

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091820\
 Data File : VN063454.D
 Acq On : 18 Sep 2020 13:50
 Operator : JC/MD
 Sample : PB131709ZHE#20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131709ZHE#20

Quant Time: Sep 21 01:34:35 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	245938	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	463036	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	461399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	202026	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	200245	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	
35) Dibromofluoromethane	7.55	113	148579	46.35	ug/l	0.00
Spiked Amount			Recovery	=	92.70%	
50) Toluene-d8	10.06	98	588820	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
62) 4-Bromofluorobenzene	12.38	95	239455	54.19	ug/l	0.00
Spiked Amount			Recovery	=	108.38%	

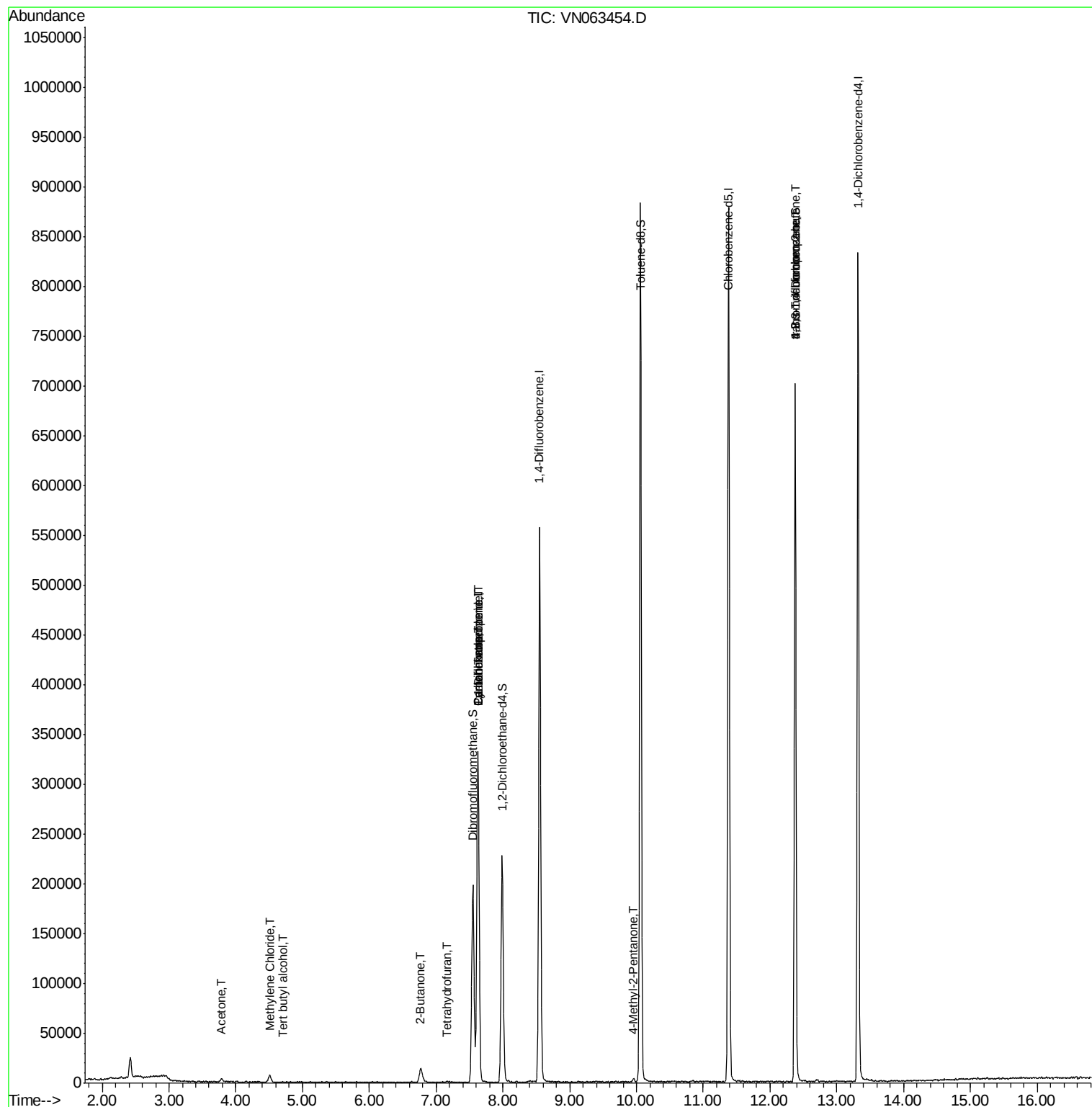
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.71	59	215	0.371	ug/l #	72
16) Acetone	3.78	43	4868	3.618	ug/l #	88
20) Methylene Chloride	4.51	84	4364	1.280	ug/l	96
25) 2-Butanone	6.77	43	508	0.245	ug/l #	76
29) Tetrahydrofuran	7.16	42	485	0.343	ug/l #	36
31) Cyclohexane	7.62	56	6918	1.196	ug/l #	18
36) 1,1-Dichloropropene	7.62	75	23169	4.697	ug/l #	52
38) Carbon Tetrachloride	7.63	117	27623	5.486	ug/l #	18
51) 4-Methyl-2-Pentanone	9.95	43	1182	0.244	ug/l #	46
76) 1,2,3-Trichloropropane	12.38	75	131787	26.355	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	131787	72.256	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: VN063454.D

Acq: 18 Sep 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

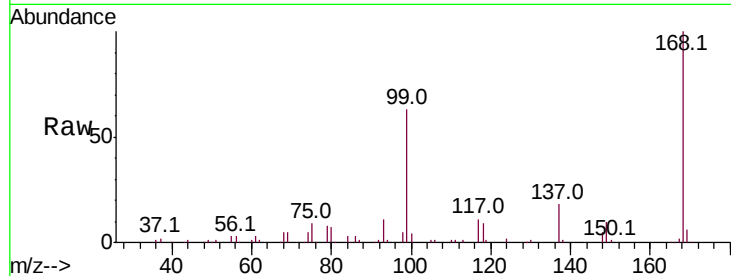
PB131709ZHE#20

Tot Ion:168 Resp: 245938

Ion Ratio Lower Upper

168 100

99 63.4 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

120000

100000

80000

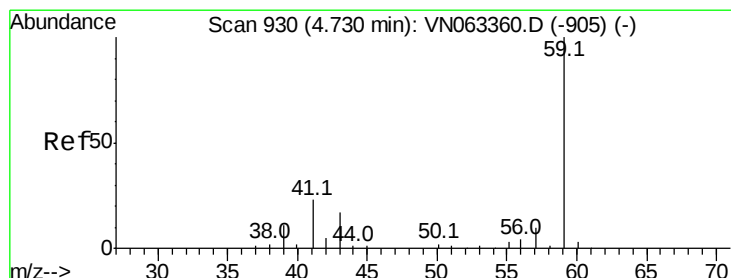
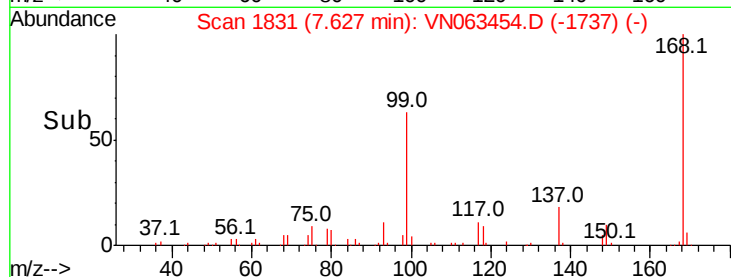
60000

40000

20000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.371 ug/l

RT: 4.71 min Scan# 925

Delta R.T. -0.02 min

Lab File: VN063454.D

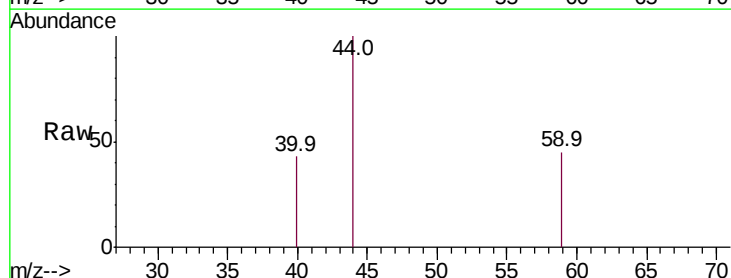
Acq: 18 Sep 2020 13:50

Tgt Ion: 59 Resp: 215

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.71

250

200

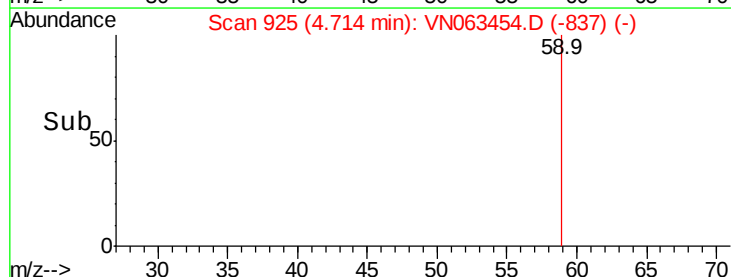
150

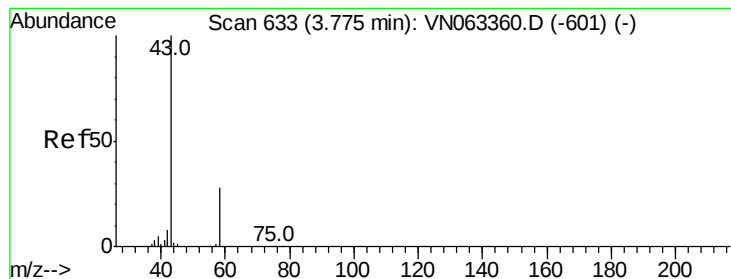
100

50

0

Time-->





#16

Acetone

Concen: 3.618 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063454.D

Acq: 18 Sep 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

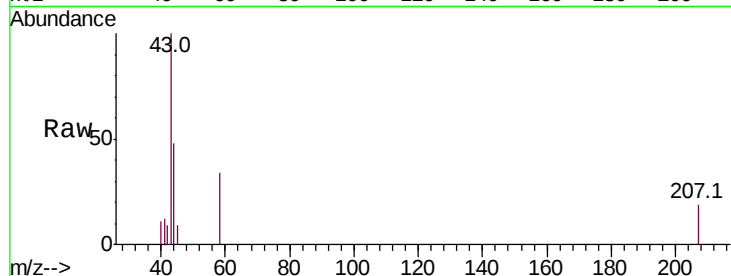
PB131709ZHE#20

Tot Ion: 43 Resp: 4868

Ion Ratio Lower Upper

43 100

58 34.0 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-601) (-)

Ion 58.00 (57.70 to 58.70): VN063360.D (-601) (-)

3.78

2000

1500

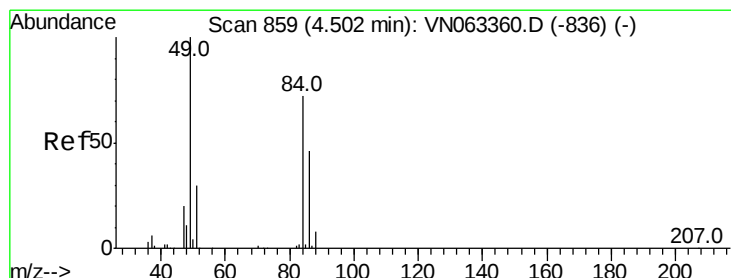
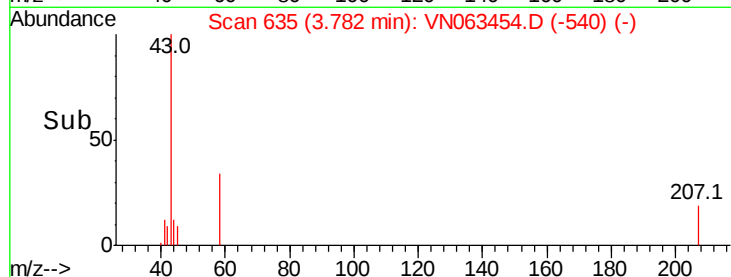
1000

500

0

Time-->

3.70 3.75 3.80 3.85



#20

Methylene Chloride

Concen: 1.280 ug/l

RT: 4.51 min Scan# 862

Delta R.T. 0.01 min

Lab File: VN063454.D

Acq: 18 Sep 2020 13:50

Tgt Ion: 84 Resp: 4364

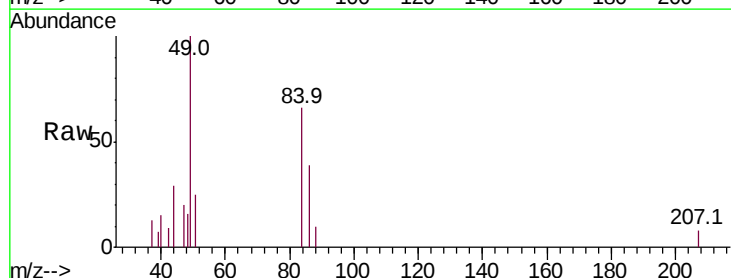
Ion Ratio Lower Upper

84 100

49 141.6 110.7 166.1

51 38.2 32.9 49.3

86 59.9 51.1 76.7



Abundance Ion 83.90 (83.60 to 84.60): VN063360.D (-836) (-)

Ion 48.90 (48.60 to 49.60): VN063360.D (-836) (-)

Ion 50.90 (50.60 to 51.60): VN063360.D (-836) (-)

Ion 85.90 (85.60 to 86.60): VN063360.D (-836) (-)

3000

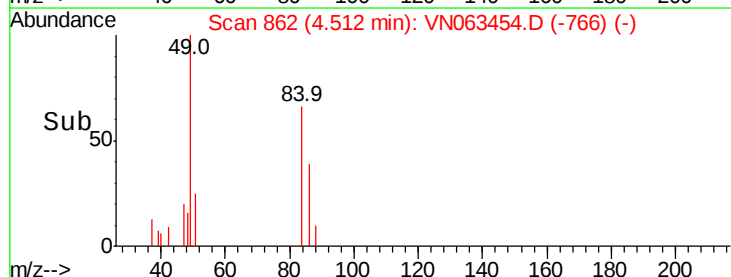
2000

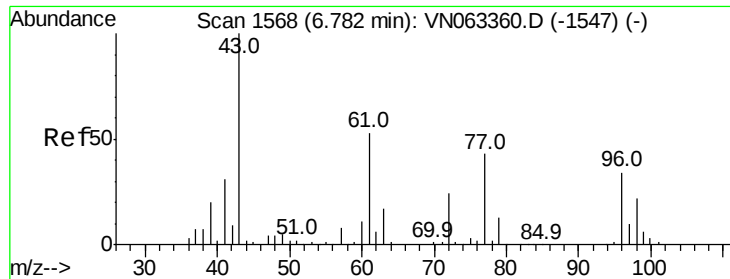
1000

0

Time-->

4.45 4.50 4.55





#25

2-Butanone

Concen: 0.245 ug/l

RT: 6.77 min Scan# 1563

Delta R.T. -0.02 min

Lab File: VN063454.D

Acq: 18 Sep 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

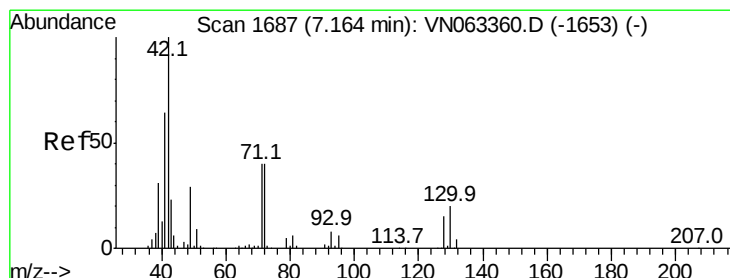
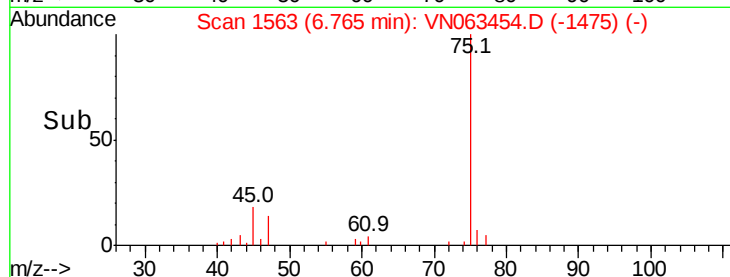
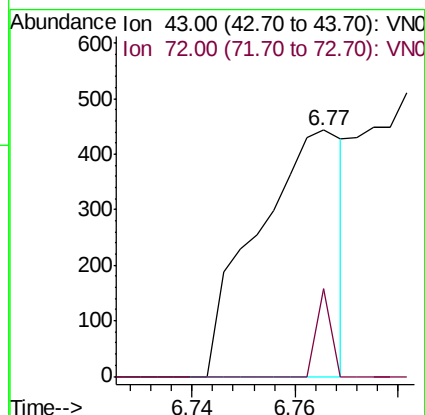
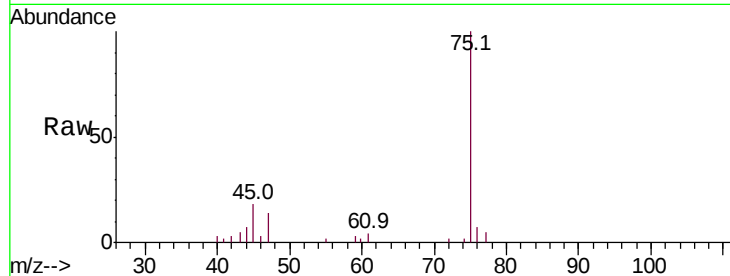
PB131709ZHE#20

Tot Ion: 43 Resp: 508

Ion Ratio Lower Upper

43 100

72 35.7 19.2 28.8#



#29

Tetrahydrofuran

Concen: 0.343 ug/l

RT: 7.16 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VN063454.D

Acq: 18 Sep 2020 13:50

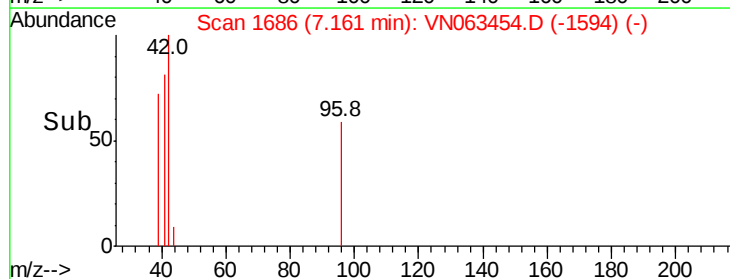
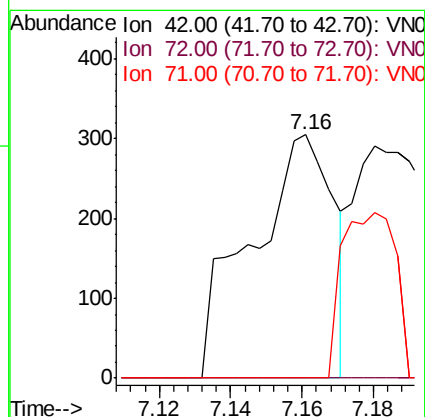
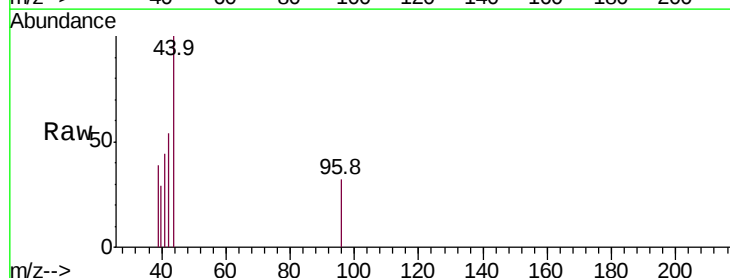
Tgt Ion: 42 Resp: 485

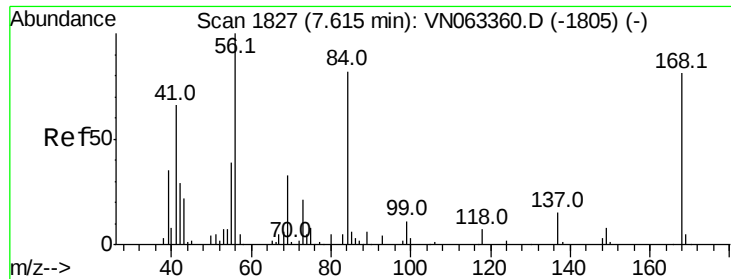
Ion Ratio Lower Upper

42 100

72 0.0 32.1 48.1#

71 0.0 31.2 46.8#

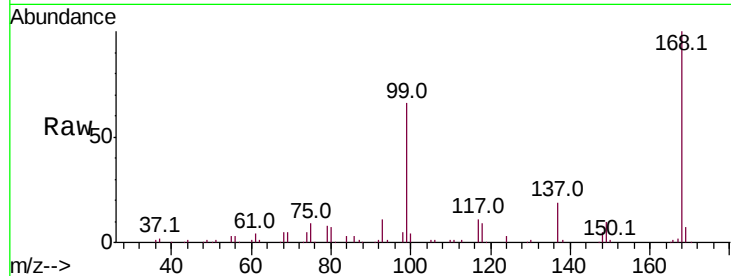




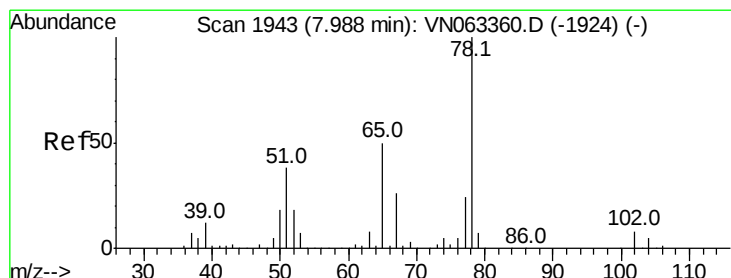
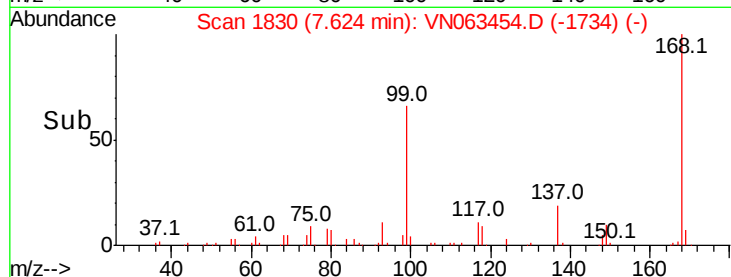
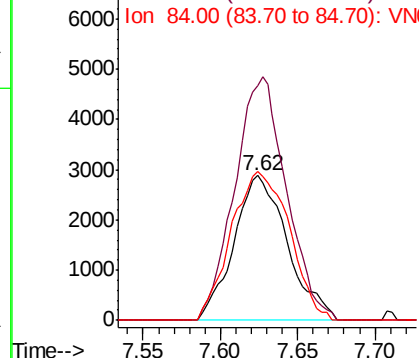
#31
Cyclohexane
Concen: 1.196 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN063454.D
Acq: 18 Sep 2020 13:50

Instrument :
MSVOA_N
ClientSampleId :
PB131709ZHE#20

Tot Ion: 56 Resp: 6918
Ion Ratio Lower Upper
56 100
69 161.8 26.1 39.1#
84 102.3 65.4 98.2#

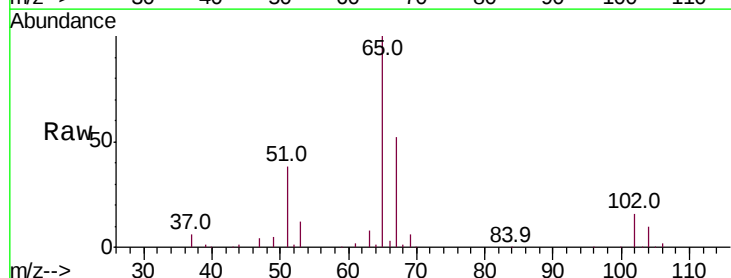


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

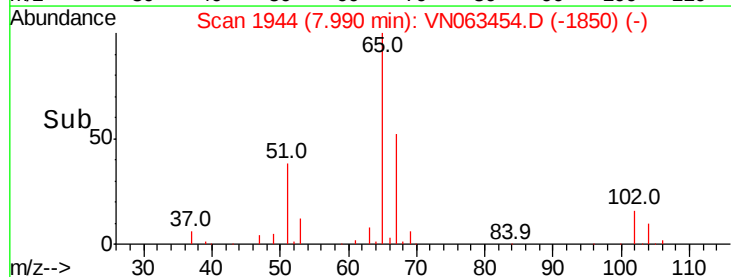
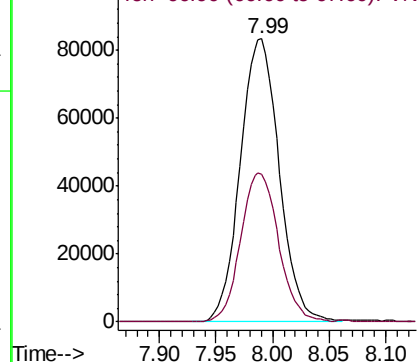


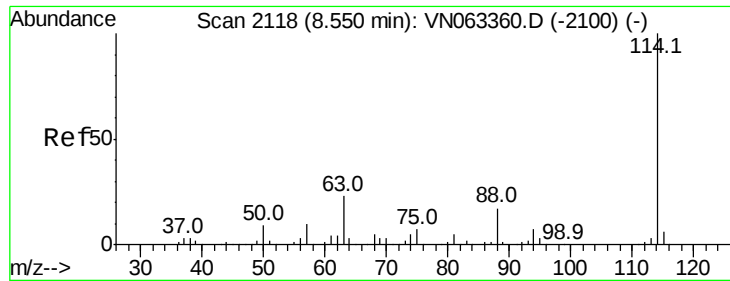
#33
1,2-Dichloroethane-d4
Concen: 47.831 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN063454.D
Acq: 18 Sep 2020 13:50

Tgt Ion: 65 Resp: 200245
Ion Ratio Lower Upper
65 100
67 51.1 0.0 104.2



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

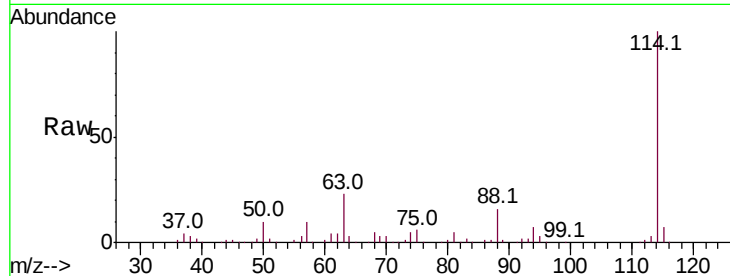




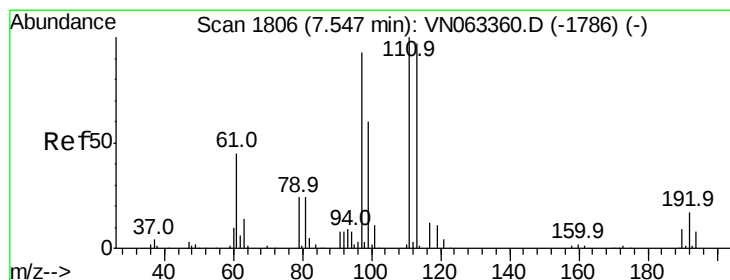
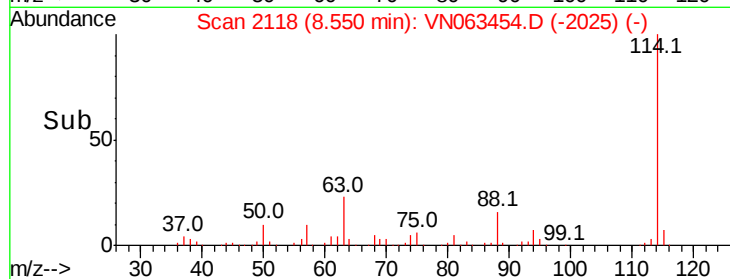
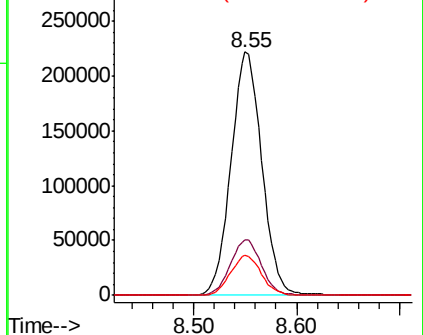
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063454.D
 Acq: 18 Sep 2020 13:50

Instrument :
 MSVOA_N
 ClientSampleId :
 PB131709ZHE#20

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.8	0.0	46.4
88	16.4	0.0	33.2

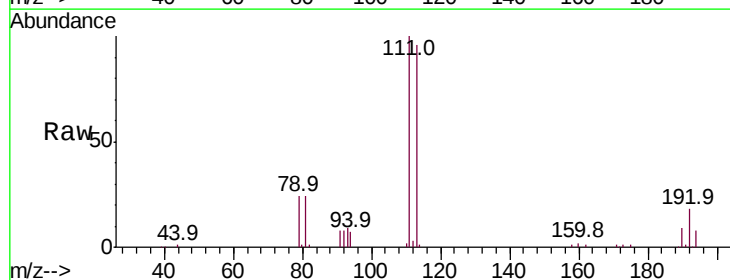


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

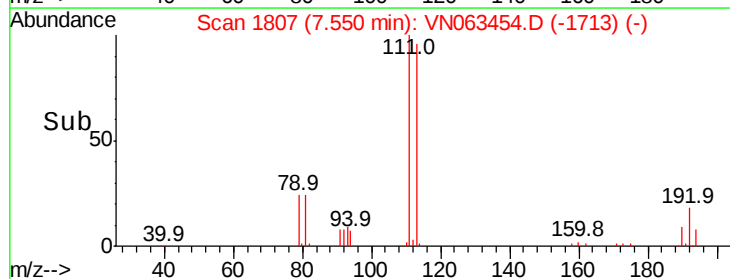
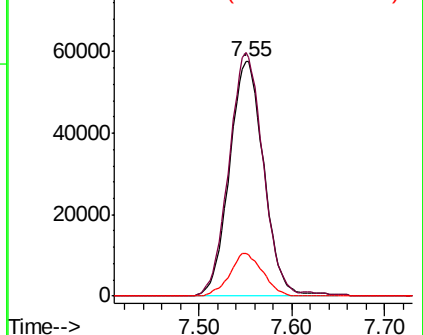


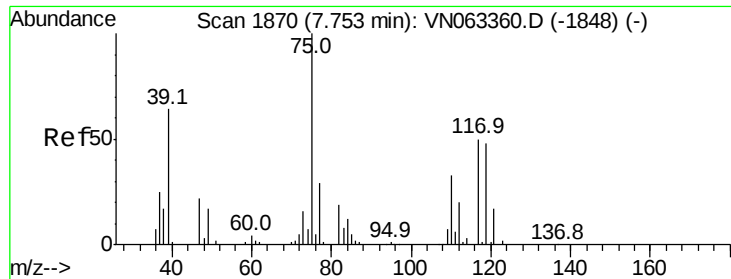
#35
 Dibromofluoromethane
 Concen: 46.351 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063454.D
 Acq: 18 Sep 2020 13:50

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	17.5	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: 4.697 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063454.D

Acq: 18 Sep 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

PB131709ZHE#20

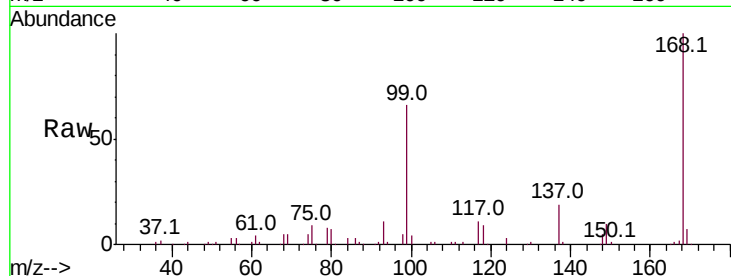
Tot Ion: 75 Resp: 23169

Ion Ratio Lower Upper

75 100

110 9.8 16.5 49.5#

77 0.0 24.6 36.8#

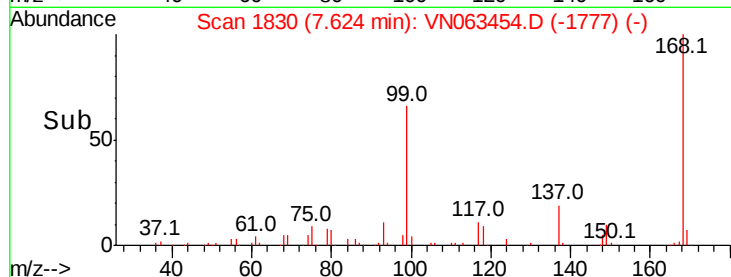


Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-1848) (-)

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

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

Time-->

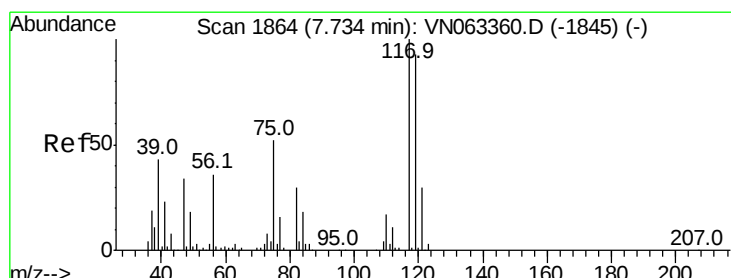


Abundance Ion 74.90 (74.60 to 75.60): VN063454.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN063454.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN063454.D (-1777) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.486 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.10 min

Lab File: VN063454.D

Acq: 18 Sep 2020 13:50

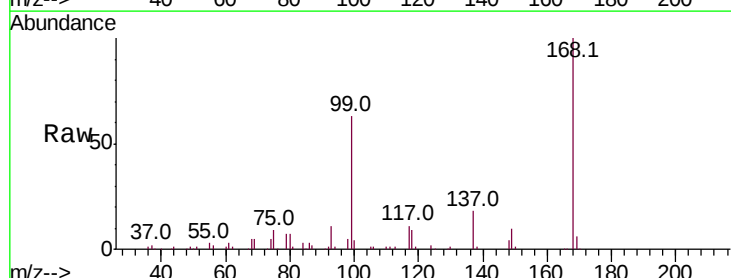
Tgt Ion: 117 Resp: 27623

Ion Ratio Lower Upper

117 100

119 5.5 74.5 111.7#

121 0.0 24.1 36.1#

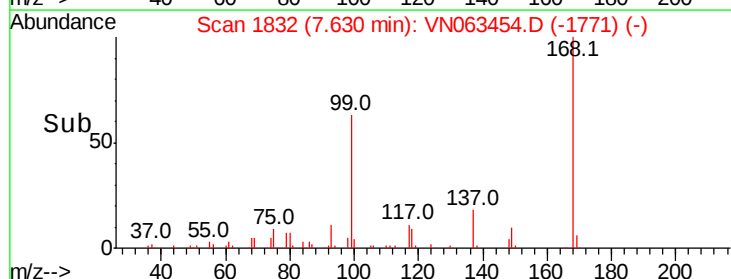


Abundance Ion 116.80 (116.50 to 117.50): VN063360.D (-1845) (-)

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

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

Time-->

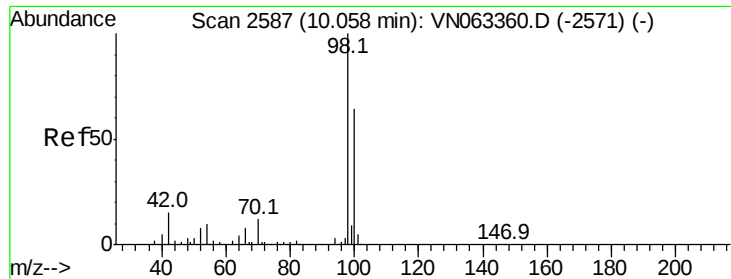


Abundance Ion 116.80 (116.50 to 117.50): VN063454.D (-1771) (-)

Ion 118.80 (118.50 to 119.50): VN063454.D (-1771) (-)

Ion 120.80 (120.50 to 121.50): VN063454.D (-1771) (-)

Time-->



#50

Toluene-d8

Concen: 48.851 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063454.D

Acq: 18 Sep 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

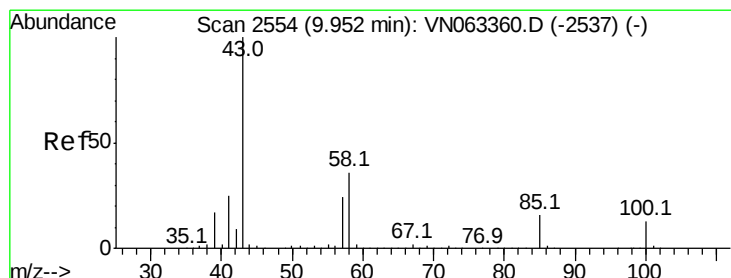
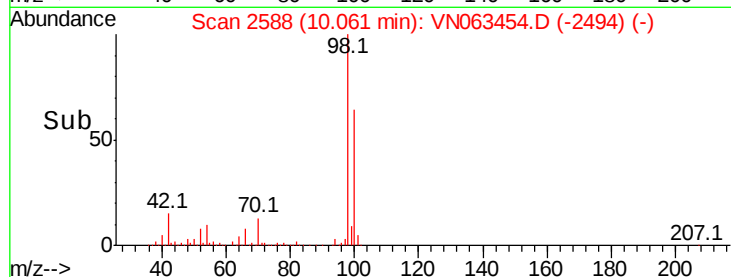
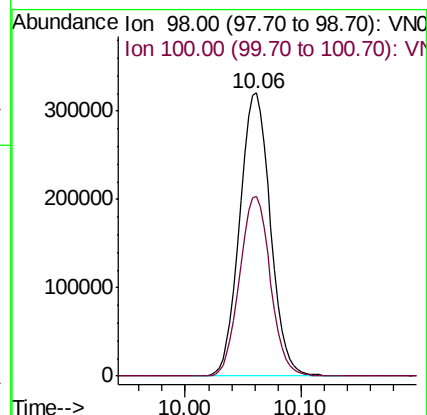
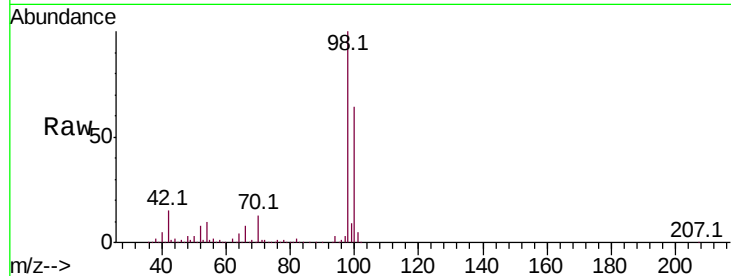
PB131709ZHE#20

Tot Ion: 98 Resp: 588820

Ion Ratio Lower Upper

98 100

100 63.7 50.7 76.1



#51

4-Methyl-2-Pentanone

Concen: 0.244 ug/l

RT: 9.95 min Scan# 2552

Delta R.T. -0.01 min

Lab File: VN063454.D

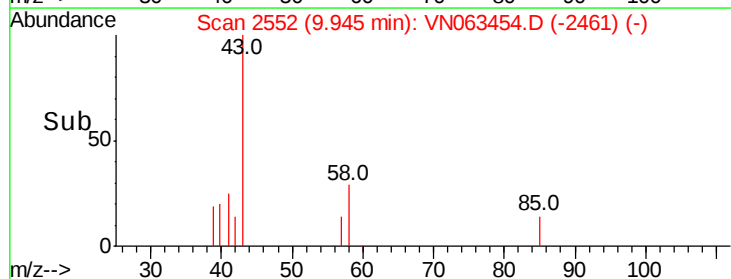
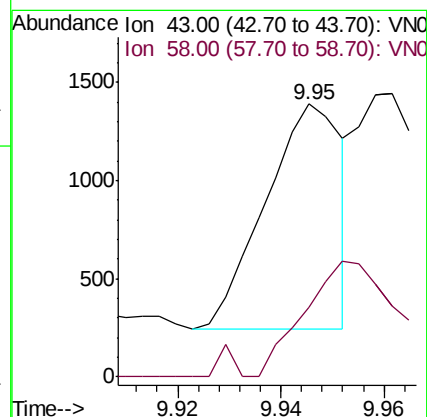
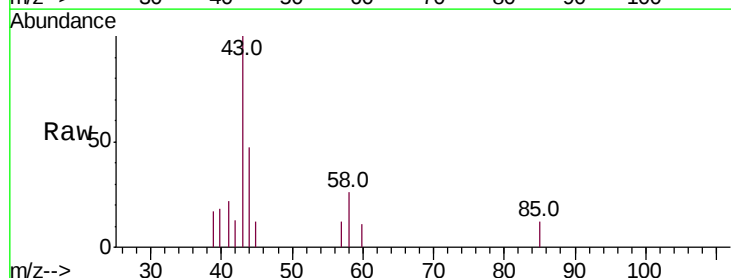
Acq: 18 Sep 2020 13:50

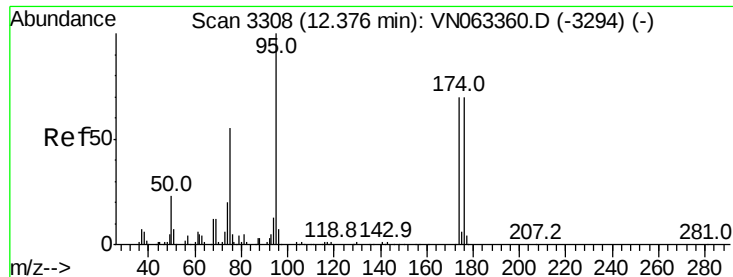
Tgt Ion: 43 Resp: 1182

Ion Ratio Lower Upper

43 100

58 68.4 29.0 43.6#





#62

4-Bromofluorobenzene

Concen: 54.194 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063454.D

Acq: 18 Sep 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

PB131709ZHE#20

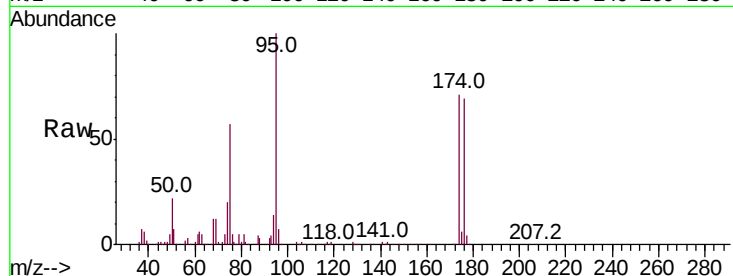
Tot Ion: 95 Resp: 239455

Ion Ratio Lower Upper

95 100

174 69.9 0.0 140.8

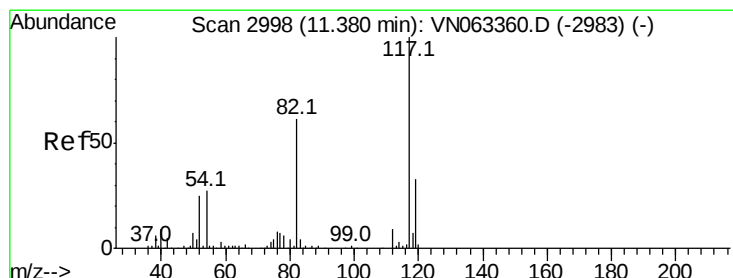
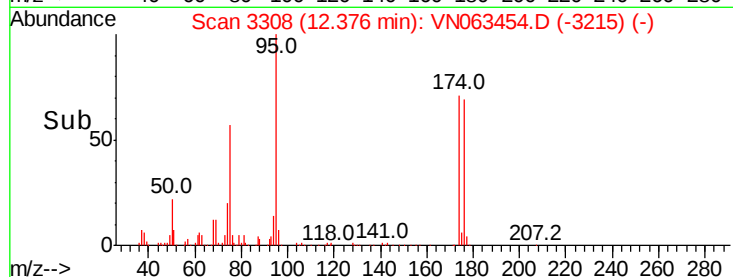
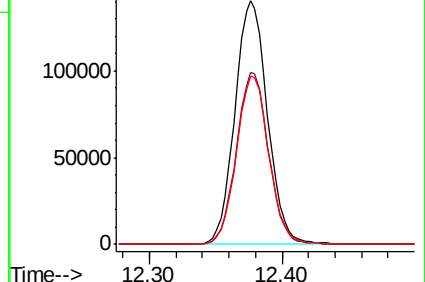
176 68.6 0.0 137.6



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) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063454.D

Acq: 18 Sep 2020 13:50

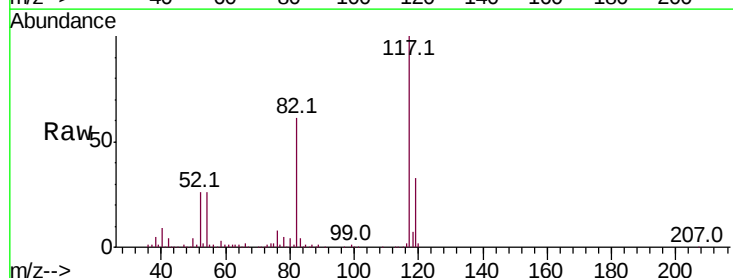
Tgt Ion: 117 Resp: 461399

Ion Ratio Lower Upper

117 100

82 60.9 49.2 73.8

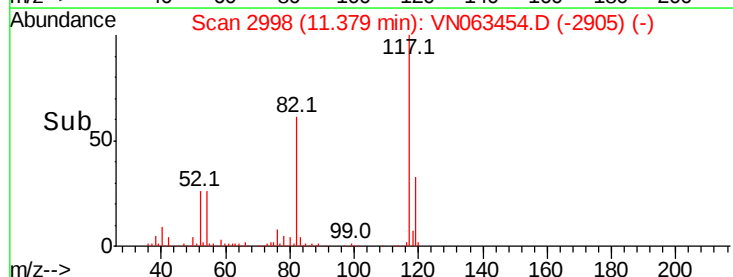
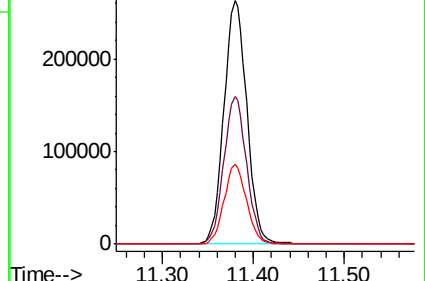
119 32.6 26.2 39.4

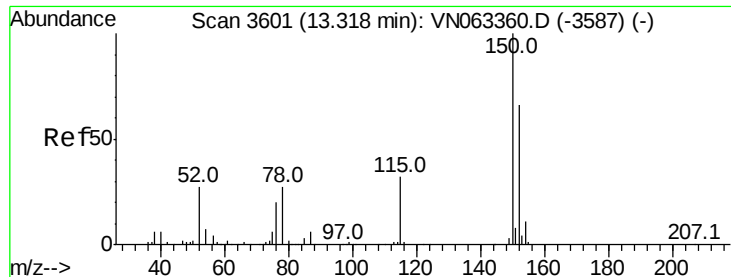


Abundance Ion 116.90 (116.60 to 117.60): VN063360.D (-2983) (-)

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

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





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063454.D

Acq: 18 Sep 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

PB131709ZHE#20

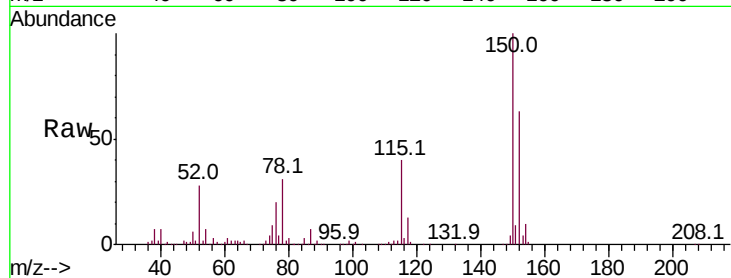
Tot Ion:152 Resp: 202026

Ion Ratio Lower Upper

152 100

115 63.0 32.2 96.6

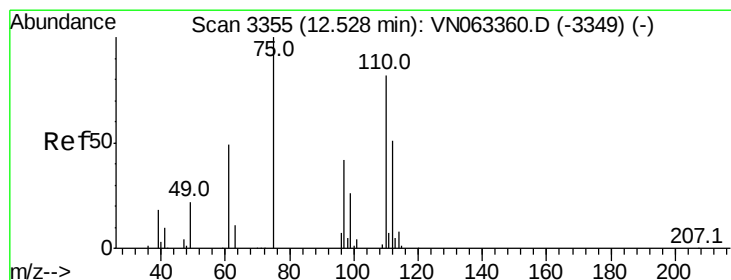
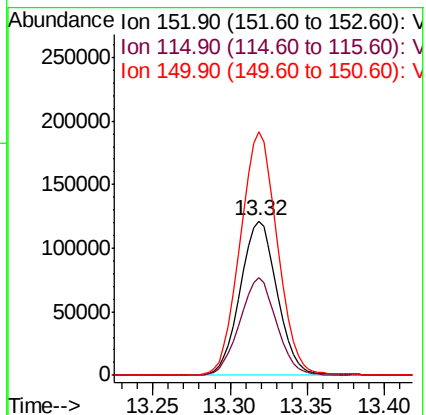
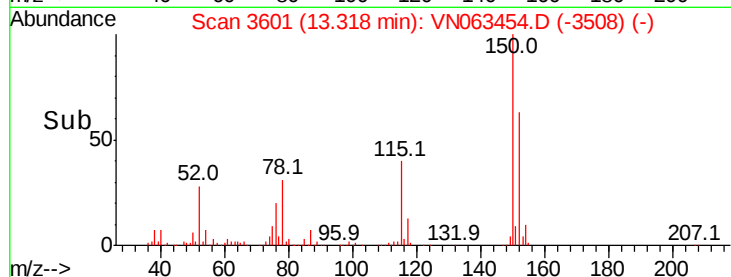
150 159.4 0.0 343.4



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: 26.355 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063454.D

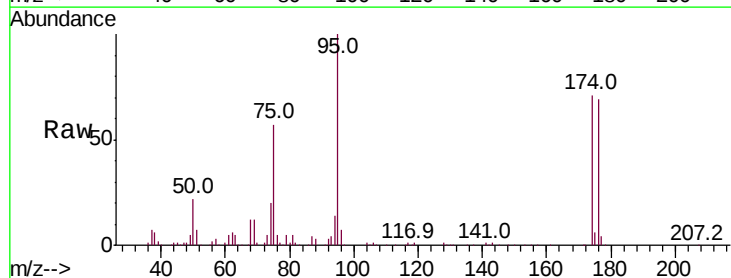
Acq: 18 Sep 2020 13:50

Tgt Ion: 75 Resp: 131787

Ion Ratio Lower Upper

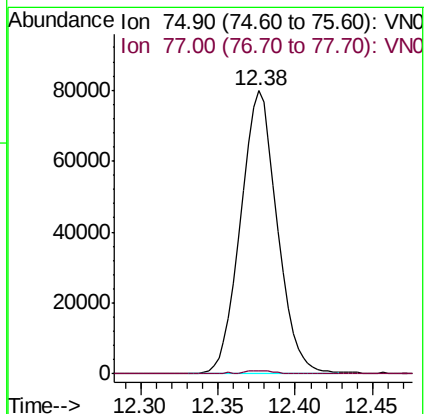
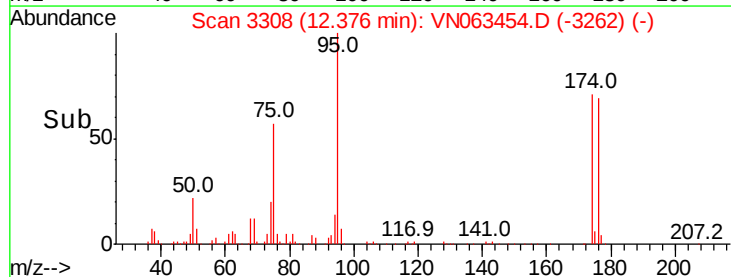
75 100

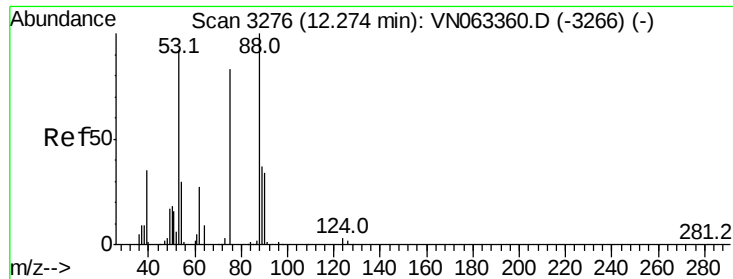
77 1.0 0.0 0.0#



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: 72.256 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063454.D

Acq: 18 Sep 2020 13:50

Instrument :

MSVOA_N

ClientSampleId :

PB131709ZHE#20

Tot Ion: 75 Resp: 131787

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

