

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
 Data File : VN063652.D
 Acq On : 25 Sep 2020 1:50
 Operator : JC/MD
 Sample : L3871-29
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TR-04-092320

Quant Time: Sep 25 05:37:07 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	197061	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	369384	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	377399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	158439	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	170404	50.80	ug/l	0.00
Spiked Amount			Recovery	=	101.60%	
35) Dibromofluoromethane	7.55	113	120839	47.25	ug/l	0.00
Spiked Amount			Recovery	=	94.50%	
50) Toluene-d8	10.06	98	482278	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
62) 4-Bromofluorobenzene	12.38	95	186253	52.84	ug/l	0.00
Spiked Amount			Recovery	=	105.68%	

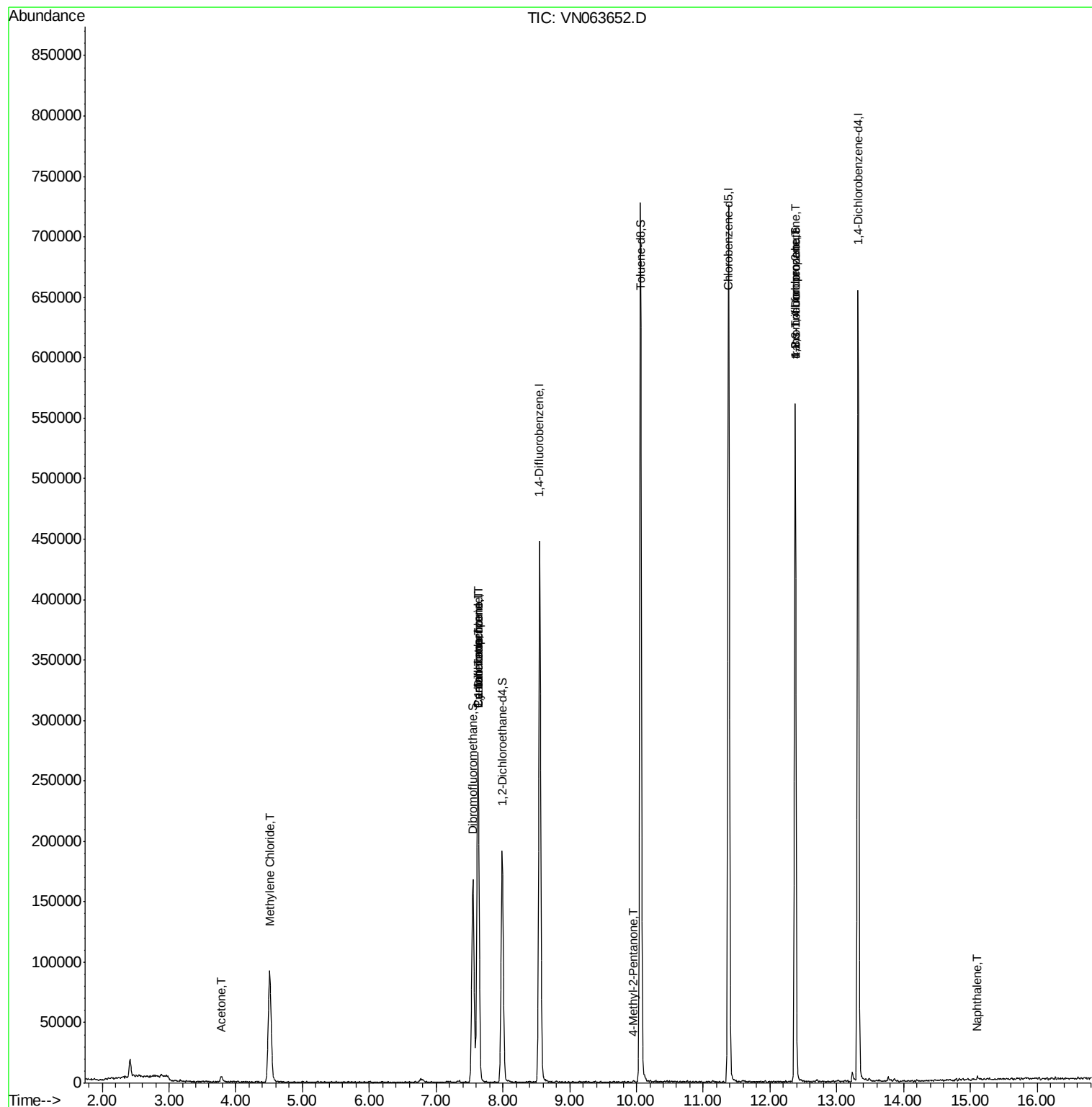
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.78	43	7578	7.029	ug/l	95
20) Methylene Chloride	4.51	84	65741	24.068	ug/l	91
31) Cyclohexane	7.63	56	6076	1.311	ug/l #	42
36) 1,1-Dichloropropene	7.63	75	18529	4.708	ug/l #	49
38) Carbon Tetrachloride	7.63	117	21480	5.347	ug/l #	16
51) 4-Methyl-2-Pentanone	9.96	43	1386	0.358	ug/l #	39
76) 1,2,3-Trichloropropane	12.38	75	103855	26.483	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	103855	72.606	ug/l #	7
95) Naphthalene	15.11	128	2171	0.214	ug/l #	90

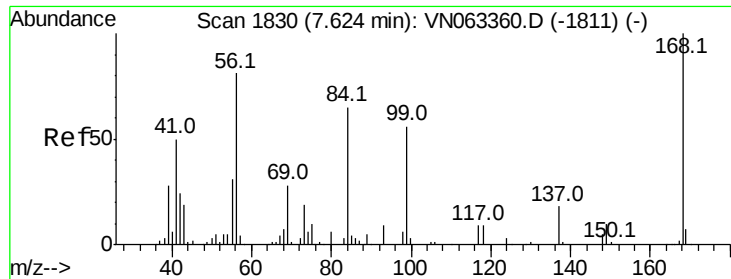
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063652.D

Acq: 25 Sep 2020 1:50

Instrument :

MSVOA_N

ClientSampleId :

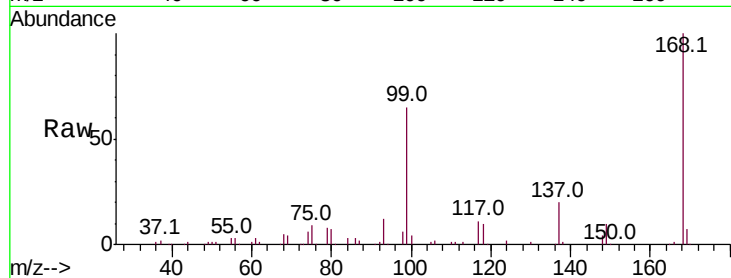
TR-04-092320

Tot Ion:168 Resp: 197061

Ion Ratio Lower Upper

168 100

99 64.6 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

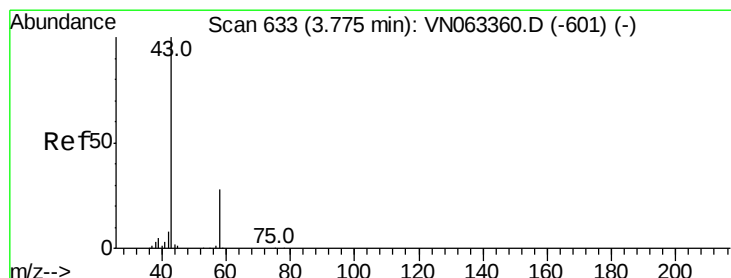
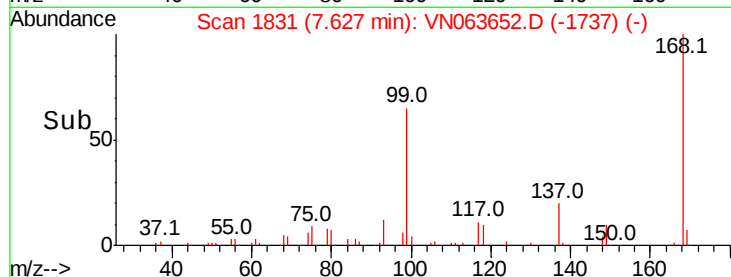
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#16

Acetone

Concen: 7.029 ug/l

RT: 3.78 min Scan# 635

Delta R.T. 0.01 min

Lab File: VN063652.D

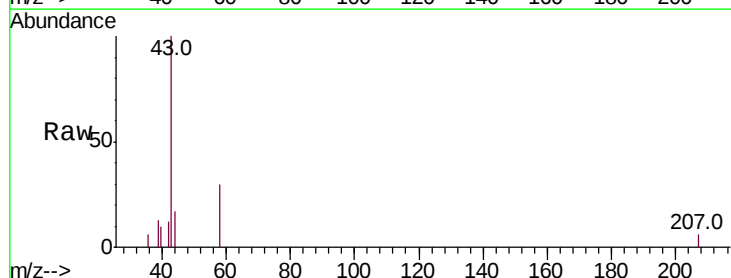
Acq: 25 Sep 2020 1:50

Tgt Ion: 43 Resp: 7578

Ion Ratio Lower Upper

43 100

58 30.4 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

3000

2500

2000

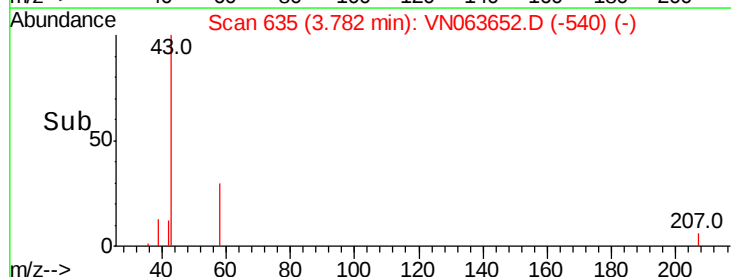
1500

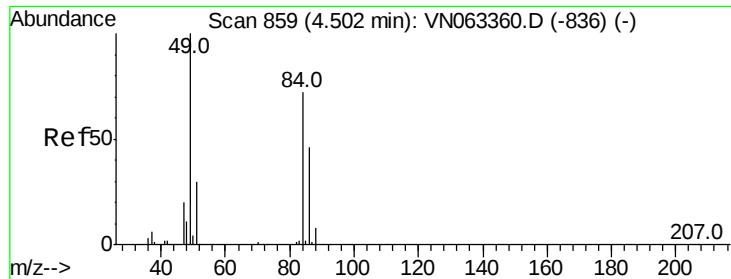
1000

500

0

Time--> 3.70 3.75 3.80 3.85

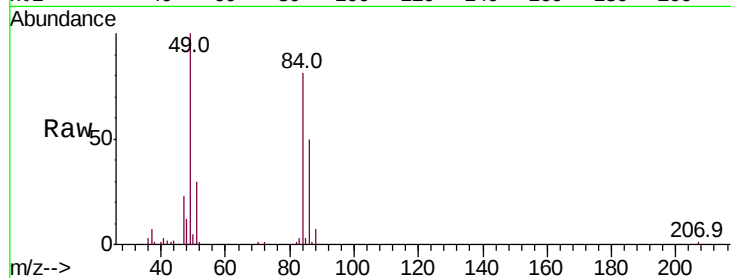




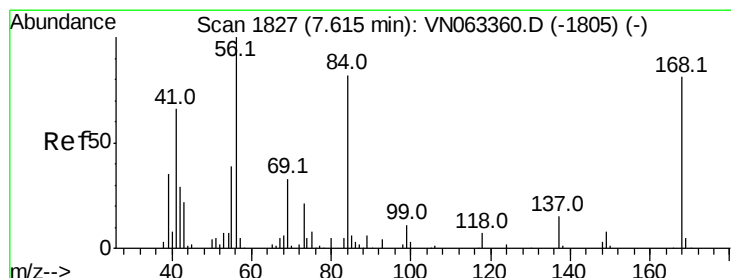
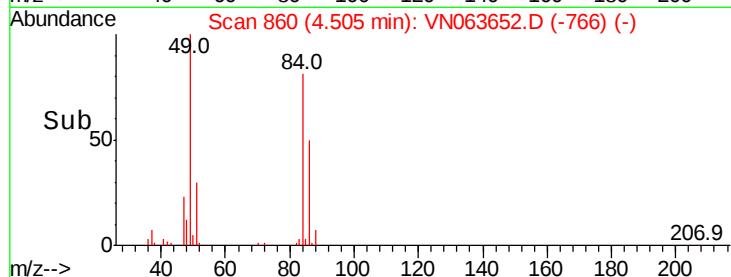
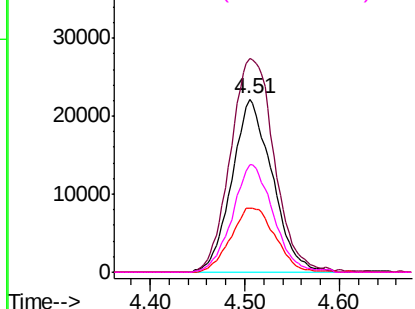
#20
Methvlene Chloride
Concen: 24.068 ug/l
RT: 4.51 min Scan# 860
Delta R.T. 0.00 min
Lab File: VN063652.D
Acq: 25 Sep 2020 1:50

Instrument :
MSVOA_N
ClientSampleId :
TR-04-092320

Tot Ion:	84	Resp:	65741
Ion	Ratio	Lower	Upper
84	100		
49	123.6	110.7	166.1
51	37.3	32.9	49.3
86	62.2	51.1	76.7

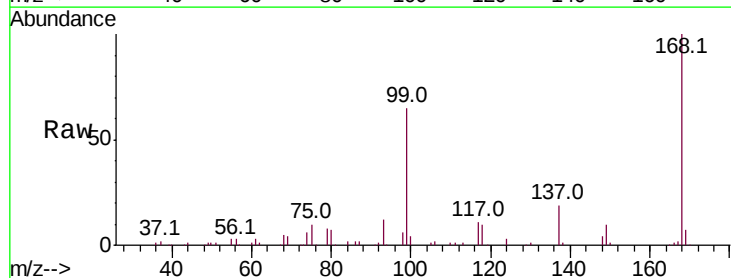


Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0

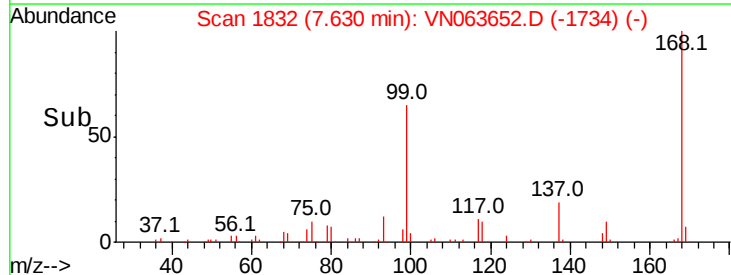
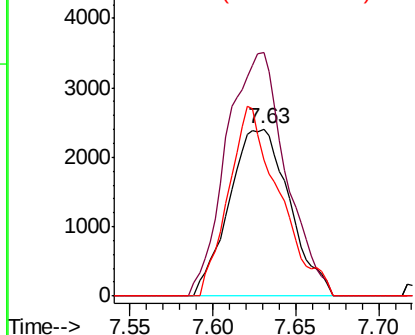


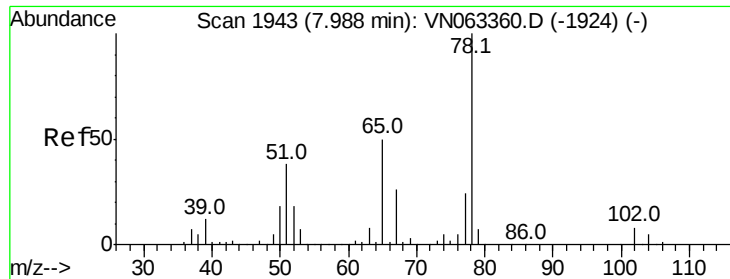
#31
Cyclohexane
Concen: 1.311 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN063652.D
Acq: 25 Sep 2020 1:50

Tgt Ion:	56	Resp:	6076
Ion	Ratio	Lower	Upper
56	100		
69	145.7	26.1	39.1#
84	81.4	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

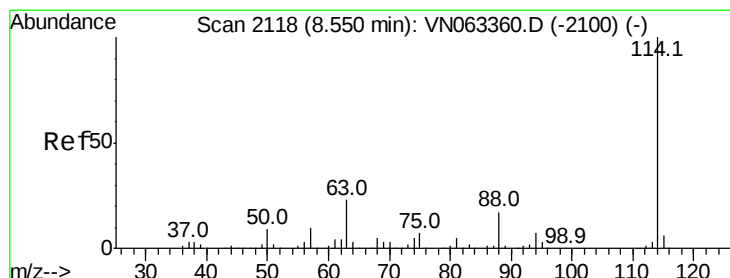
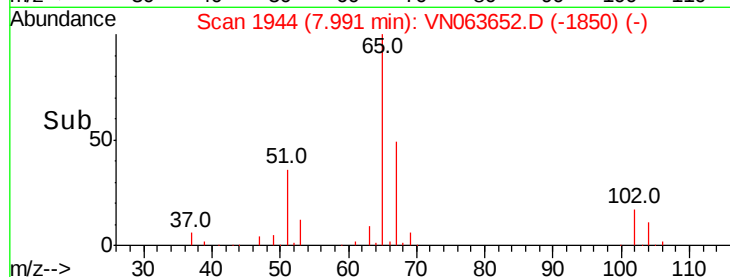
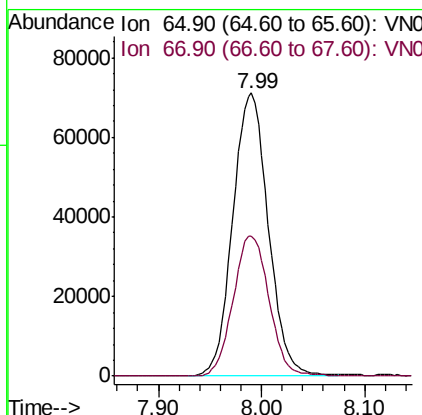
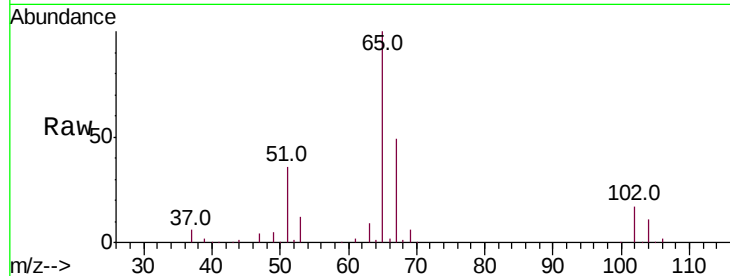




#33
 1,2-Dichloroethane-d4
 Concen: 50.799 ug/l
 RT: 7.99 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN063652.D
 Acq: 25 Sep 2020 1:50

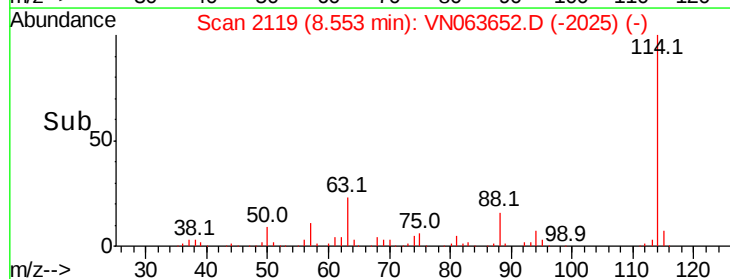
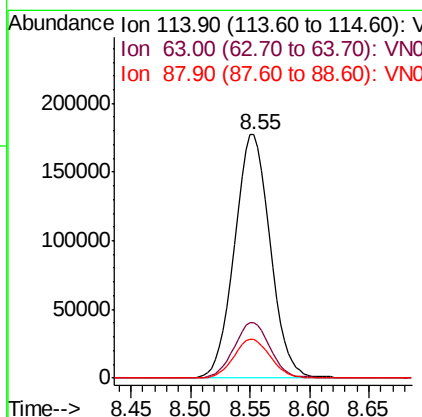
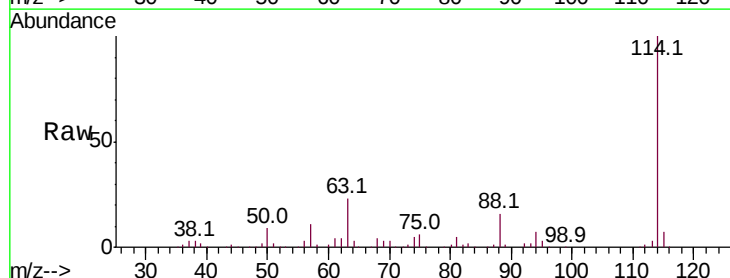
Instrument :
 MSVOA_N
 ClientSampleId :
 TR-04-092320

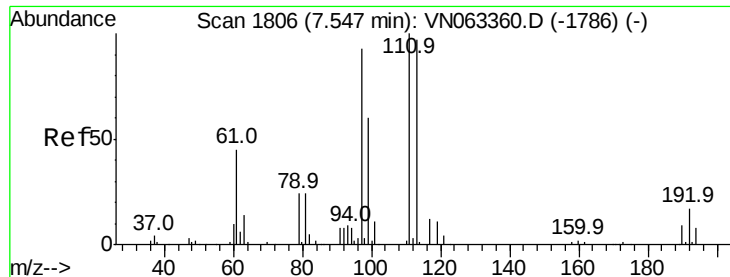
Tot Ion: 65 Resp: 170404
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN063652.D
 Acq: 25 Sep 2020 1:50

Tgt Ion: 114 Resp: 369384
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 46.4
 88 15.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 47.255 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063652.D

Acq: 25 Sep 2020 1:50

Instrument :

MSVOA_N

ClientSampleId :

TR-04-092320

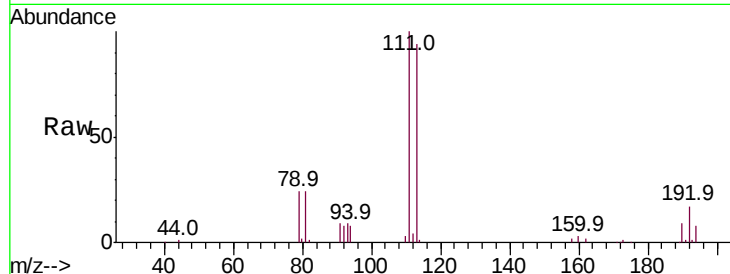
Tot Ion:113 Resp: 120839

Ion Ratio Lower Upper

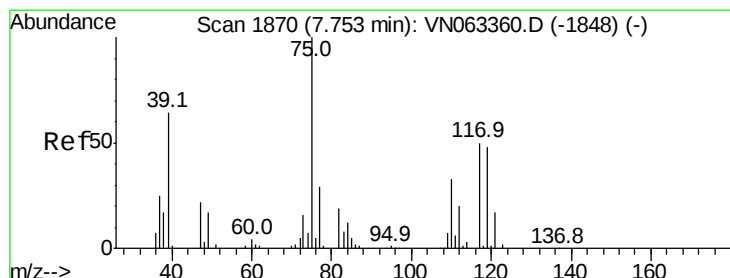
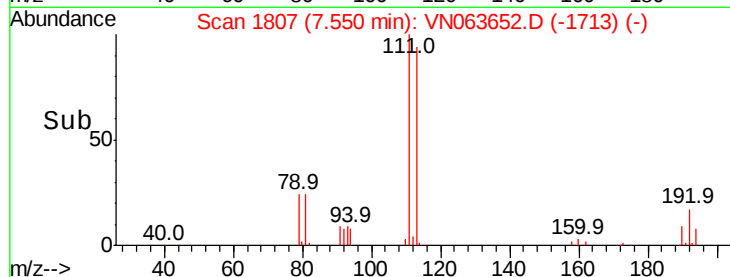
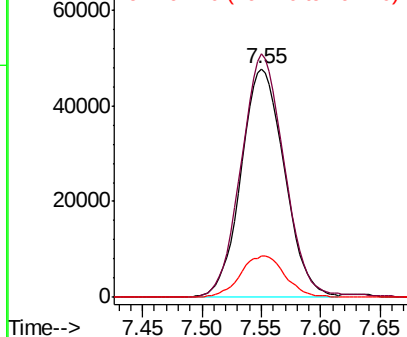
113 100

111 105.7 82.9 124.3

192 18.7 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: 4.708 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.12 min

Lab File: VN063652.D

Acq: 25 Sep 2020 1:50

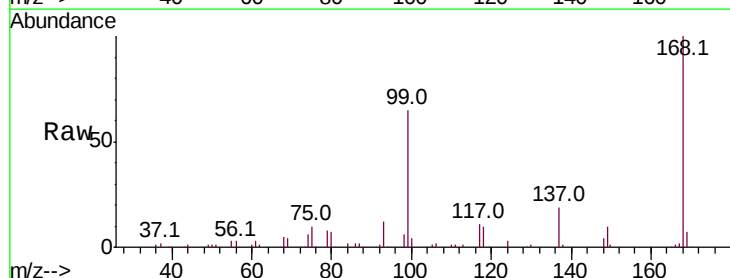
Tgt Ion: 75 Resp: 18529

Ion Ratio Lower Upper

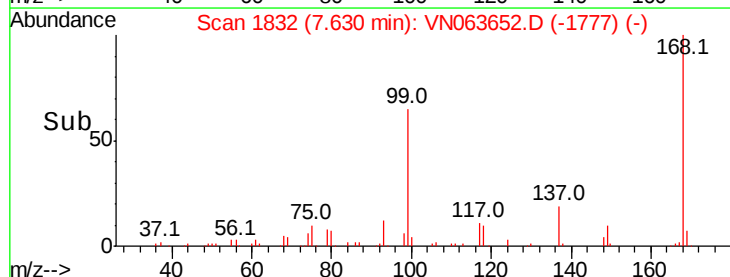
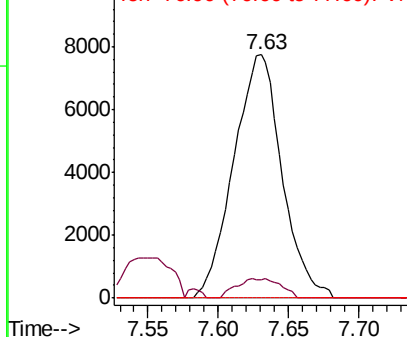
75 100

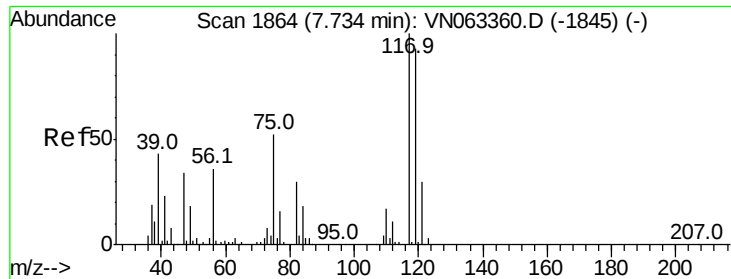
110 7.4 16.5 49.5#

77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.347 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063652.D

Acq: 25 Sep 2020 1:50

Instrument :

MSVOA_N

ClientSampleId :

TR-04-092320

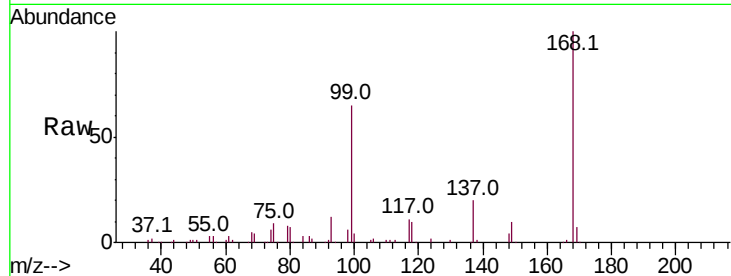
Tot Ion:117 Resp: 21480

Ion Ratio Lower Upper

117 100

119 4.1 74.5 111.7#

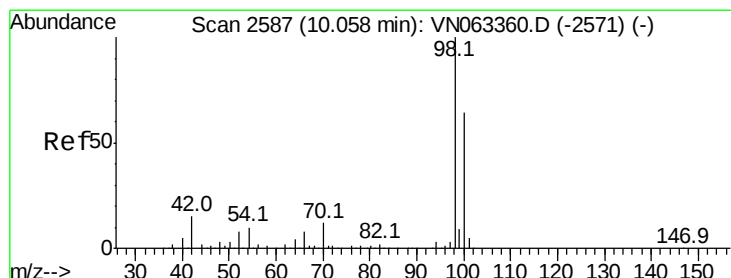
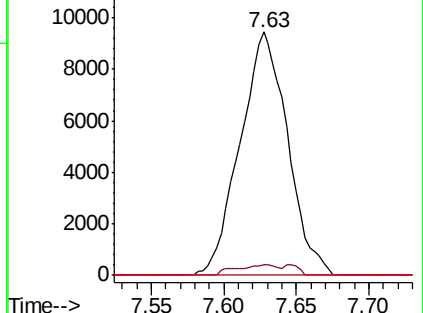
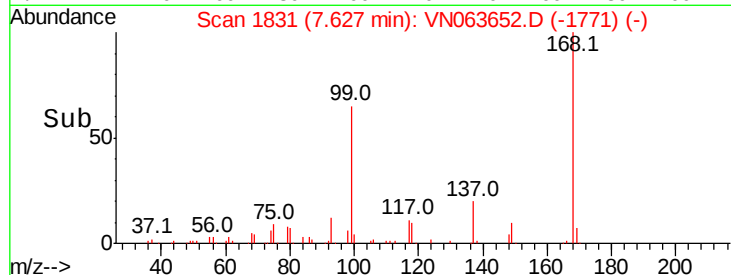
121 0.0 24.1 36.1#



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: 50.157 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063652.D

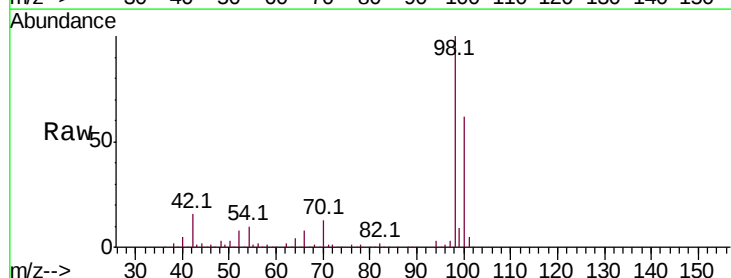
Acq: 25 Sep 2020 1:50

Tgt Ion: 98 Resp: 482278

Ion Ratio Lower Upper

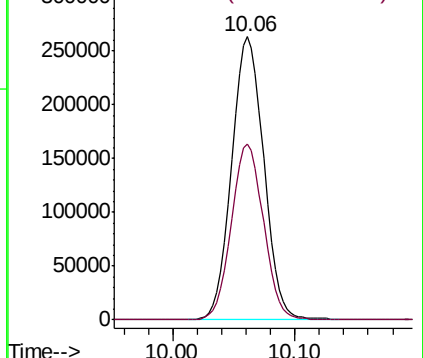
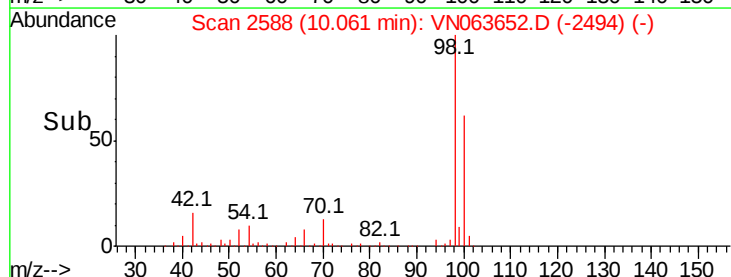
98 100

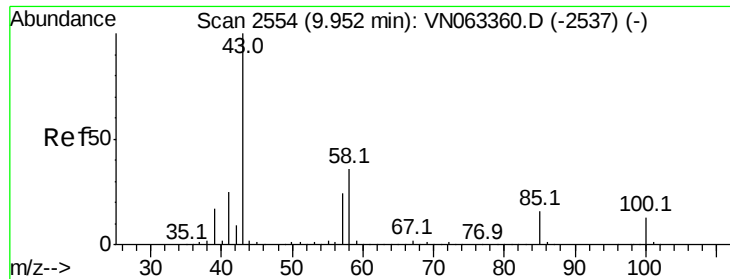
100 62.3 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.358 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN063652.D

Acq: 25 Sep 2020 1:50

Instrument :

MSVOA_N

ClientSampleId :

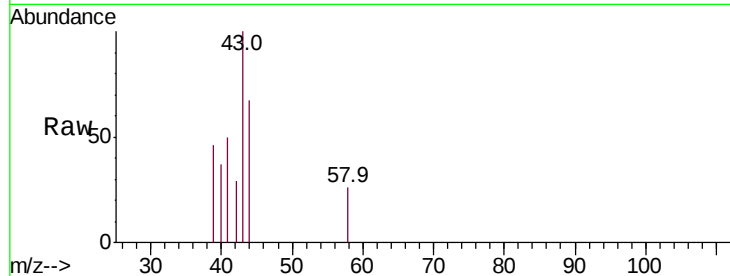
TR-04-092320

Tot Ion: 43 Resp: 1386

Ion Ratio Lower Upper

43 100

58 0.0 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

600

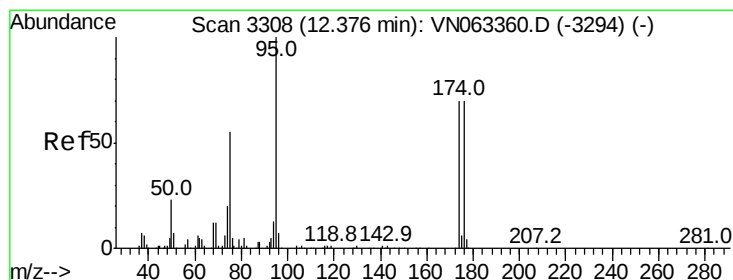
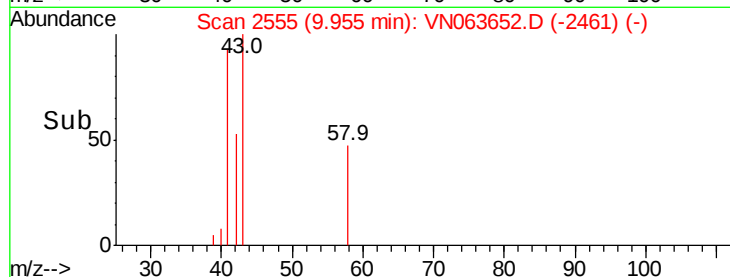
400

200

0

9.90 9.95 10.00

Time-->



#62

4-Bromofluorobenzene

Concen: 52.840 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063652.D

Acq: 25 Sep 2020 1:50

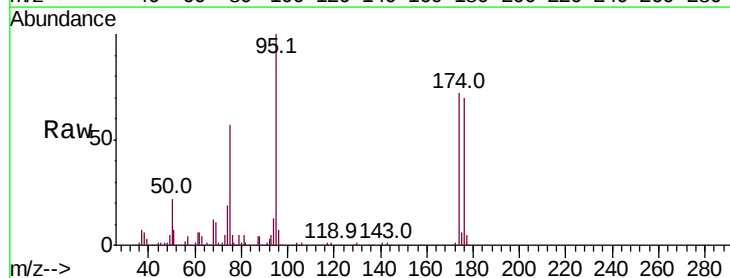
Tgt Ion: 95 Resp: 186253

Ion Ratio Lower Upper

95 100

174 73.8 0.0 140.8

176 69.7 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) (-)

150000

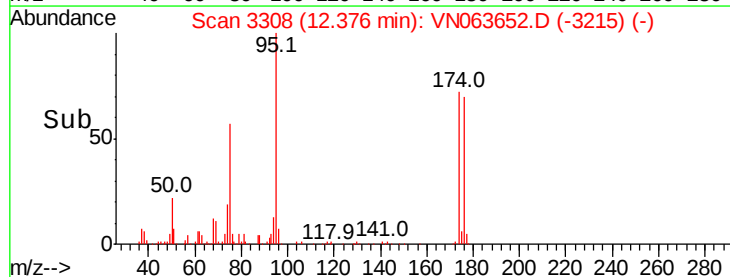
100000

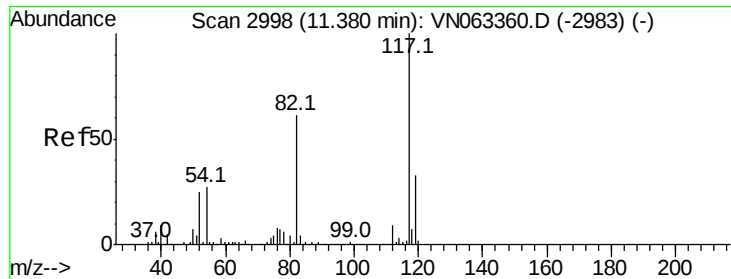
50000

0

12.30 12.35 12.40 12.45

Time-->

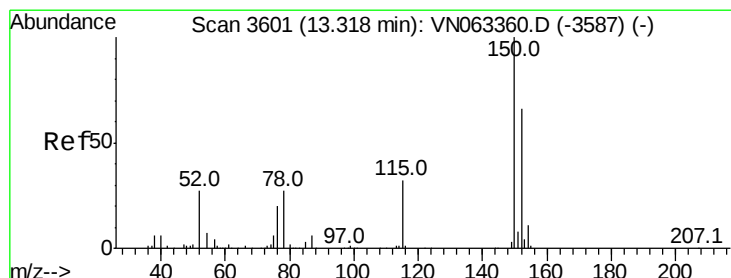
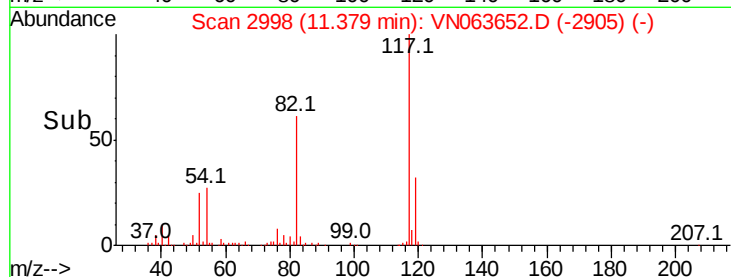
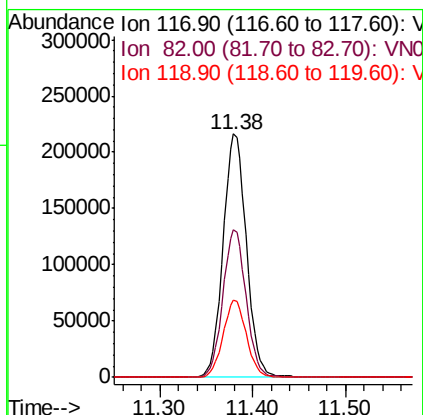
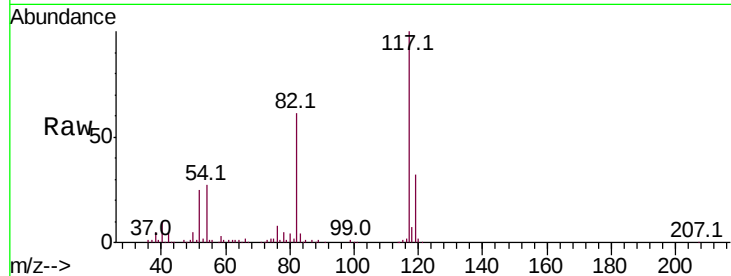




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063652.D
Acq: 25 Sep 2020 1:50

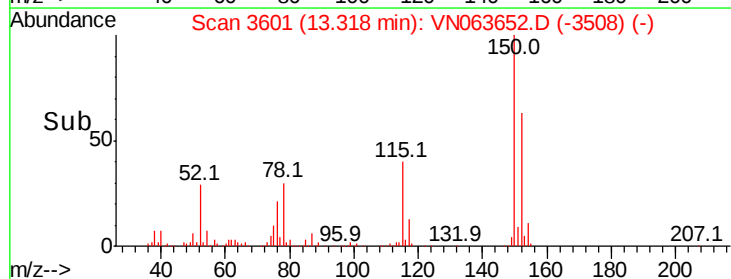
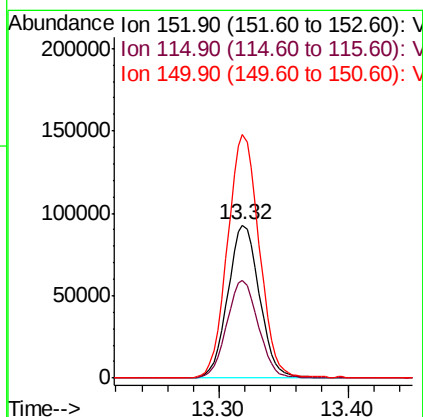
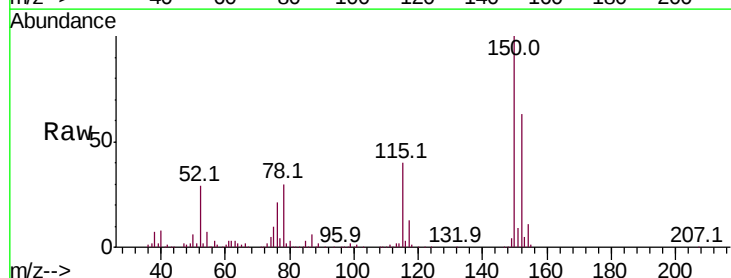
Instrument :
MSVOA_N
ClientSampleId :
TR-04-092320

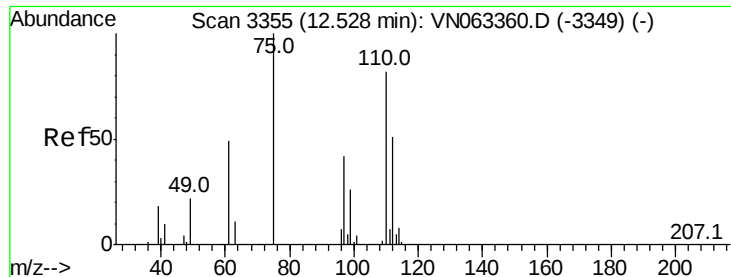
Tot Ion	Ratio	Lower	Upper
117	100		
82	60.5	49.2	73.8
119	31.6	26.2	39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063652.D
Acq: 25 Sep 2020 1:50

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.4	32.2	96.6
150	159.0	0.0	343.4





#76

1,2,3-Trichloropropane

Concen: 26.483 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063652.D

Acq: 25 Sep 2020 1:50

Instrument :

MSVOA_N

ClientSampleId :

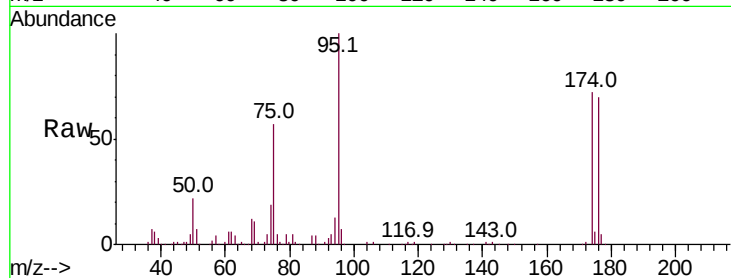
TR-04-092320

Tot Ion: 75 Resp: 103855

Ion Ratio Lower Upper

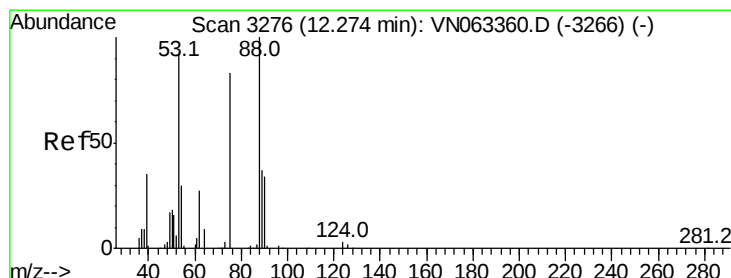
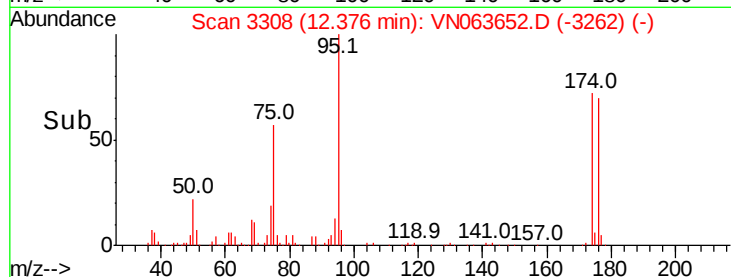
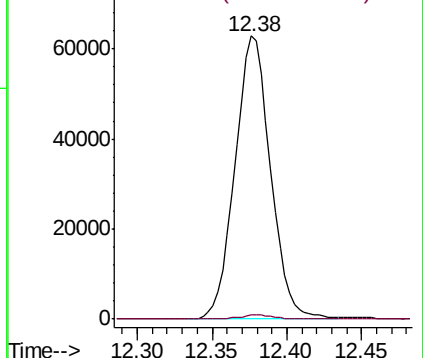
75 100

77 1.3 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: 72.606 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063652.D

Acq: 25 Sep 2020 1:50

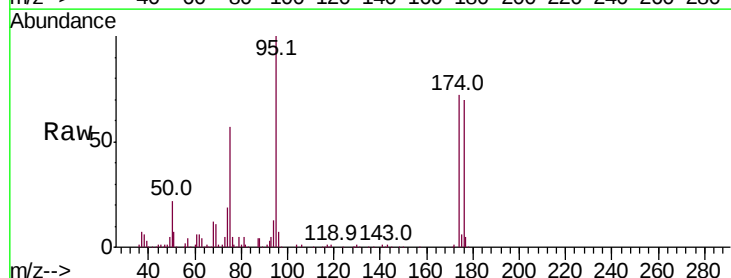
Tgt Ion: 75 Resp: 103855

Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

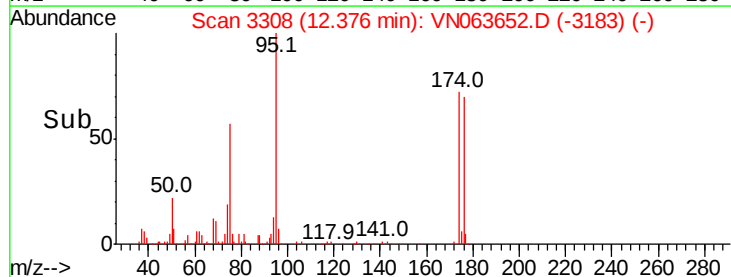
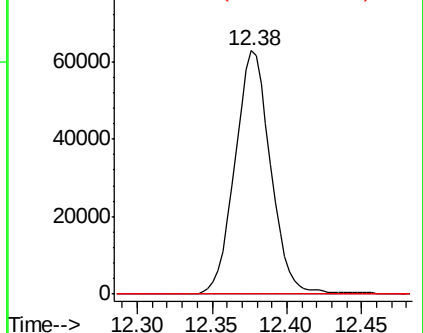
89 0.1 38.0 57.0#

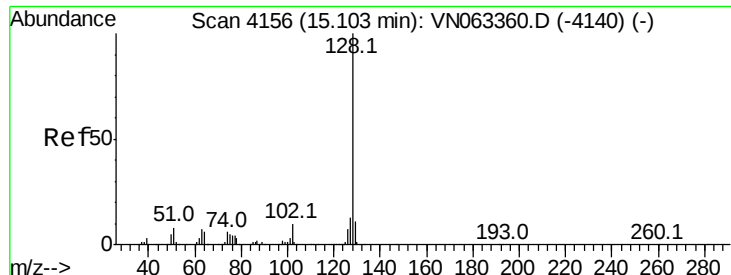


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0





#95

Naphthalene

Concen: 0.214 ug/l

RT: 15.11 min Scan# 4158

Delta R.T. 0.01 min

Lab File: VN063652.D

Acq: 25 Sep 2020 1:50

Instrument :

MSVOA_N

ClientSampleId :

TR-04-092320

Tot Ion:128 Resp: 2171

Ion Ratio Lower Upper

128 100

127 12.7 10.6 15.8

129 2.9 8.8 13.2#

