

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN041720\
 Data File : VN061085.D
 Acq On : 18 Apr 2020 5:00
 Operator : JC/MD
 Sample : L2334-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 20 01:42:34 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	143740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	245871	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	233507	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	102768	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	99112	53.89	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.78%	
35) Dibromofluoromethane	7.56	113	73829	51.42	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.84%	
50) Toluene-d8	10.08	98	303492	55.93	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	111.86%	
62) 4-Bromofluorobenzene	12.40	95	112821	53.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.10%	

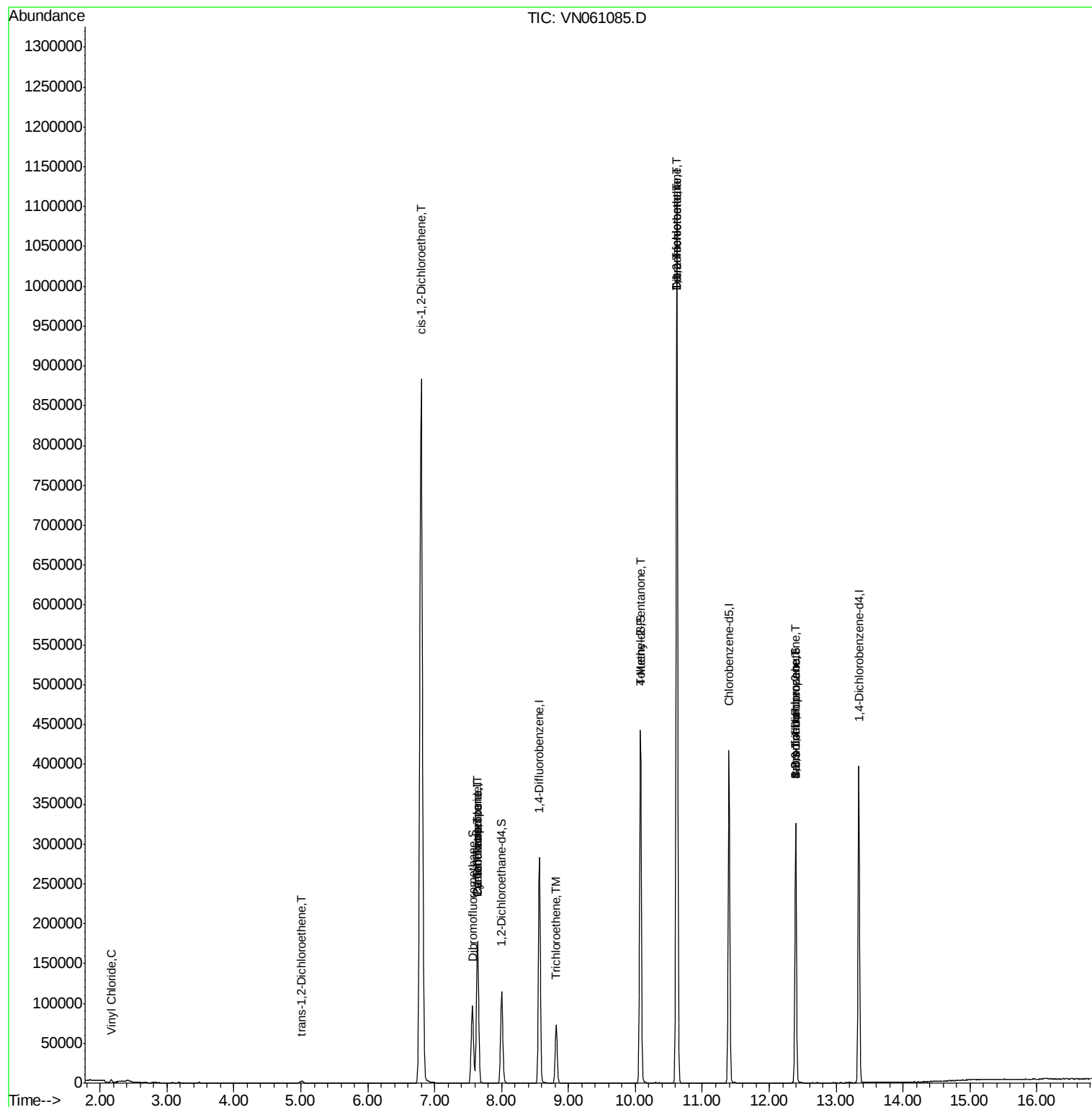
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.17	62	3274	1.545	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	1922	1.142	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	576024	298.225	ug/l	89
31) Cyclohexane	7.64	56	3269	0.954	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	11658	4.595	ug/l #	50
38) Carbon Tetrachloride	7.64	117	14065	6.660	ug/l #	15
44) Trichloroethene	8.81	130	26644	14.088	ug/l	98
51) 4-Methyl-2-Pentanone	10.07	43	1520	0.588	ug/l #	1
55) 1,1,2-Trichloroethane	10.62	97	2187	1.280	ug/l #	1
60) Dibromochloromethane	10.62	129	240764	137.158	ug/l #	10
64) Tetrachloroethene	10.62	164	255277	142.866	ug/l	99
71) Bromoform	12.39	173	448	0.348	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	58325	25.802	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	58325	63.643	ug/l #	12

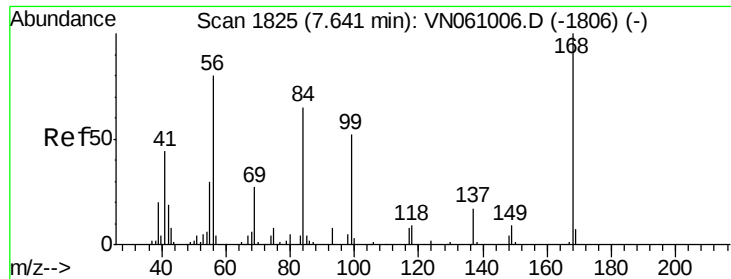
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Apr 17 03:49:39 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN061085.D

Acq: 18 Apr 2020 5:00

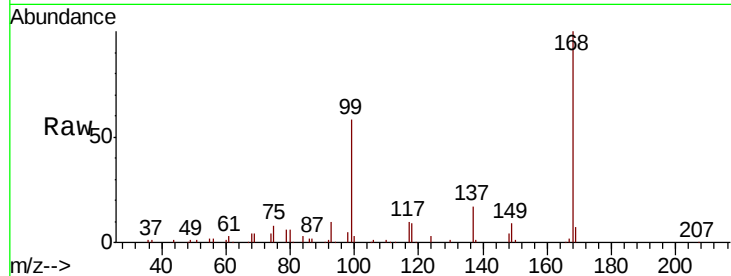
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 143740

Ion Ratio Lower Upper

168 100

99 57.5 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

60000

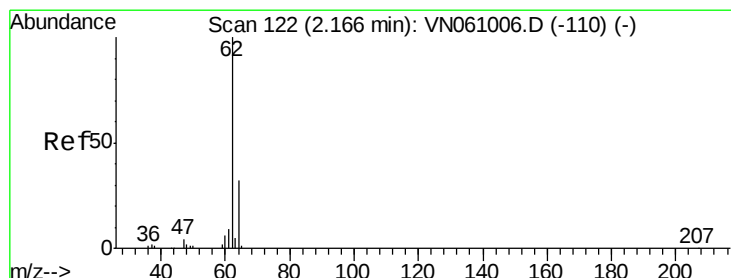
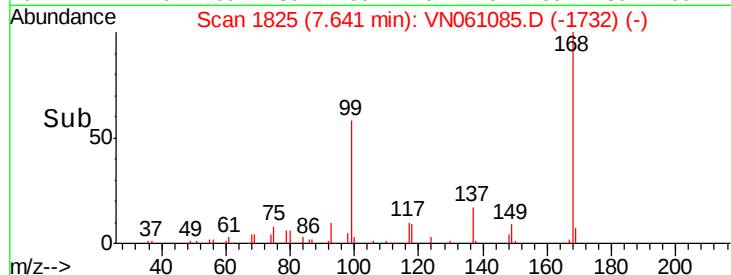
40000

20000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#4

Vinyl Chloride

Concen: 1.545 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN061085.D

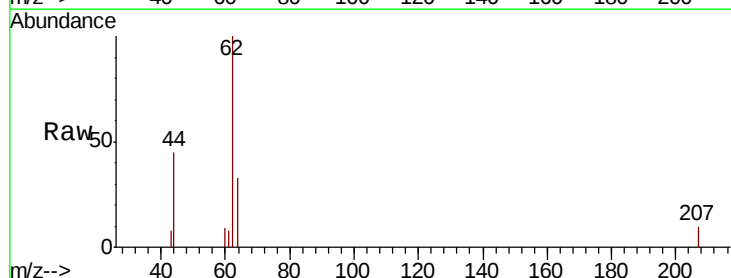
Acq: 18 Apr 2020 5:00

Tgt Ion: 62 Resp: 3274

Ion Ratio Lower Upper

62 100

64 33.0 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VN

Ion 63.90 (63.60 to 64.60): VN

2500

2000

1500

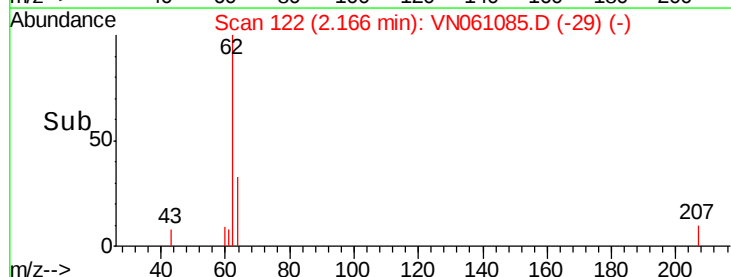
1000

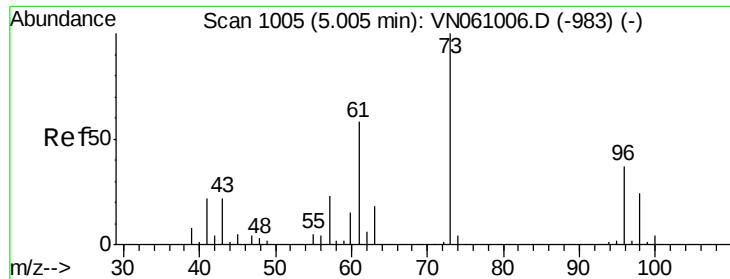
500

0

2.15 2.20

Time-->

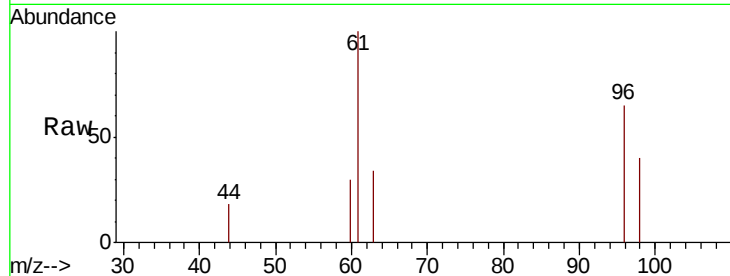




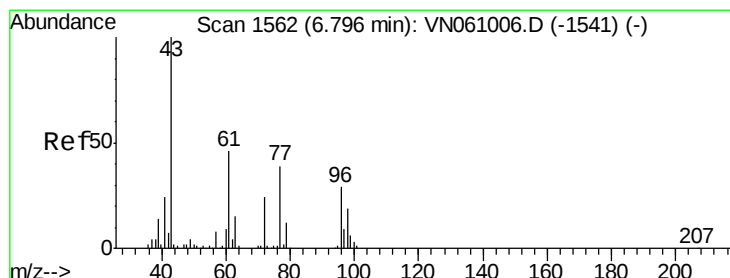
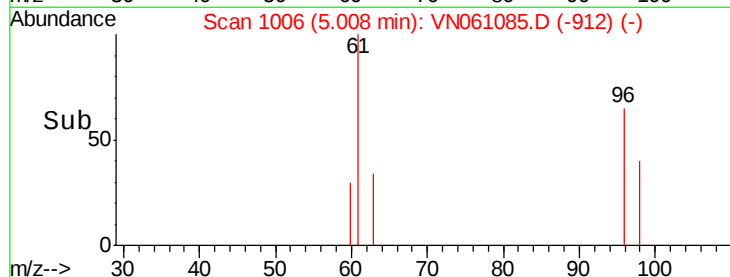
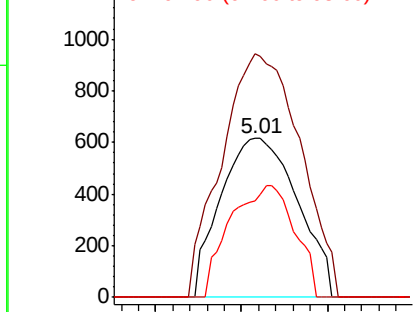
#21
trans-1,2-Dichloroethene
Concen: 1.142 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN061085.D
Acq: 18 Apr 2020 5:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 1922
Ion Ratio Lower Upper
96 100
61 153.3 124.8 187.2
98 60.7 51.3 76.9

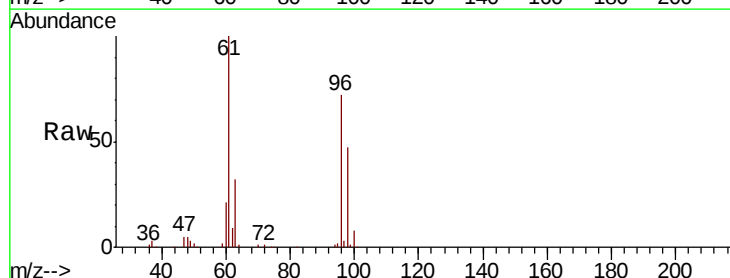


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

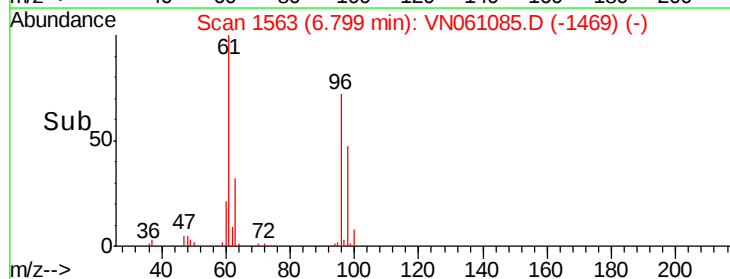
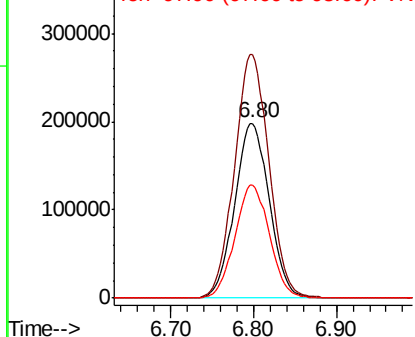


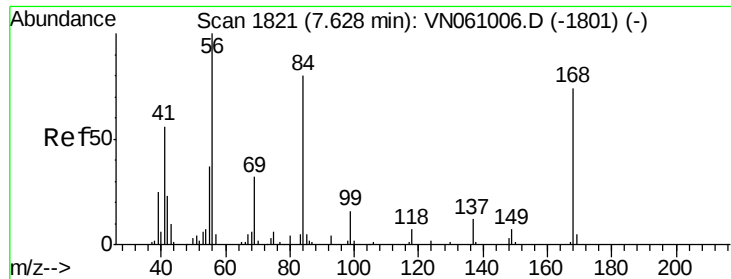
#27
cis-1,2-Dichloroethene
Concen: 298.225 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN061085.D
Acq: 18 Apr 2020 5:00

Tgt Ion: 96 Resp: 576024
Ion Ratio Lower Upper
96 100
61 139.1 0.0 317.4
98 64.5 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

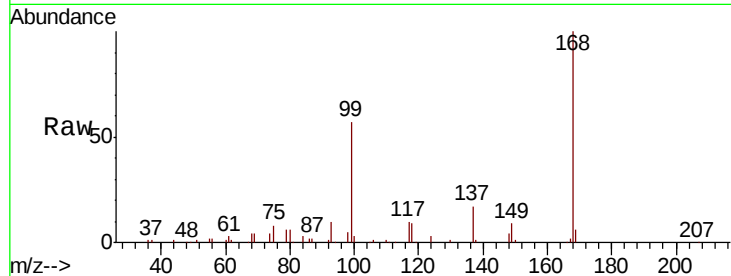




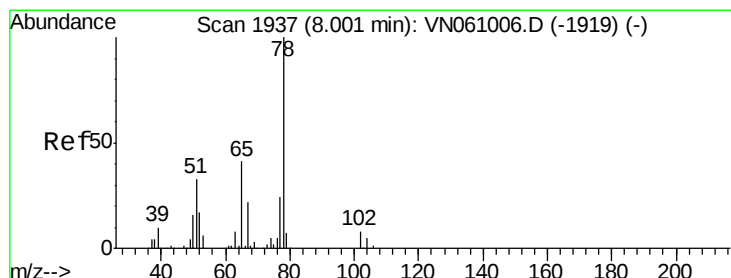
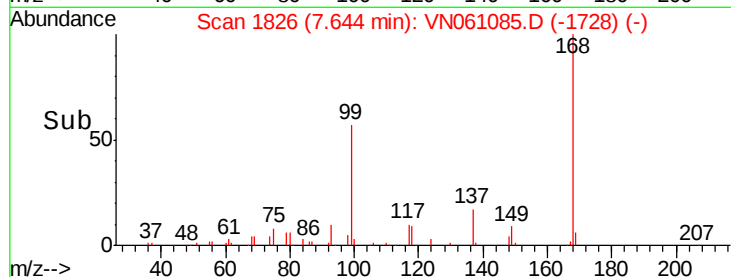
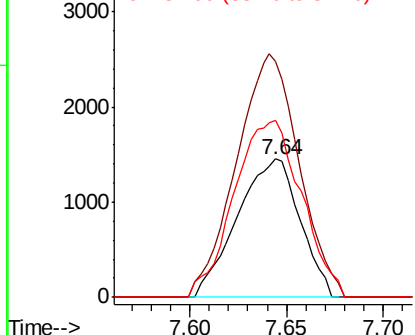
#31
Cyclohexane
Concen: 0.954 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.02 min
Lab File: VN061085.D
Acq: 18 Apr 2020 5:00

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 3269
Ion Ratio Lower Upper
56 100
69 170.7 25.6 38.4#
84 128.1 63.4 95.2#

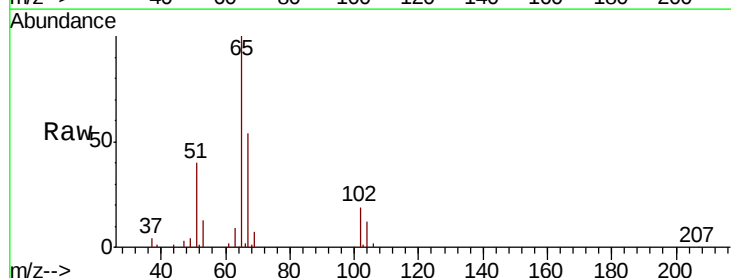


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

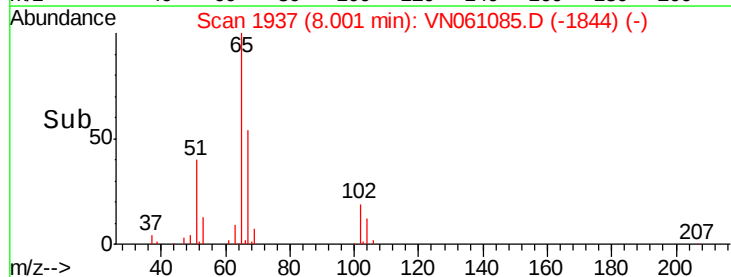
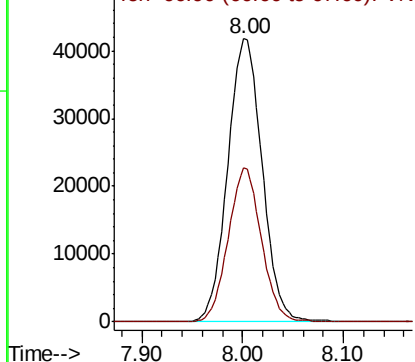


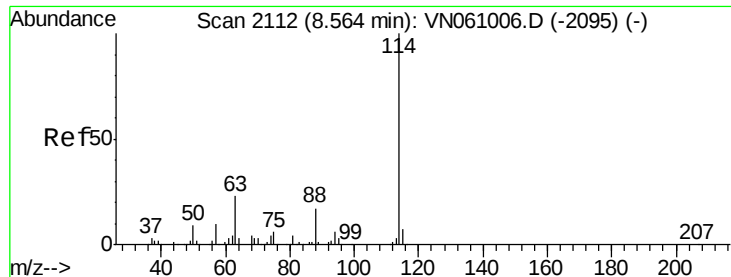
#33
1,2-Dichloroethane-d4
Concen: 53.893 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN061085.D
Acq: 18 Apr 2020 5:00

Tgt Ion: 65 Resp: 99112
Ion Ratio Lower Upper
65 100
67 52.2 0.0 107.0



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

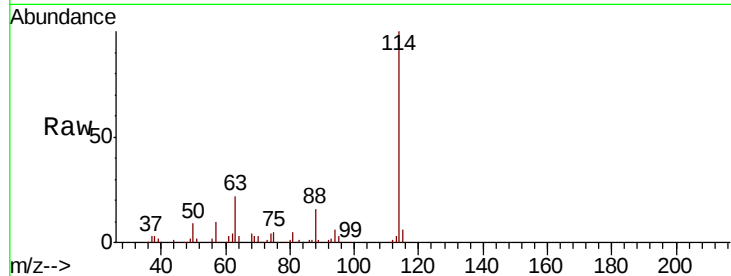




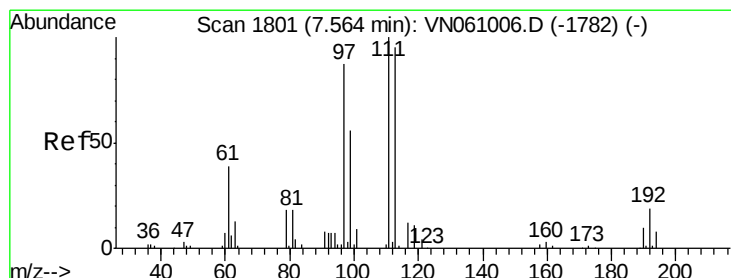
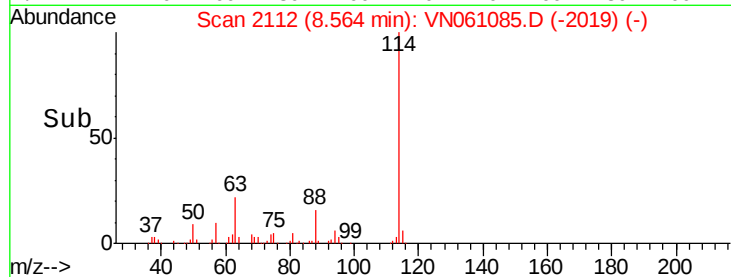
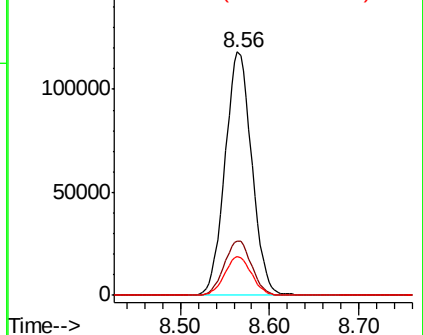
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VN061085.D
 Acq: 18 Apr 2020 5:00

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	46.2
88	15.8	0.0	33.4

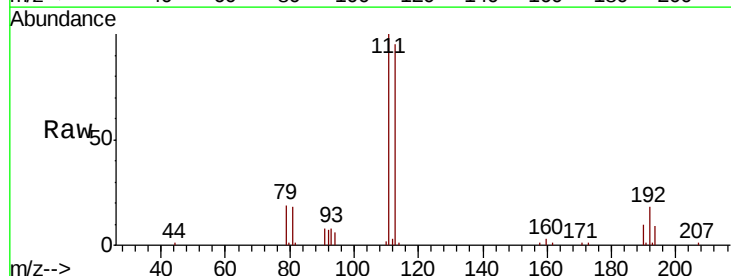


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

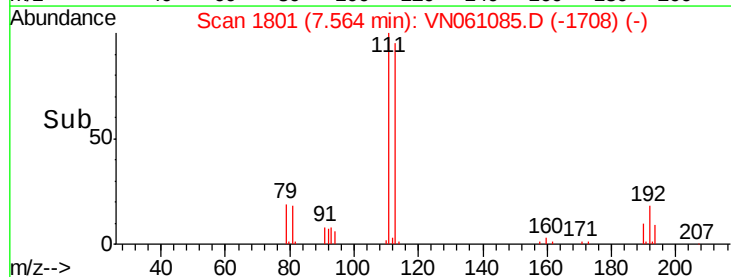
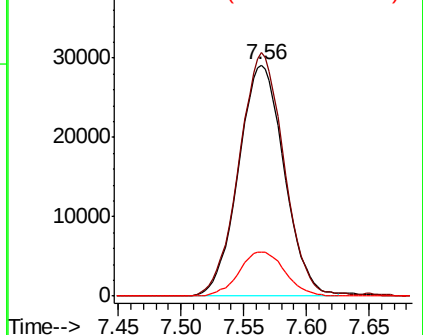


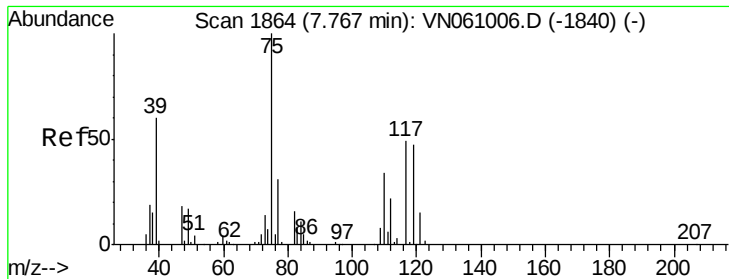
#35
 Dibromofluoromethane
 Concen: 51.418 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. 0.00 min
 Lab File: VN061085.D
 Acq: 18 Apr 2020 5:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	83.4	125.2
192	19.2	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: 4.595 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.12 min

Lab File: VN061085.D

Acq: 18 Apr 2020 5:00

Instrument :

MSVOA_N

ClientSampled :

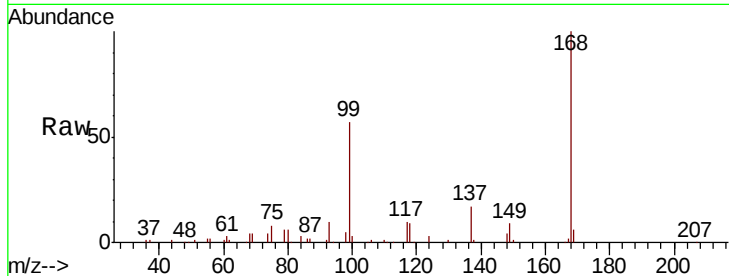
Tot Ion: 75 Resp: 11658

Ion Ratio Lower Upper

75 100

110 7.9 16.8 50.3#

77 0.0 24.7 37.1#

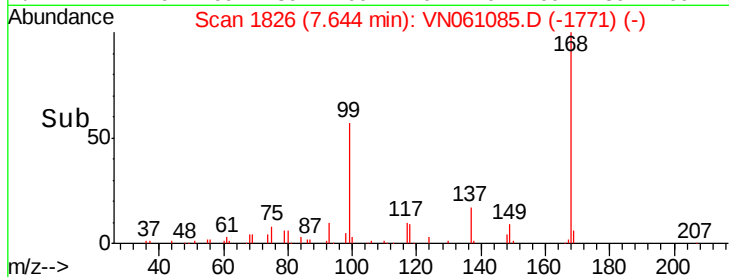


Abundance Ion 74.90 (74.60 to 75.60): VN061006.D (-1840) (-)

Ion 109.90 (109.60 to 110.60): VN061006.D (-1840) (-)

Ion 76.90 (76.60 to 77.60): VN061006.D (-1840) (-)

Time-->

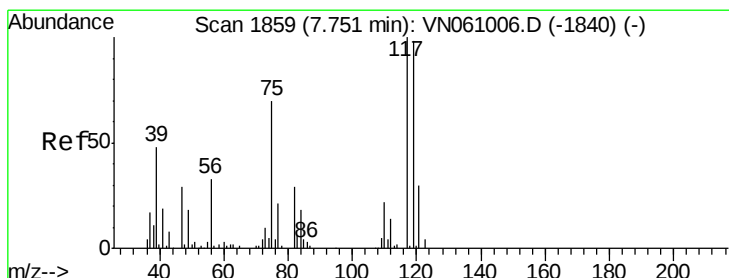


Abundance Ion 74.90 (74.60 to 75.60): VN061085.D (-1771) (-)

Ion 109.90 (109.60 to 110.60): VN061085.D (-1771) (-)

Ion 76.90 (76.60 to 77.60): VN061085.D (-1771) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 6.660 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.11 min

Lab File: VN061085.D

Acq: 18 Apr 2020 5:00

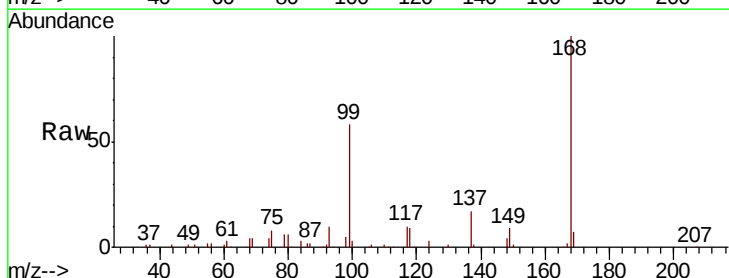
Tgt Ion: 117 Resp: 14065

Ion Ratio Lower Upper

117 100

119 4.6 78.1 117.1#

121 0.0 24.0 36.0#

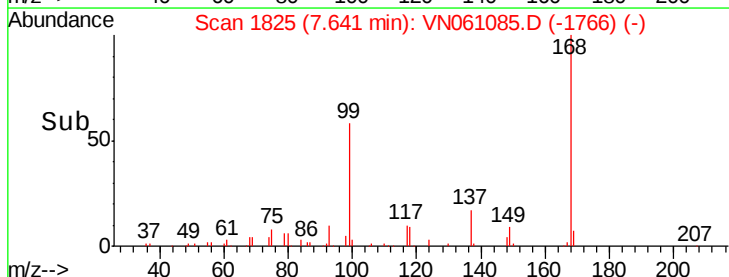


Abundance Ion 116.80 (116.50 to 117.50): VN061006.D (-1840) (-)

Ion 118.80 (118.50 to 119.50): VN061006.D (-1840) (-)

Ion 120.80 (120.50 to 121.50): VN061006.D (-1840) (-)

Time-->

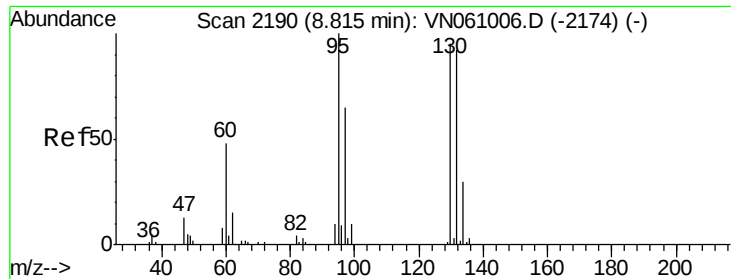


Abundance Ion 116.80 (116.50 to 117.50): VN061085.D (-1766) (-)

Ion 118.80 (118.50 to 119.50): VN061085.D (-1766) (-)

Ion 120.80 (120.50 to 121.50): VN061085.D (-1766) (-)

Time-->



#44

Trichloroethene

Concen: 14.088 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VN061085.D

Acq: 18 Apr 2020 5:00

Instrument :

MSVOA_N

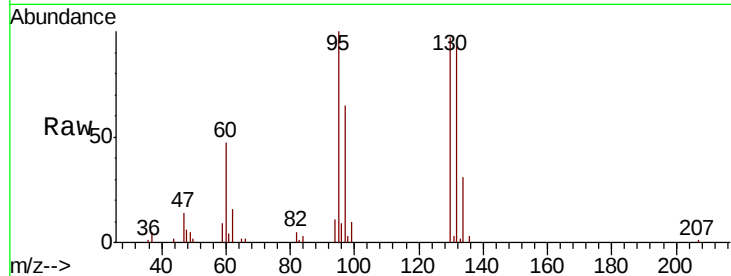
ClientSampleId :

Tot Ion:130 Resp: 26644

Ion Ratio Lower Upper

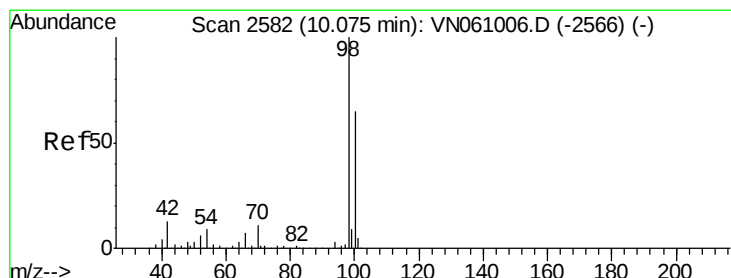
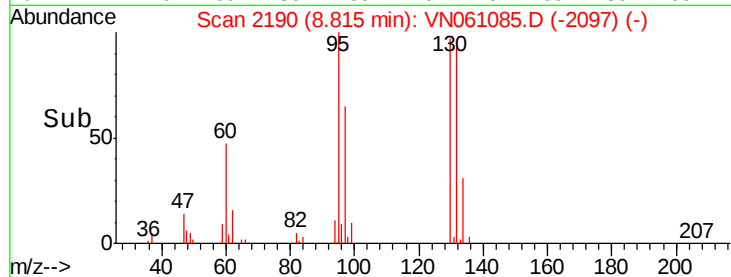
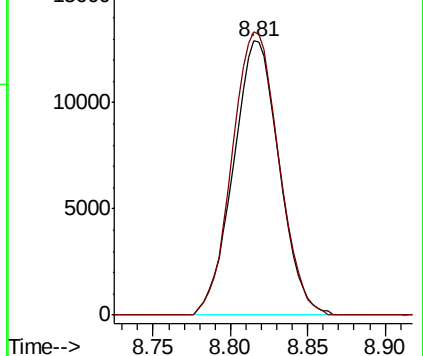
130 100

95 103.3 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: 55.935 ug/l

RT: 10.08 min Scan# 2582

Delta R.T. 0.00 min

Lab File: VN061085.D

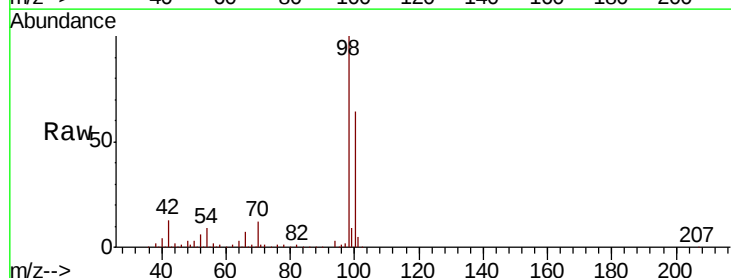
Acq: 18 Apr 2020 5:00

Tgt Ion: 98 Resp: 303492

Ion Ratio Lower Upper

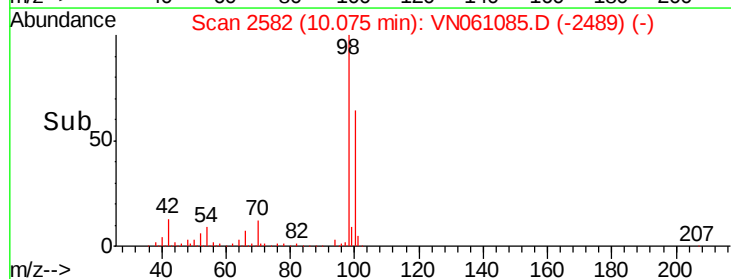
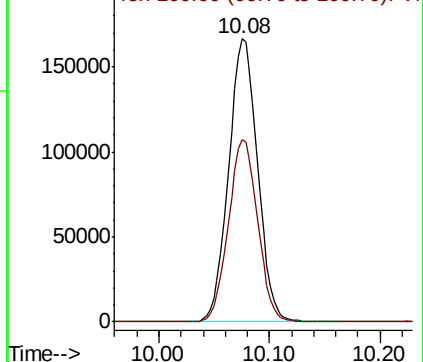
98 100

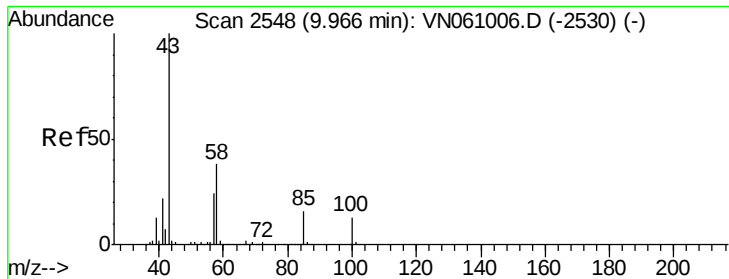
100 64.9 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN

Ion 100.00 (99.70 to 100.70): VN

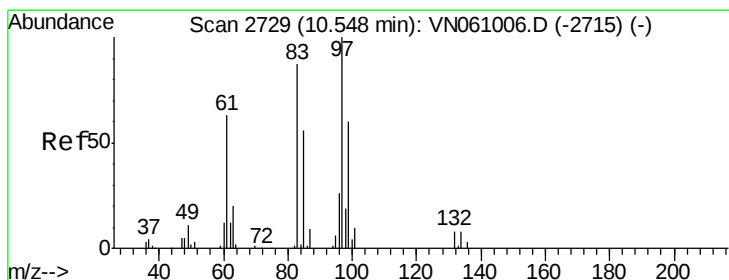
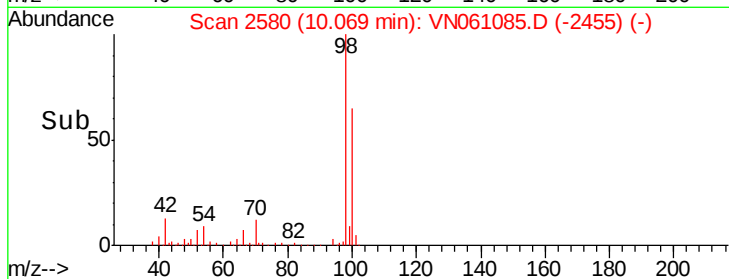
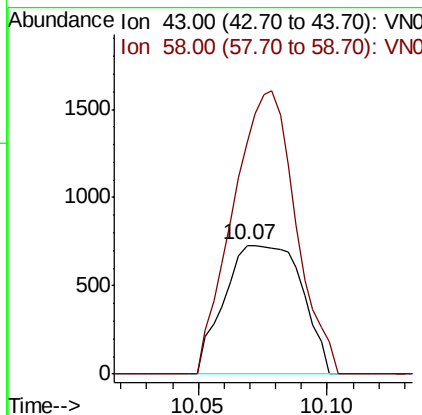
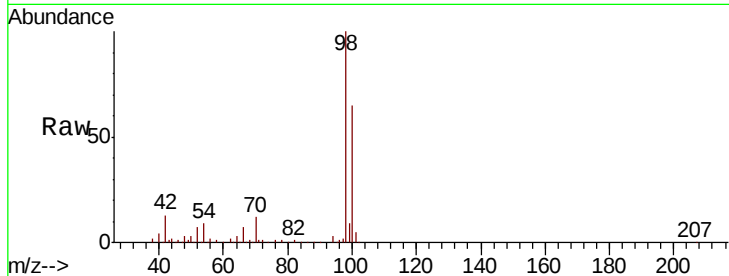




#51
 4-Methyl-2-Pentanone
 Concen: 0.588 ug/l
 RT: 10.07 min Scan# 2580
 Delta R.T. 0.10 min
 Lab File: VN061085.D
 Acq: 18 Apr 2020 5:00

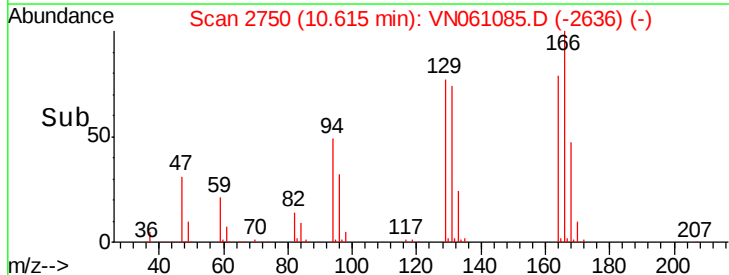
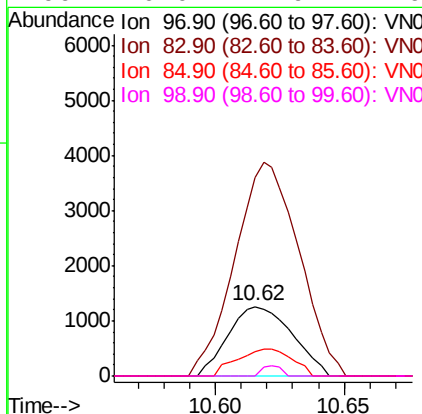
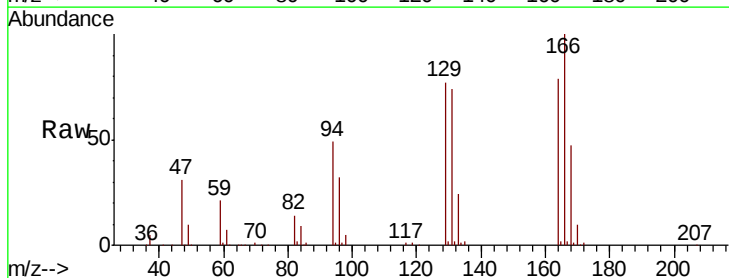
Instrument :
 MSVOA_N
 ClientSampleId :

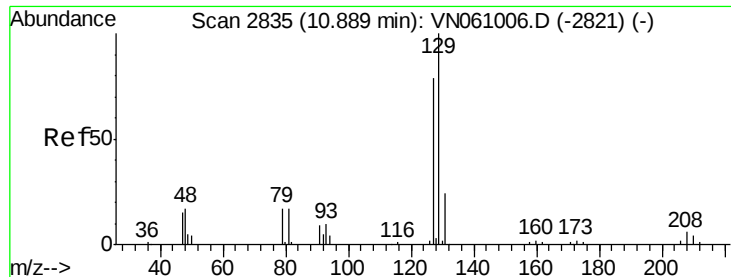
Tot Ion: 43 Resp: 1520
 Ion Ratio Lower Upper
 43 100
 58 178.9 30.3 45.5#



#55
 1,1,2-Trichloroethane
 Concen: 1.280 ug/l
 RT: 10.62 min Scan# 2750
 Delta R.T. 0.07 min
 Lab File: VN061085.D
 Acq: 18 Apr 2020 5:00

Tgt Ion: 97 Resp: 2187
 Ion Ratio Lower Upper
 97 100
 83 285.7 69.5 104.3#
 85 35.7 45.0 67.4#
 99 0.0 47.9 71.9#

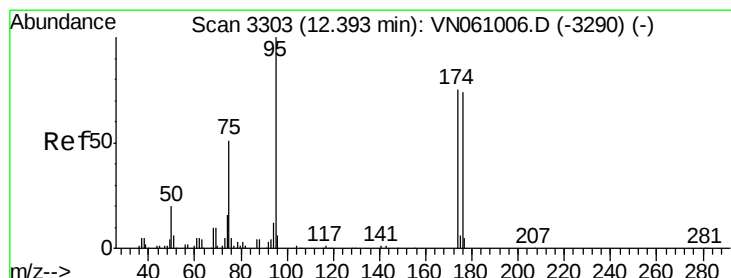
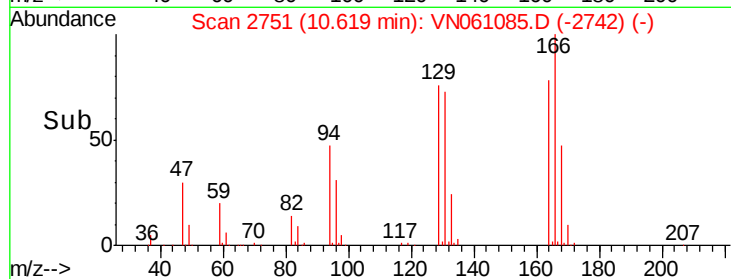
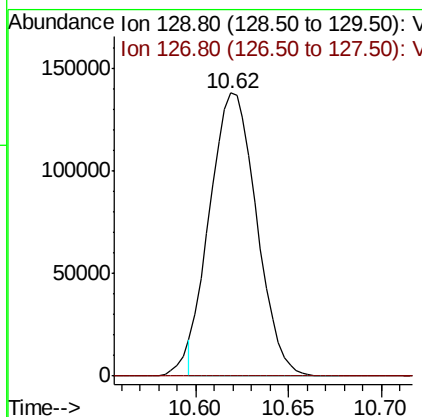
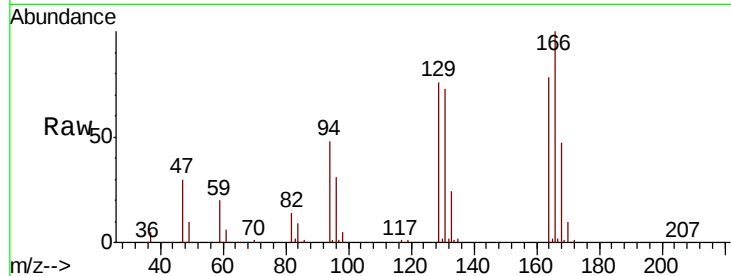




#60
 Dibromochloromethane
 Concen: 137.158 ug/l
 RT: 10.62 min Scan# 2751
 Delta R.T. -0.27 min
 Lab File: VN061085.D
 Acq: 18 Apr 2020 5:00

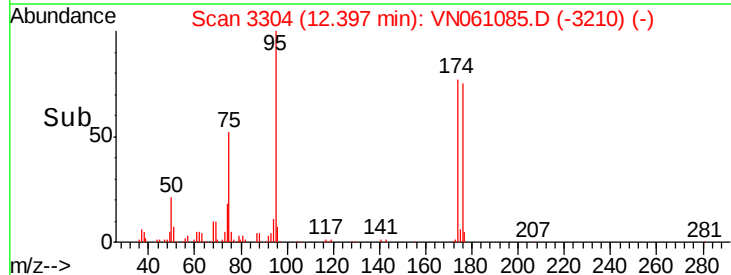
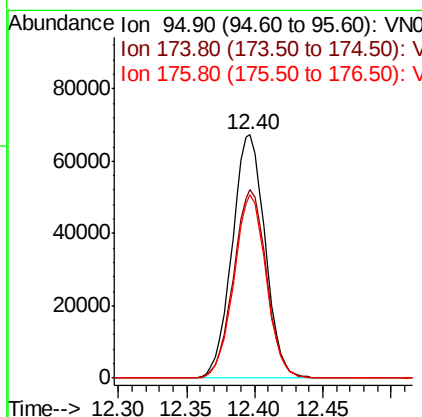
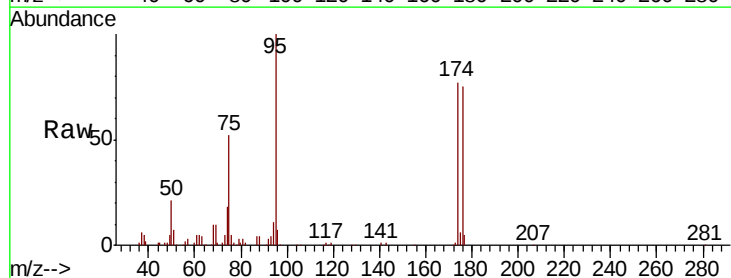
Instrument :
 MSVOA_N
 ClientSampled :

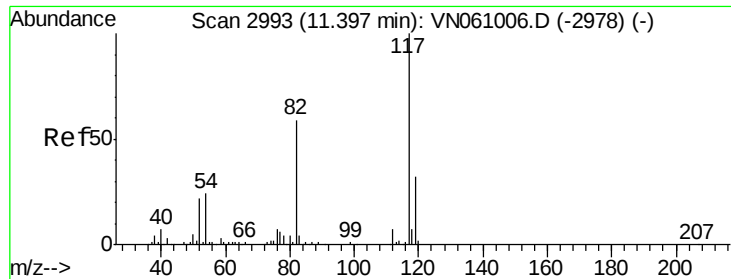
Tot Ion:129 Resp: 240764
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.0 116.9#



#62
 4-Bromofluorobenzene
 Concen: 53.054 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN061085.D
 Acq: 18 Apr 2020 5:00

Tgt Ion: 95 Resp: 112821
 Ion Ratio Lower Upper
 95 100
 174 77.1 0.0 151.2
 176 73.7 0.0 148.2

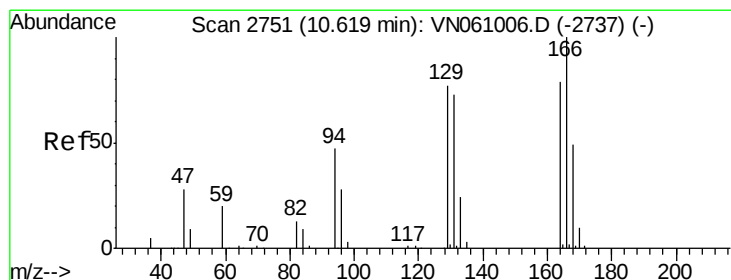
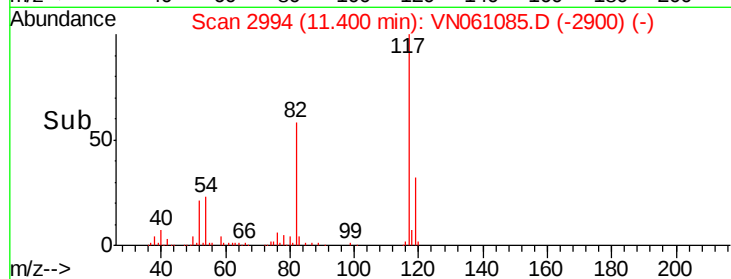
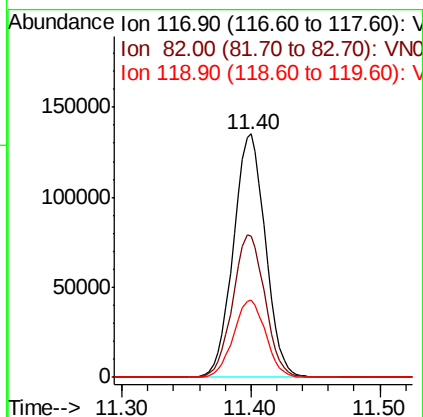
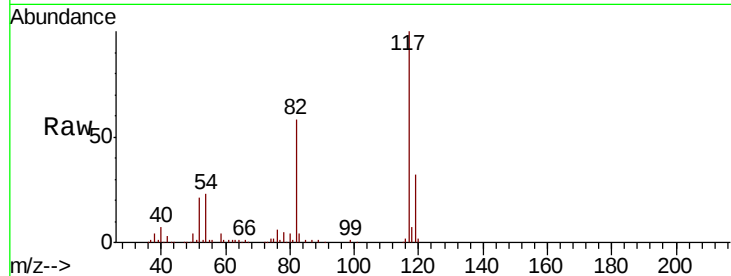




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN061085.D
Acq: 18 Apr 2020 5:00

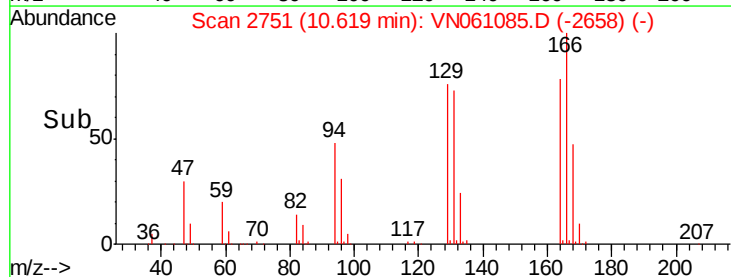
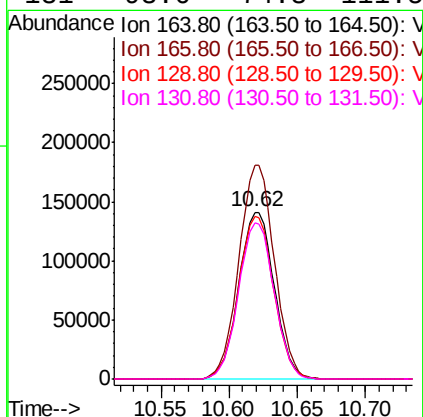
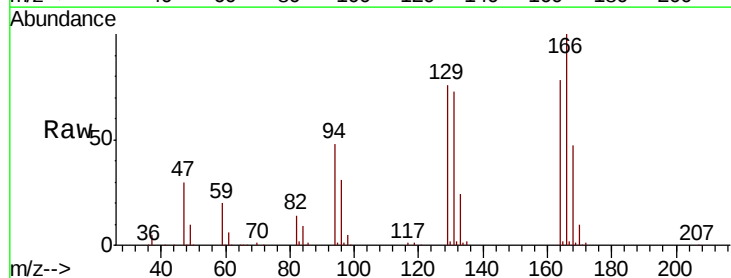
Instrument :
MSVOA_N
ClientSampleId :

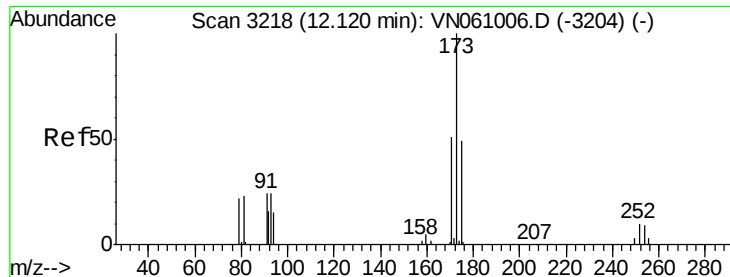
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.1	70.7
119	31.6	25.7	38.5



#64
Tetrachloroethene
Concen: 142.866 ug/l
RT: 10.62 min Scan# 2751
Delta R.T. 0.00 min
Lab File: VN061085.D
Acq: 18 Apr 2020 5:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	101.6	152.4
129	97.6	78.5	117.7
131	93.6	74.3	111.5





#71

Bromoform

Concen: 0.348 ug/l

RT: 12.39 min Scan# 3302

Delta R.T. 0.27 min

Lab File: VN061085.D

Acq: 18 Apr 2020 5:00

Instrument :

MSVOA_N

ClientSampled :

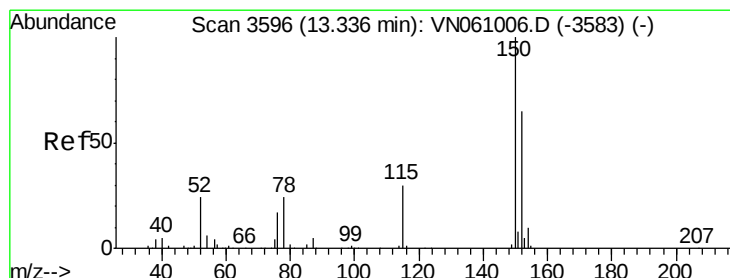
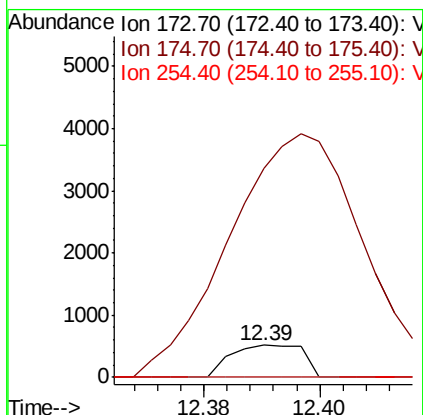
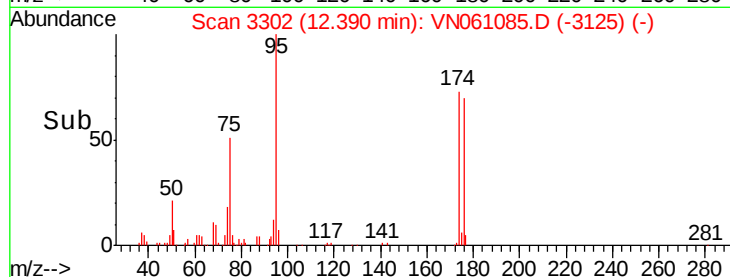
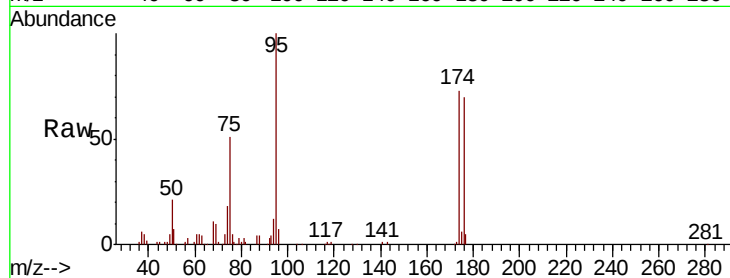
Tot Ion:173 Resp: 448

Ion Ratio Lower Upper

173 100

175 1228.3 24.5 73.5#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061085.D

Acq: 18 Apr 2020 5:00

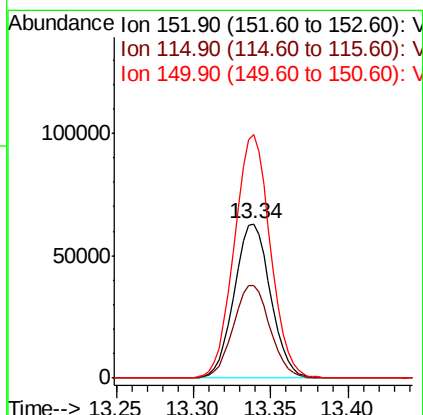
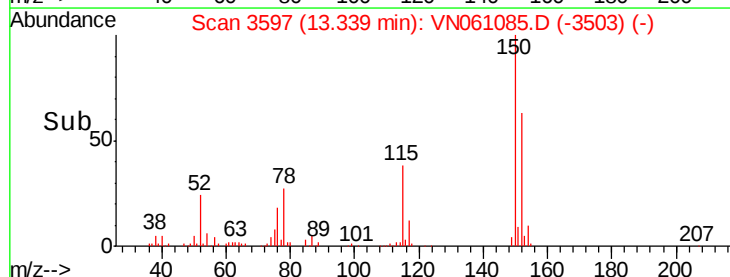
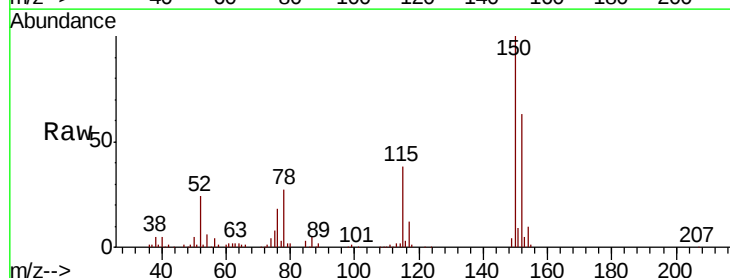
Tgt Ion:152 Resp: 102768

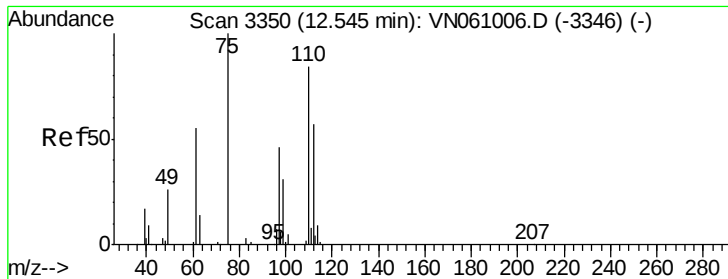
Ion Ratio Lower Upper

152 100

115 60.7 30.8 92.4

150 156.7 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 25.802 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.15 min

Lab File: VN061085.D

Acq: 18 Apr 2020 5:00

Instrument :

MSVOA_N

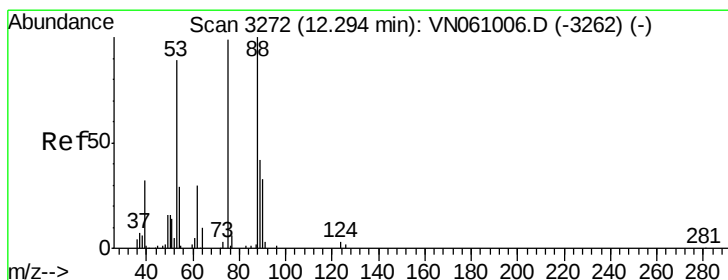
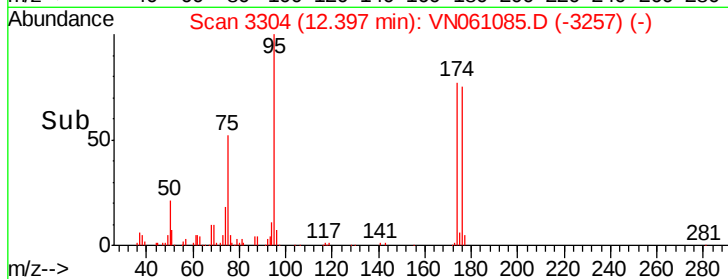
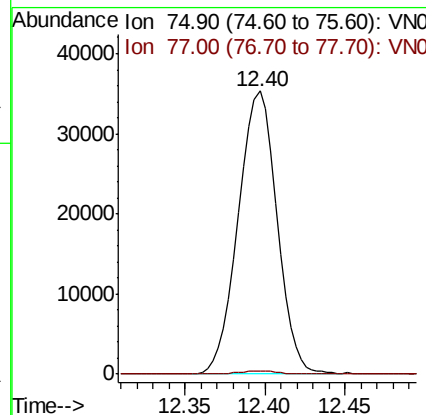
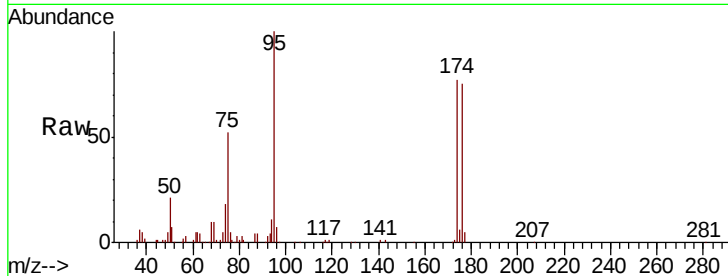
ClientSampleId :

Tot Ion: 75 Resp: 58325

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 63.643 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN061085.D

Acq: 18 Apr 2020 5:00

Tgt Ion: 75 Resp: 58325

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

89 0.0 34.6 52.0#

