

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061220\
 Data File : VN061802.D
 Acq On : 12 Jun 2020 19:31
 Operator : JC/MD
 Sample : L2989-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D2-20200609

Quant Time: Jun 13 07:06:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	268108	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	450020	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	456523	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	199222	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	151890	47.55	ug/l	0.00
Spiked Amount			Recovery	=	95.10%	
35) Dibromofluoromethane	7.55	113	130924	57.35	ug/l	0.00
Spiked Amount			Recovery	=	114.70%	
50) Toluene-d8	10.06	98	557484	52.70	ug/l	0.00
Spiked Amount			Recovery	=	105.40%	
62) 4-Bromofluorobenzene	12.38	95	186909	48.43	ug/l	0.00
Spiked Amount			Recovery	=	96.86%	

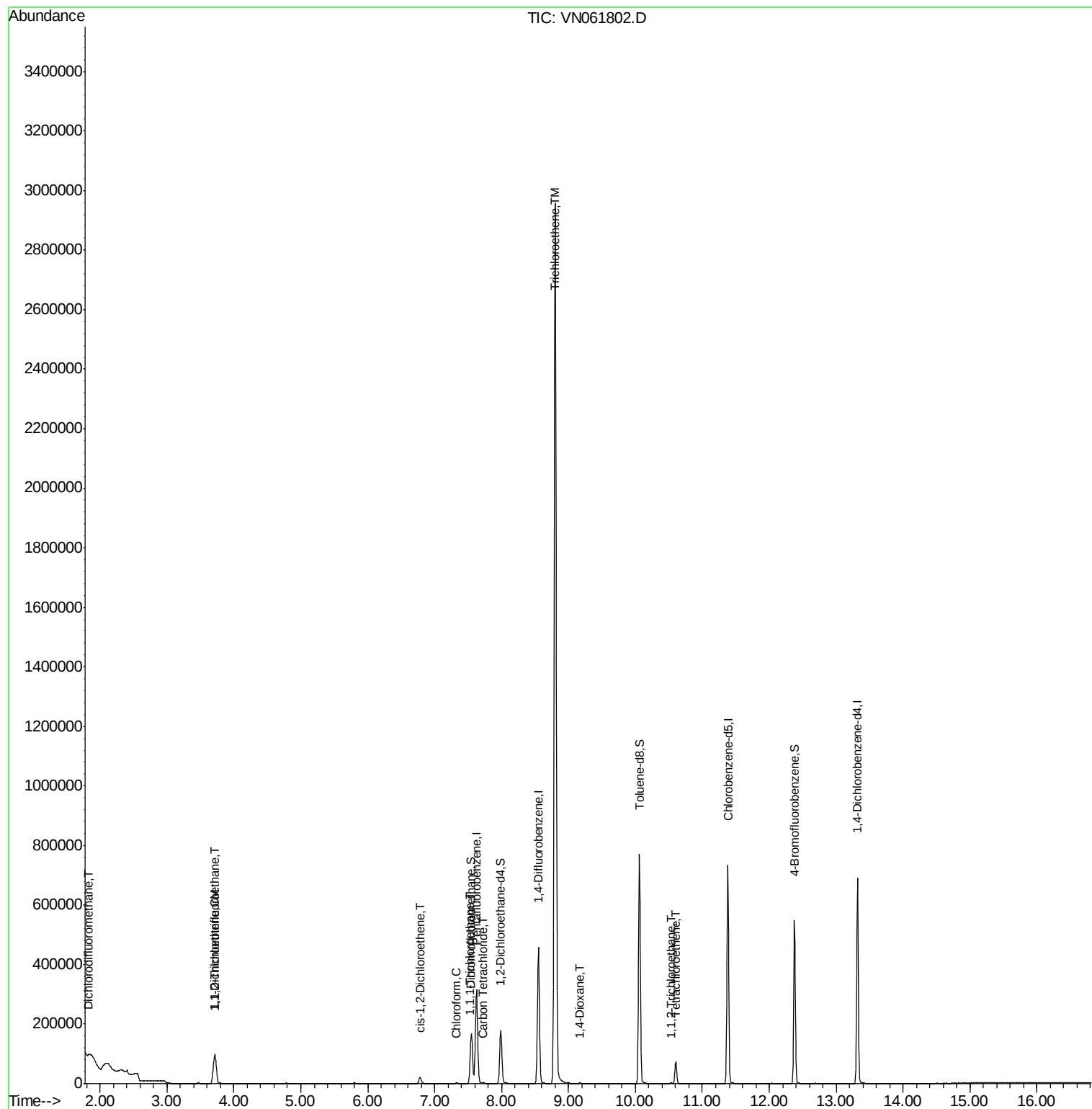
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	1547	1.636	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.72	101	54260	21.160	ug/l	96
12) 1,1-Dichloroethene	3.70	96	14970	5.464	ug/l	90
27) cis-1,2-Dichloroethene	6.78	96	15330	4.382	ug/l	88
30) Chloroform	7.33	83	2445	0.442	ug/l	99
32) 1,1,1-Trichloroethane	7.52	97	2015	0.399	ug/l #	38
38) Carbon Tetrachloride	7.73	117	1961	0.510	ug/l	89
44) Trichloroethene	8.80	130	1163055	307.880	ug/l	96
49) 1,4-Dioxane	9.17	88	1407	34.968	ug/l #	85
55) 1,1,2-Trichloroethane	10.53	97	1470	0.460	ug/l #	90
64) Tetrachloroethene	10.60	164	18276	4.253	ug/l	97

(#) = 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# 1820

Delta R.T. 0.00 min

Lab File: VN061802.D

Acq: 12 Jun 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

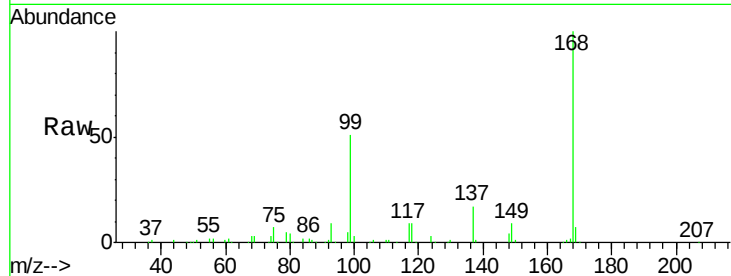
RE125D2-20200609

Tot Ion:168 Resp: 268108

Ion Ratio Lower Upper

168 100

99 51.5 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

120000

100000

80000

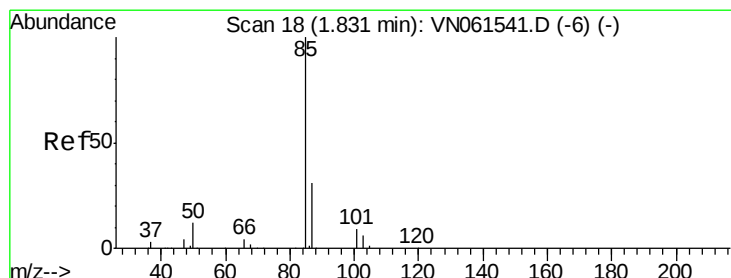
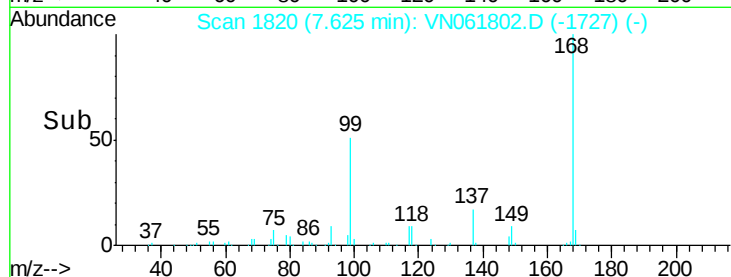
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 1.636 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN061802.D

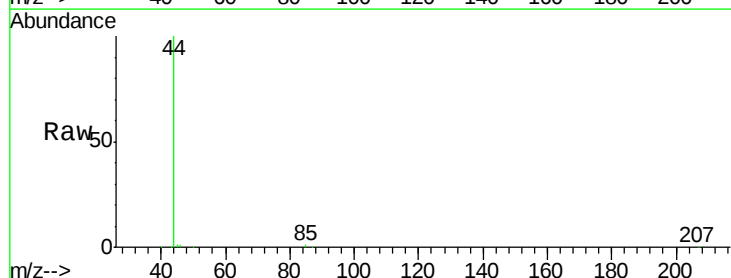
Acq: 12 Jun 2020 19:31

Tgt Ion: 85 Resp: 1547

Ion Ratio Lower Upper

85 100

87 27.0 15.6 46.8



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

1200

1000

800

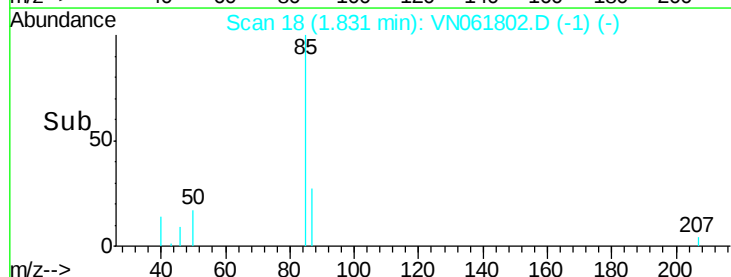
600

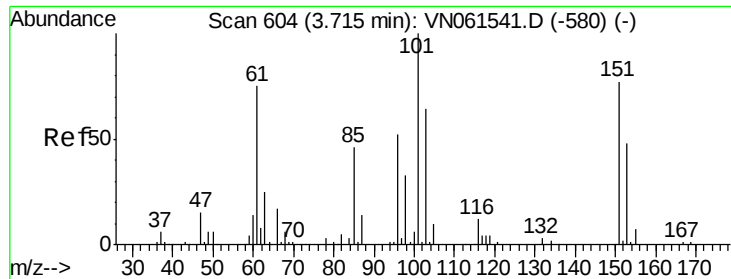
400

200

0

Time--> 1.80 1.82 1.84 1.86





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.160 ug/l

RT: 3.72 min Scan# 606

Delta R.T. 0.01 min

Lab File: VN061802.D

Acq: 12 Jun 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

RE125D2-20200609

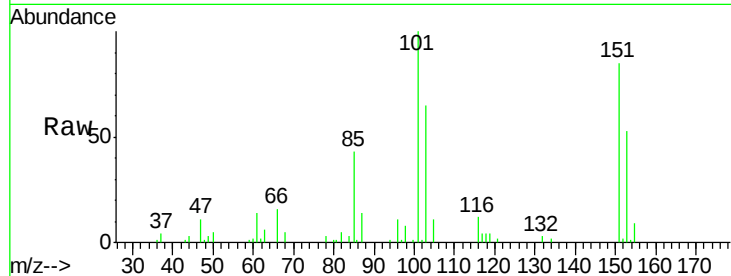
Tot Ion:101 Resp: 54260

Ion Ratio Lower Upper

101 100

85 42.9 35.2 52.8

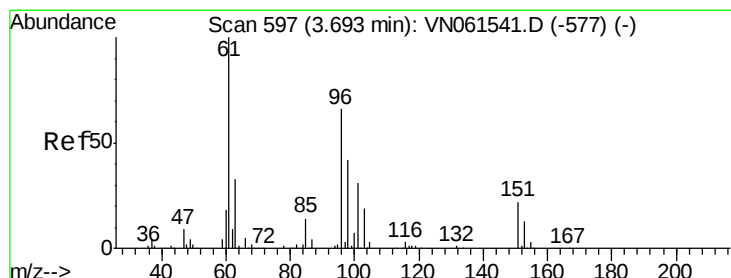
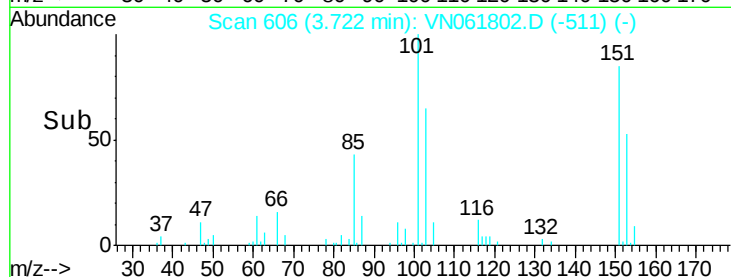
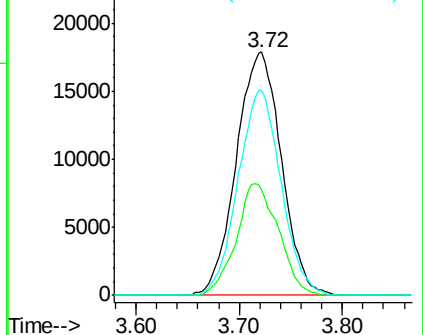
151 80.6 61.0 91.6



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



#12

1,1-Dichloroethene

Concen: 5.464 ug/l

RT: 3.70 min Scan# 599

Delta R.T. 0.01 min

Lab File: VN061802.D

Acq: 12 Jun 2020 19:31

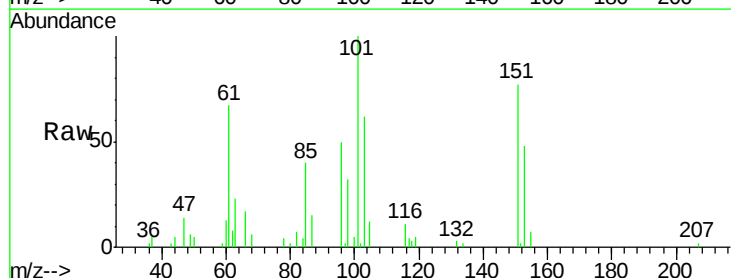
Tgt Ion: 96 Resp: 14970

Ion Ratio Lower Upper

96 100

61 132.2 120.5 180.7

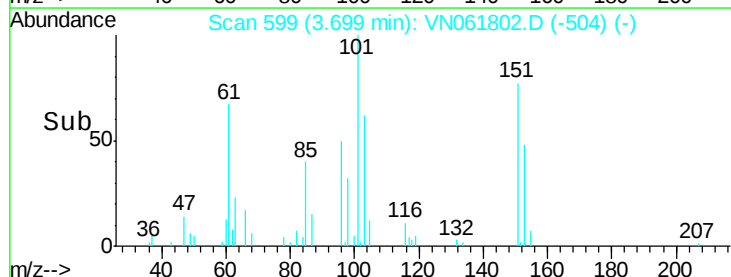
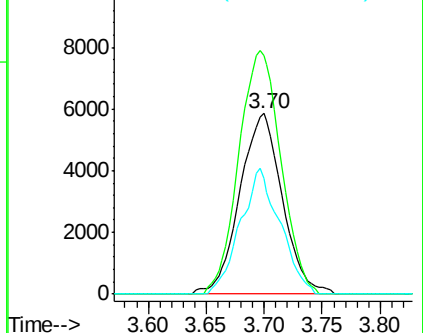
98 64.2 50.8 76.2

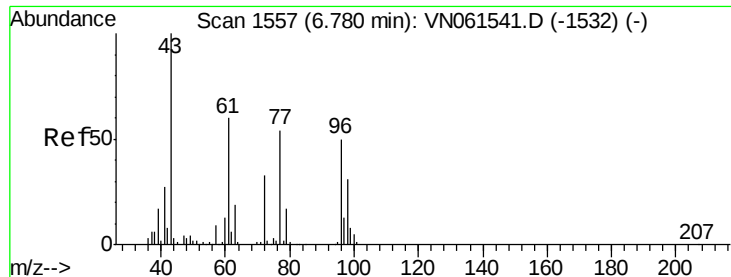


Abundance Ion 95.90 (95.60 to 96.60): VNO

Ion 60.90 (60.60 to 61.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

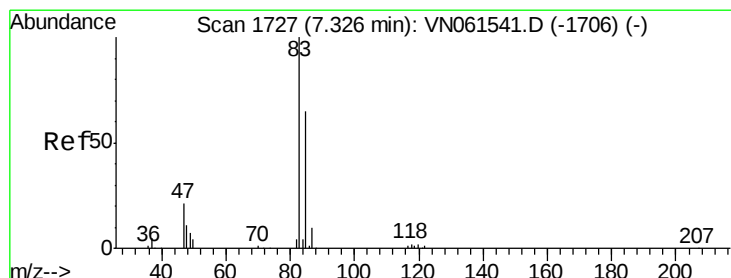
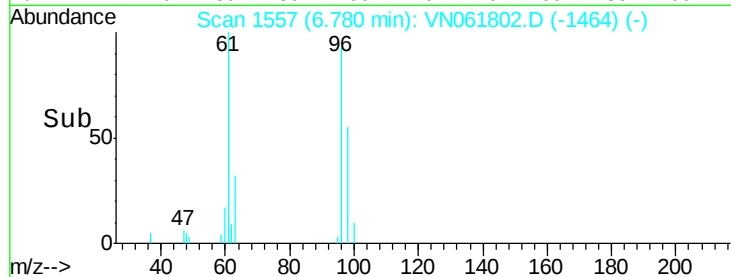
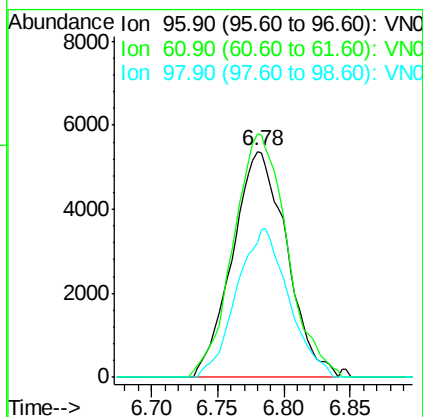
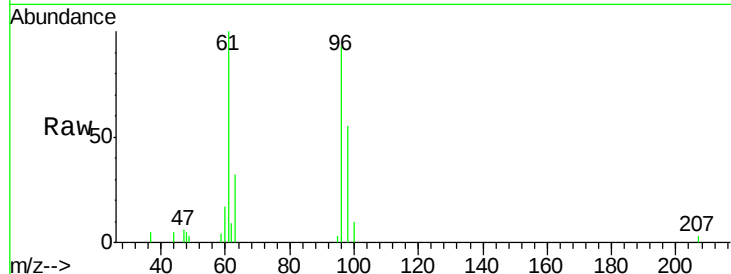




#27
 cis-1,2-Dichloroethene
 Concen: 4.382 ug/l
 RT: 6.78 min Scan# 1557
 Delta R.T. -0.00 min
 Lab File: VN061802.D
 Acq: 12 Jun 2020 19:31

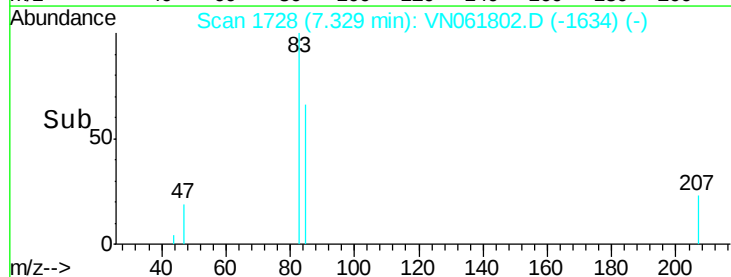
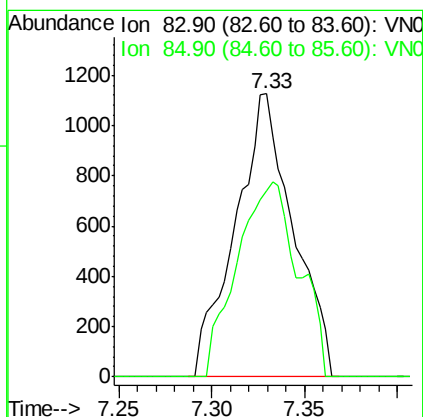
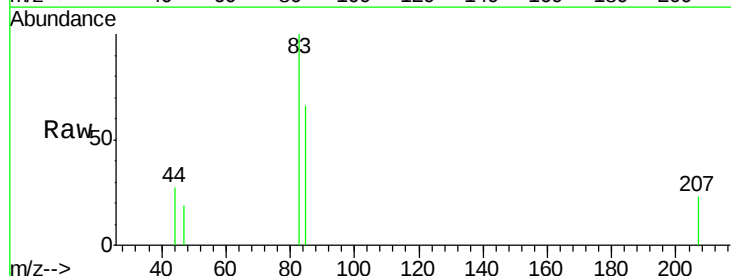
Instrument :
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 RE125D2-20200609

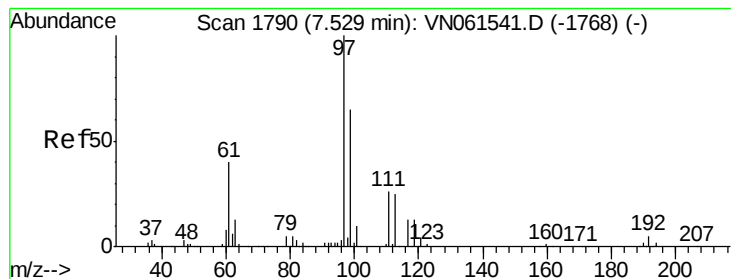
Tot Ion: 96 Resp: 15330
 Ion Ratio Lower Upper
 96 100
 61 107.0 0.0 252.2
 98 62.9 0.0 129.2



#30
 Chloroform
 Concen: 0.442 ug/l
 RT: 7.33 min Scan# 1728
 Delta R.T. 0.00 min
 Lab File: VN061802.D
 Acq: 12 Jun 2020 19:31

Tgt Ion: 83 Resp: 2445
 Ion Ratio Lower Upper
 83 100
 85 65.7 51.7 77.5





#32

1,1,1-Trichloroethane

Concen: 0.399 ug/l

RT: 7.52 min Scan# 1787

Delta R.T. -0.01 min

Lab File: VN061802.D

Acq: 12 Jun 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

RE125D2-20200609

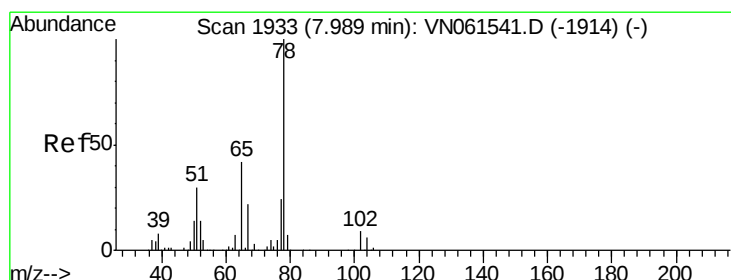
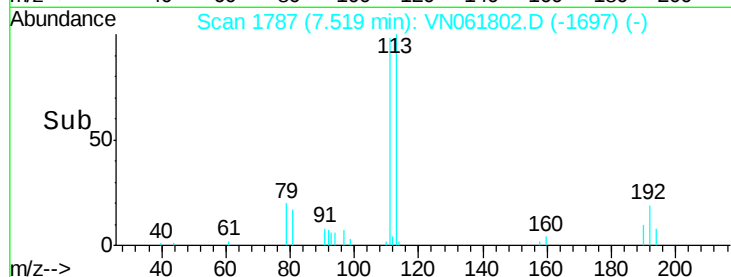
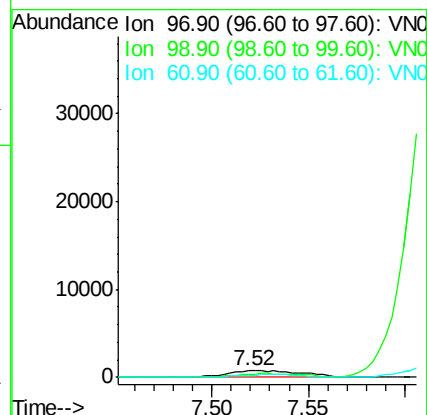
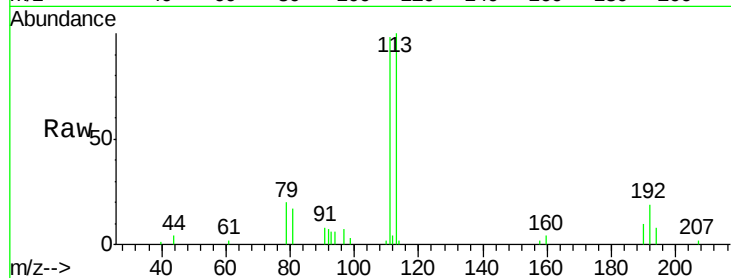
Tot Ion: 97 Resp: 2015

Ion Ratio Lower Upper

97 100

99 0.0 51.4 77.0#

61 21.9 31.4 47.0#



#33

1,2-Dichloroethane-d4

Concen: 47.550 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN061802.D

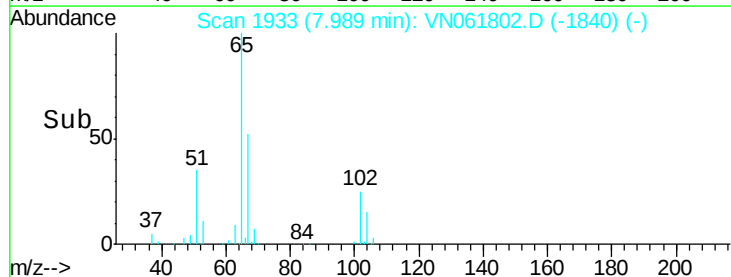
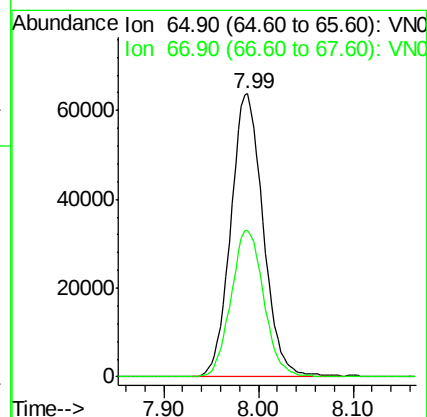
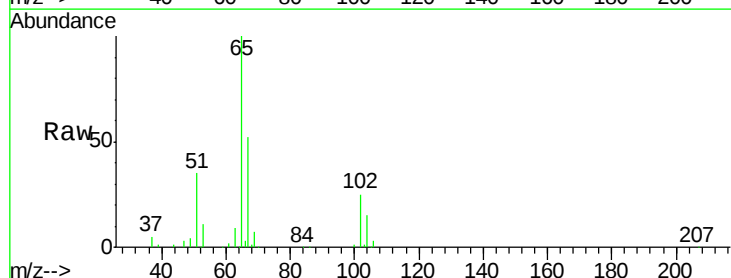
Acq: 12 Jun 2020 19:31

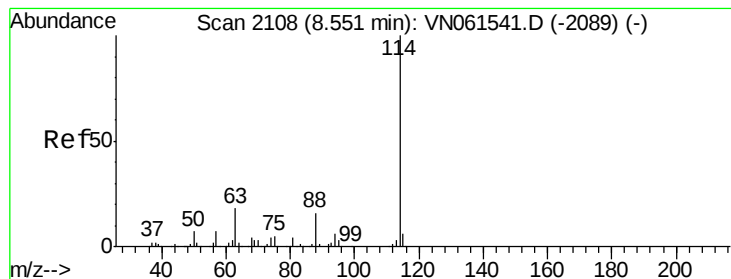
Tgt Ion: 65 Resp: 151890

Ion Ratio Lower Upper

65 100

67 52.2 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN061802.D

Acq: 12 Jun 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

RE125D2-20200609

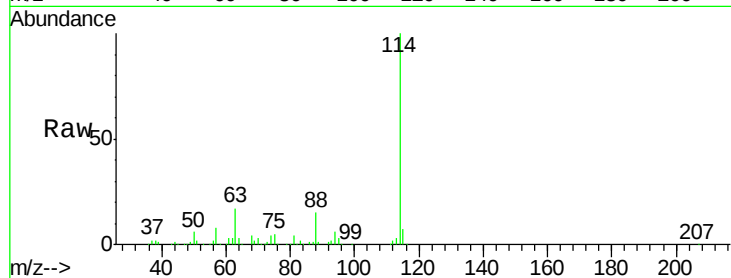
Tot Ion:114 Resp: 450020

Ion Ratio Lower Upper

114 100

63 17.2 0.0 35.8

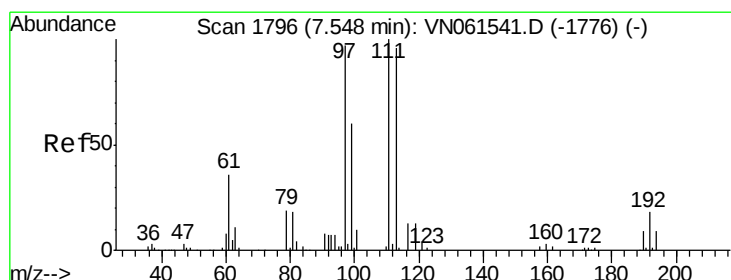
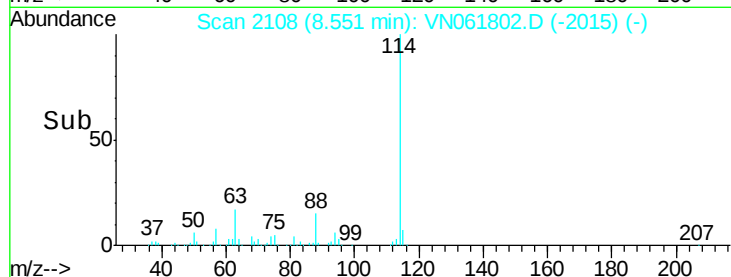
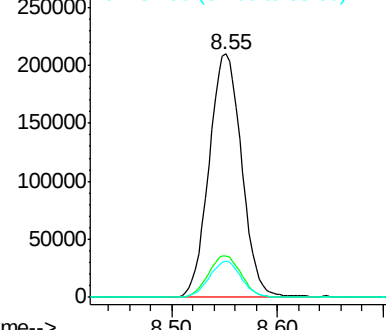
88 14.8 0.0 31.0



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: 57.351 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN061802.D

Acq: 12 Jun 2020 19:31

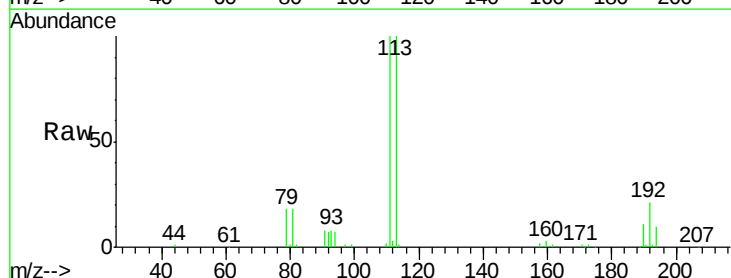
Tgt Ion:113 Resp: 130924

Ion Ratio Lower Upper

113 100

111 100.4 83.4 125.0

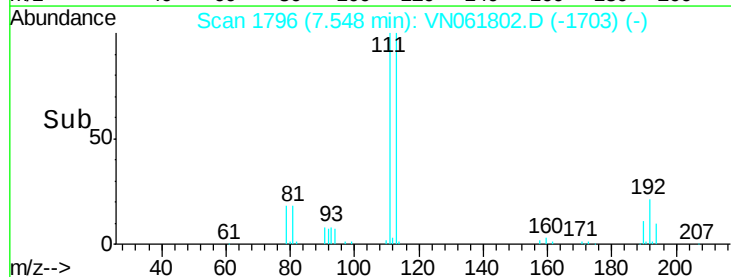
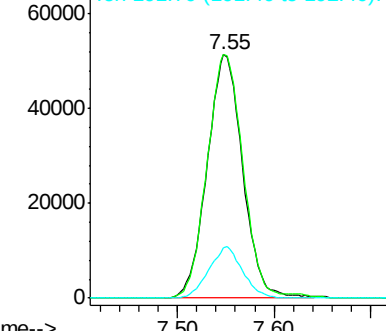
192 19.9 15.4 23.2

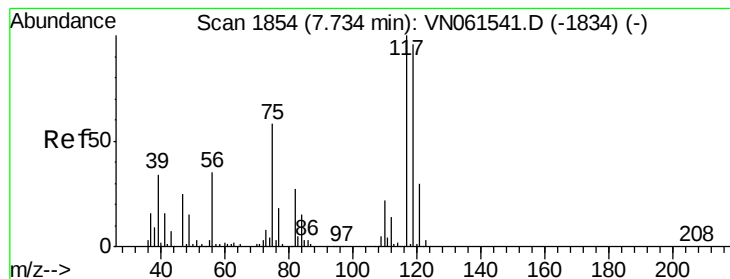


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#38

Carbon Tetrachloride

Concen: 0.510 ug/l

RT: 7.73 min Scan# 1854

Delta R.T. 0.00 min

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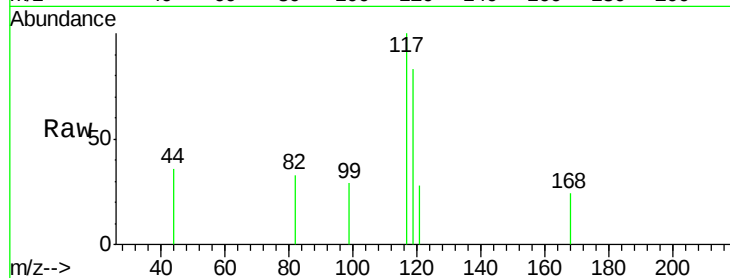
Tot Ion:117 Resp: 1961

Ion Ratio Lower Upper

117 100

119 82.9 76.5 114.7

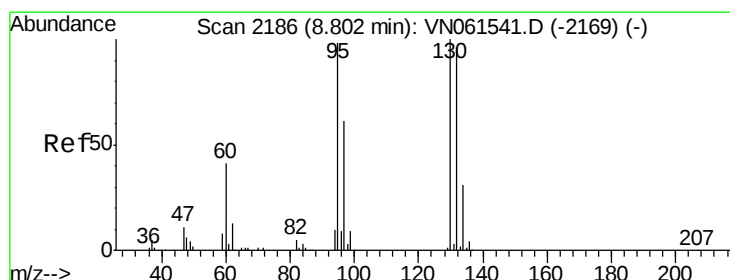
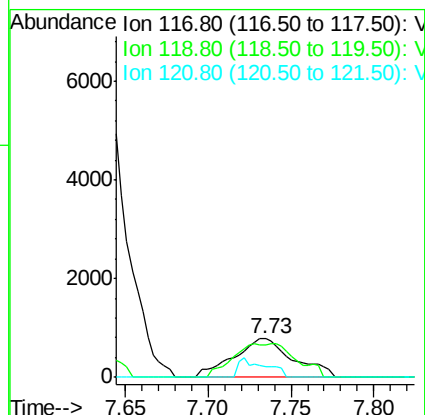
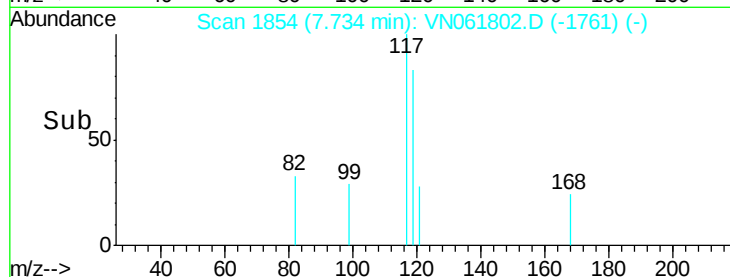
121 28.1 24.1 36.1



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



#44

Trichloroethene

Concen: 307.880 ug/l

RT: 8.80 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VN061802.D

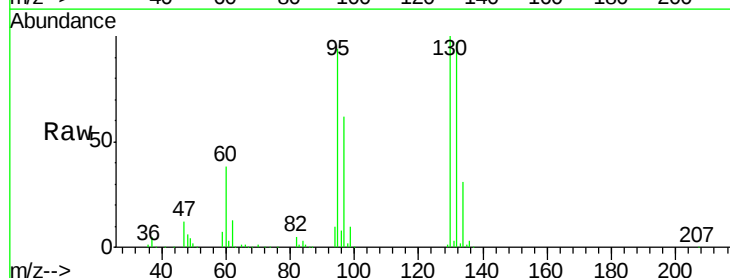
Acq: 12 Jun 2020 19:31

Tgt Ion:130 Resp: 1163055

Ion Ratio Lower Upper

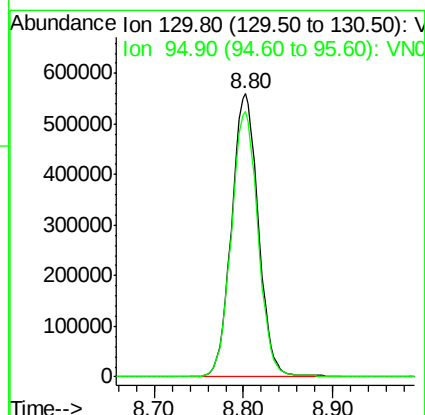
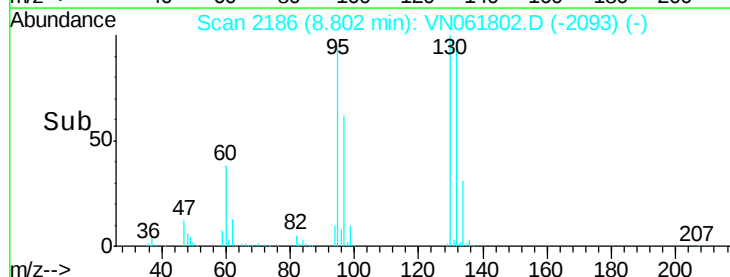
130 100

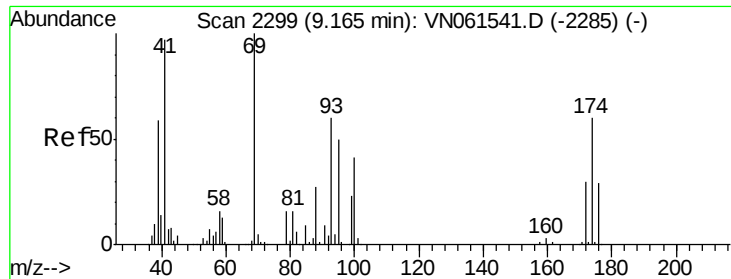
95 93.8 0.0 196.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN0

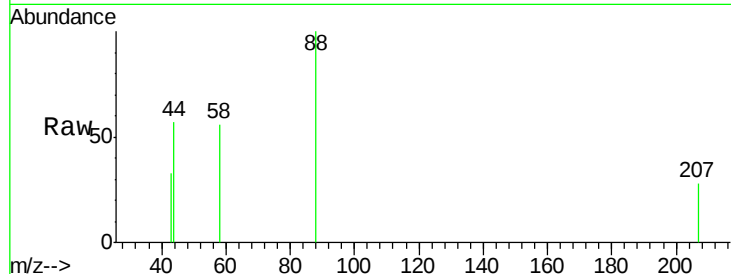




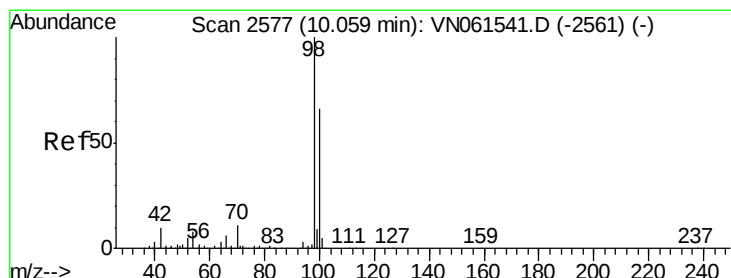
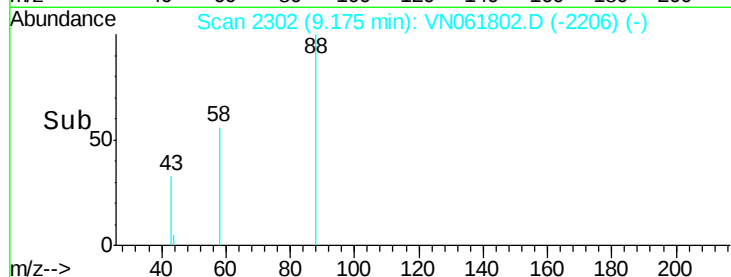
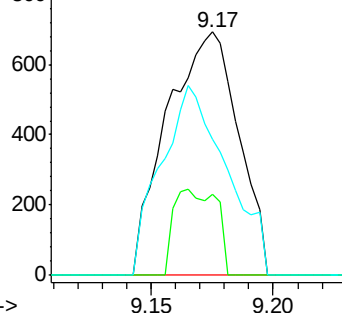
#49
1,4-Dioxane
Concen: 34.968 ug/l
RT: 9.17 min Scan# 2302
Delta R.T. 0.01 min
Lab File: VN061802.D
Acq: 12 Jun 2020 19:31

Instrument :
MSVOA_N
ClientSampleId :
RE125D2-20200609

Tot Ion: 88 Resp: 1407
Ion Ratio Lower Upper
88 100
43 21.1 23.1 34.7#
58 71.6 48.3 72.5

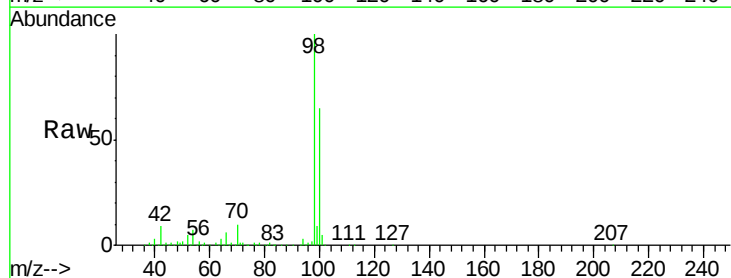


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

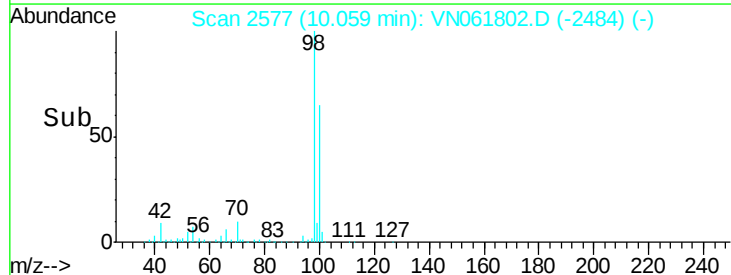
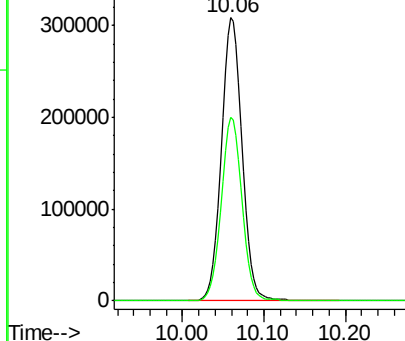


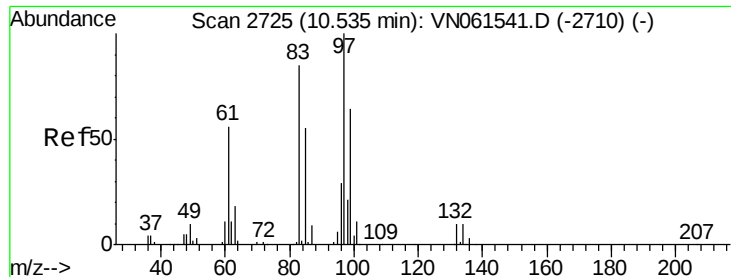
#50
Toluene-d8
Concen: 52.697 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061802.D
Acq: 12 Jun 2020 19:31

Tgt Ion: 98 Resp: 557484
Ion Ratio Lower Upper
98 100
100 65.0 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

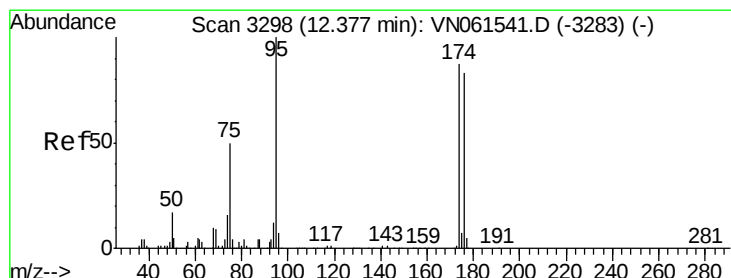
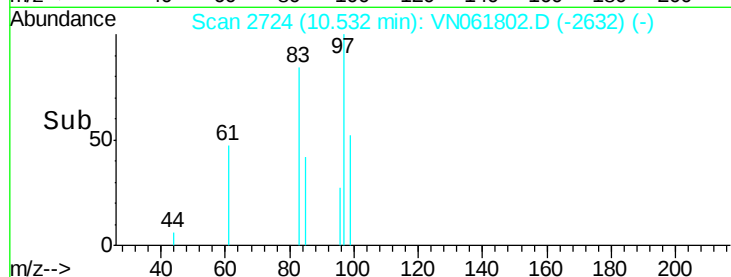
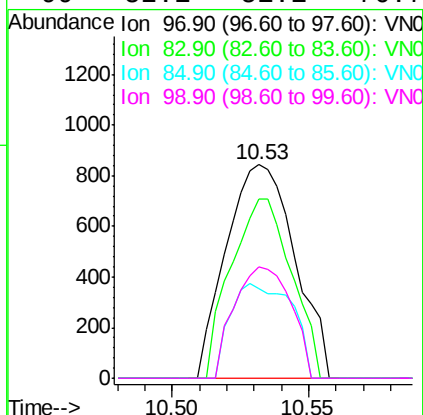
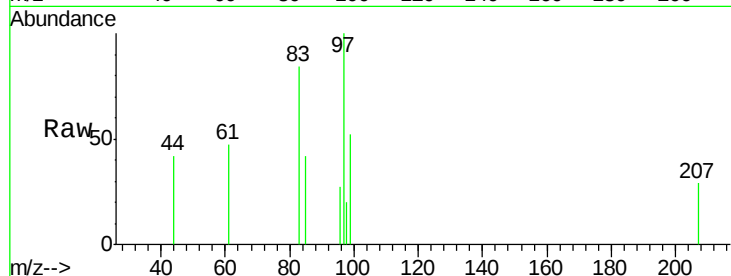




#55
 1,1,2-Trichloroethane
 Concen: 0.460 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN061802.D
 Acq: 12 Jun 2020 19:31

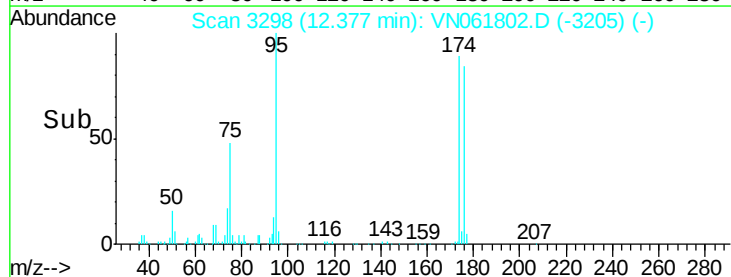
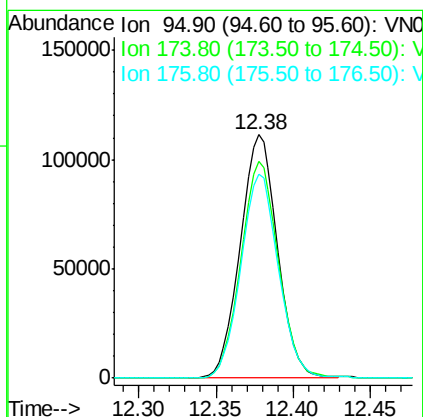
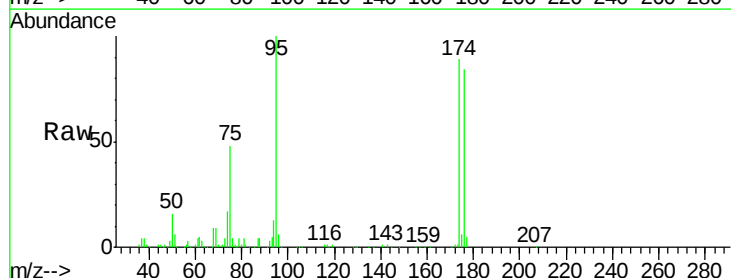
Instrument :
 MSVOA_N
 ClientSampleId :
 RE125D2-20200609

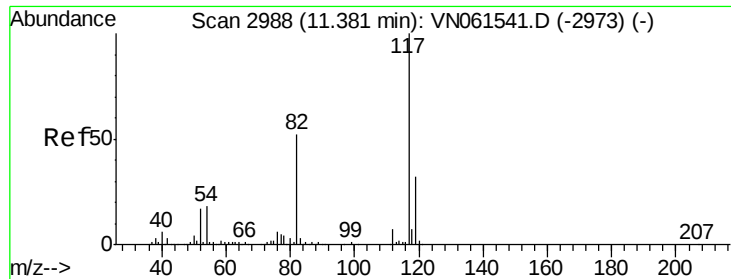
Tot Ion: 97 Resp: 1470
 Ion Ratio Lower Upper
 97 100
 83 84.0 68.1 102.1
 85 42.2 44.1 66.1#
 99 52.1 51.1 76.7



#62
 4-Bromofluorobenzene
 Concen: 48.427 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN061802.D
 Acq: 12 Jun 2020 19:31

Tgt Ion: 95 Resp: 186909
 Ion Ratio Lower Upper
 95 100
 174 90.1 0.0 172.8
 176 85.0 0.0 164.8

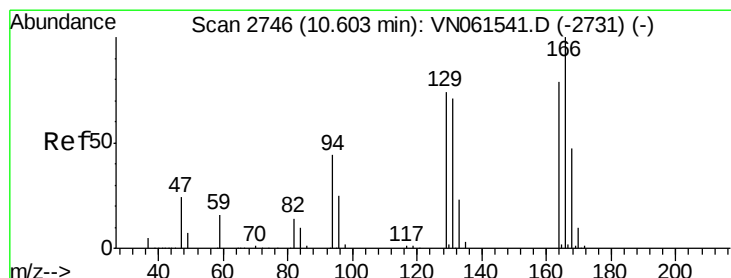
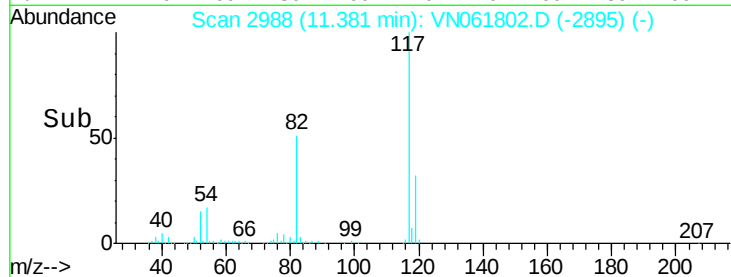
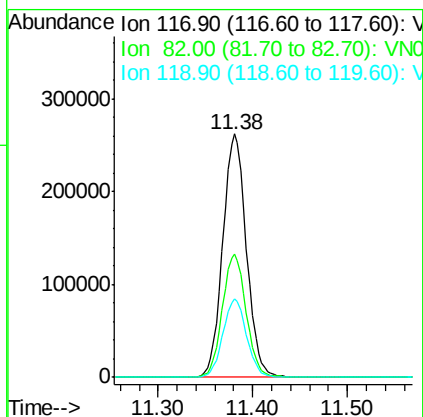
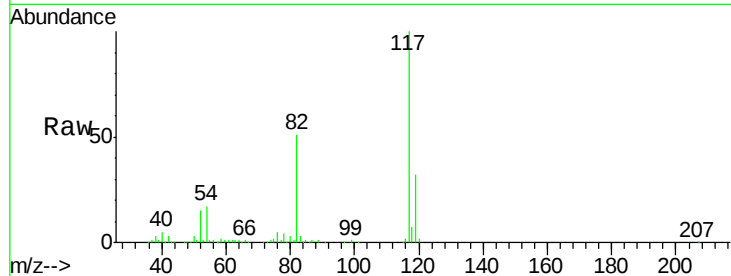




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061802.D
Acq: 12 Jun 2020 19:31

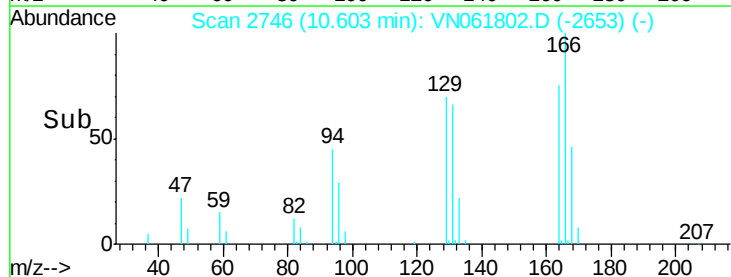
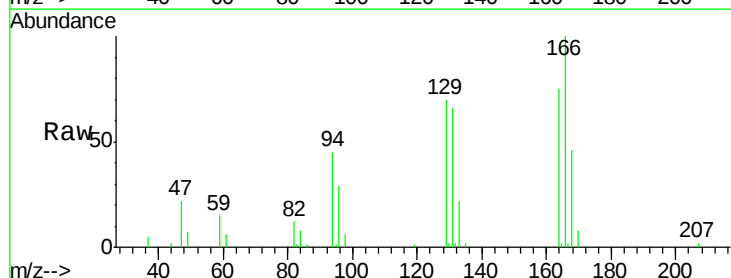
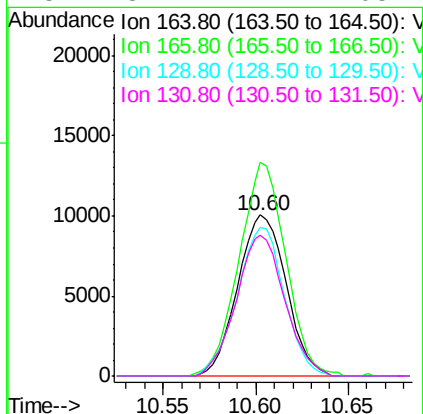
Instrument :
MSVOA_N
ClientSampleId :
RE125D2-20200609

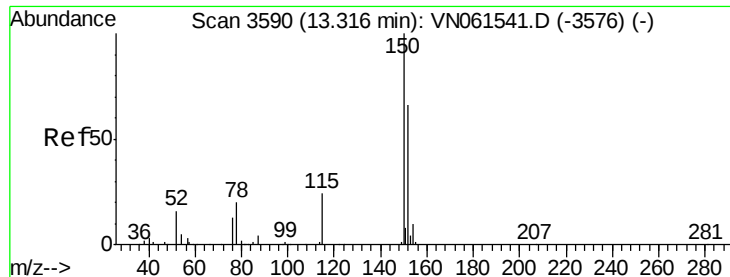
Tot Ion:117 Resp: 456523
Ion Ratio Lower Upper
117 100
82 50.5 41.5 62.3
119 32.3 25.6 38.4



#64
Tetrachloroethene
Concen: 4.253 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN061802.D
Acq: 12 Jun 2020 19:31

Tgt Ion:164 Resp: 18276
Ion Ratio Lower Upper
164 100
166 132.9 101.5 152.3
129 92.7 74.9 112.3
131 87.2 72.2 108.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061802.D

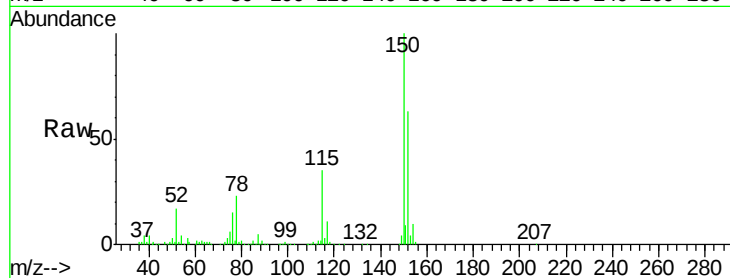
Acq: 12 Jun 2020 19:31

Instrument :

MSVOA_N

ClientSampleId :

RE125D2-20200609



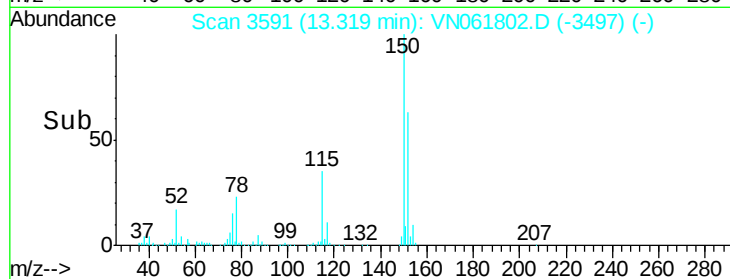
Tot Ion:152 Resp: 199222

Ion Ratio Lower Upper

152 100

115 55.8 28.0 84.0

150 158.5 0.0 344.0



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

