

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092220\
 Data File : VN063545.D
 Acq On : 22 Sep 2020 20:07
 Operator : JC/MD
 Sample : L4082-07DL 40X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D2-20200915DL

Quant Time: Sep 23 04:03:07 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	219975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	409128	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	406279	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	166975	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	181448	48.46	ug/l	0.00
Spiked Amount			Recovery	=	96.92%	
35) Dibromofluoromethane	7.55	113	129940	45.88	ug/l	0.00
Spiked Amount			Recovery	=	91.76%	
50) Toluene-d8	10.06	98	519475	48.78	ug/l	0.00
Spiked Amount			Recovery	=	97.56%	
62) 4-Bromofluorobenzene	12.38	95	201104	51.51	ug/l	0.00
Spiked Amount			Recovery	=	103.02%	

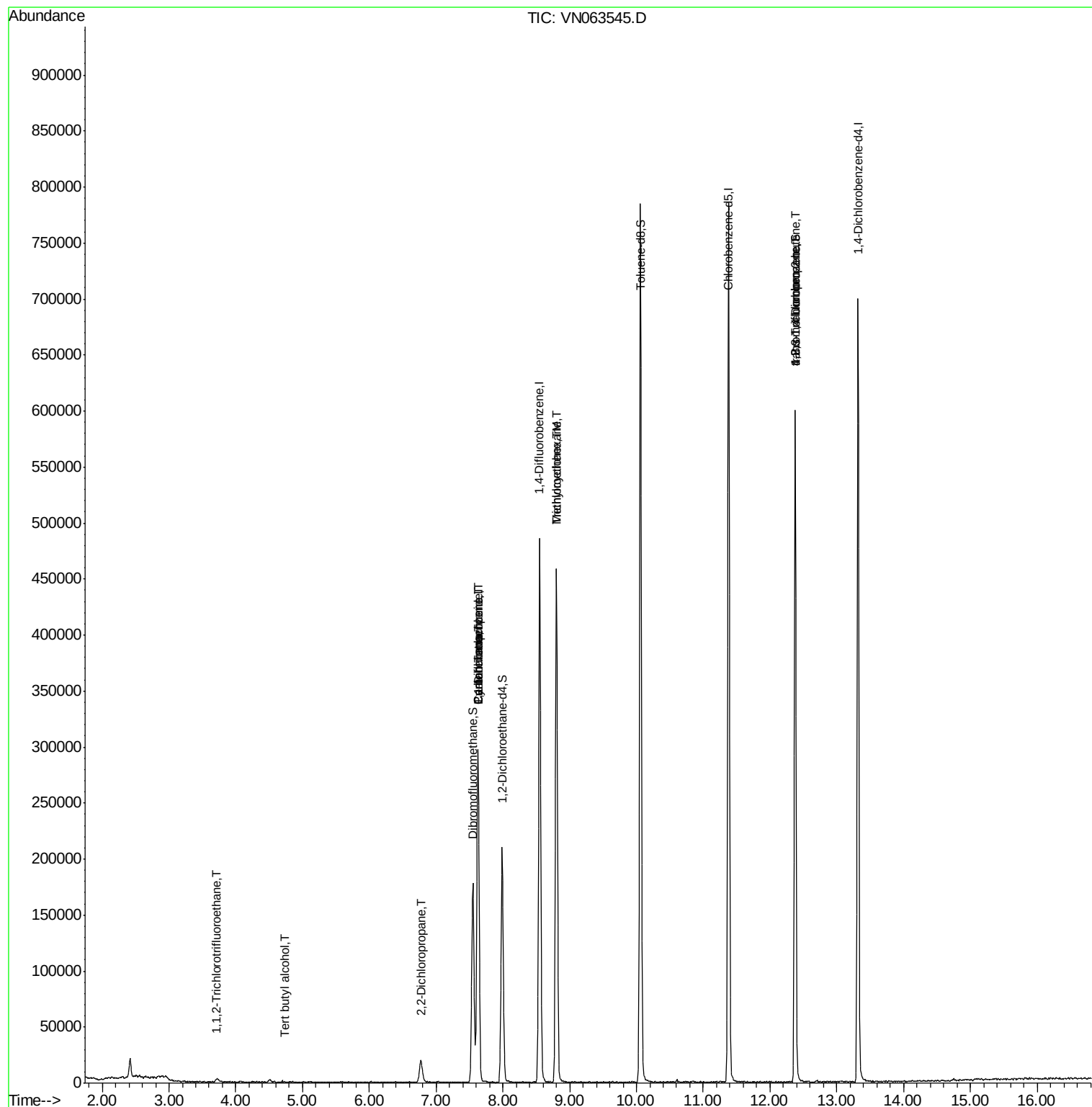
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	3.72	101	1645	0.671	ug/l #	75
11) Tert butyl alcohol	4.72	59	208	0.401	ug/l #	72
26) 2,2-Dichloropropane	6.77	77	988	0.205	ug/l #	55
31) Cyclohexane	7.63	56	6033	1.167	ug/l #	30
36) 1,1-Dichloropropene	7.63	75	20067	4.604	ug/l #	51
38) Carbon Tetrachloride	7.63	117	24889	5.594	ug/l #	16
39) Methylcyclohexane	8.80	83	2332	0.493	ug/l #	1
44) Trichloroethene	8.80	130	150655	49.921	ug/l	97
76) 1,2,3-Trichloropropane	12.38	75	115715	27.999	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	115715	76.762	ug/l #	7

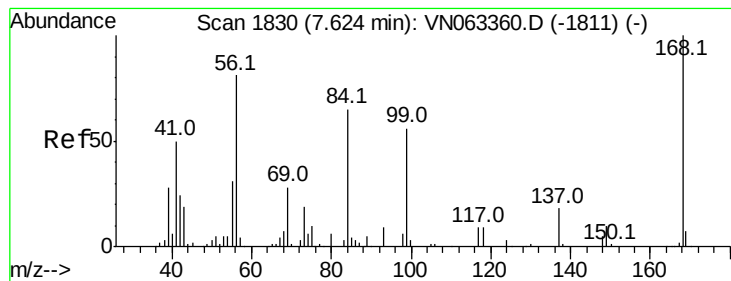
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063545.D

Acq: 22 Sep 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

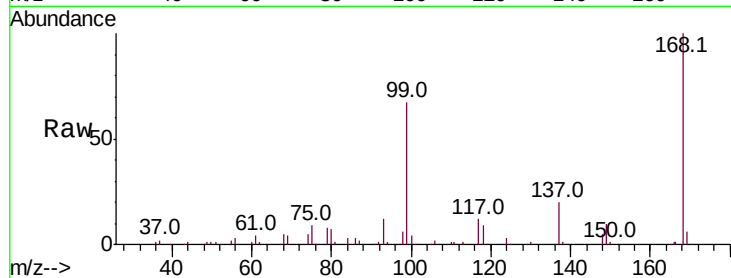
RE105D2-20200915DL

Tot Ion:168 Resp: 219975

Ion Ratio Lower Upper

168 100

99 66.8 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

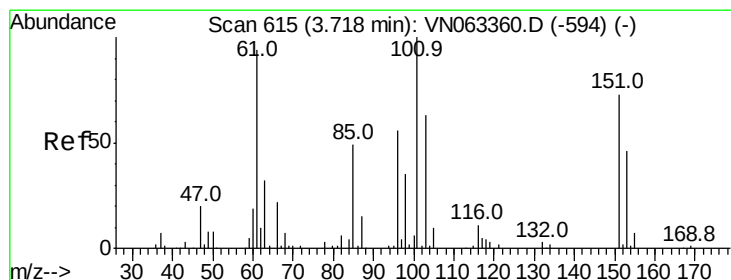
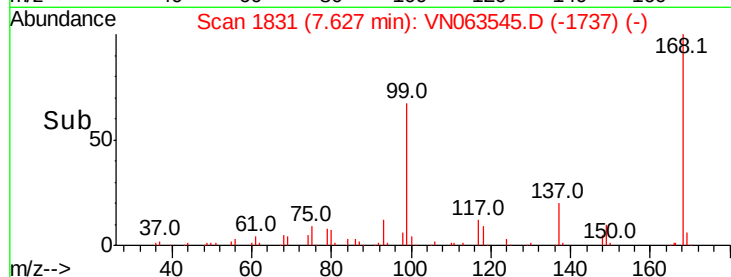
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.671 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN063545.D

Acq: 22 Sep 2020 20:07

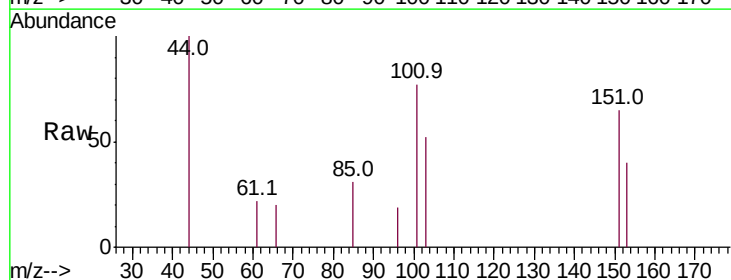
Tgt Ion:101 Resp: 1645

Ion Ratio Lower Upper

101 100

85 28.2 37.7 56.5#

151 52.8 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

800

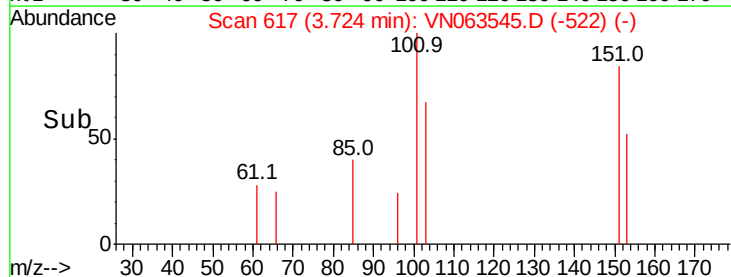
600

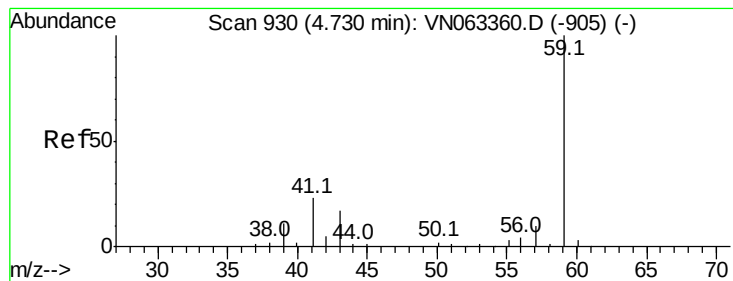
400

200

0

Time--> 3.65 3.70 3.75





#11

Tert butyl alcohol

Concen: 0.401 ug/l

RT: 4.72 min Scan# 928

Delta R.T. -0.01 min

Lab File: VN063545.D

Acq: 22 Sep 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

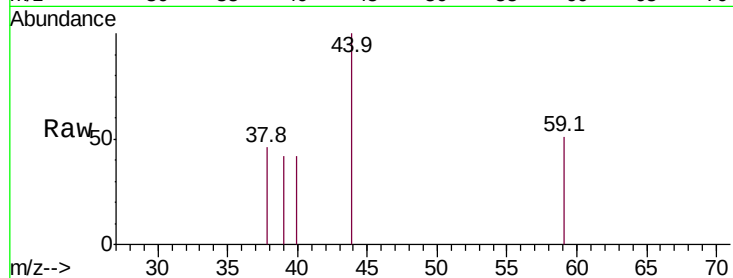
RE105D2-20200915DL

Tot Ion: 59 Resp: 208

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0

4.72

250

200

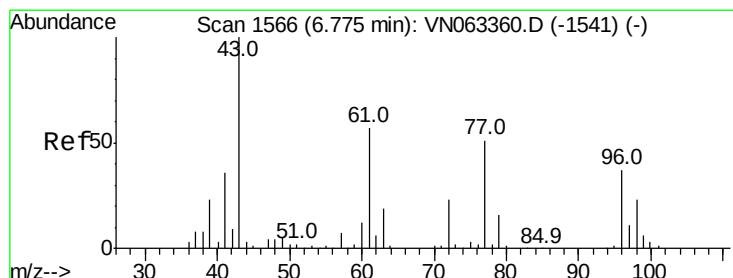
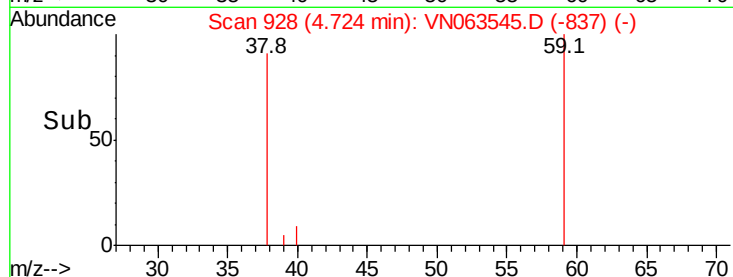
150

100

50

0

Time-->



#26

2,2-Dichloropropane

Concen: 0.205 ug/l

RT: 6.77 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN063545.D

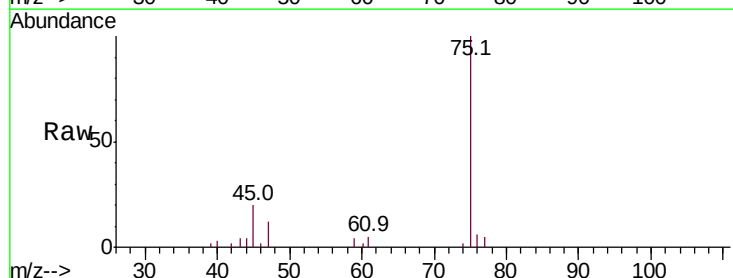
Acq: 22 Sep 2020 20:07

Tgt Ion: 77 Resp: 988

Ion Ratio Lower Upper

77 100

97 0.0 10.5 31.6#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.77

500

400

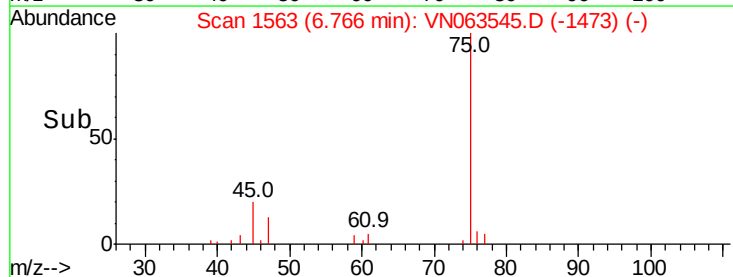
300

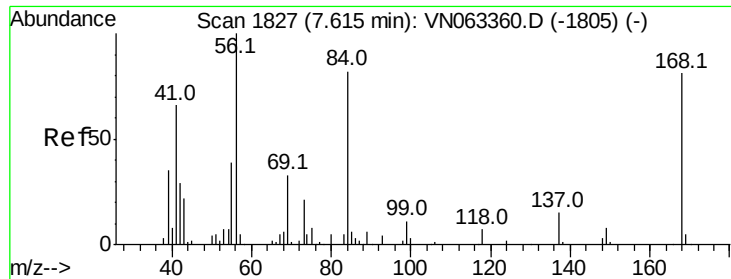
200

100

0

Time-->

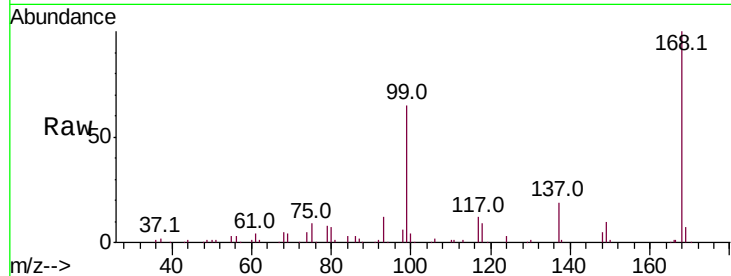




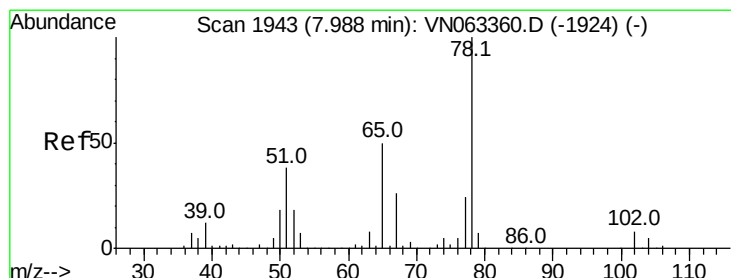
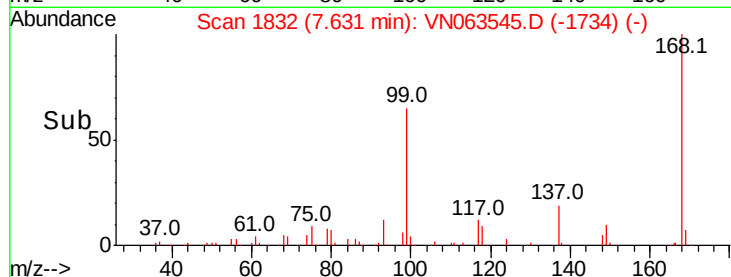
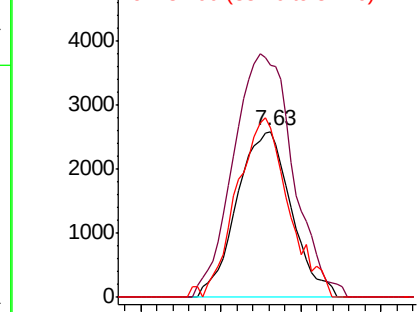
#31
Cyclohexane
Concen: 1.167 ug/l
RT: 7.63 min Scan# 1832
Delta R.T. 0.02 min
Lab File: VN063545.D
Acq: 22 Sep 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20200915DL

Tot Ion: 56 Resp: 6033
Ion Ratio Lower Upper
56 100
69 139.8 26.1 39.1#
84 101.8 65.4 98.2#

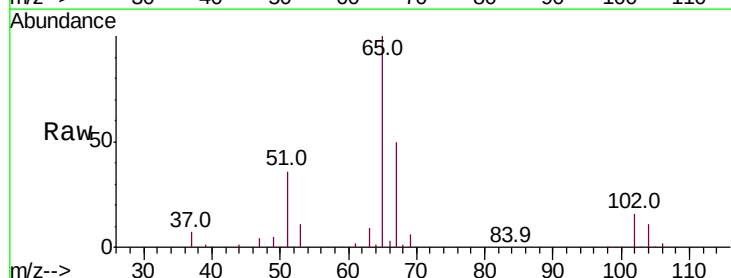


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

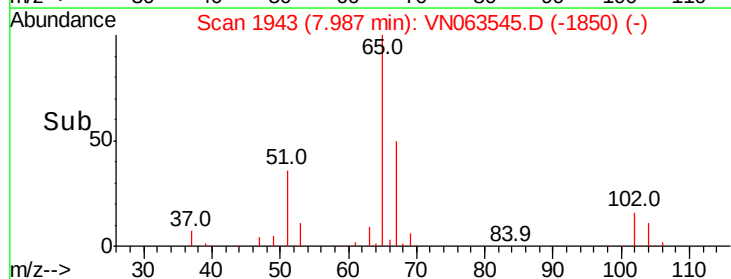
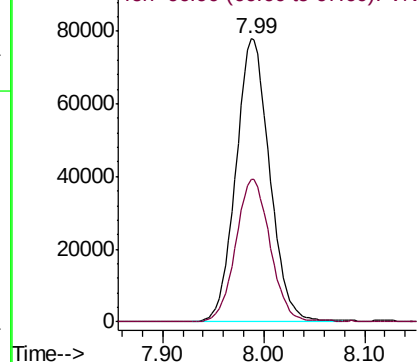


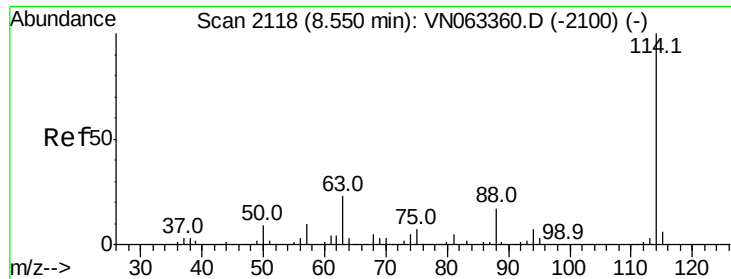
#33
1,2-Dichloroethane-d4
Concen: 48.456 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063545.D
Acq: 22 Sep 2020 20:07

Tgt Ion: 65 Resp: 181448
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.2



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

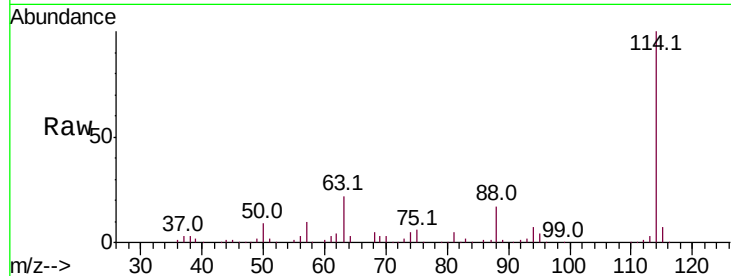




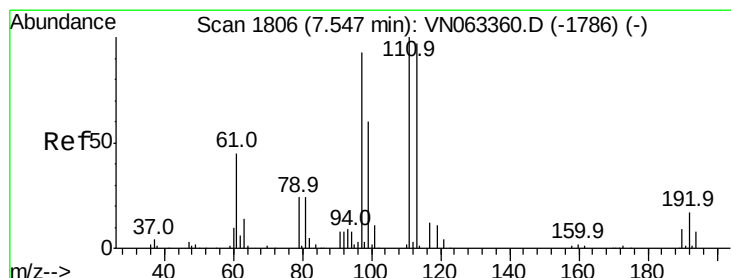
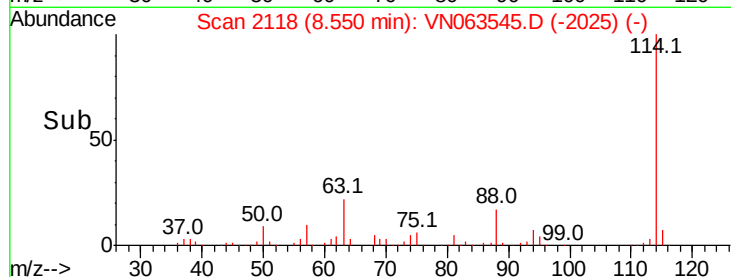
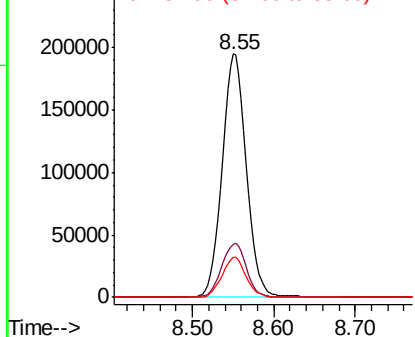
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063545.D
 Acq: 22 Sep 2020 20:07

Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D2-20200915DL

Tot Ion:	114	Resp:	409128
Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	46.4
88	16.7	0.0	33.2

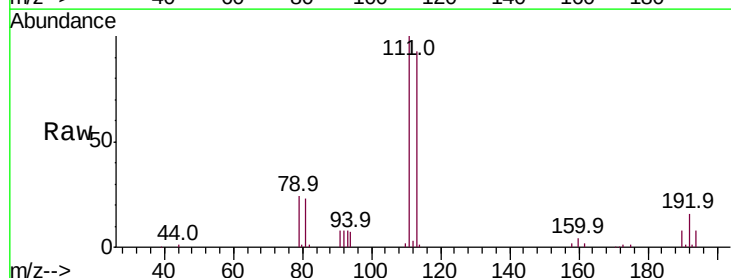


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

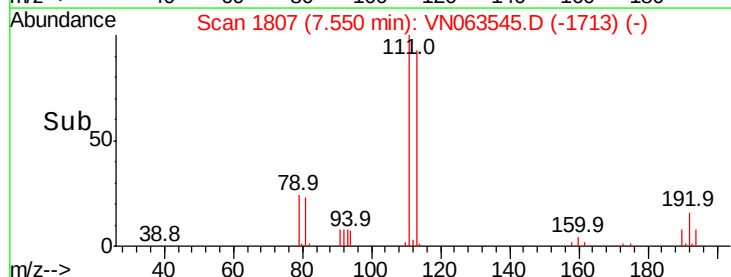
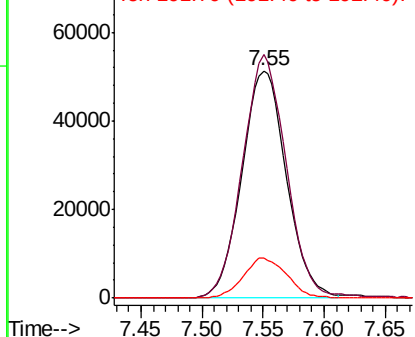


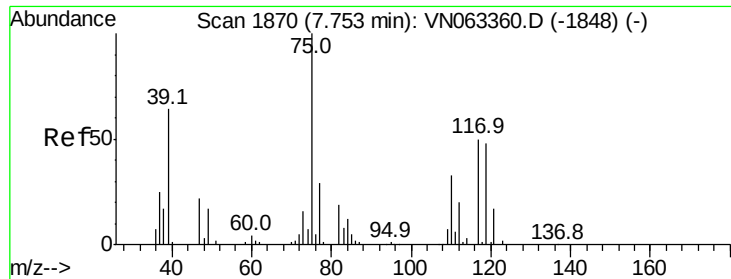
#35
 Dibromofluoromethane
 Concen: 45.878 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063545.D
 Acq: 22 Sep 2020 20:07

Tgt Ion:	113	Resp:	129940
Ion	Ratio	Lower	Upper
113	100		
111	105.6	82.9	124.3
192	17.3	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: 4.604 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.13 min

Lab File: VN063545.D

Acq: 22 Sep 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

RE105D2-20200915DL

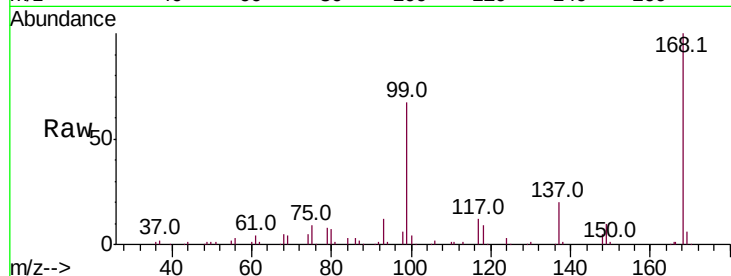
Tot Ion: 75 Resp: 20067

Ion Ratio Lower Upper

75 100

110 9.1 16.5 49.5#

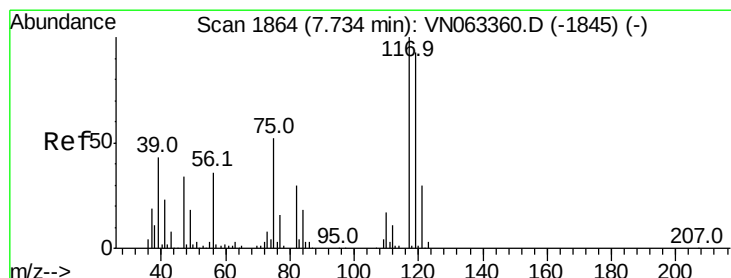
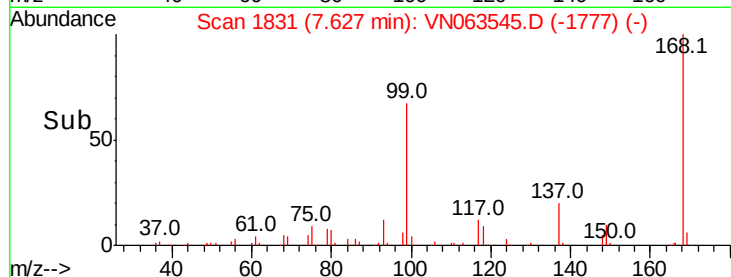
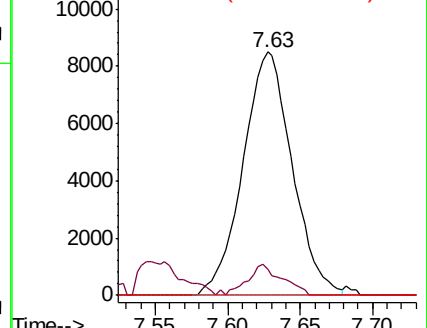
77 0.0 24.6 36.8#



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: 5.594 ug/l

RT: 7.63 min Scan# 1832

Delta R.T. -0.10 min

Lab File: VN063545.D

Acq: 22 Sep 2020 20:07

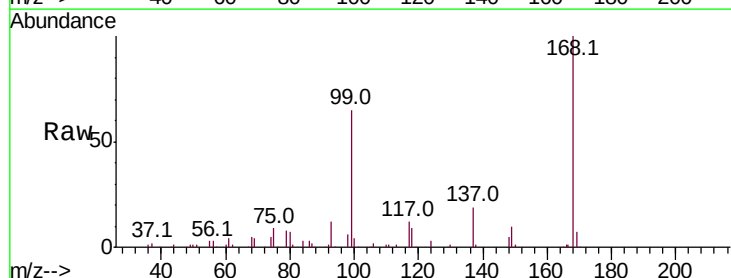
Tgt Ion: 117 Resp: 24889

Ion Ratio Lower Upper

117 100

119 3.6 74.5 111.7#

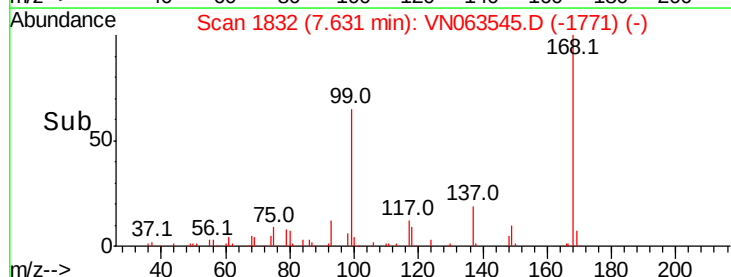
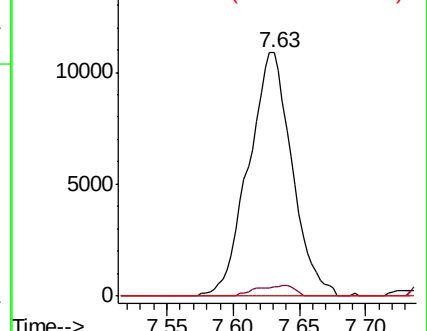
121 0.0 24.1 36.1#

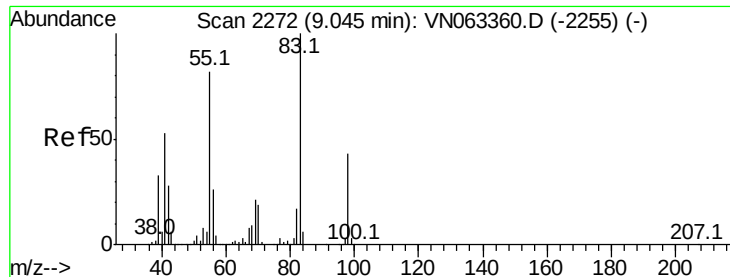


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#39

Methylcyclohexane

Concen: 0.493 ug/l

RT: 8.80 min Scan# 2195

Delta R.T. -0.25 min

Lab File: VN063545.D

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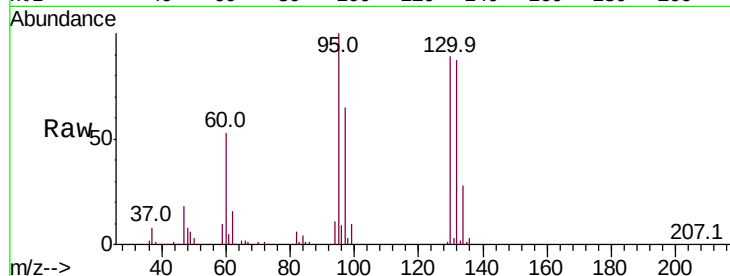
Tot Ion: 83 Resp: 2332

Ion Ratio Lower Upper

83 100

55 0.0 65.5 98.3#

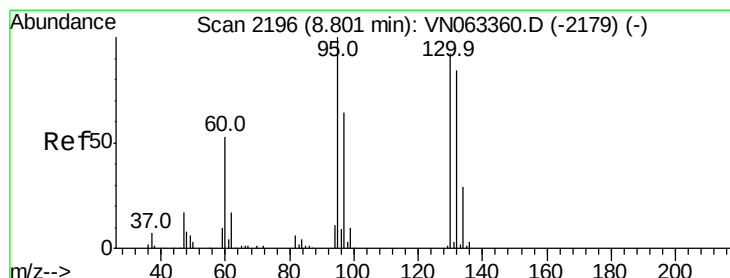
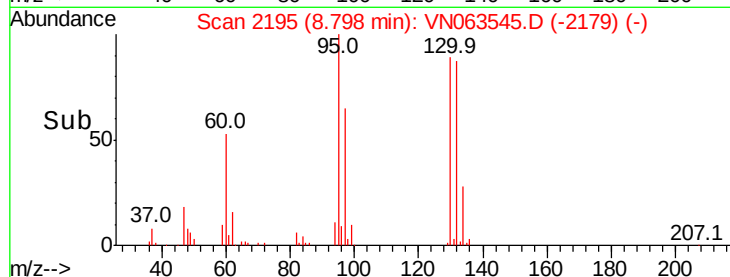
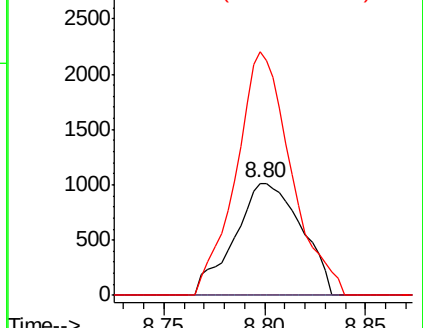
98 217.8 34.2 51.4#



Abundance Ion 83.00 (82.70 to 83.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#44

Trichloroethene

Concen: 49.921 ug/l

RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063545.D

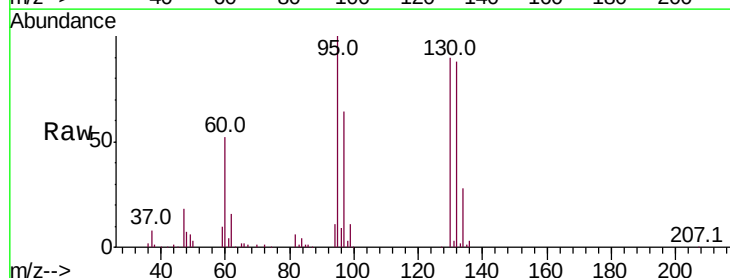
Acq: 22 Sep 2020 20:07

Tgt Ion: 130 Resp: 150655

Ion Ratio Lower Upper

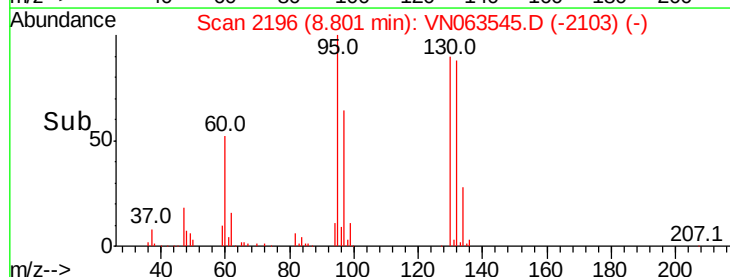
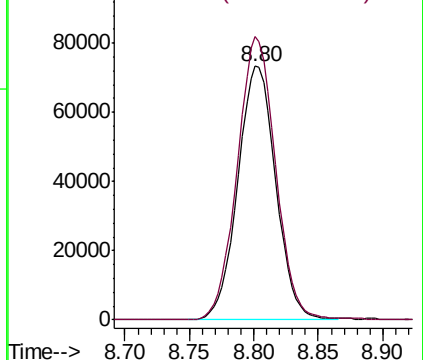
130 100

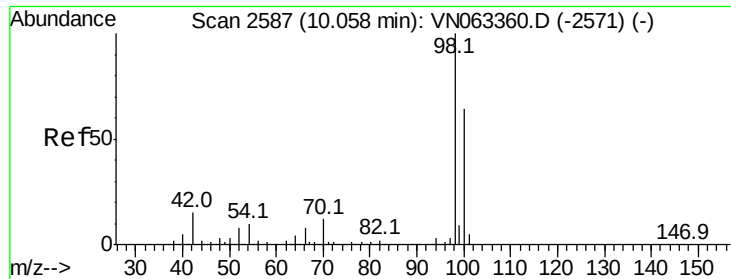
95 111.7 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

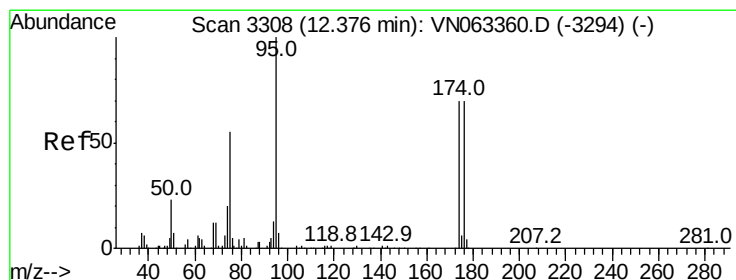
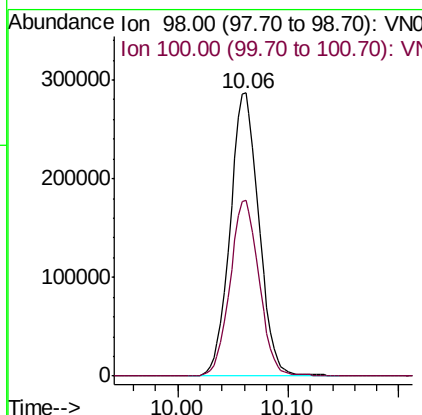
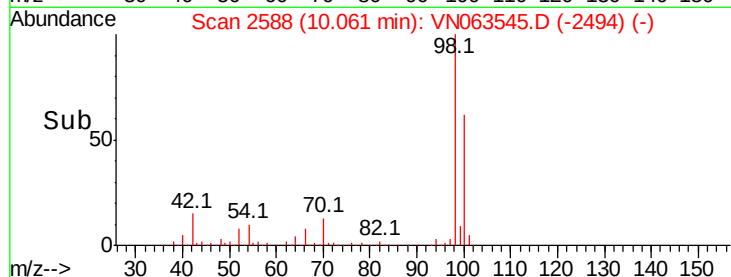
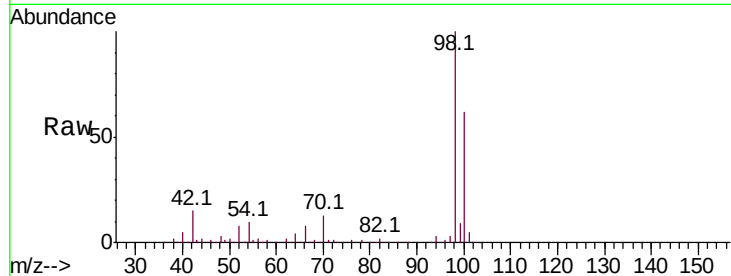




#50
Toluene-d8
Concen: 48.777 ug/l
RT: 10.06 min Scan# 2588
Delta R.T. 0.00 min
Lab File: VN063545.D
Acq: 22 Sep 2020 20:07

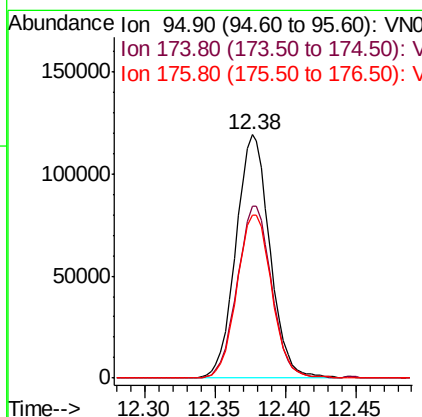
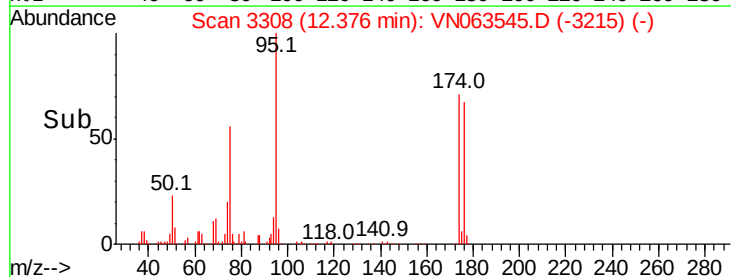
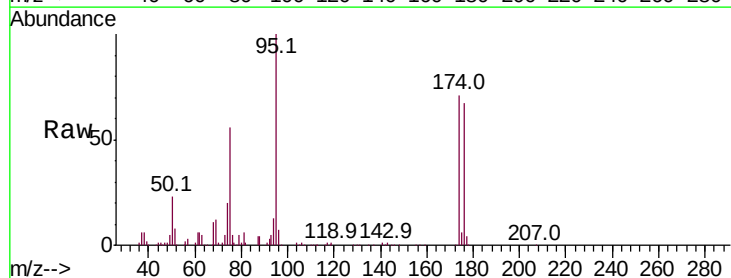
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20200915DL

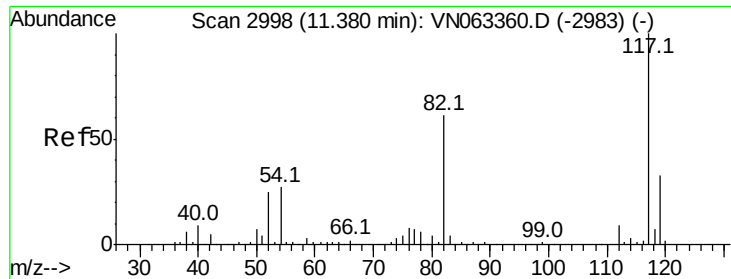
Tot Ion: 98 Resp: 519475
Ion Ratio Lower Upper
98 100
100 62.7 50.7 76.1



#62
4-Bromofluorobenzene
Concen: 51.511 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063545.D
Acq: 22 Sep 2020 20:07

Tgt Ion: 95 Resp: 201104
Ion Ratio Lower Upper
95 100
174 71.6 0.0 140.8
176 69.1 0.0 137.6

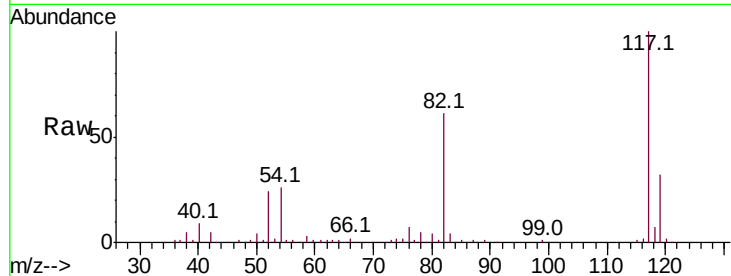




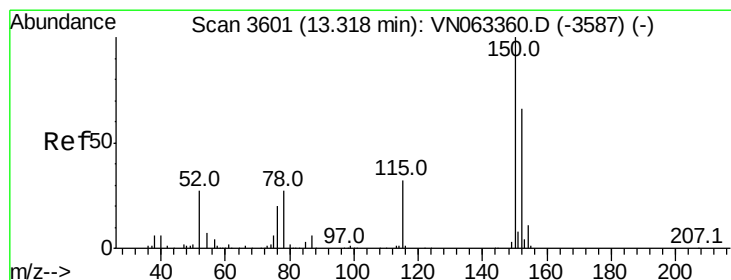
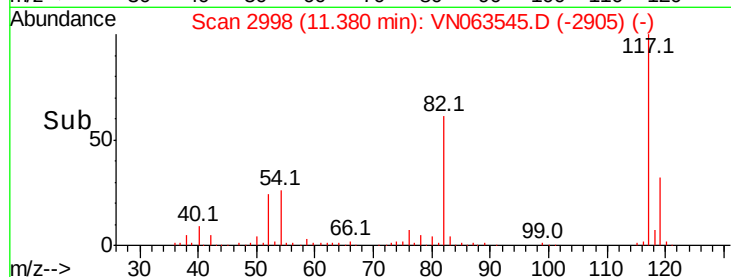
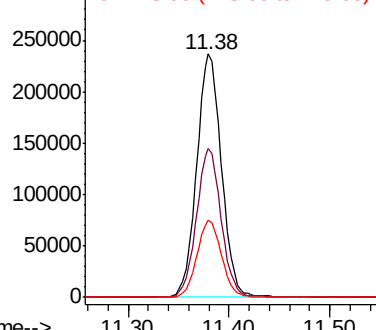
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063545.D
Acq: 22 Sep 2020 20:07

Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20200915DL

Tot Ion:117 Resp: 406279
Ion Ratio Lower Upper
117 100
82 61.0 49.2 73.8
119 31.5 26.2 39.4

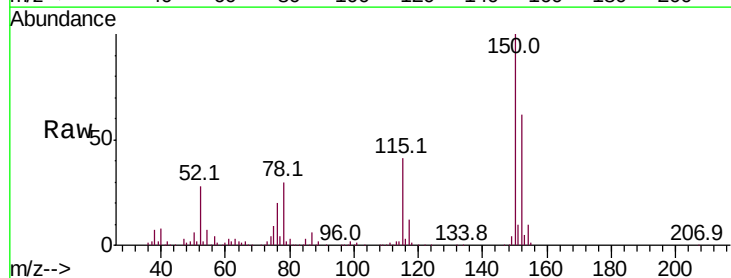


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

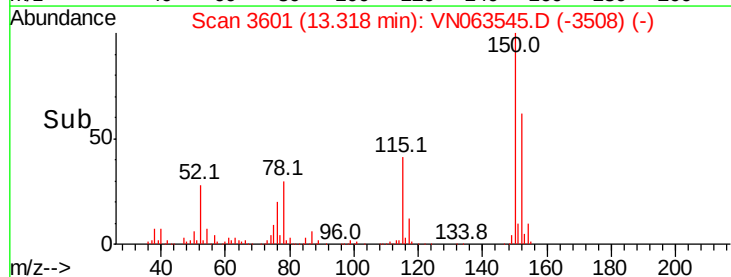
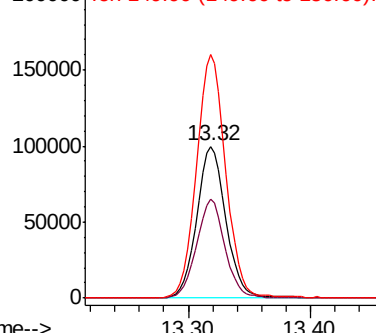


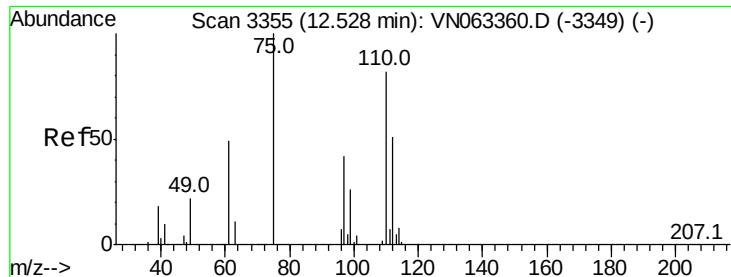
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063545.D
Acq: 22 Sep 2020 20:07

Tgt Ion:152 Resp: 166975
Ion Ratio Lower Upper
152 100
115 63.3 32.2 96.6
150 160.6 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: 27.999 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.15 min

Lab File: VN063545.D

Acq: 22 Sep 2020 20:07

Instrument :

MSVOA_N

ClientSampleId :

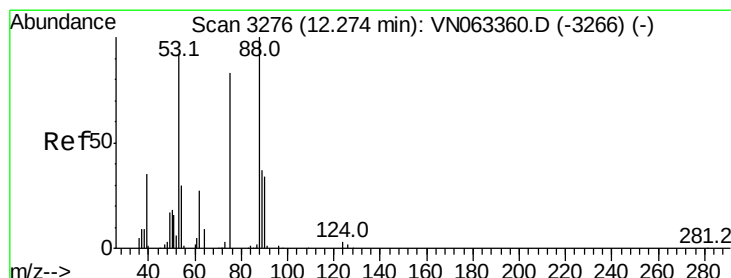
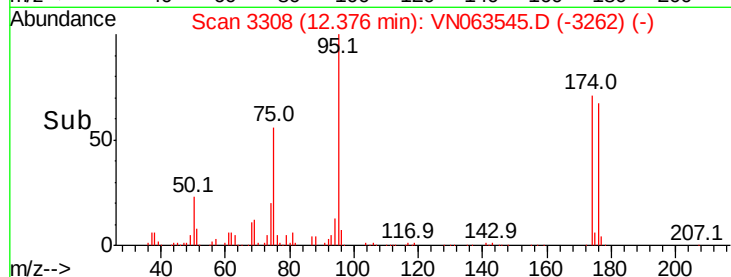
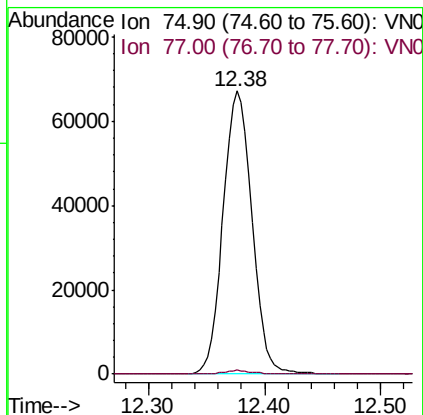
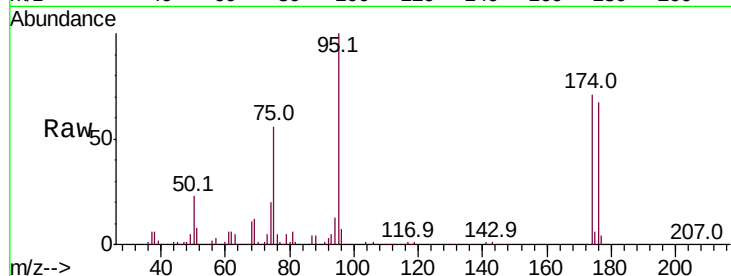
RE105D2-20200915DL

Tot Ion: 75 Resp: 115715

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 76.762 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. 0.10 min

Lab File: VN063545.D

Acq: 22 Sep 2020 20:07

Tgt Ion: 75 Resp: 115715

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

