

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
 Data File : VN063666.D
 Acq On : 25 Sep 2020 7:25
 Operator : JC/MD
 Sample : L4119-19 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 52 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP06-20200922

Quant Time: Sep 25 07:44:30 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	7.62	168	191070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	361309	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	369922	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	153246	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	173690	53.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.80%	
35) Dibromofluoromethane	7.55	113	122405	48.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.88%	
50) Toluene-d8	10.06	98	469202	49.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.78%	
62) 4-Bromofluorobenzene	12.38	95	178830	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	

Target Compounds

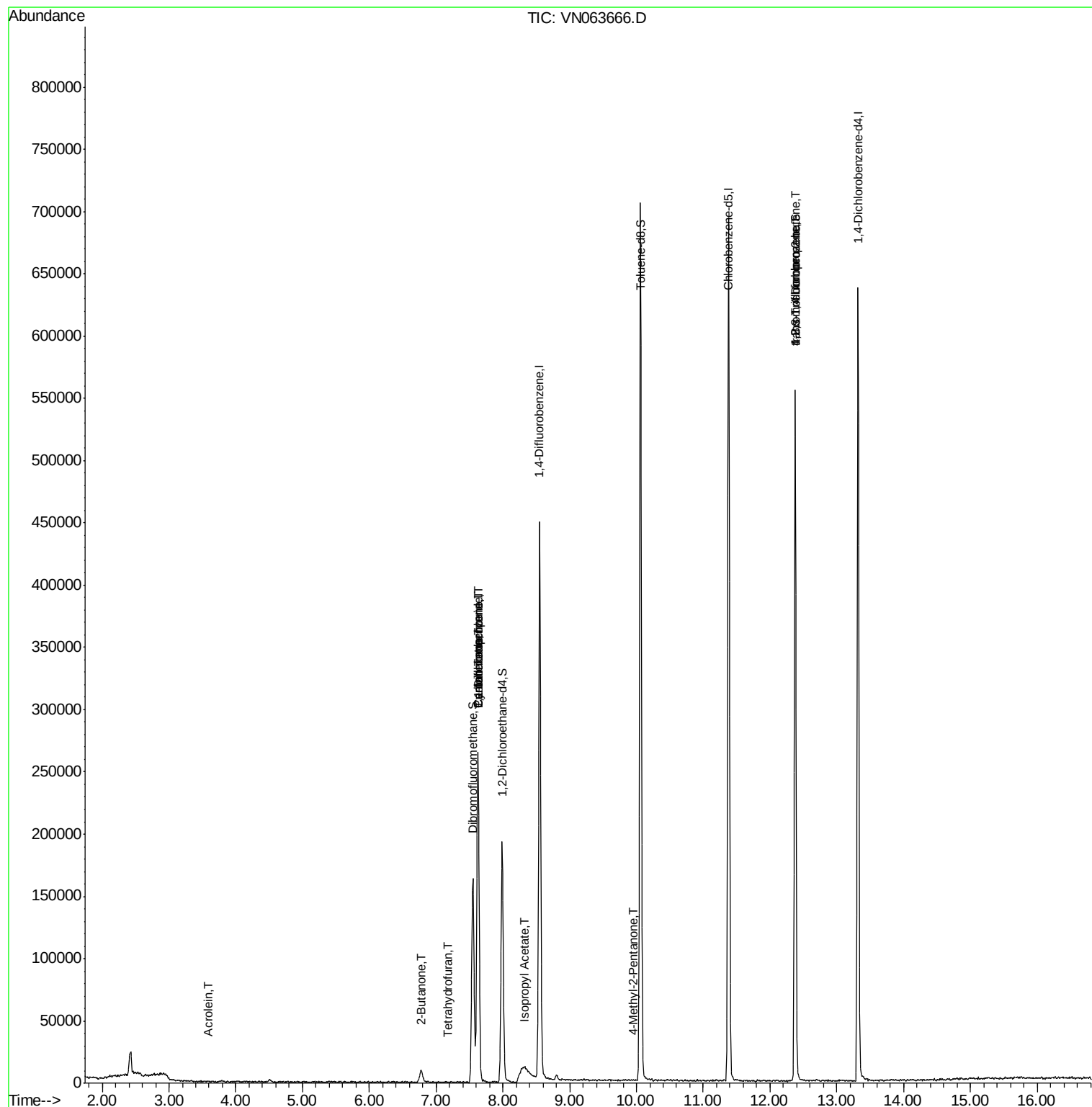
					Qvalue	
13) Acrolein	3.58	56	69	0.413	ug/l #	63
25) 2-Butanone	6.78	43	547	0.340	ug/l #	51
29) Tetrahydrofuran	7.17	42	229	0.209	ug/l #	36
31) Cyclohexane	7.62	56	5535	1.232	ug/l #	42
36) 1,1-Dichloropropene	7.62	75	17946	4.662	ug/l #	51
38) Carbon Tetrachloride	7.63	117	21982	5.594	ug/l #	18
43) Isopropyl Acetate	8.31	43	24916	3.688	ug/l #	64
51) 4-Methyl-2-Pentanone	9.96	43	893	0.236	ug/l #	39
76) 1,2,3-Trichloropropane	12.38	75	102848	27.115	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	102848	74.339	ug/l #	7

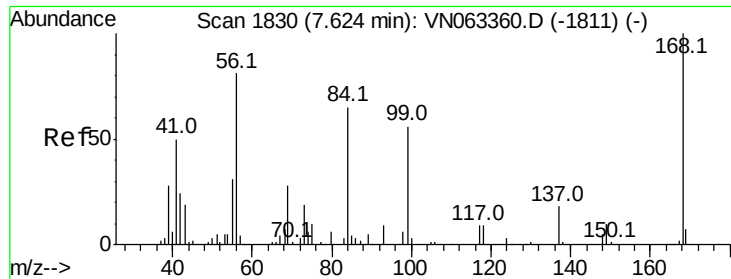
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: 7.62 min Scan# 1830

Delta R.T. -0.00 min

Lab File: VN063666.D

Acq: 25 Sep 2020 7:25

Instrument :

MSVOA_N

ClientSampleId :

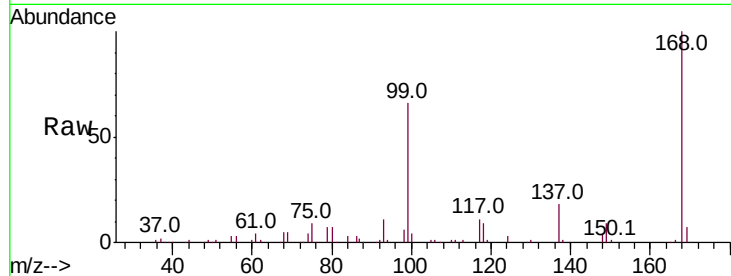
DUP06-20200922

Tot Ion:168 Resp: 191070

Ion Ratio Lower Upper

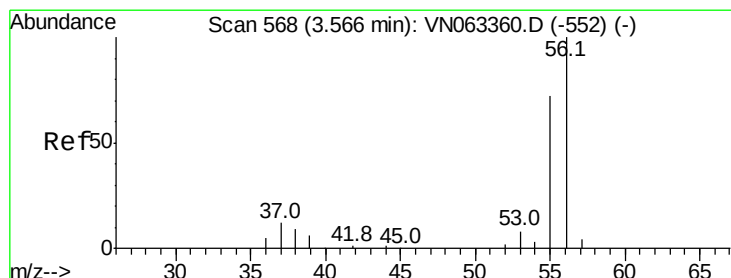
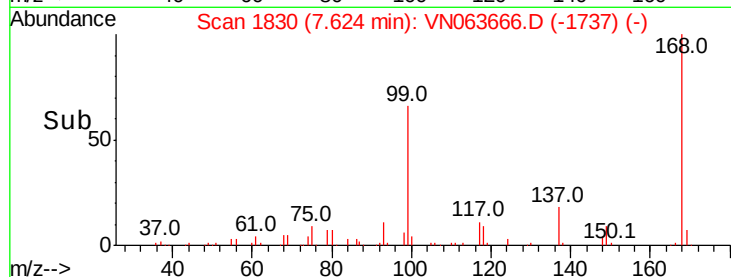
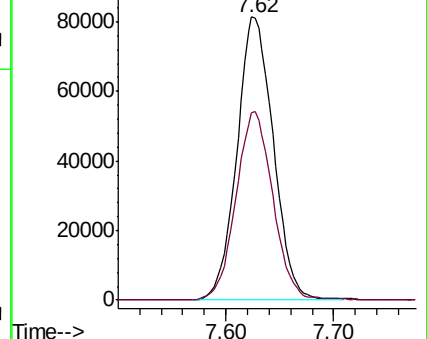
168 100

99 66.4 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#13

Acrolein

Concen: 0.413 ug/l

RT: 3.58 min Scan# 573

Delta R.T. 0.02 min

Lab File: VN063666.D

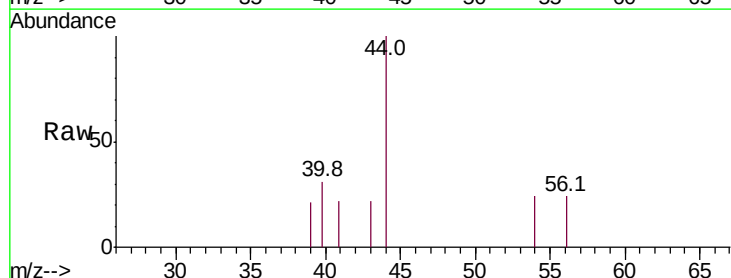
Acq: 25 Sep 2020 7:25

Tgt Ion: 56 Resp: 69

Ion Ratio Lower Upper

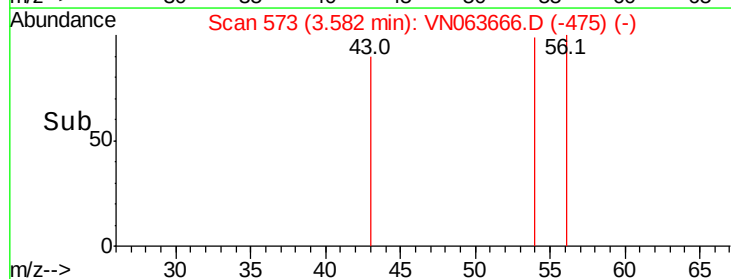
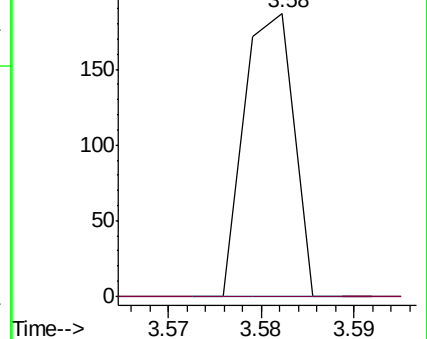
56 100

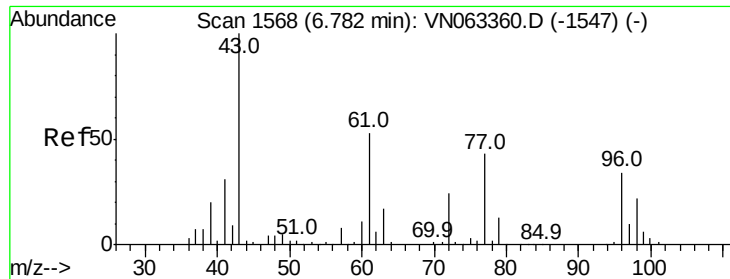
55 42.0 58.2 87.2#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#25

2-Butanone

Concen: 0.340 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063666.D

Acq: 25 Sep 2020 7:25

Instrument :

MSVOA_N

ClientSampleId :

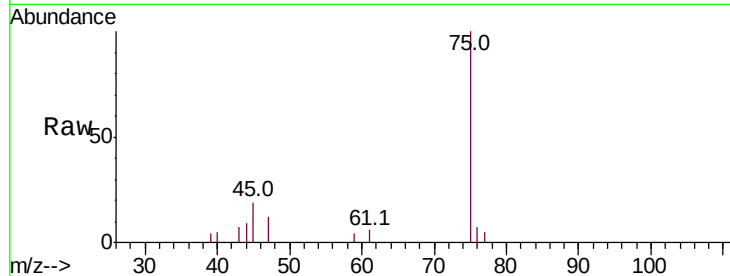
DUP06-20200922

Tot Ion: 43 Resp: 547

Ion Ratio Lower Upper

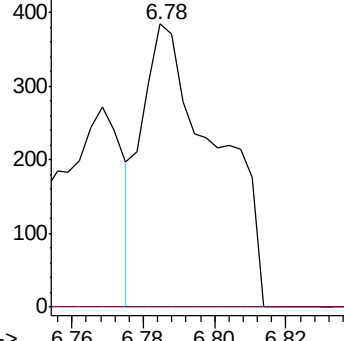
43 100

72 0.0 19.2 28.8#

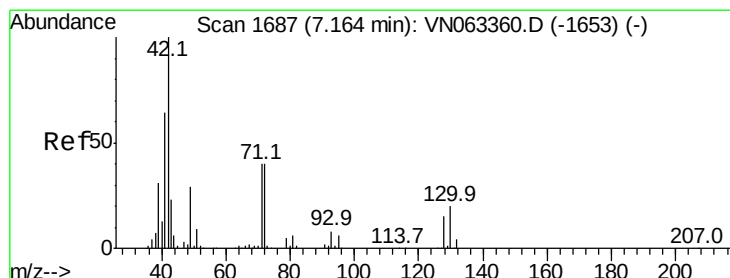
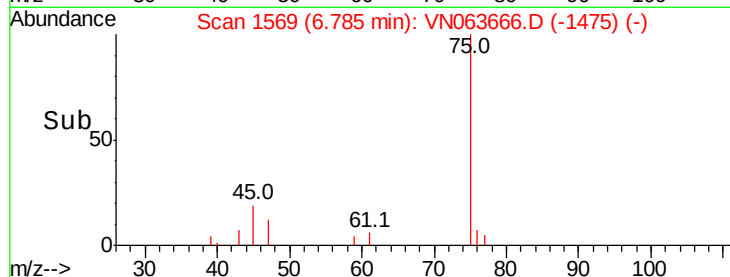


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time--> 6.76 6.78 6.80 6.82



#29

Tetrahydrofuran

Concen: 0.209 ug/l

RT: 7.17 min Scan# 1689

Delta R.T. 0.01 min

Lab File: VN063666.D

Acq: 25 Sep 2020 7:25

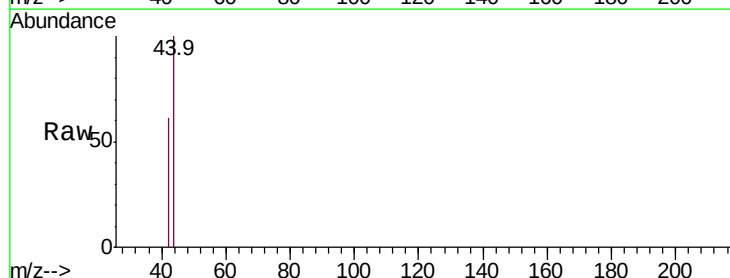
Tgt Ion: 42 Resp: 229

Ion Ratio Lower Upper

42 100

72 0.0 32.1 48.1#

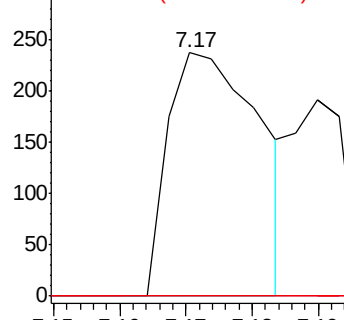
71 0.0 31.2 46.8#



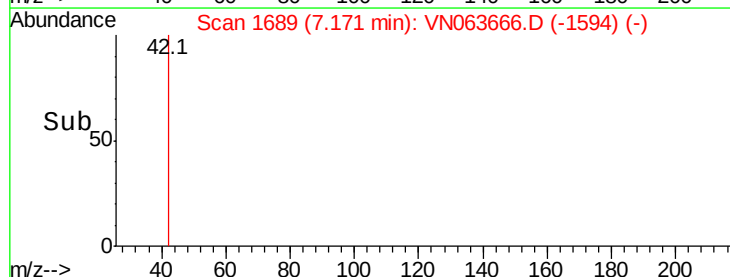
Abundance Ion 42.00 (41.70 to 42.70): VN0

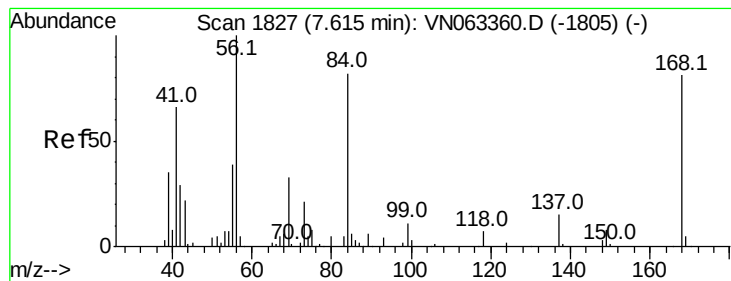
Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



Time--> 7.15 7.16 7.17 7.18 7.19





#31

Cyclohexane

Concen: 1.232 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. 0.01 min

Lab File: VN063666.D

Acq: 25 Sep 2020 7:25

Instrument :

MSVOA_N

ClientSampleId :

DUP06-20200922

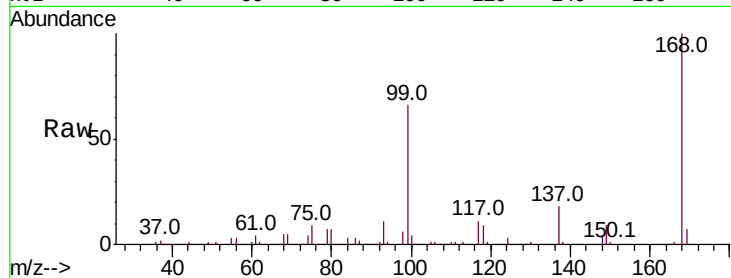
Tot Ion: 56 Resp: 5535

Ion Ratio Lower Upper

56 100

69 145.5 26.1 39.1#

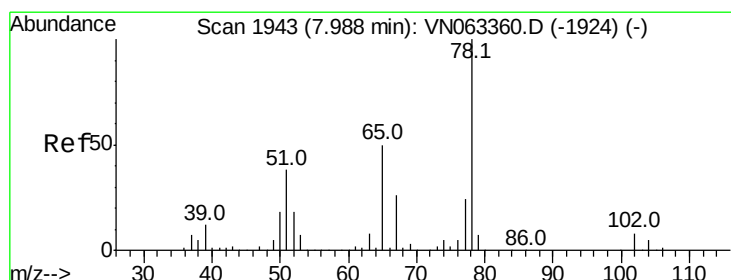
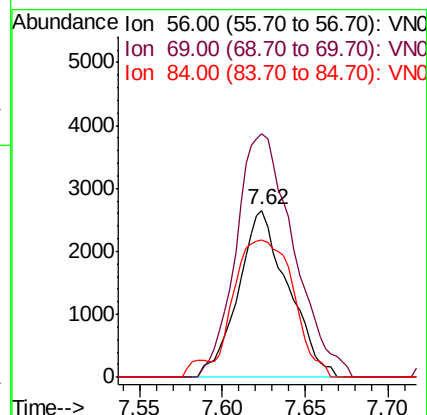
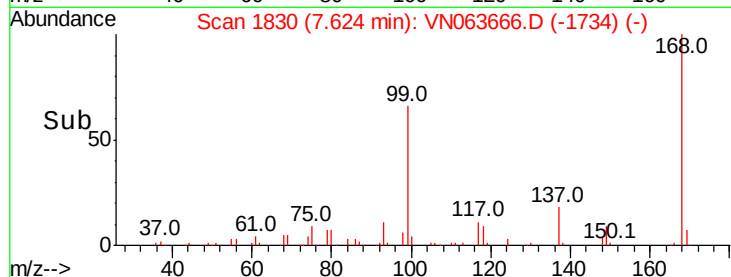
84 82.3 65.4 98.2



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: 53.402 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN063666.D

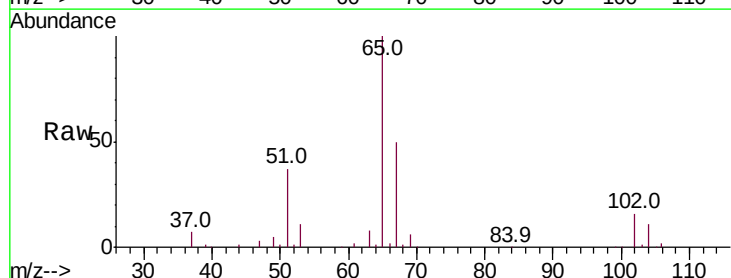
Acq: 25 Sep 2020 7:25

Tgt Ion: 65 Resp: 173690

Ion Ratio Lower Upper

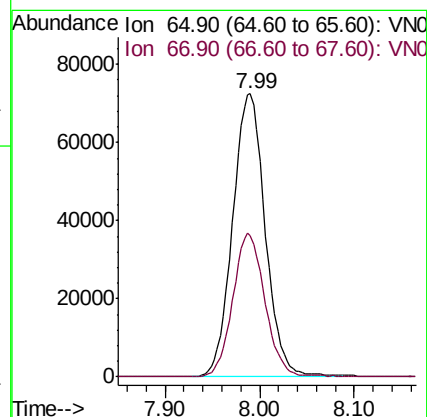
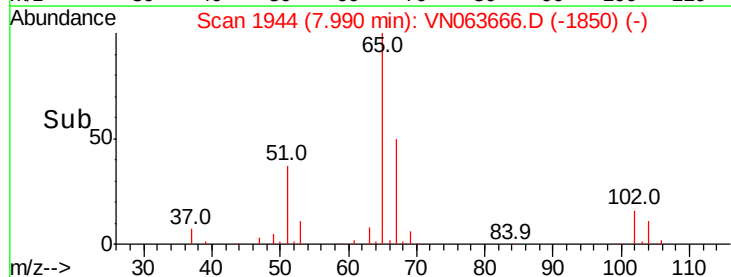
65 100

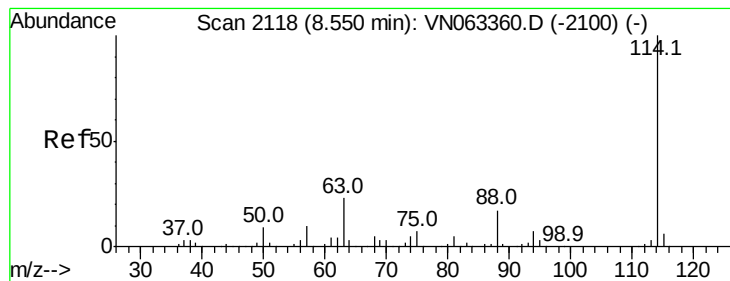
67 50.0 0.0 104.2



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: VN063666.D

Acq: 25 Sep 2020 7:25

Instrument :

MSVOA_N

ClientSampleId :

DUP06-20200922

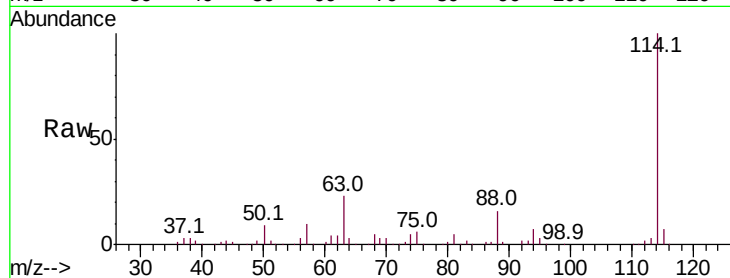
Tot Ion:114 Resp: 361309

Ion Ratio Lower Upper

114 100

63 23.2 0.0 46.4

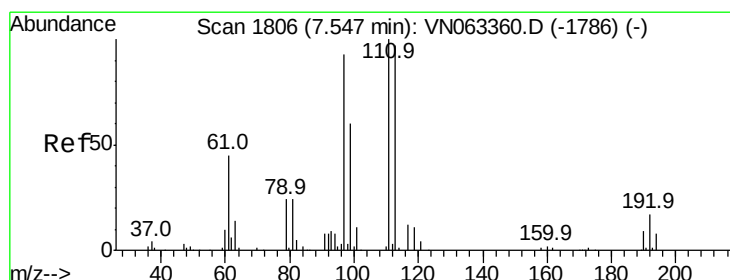
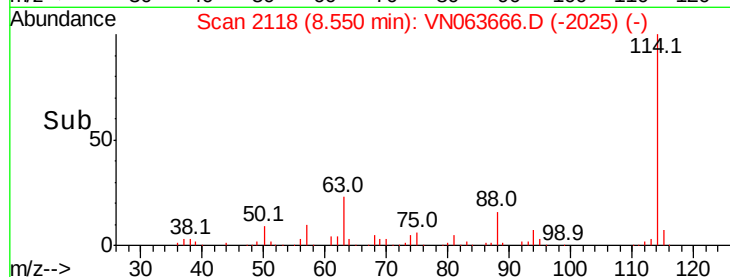
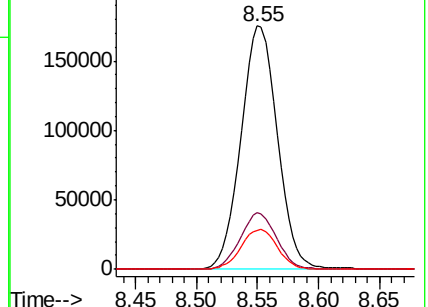
88 16.1 0.0 33.2



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: 48.937 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063666.D

Acq: 25 Sep 2020 7:25

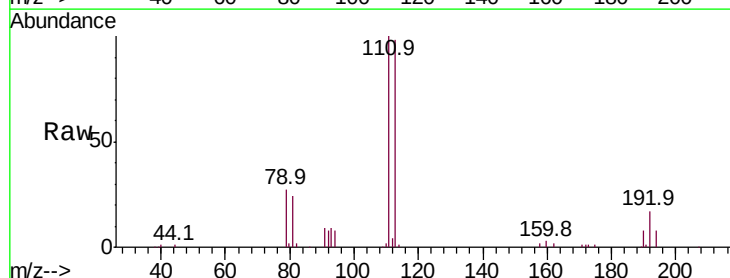
Tgt Ion:113 Resp: 122405

Ion Ratio Lower Upper

113 100

111 100.7 82.9 124.3

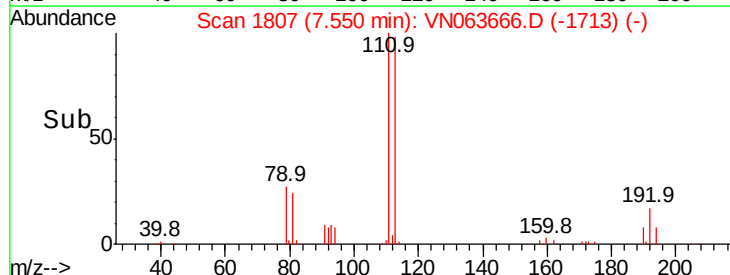
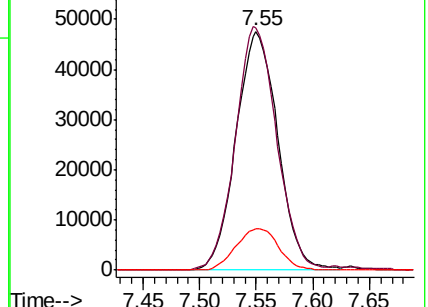
192 17.7 13.9 20.9

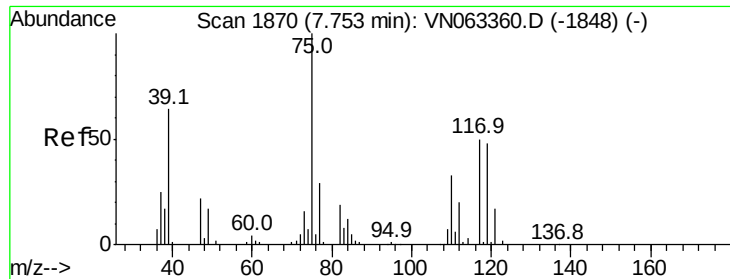


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.662 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063666.D

Acq: 25 Sep 2020 7:25

Instrument :

MSVOA_N

ClientSampleId :

DUP06-20200922

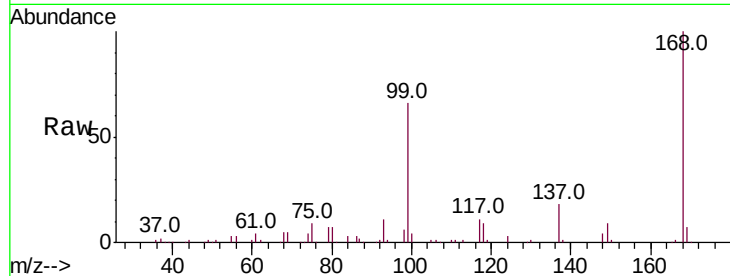
Tot Ion: 75 Resp: 17946

Ion Ratio Lower Upper

75 100

110 8.6 16.5 49.5#

77 0.0 24.6 36.8#

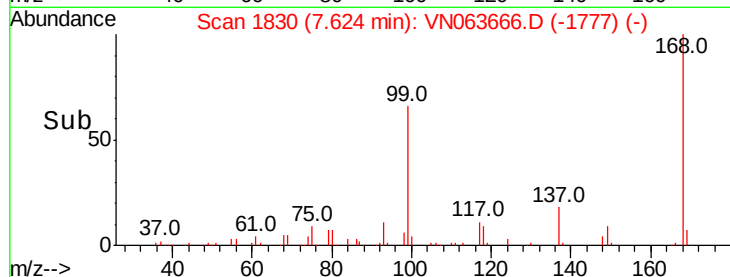


Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-1848) (-)

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

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

Time-->

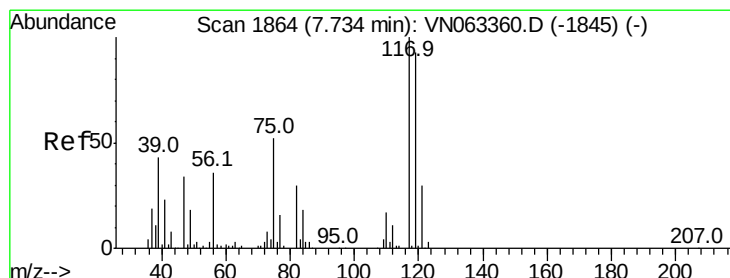


Abundance Ion 74.90 (74.60 to 75.60): VN063666.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN063666.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN063666.D (-1777) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.594 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.10 min

Lab File: VN063666.D

Acq: 25 Sep 2020 7:25

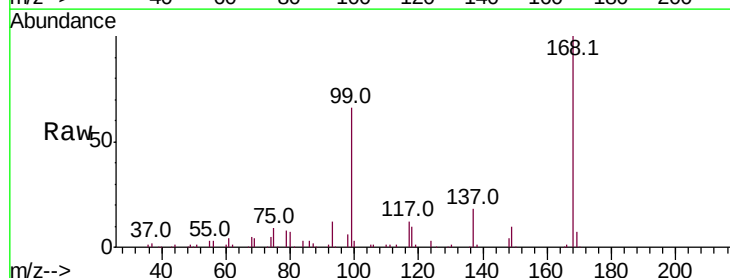
Tgt Ion: 117 Resp: 21982

Ion Ratio Lower Upper

117 100

119 5.9 74.5 111.7#

121 0.0 24.1 36.1#

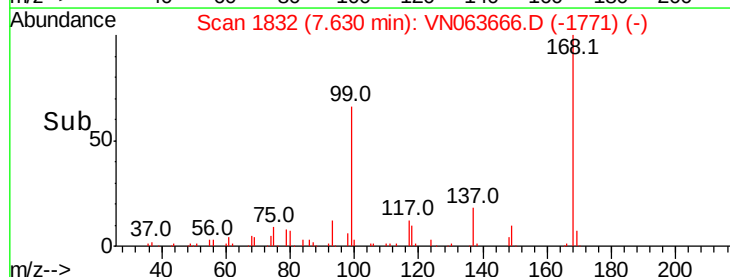


Abundance Ion 116.80 (116.50 to 117.50): VN063360.D (-1845) (-)

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

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

Time-->

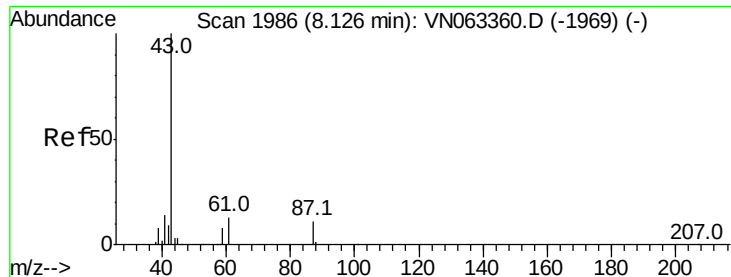


Abundance Ion 116.80 (116.50 to 117.50): VN063666.D (-1771) (-)

Ion 118.80 (118.50 to 119.50): VN063666.D (-1771) (-)

Ion 120.80 (120.50 to 121.50): VN063666.D (-1771) (-)

Time-->



#43

Isopropyl Acetate

Concen: 3.688 ug/l

RT: 8.31 min Scan# 2043

Delta R.T. 0.18 min

Lab File: VN063666.D

Acq: 25 Sep 2020 7:25

Instrument :

MSVOA_N

ClientSampleId :

DUP06-20200922

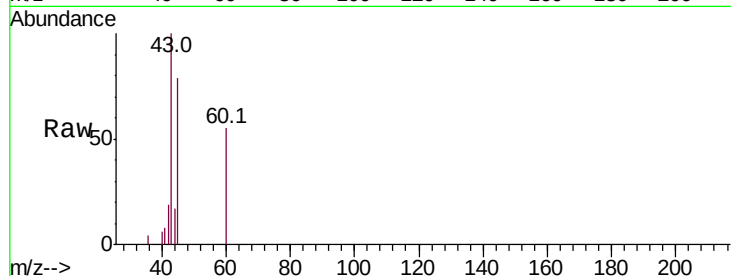
Tot Ion: 43 Resp: 24916

Ion Ratio Lower Upper

43 100

61 0.4 14.2 21.2#

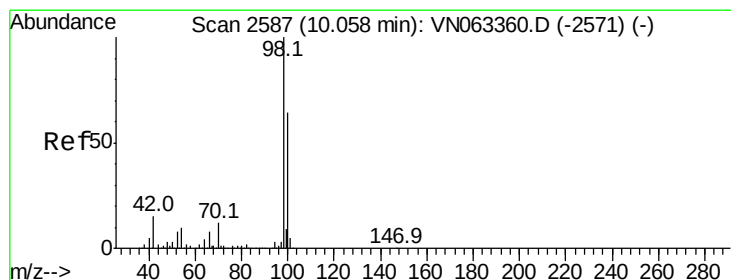
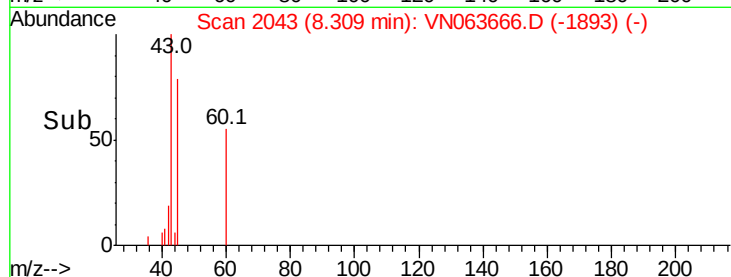
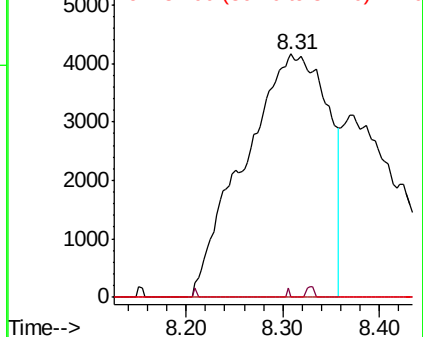
87 0.0 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 49.887 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063666.D

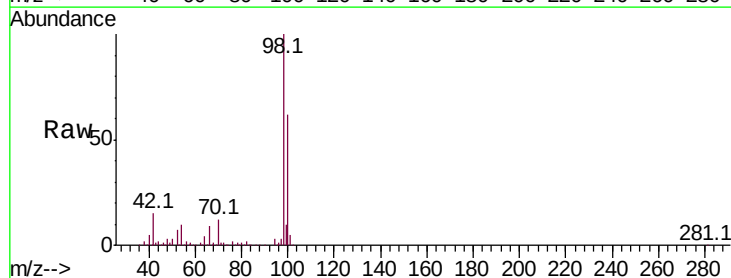
Acq: 25 Sep 2020 7:25

Tgt Ion: 98 Resp: 469202

Ion Ratio Lower Upper

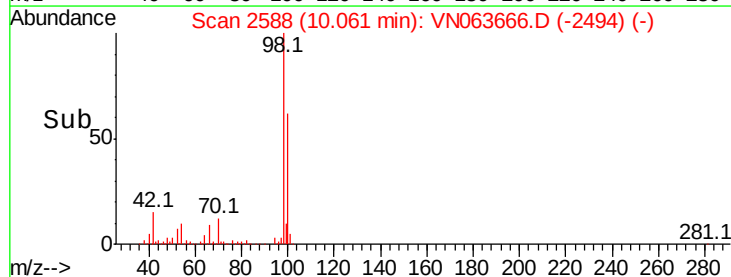
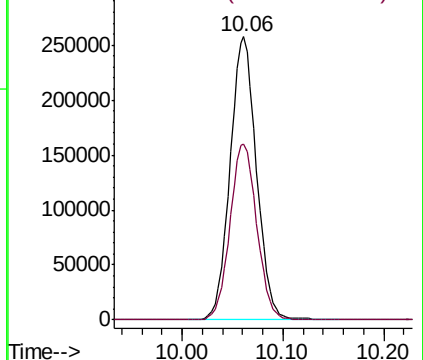
98 100

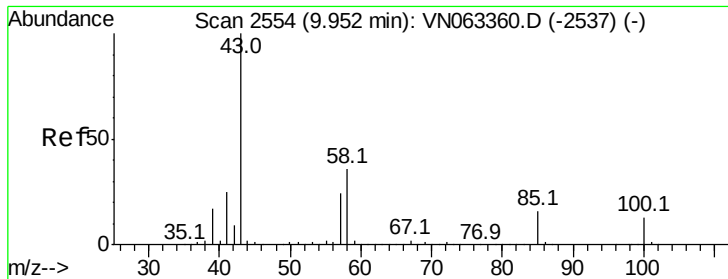
100 63.2 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.236 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN063666.D

Acq: 25 Sep 2020 7:25

Instrument :

MSVOA_N

ClientSampleId :

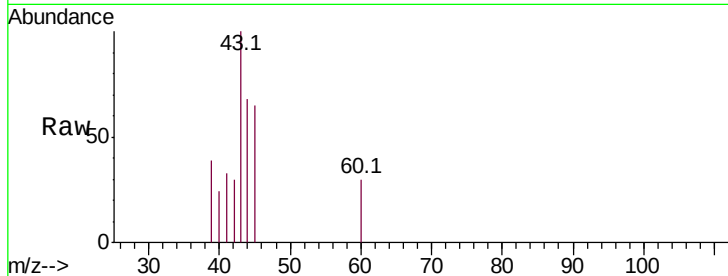
DUP06-20200922

Tot Ion: 43 Resp: 893

Ion Ratio Lower Upper

43 100

58 0.0 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.96

800

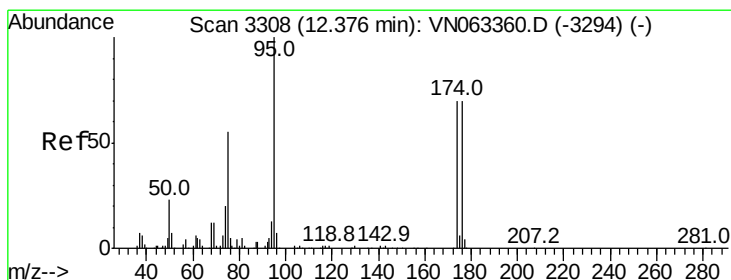
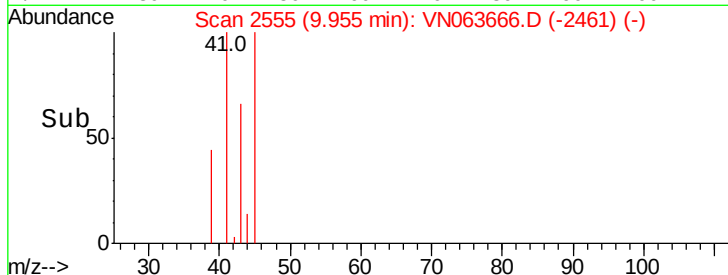
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.868 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063666.D

Acq: 25 Sep 2020 7:25

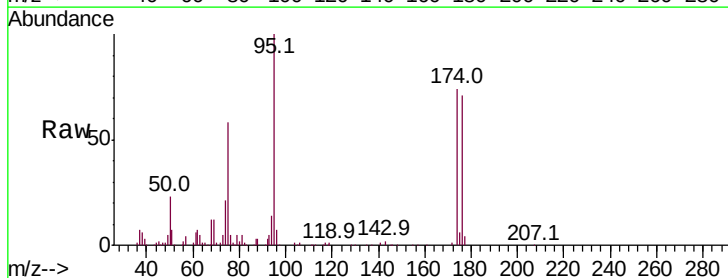
Tgt Ion: 95 Resp: 178830

Ion Ratio Lower Upper

95 100

174 73.3 0.0 140.8

176 70.8 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

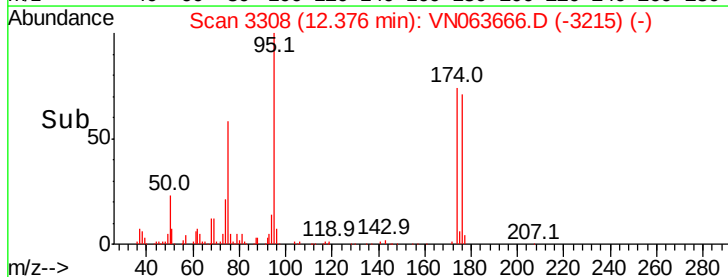
150000

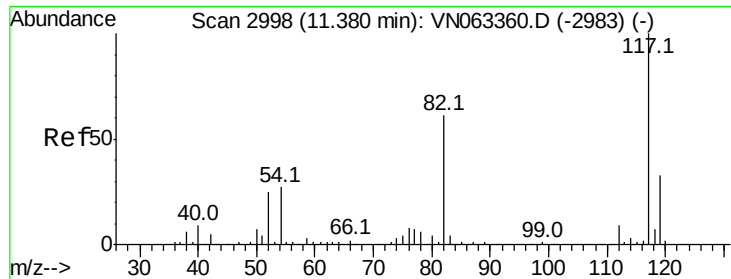
100000

50000

0

Time-->

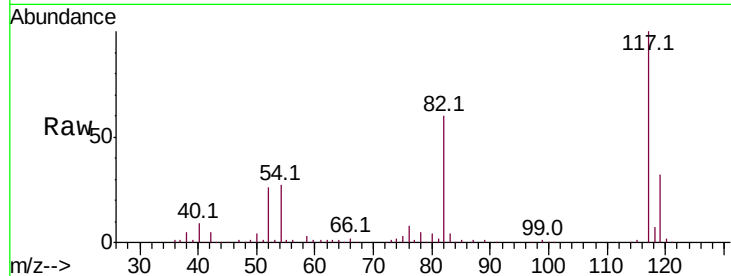




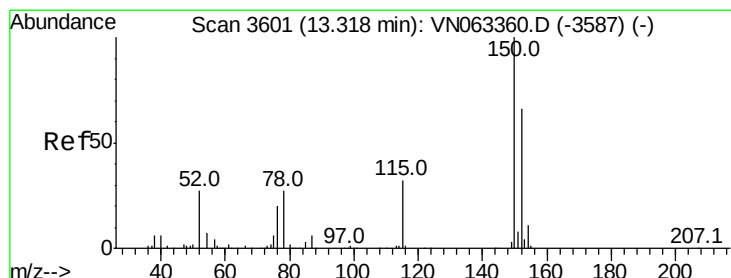
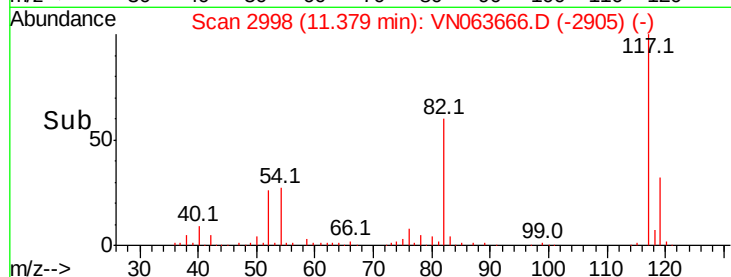
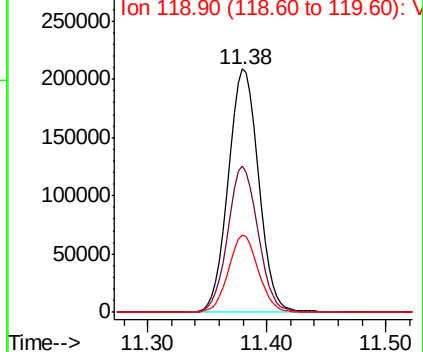
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063666.D
Acq: 25 Sep 2020 7:25

Instrument :
MSVOA_N
ClientSampleId :
DUP06-20200922

Tot Ion:117 Resp: 369922
Ion Ratio Lower Upper
117 100
82 60.1 49.2 73.8
119 32.0 26.2 39.4

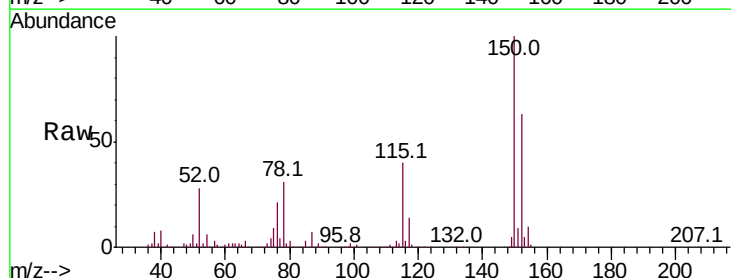


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

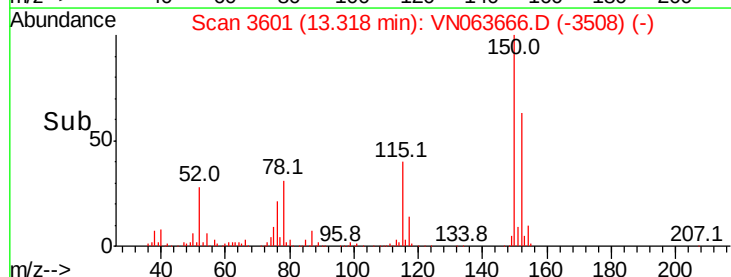
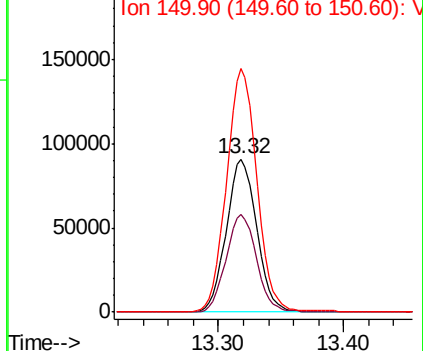


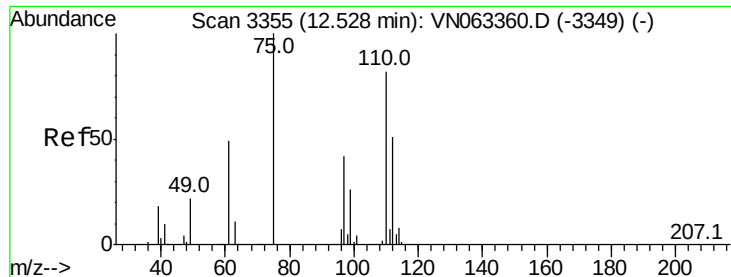
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063666.D
Acq: 25 Sep 2020 7:25

Tgt Ion:152 Resp: 153246
Ion Ratio Lower Upper
152 100
115 63.5 32.2 96.6
150 158.6 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: 27.115 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063666.D

Acq: 25 Sep 2020 7:25

Instrument :

MSVOA_N

ClientSampleId :

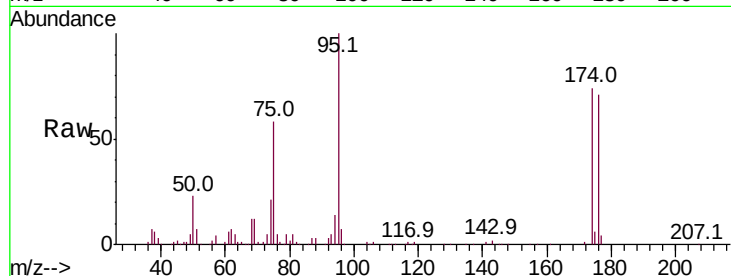
DUP06-20200922

Tot Ion: 75 Resp: 102848

Ion Ratio Lower Upper

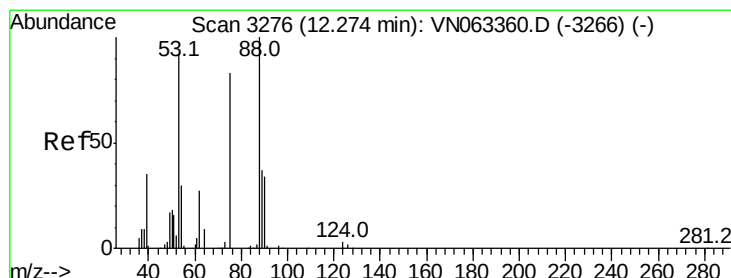
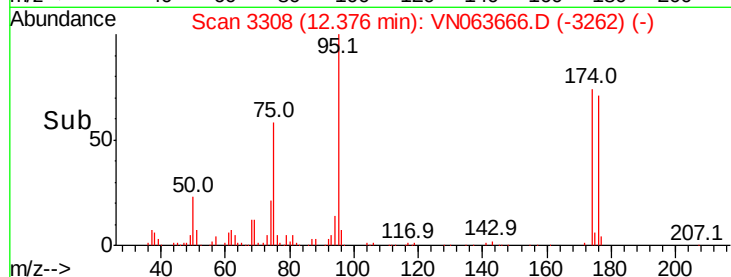
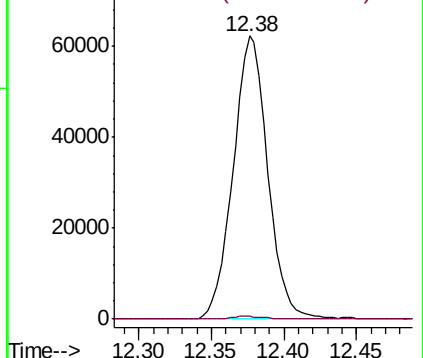
75 100

77 1.0 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: 74.339 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063666.D

Acq: 25 Sep 2020 7:25

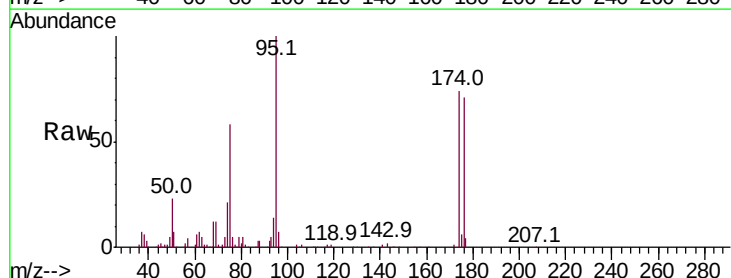
Tgt Ion: 75 Resp: 102848

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

