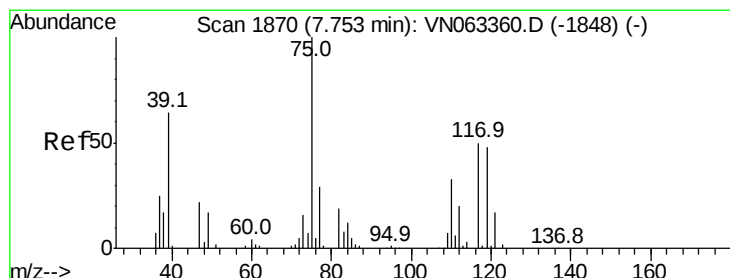
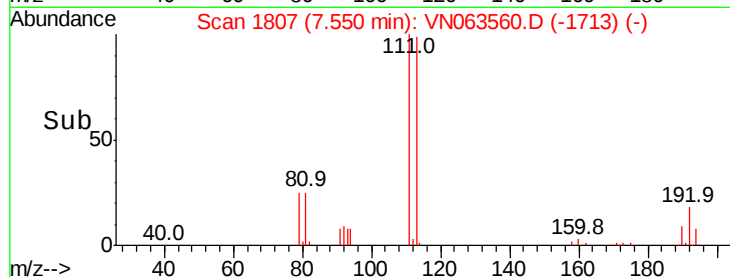
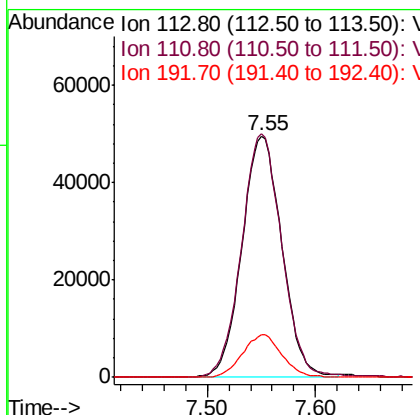
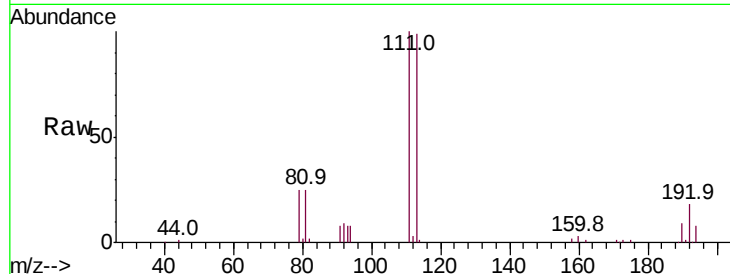




#35
 Dibromofluoromethane
 Concen: 47.246 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063560.D
 Acq: 23 Sep 2020 3:15

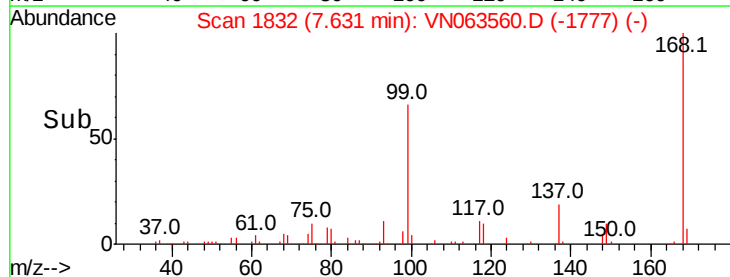
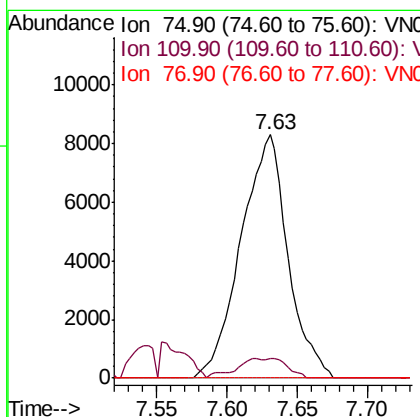
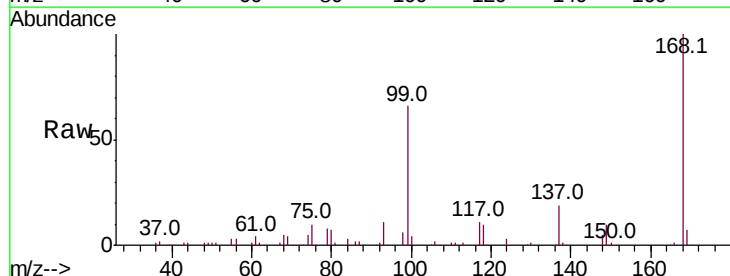
Instrument :
 MSVOA_N
 ClientSampleId :
 PB131779ZHE#12

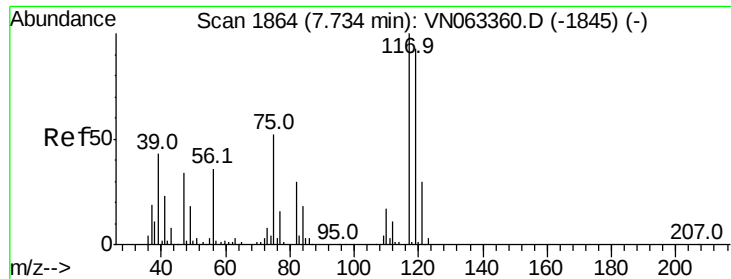
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.9	124.3
192	17.5	13.9	20.9



#36
 1,1-Dichloropropene
 Concen: 4.655 ug/l
 RT: 7.63 min Scan# 1832
 Delta R.T. -0.12 min
 Lab File: VN063560.D
 Acq: 23 Sep 2020 3:15

Tgt Ion	Ratio	Lower	Upper
75	100		
110	2.4	16.5	49.5#
77	0.0	24.6	36.8#





#38

Carbon Tetrachloride

Concen: 5.581 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063560.D

Acq: 23 Sep 2020 3:15

Instrument :

MSVOA_N

ClientSampleId :

PB131779ZHE#12

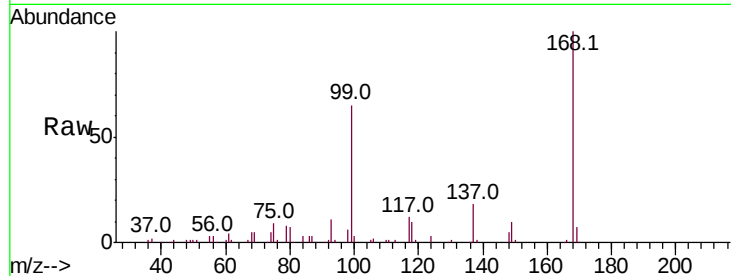
Tot Ion:117 Resp: 23627

Ion Ratio Lower Upper

117 100

119 5.2 74.5 111.7#

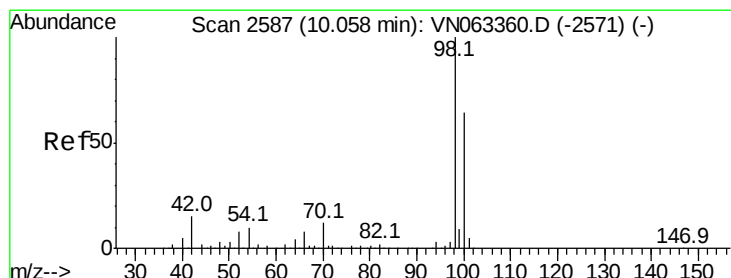
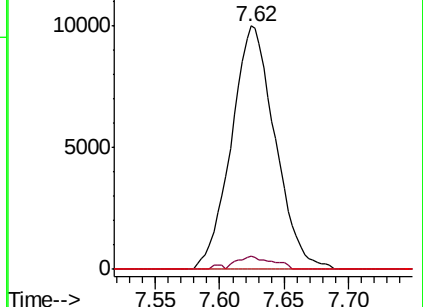
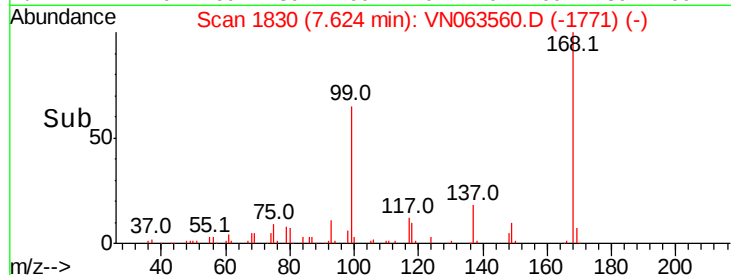
121 0.0 24.1 36.1#



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: 48.780 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063560.D

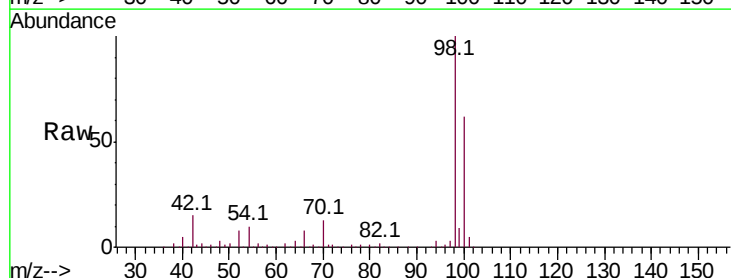
Acq: 23 Sep 2020 3:15

Tgt Ion: 98 Resp: 494330

Ion Ratio Lower Upper

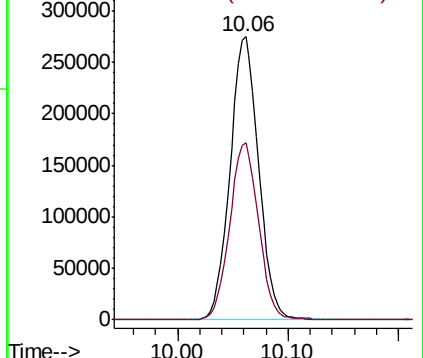
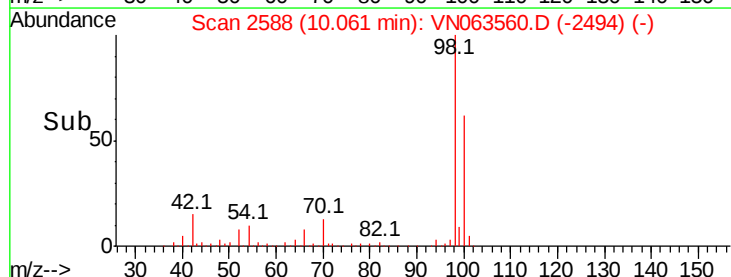
98 100

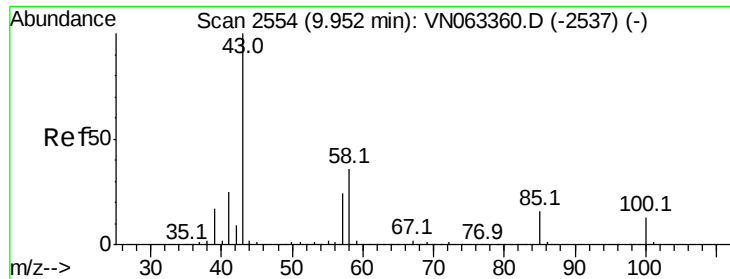
100 63.0 50.7 76.1



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: 0.613 ug/l

RT: 9.96 min Scan# 2556

Delta R.T. 0.01 min

Lab File: VN063560.D

Acq: 23 Sep 2020 3:15

Instrument :

MSVOA_N

ClientSampleId :

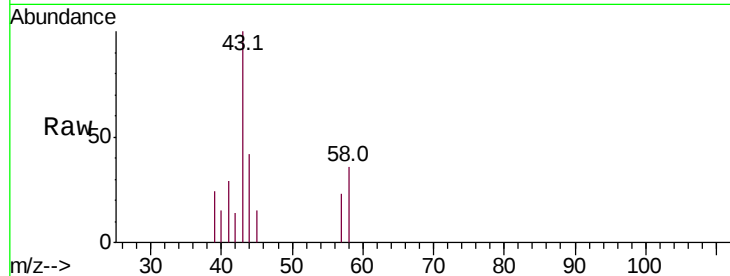
PB131779ZHE#12

Tot Ion: 43 Resp: 2498

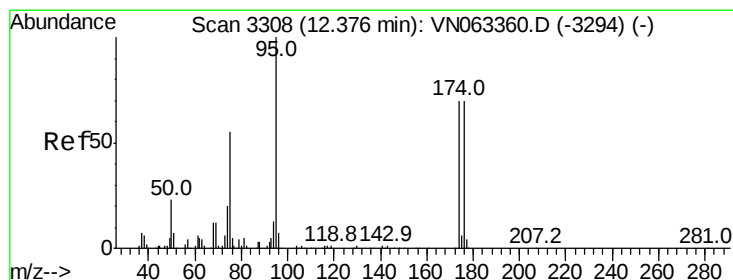
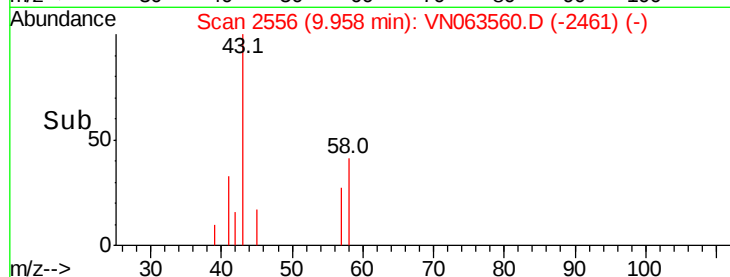
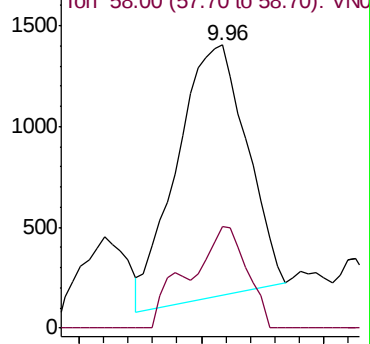
Ion Ratio Lower Upper

43 100

58 24.1 29.0 43.6#



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



#62

4-Bromofluorobenzene

Concen: 50.286 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.00 min

Lab File: VN063560.D

Acq: 23 Sep 2020 3:15

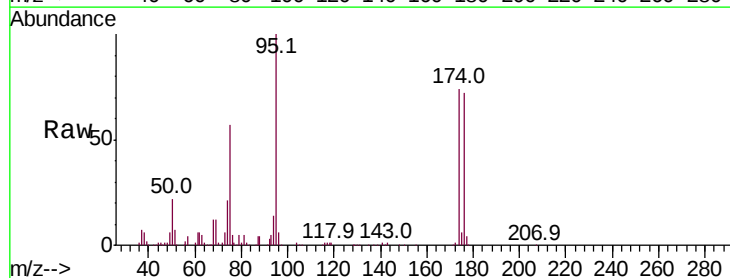
Tgt Ion: 95 Resp: 186804

Ion Ratio Lower Upper

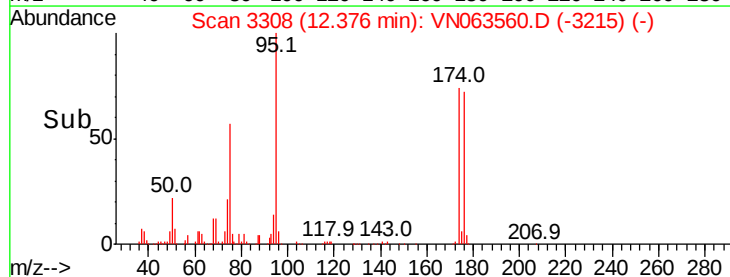
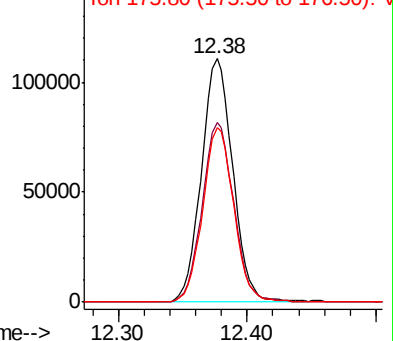
95 100

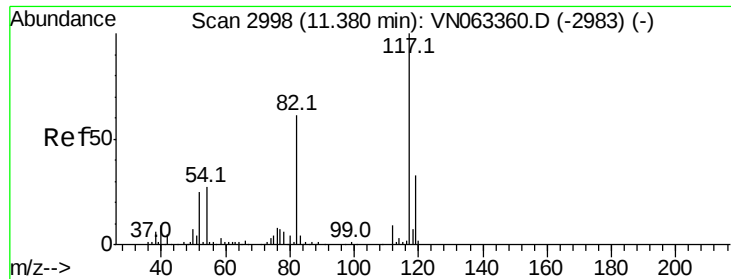
174 74.1 0.0 140.8

176 71.2 0.0 137.6



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

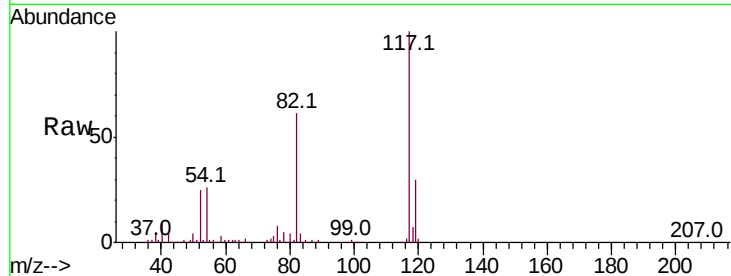




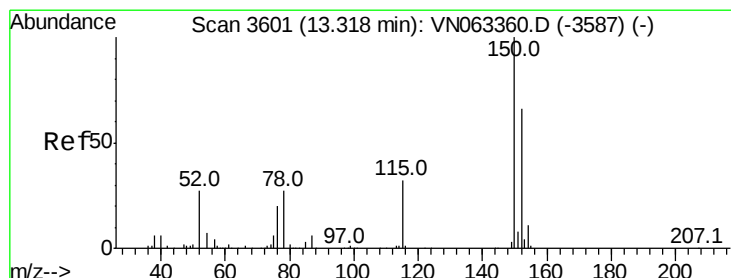
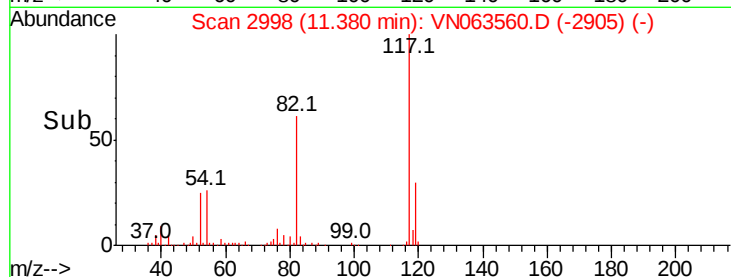
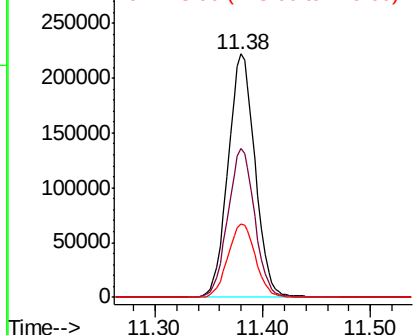
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063560.D
Acq: 23 Sep 2020 3:15

Instrument :
MSVOA_N
ClientSampleId :
PB131779ZHE#12

Tot Ion:117 Resp: 387138
Ion Ratio Lower Upper
117 100
82 61.2 49.2 73.8
119 29.9 26.2 39.4

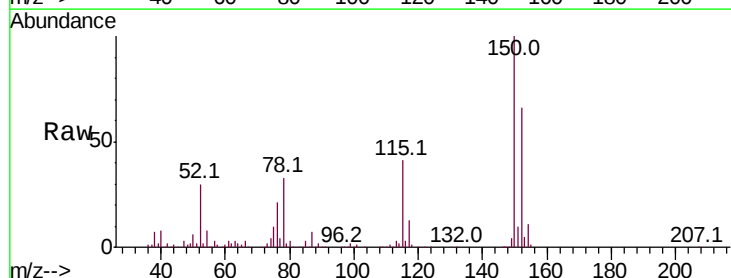


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

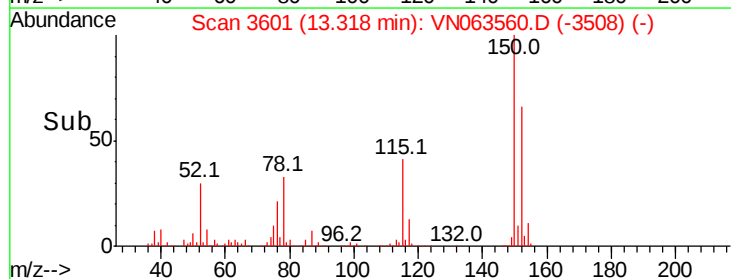
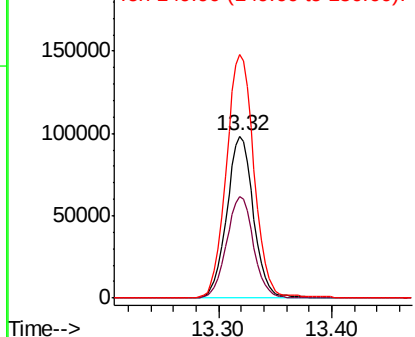


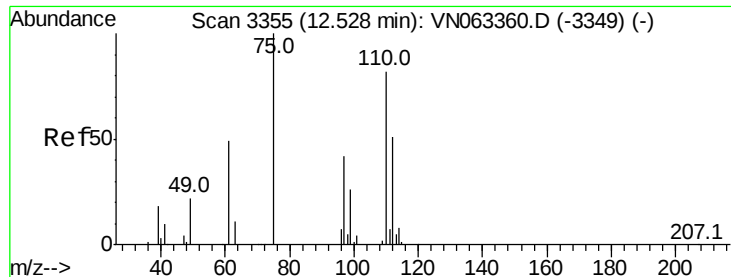
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063560.D
Acq: 23 Sep 2020 3:15

Tgt Ion:152 Resp: 161633
Ion Ratio Lower Upper
152 100
115 63.4 32.2 96.6
150 154.7 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: 26.441 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063560.D

Acq: 23 Sep 2020 3:15

Instrument :

MSVOA_N

ClientSampleId :

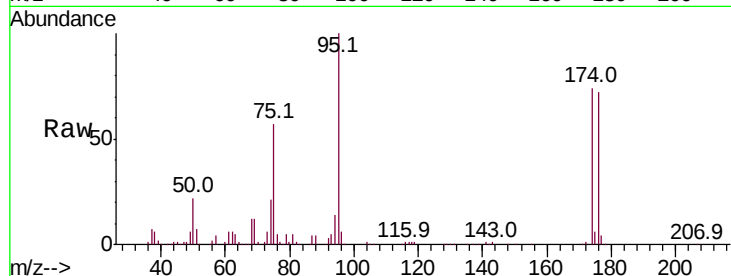
PB131779ZHE#12

Tot Ion: 75 Resp: 105780

Ion Ratio Lower Upper

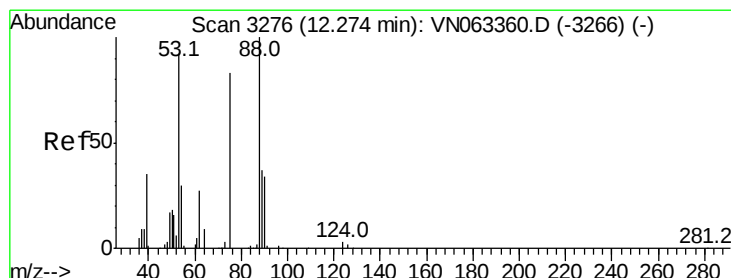
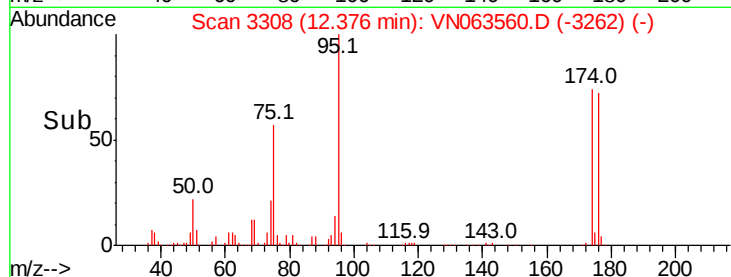
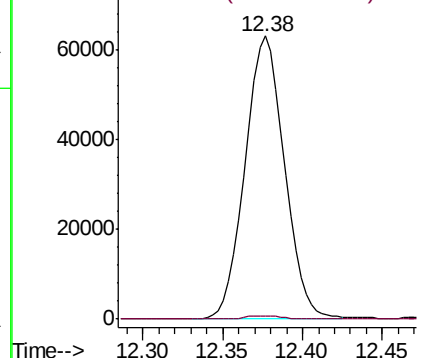
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 72.491 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063560.D

Acq: 23 Sep 2020 3:15

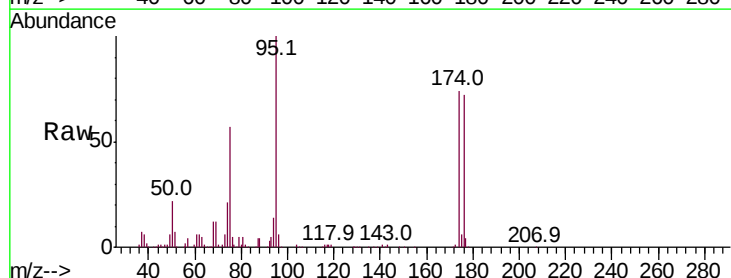
Tgt Ion: 75 Resp: 105780

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

