

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
 Data File : VN063637.D
 Acq On : 24 Sep 2020 18:40
 Operator : JC/MD
 Sample : L4119-14
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE123D2-20200922

Quant Time: Sep 25 03:50:18 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	196415	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	372930	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	383228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	159485	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	171040	51.16	ug/l	0.00
Spiked Amount			Recovery	=	102.32%	
35) Dibromofluoromethane	7.55	113	126552	49.02	ug/l	0.00
Spiked Amount			Recovery	=	98.04%	
50) Toluene-d8	10.06	98	478343	49.27	ug/l	0.00
Spiked Amount			Recovery	=	98.54%	
62) 4-Bromofluorobenzene	12.38	95	184471	51.84	ug/l	0.00
Spiked Amount			Recovery	=	103.68%	

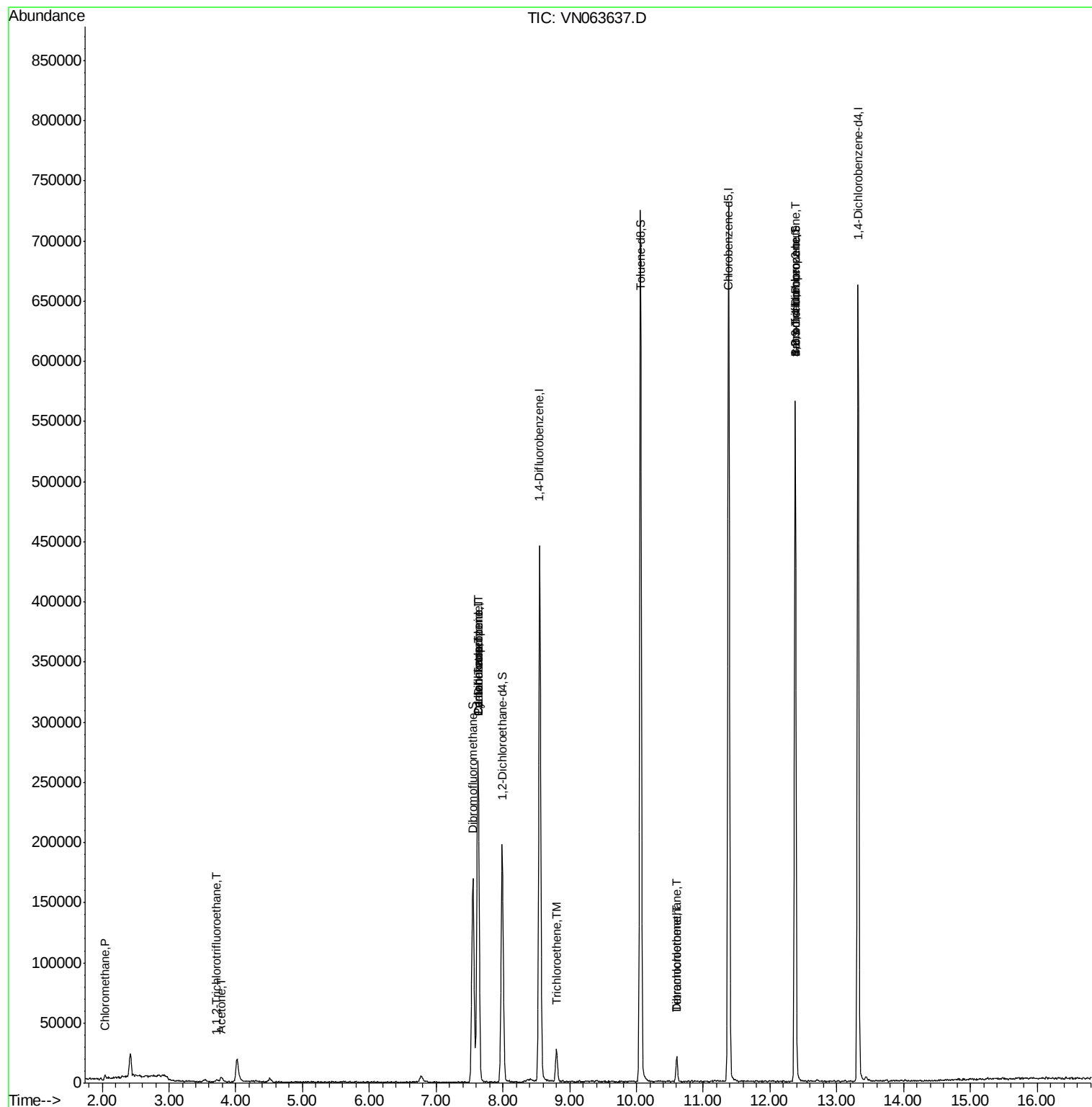
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	2849	0.968	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.72	101	460	0.210	ug/l #	44
16) Acetone	3.79	43	6327	5.888	ug/l #	83
31) Cyclohexane	7.63	56	6177	1.338	ug/l #	47
36) 1,1-Dichloropropene	7.63	75	18585	4.678	ug/l #	51
38) Carbon Tetrachloride	7.63	117	22554	5.561	ug/l #	17
44) Trichloroethene	8.80	130	8222	2.989	ug/l	93
60) Dibromochloromethane	10.60	129	4119	1.346	ug/l #	10
64) Tetrachloroethene	10.60	164	4461	1.710	ug/l	96
71) Bromoform	12.37	173	577	0.260	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	106652	27.018	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	106652	74.072	ug/l #	7

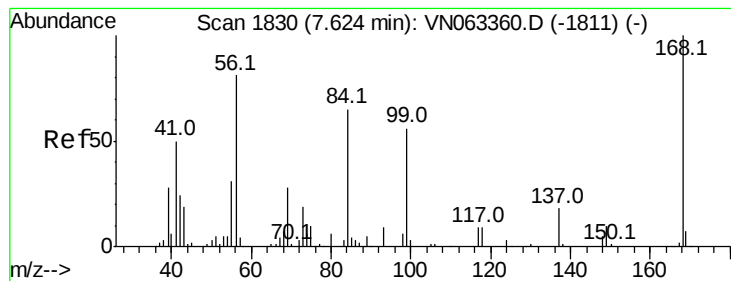
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1832

Delta R.T. 0.01 min

Lab File: VN063637.D

Acq: 24 Sep 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

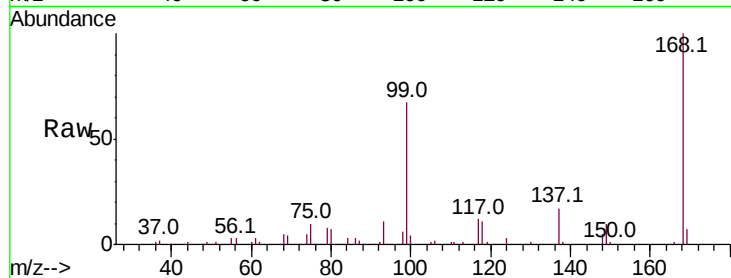
RE123D2-20200922

Tot Ion:168 Resp: 196415

Ion Ratio Lower Upper

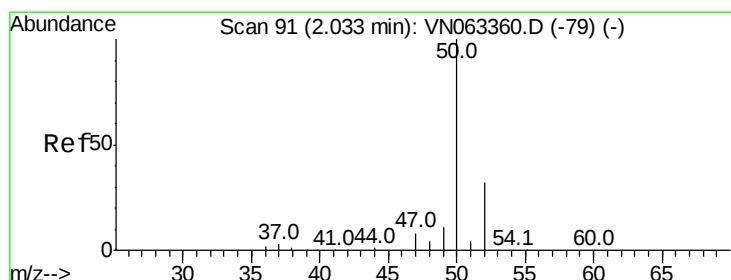
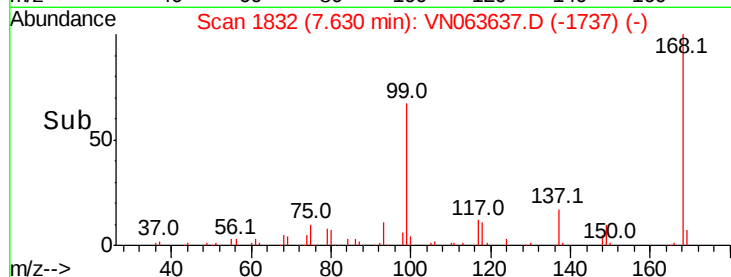
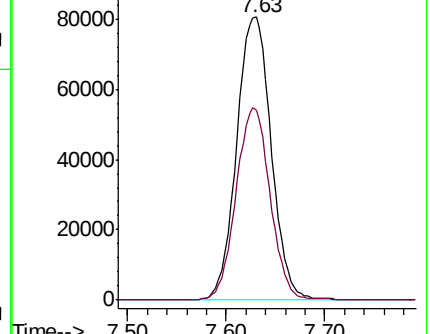
168 100

99 67.2 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.968 ug/l

RT: 2.04 min Scan# 93

Delta R.T. 0.01 min

Lab File: VN063637.D

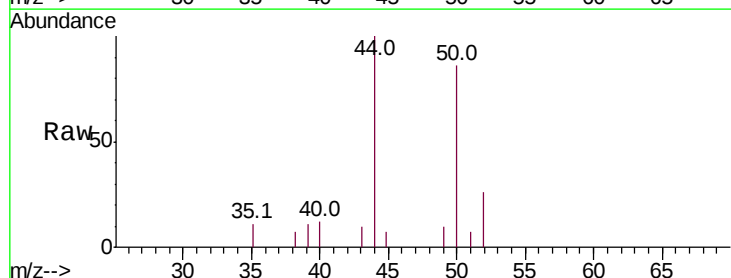
Acq: 24 Sep 2020 18:40

Tgt Ion: 50 Resp: 2849

Ion Ratio Lower Upper

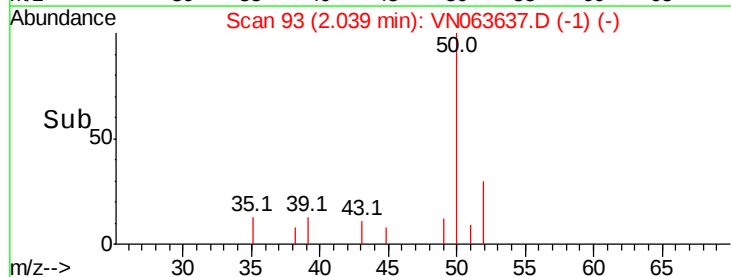
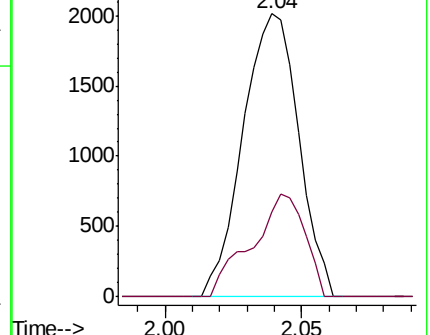
50 100

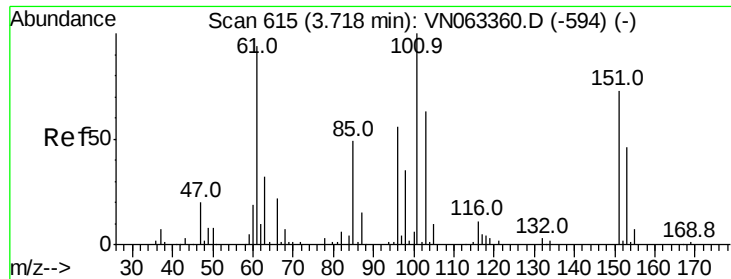
52 30.1 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.210 ug/l

RT: 3.72 min Scan# 615

Delta R.T. -0.00 min

Lab File: VN063637.D

Acq: 24 Sep 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

RE123D2-20200922

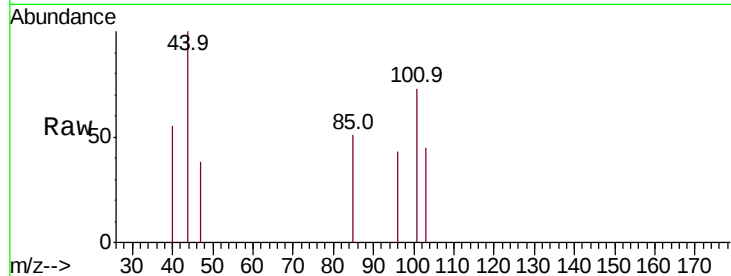
Tot Ion:101 Resp: 460

Ion Ratio Lower Upper

101 100

85 61.3 37.7 56.5#

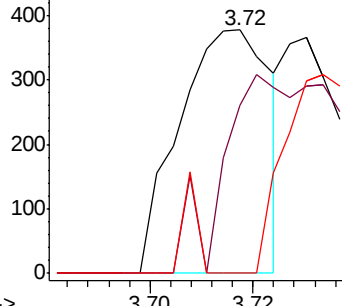
151 6.5 57.7 86.5#



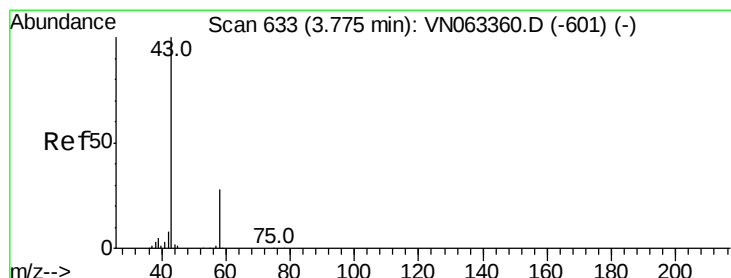
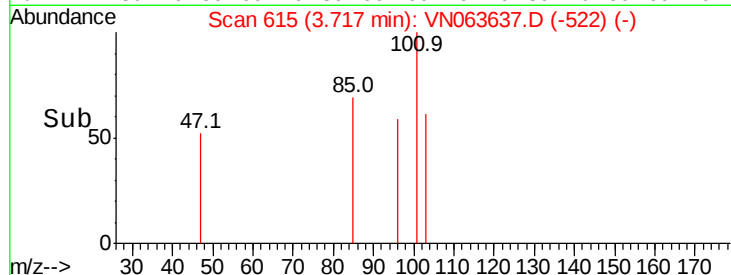
Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



Time-->



#16

Acetone

Concen: 5.888 ug/l

RT: 3.79 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN063637.D

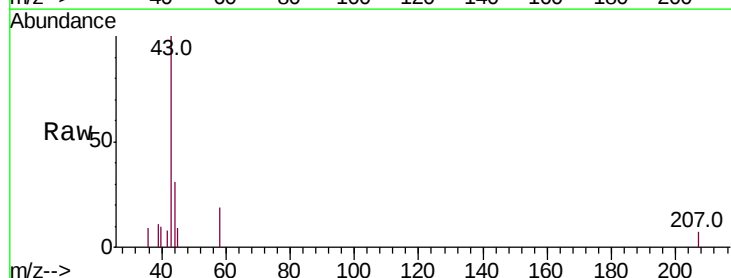
Acq: 24 Sep 2020 18:40

Tgt Ion: 43 Resp: 6327

Ion Ratio Lower Upper

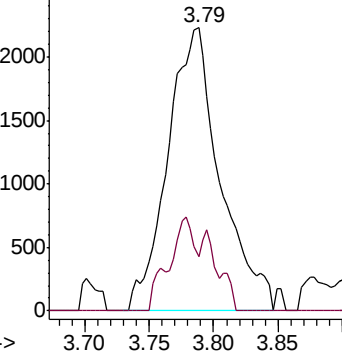
43 100

58 19.2 22.3 33.5#

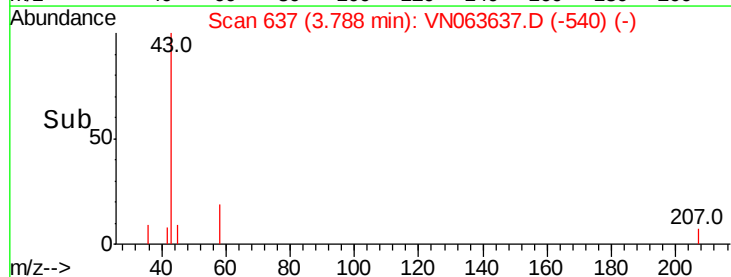


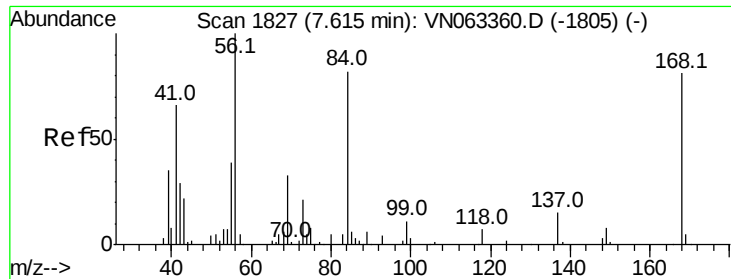
Abundance Ion 43.00 (42.70 to 43.70): VN

Ion 58.00 (57.70 to 58.70): VN



Time-->

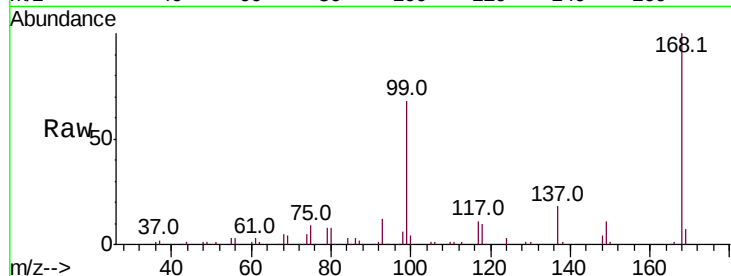




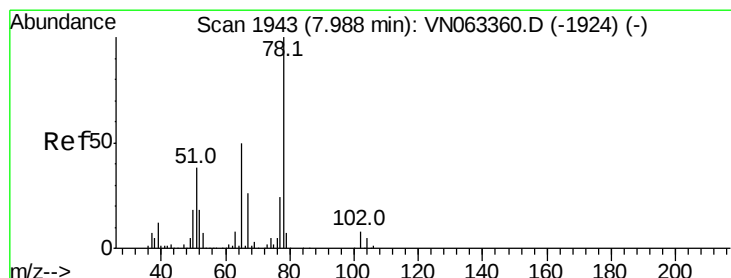
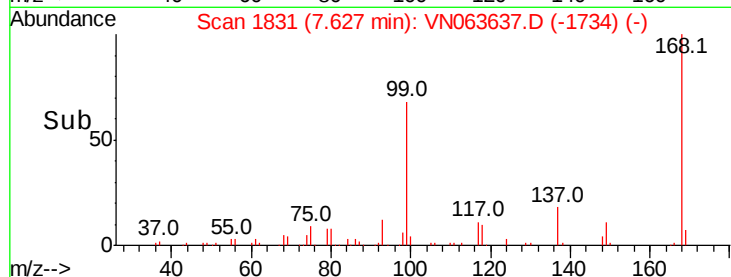
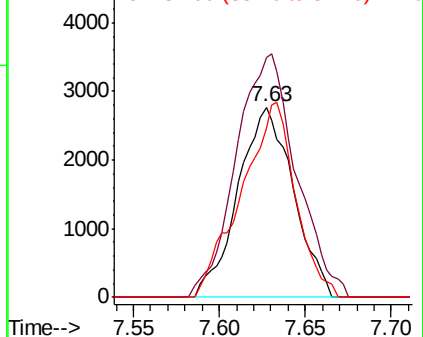
#31
Cyclohexane
Concen: 1.338 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN063637.D
Acq: 24 Sep 2020 18:40

Instrument :
MSVOA_N
ClientSampleId :
RE123D2-20200922

Tot Ion: 56 Resp: 6177
Ion Ratio Lower Upper
56 100
69 125.7 26.1 39.1#
84 88.9 65.4 98.2

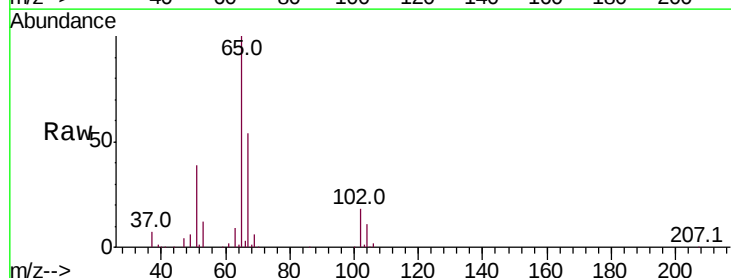


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

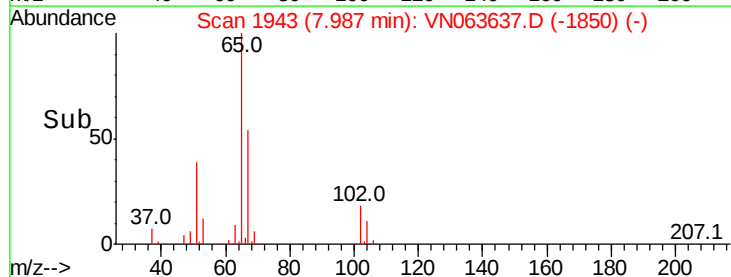
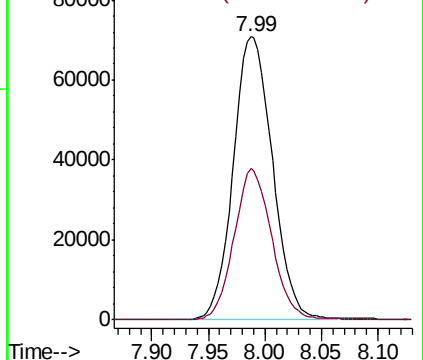


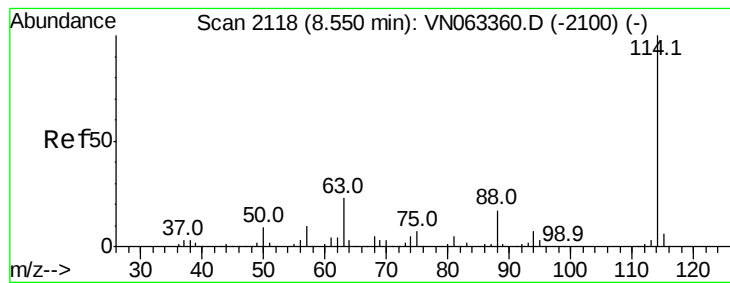
#33
1,2-Dichloroethane-d4
Concen: 51.156 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063637.D
Acq: 24 Sep 2020 18:40

Tgt Ion: 65 Resp: 171040
Ion Ratio Lower Upper
65 100
67 51.4 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: VN063637.D

Acq: 24 Sep 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

RE123D2-20200922

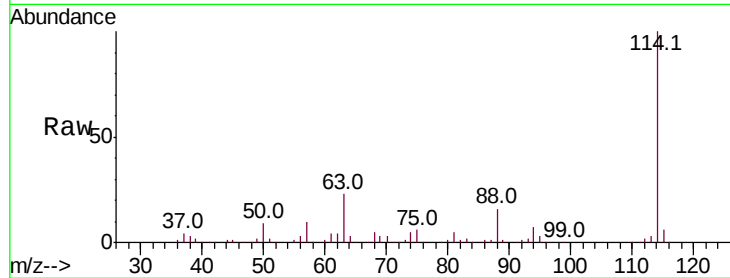
Tot Ion:114 Resp: 372930

Ion Ratio Lower Upper

114 100

63 23.1 0.0 46.4

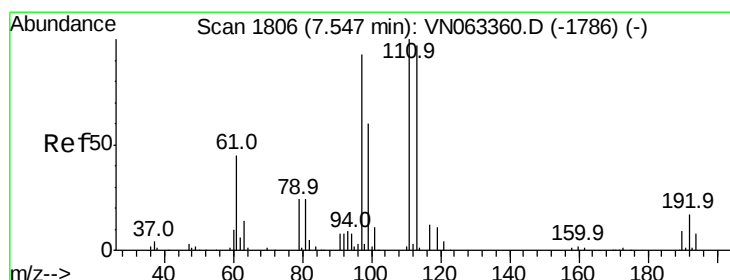
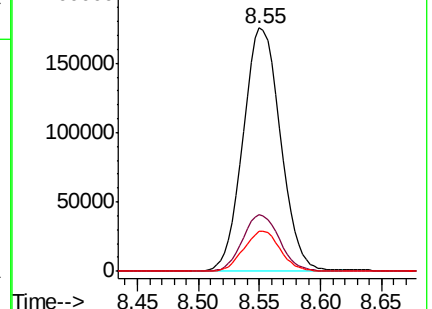
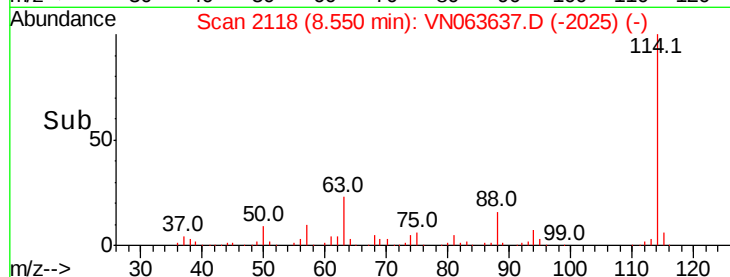
88 16.2 0.0 33.2



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: 49.019 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063637.D

Acq: 24 Sep 2020 18:40

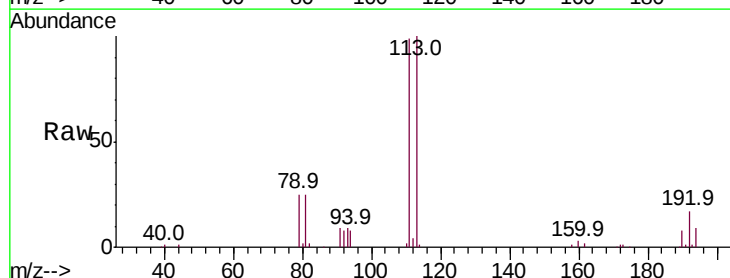
Tgt Ion:113 Resp: 126552

Ion Ratio Lower Upper

113 100

111 101.2 82.9 124.3

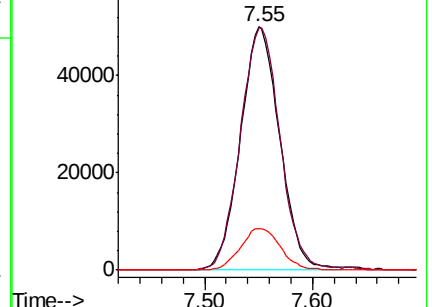
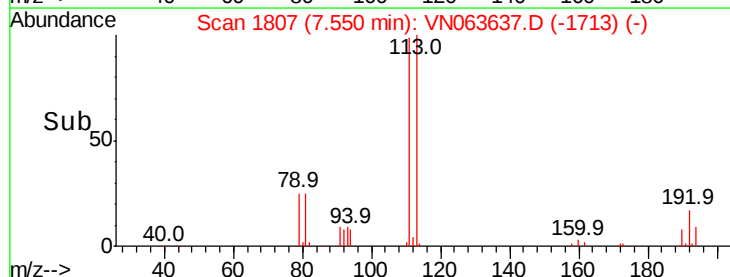
192 17.5 13.9 20.9

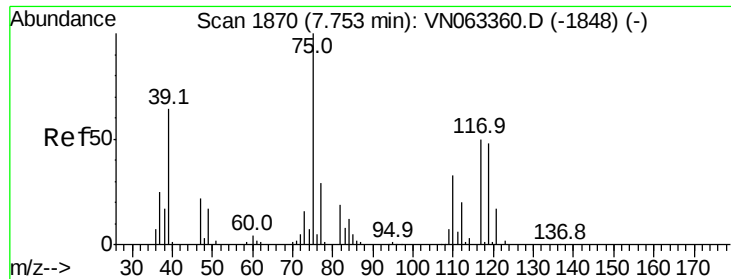


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.678 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.12 min

Lab File: VN063637.D

Acq: 24 Sep 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

RE123D2-20200922

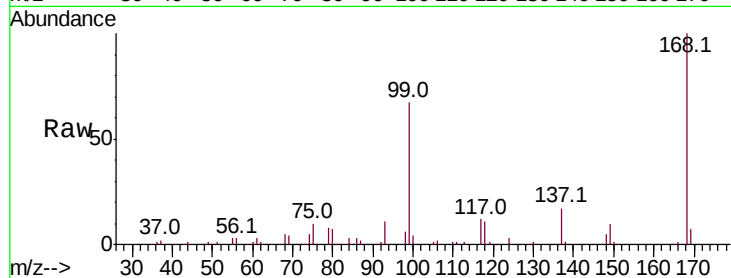
Tot Ion: 75 Resp: 18585

Ion Ratio Lower Upper

75 100

110 8.6 16.5 49.5#

77 0.0 24.6 36.8#

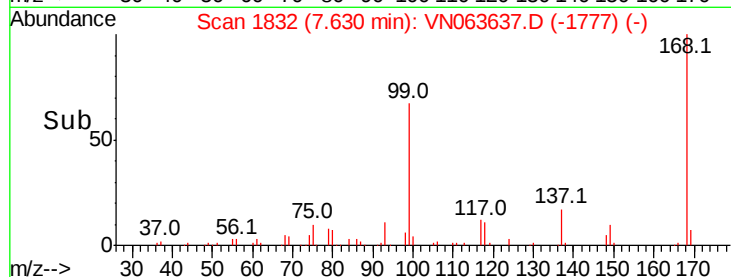


Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-1848) (-)

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

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

Time-->

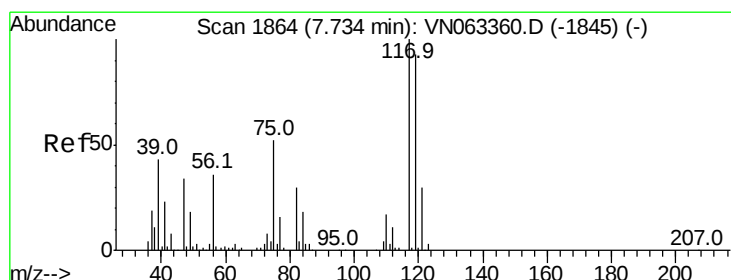


Abundance Ion 74.90 (74.60 to 75.60): VN063637.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN063637.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN063637.D (-1777) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.561 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.10 min

Lab File: VN063637.D

Acq: 24 Sep 2020 18:40

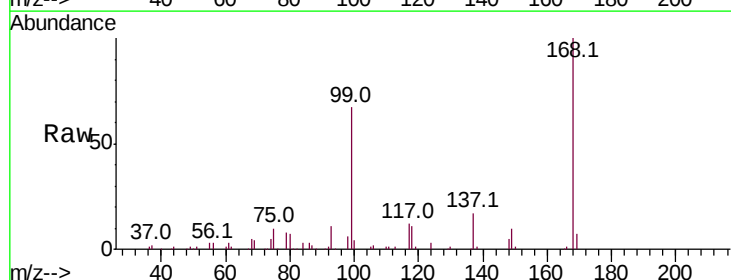
Tgt Ion: 117 Resp: 22554

Ion Ratio Lower Upper

117 100

119 4.5 74.5 111.7#

121 0.0 24.1 36.1#

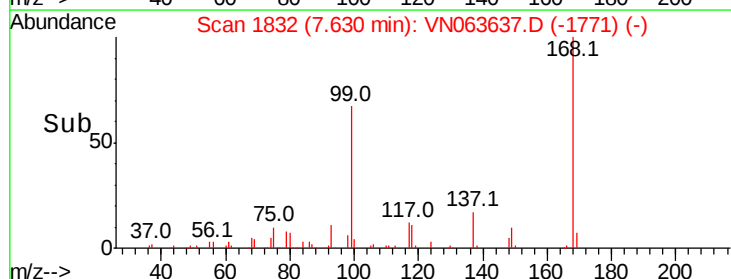


Abundance Ion 116.80 (116.50 to 117.50): VN063360.D (-1845) (-)

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

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

Time-->

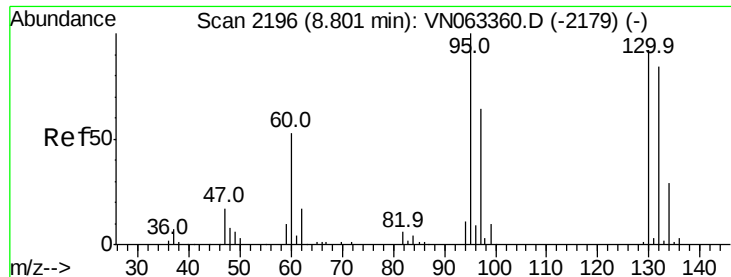


Abundance Ion 116.80 (116.50 to 117.50): VN063637.D (-1771) (-)

Ion 118.80 (118.50 to 119.50): VN063637.D (-1771) (-)

Ion 120.80 (120.50 to 121.50): VN063637.D (-1771) (-)

Time-->



#44

Trichloroethene

Concen: 2.989 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN063637.D

Acq: 24 Sep 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

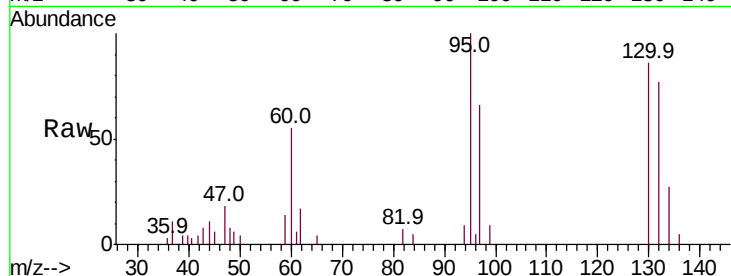
RE123D2-20200922

Tot Ion:130 Resp: 8222

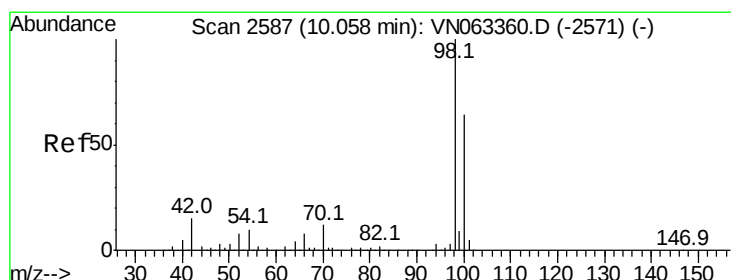
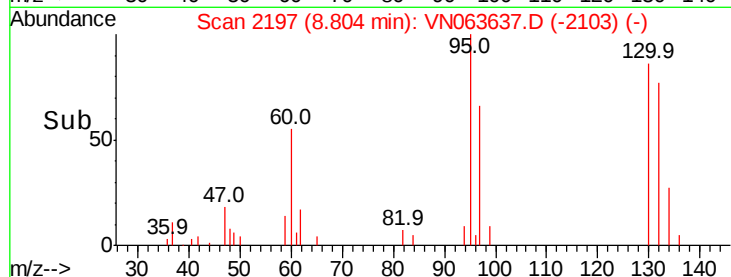
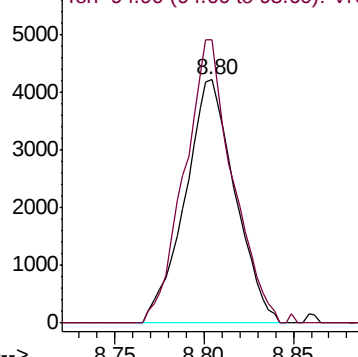
Ion Ratio Lower Upper

130 100

95 116.1 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): VN063360.D (-2179) (-)



#50

Toluene-d8

Concen: 49.274 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063637.D

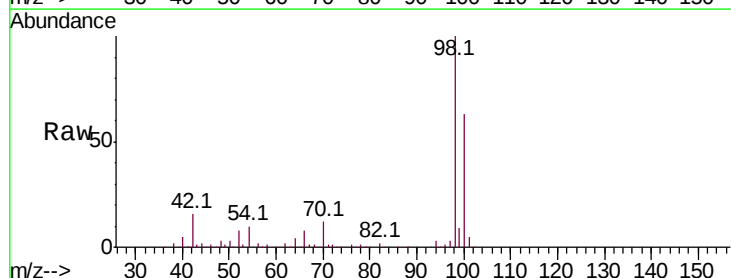
Acq: 24 Sep 2020 18:40

Tgt Ion: 98 Resp: 478343

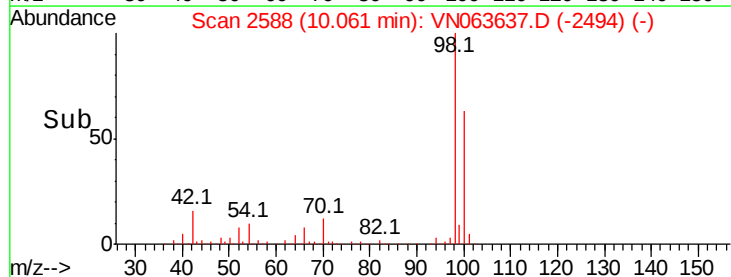
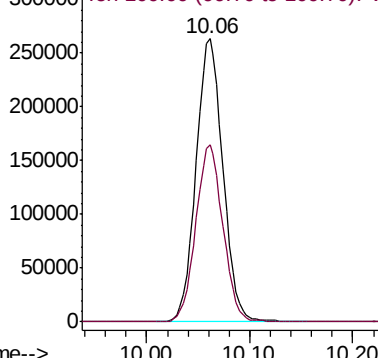
Ion Ratio Lower Upper

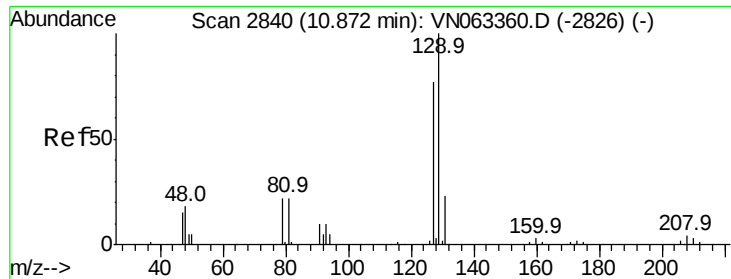
98 100

100 62.9 50.7 76.1



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





#60

Dibromochloromethane

Concen: 1.346 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.27 min

Lab File: VN063637.D

Acq: 24 Sep 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

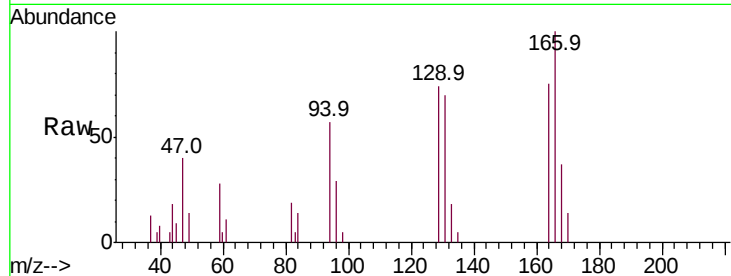
RE123D2-20200922

Tot Ion:129 Resp: 4119

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

2500

2000

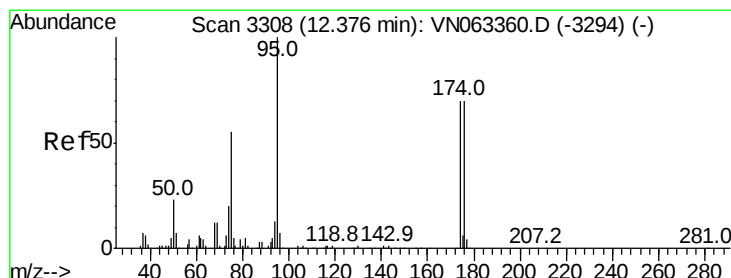
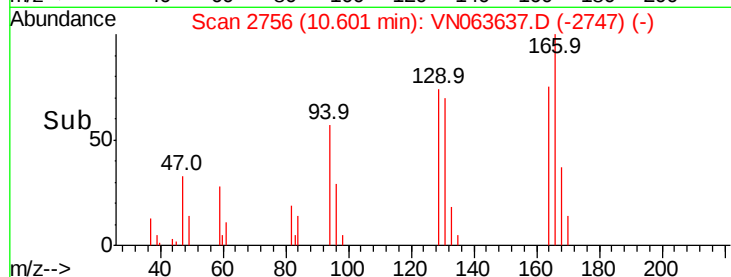
1500

1000

500

0

Time-->



#62

4-Bromofluorobenzene

Concen: 51.837 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063637.D

Acq: 24 Sep 2020 18:40

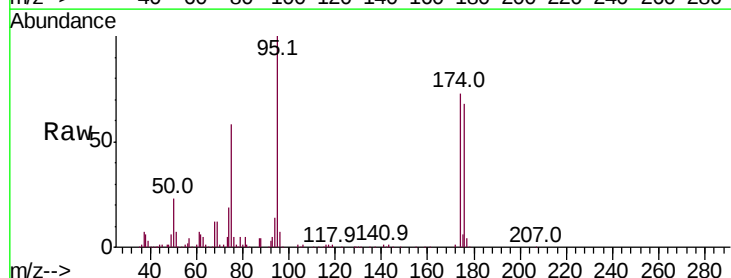
Tgt Ion: 95 Resp: 184471

Ion Ratio Lower Upper

95 100

174 73.9 0.0 140.8

176 70.9 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

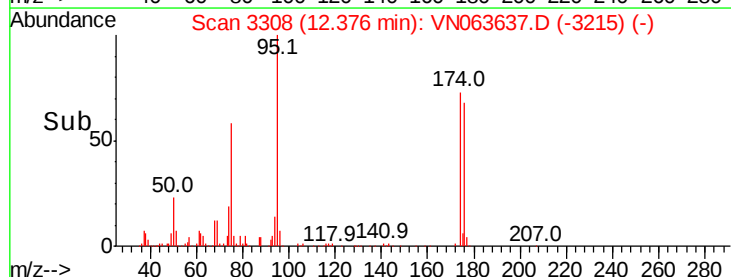
150000

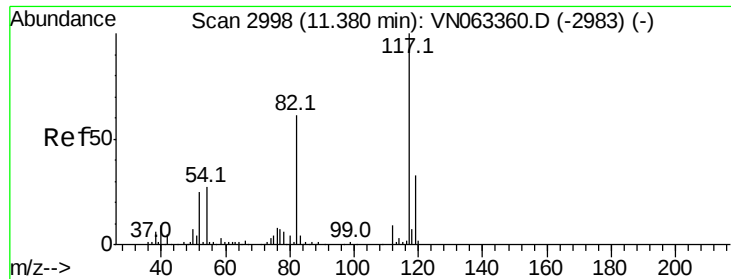
100000

50000

0

Time-->

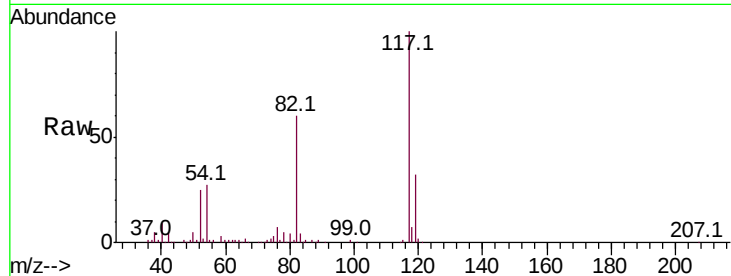




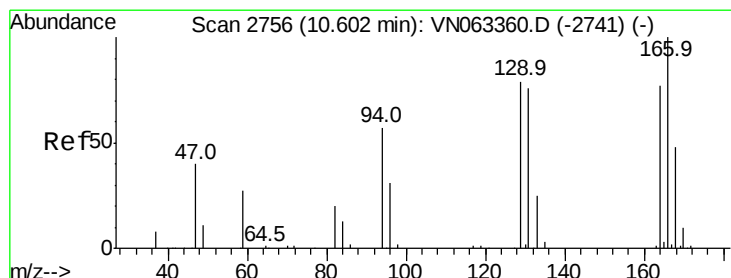
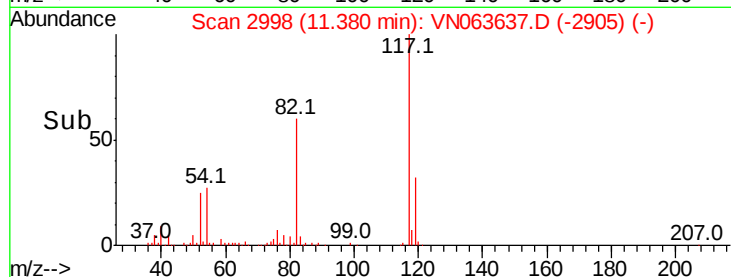
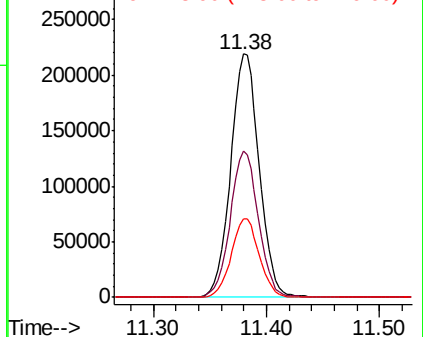
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063637.D
Acq: 24 Sep 2020 18:40

Instrument :
MSVOA_N
ClientSampleId :
RE123D2-20200922

Tot Ion:117 Resp: 383228
Ion Ratio Lower Upper
117 100
82 59.9 49.2 73.8
119 32.3 26.2 39.4

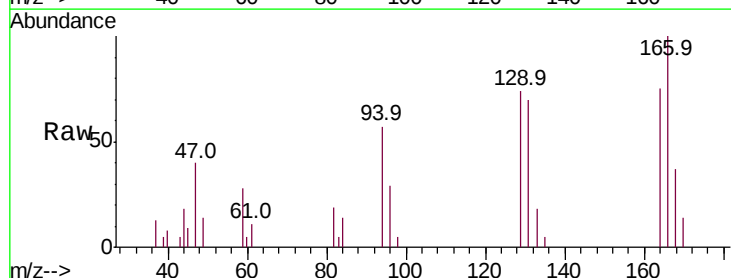


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

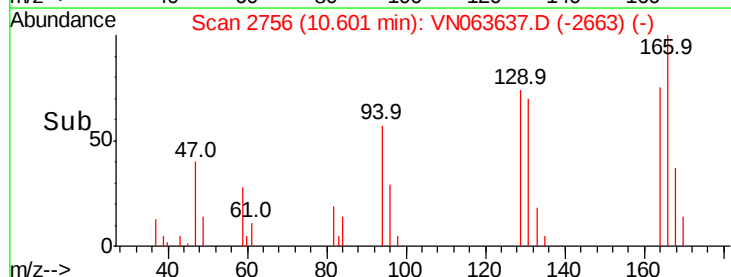
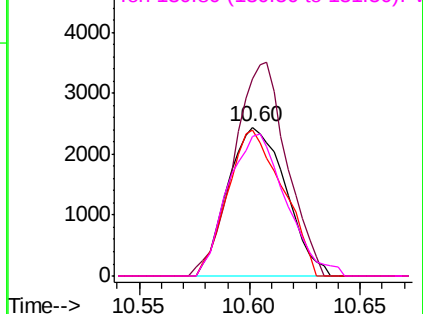


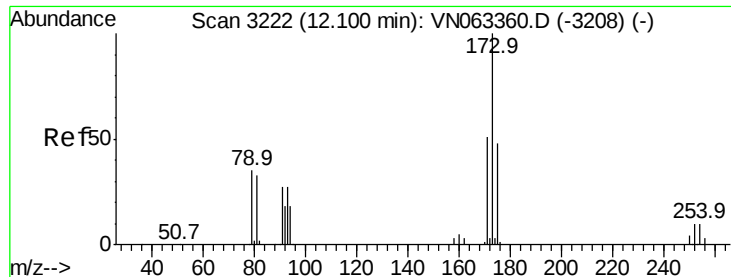
#64
Tetrachloroethene
Concen: 1.710 ug/l
RT: 10.60 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VN063637.D
Acq: 24 Sep 2020 18:40

Tgt Ion:164 Resp: 4461
Ion Ratio Lower Upper
164 100
166 132.6 103.4 155.0
129 98.4 81.8 122.6
131 93.3 78.2 117.4



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





#71

Bromoform

Concen: 0.260 ug/l

RT: 12.37 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN063637.D

Acq: 24 Sep 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

RE123D2-20200922

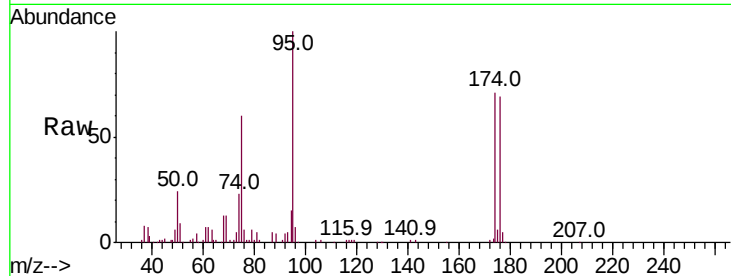
Tot Ion:173 Resp: 577

Ion Ratio Lower Upper

173 100

175 1515.1 24.0 72.0#

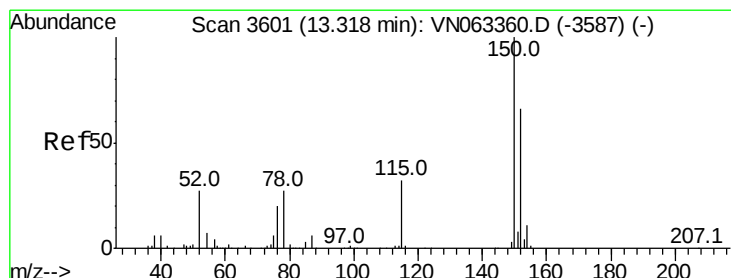
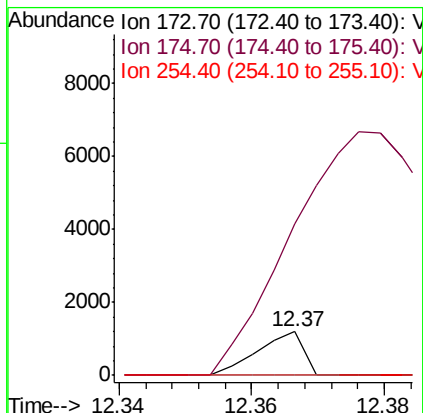
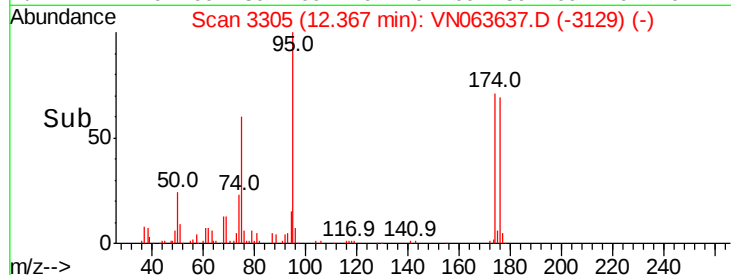
254 0.0 0.0 0.0



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: VN063637.D

Acq: 24 Sep 2020 18:40

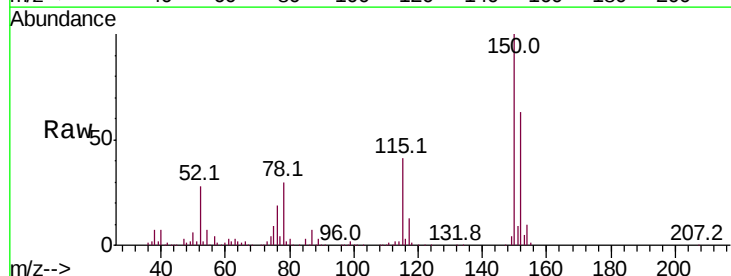
Tgt Ion:152 Resp: 159485

Ion Ratio Lower Upper

152 100

115 63.4 32.2 96.6

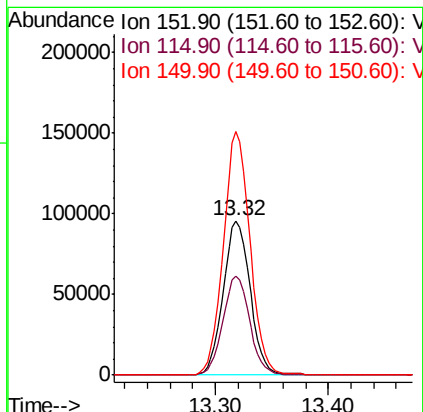
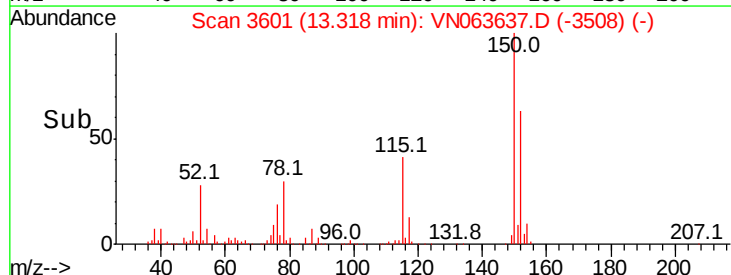
150 155.3 0.0 343.4

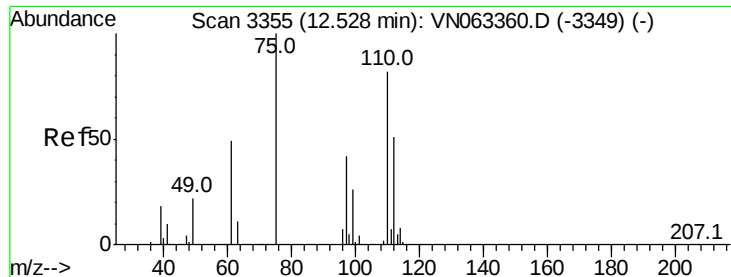


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.018 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063637.D

Acq: 24 Sep 2020 18:40

Instrument :

MSVOA_N

ClientSampleId :

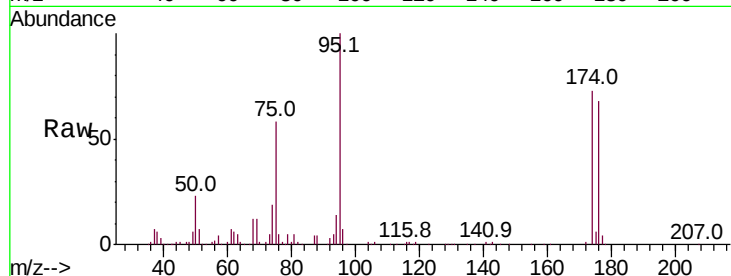
RE123D2-20200922

Tot Ion: 75 Resp: 106652

Ion Ratio Lower Upper

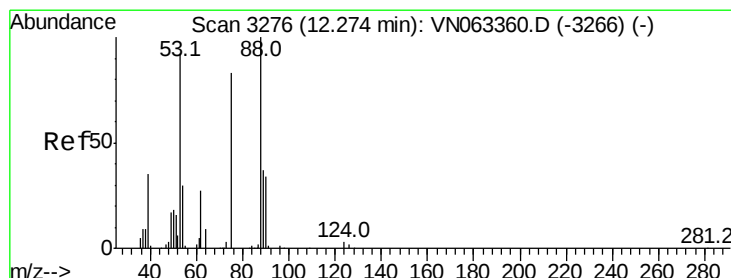
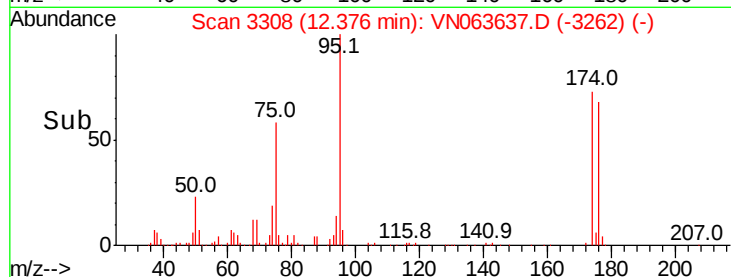
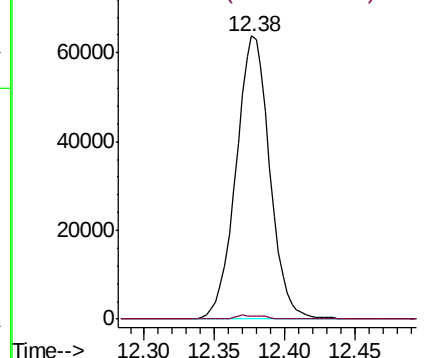
75 100

77 1.2 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: 74.072 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063637.D

Acq: 24 Sep 2020 18:40

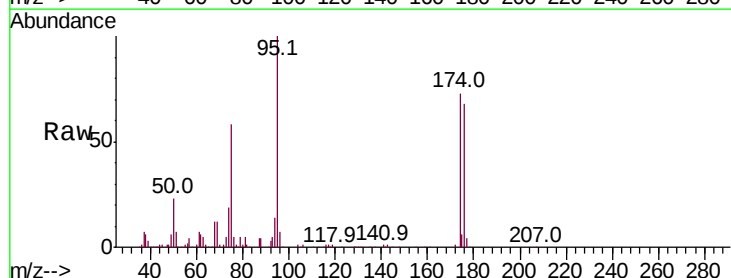
Tgt Ion: 75 Resp: 106652

Ion Ratio Lower Upper

75 100

53 0.3 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

