

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092420\
 Data File : VN063625.D
 Acq On : 24 Sep 2020 13:53
 Operator : JC/MD
 Sample : L4083-03DL 4X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D3-20200916DL

Quant Time: Sep 25 03:48:43 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	188879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	349106	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	357232	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	159525	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	163256	50.78	ug/l	0.00
Spiked Amount			Recovery	=	101.56%	
35) Dibromofluoromethane	7.55	113	114411	47.34	ug/l	0.00
Spiked Amount			Recovery	=	94.68%	
50) Toluene-d8	10.06	98	454295	49.99	ug/l	0.00
Spiked Amount			Recovery	=	99.98%	
62) 4-Bromofluorobenzene	12.38	95	182149	54.68	ug/l	0.00
Spiked Amount			Recovery	=	109.36%	

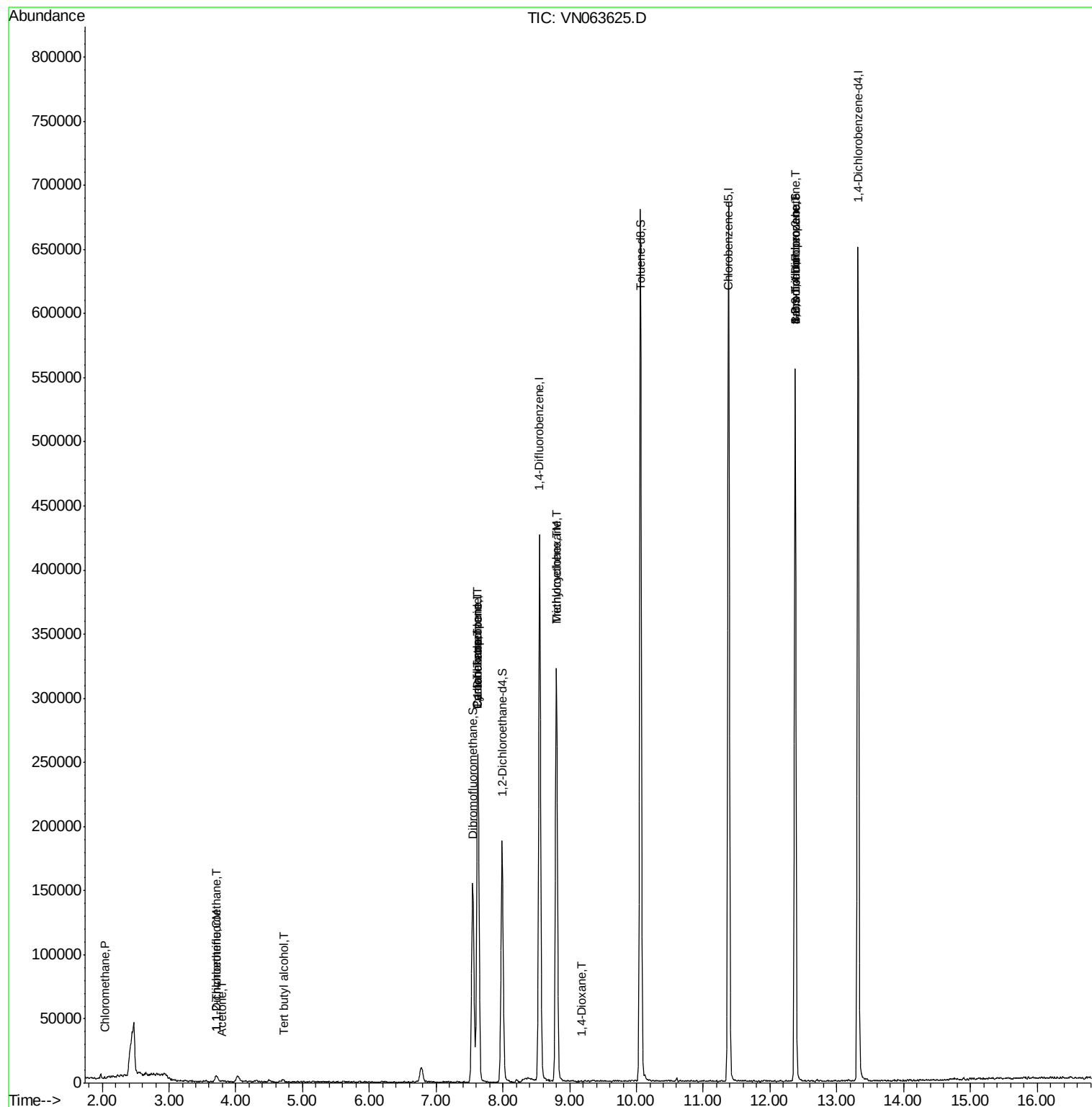
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	660	0.233	ug/l #	36
9) 1,1,2-Trichlorotrifluoroet	3.71	101	2698	1.282	ug/l	97
11) Tert butyl alcohol	4.72	59	204	0.458	ug/l #	72
12) 1,1-Dichloroethene	3.70	96	623	0.292	ug/l #	6
16) Acetone	3.79	43	1636	1.583	ug/l #	47
31) Cyclohexane	7.62	56	6296	1.418	ug/l #	53
36) 1,1-Dichloropropene	7.62	75	17997	4.839	ug/l #	50
38) Carbon Tetrachloride	7.62	117	21027	5.538	ug/l #	17
39) Methylcyclohexane	8.80	83	1501	0.372	ug/l #	1
44) Trichloroethene	8.80	130	109393	42.481	ug/l	98
49) 1,4-Dioxane	9.16	88	33	0.717	ug/l #	1
71) Bromoform	12.37	173	679	0.328	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	103234	26.145	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	103234	71.681	ug/l #	7

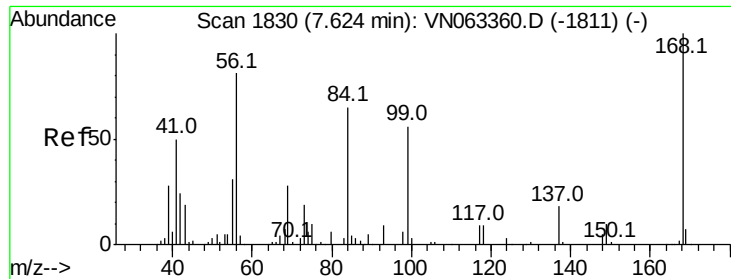
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN092420\
Data File : VN063625.D
Acq On : 24 Sep 2020 13:53
Operator : JC/MD
Sample : L4083-03DL 4X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20200916DL

Quant Time: Sep 25 03:48:43 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# 1831

Delta R.T. 0.00 min

Lab File: VN063625.D

Acq: 24 Sep 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

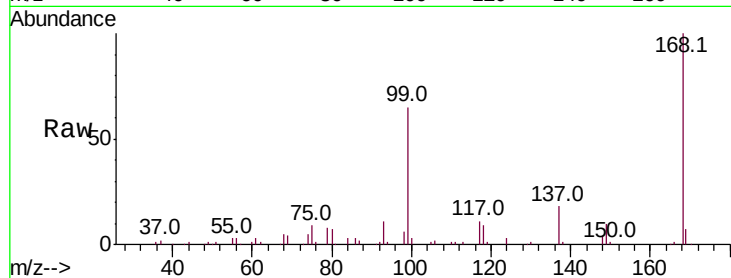
RE120D3-20200916DL

Tot Ion:168 Resp: 188879

Ion Ratio Lower Upper

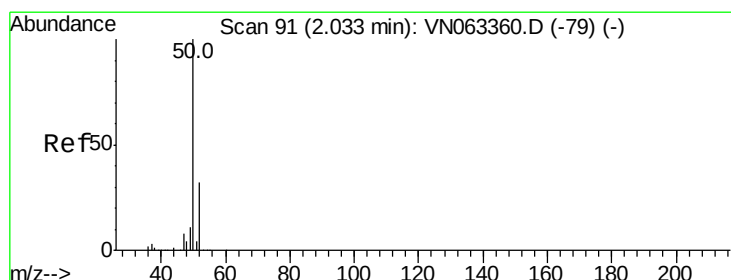
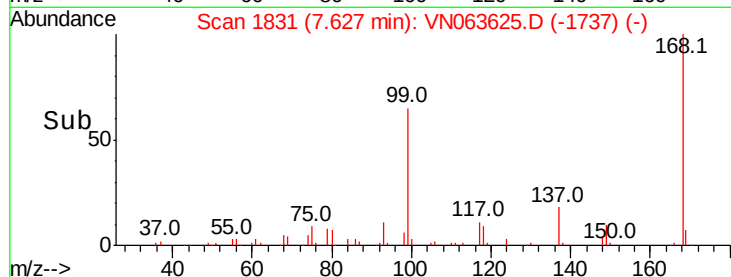
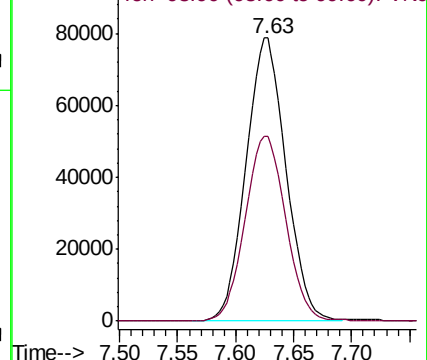
168 100

99 65.2 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: 0.233 ug/l

RT: 2.04 min Scan# 92

Delta R.T. 0.00 min

Lab File: VN063625.D

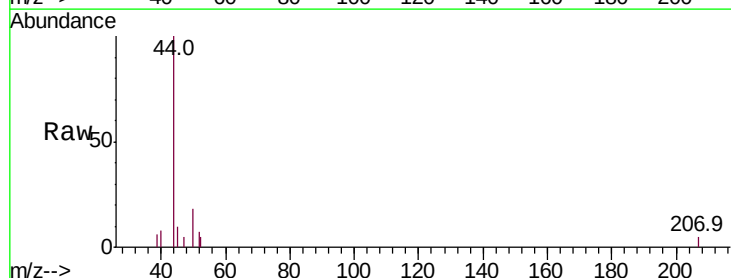
Acq: 24 Sep 2020 13:53

Tgt Ion: 50 Resp: 660

Ion Ratio Lower Upper

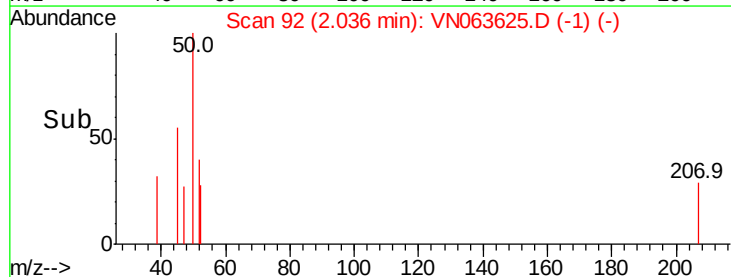
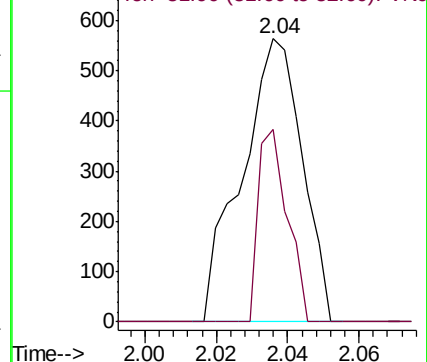
50 100

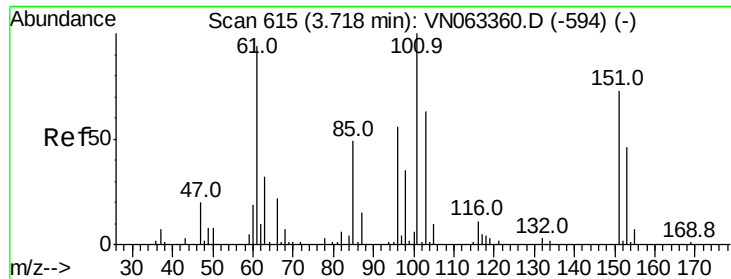
52 68.0 25.9 38.9#



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: 1.282 ug/l

RT: 3.71 min Scan# 613

Delta R.T. -0.01 min

Lab File: VN063625.D

Acq: 24 Sep 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

RE120D3-20200916DL

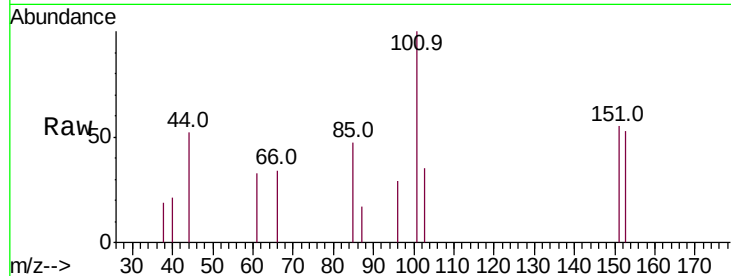
Tot Ion:101 Resp: 2698

Ion Ratio Lower Upper

101 100

85 45.4 37.7 56.5

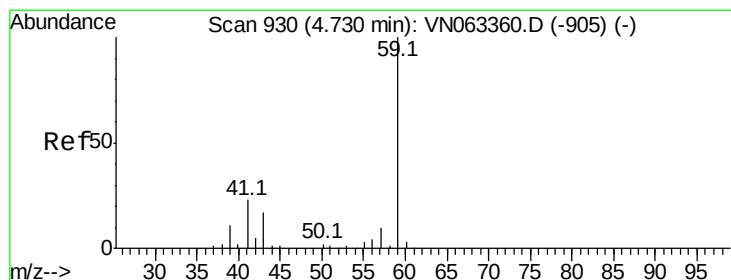
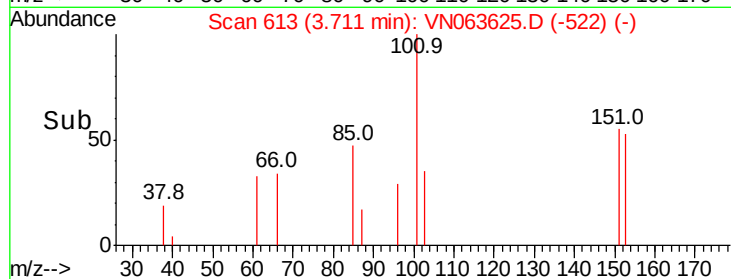
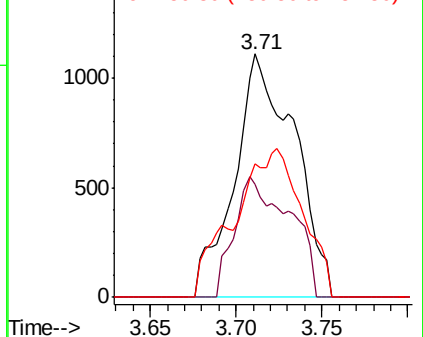
151 69.6 57.7 86.5



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: 0.458 ug/l

RT: 4.72 min Scan# 928

Delta R.T. -0.01 min

Lab File: VN063625.D

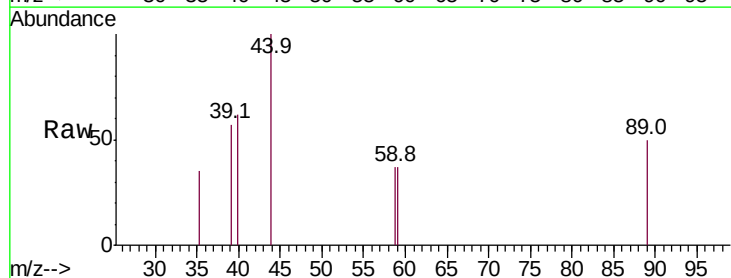
Acq: 24 Sep 2020 13:53

Tgt Ion: 59 Resp: 204

Ion Ratio Lower Upper

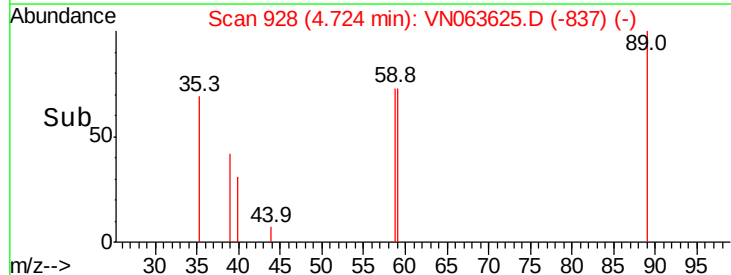
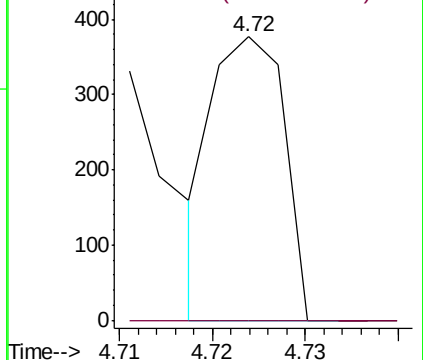
59 100

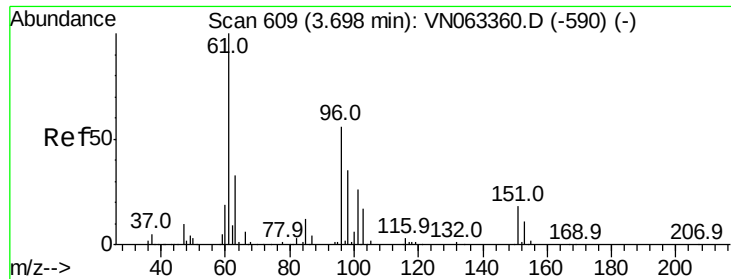
57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

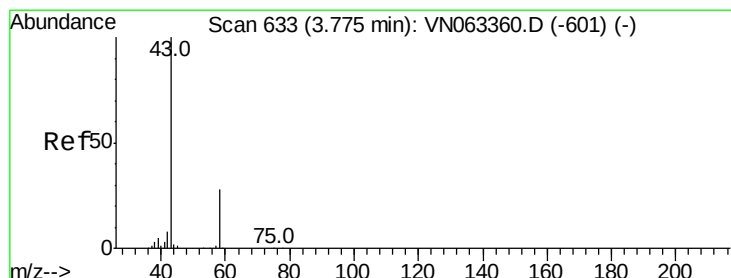
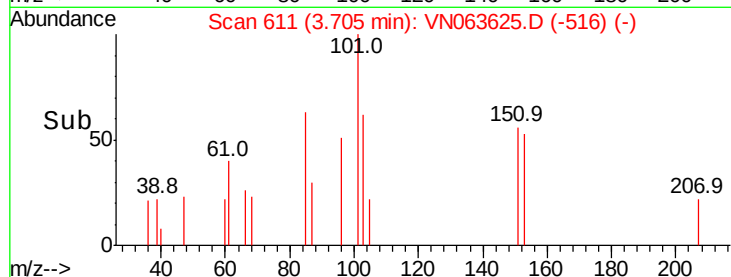
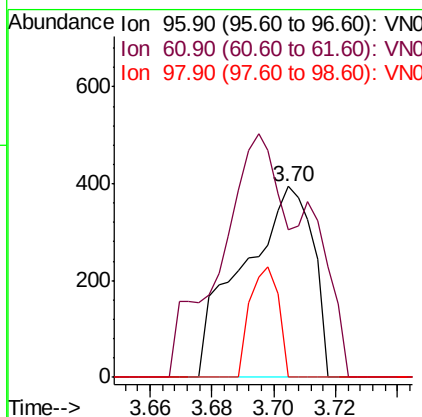
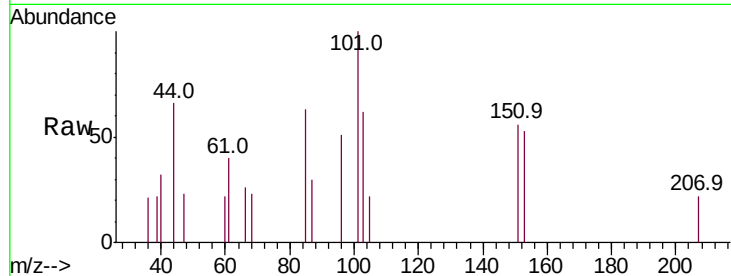




#12
 1,1-Dichloroethene
 Concen: 0.292 ug/l
 RT: 3.70 min Scan# 611
 Delta R.T. 0.01 min
 Lab File: VN063625.D
 Acq: 24 Sep 2020 13:53

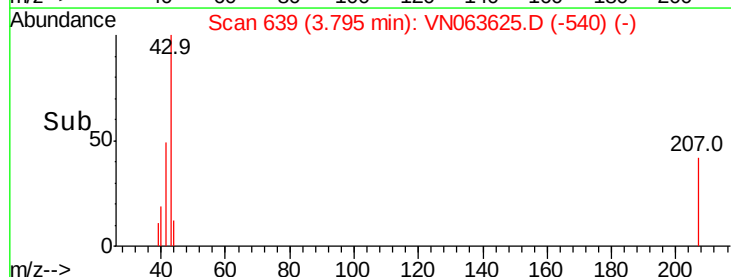
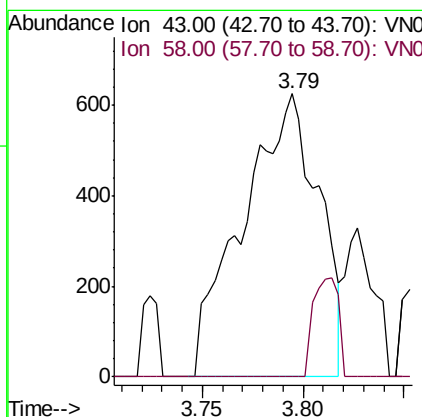
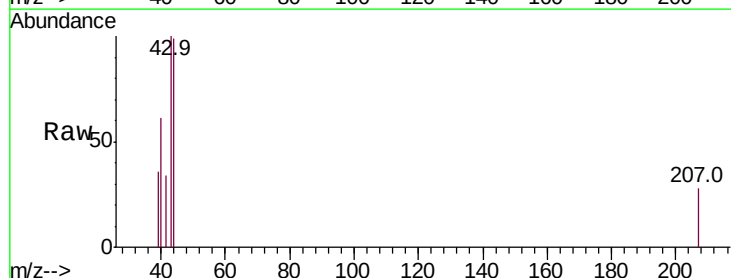
Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D3-20200916DL

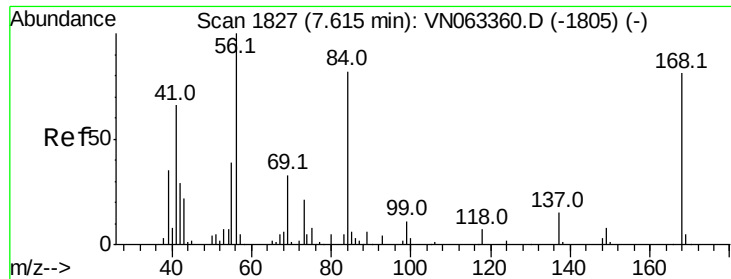
Tot Ion: 96 Resp: 623
 Ion Ratio Lower Upper
 96 100
 61 39.1 143.4 215.2#
 98 0.0 50.6 76.0#



#16
 Acetone
 Concen: 1.583 ug/l
 RT: 3.79 min Scan# 639
 Delta R.T. 0.02 min
 Lab File: VN063625.D
 Acq: 24 Sep 2020 13:53

Tgt Ion: 43 Resp: 1636
 Ion Ratio Lower Upper
 43 100
 58 0.0 22.3 33.5#

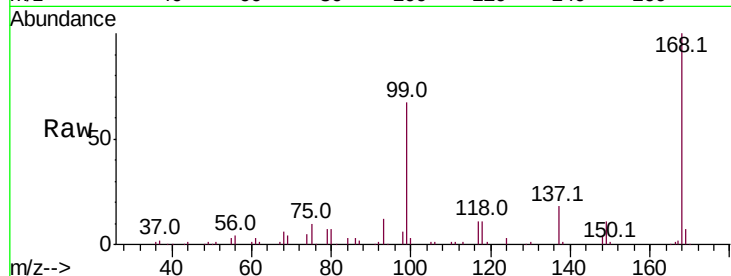




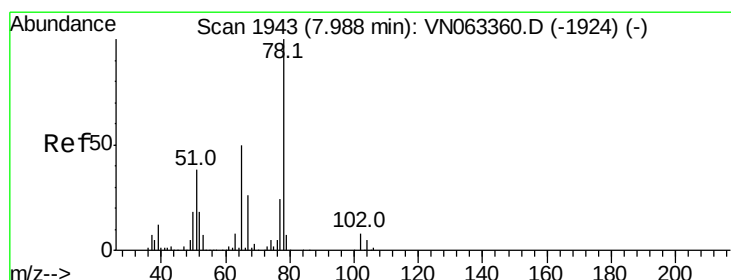
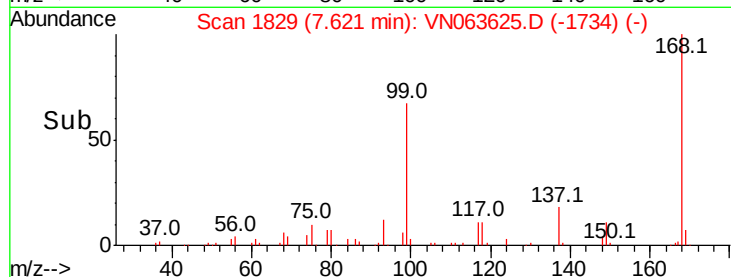
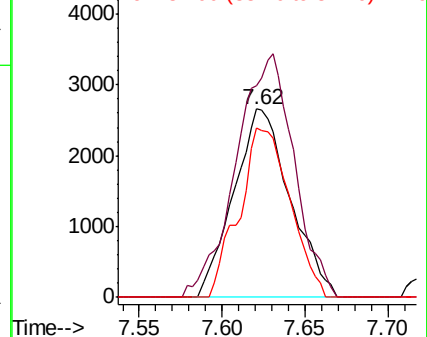
#31
Cyclohexane
Concen: 1.418 ug/l
RT: 7.62 min Scan# 1829
Delta R.T. 0.01 min
Lab File: VN063625.D
Acq: 24 Sep 2020 13:53

Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20200916DL

Tot Ion: 56 Resp: 6296
Ion Ratio Lower Upper
56 100
69 112.6 26.1 39.1#
84 89.9 65.4 98.2

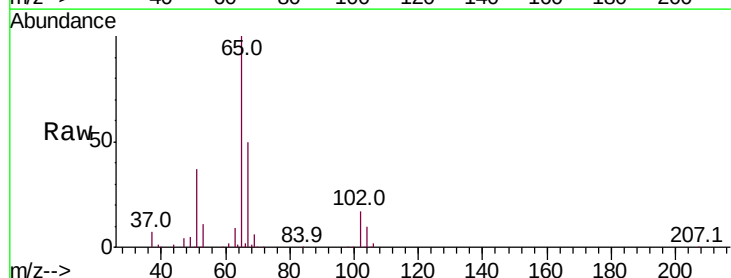


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

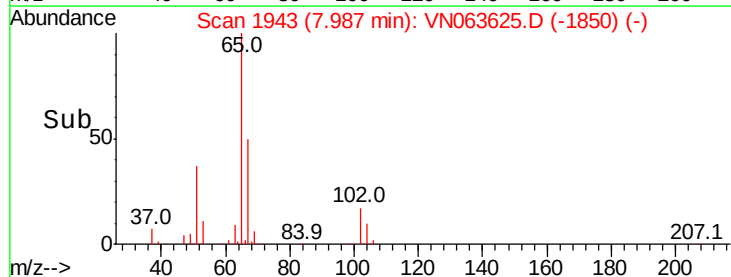
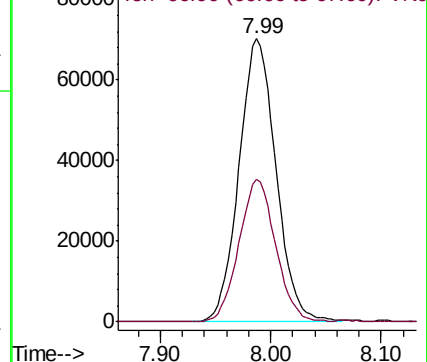


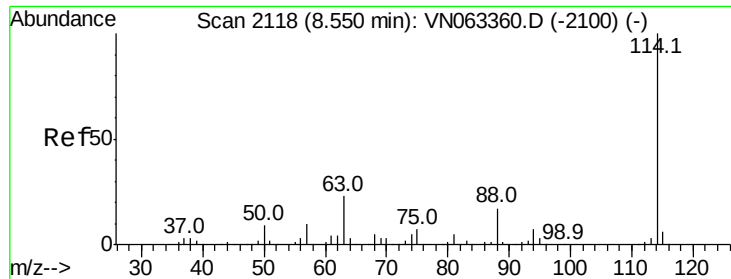
#33
1,2-Dichloroethane-d4
Concen: 50.776 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063625.D
Acq: 24 Sep 2020 13:53

Tgt Ion: 65 Resp: 163256
Ion Ratio Lower Upper
65 100
67 49.9 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

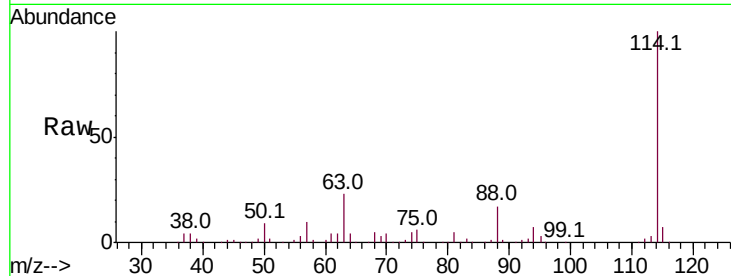




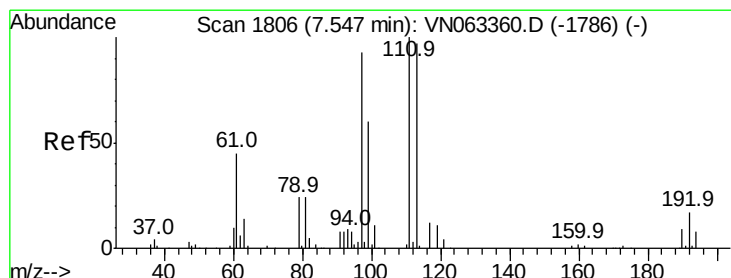
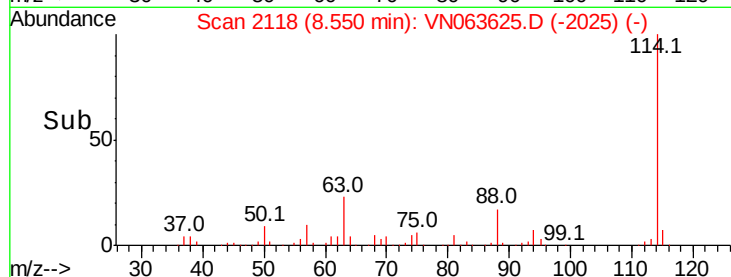
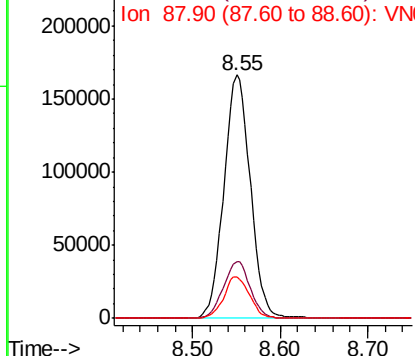
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063625.D
 Acq: 24 Sep 2020 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 RE120D3-20200916DL

Tot Ion:	114	Resp:	349106
Ion	Ratio	Lower	Upper
114	100		
63	23.3	0.0	46.4
88	16.9	0.0	33.2

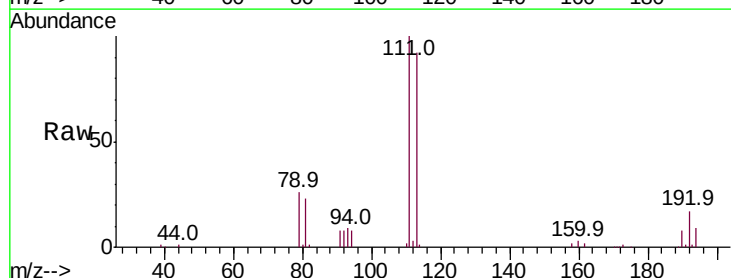


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

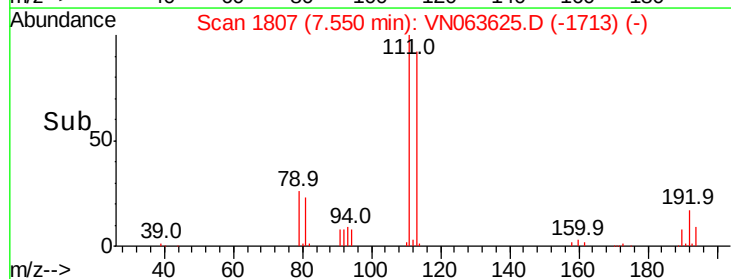
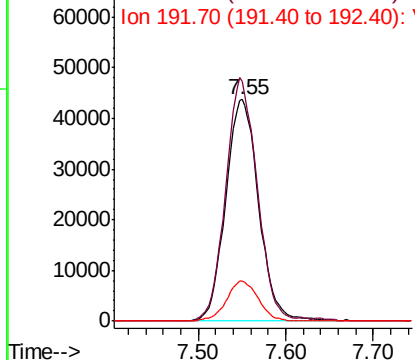


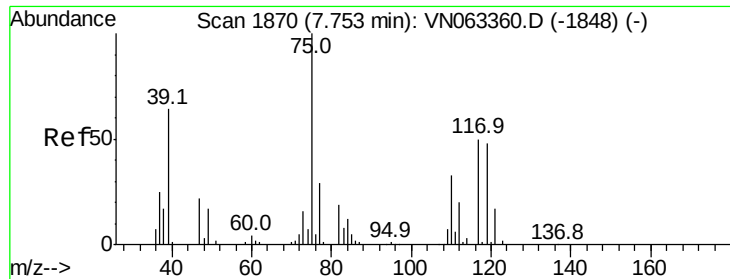
#35
 Dibromofluoromethane
 Concen: 47.340 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063625.D
 Acq: 24 Sep 2020 13:53

Tgt Ion:	113	Resp:	114411
Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.9	124.3
192	17.4	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: 4.839 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063625.D

Acq: 24 Sep 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

RE120D3-20200916DL

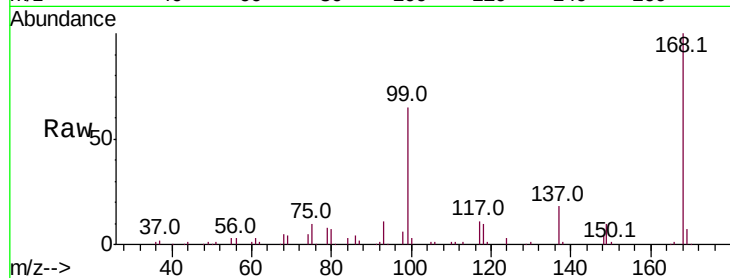
Tot Ion: 75 Resp: 17997

Ion Ratio Lower Upper

75 100

110 7.7 16.5 49.5#

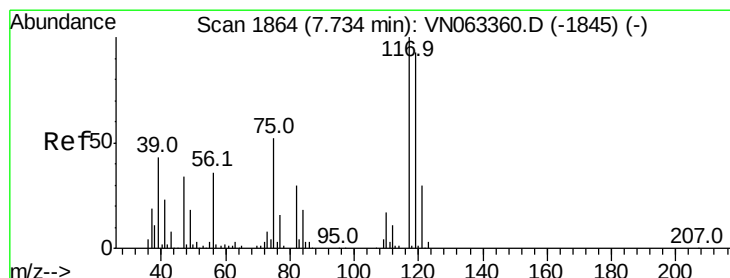
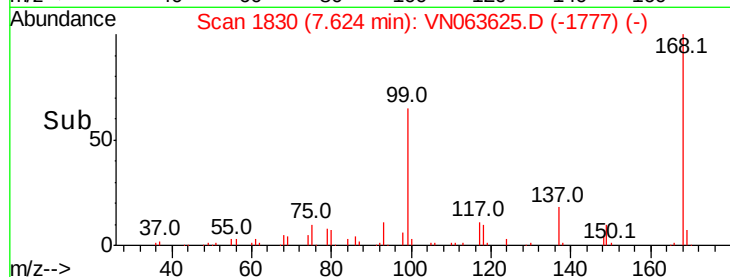
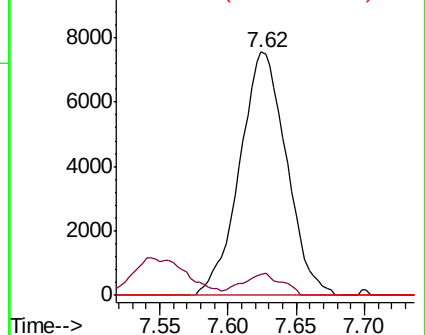
77 0.0 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0



#38

Carbon Tetrachloride

Concen: 5.538 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.11 min

Lab File: VN063625.D

Acq: 24 Sep 2020 13:53

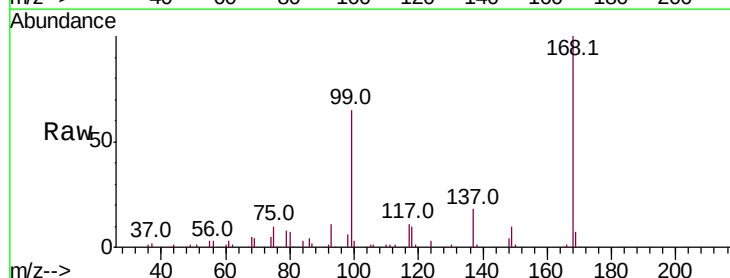
Tgt Ion: 117 Resp: 21027

Ion Ratio Lower Upper

117 100

119 5.0 74.5 111.7#

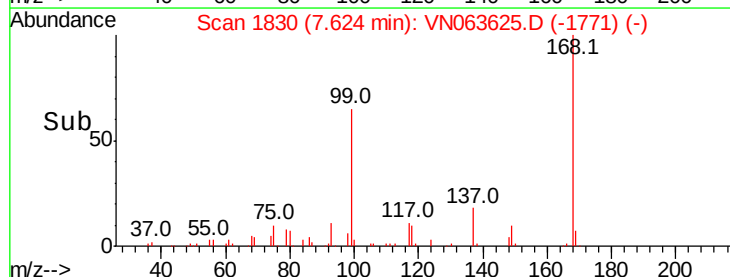
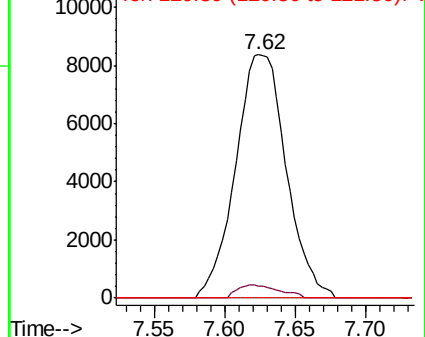
121 0.0 24.1 36.1#

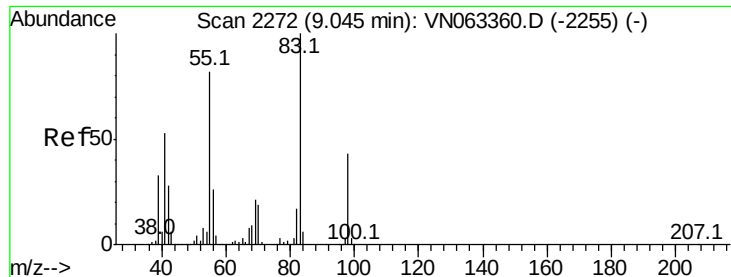


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

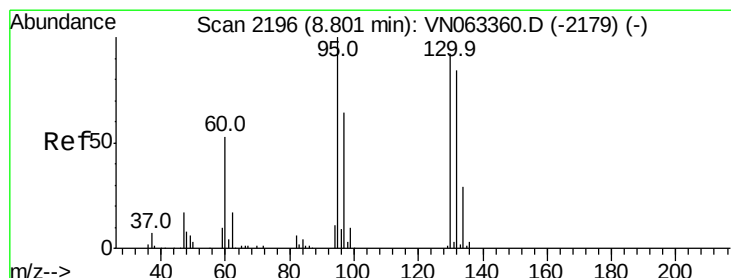
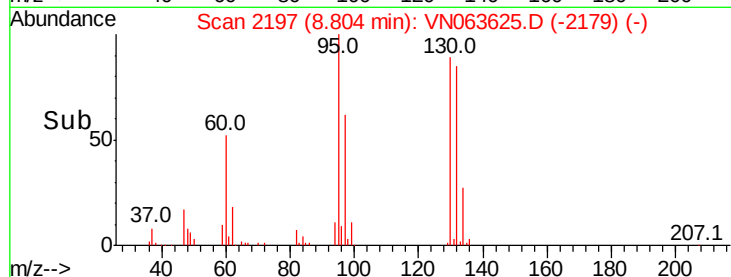
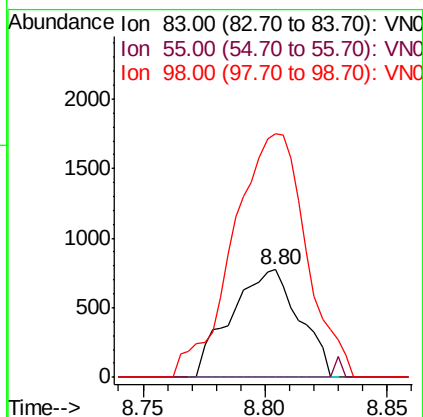
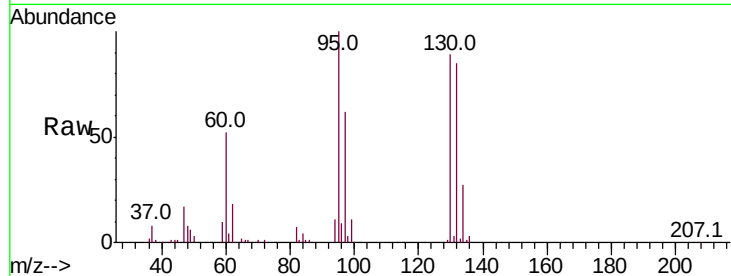




#39
Methylcyclohexane
Concen: 0.372 ug/l
RT: 8.80 min Scan# 2197
Delta R.T. -0.24 min
Lab File: VN063625.D
Acq: 24 Sep 2020 13:53

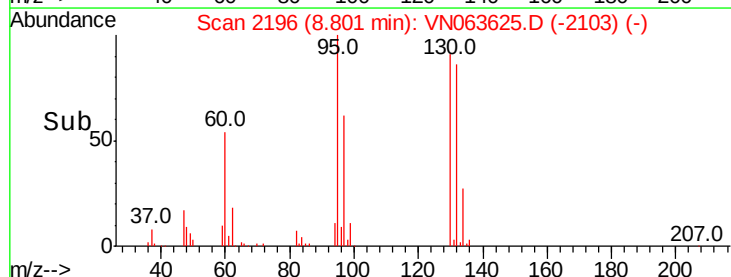
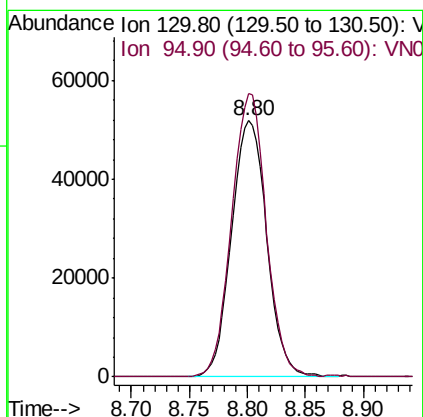
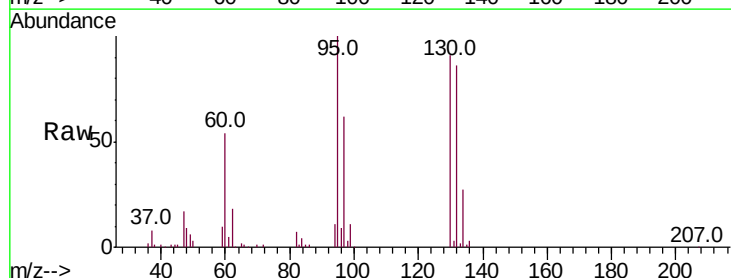
Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20200916DL

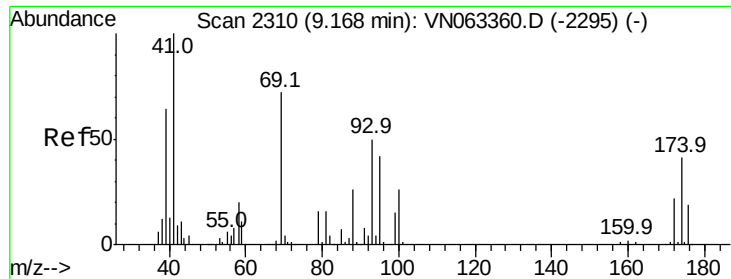
Tot Ion: 83 Resp: 1501
Ion Ratio Lower Upper
83 100
55 0.0 65.5 98.3#
98 201.9 34.2 51.4#



#44
Trichloroethene
Concen: 42.481 ug/l
RT: 8.80 min Scan# 2196
Delta R.T. -0.00 min
Lab File: VN063625.D
Acq: 24 Sep 2020 13:53

Tgt Ion: 130 Resp: 109393
Ion Ratio Lower Upper
130 100
95 110.5 0.0 217.4

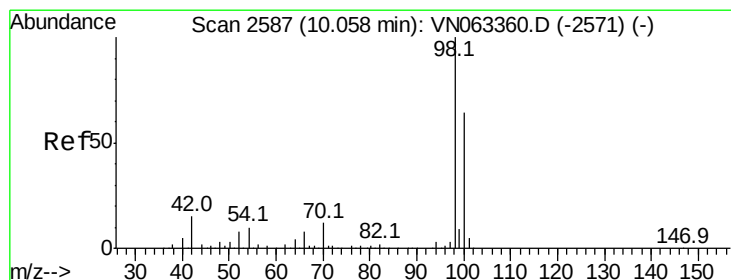
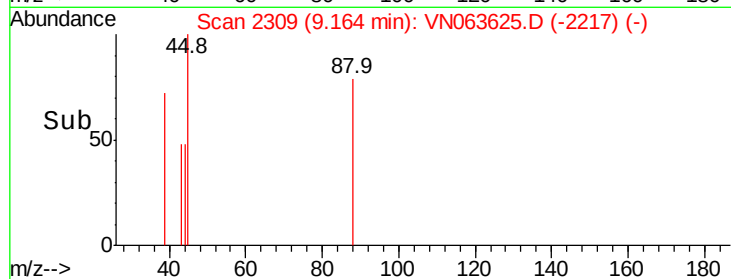
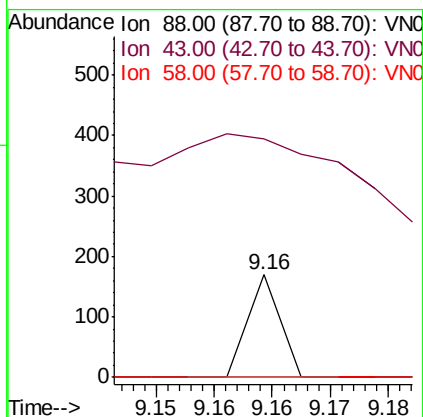
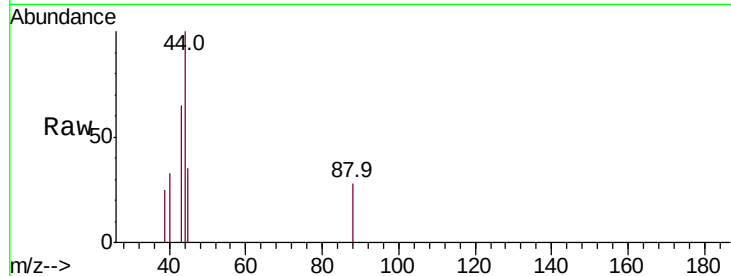




#49
1,4-Dioxane
Concen: 0.717 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063625.D
Acq: 24 Sep 2020 13:53

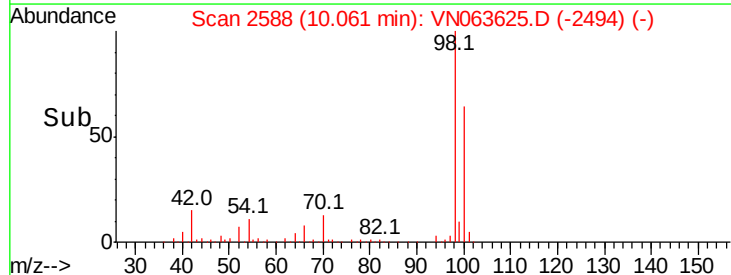
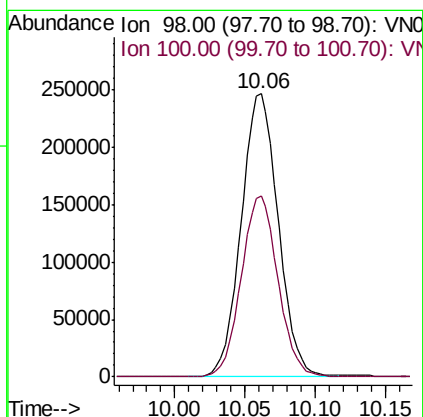
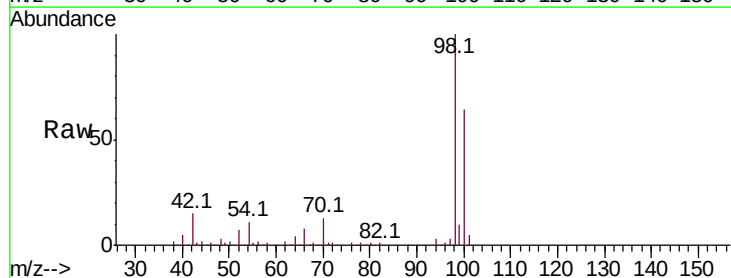
Instrument :
MSVOA_N
ClientSampleId :
RE120D3-20200916DL

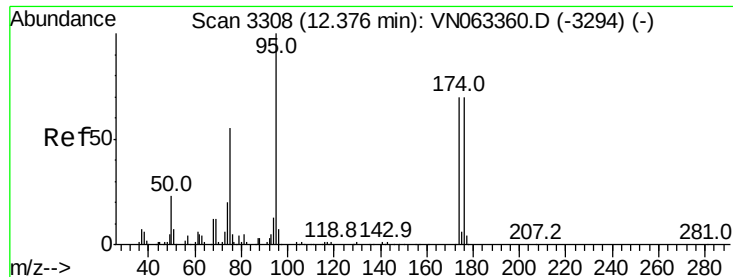
Tot Ion: 88 Resp: 33
Ion Ratio Lower Upper
88 100
43 845.5 32.6 49.0#
58 0.0 60.0 90.0#



#50
Toluene-d8
Concen: 49.991 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063625.D
Acq: 24 Sep 2020 13:53

Tgt Ion: 98 Resp: 454295
Ion Ratio Lower Upper
98 100
100 63.4 50.7 76.1





#62

4-Bromofluorobenzene

Concen: 54.677 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063625.D

Acq: 24 Sep 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

RE120D3-20200916DL

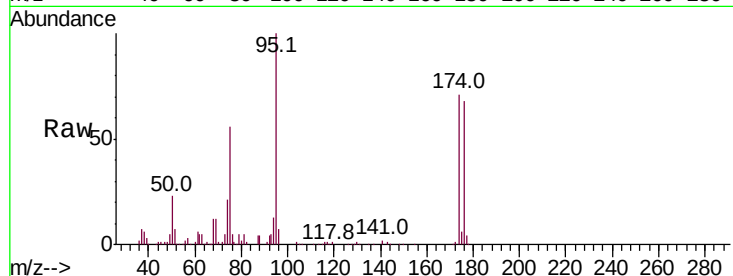
Tot Ion: 95 Resp: 182149

Ion Ratio Lower Upper

95 100

174 72.1 0.0 140.8

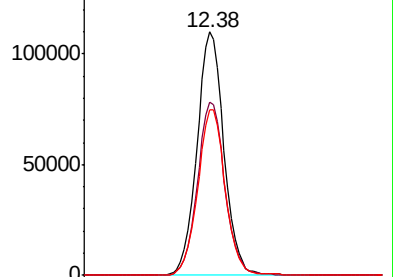
176 69.2 0.0 137.6



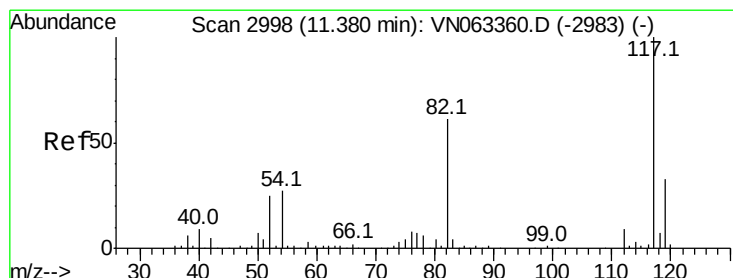
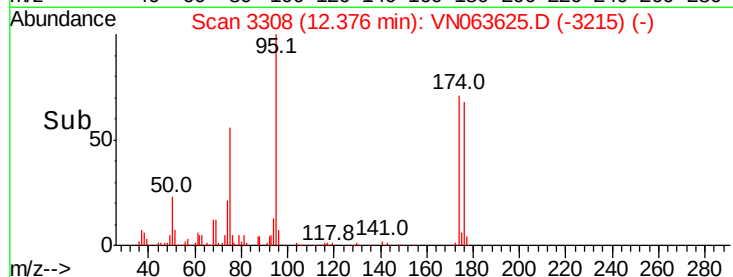
Abundance Ion 94.90 (94.60 to 95.60): VN063360.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063360.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063360.D (-3294) (-)



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063625.D

Acq: 24 Sep 2020 13:53

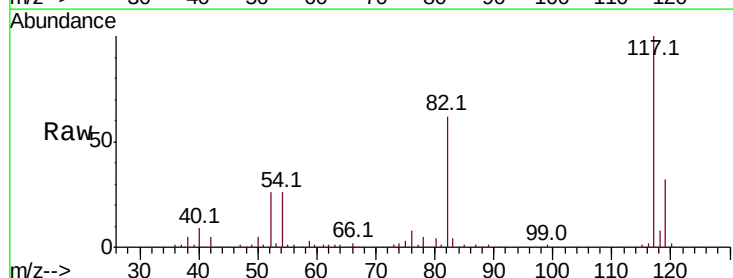
Tgt Ion: 117 Resp: 357232

Ion Ratio Lower Upper

117 100

82 62.1 49.2 73.8

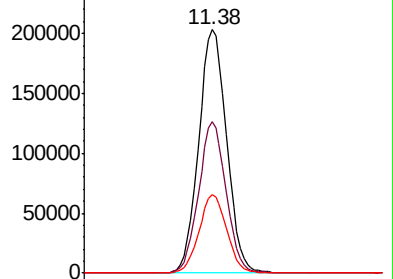
119 32.1 26.2 39.4



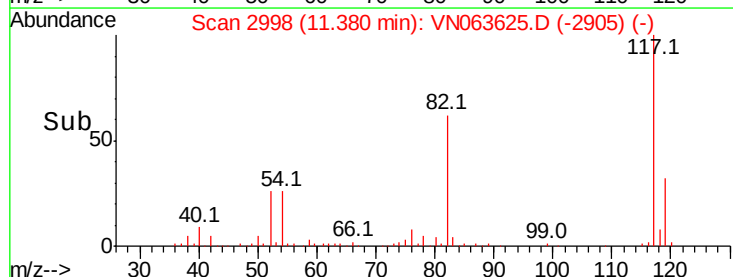
Abundance Ion 116.90 (116.60 to 117.60): VN063360.D (-2983) (-)

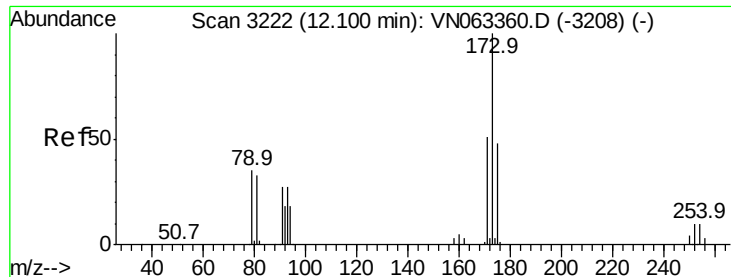
Ion 82.00 (81.70 to 82.70): VN063360.D (-2983) (-)

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



Time-->





#71

Bromoform

Concen: 0.328 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN063625.D

Acq: 24 Sep 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

RE120D3-20200916DL

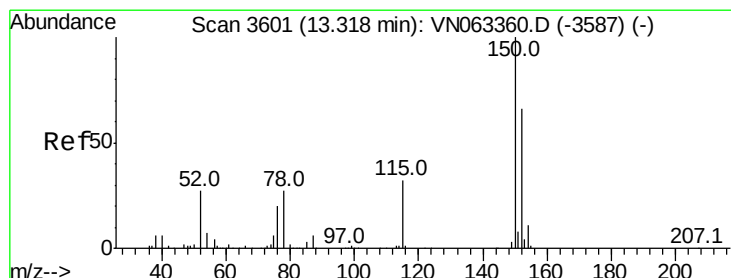
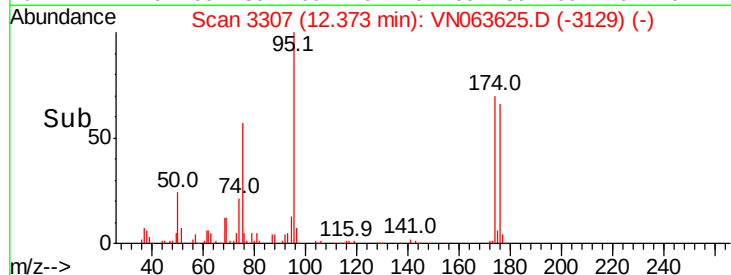
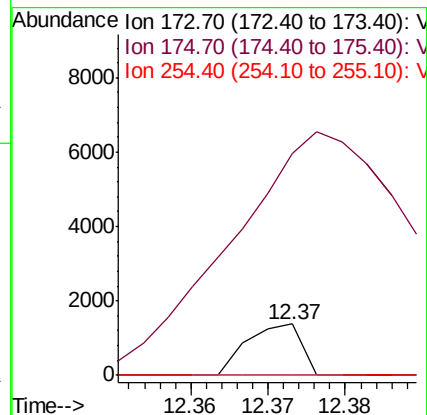
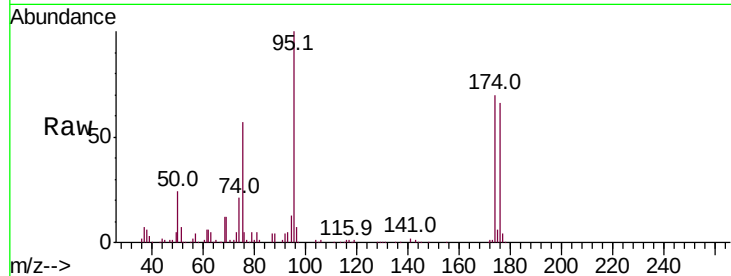
Tot Ion:173 Resp: 679

Ion Ratio Lower Upper

173 100

175 1322.1 24.0 72.0#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VN063625.D

Acq: 24 Sep 2020 13:53

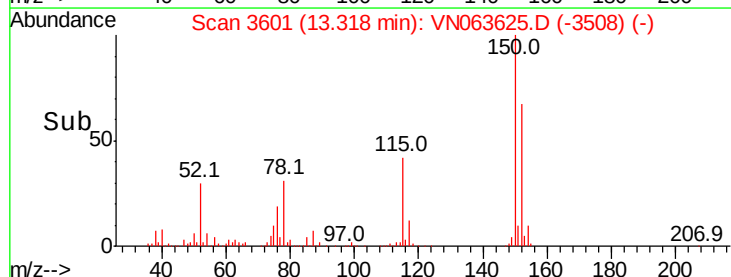
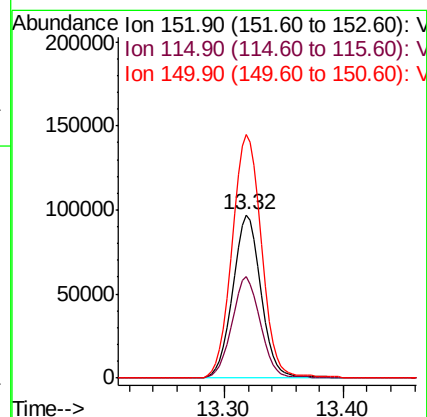
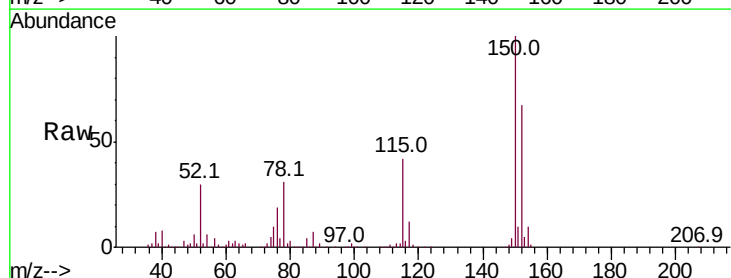
Tgt Ion:152 Resp: 159525

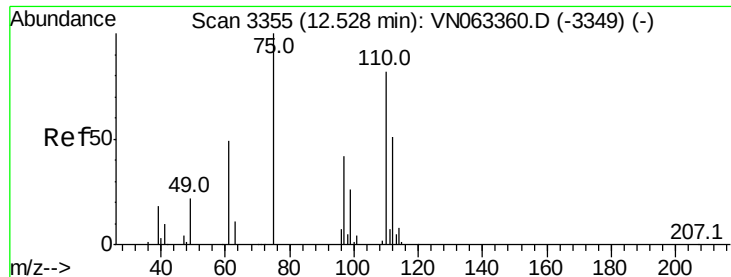
Ion Ratio Lower Upper

152 100

115 62.8 32.2 96.6

150 155.5 0.0 343.4





#76

1,2,3-Trichloropropane

Concen: 26.145 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063625.D

Acq: 24 Sep 2020 13:53

Instrument :

MSVOA_N

ClientSampleId :

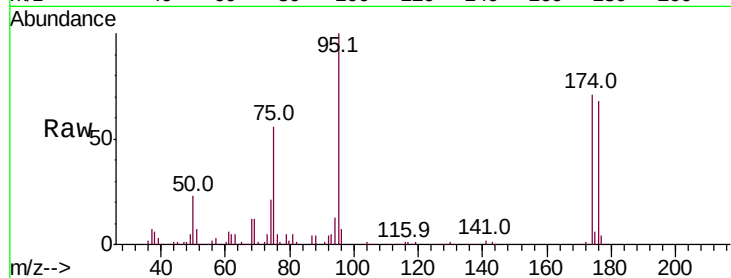
RE120D3-20200916DL

Tot Ion: 75 Resp: 103234

Ion Ratio Lower Upper

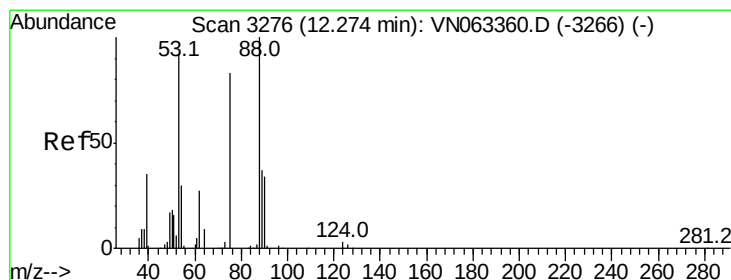
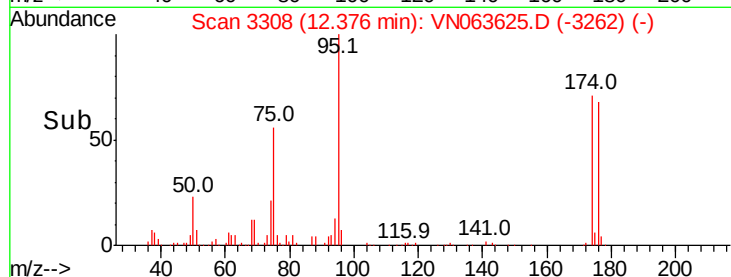
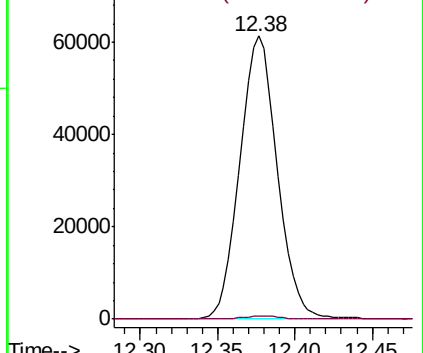
75 100

77 1.1 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: 71.681 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063625.D

Acq: 24 Sep 2020 13:53

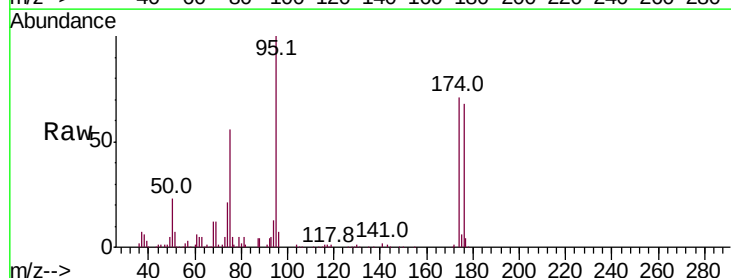
Tgt Ion: 75 Resp: 103234

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

