

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092320\
 Data File : VN063590.D
 Acq On : 23 Sep 2020 15:42
 Operator : JC/MD
 Sample : L4082-22DL 4X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D3-20200916DL

Quant Time: Sep 24 02:35:48 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	210883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	398451	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	402867	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	169177	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	179248	49.93	ug/l	0.00
Spiked Amount						
			Recovery	=	99.86%	
35) Dibromofluoromethane	7.55	113	130792	47.42	ug/l	0.00
Spiked Amount						
			Recovery	=	94.84%	
50) Toluene-d8	10.06	98	515026	49.66	ug/l	0.00
Spiked Amount						
			Recovery	=	99.32%	
62) 4-Bromofluorobenzene	12.38	95	197271	51.88	ug/l	0.00
Spiked Amount						
			Recovery	=	103.76%	

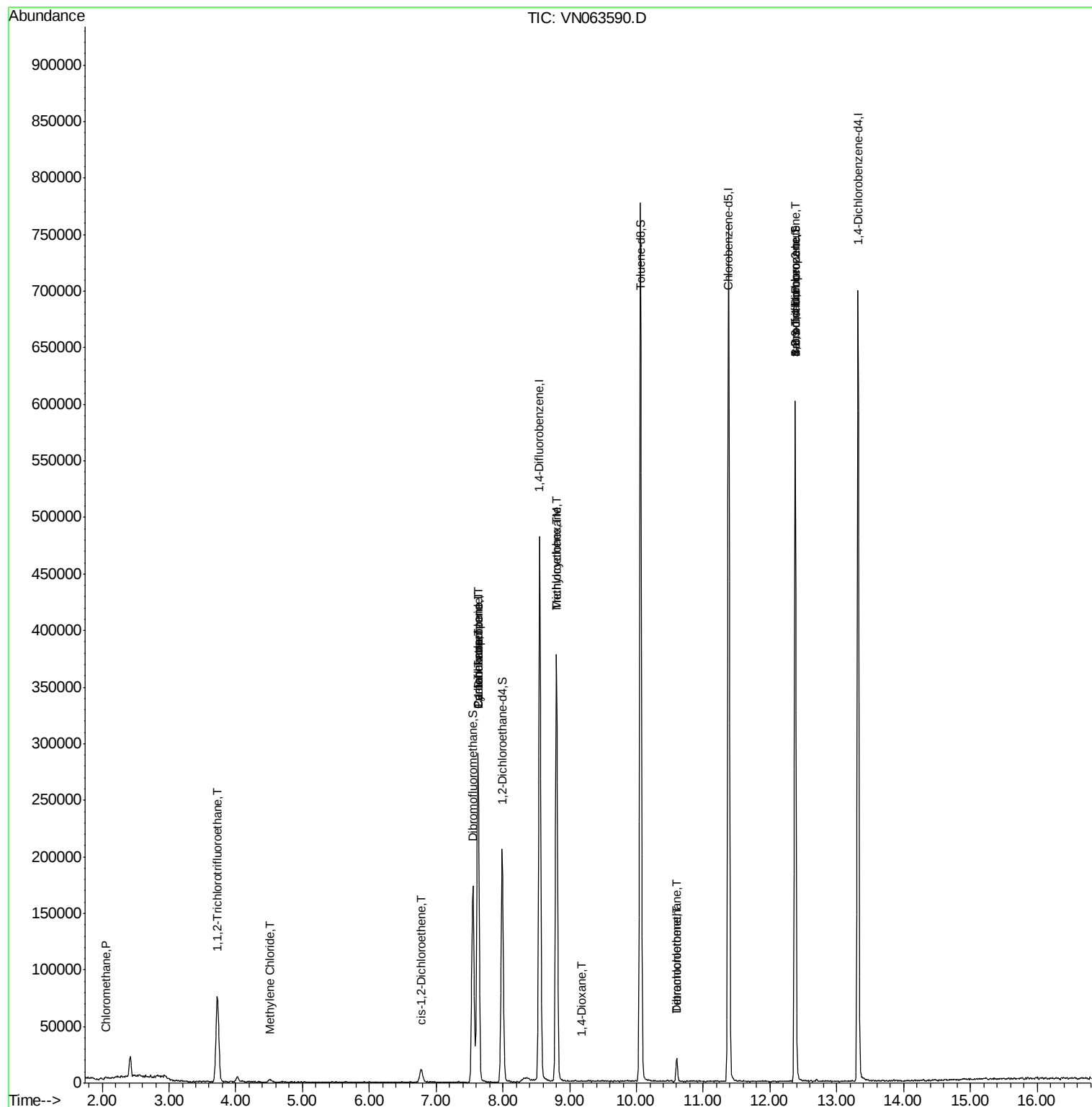
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	858	0.271	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.72	101	45600	19.408	ug/l	96
20) Methylene Chloride	4.50	84	814	0.278	ug/l #	28
27) cis-1,2-Dichloroethene	6.78	96	1588	0.532	ug/l	74
31) Cyclohexane	7.62	56	5583	1.126	ug/l #	33
36) 1,1-Dichloropropene	7.63	75	19431	4.577	ug/l #	51
38) Carbon Tetrachloride	7.63	117	23347	5.388	ug/l #	16
39) Methylcyclohexane	8.80	83	2096	0.455	ug/l #	1
44) Trichloroethene	8.80	130	125787	42.798	ug/l	96
49) 1,4-Dioxane	9.17	88	31	0.590	ug/l #	1
60) Dibromochloromethane	10.61	129	4155	1.271	ug/l #	10
64) Tetrachloroethene	10.60	164	4065	1.482	ug/l #	83
71) Bromoform	12.37	173	1110	0.475	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	111873	26.717	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	111873	73.247	ug/l #	7

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063590.D

Acq: 23 Sep 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

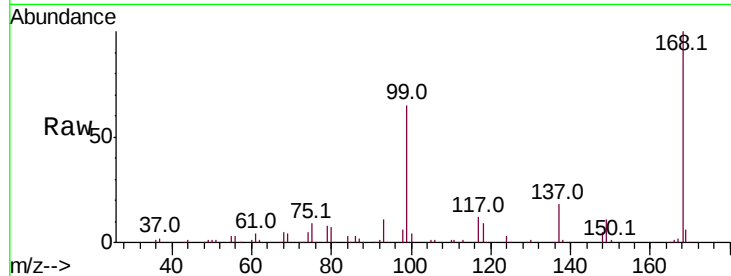
RE125D3-20200916DL

Tot Ion:168 Resp: 210883

Ion Ratio Lower Upper

168 100

99 64.8 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.63

100000

80000

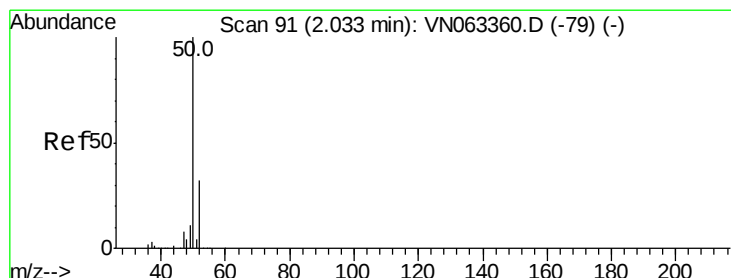
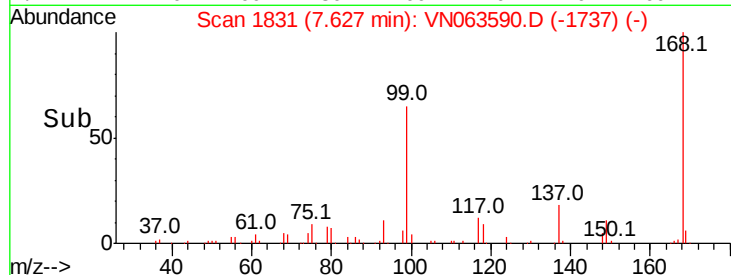
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#3

Chloromethane

Concen: 0.271 ug/l

RT: 2.04 min Scan# 94

Delta R.T. 0.01 min

Lab File: VN063590.D

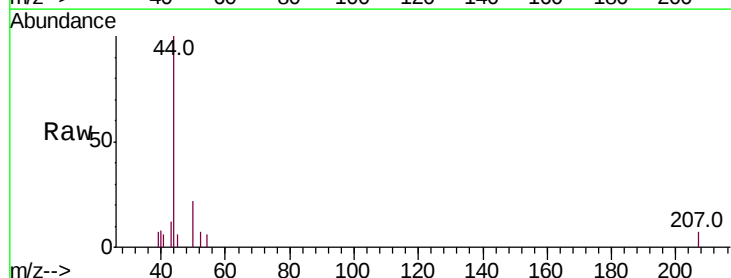
Acq: 23 Sep 2020 15:42

Tgt Ion: 50 Resp: 858

Ion Ratio Lower Upper

50 100

52 29.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

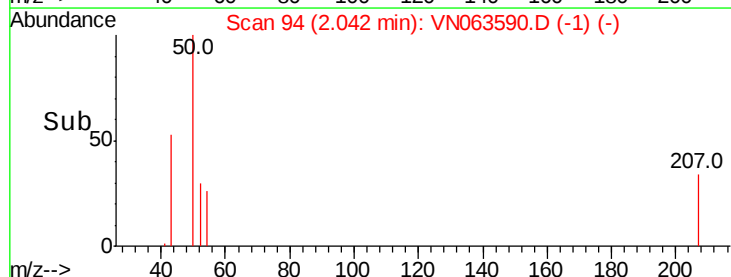
600

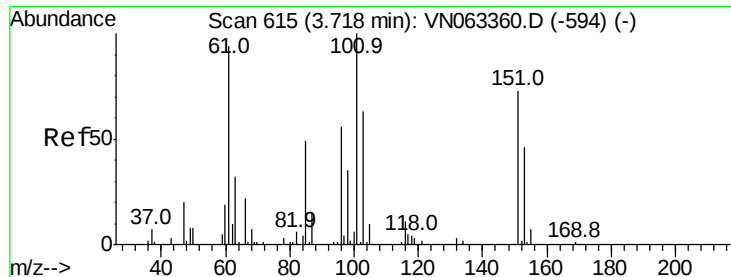
400

200

0

Time--> 2.00 2.02 2.04 2.06





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.408 ug/l

RT: 3.72 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN063590.D

Acq: 23 Sep 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

RE125D3-20200916DL

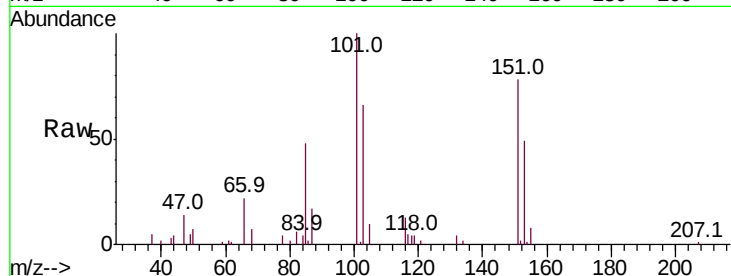
Tot Ion:101 Resp: 45600

Ion Ratio Lower Upper

101 100

85 49.8 37.7 56.5

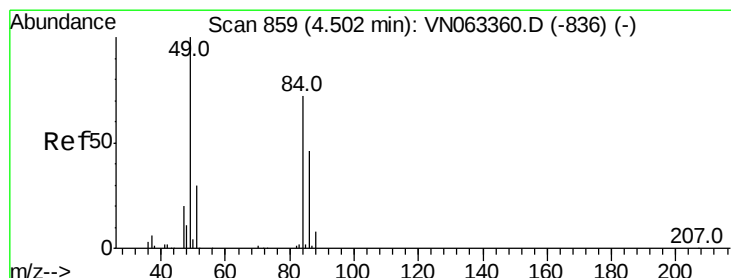
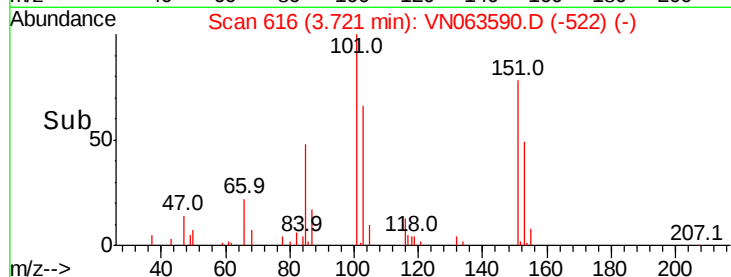
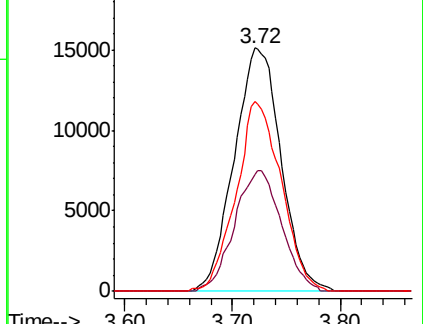
151 75.2 57.7 86.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VNO

Ion 150.80 (150.50 to 151.50): V



#20

Methylene Chloride

Concen: 0.278 ug/l

RT: 4.50 min Scan# 858

Delta R.T. -0.00 min

Lab File: VN063590.D

Acq: 23 Sep 2020 15:42

Tgt Ion: 84 Resp: 814

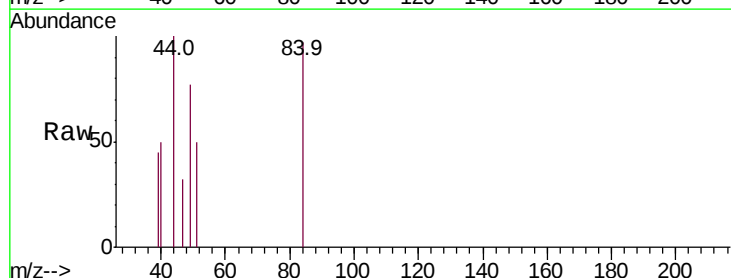
Ion Ratio Lower Upper

84 100

49 44.1 110.7 166.1#

51 19.3 32.9 49.3#

86 0.0 51.1 76.7#

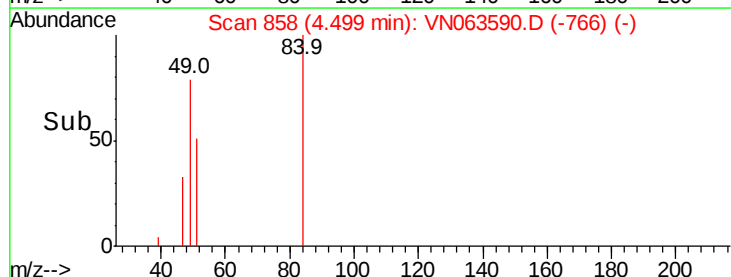
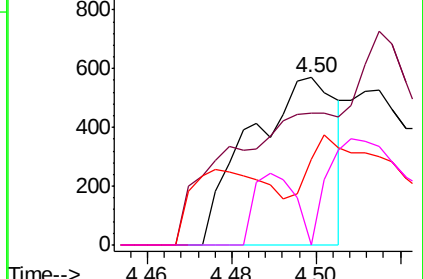


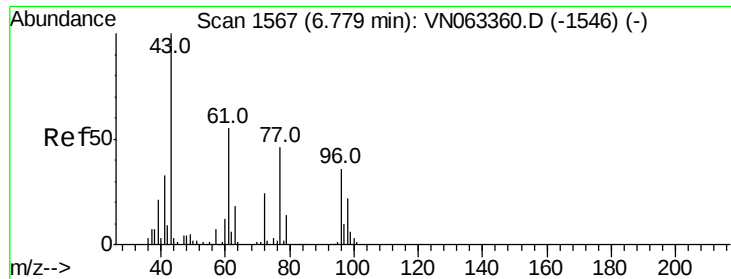
Abundance Ion 83.90 (83.60 to 84.60): VNO

Ion 48.90 (48.60 to 49.60): VNO

Ion 50.90 (50.60 to 51.60): VNO

Ion 85.90 (85.60 to 86.60): VNO

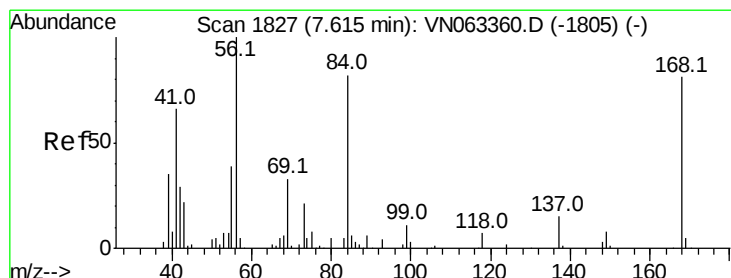
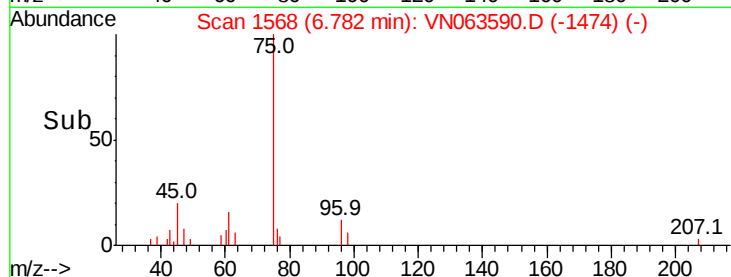
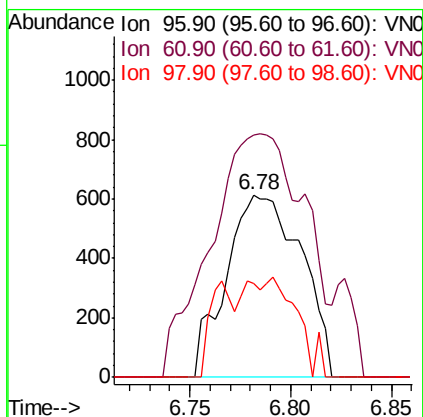
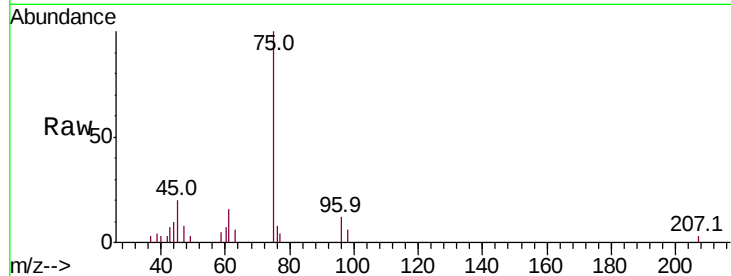




#27
 cis-1,2-Dichloroethene
 Concen: 0.532 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN063590.D
 Acq: 23 Sep 2020 15:42

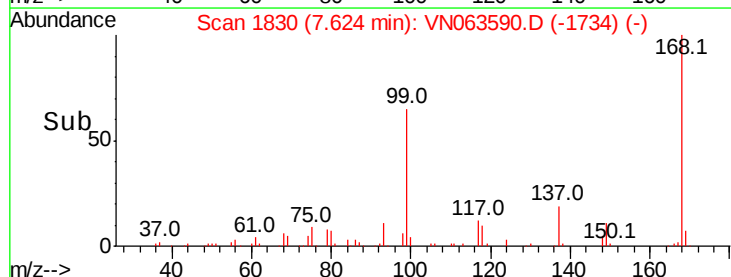
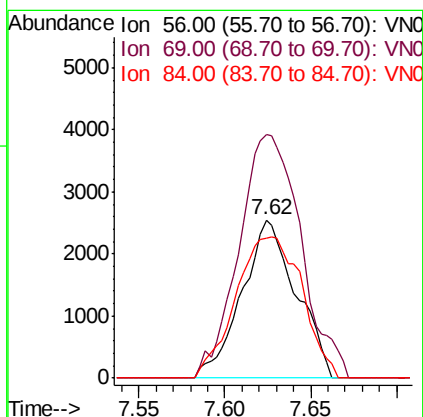
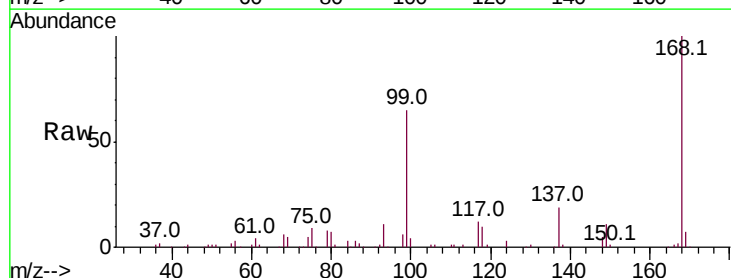
Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D3-20200916DL

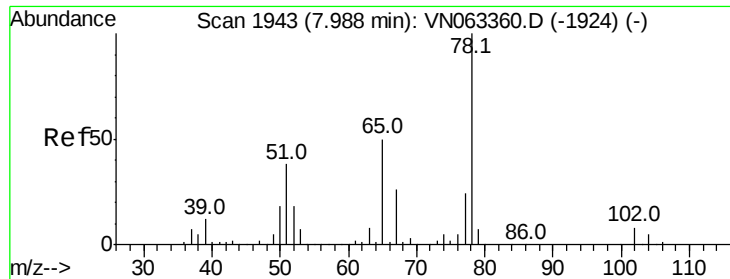
Tot Ion: 96 Resp: 1588
 Ion Ratio Lower Upper
 96 100
 61 168.8 0.0 319.6
 98 5.0 0.0 127.8



#31
 Cyclohexane
 Concen: 1.126 ug/l
 RT: 7.62 min Scan# 1830
 Delta R.T. 0.01 min
 Lab File: VN063590.D
 Acq: 23 Sep 2020 15:42

Tgt Ion: 56 Resp: 5583
 Ion Ratio Lower Upper
 56 100
 69 154.1 26.1 39.1#
 84 88.3 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 49.933 ug/l

RT: 7.99 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN063590.D

Acq: 23 Sep 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

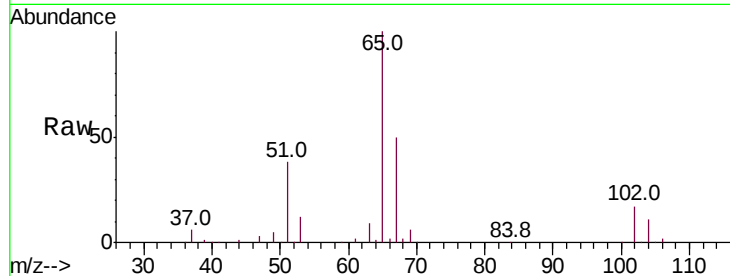
RE125D3-20200916DL

Tot Ion: 65 Resp: 179248

Ion Ratio Lower Upper

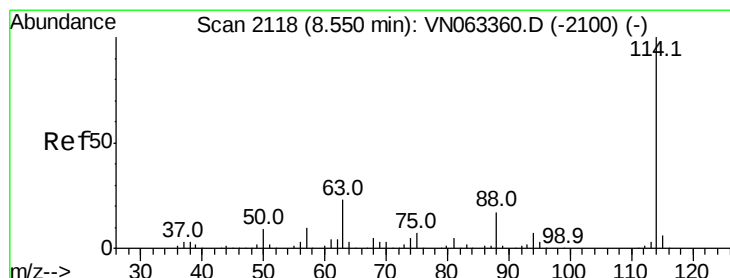
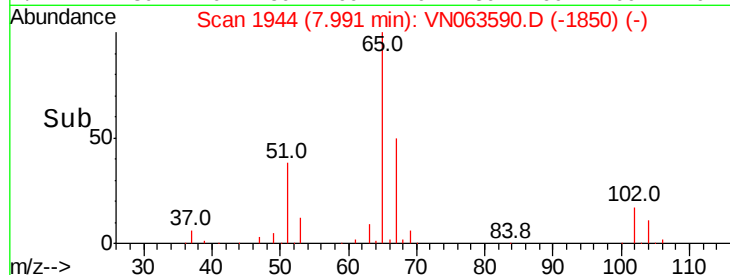
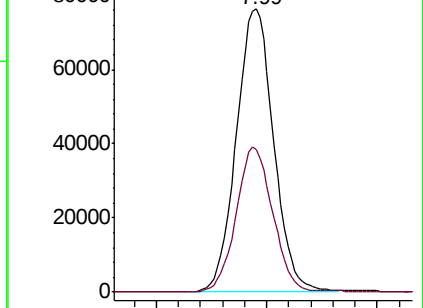
65 100

67 50.3 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN063360.D (-1924) (-)

Ion 66.90 (66.60 to 67.60): VN063360.D (-1924) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN063590.D

Acq: 23 Sep 2020 15:42

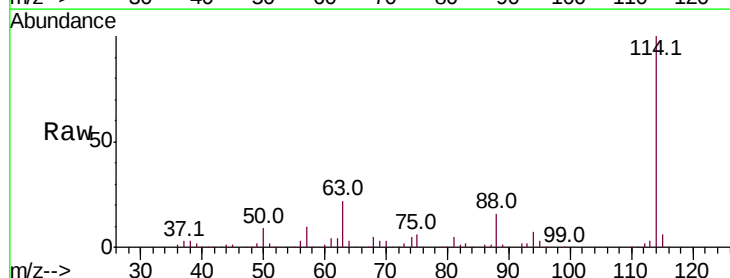
Tgt Ion:114 Resp: 398451

Ion Ratio Lower Upper

114 100

63 22.3 0.0 46.4

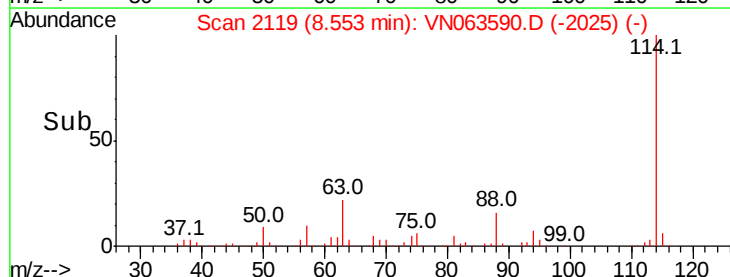
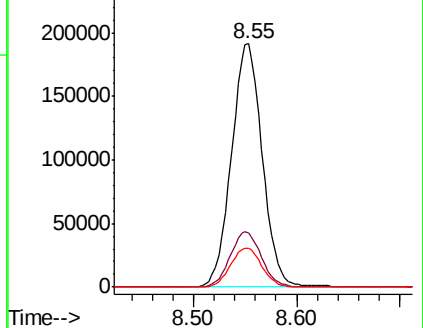
88 16.0 0.0 33.2

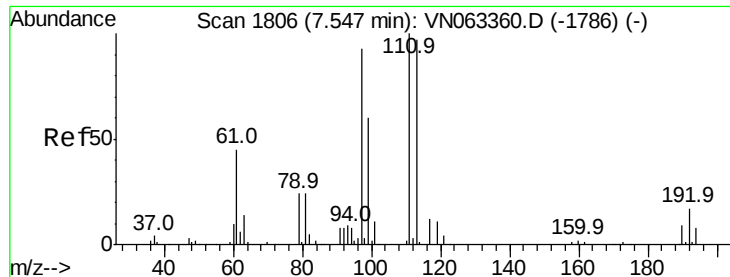


Abundance Ion 113.90 (113.60 to 114.60): VN063360.D (-2100) (-)

Ion 63.00 (62.70 to 63.70): VN063360.D (-2100) (-)

Ion 87.90 (87.60 to 88.60): VN063360.D (-2100) (-)

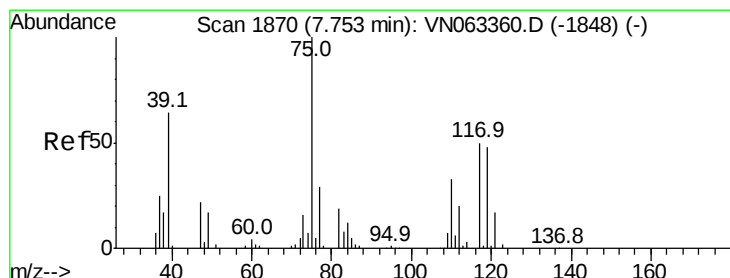
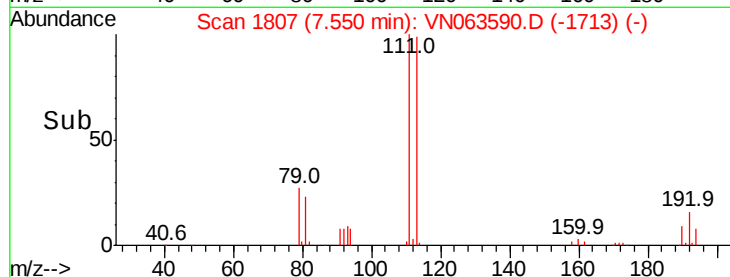
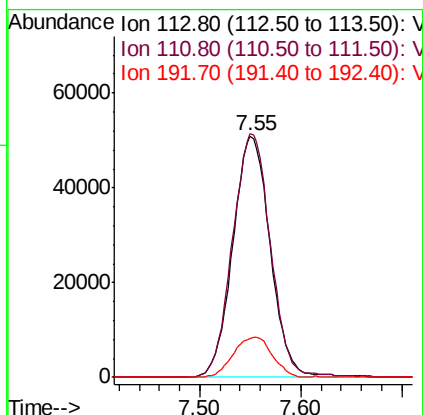
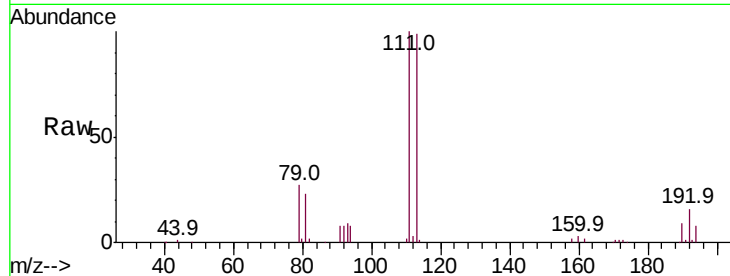




#35
 Dibromofluoromethane
 Concen: 47.416 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063590.D
 Acq: 23 Sep 2020 15:42

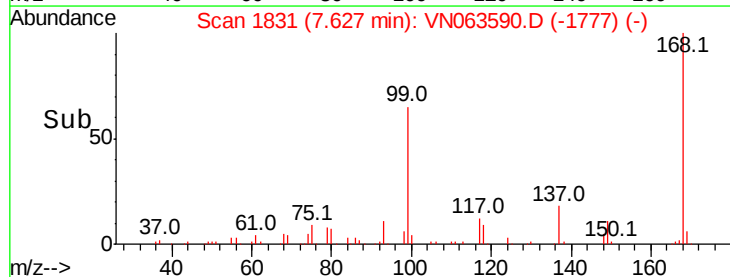
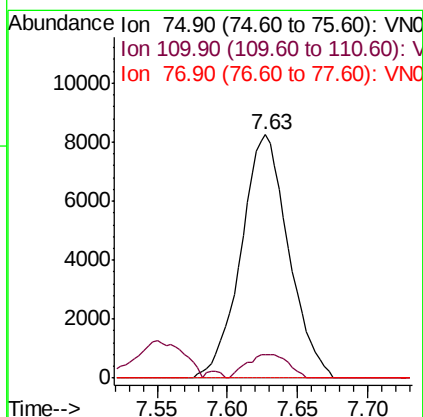
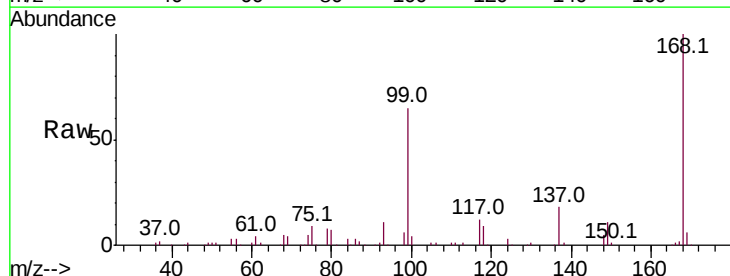
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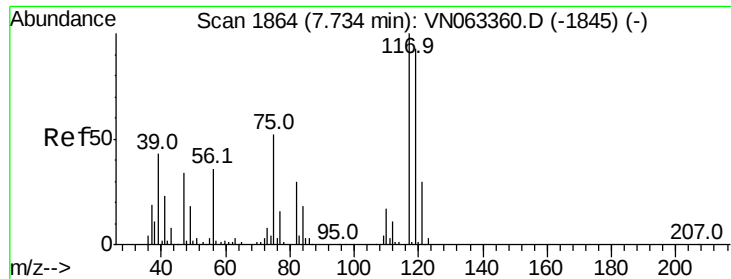
Tot Ion:113 Resp: 130792
 Ion Ratio Lower Upper
 113 100
 111 102.7 82.9 124.3
 192 17.4 13.9 20.9



#36
 1,1-Dichloropropene
 Concen: 4.577 ug/l
 RT: 7.63 min Scan# 1831
 Delta R.T. -0.13 min
 Lab File: VN063590.D
 Acq: 23 Sep 2020 15:42

Tgt Ion: 75 Resp: 19431
 Ion Ratio Lower Upper
 75 100
 110 8.6 16.5 49.5#
 77 0.0 24.6 36.8#

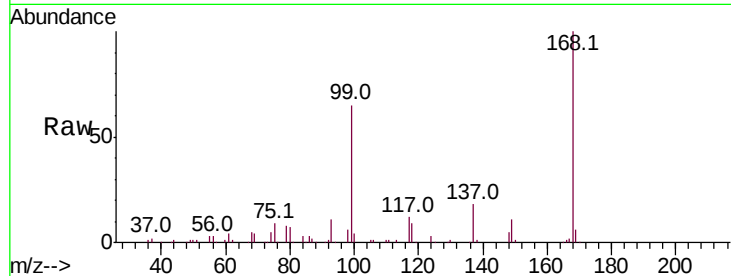




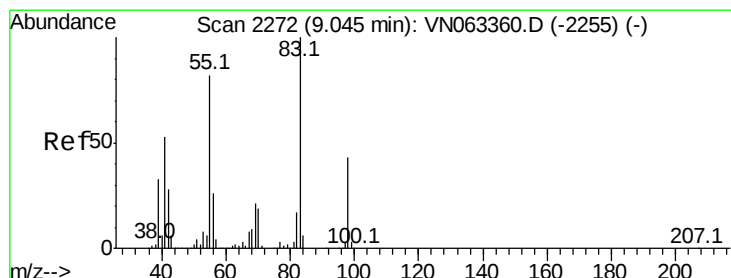
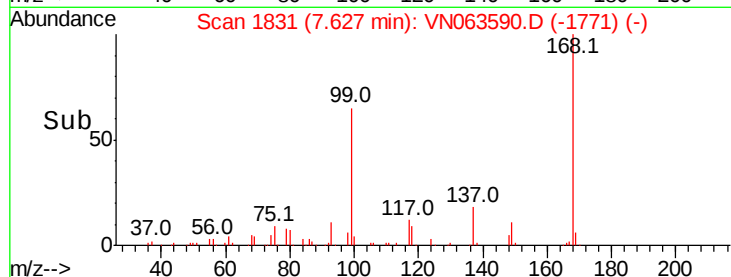
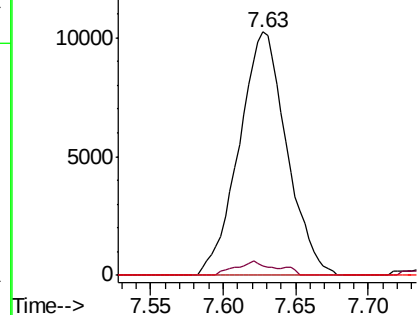
#38
Carbon Tetrachloride
Concen: 5.388 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063590.D
Acq: 23 Sep 2020 15:42

Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20200916DL

Tot Ion:117 Resp: 23347
Ion Ratio Lower Upper
117 100
119 3.8 74.5 111.7#
121 0.0 24.1 36.1#

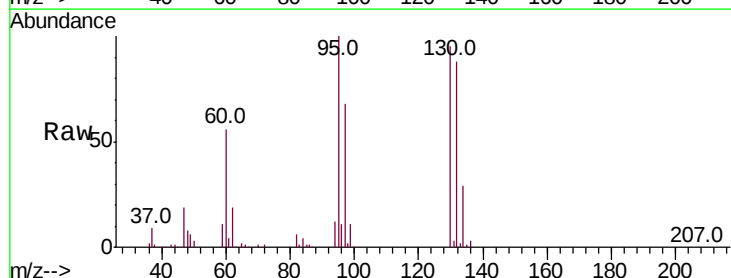


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

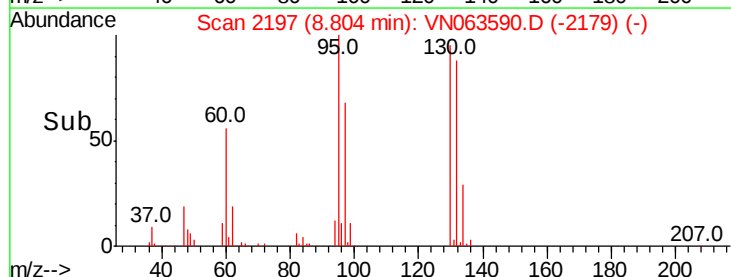
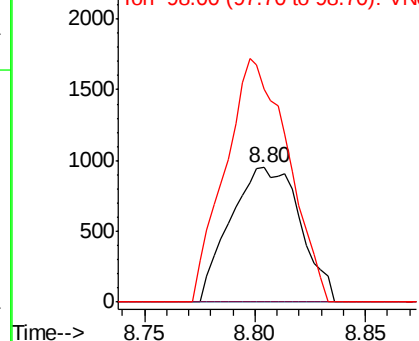


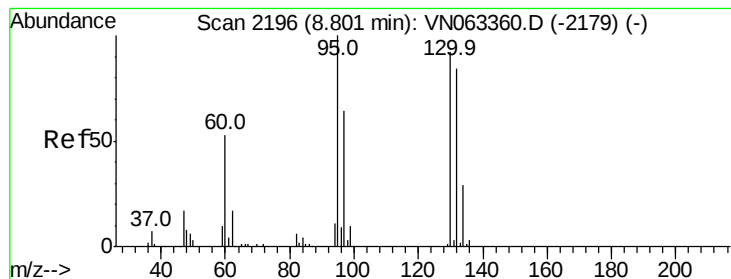
#39
Methylcyclohexane
Concen: 0.455 ug/l
RT: 8.80 min Scan# 2197
Delta R.T. -0.24 min
Lab File: VN063590.D
Acq: 23 Sep 2020 15:42

Tgt Ion: 83 Resp: 2096
Ion Ratio Lower Upper
83 100
55 0.0 65.5 98.3#
98 158.2 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: 42.798 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN063590.D

Acq: 23 Sep 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

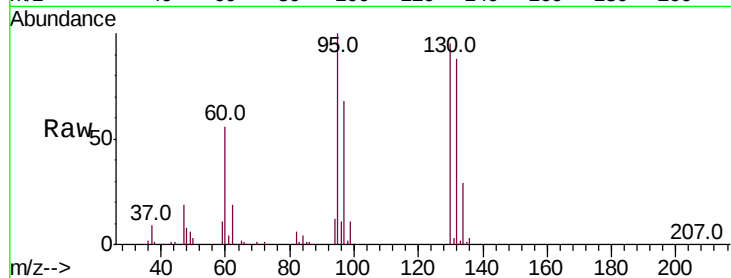
RE125D3-20200916DL

Tot Ion:130 Resp: 125787

Ion Ratio Lower Upper

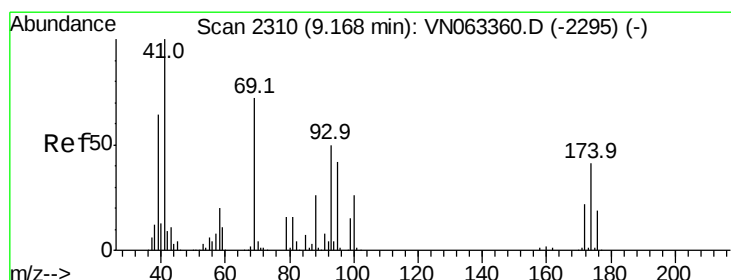
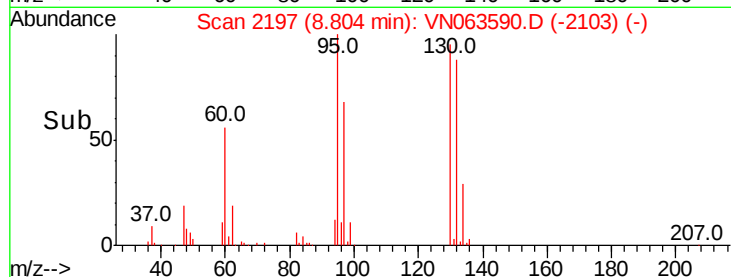
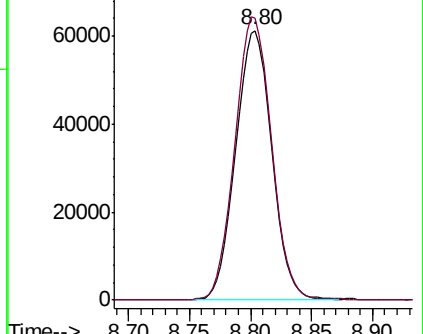
130 100

95 104.8 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO



#49

1,4-Dioxane

Concen: 0.590 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN063590.D

Acq: 23 Sep 2020 15:42

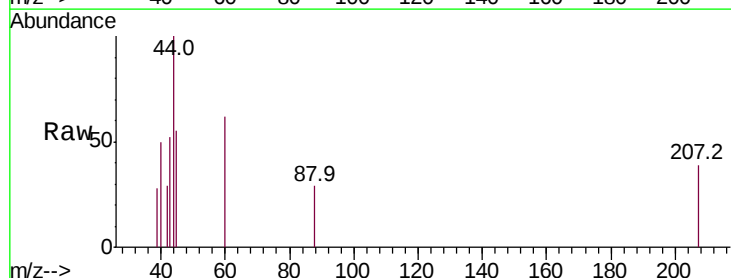
Tgt Ion: 88 Resp: 31

Ion Ratio Lower Upper

88 100

43 2025.8 32.6 49.0#

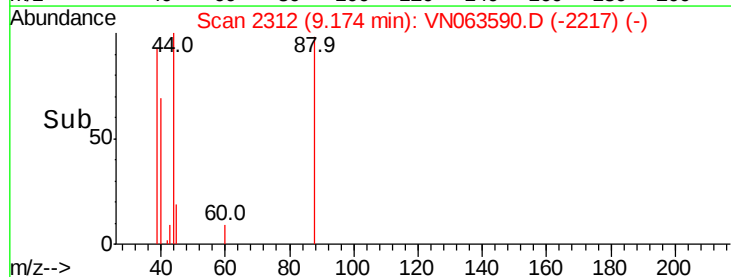
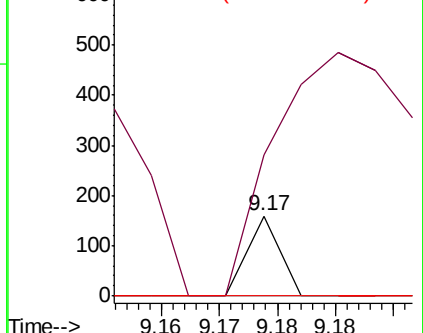
58 0.0 60.0 90.0#

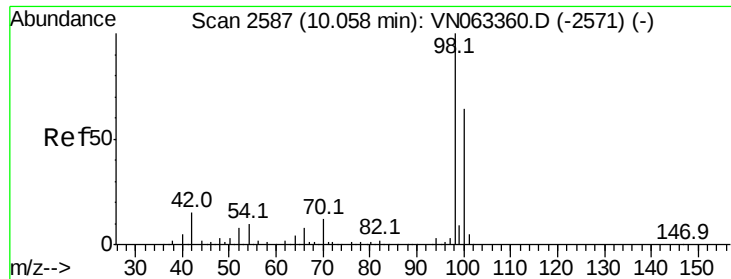


Abundance Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 49.655 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063590.D

Acq: 23 Sep 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

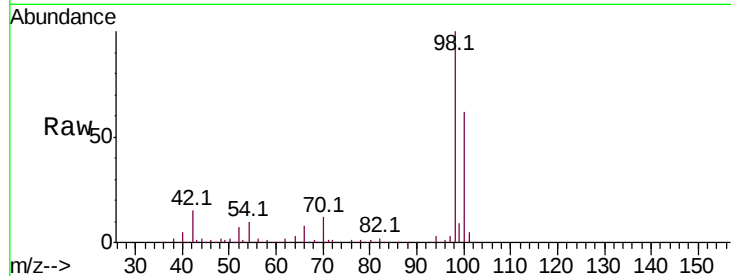
RE125D3-20200916DL

Tot Ion: 98 Resp: 515026

Ion Ratio Lower Upper

98 100

100 62.5 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.06

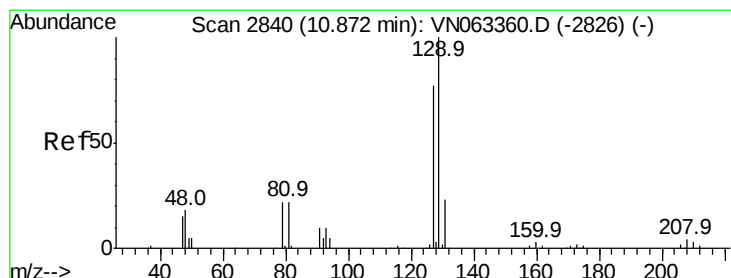
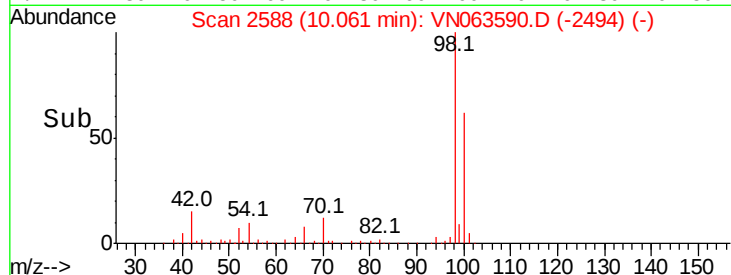
300000

200000

100000

0

Time-->



#60

Dibromochloromethane

Concen: 1.271 ug/l

RT: 10.61 min Scan# 2758

Delta R.T. -0.26 min

Lab File: VN063590.D

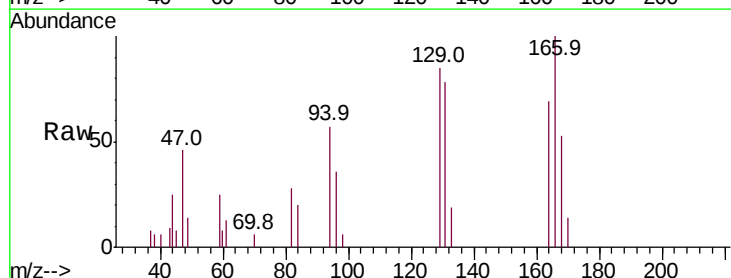
Acq: 23 Sep 2020 15:42

Tgt Ion: 129 Resp: 4155

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

10.61

2500

2000

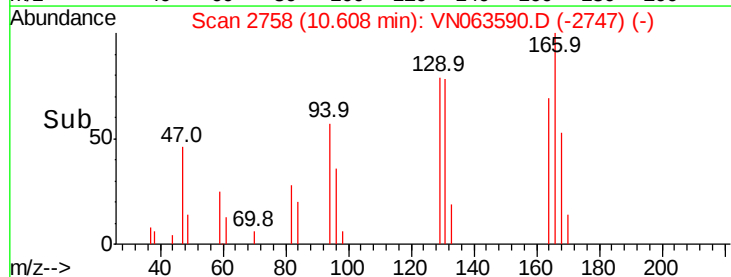
1500

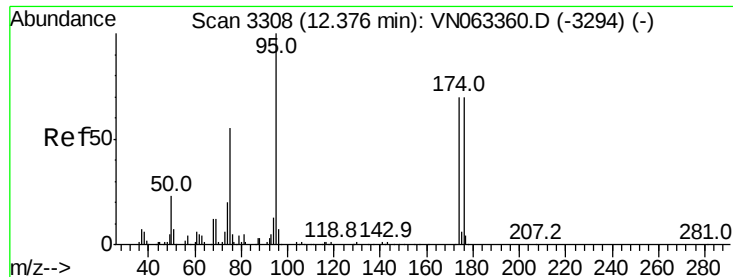
1000

500

0

Time-->

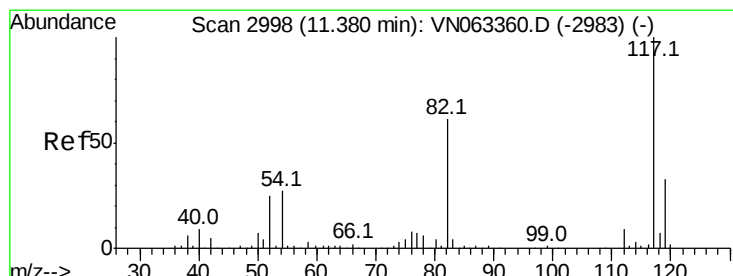
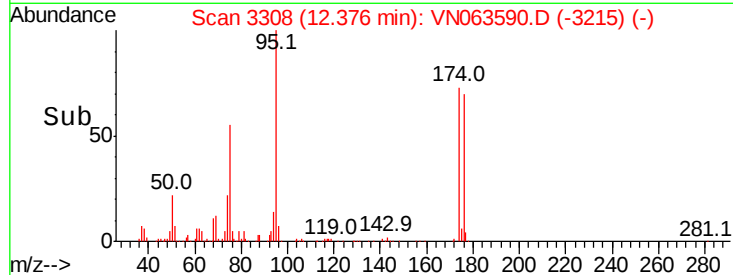
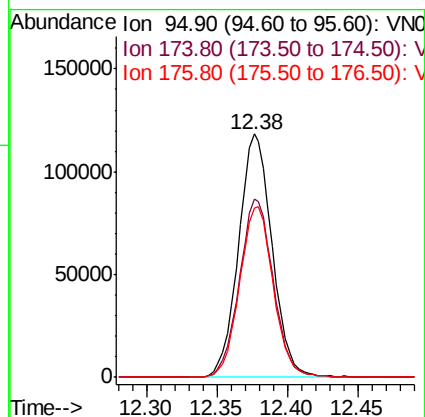
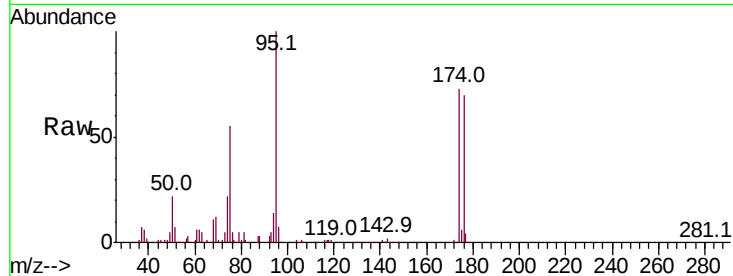




#62
4-Bromofluorobenzene
Concen: 51.883 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063590.D
Acq: 23 Sep 2020 15:42

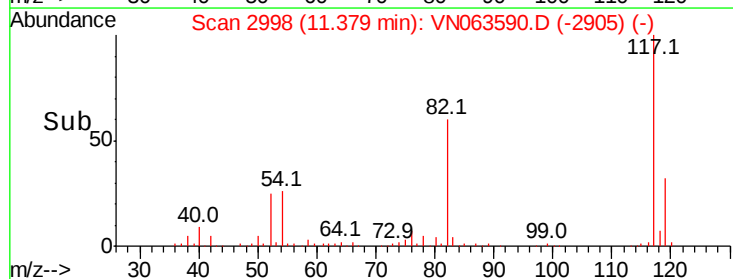
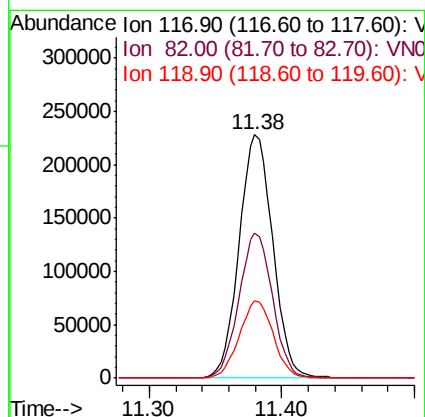
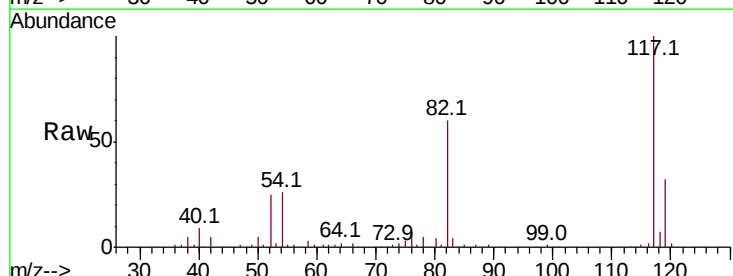
Instrument :
MSVOA_N
ClientSampleId :
RE125D3-20200916DL

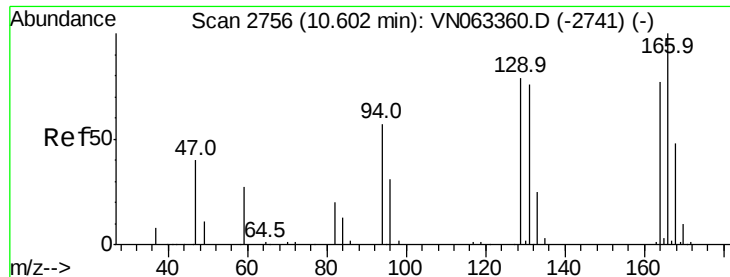
Tot Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	140.8
176	70.8	0.0	137.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063590.D
Acq: 23 Sep 2020 15:42

Tgt Ion	Ratio	Lower	Upper
117	100		
82	59.7	49.2	73.8
119	31.5	26.2	39.4





#64

Tetrachloroethene

Concen: 1.482 ug/l

RT: 10.60 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VN063590.D

Acq: 23 Sep 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

RE125D3-20200916DL

Tot Ion:164 Resp: 4065

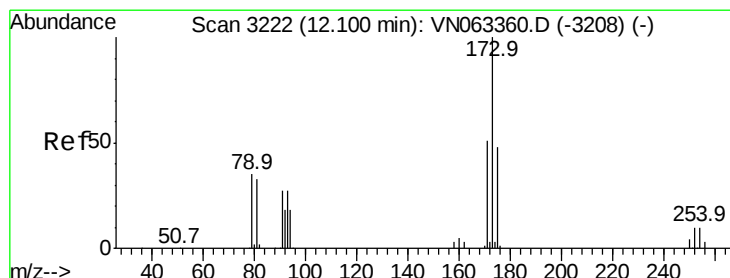
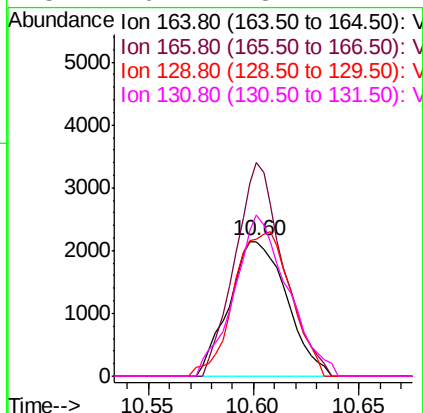
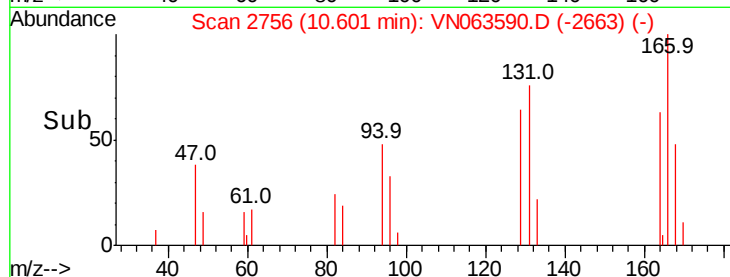
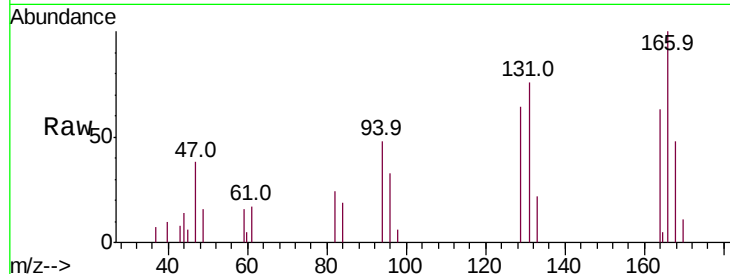
Ion Ratio Lower Upper

164 100

166 158.7 103.4 155.0#

129 102.1 81.8 122.6

131 120.2 78.2 117.4#



#71

Bromoform

Concen: 0.475 ug/l

RT: 12.37 min Scan# 3307

Delta R.T. 0.27 min

Lab File: VN063590.D

Acq: 23 Sep 2020 15:42

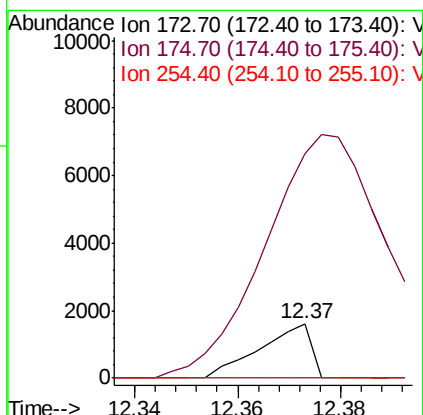
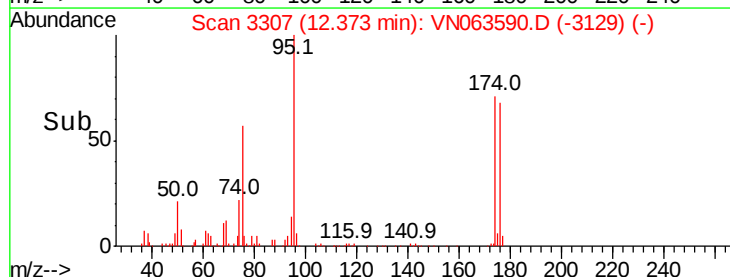
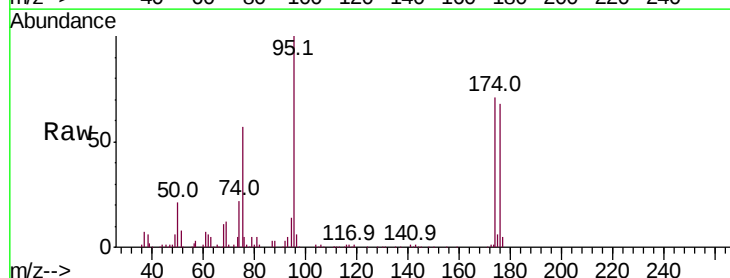
Tgt Ion:173 Resp: 1110

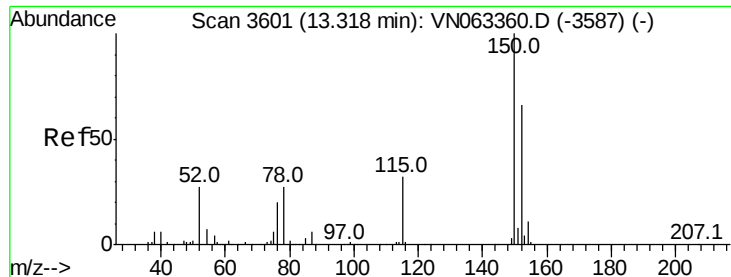
Ion Ratio Lower Upper

173 100

175 872.5 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: VN063590.D

Acq: 23 Sep 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

RE125D3-20200916DL

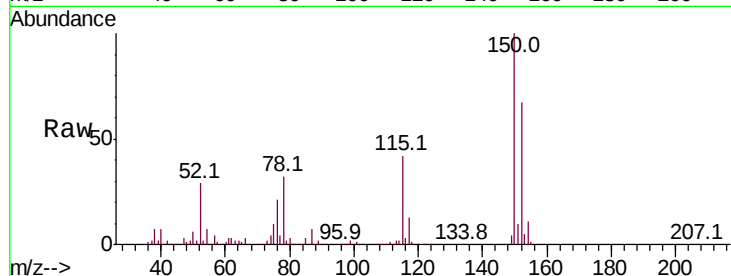
Tot Ion:152 Resp: 169177

Ion Ratio Lower Upper

152 100

115 63.7 32.2 96.6

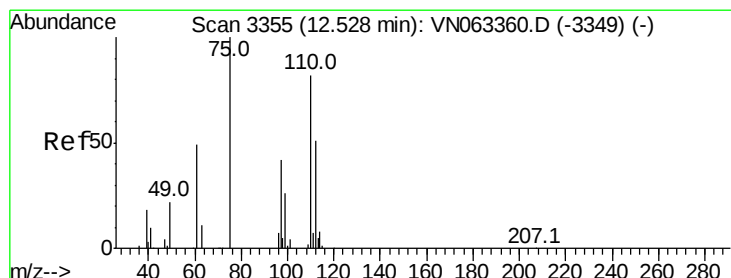
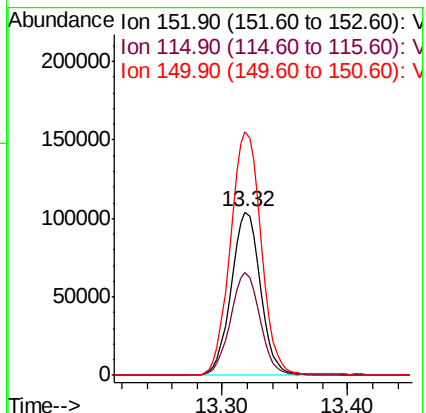
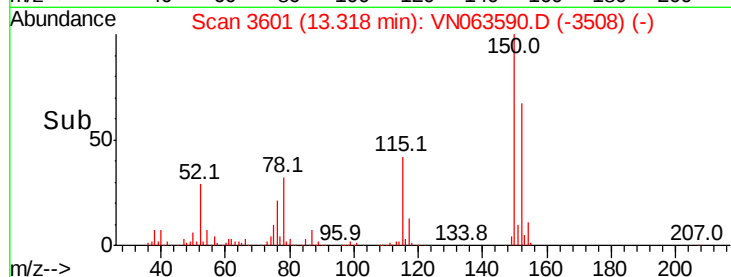
150 157.0 0.0 343.4



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: 26.717 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063590.D

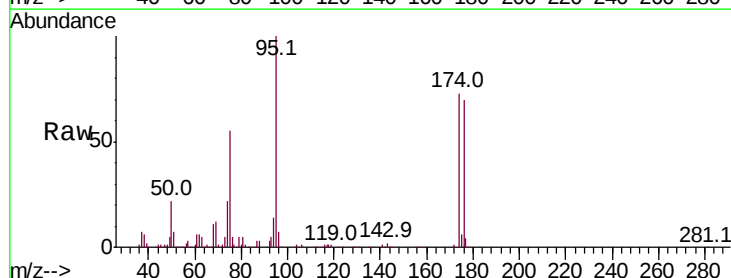
Acq: 23 Sep 2020 15:42

Tgt Ion: 75 Resp: 111873

Ion Ratio Lower Upper

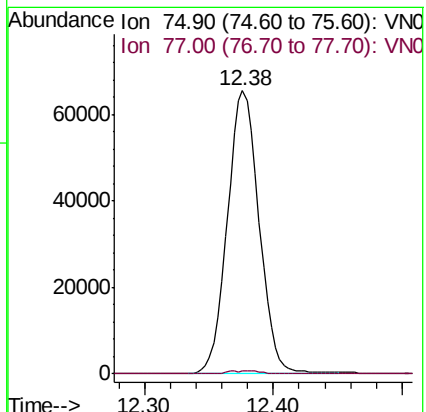
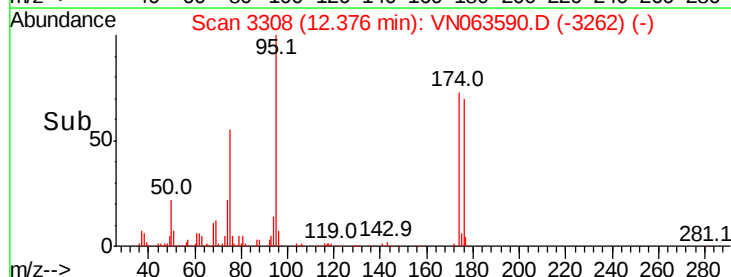
75 100

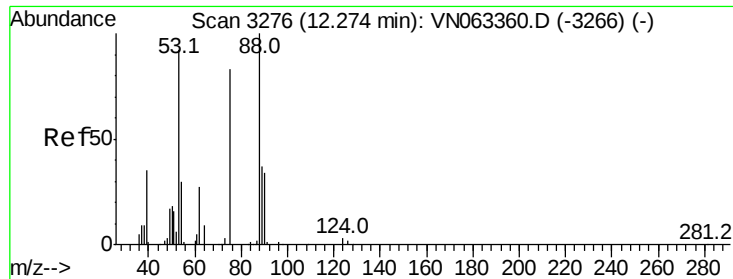
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 73.247 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063590.D

Acq: 23 Sep 2020 15:42

Instrument :

MSVOA_N

ClientSampleId :

RE125D3-20200916DL

Tot Ion: 75 Resp: 111873

Ion Ratio Lower Upper

75 100

53 0.1 85.7 128.5#

89 0.0 38.0 57.0#

