

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
 Data File : VN063644.D
 Acq On : 24 Sep 2020 21:27
 Operator : JC/MD
 Sample : L4119-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D1-20200921

Quant Time: Sep 25 03:51:31 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	199689	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	363698	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	378164	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	158906	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	171320	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
35) Dibromofluoromethane	7.55	113	121000	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
50) Toluene-d8	10.06	98	477181	50.40	ug/l	0.00
Spiked Amount			Recovery	=	100.80%	
62) 4-Bromofluorobenzene	12.38	95	183784	52.95	ug/l	0.00
Spiked Amount			Recovery	=	105.90%	

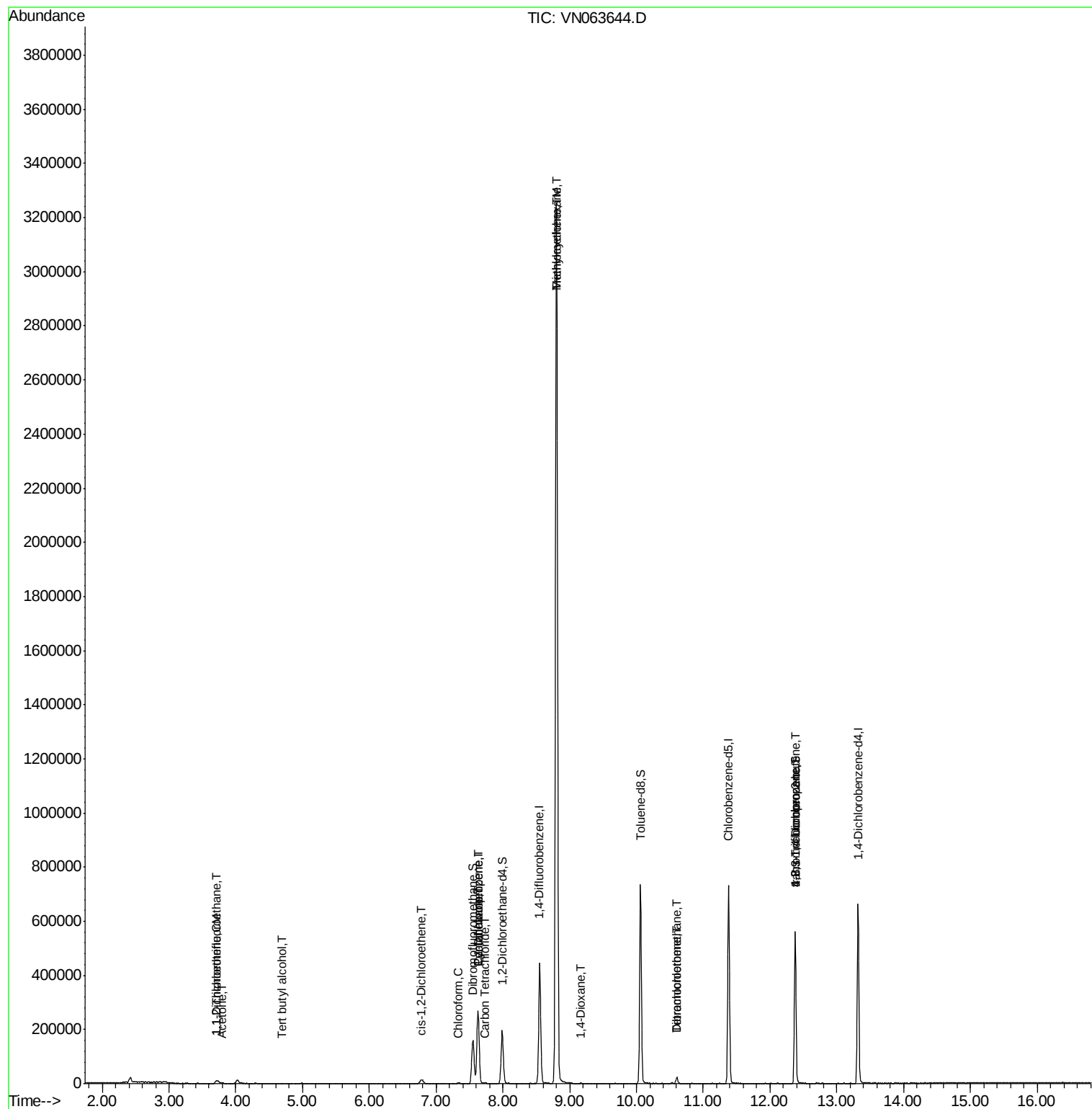
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.72	101	3846	1.729	ug/l #	89
11) Tert butyl alcohol	4.69	59	99	0.210	ug/l #	72
12) 1,1-Dichloroethene	3.70	96	875	0.388	ug/l #	62
16) Acetone	3.78	43	2369	2.169	ug/l #	89
27) cis-1,2-Dichloroethene	6.78	96	4368	1.546	ug/l	94
30) Chloroform	7.33	83	1437	0.289	ug/l #	77
31) Cyclohexane	7.62	56	5662	1.206	ug/l #	47
36) 1,1-Dichloropropene	7.63	75	17682	4.563	ug/l #	51
38) Carbon Tetrachloride	7.74	117	1699	0.430	ug/l	93
39) Methylcyclohexane	8.80	83	15205	3.616	ug/l #	1
44) Trichloroethene	8.80	130	1087500	405.367	ug/l	99
49) 1,4-Dioxane	9.16	88	643	13.412	ug/l #	63
60) Dibromochloromethane	10.61	129	4919	1.648	ug/l #	10
64) Tetrachloroethene	10.60	164	4737	1.840	ug/l	92
76) 1,2,3-Trichloropropane	12.38	75	106652	27.116	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	106652	74.342	ug/l #	7

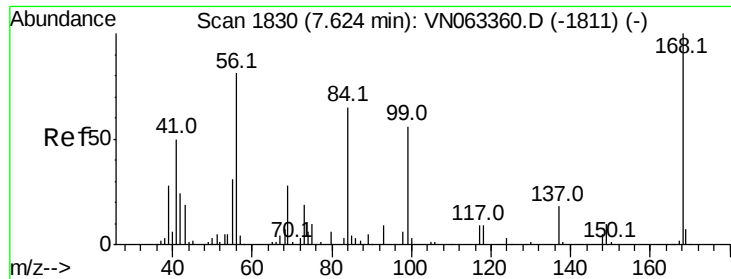
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092420\
Data File : VN063644.D
Acq On : 24 Sep 2020 21:27
Operator : JC/MD
Sample : L4119-04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20200921

Quant Time: Sep 25 03:51:31 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
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# 1832

Delta R.T. 0.01 min

Lab File: VN063644.D

Acq: 24 Sep 2020 21:27

Instrument :

MSVOA_N

ClientSampleId :

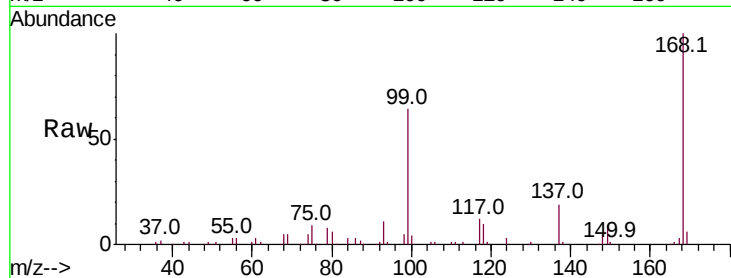
RE122D1-20200921

Tot Ion:168 Resp: 199689

Ion Ratio Lower Upper

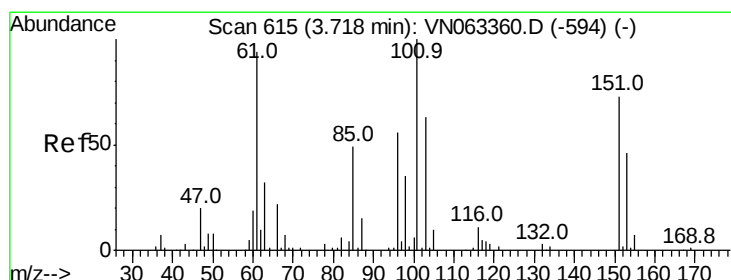
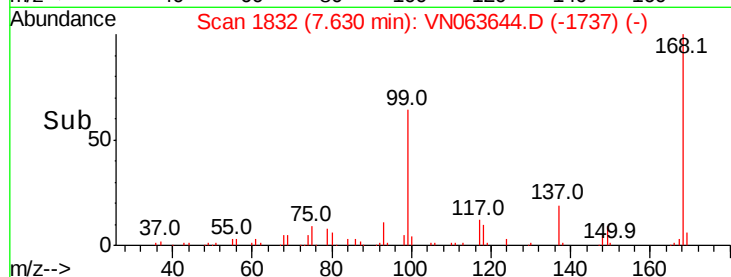
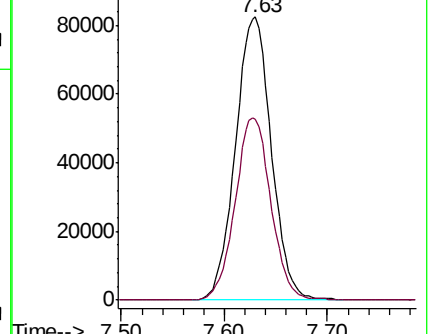
168 100

99 64.1 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.729 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063644.D

Acq: 24 Sep 2020 21:27

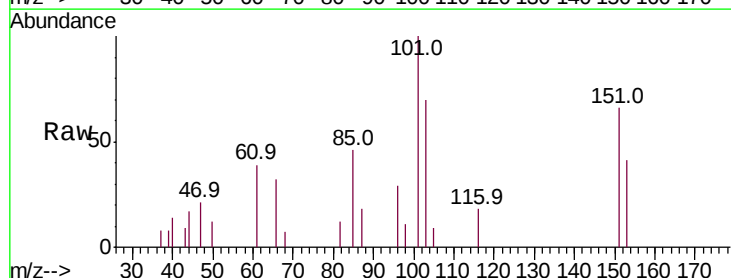
Tgt Ion:101 Resp: 3846

Ion Ratio Lower Upper

101 100

85 34.3 37.7 56.5#

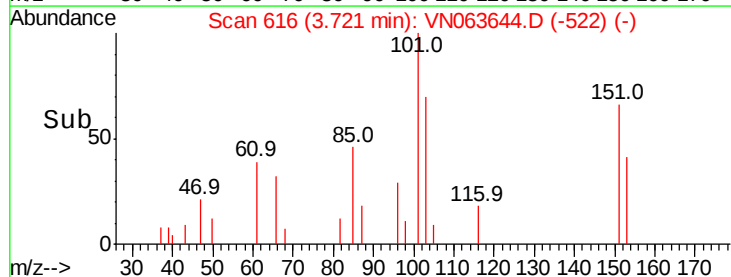
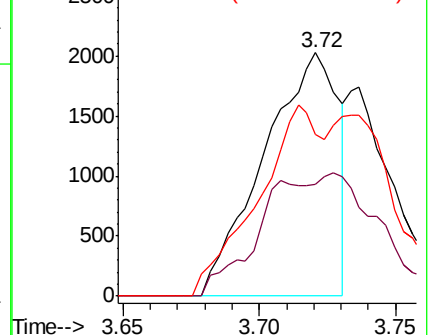
151 67.4 57.7 86.5

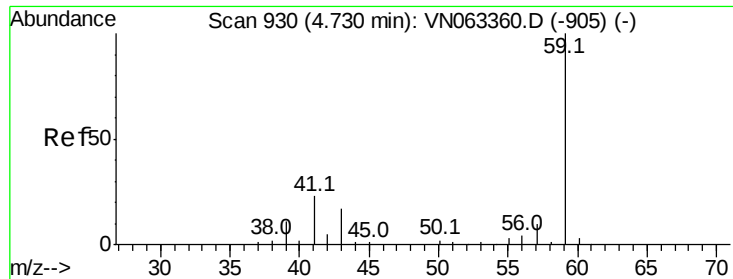


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V

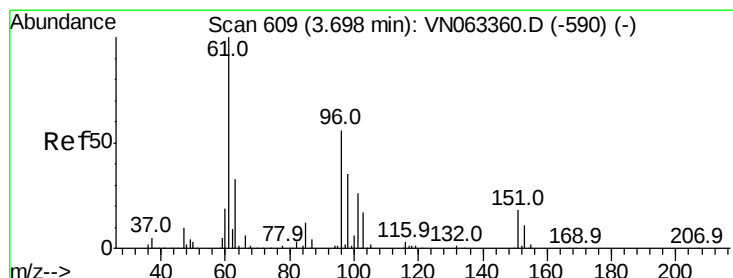
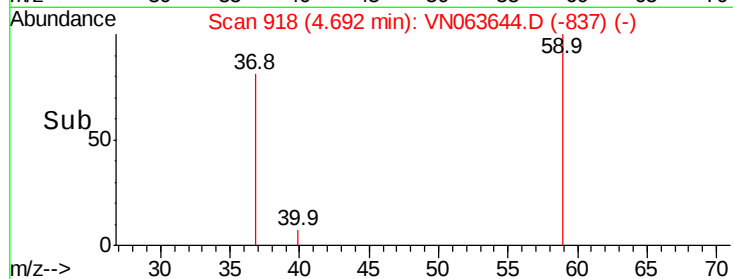
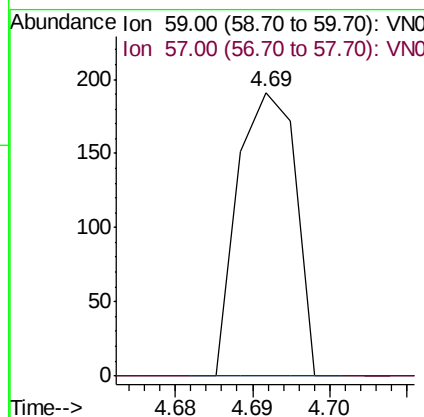
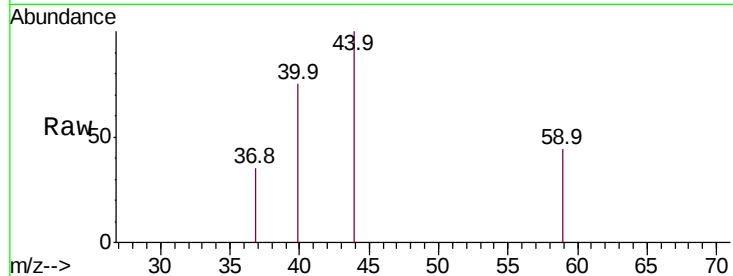




#11
Tert butyl alcohol
Concen: 0.210 ug/l
RT: 4.69 min Scan# 918
Delta R.T. -0.04 min
Lab File: VN063644.D
Acq: 24 Sep 2020 21:27

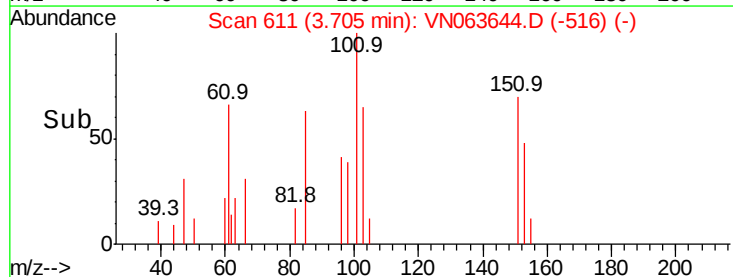
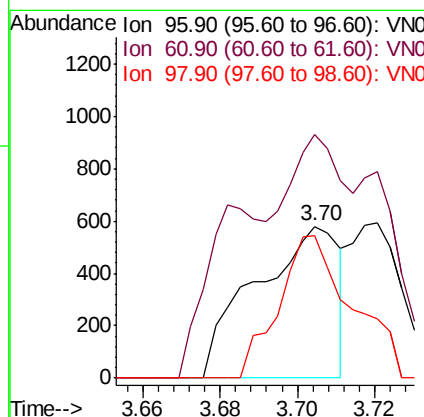
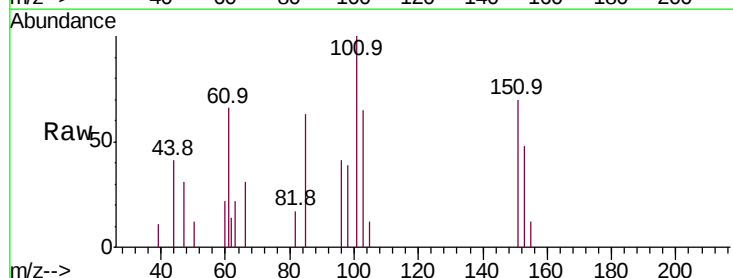
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20200921

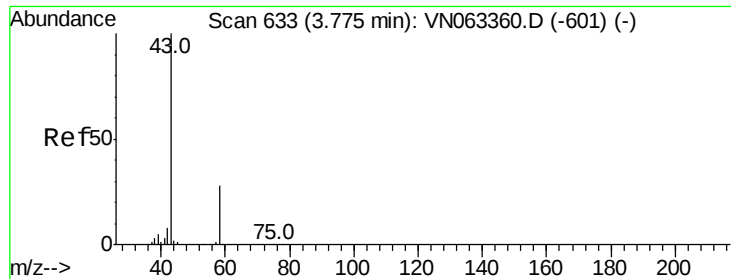
Tot Ion: 59 Resp: 99
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#12
1,1-Dichloroethene
Concen: 0.388 ug/l
RT: 3.70 min Scan# 611
Delta R.T. 0.01 min
Lab File: VN063644.D
Acq: 24 Sep 2020 21:27

Tgt Ion: 96 Resp: 875
Ion Ratio Lower Upper
96 100
61 126.9 143.4 215.2#
98 93.8 50.6 76.0#





#16

Acetone

Concen: 2.169 ug/l

RT: 3.78 min Scan# 636

Delta R.T. 0.01 min

Lab File: VN063644.D

Acq: 24 Sep 2020 21:27

Instrument :

MSVOA_N

ClientSampleId :

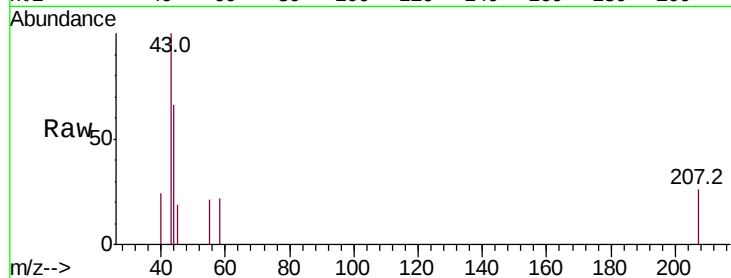
RE122D1-20200921

Tot Ion: 43 Resp: 2369

Ion Ratio Lower Upper

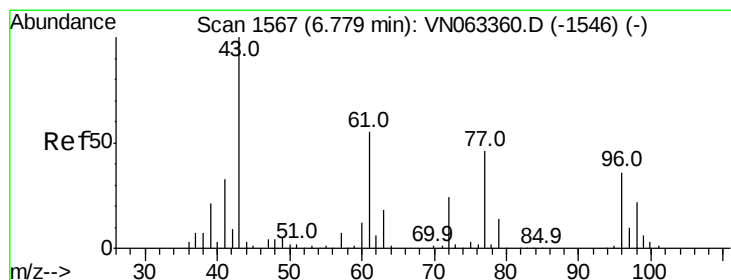
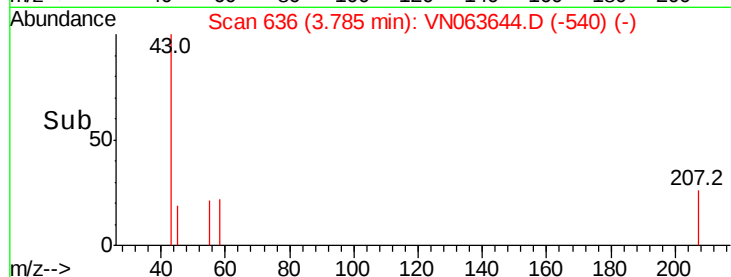
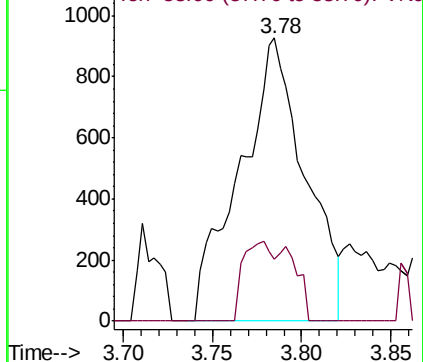
43 100

58 21.9 22.3 33.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#27

cis-1,2-Dichloroethene

Concen: 1.546 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN063644.D

Acq: 24 Sep 2020 21:27

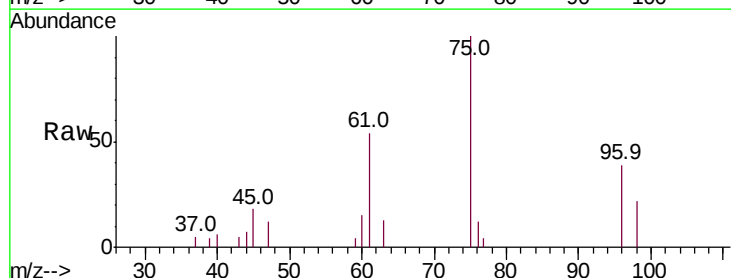
Tgt Ion: 96 Resp: 4368

Ion Ratio Lower Upper

96 100

61 159.8 0.0 319.6

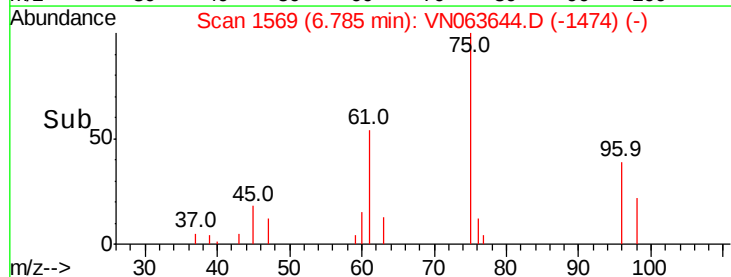
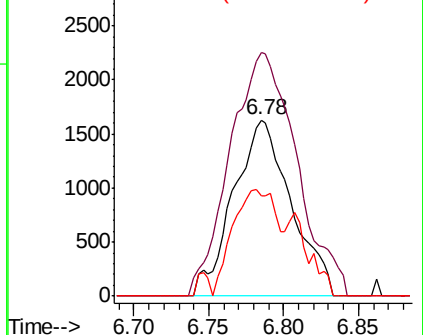
98 47.6 0.0 127.8

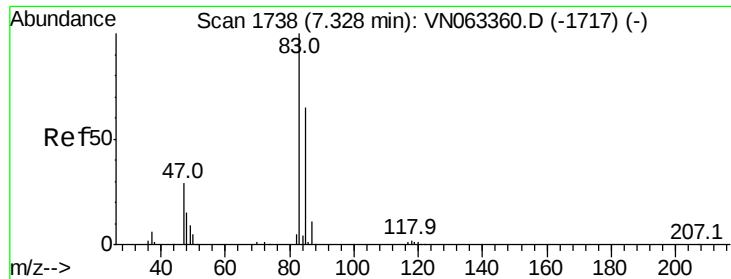


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#30

Chloroform

Concen: 0.289 ug/l

RT: 7.33 min Scan# 1740

Delta R.T. 0.01 min

Lab File: VN063644.D

Acq: 24 Sep 2020 21:27

Instrument :

MSVOA_N

ClientSampleId :

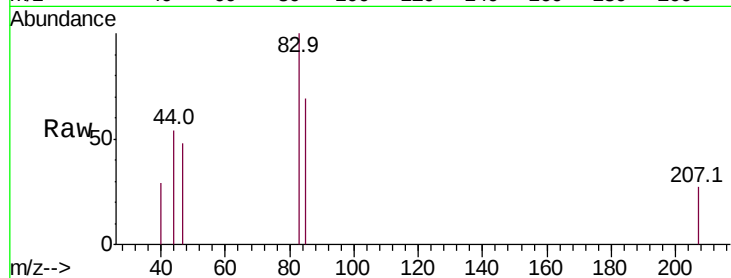
RE122D1-20200921

Tot Ion: 83 Resp: 1437

Ion Ratio Lower Upper

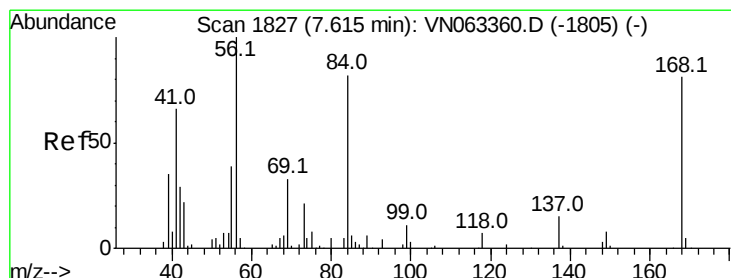
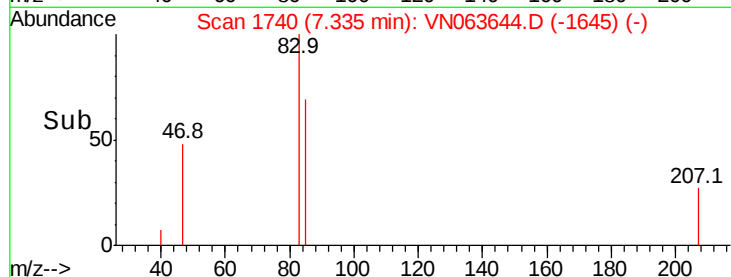
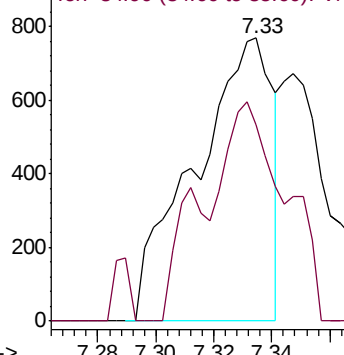
83 100

85 46.9 52.1 78.1#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0



#31

Cyclohexane

Concen: 1.206 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. 0.01 min

Lab File: VN063644.D

Acq: 24 Sep 2020 21:27

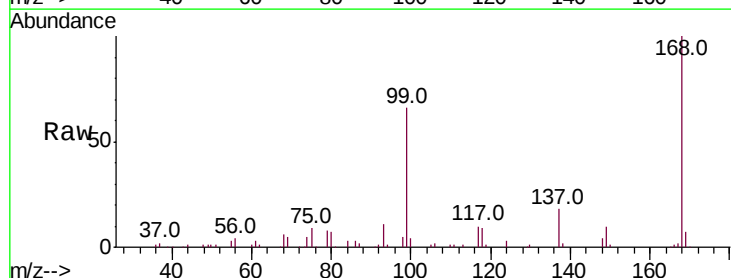
Tgt Ion: 56 Resp: 5662

Ion Ratio Lower Upper

56 100

69 131.8 26.1 39.1#

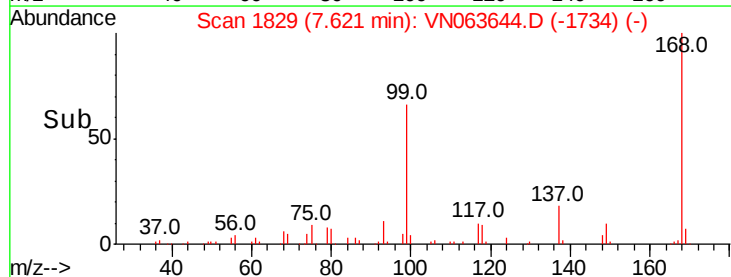
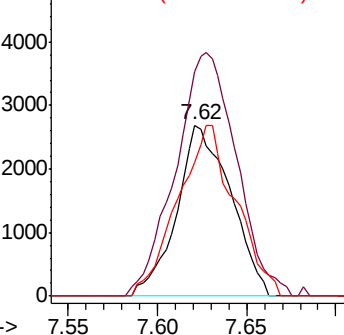
84 77.9 65.4 98.2

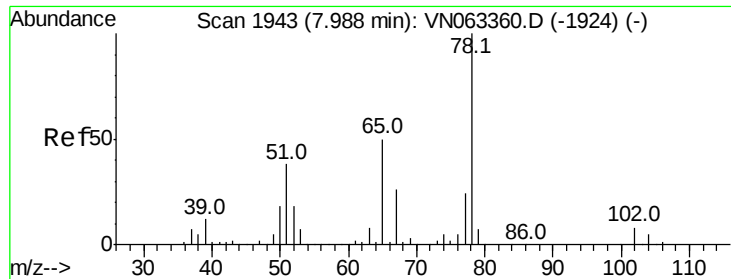


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

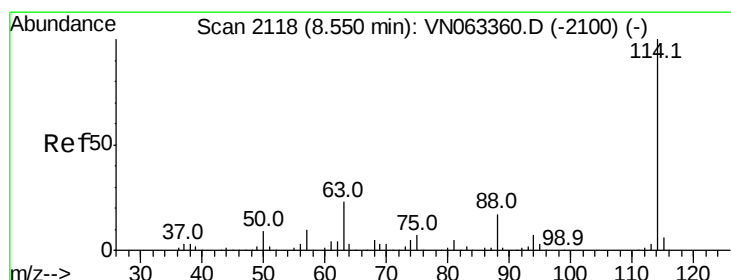
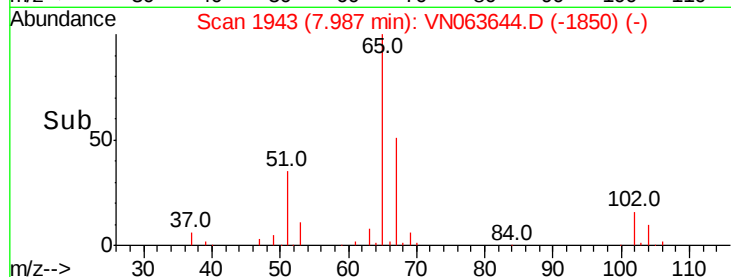
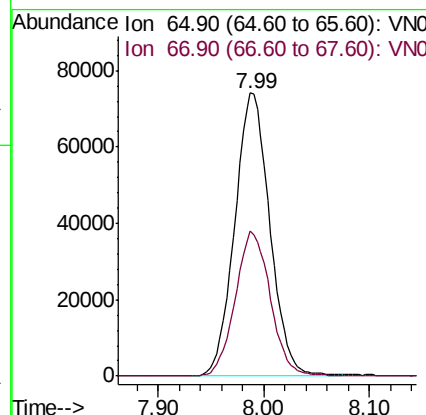
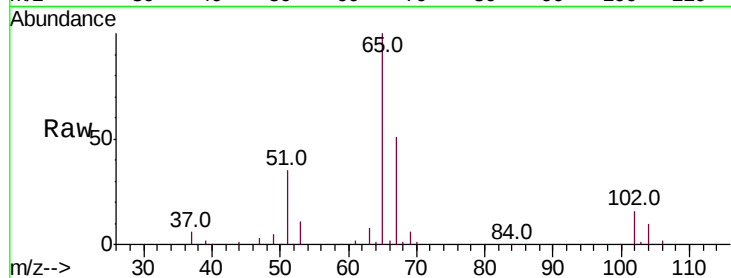




#33
 1,2-Dichloroethane-d4
 Concen: 50.400 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VN063644.D
 Acq: 24 Sep 2020 21:27

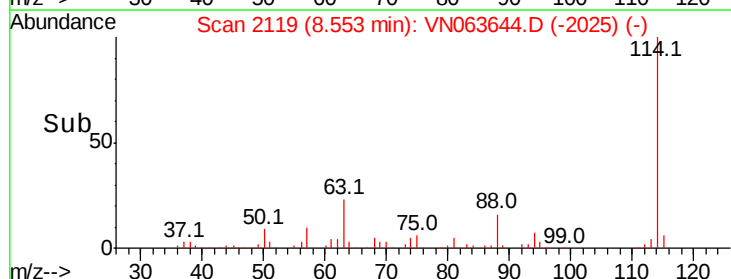
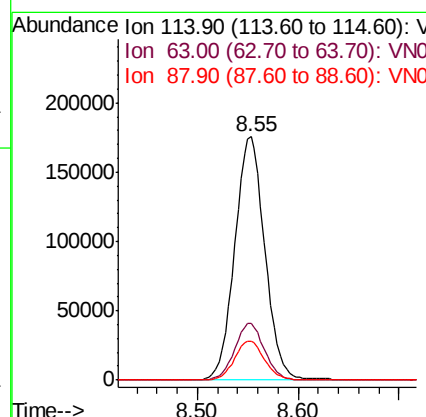
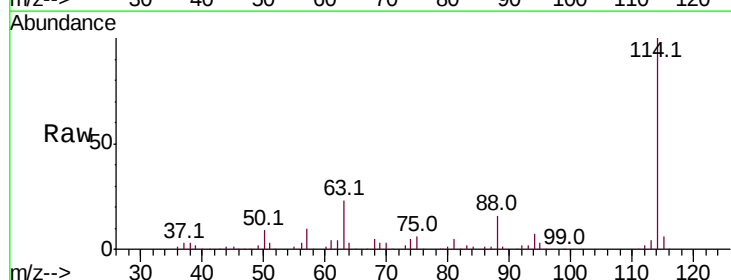
Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D1-20200921

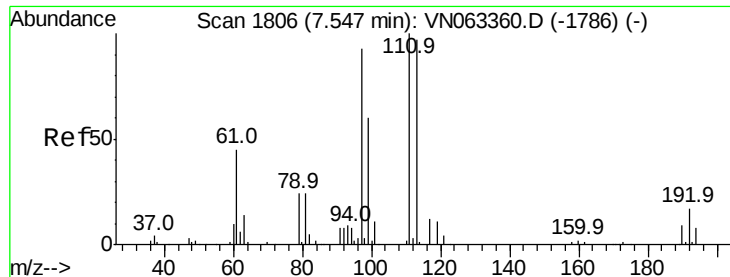
Tot Ion: 65 Resp: 171320
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 104.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN063644.D
 Acq: 24 Sep 2020 21:27

Tgt Ion: 114 Resp: 363698
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 46.4
 88 16.0 0.0 33.2





#35

Dibromofluoromethane

Concen: 48.058 ug/l

RT: 7.55 min Scan# 1808

Delta R.T. 0.01 min

Lab File: VN063644.D

Acq: 24 Sep 2020 21:27

Instrument :

MSVOA_N

ClientSampleId :

RE122D1-20200921

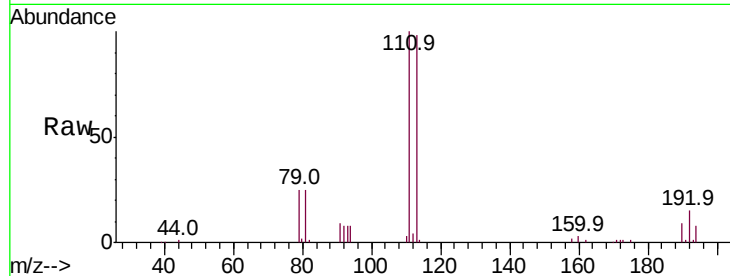
Tot Ion:113 Resp: 121000

Ion Ratio Lower Upper

113 100

111 104.0 82.9 124.3

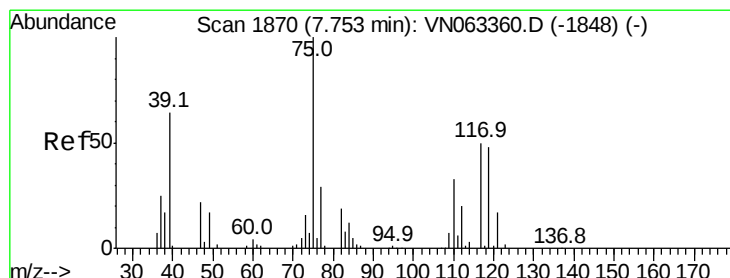
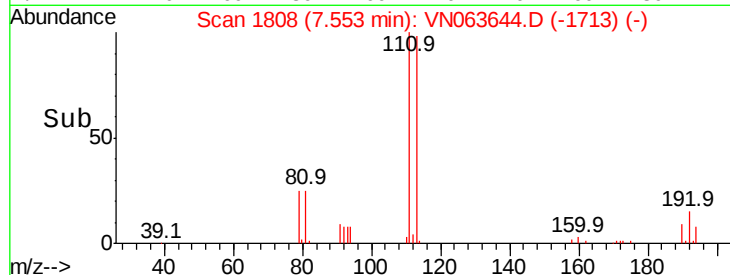
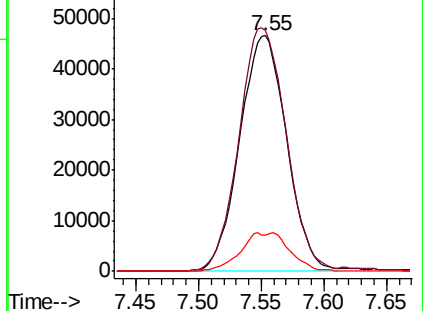
192 9.1 13.9 20.9#



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: 4.563 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.12 min

Lab File: VN063644.D

Acq: 24 Sep 2020 21:27

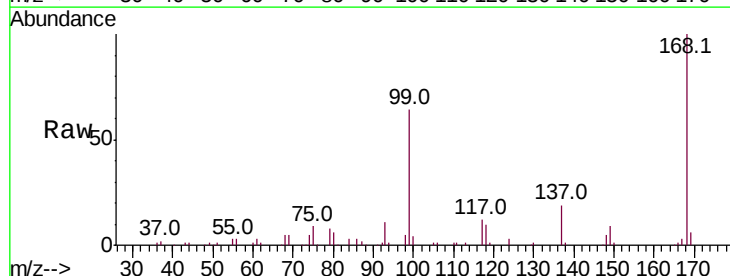
Tgt Ion: 75 Resp: 17682

Ion Ratio Lower Upper

75 100

110 8.8 16.5 49.5#

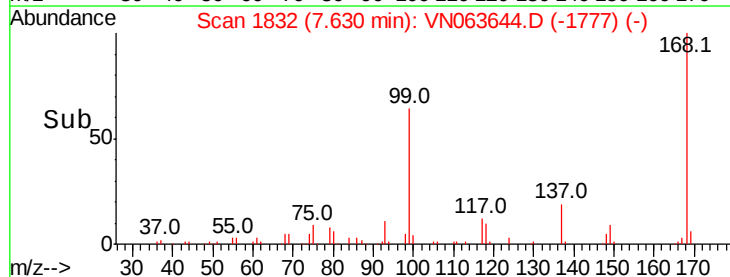
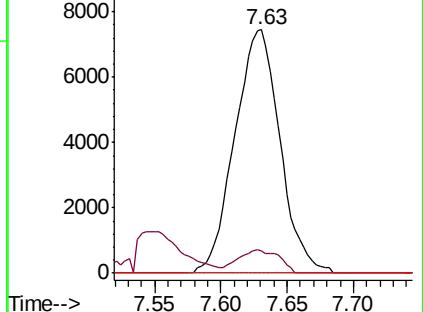
77 0.0 24.6 36.8#

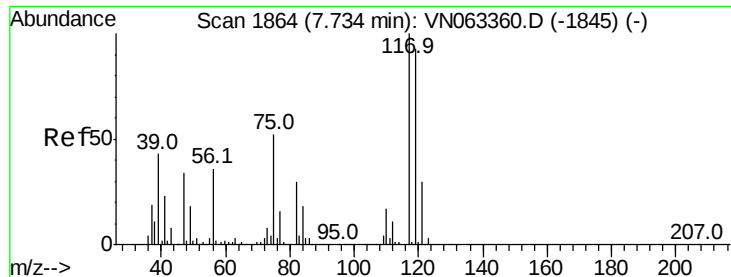


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

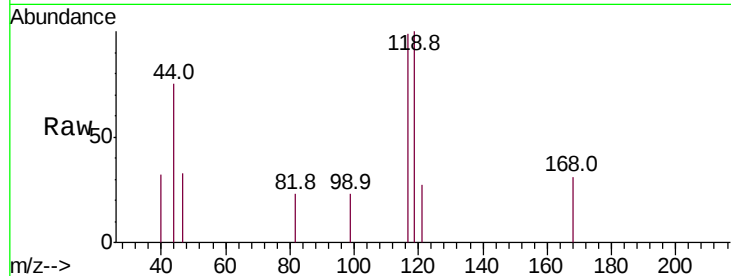




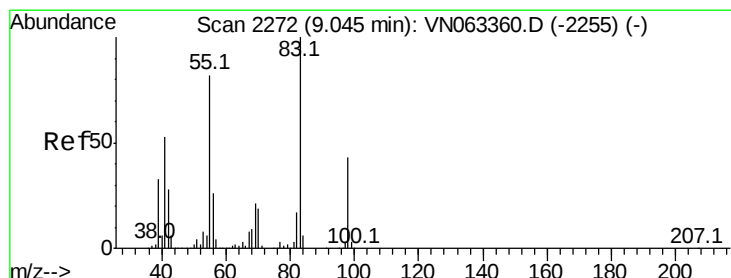
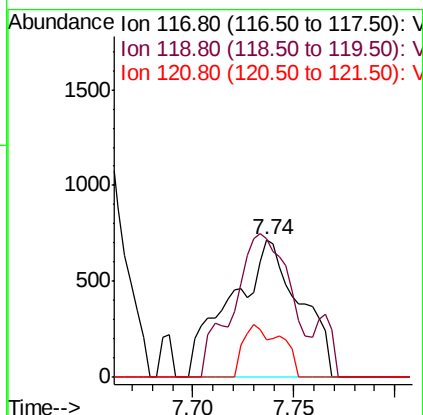
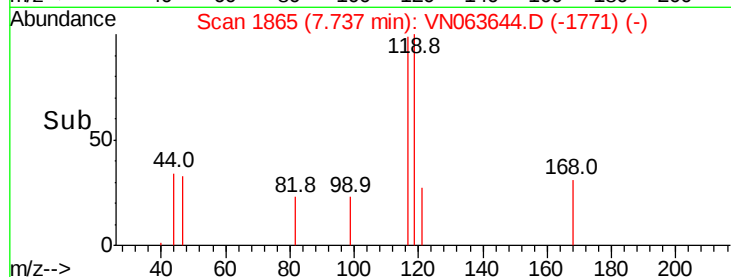
#38
Carbon Tetrachloride
Concen: 0.430 ug/l
RT: 7.74 min Scan# 1865
Delta R.T. 0.00 min
Lab File: VN063644.D
Acq: 24 Sep 2020 21:27

Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20200921

Tot Ion:117 Resp: 1699
Ion Ratio Lower Upper
117 100
119 100.7 74.5 111.7
121 27.2 24.1 36.1

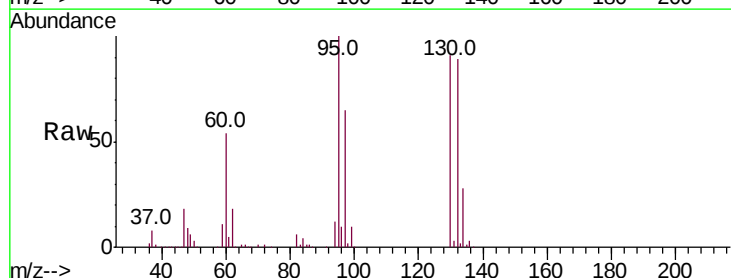


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

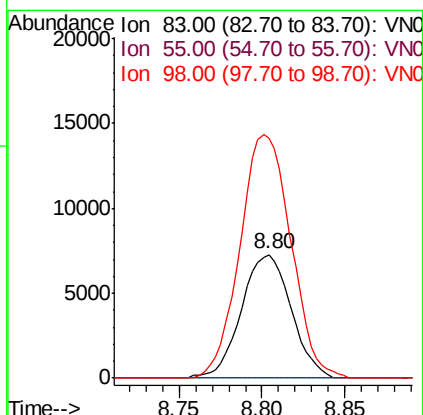
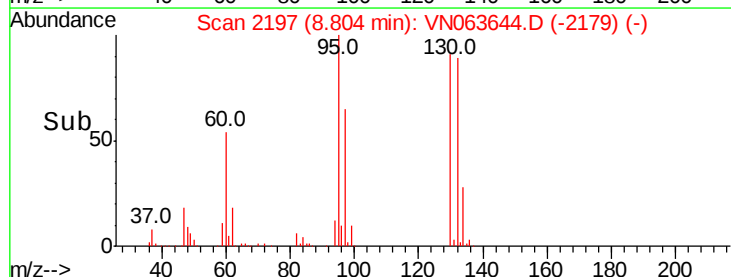


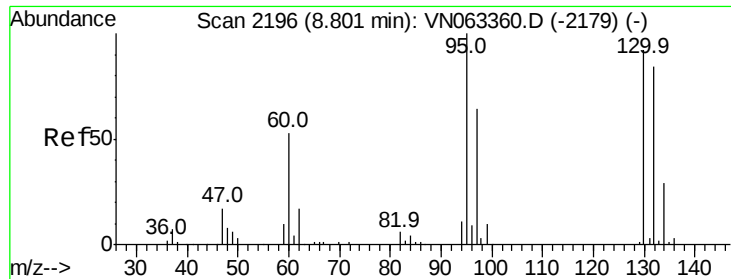
#39
Methylcyclohexane
Concen: 3.616 ug/l
RT: 8.80 min Scan# 2197
Delta R.T. -0.24 min
Lab File: VN063644.D
Acq: 24 Sep 2020 21:27

Tgt Ion: 83 Resp: 15205
Ion Ratio Lower Upper
83 100
55 0.0 65.5 98.3#
98 194.4 34.2 51.4#



Abundance Ion 83.00 (82.70 to 83.70): V
Ion 55.00 (54.70 to 55.70): V
Ion 98.00 (97.70 to 98.70): V





#44

Trichloroethene

Concen: 405.367 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063644.D

Acq: 24 Sep 2020 21:27

Instrument :

MSVOA_N

ClientSampleId :

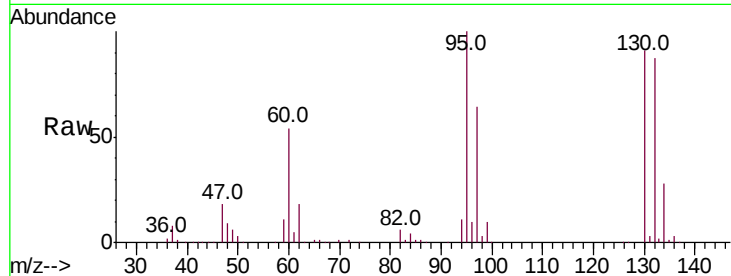
RE122D1-20200921

Tot Ion:130 Resp: 1087500

Ion Ratio Lower Upper

130 100

95 109.7 0.0 217.4



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

Ion 94.90 (94.60 to 95.60): VN063360.D (-2179) (-)

8.80

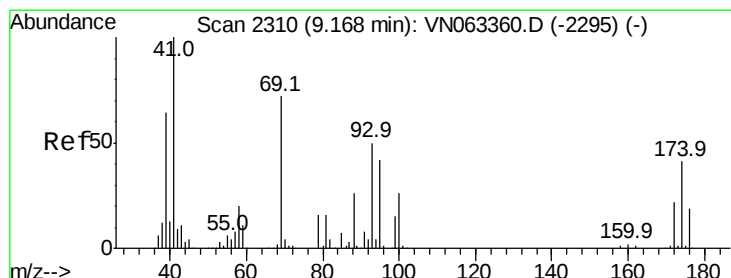
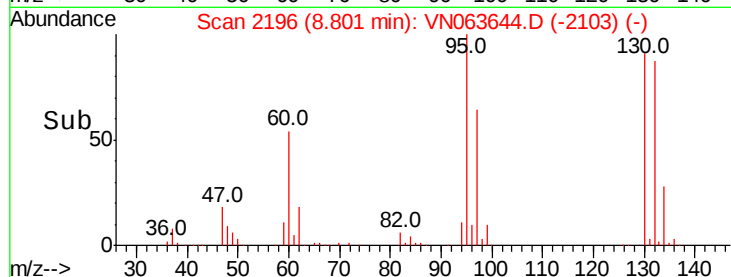
600000

400000

200000

0

Time--> 8.70 8.80 8.90



#49

1,4-Dioxane

Concen: 13.412 ug/l

RT: 9.16 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN063644.D

Acq: 24 Sep 2020 21:27

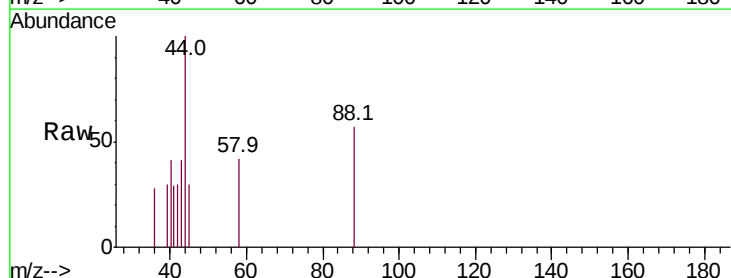
Tgt Ion: 88 Resp: 643

Ion Ratio Lower Upper

88 100

43 93.2 32.6 49.0#

58 64.9 60.0 90.0



Abundance Ion 88.00 (87.70 to 88.70): VN063360.D (-2295) (-)

Ion 43.00 (42.70 to 43.70): VN063360.D (-2295) (-)

Ion 58.00 (57.70 to 58.70): VN063360.D (-2295) (-)

9.16

500

400

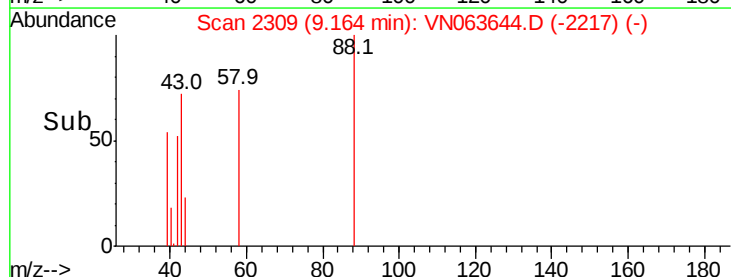
300

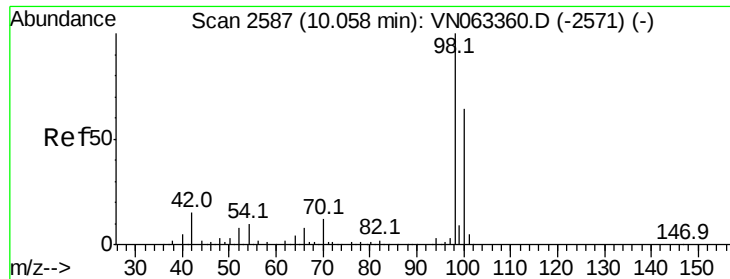
200

100

0

Time--> 9.12 9.14 9.16 9.18 9.20





#50

Toluene-d8

Concen: 50.402 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063644.D

Acq: 24 Sep 2020 21:27

Instrument :

MSVOA_N

ClientSampleId :

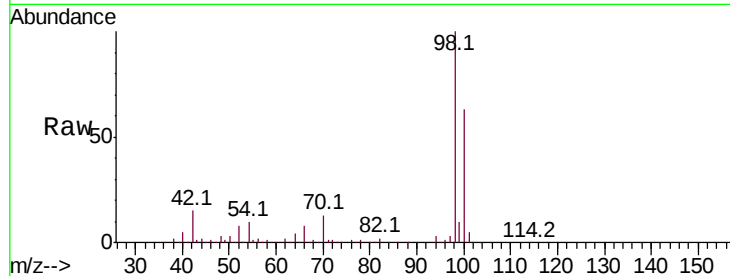
RE122D1-20200921

Tot Ion: 98 Resp: 477181

Ion Ratio Lower Upper

98 100

100 63.8 50.7 76.1



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

Ion 100.00 (99.70 to 100.70): VN063360.D (-2571) (-)

10.06

250000

200000

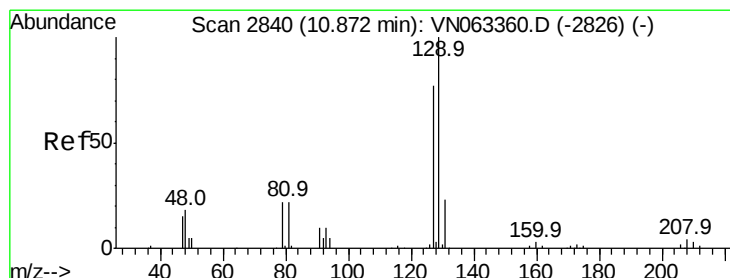
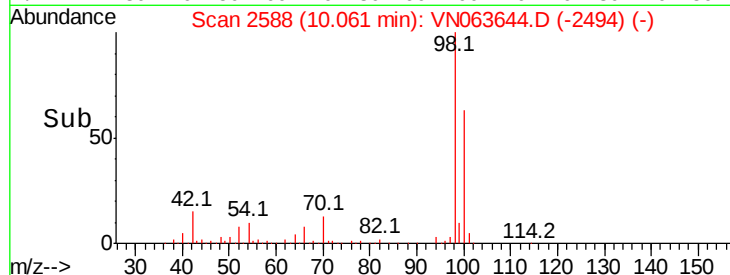
150000

100000

50000

0

Time-->



#60

Dibromochloromethane

Concen: 1.648 ug/l

RT: 10.61 min Scan# 2758

Delta R.T. -0.26 min

Lab File: VN063644.D

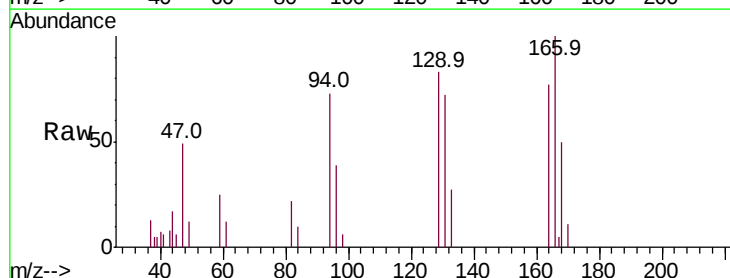
Acq: 24 Sep 2020 21:27

Tgt Ion: 129 Resp: 4919

Ion Ratio Lower Upper

129 100

127 0.0 39.1 117.3#



Abundance Ion 128.80 (128.50 to 129.50): VN063360.D (-2826) (-)

Ion 126.80 (126.50 to 127.50): VN063360.D (-2826) (-)

10.61

3000

2500

2000

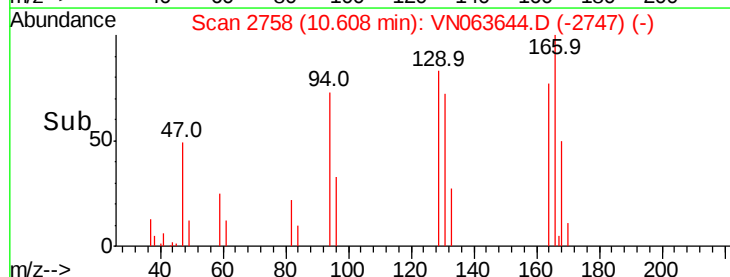
1500

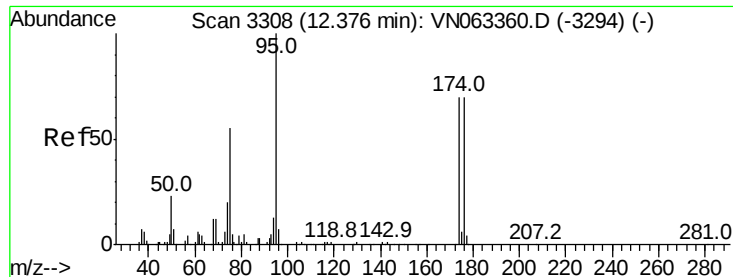
1000

500

0

Time-->

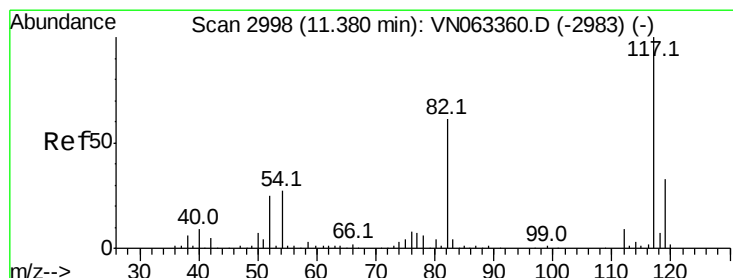
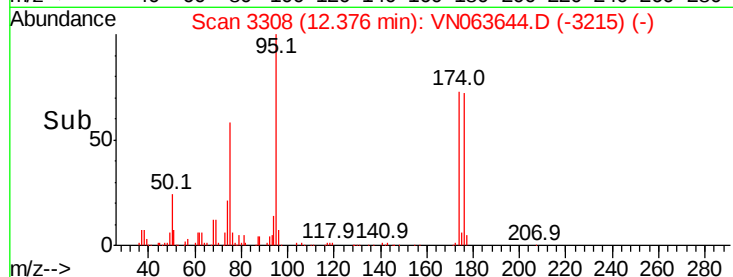
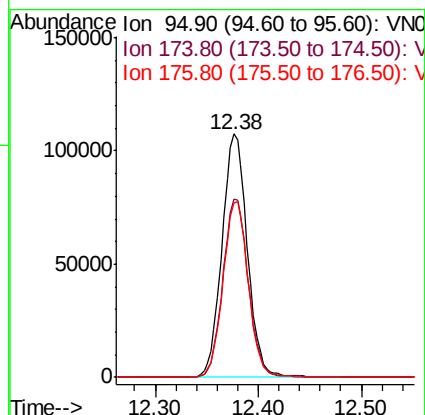
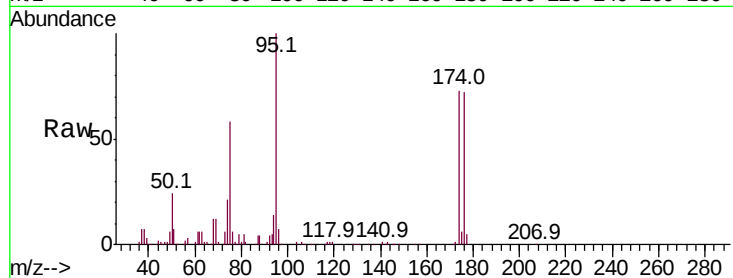




#62
4-Bromofluorobenzene
Concen: 52.955 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063644.D
Acq: 24 Sep 2020 21:27

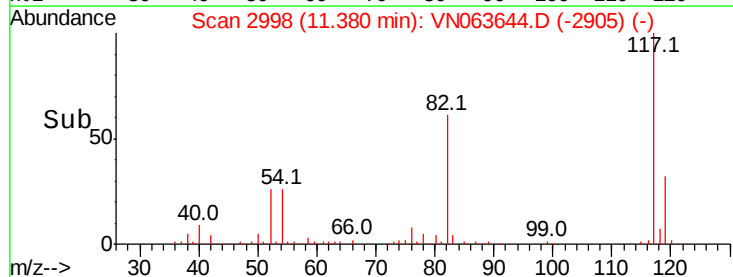
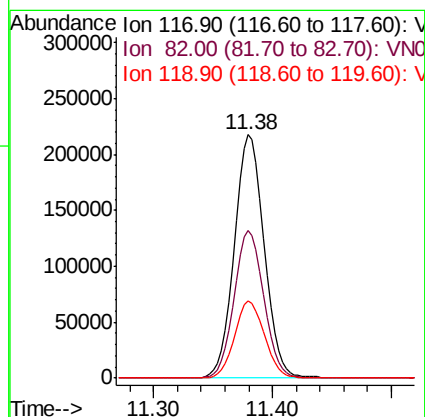
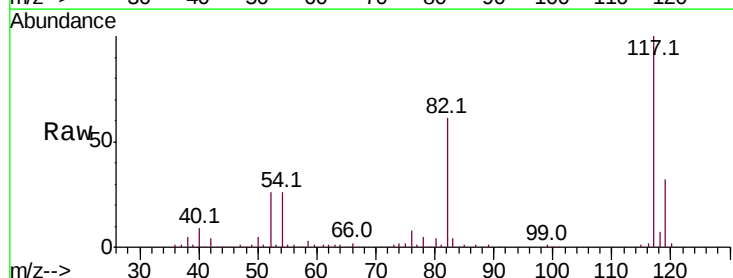
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20200921

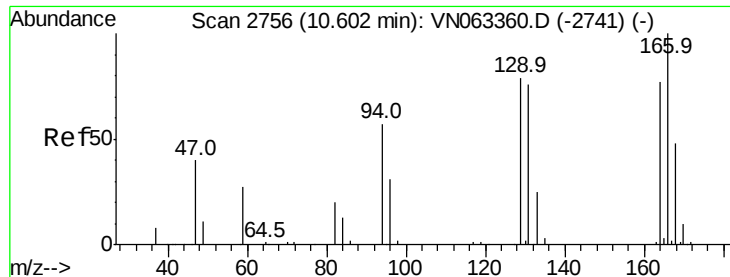
Tot Ion	95	Resp	183784
Ion Ratio	100	Lower	Upper
174	73.2	0.0	140.8
176	72.1	0.0	137.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063644.D
Acq: 24 Sep 2020 21:27

Tgt Ion	117	Resp	378164
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
82	60.7	49.2	73.8
119	31.8	26.2	39.4





#64

Tetrachloroethene

Concen: 1.840 ug/l

RT: 10.60 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VN063644.D

Acq: 24 Sep 2020 21:27

Instrument :

MSVOA_N

ClientSampleId :

RE122D1-20200921

Tot Ion:164 Resp: 4737

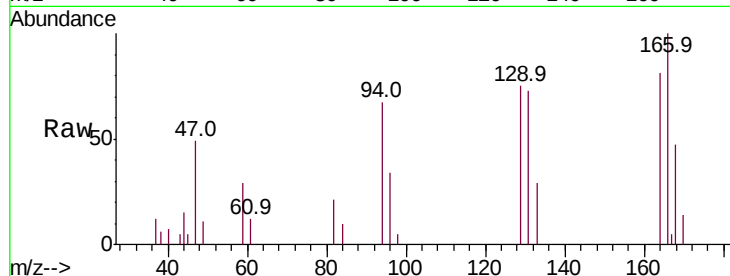
Ion Ratio Lower Upper

164 100

166 123.1 103.4 155.0

129 92.1 81.8 122.6

131 89.4 78.2 117.4

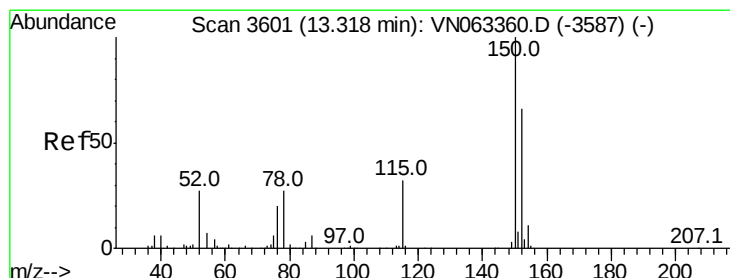
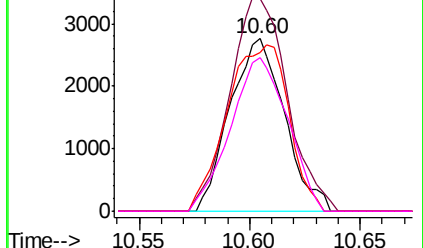
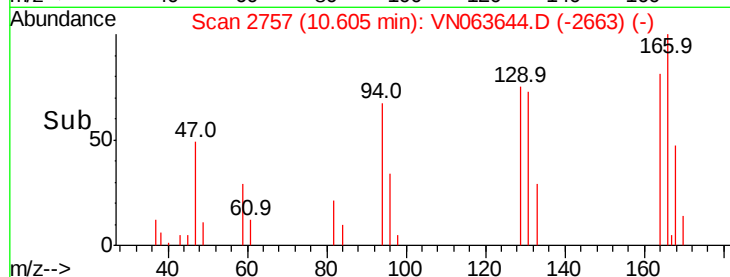


Abundance Ion 163.80 (163.50 to 164.50): V

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063644.D

Acq: 24 Sep 2020 21:27

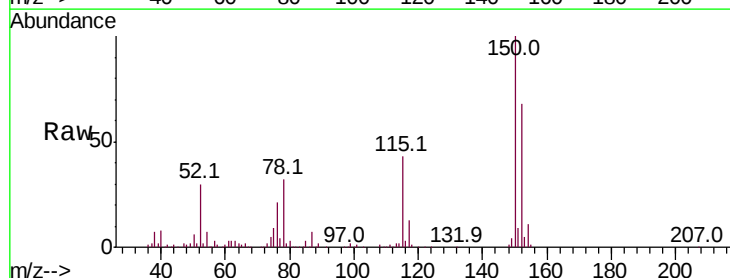
Tgt Ion:152 Resp: 158906

Ion Ratio Lower Upper

152 100

115 64.5 32.2 96.6

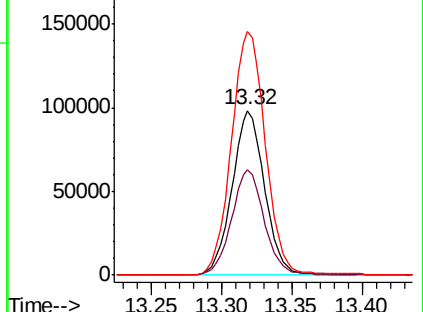
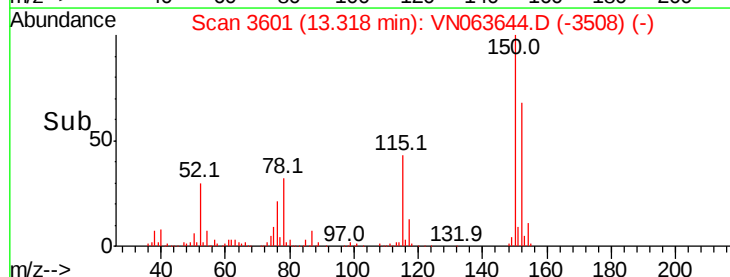
150 154.4 0.0 343.4

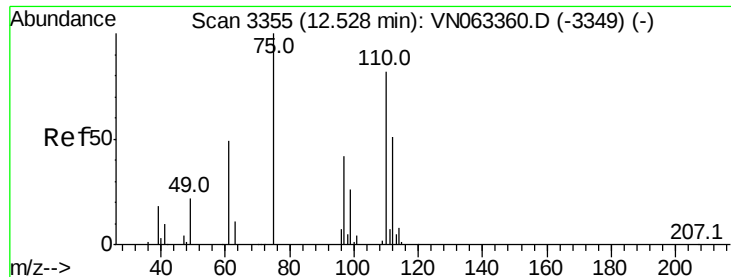


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 27.116 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063644.D

Acq: 24 Sep 2020 21:27

Instrument :

MSVOA_N

ClientSampleId :

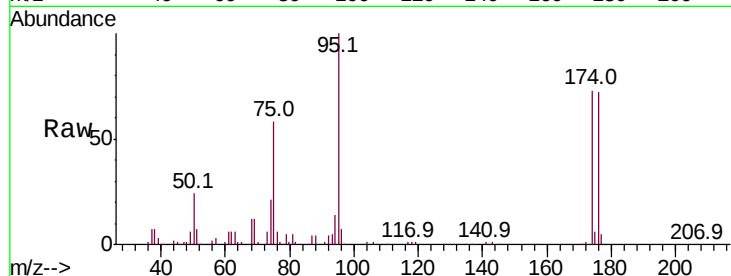
RE122D1-20200921

Tot Ion: 75 Resp: 106652

Ion Ratio Lower Upper

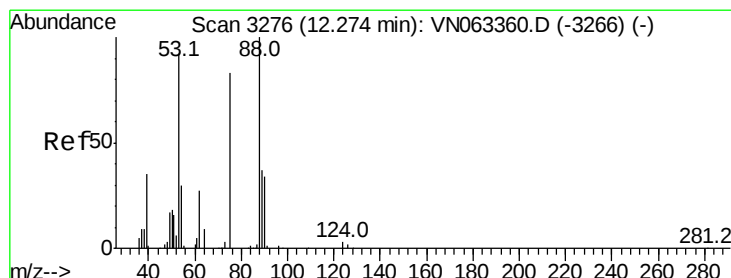
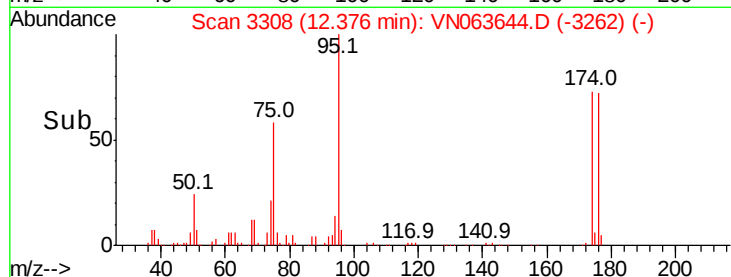
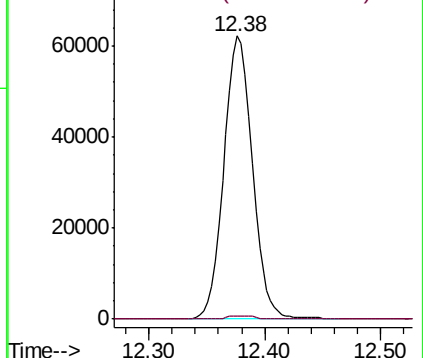
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 74.342 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063644.D

Acq: 24 Sep 2020 21:27

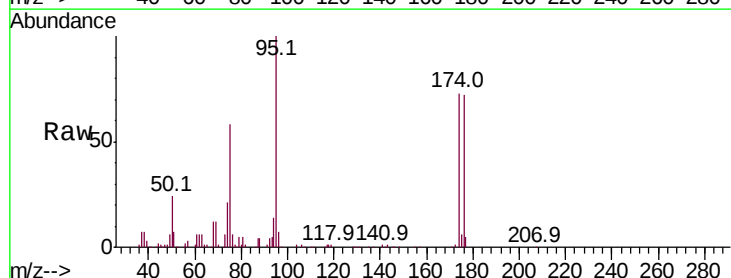
Tgt Ion: 75 Resp: 106652

Ion Ratio Lower Upper

75 100

53 0.1 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

