

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061082.D
 Acq On : 18 Apr 2020 3:52
 Operator : JC/MD
 Sample : L2334-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ST008MW026-200415

Quant Time: Apr 20 01:41:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N041620W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 17 03:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	142805	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	242984	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	227652	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	99921	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	98510	53.92	ug/l	0.00
Spiked Amount						
			Recovery	=	107.84%	
35) Dibromofluoromethane	7.56	113	73028	51.46	ug/l	0.00
Spiked Amount						
			Recovery	=	102.92%	
50) Toluene-d8	10.08	98	298468	55.66	ug/l	0.00
Spiked Amount						
			Recovery	=	111.32%	
62) 4-Bromofluorobenzene	12.39	95	109897	52.29	ug/l	0.00
Spiked Amount						
			Recovery	=	104.58%	

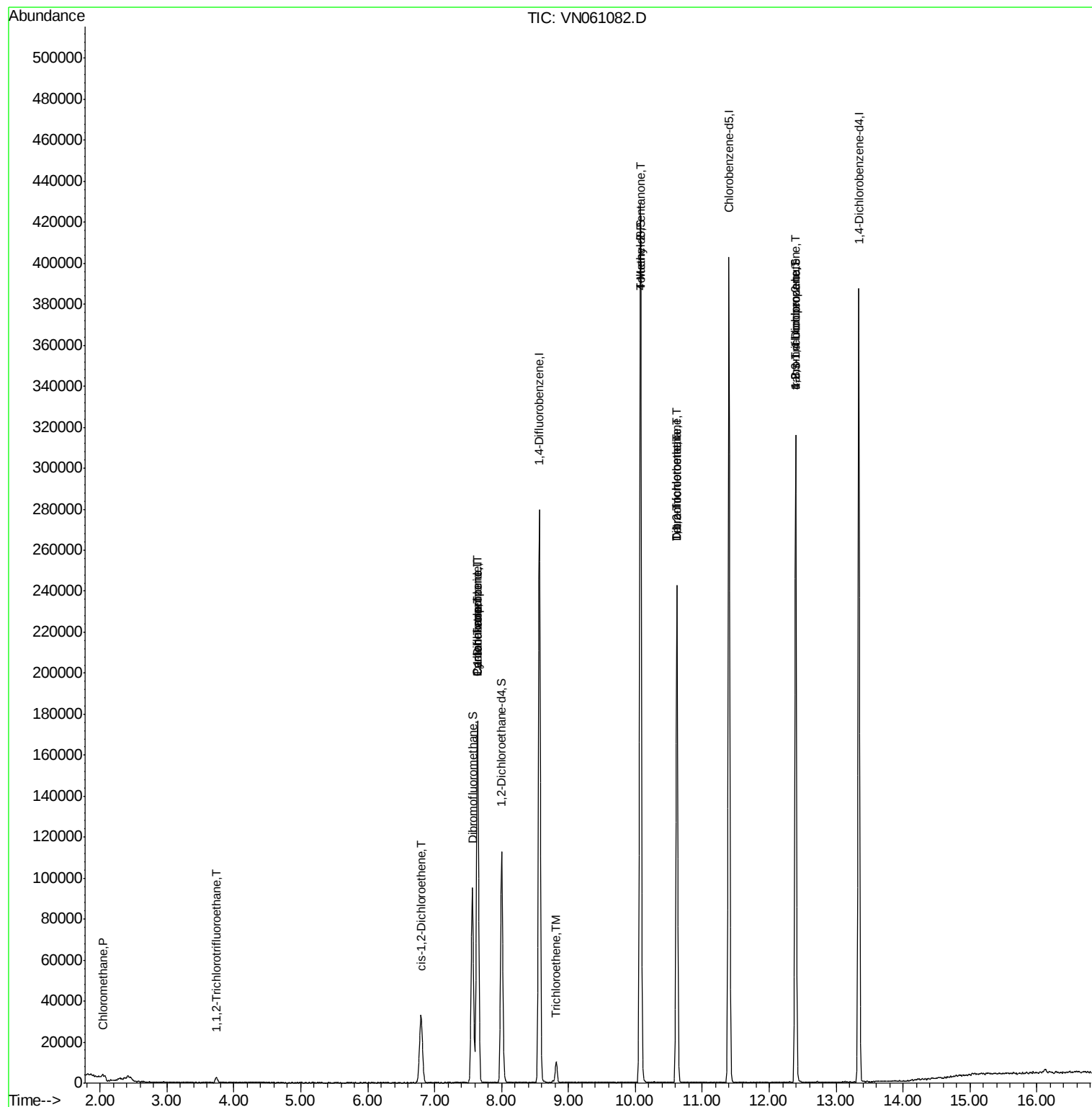
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	560	0.221	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	1956	1.272	ug/l	95
27) cis-1,2-Dichloroethene	6.80	96	21250	11.074	ug/l	90
31) Cyclohexane	7.64	56	3103	0.912	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11675	4.656	ug/l #	50
38) Carbon Tetrachloride	7.64	117	14080	6.746	ug/l #	15
44) Trichloroethene	8.81	130	3725	1.993	ug/l	92
51) 4-Methyl-2-Pentanone	10.07	43	1388	0.544	ug/l #	1
55) 1,1,2-Trichloroethane	10.62	97	417	0.247	ug/l #	13
60) Dibromochloromethane	10.62	129	52502	30.265	ug/l #	10
64) Tetrachloroethene	10.62	164	56470	32.416	ug/l	99
76) 1,2,3-Trichloropropane	12.39	75	56618	25.761	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.39	75	56618	63.541	ug/l #	12

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061082.D

Acq: 18 Apr 2020 3:52

Instrument :

MSVOA_N

ClientSampleId :

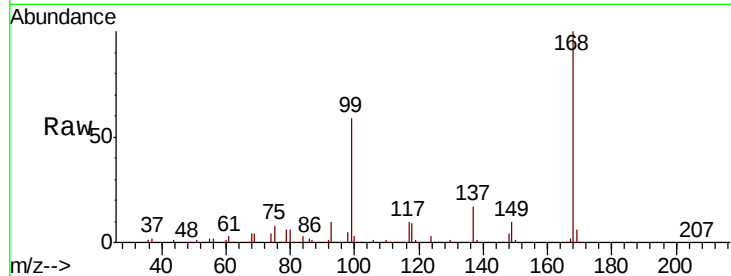
ST008MW026-200415

Tot Ion:168 Resp: 142805

Ion Ratio Lower Upper

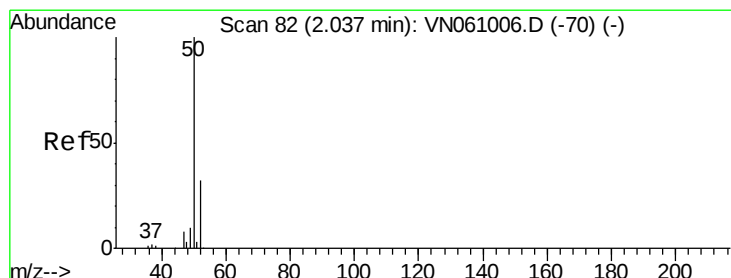
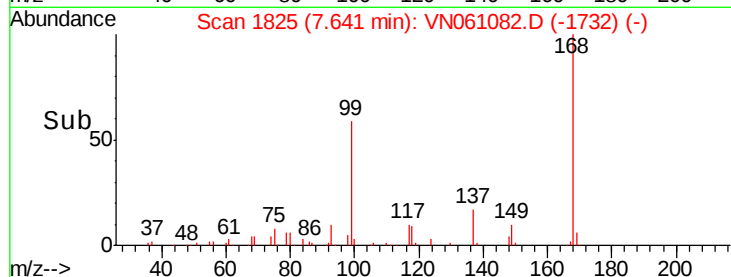
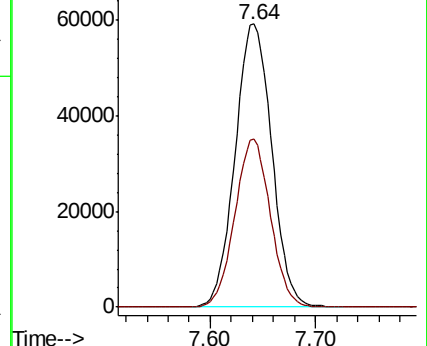
168 100

99 59.5 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#3

Chloromethane

Concen: 0.221 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN061082.D

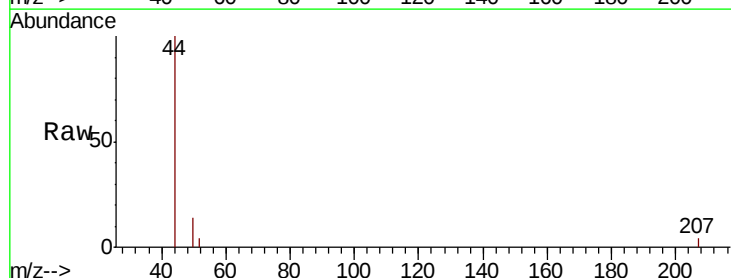
Acq: 18 Apr 2020 3:52

Tgt Ion: 50 Resp: 560

Ion Ratio Lower Upper

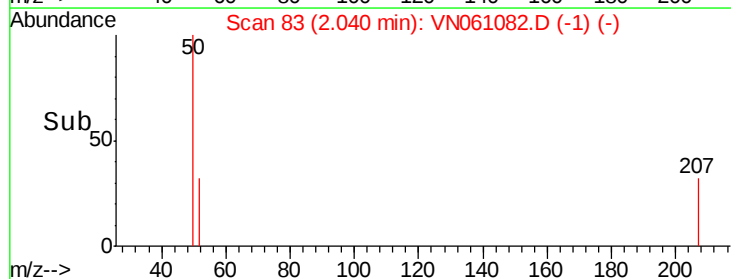
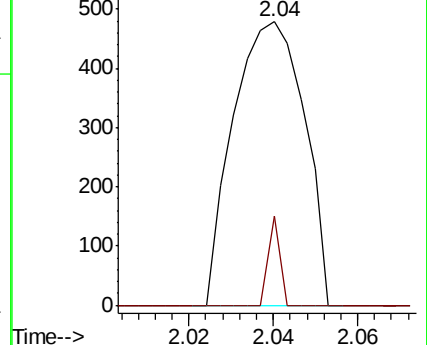
50 100

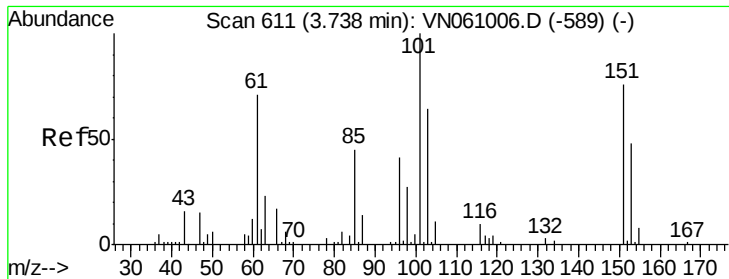
52 31.6 25.6 38.4



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: 1.272 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN061082.D

Acq: 18 Apr 2020 3:52

Instrument :

MSVOA_N

ClientSampleId :

ST008MW026-200415

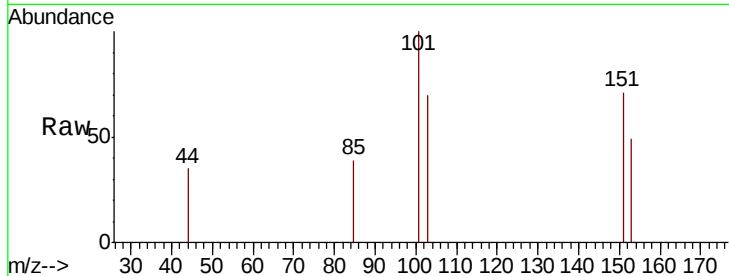
Tot Ion:101 Resp: 1956

Ion Ratio Lower Upper

101 100

85 37.3 35.9 53.9

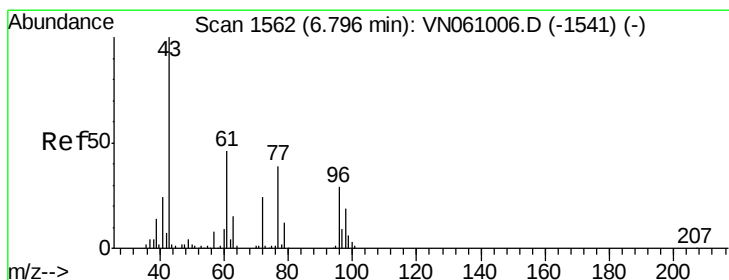
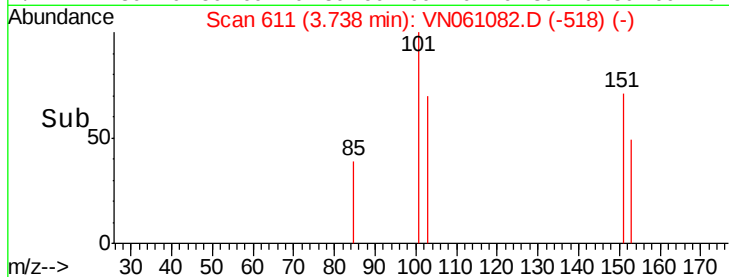
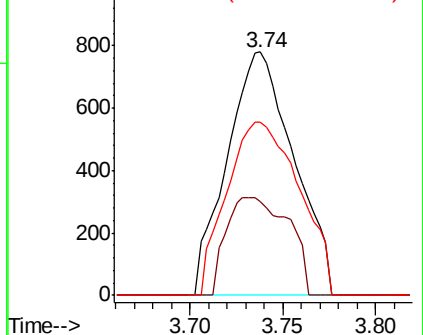
151 77.4 60.8 91.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#27

cis-1,2-Dichloroethene

Concen: 11.074 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN061082.D

Acq: 18 Apr 2020 3:52

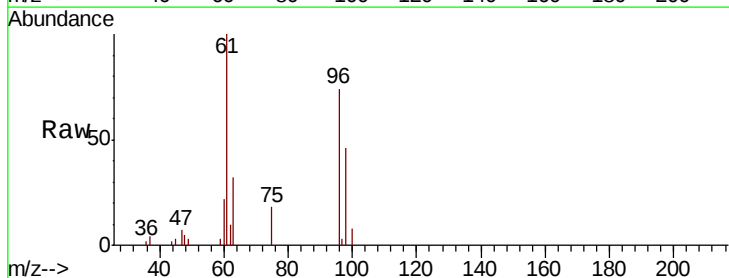
Tgt Ion: 96 Resp: 21250

Ion Ratio Lower Upper

96 100

61 140.4 0.0 317.4

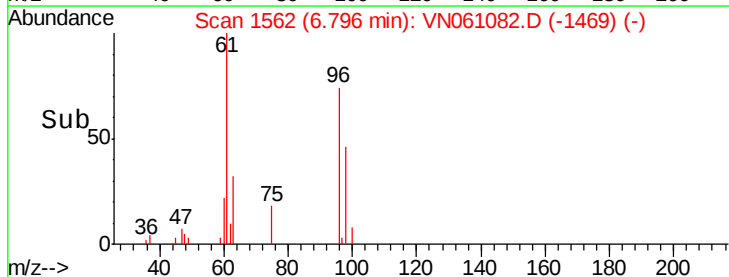
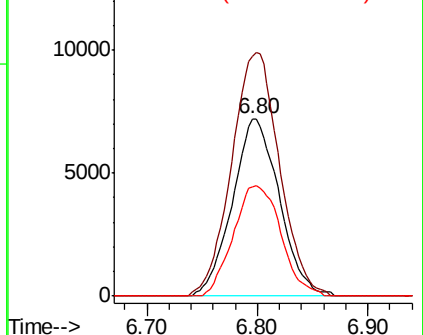
98 63.0 0.0 127.8

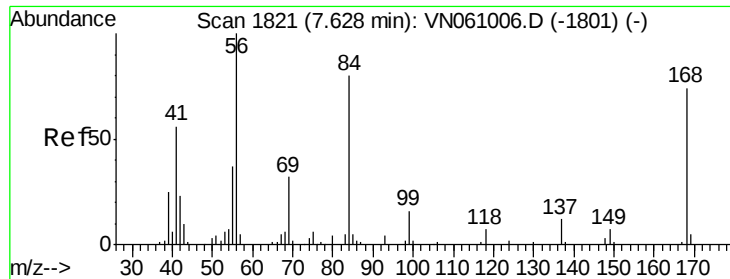


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

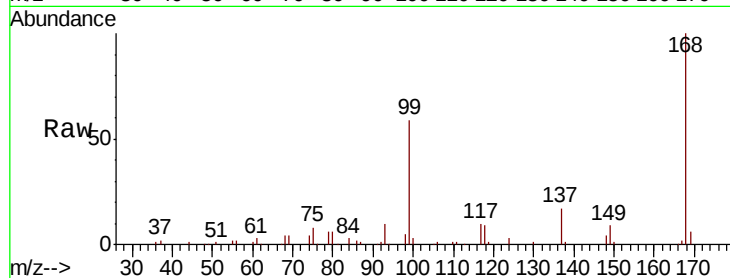




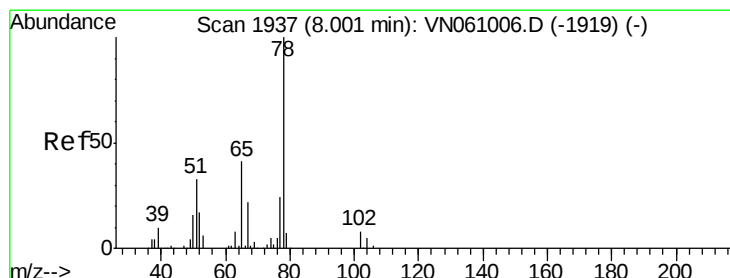
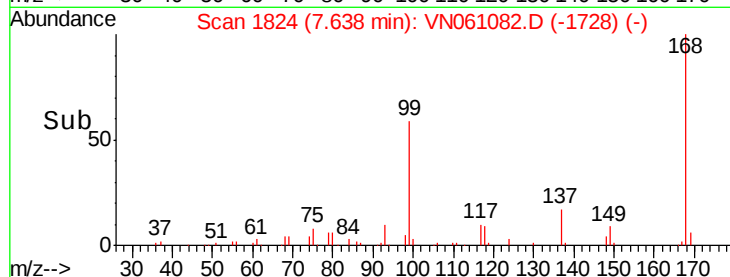
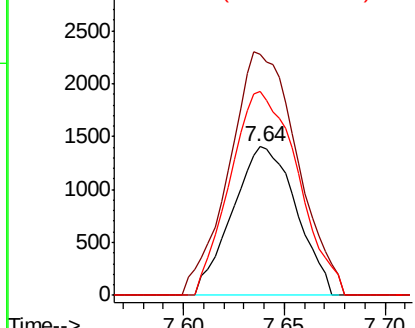
#31
Cyclohexane
Concen: 0.912 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN061082.D
Acq: 18 Apr 2020 3:52

Instrument :
MSVOA_N
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ST008MW026-200415

Tot Ion: 56 Resp: 3103
Ion Ratio Lower Upper
56 100
69 149.9 25.6 38.4#
84 137.3 63.4 95.2#

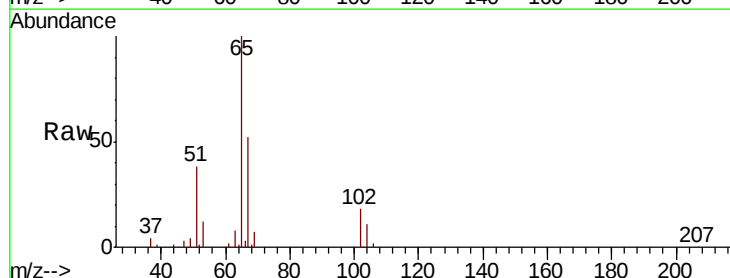


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

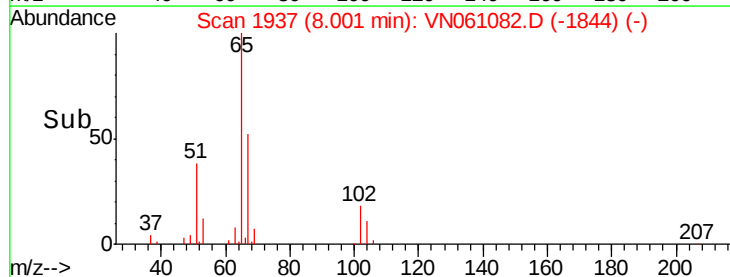
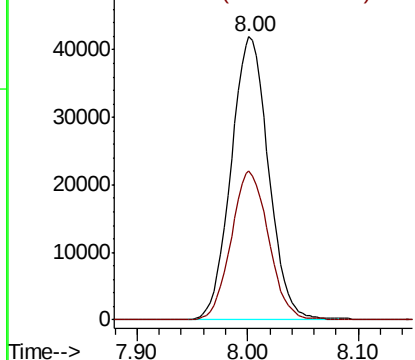


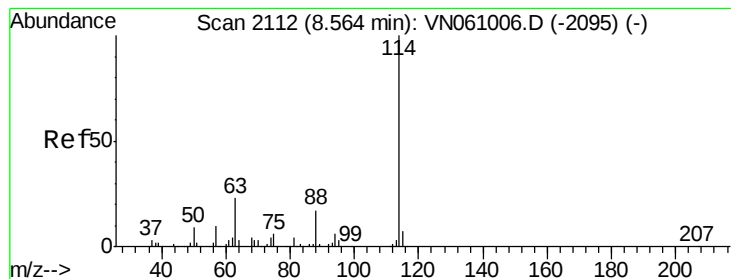
#33
1,2-Dichloroethane-d4
Concen: 53.916 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061082.D
Acq: 18 Apr 2020 3:52

Tgt Ion: 65 Resp: 98510
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.0



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: 8.56 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VN061082.D

Acq: 18 Apr 2020 3:52

Instrument :

MSVOA_N

ClientSampleId :

ST008MW026-200415

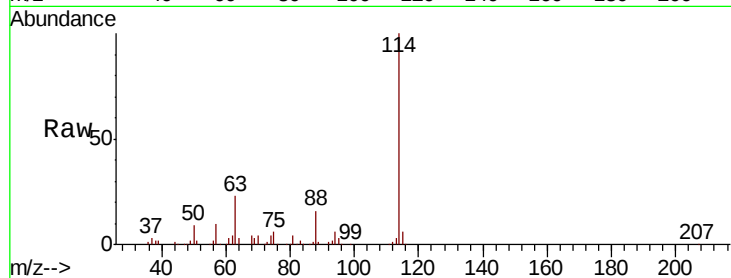
Tot Ion:114 Resp: 242984

Ion Ratio Lower Upper

114 100

63 22.9 0.0 46.2

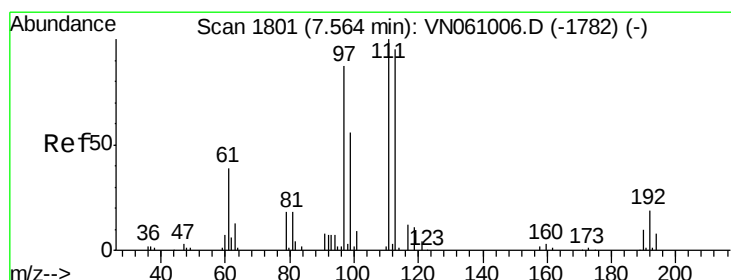
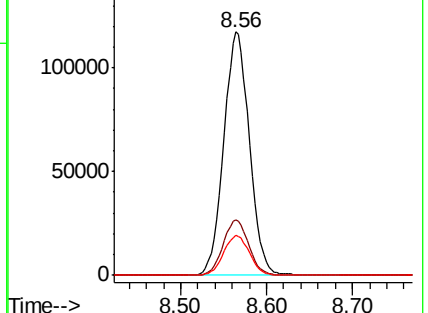
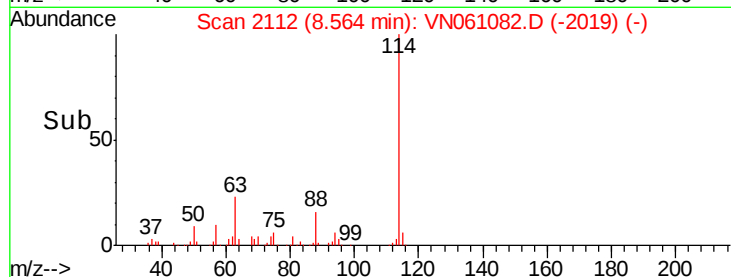
88 16.3 0.0 33.4



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: 51.465 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN061082.D

Acq: 18 Apr 2020 3:52

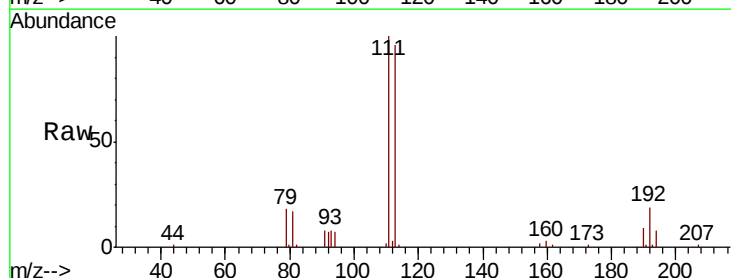
Tgt Ion:113 Resp: 73028

Ion Ratio Lower Upper

113 100

111 103.4 83.4 125.2

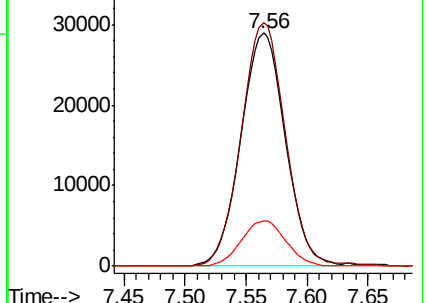
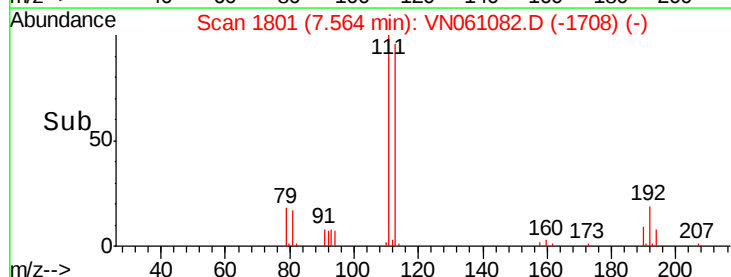
192 19.5 15.5 23.3

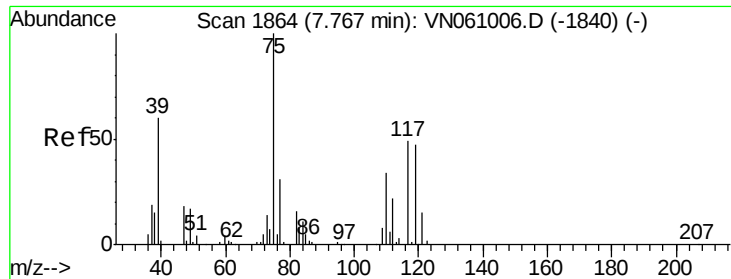


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

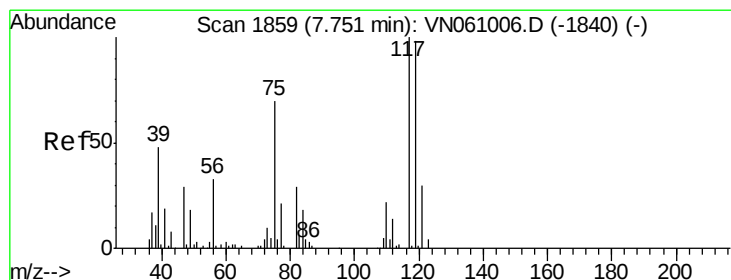
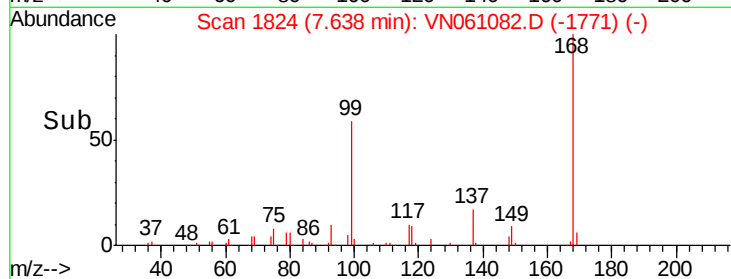
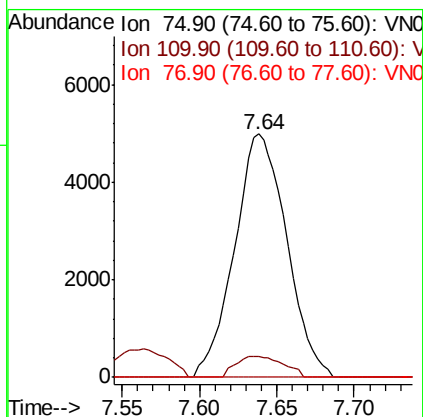
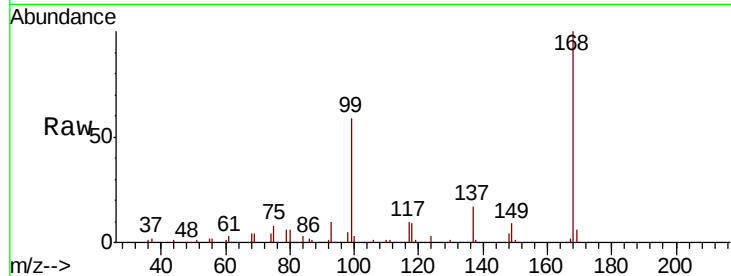




#36
 1,1-Dichloropropene
 Concen: 4.656 ug/l
 RT: 7.64 min Scan# 1824
 Delta R.T. -0.13 min
 Lab File: VN061082.D
 Acq: 18 Apr 2020 3:52

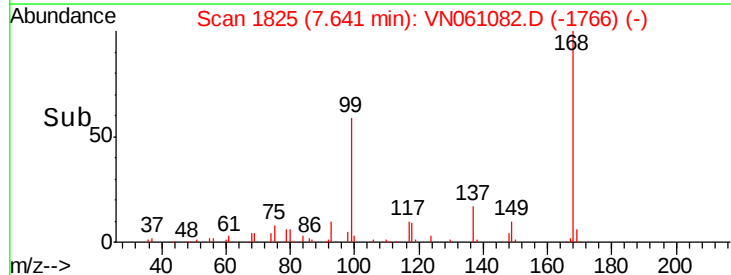
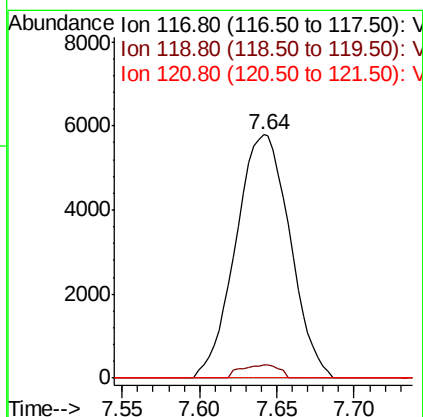
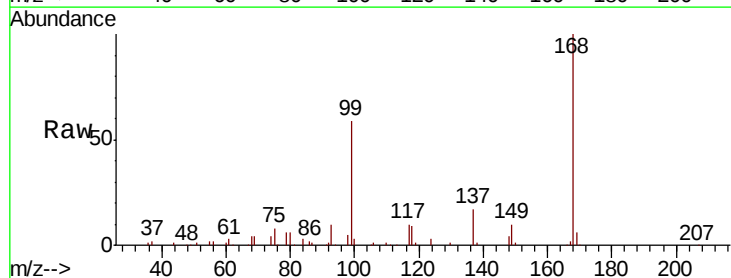
Instrument :
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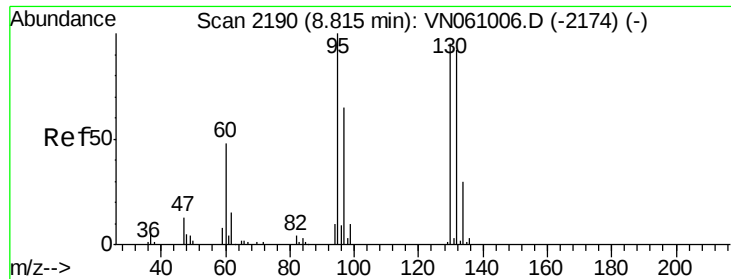
Tot Ion	75	Resp	11675
Ion Ratio	100	Lower	Upper
75	100		
110	7.8	16.8	50.3#
77	0.0	24.7	37.1#



#38
 Carbon Tetrachloride
 Concen: 6.746 ug/l
 RT: 7.64 min Scan# 1825
 Delta R.T. -0.11 min
 Lab File: VN061082.D
 Acq: 18 Apr 2020 3:52

Tgt Ion	117	Resp	14080
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
117	100		
119	5.4	78.1	117.1#
121	0.0	24.0	36.0#





#44

Trichloroethene

Concen: 1.993 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VN061082.D

Acq: 18 Apr 2020 3:52

Instrument :

MSVOA_N

ClientSampleId :

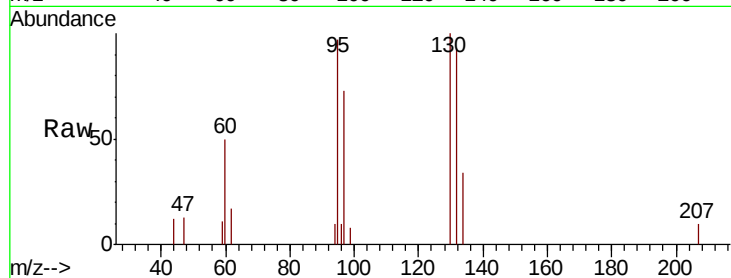
ST008MW026-200415

Tot Ion:130 Resp: 3725

Ion Ratio Lower Upper

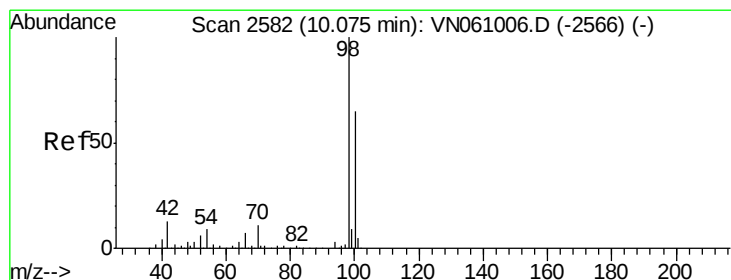
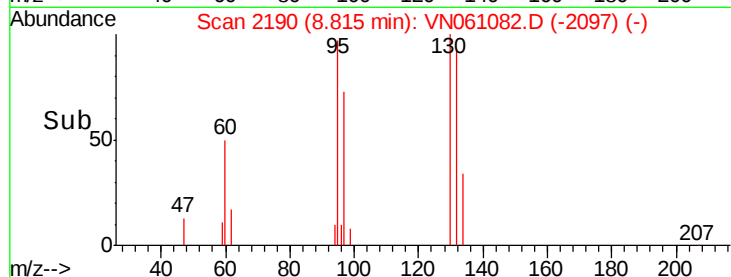
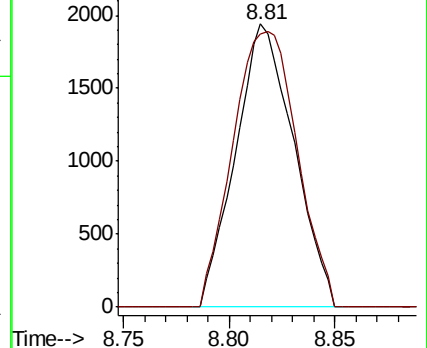
130 100

95 96.5 0.0 210.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VN



#50

Toluene-d8

Concen: 55.663 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061082.D

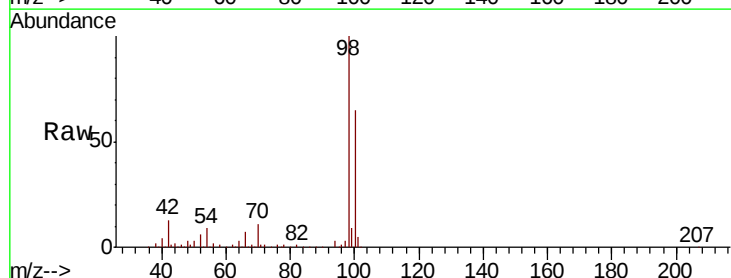
Acq: 18 Apr 2020 3:52

Tgt Ion: 98 Resp: 298468

Ion Ratio Lower Upper

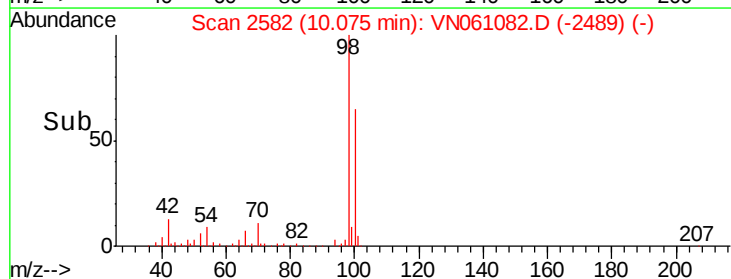
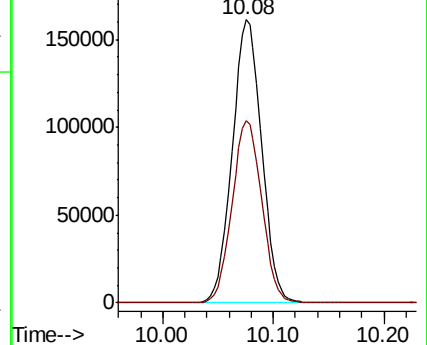
98 100

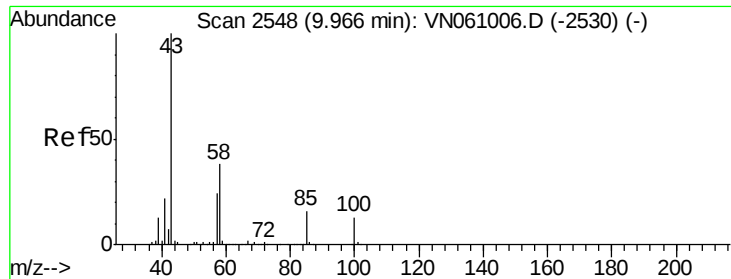
100 64.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.544 ug/l

RT: 10.07 min Scan# 2581

Delta R.T. 0.11 min

Lab File: VN061082.D

Acq: 18 Apr 2020 3:52

Instrument :

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ClientSampleId :

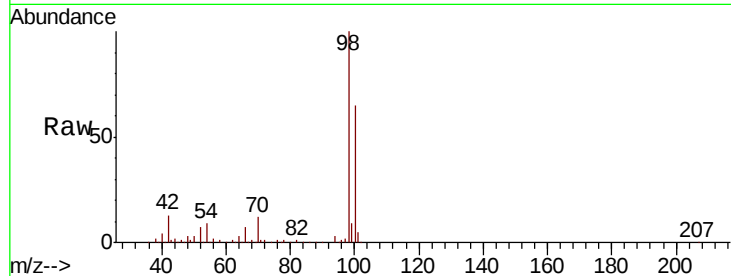
ST008MW026-200415

Tot Ion: 43 Resp: 1388

Ion Ratio Lower Upper

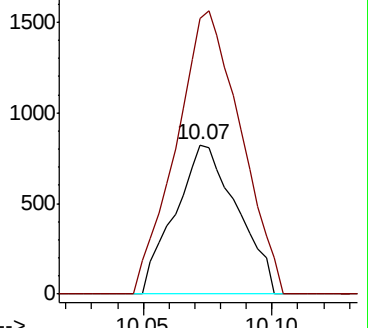
43 100

58 196.5 30.3 45.5#

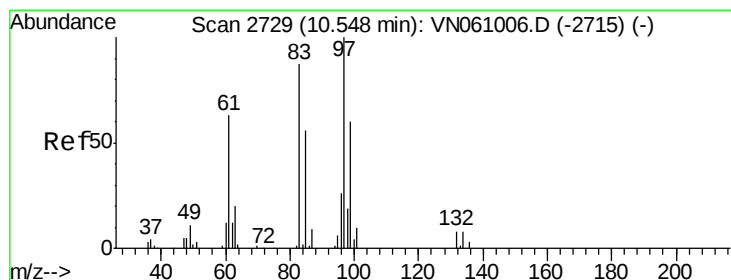
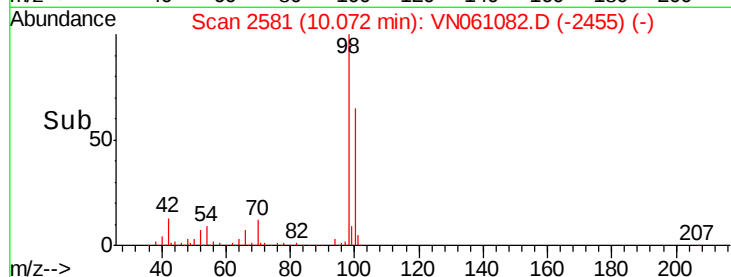


Abundance Ion 43.00 (42.70 to 43.70): VN061006.D (-2530) (-)

Ion 58.00 (57.70 to 58.70): VN061006.D (-2530) (-)



Time-->



#55

1,1,2-Trichloroethane

Concen: 0.247 ug/l

RT: 10.62 min Scan# 2750

Delta R.T. 0.07 min

Lab File: VN061082.D

Acq: 18 Apr 2020 3:52

Tgt Ion: 97 Resp: 417

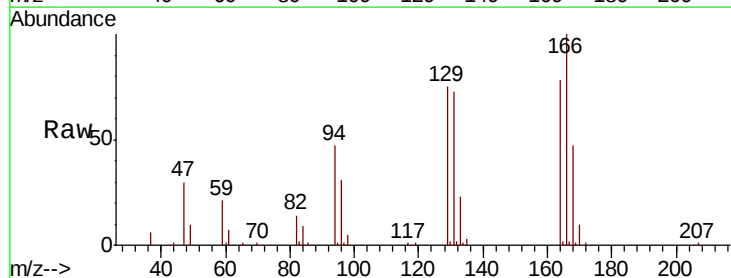
Ion Ratio Lower Upper

97 100

83 179.2 69.5 104.3#

85 0.0 45.0 67.4#

99 0.0 47.9 71.9#

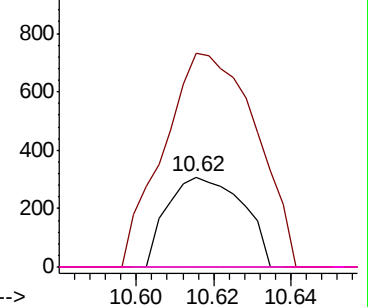


Abundance Ion 96.90 (96.60 to 97.60): VN061006.D (-2715) (-)

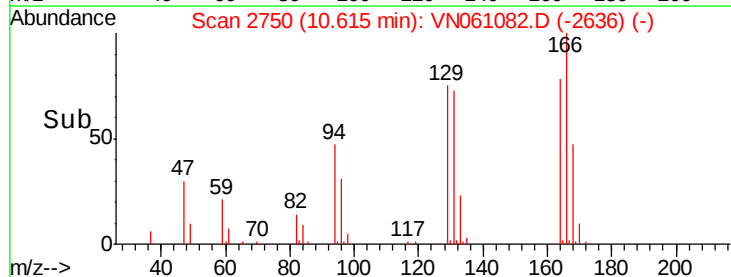
Ion 82.90 (82.60 to 83.60): VN061006.D (-2715) (-)

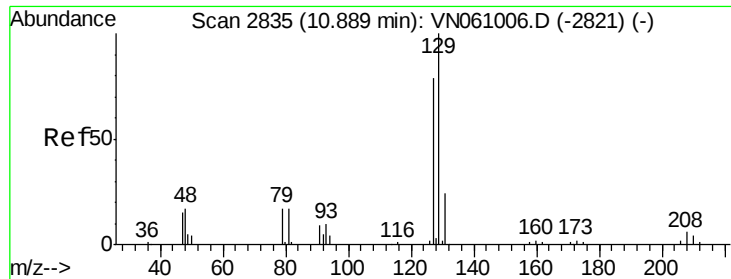
Ion 84.90 (84.60 to 85.60): VN061006.D (-2715) (-)

Ion 98.90 (98.60 to 99.60): VN061006.D (-2715) (-)



Time-->

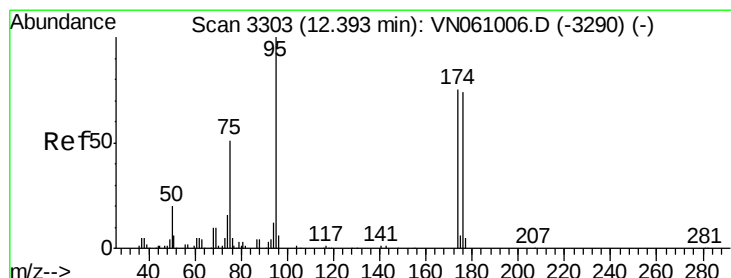
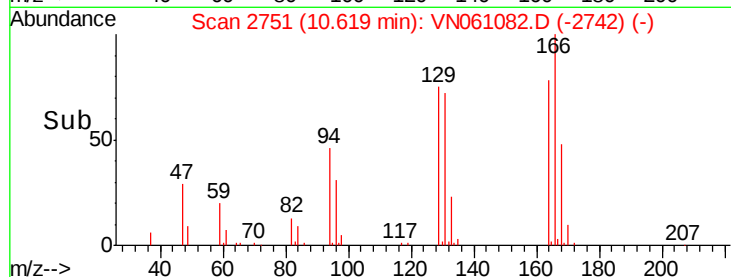
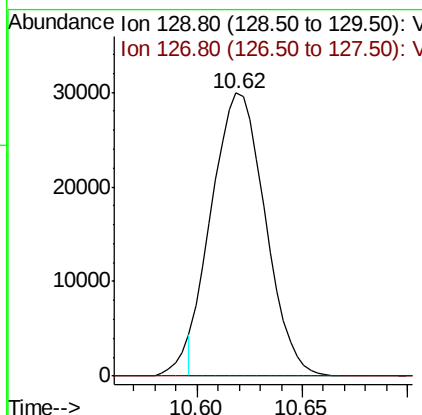
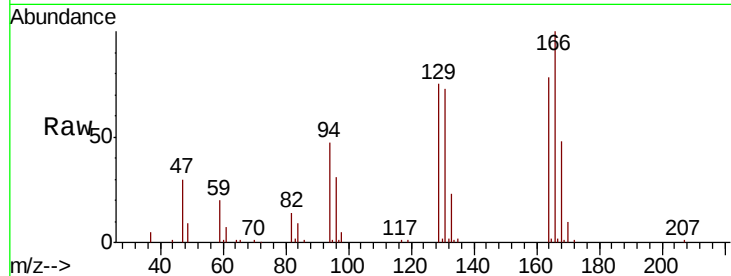




#60
 Dibromochloromethane
 Concen: 30.265 ug/l
 RT: 10.62 min Scan# 2751
 Delta R.T. -0.27 min
 Lab File: VN061082.D
 Acq: 18 Apr 2020 3:52

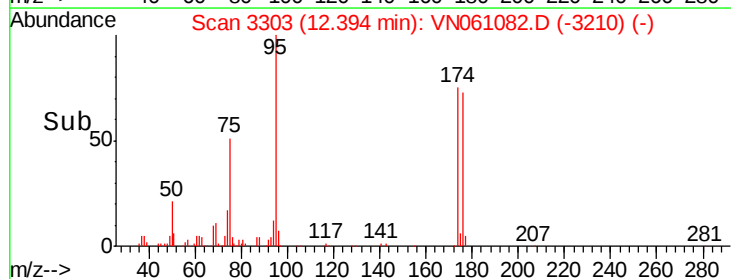
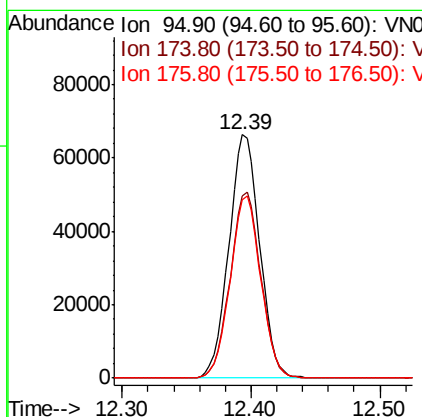
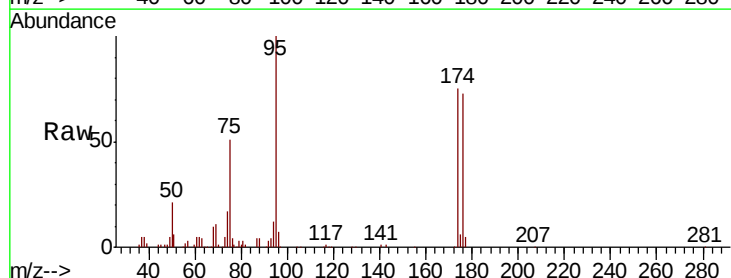
Instrument :
 MSVOA_N
 ClientSampleId :
 ST008MW026-200415

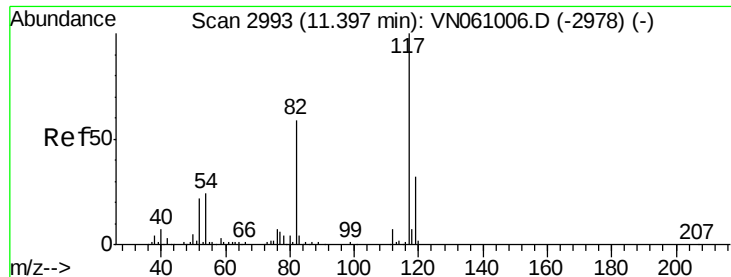
Tot Ion:129 Resp: 52502
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.0 116.9#



#62
 4-Bromofluorobenzene
 Concen: 52.293 ug/l
 RT: 12.39 min Scan# 3303
 Delta R.T. 0.00 min
 Lab File: VN061082.D
 Acq: 18 Apr 2020 3:52

Tgt Ion: 95 Resp: 109897
 Ion Ratio Lower Upper
 95 100
 174 76.2 0.0 151.2
 176 74.4 0.0 148.2

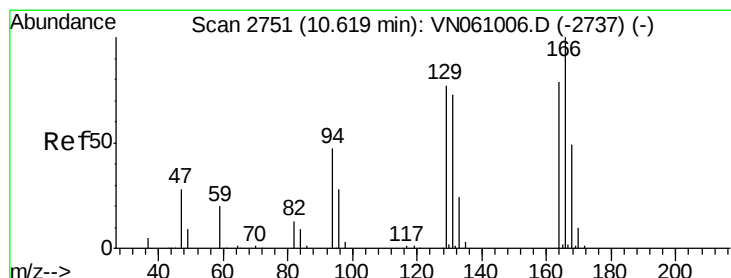
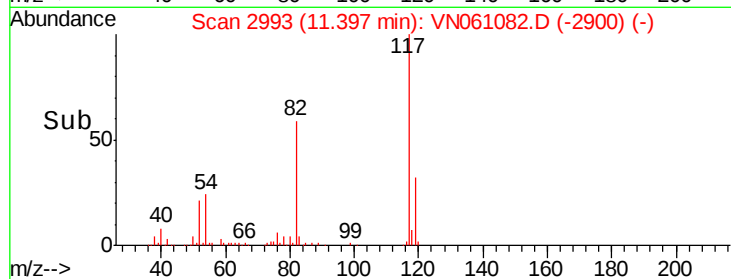
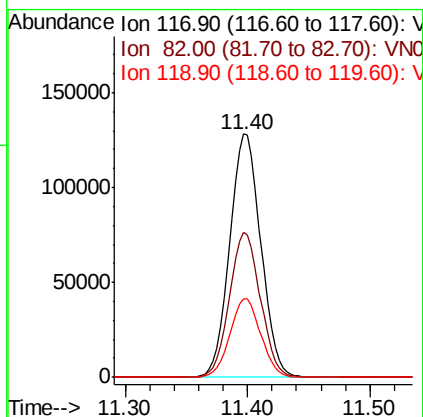
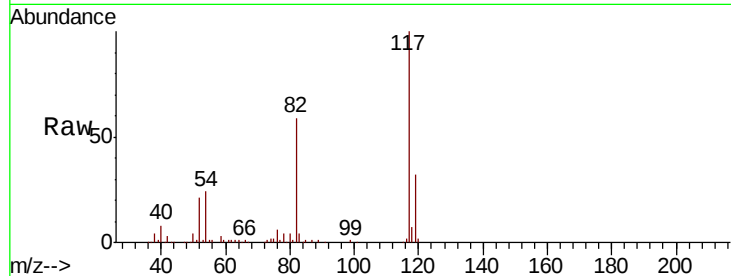




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2993
Delta R.T. 0.00 min
Lab File: VN061082.D
Acq: 18 Apr 2020 3:52

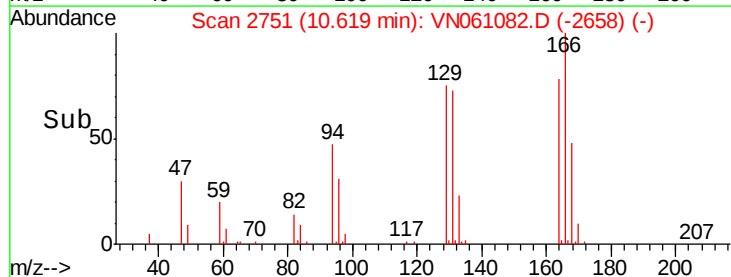
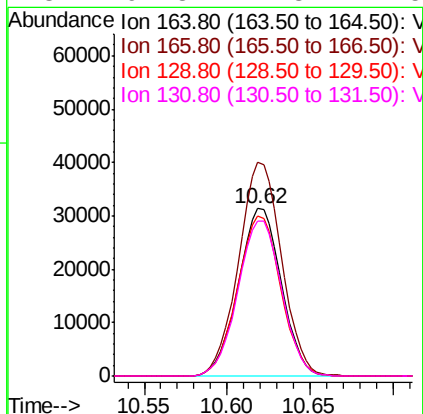
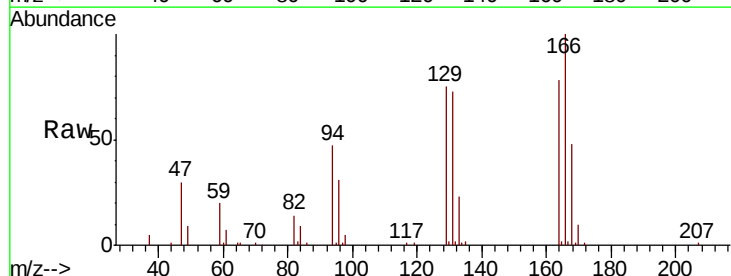
Instrument :
MSVOA_N
ClientSampleId :
ST008MW026-200415

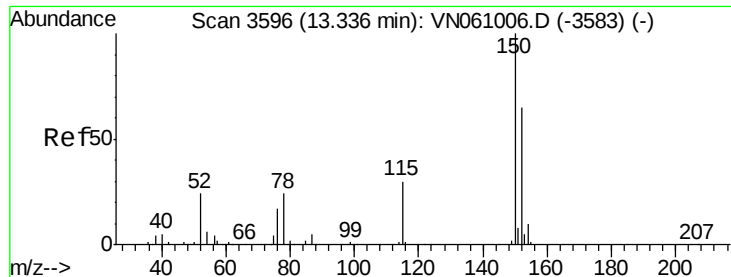
Tot Ion:117 Resp: 227652
Ion Ratio Lower Upper
117 100
82 59.4 47.1 70.7
119 32.5 25.7 38.5



#64
Tetrachloroethene
Concen: 32.416 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061082.D
Acq: 18 Apr 2020 3:52

Tgt Ion:164 Resp: 56470
Ion Ratio Lower Upper
164 100
166 127.6 101.6 152.4
129 95.4 78.5 117.7
131 92.8 74.3 111.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061082.D

Acq: 18 Apr 2020 3:52

Instrument :

MSVOA_N

ClientSampleId :

ST008MW026-200415

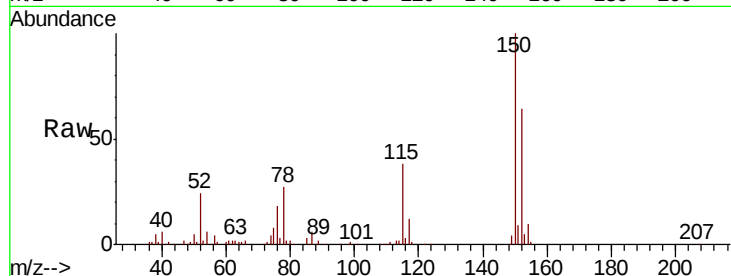
Tot Ion:152 Resp: 99921

Ion Ratio Lower Upper

152 100

115 61.2 30.8 92.4

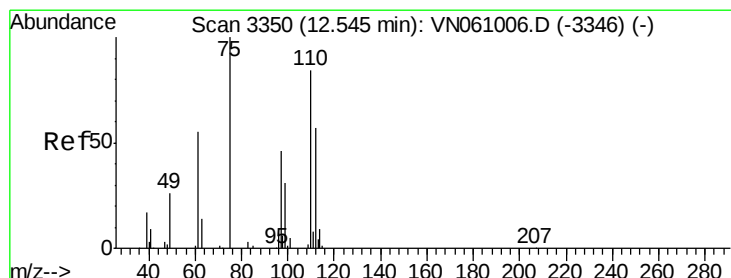
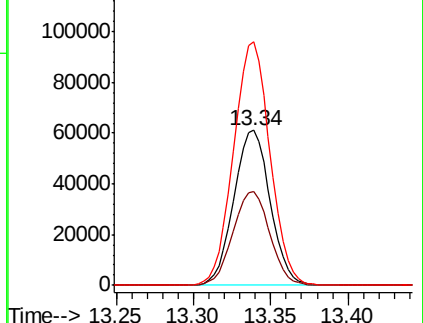
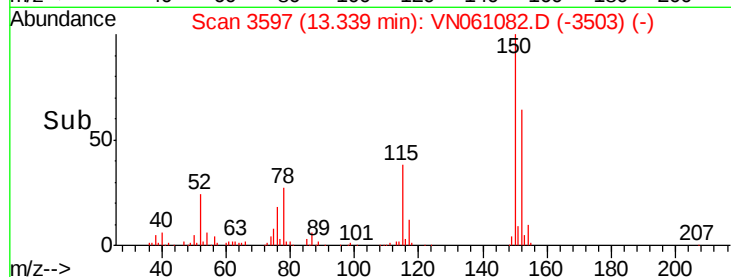
150 157.0 0.0 349.0



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



#76

1,2,3-Trichloropropane

Concen: 25.761 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. -0.15 min

Lab File: VN061082.D

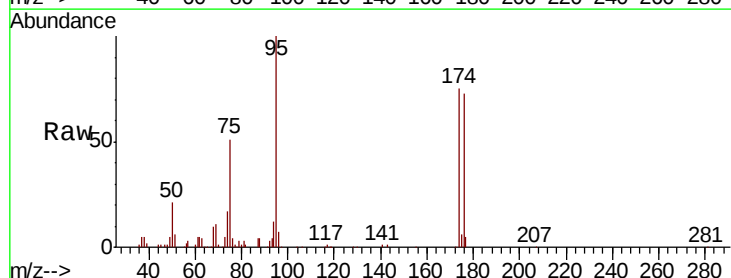
Acq: 18 Apr 2020 3:52

Tgt Ion: 75 Resp: 56618

Ion Ratio Lower Upper

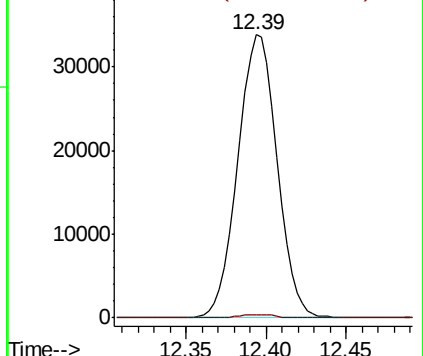
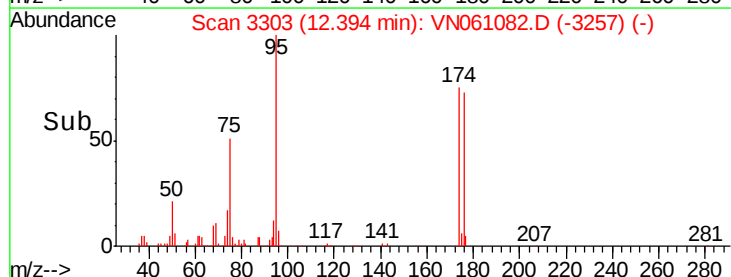
75 100

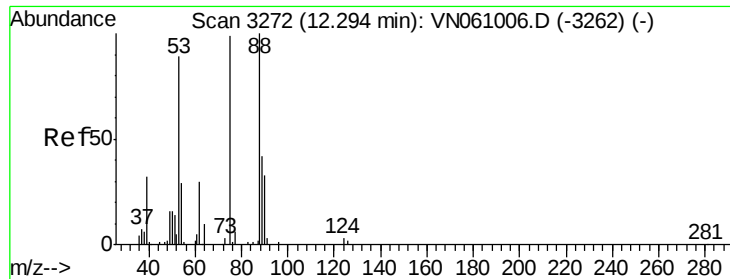
77 1.0 0.0 0.0#



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: 63.541 ug/l

RT: 12.39 min Scan# 3303

Delta R.T. 0.10 min

Lab File: VN061082.D

Acq: 18 Apr 2020 3:52

Instrument :

MSVOA_N

ClientSampleId :

ST008MW026-200415

Tot Ion: 75 Resp: 56618

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 34.6 52.0#

