

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092120\
 Data File : VN063512.D
 Acq On : 22 Sep 2020 2:53
 Operator : JC/MD
 Sample : L4082-07
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D2-20200915

Quant Time: Sep 22 05:49:44 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	224456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	420437	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	422990	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	182524	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	183195	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	
35) Dibromofluoromethane	7.55	113	135932	46.70	ug/l	0.00
Spiked Amount			Recovery	=	93.40%	
50) Toluene-d8	10.06	98	542161	49.54	ug/l	0.00
Spiked Amount			Recovery	=	99.08%	
62) 4-Bromofluorobenzene	12.38	95	215092	53.61	ug/l	0.00
Spiked Amount			Recovery	=	107.22%	

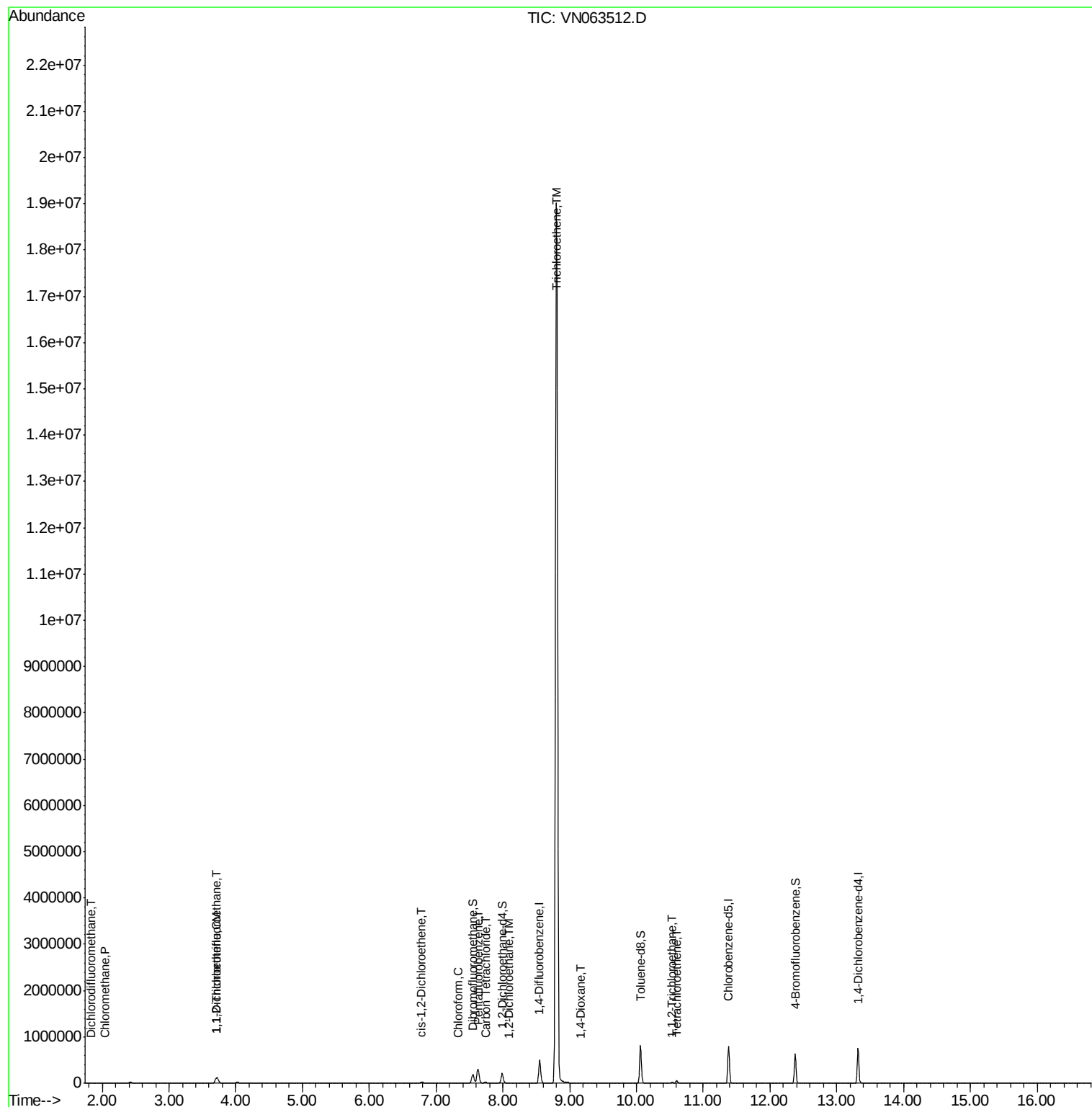
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	1220	0.480	ug/l	76
3) Chloromethane	2.04	50	1239	0.368	ug/l #	80
9) 1,1,2-Trichlorotrifluoroet	3.72	101	59783	23.906	ug/l	99
12) 1,1-Dichloroethene	3.70	96	23382	9.231	ug/l	91
27) cis-1,2-Dichloroethene	6.78	96	14485	4.560	ug/l	90
30) Chloroform	7.33	83	10475	1.872	ug/l #	79
38) Carbon Tetrachloride	7.73	117	13409	2.933	ug/l #	90
42) 1,2-Dichloroethane	8.09	62	1994	0.388	ug/l	92
44) Trichloroethene	8.80	130	6379977	2057.210	ug/l	96
49) 1,4-Dioxane	9.17	88	1324	23.889	ug/l #	73
55) 1,1,2-Trichloroethane	10.53	97	4433	1.452	ug/l	89
64) Tetrachloroethene	10.60	164	10967	3.808	ug/l	94

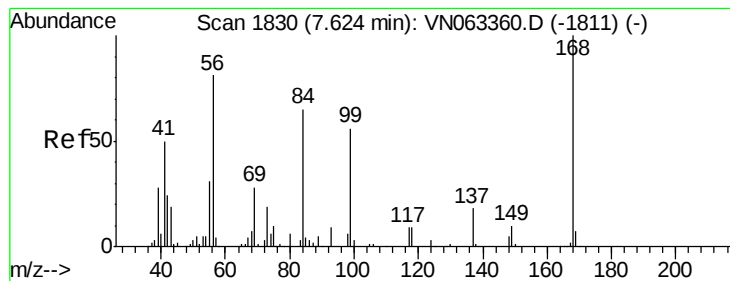
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN063512.D

Acq: 22 Sep 2020 2:53

Instrument :

MSVOA_N

ClientSampleId :

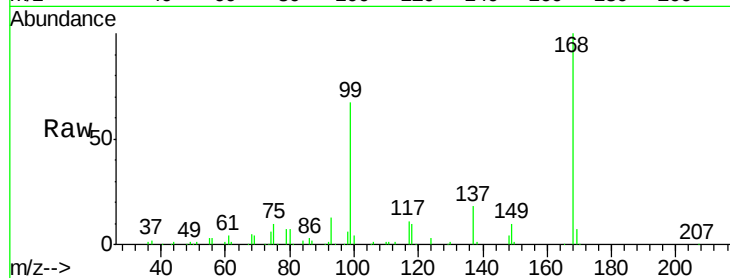
RE105D2-20200915

Tot Ion:168 Resp: 224456

Ion Ratio Lower Upper

168 100

99 66.7 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

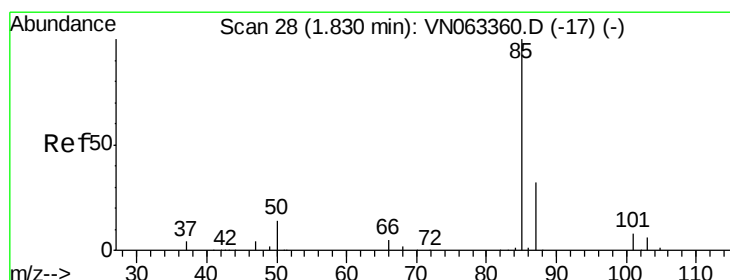
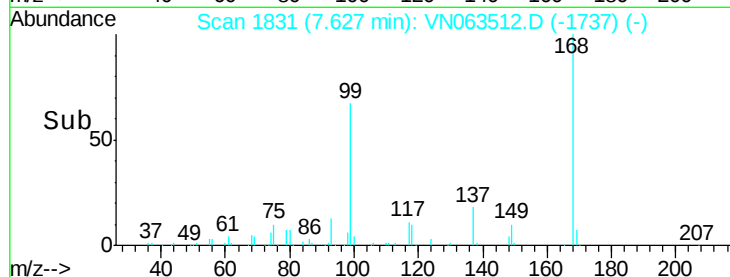
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 0.480 ug/l

RT: 1.83 min Scan# 29

Delta R.T. 0.00 min

Lab File: VN063512.D

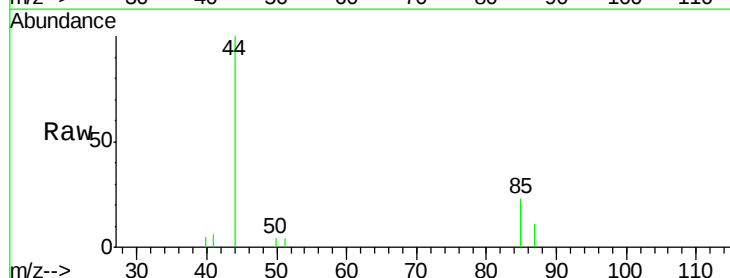
Acq: 22 Sep 2020 2:53

Tgt Ion: 85 Resp: 1220

Ion Ratio Lower Upper

85 100

87 44.9 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1000

800

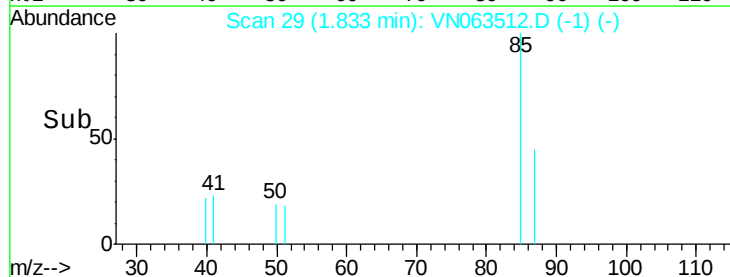
600

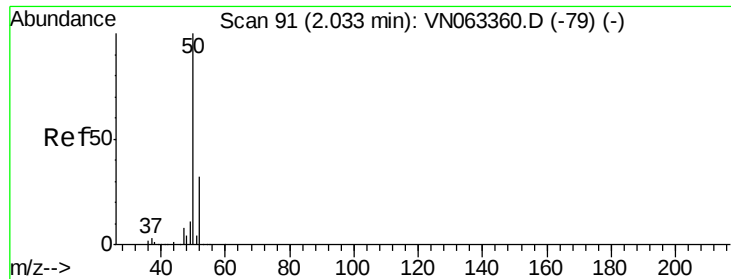
400

200

0

Time--> 1.80 1.85





#3

Chloromethane

Concen: 0.368 ug/l

RT: 2.04 min Scan# 94

Delta R.T. 0.01 min

Lab File: VN063512.D

Acq: 22 Sep 2020 2:53

Instrument :

MSVOA_N

ClientSampleId :

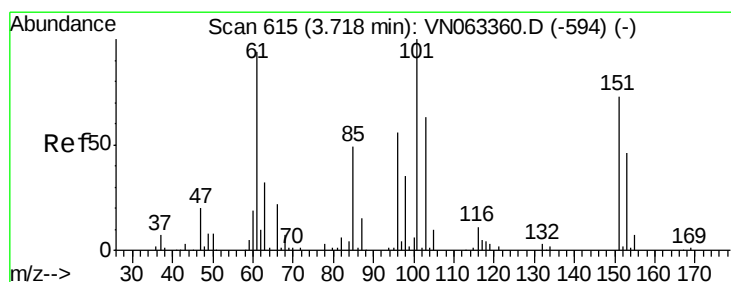
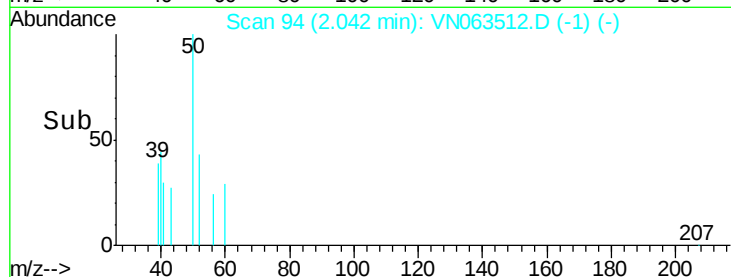
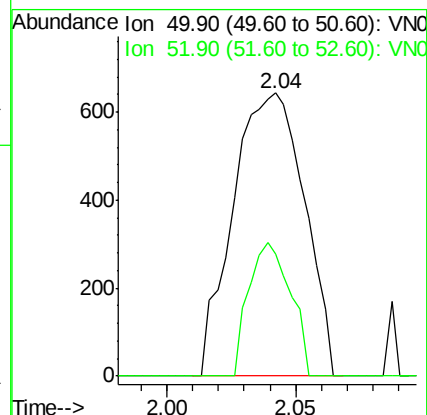
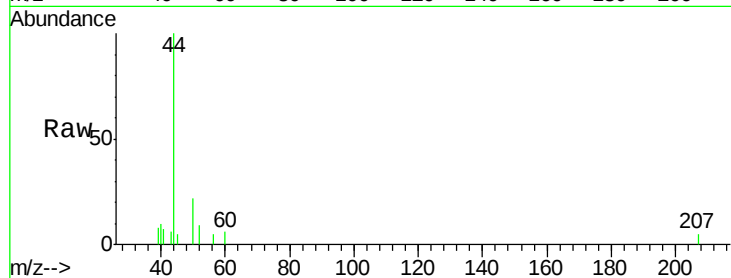
RE105D2-20200915

Tot Ion: 50 Resp: 1239

Ion Ratio Lower Upper

50 100

52 43.4 25.9 38.9#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.906 ug/l

RT: 3.72 min Scan# 617

Delta R.T. 0.01 min

Lab File: VN063512.D

Acq: 22 Sep 2020 2:53

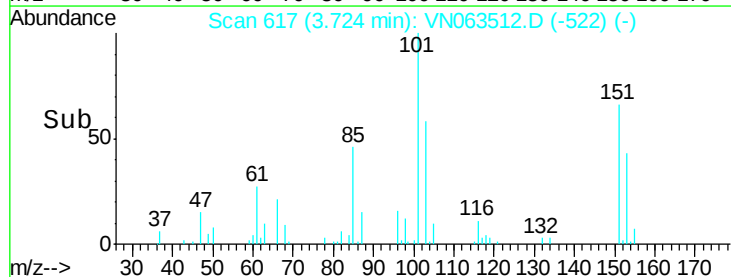
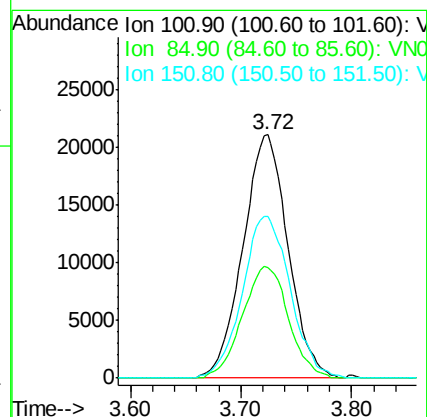
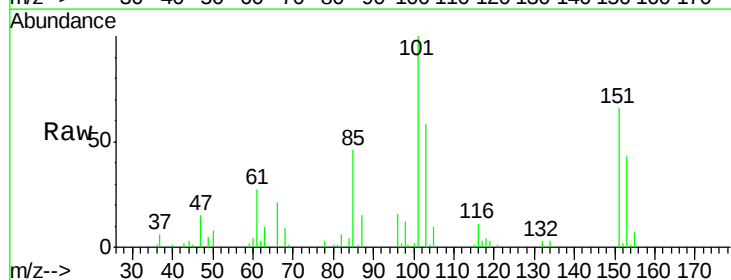
Tgt Ion: 101 Resp: 59783

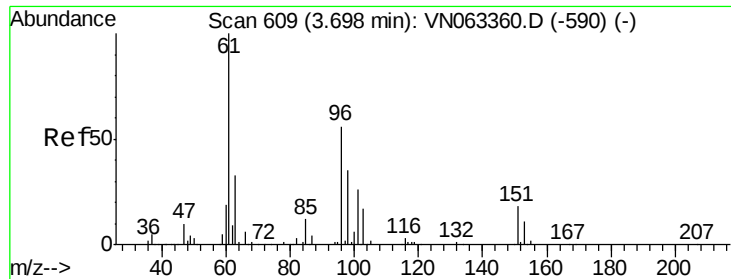
Ion Ratio Lower Upper

101 100

85 46.9 37.7 56.5

151 70.7 57.7 86.5

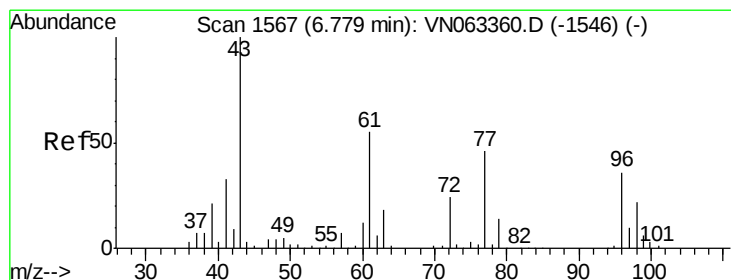
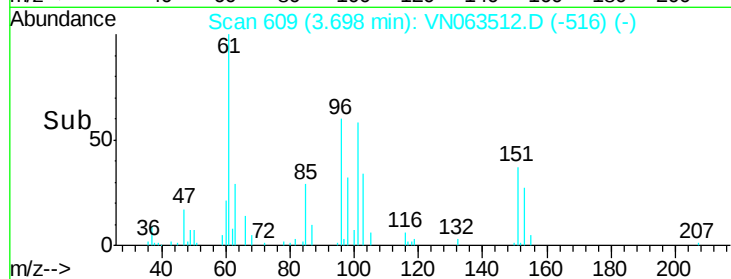
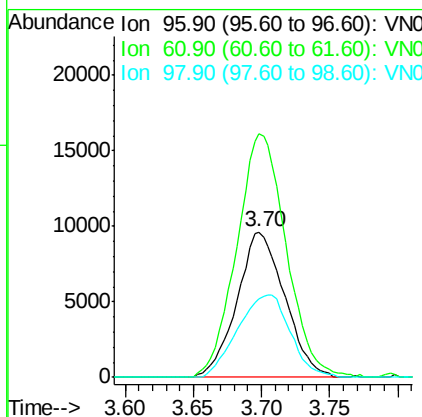
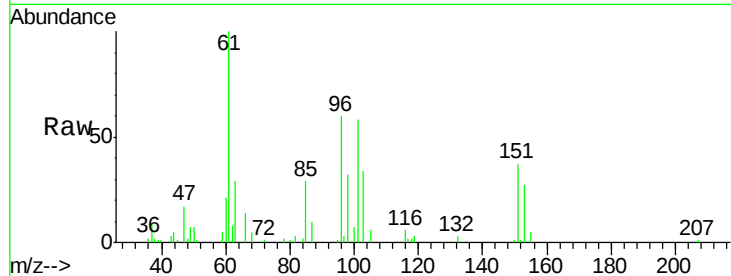




#12
 1,1-Dichloroethene
 Concen: 9.231 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. -0.00 min
 Lab File: VN063512.D
 Acq: 22 Sep 2020 2:53

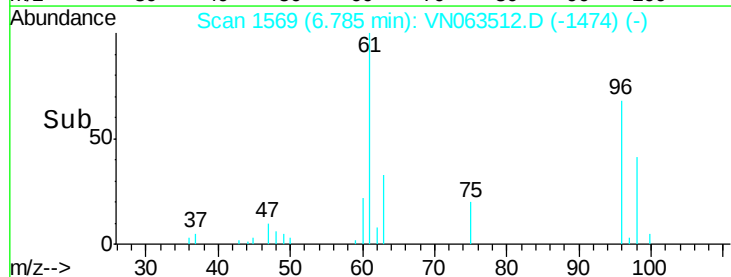
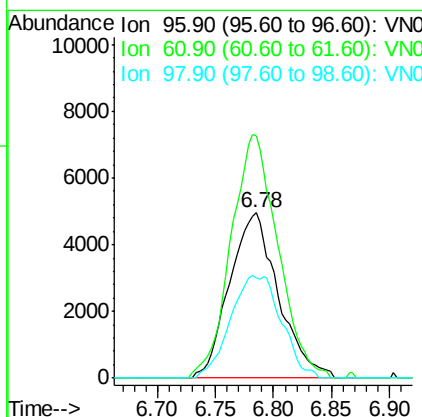
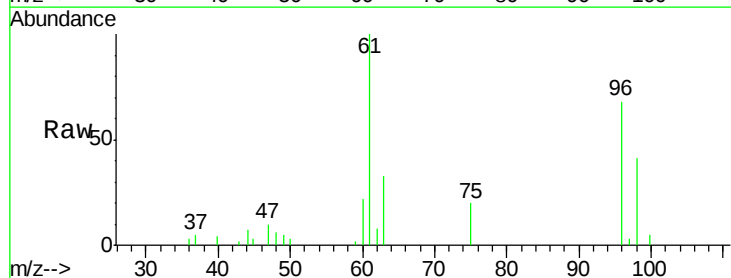
Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D2-20200915

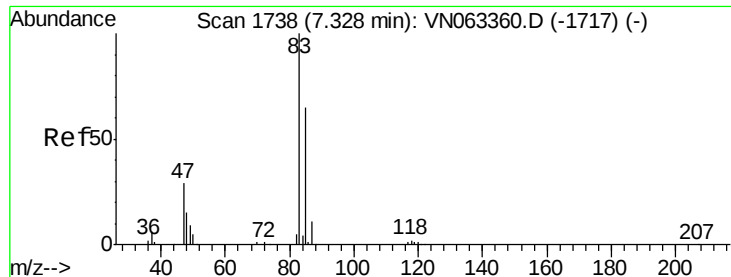
Tot Ion: 96 Resp: 23382
 Ion Ratio Lower Upper
 96 100
 61 167.7 143.4 215.2
 98 53.7 50.6 76.0



#27
 cis-1,2-Dichloroethene
 Concen: 4.560 ug/l
 RT: 6.78 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VN063512.D
 Acq: 22 Sep 2020 2:53

Tgt Ion: 96 Resp: 14485
 Ion Ratio Lower Upper
 96 100
 61 141.2 0.0 319.6
 98 64.2 0.0 127.8

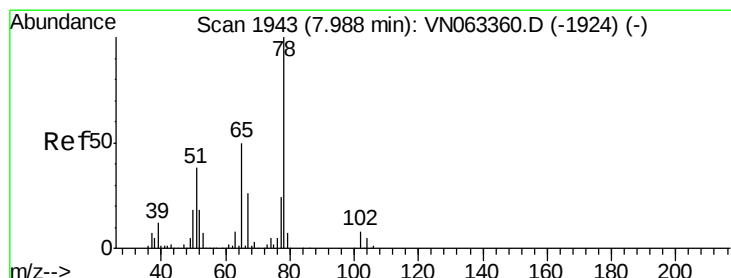
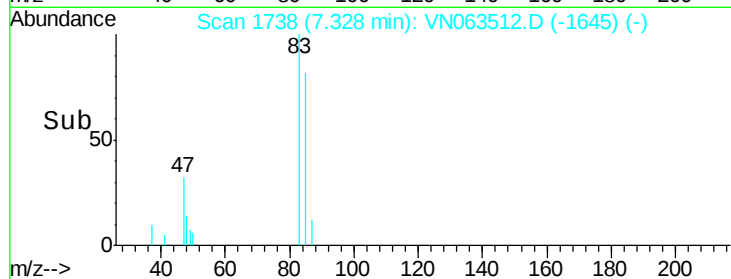
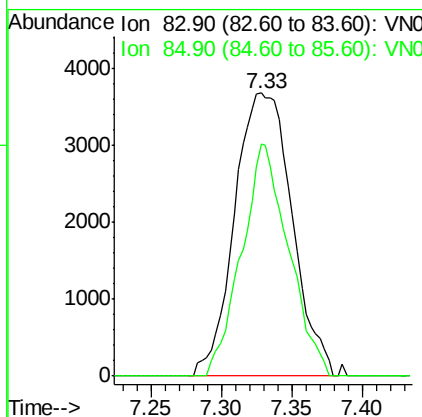
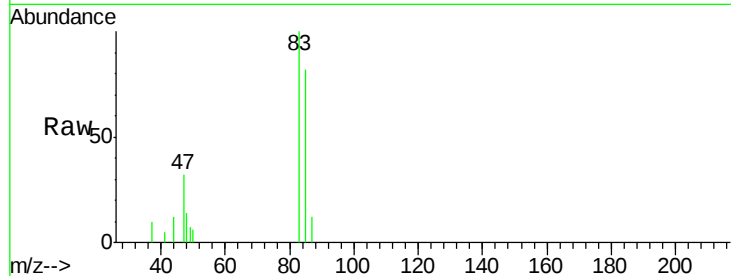




#30
Chloroform
Concen: 1.872 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN063512.D
Acq: 22 Sep 2020 2:53

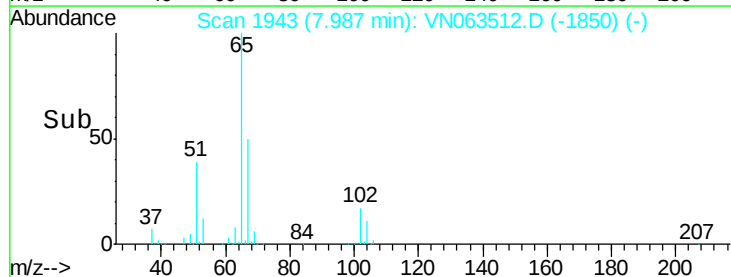
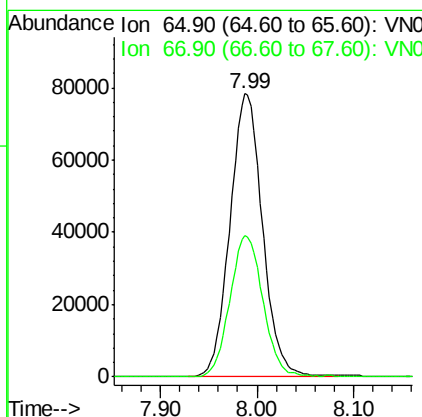
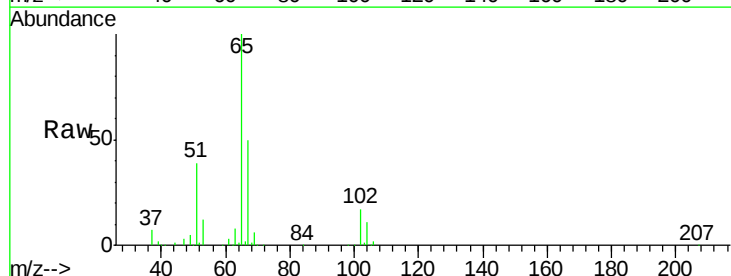
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20200915

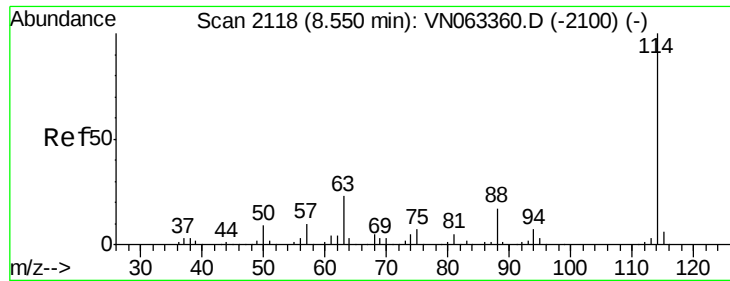
Tot Ion: 83 Resp: 10475
Ion Ratio Lower Upper
83 100
85 82.0 52.1 78.1#



#33
1,2-Dichloroethane-d4
Concen: 47.946 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063512.D
Acq: 22 Sep 2020 2:53

Tgt Ion: 65 Resp: 183195
Ion Ratio Lower Upper
65 100
67 50.5 0.0 104.2

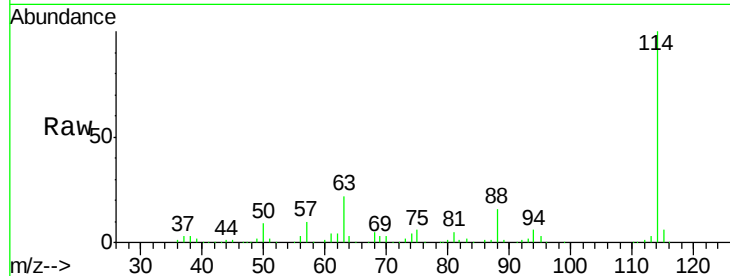




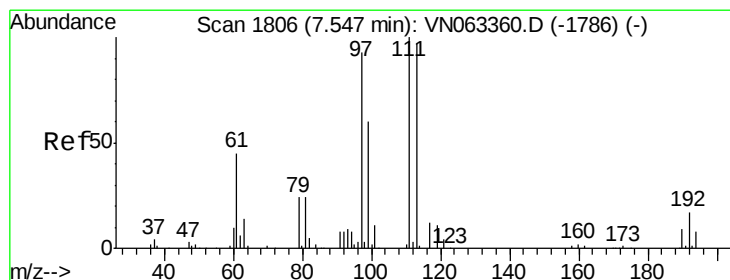
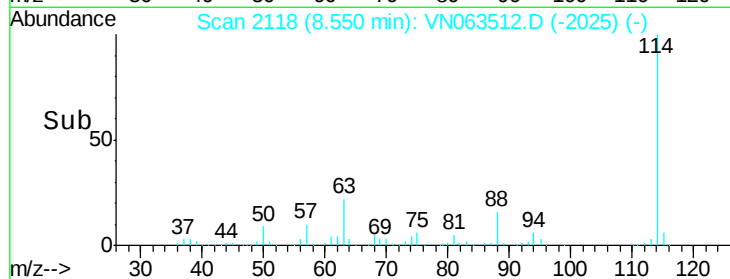
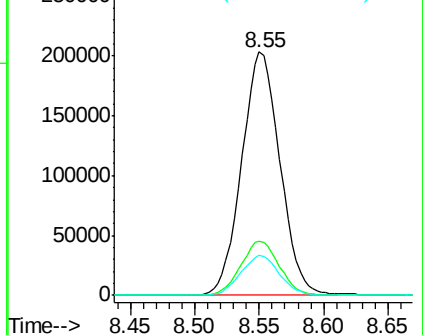
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN063512.D
 Acq: 22 Sep 2020 2:53

Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D2-20200915

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	46.4
88	16.3	0.0	33.2

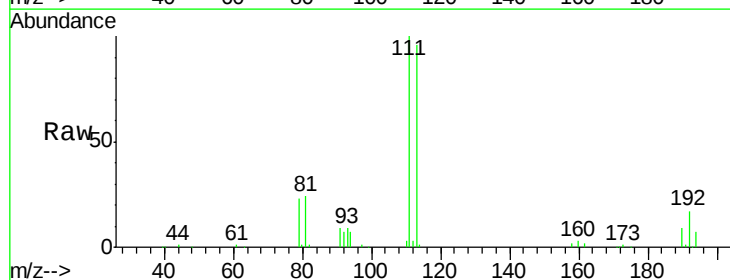


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

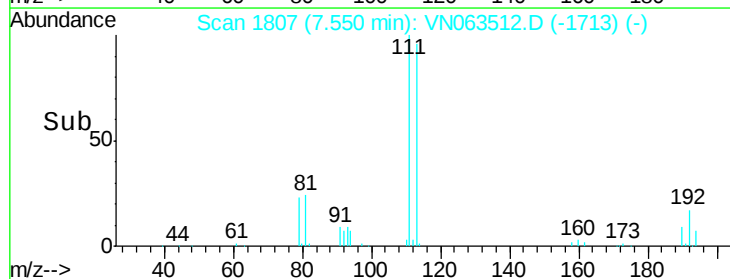
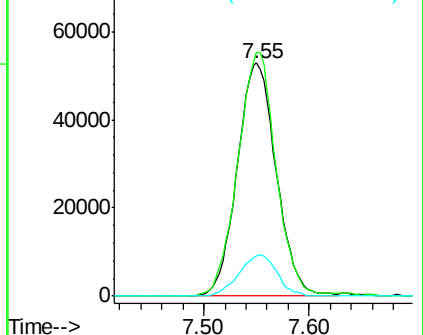


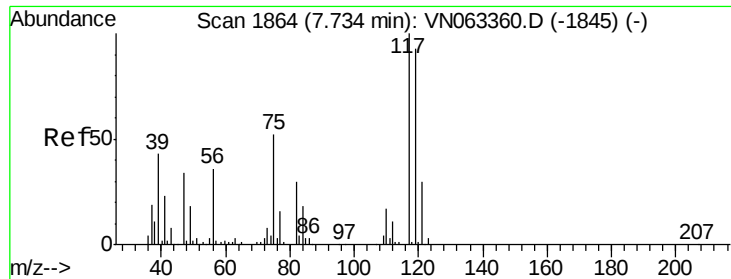
#35
 Dibromofluoromethane
 Concen: 46.702 ug/l
 RT: 7.55 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN063512.D
 Acq: 22 Sep 2020 2:53

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.9	124.3
192	17.2	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

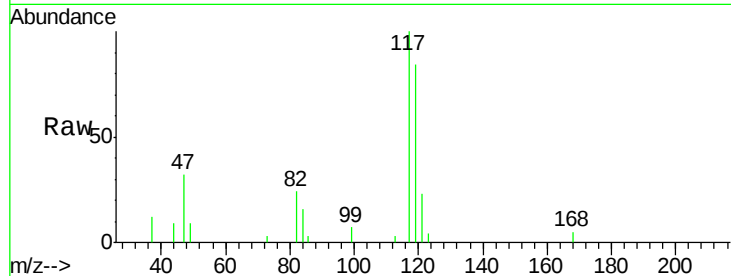




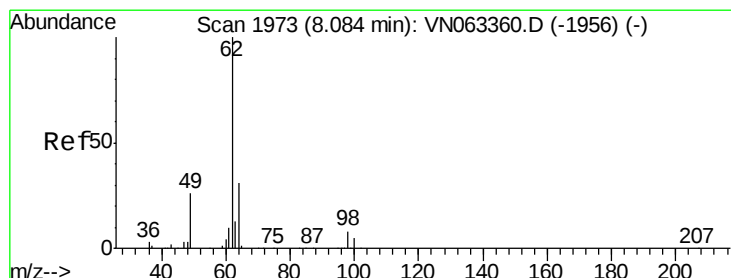
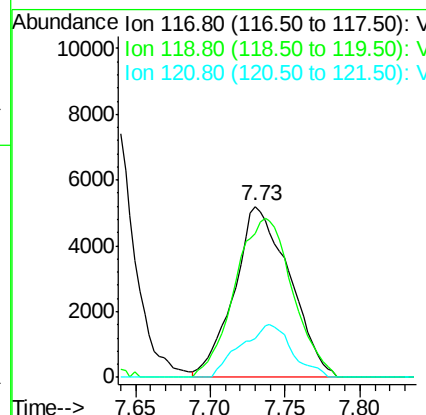
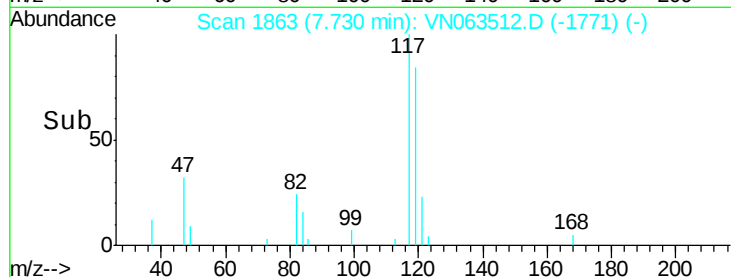
#38
 Carbon Tetrachloride
 Concen: 2.933 ug/l
 RT: 7.73 min Scan# 1863
 Delta R.T. -0.00 min
 Lab File: VN063512.D
 Acq: 22 Sep 2020 2:53

Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D2-20200915

Tot Ion:117 Resp: 13409
 Ion Ratio Lower Upper
 117 100
 119 84.4 74.5 111.7
 121 22.8 24.1 36.1#

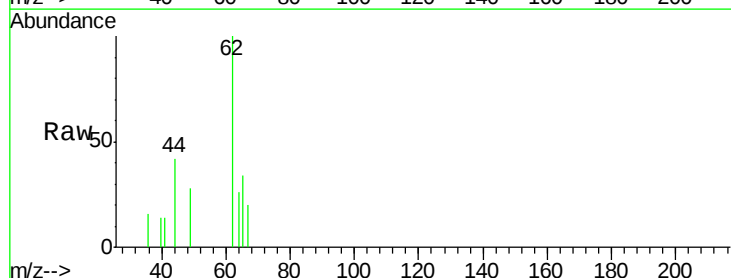


Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

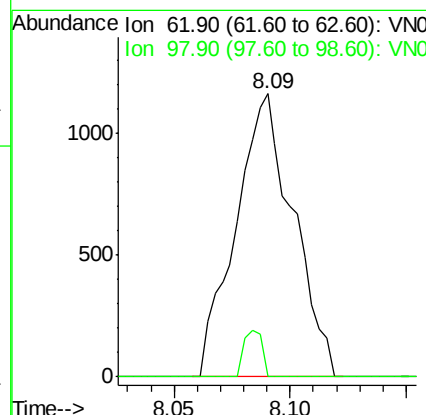
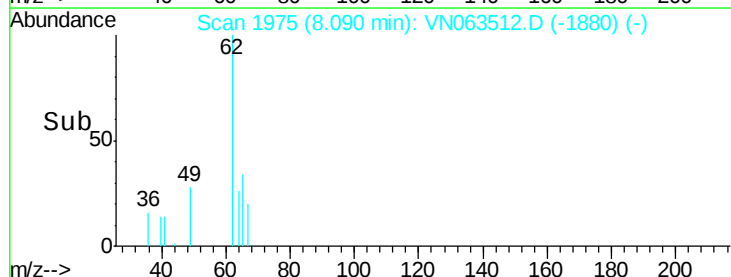


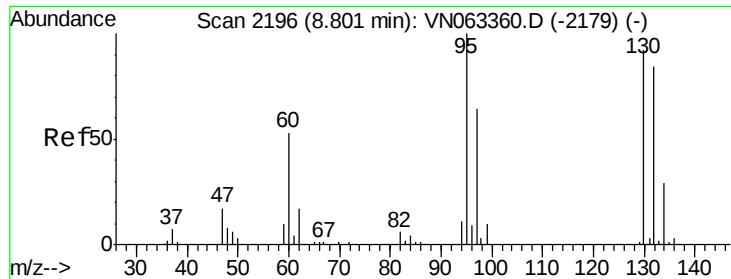
#42
 1,2-Dichloroethane
 Concen: 0.388 ug/l
 RT: 8.09 min Scan# 1975
 Delta R.T. 0.01 min
 Lab File: VN063512.D
 Acq: 22 Sep 2020 2:53

Tgt Ion: 62 Resp: 1994
 Ion Ratio Lower Upper
 62 100
 98 5.1 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): V
 Ion 97.90 (97.60 to 98.60): V





#44

Trichloroethene

Concen: 2057.210 ug/l

RT: 8.80 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN063512.D

Acq: 22 Sep 2020 2:53

Instrument :

MSVOA_N

ClientSampleId :

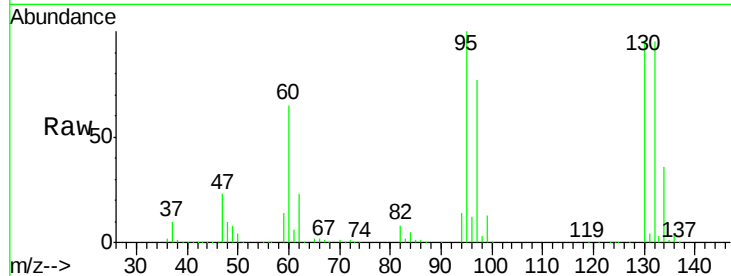
RE105D2-20200915

Tot Ion:130 Resp: 6379977

Ion Ratio Lower Upper

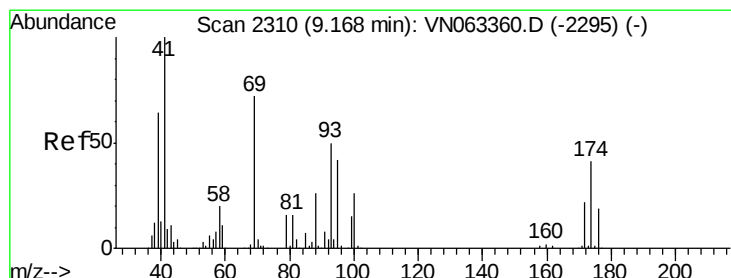
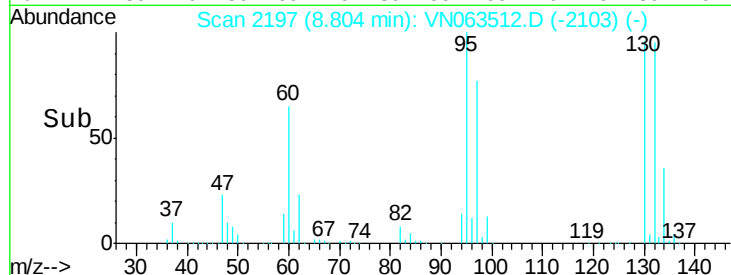
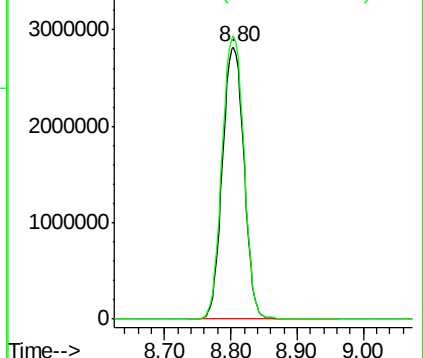
130 100

95 104.0 0.0 217.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0



#49

1,4-Dioxane

Concen: 23.889 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.01 min

Lab File: VN063512.D

Acq: 22 Sep 2020 2:53

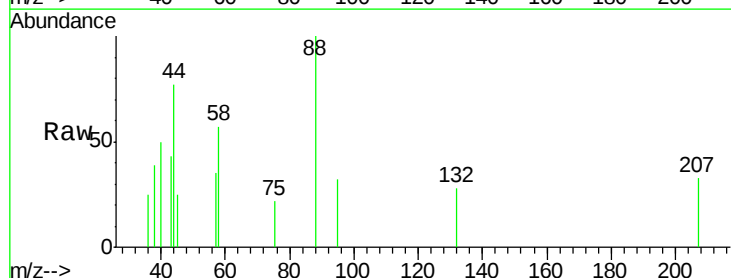
Tgt Ion: 88 Resp: 1324

Ion Ratio Lower Upper

88 100

43 18.9 32.6 49.0#

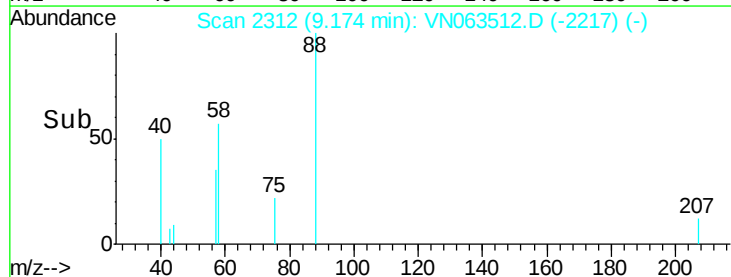
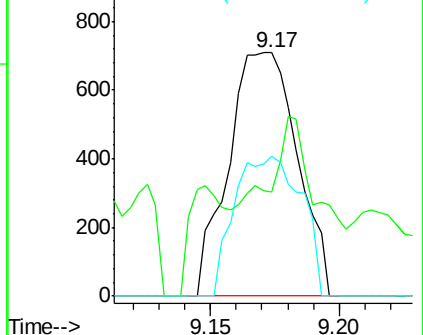
58 55.4 60.0 90.0#

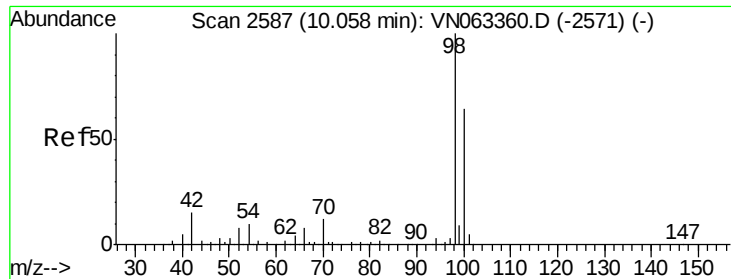


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 49.538 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063512.D

Acq: 22 Sep 2020 2:53

Instrument :

MSVOA_N

ClientSampleId :

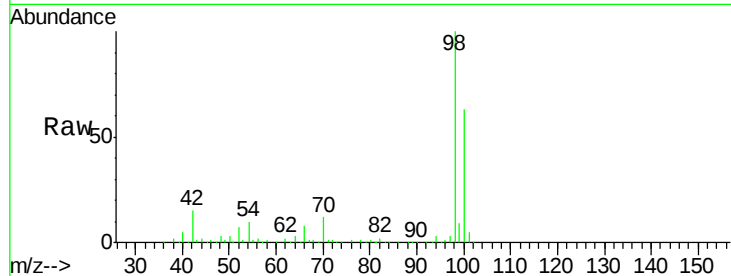
RE105D2-20200915

Tot Ion: 98 Resp: 542161

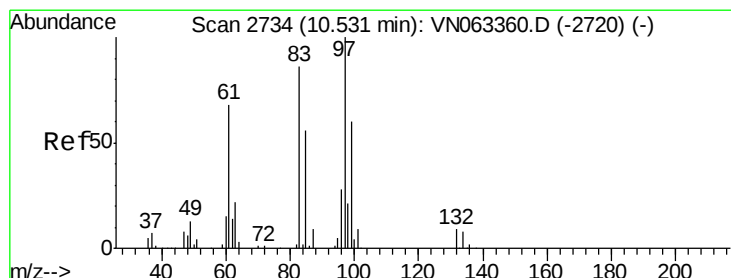
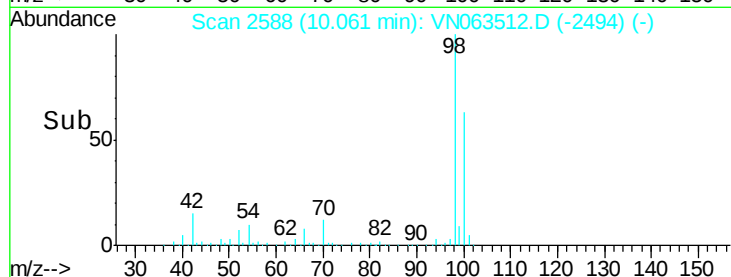
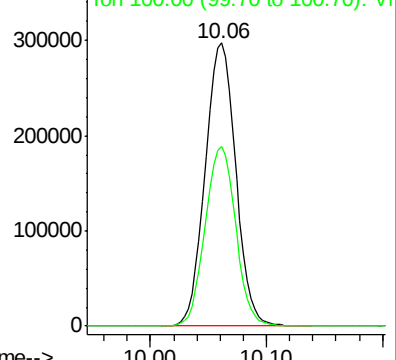
Ion Ratio Lower Upper

98 100

100 63.4 50.7 76.1



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



#55

1,1,2-Trichloroethane

Concen: 1.452 ug/l

RT: 10.53 min Scan# 2735

Delta R.T. 0.00 min

Lab File: VN063512.D

Acq: 22 Sep 2020 2:53

Tgt Ion: 97 Resp: 4433

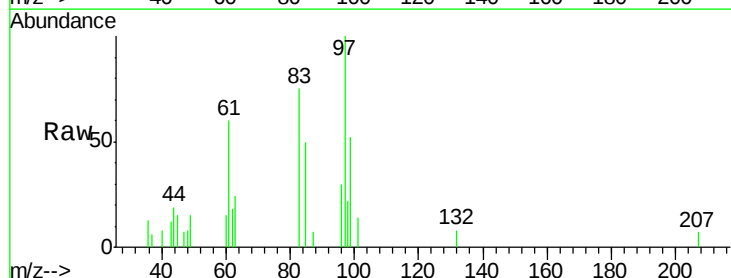
Ion Ratio Lower Upper

97 100

83 75.0 68.9 103.3

85 49.9 44.8 67.2

99 52.0 47.8 71.8

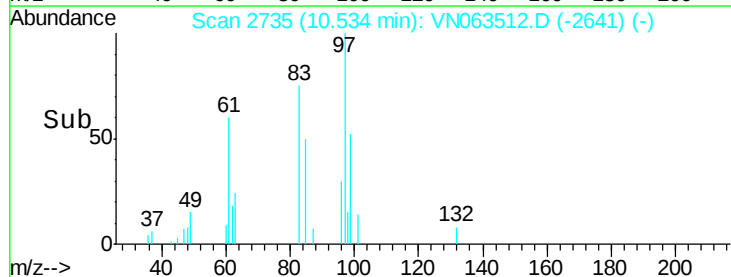
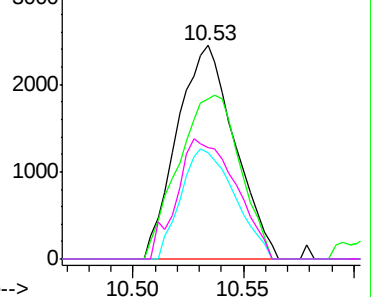


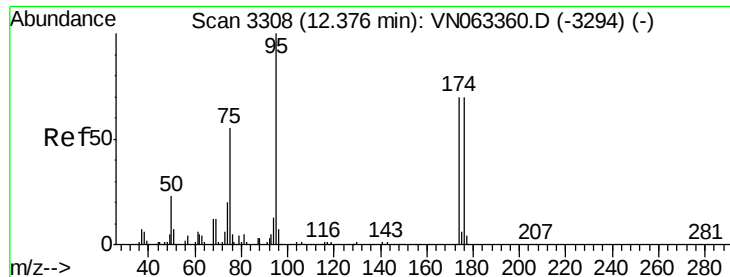
Abundance Ion 96.90 (96.60 to 97.60): VN063360.D (-2720) (-)

Ion 82.90 (82.60 to 83.60): VN063360.D (-2720) (-)

Ion 84.90 (84.60 to 85.60): VN063360.D (-2720) (-)

Ion 98.90 (98.60 to 99.60): VN063360.D (-2720) (-)

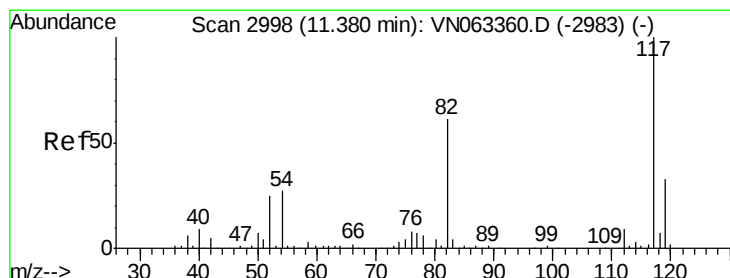
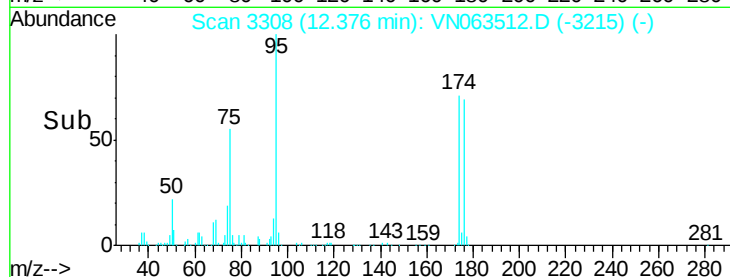
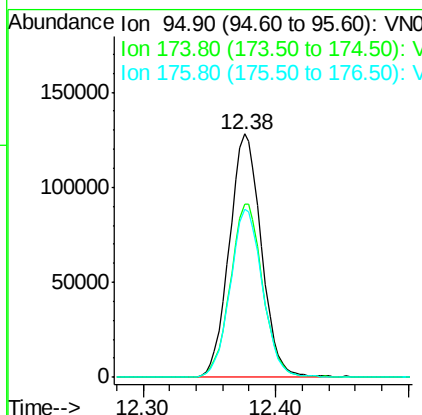
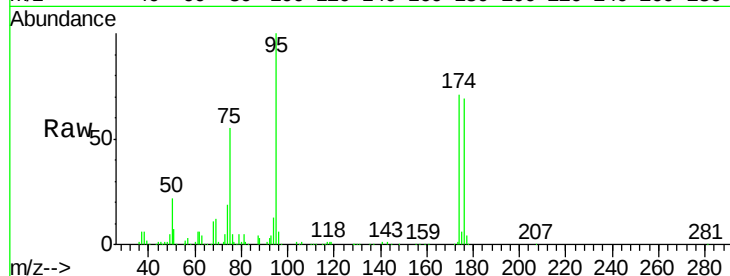




#62
4-Bromofluorobenzene
Concen: 53.612 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063512.D
Acq: 22 Sep 2020 2:53

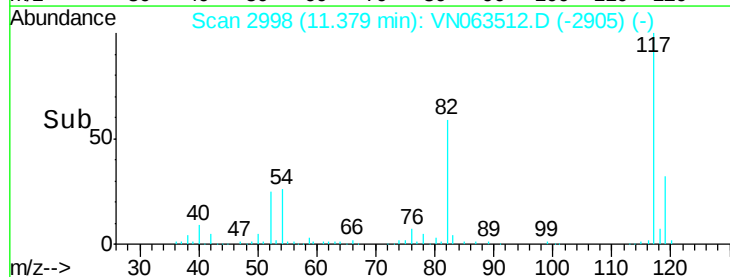
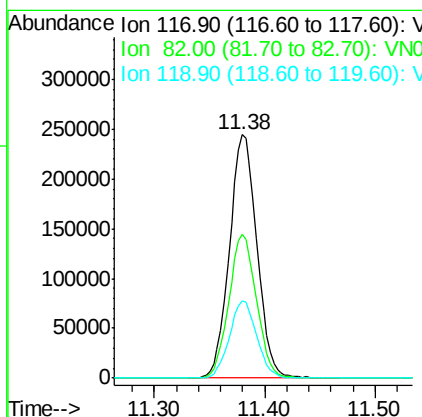
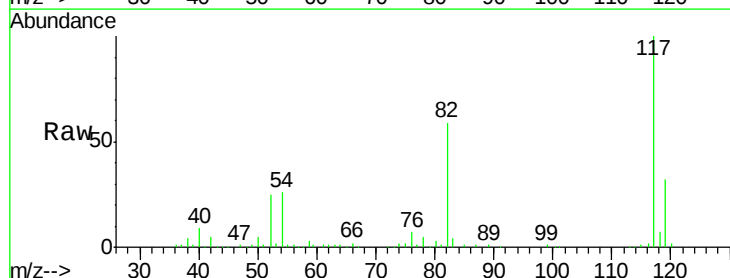
Instrument :
MSVOA_N
ClientSampleId :
RE105D2-20200915

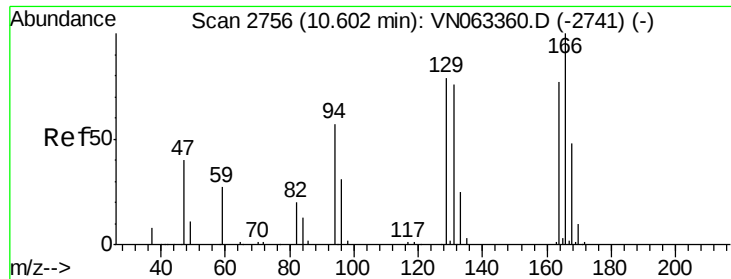
Tot Ion: 95 Resp: 215092
Ion Ratio Lower Upper
95 100
174 72.0 0.0 140.8
176 69.6 0.0 137.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063512.D
Acq: 22 Sep 2020 2:53

Tgt Ion: 117 Resp: 422990
Ion Ratio Lower Upper
117 100
82 59.2 49.2 73.8
119 31.8 26.2 39.4

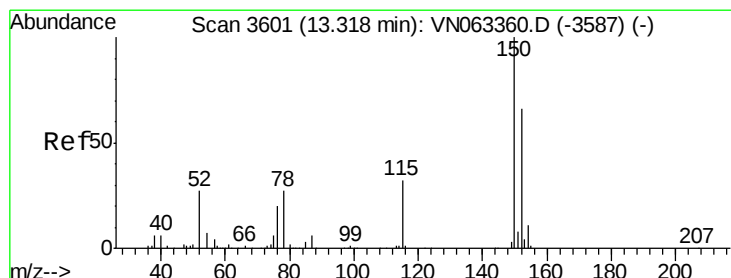
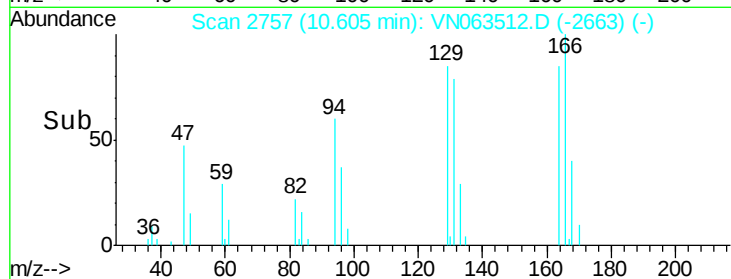
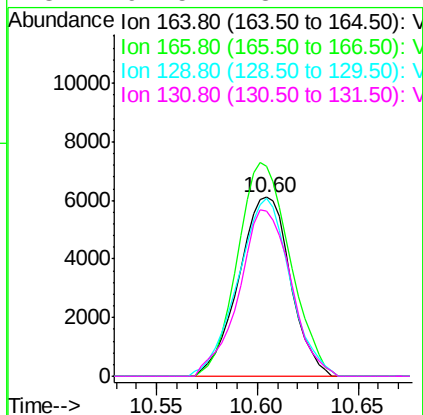
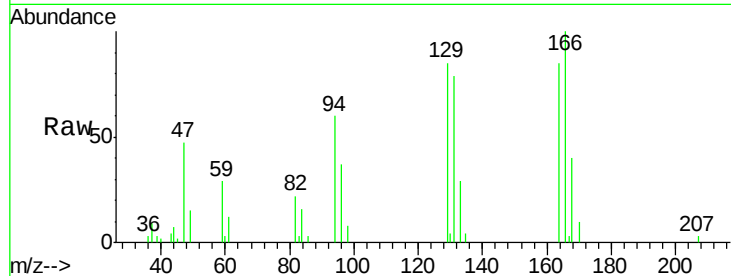




#64
 Tetrachloroethene
 Concen: 3.808 ug/l
 RT: 10.60 min Scan# 2757
 Delta R.T. 0.00 min
 Lab File: VN063512.D
 Acq: 22 Sep 2020 2:53

Instrument :
 MSVOA_N
 ClientSampleId :
 RE105D2-20200915

Tot Ion:	164	Resp:	10967
Ion	Ratio	Lower	Upper
164	100		
166	117.4	103.4	155.0
129	99.2	81.8	122.6
131	92.5	78.2	117.4



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.32 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VN063512.D
 Acq: 22 Sep 2020 2:53

Tgt Ion:	152	Resp:	182524
Ion	Ratio	Lower	Upper
152	100		
115	64.1	32.2	96.6
150	155.8	0.0	343.4

