

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061820\
 Data File : VN061921.D
 Acq On : 19 Jun 2020 00:53
 Operator : JC/MD
 Sample : PB129618TB
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129618TB

Quant Time: Jun 19 05:32:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 17 01:19:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	140616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	254335	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	242852	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	92226	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	92212	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
35) Dibromofluoromethane	7.55	113	81535	50.11	ug/l	0.00
Spiked Amount			Recovery	=	100.22%	
50) Toluene-d8	10.06	98	315422	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
62) 4-Bromofluorobenzene	12.38	95	102915	46.90	ug/l	0.00
Spiked Amount			Recovery	=	93.80%	

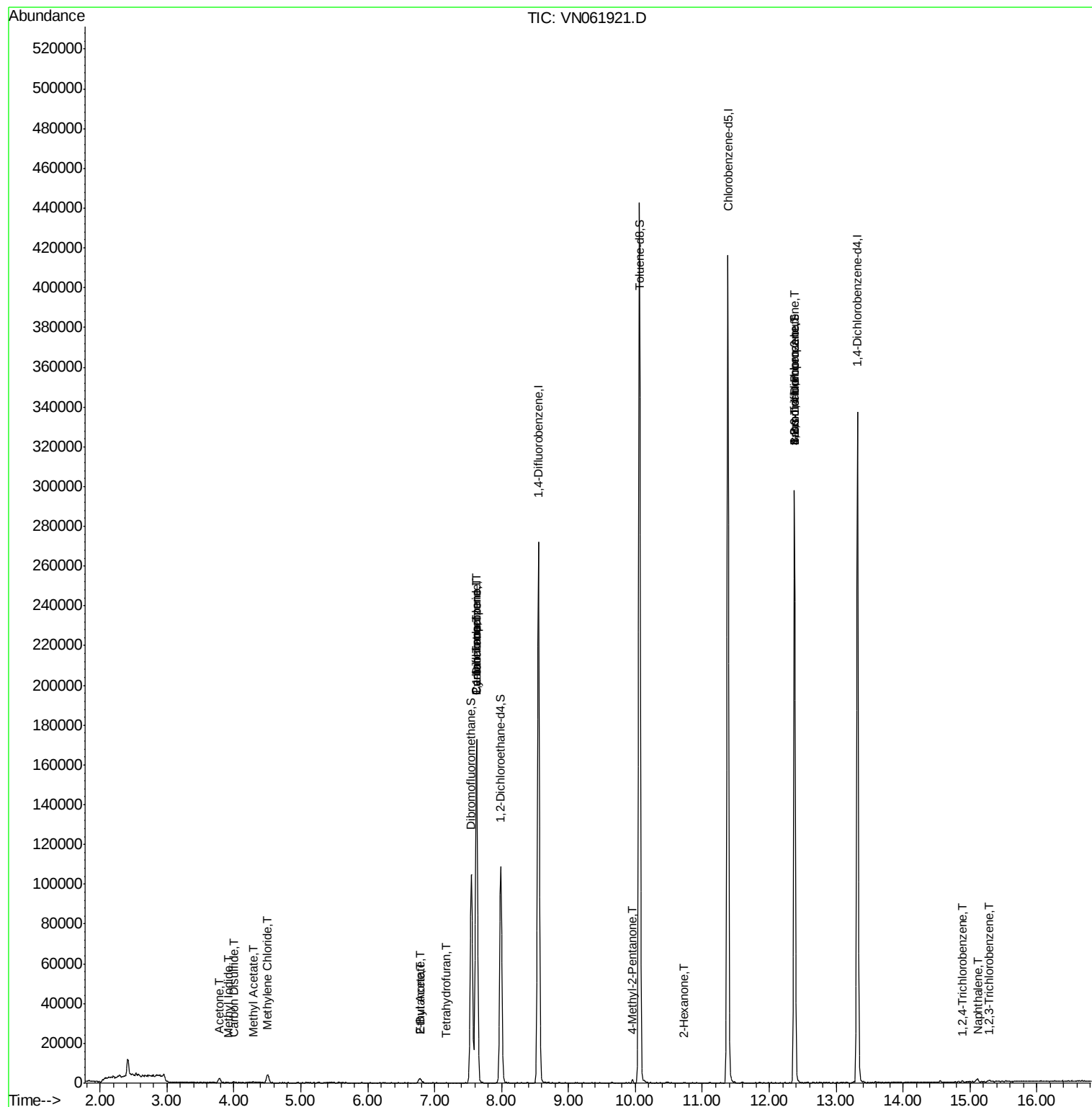
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.91	142	212	5.429	ug/l #	42
16) Acetone	3.78	43	3998	7.177	ug/l	93
17) Carbon Disulfide	4.01	76	899	0.215	ug/l #	75
18) Methyl Acetate	4.28	43	426	0.266	ug/l #	72
20) Methylene Chloride	4.49	84	3298	1.817	ug/l	96
25) 2-Butanone	6.79	43	668	0.822	ug/l #	44
29) Tetrahydrofuran	7.17	42	206	0.385	ug/l #	26
31) Cyclohexane	7.62	56	2898	1.166	ug/l #	12
36) 1,1-Dichloropropene	7.62	75	11644	5.019	ug/l #	48
37) Ethyl Acetate	6.79	43	668	0.369	ug/l #	65
38) Carbon Tetrachloride	7.63	117	13372	5.821	ug/l #	19
51) 4-Methyl-2-Pentanone	9.96	43	1148	0.636	ug/l #	81
59) 2-Hexanone	10.72	43	62	13.447	ug/l #	20
71) Bromoform	12.38	173	952	0.731	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	51183	28.268	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	51183	77.099	ug/l #	14
93) 1,2,4-Trichlorobenzene	14.89	180	447	0.326	ug/l #	68
95) Naphthalene	15.11	128	2551	4.000	ug/l #	72
96) 1,2,3-Trichlorobenzene	15.29	180	487	0.359	ug/l #	71

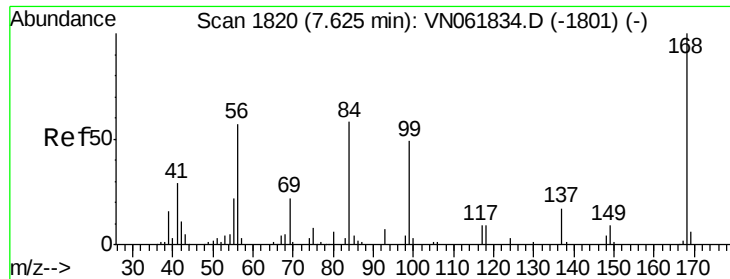
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061921.D

Acq: 19 Jun 2020 00:53

Instrument :

MSVOA_N

ClientSampleId :

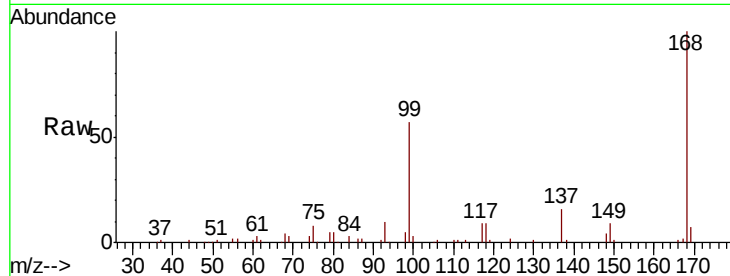
PB129618TB

Tot Ion:168 Resp: 140616

Ion Ratio Lower Upper

168 100

99 56.7 44.6 67.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.63

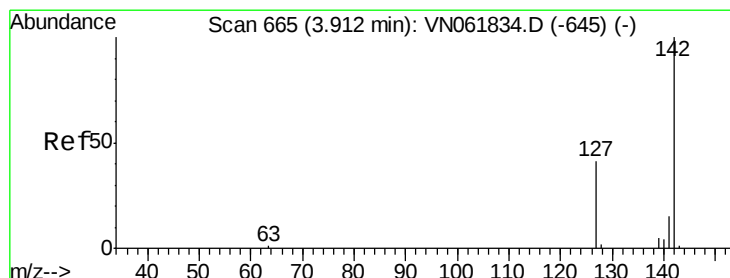
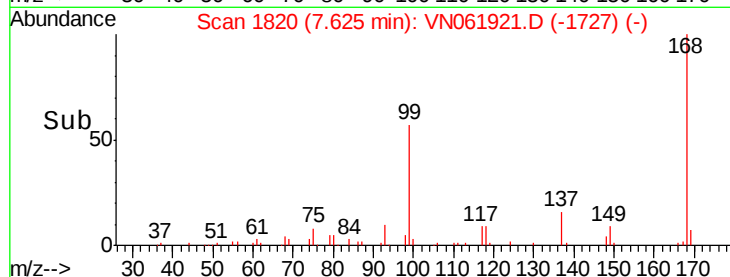
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#10

Methyl Iodide

Concen: 5.429 ug/l

RT: 3.91 min Scan# 666

Delta R.T. 0.00 min

Lab File: VN061921.D

Acq: 19 Jun 2020 00:53

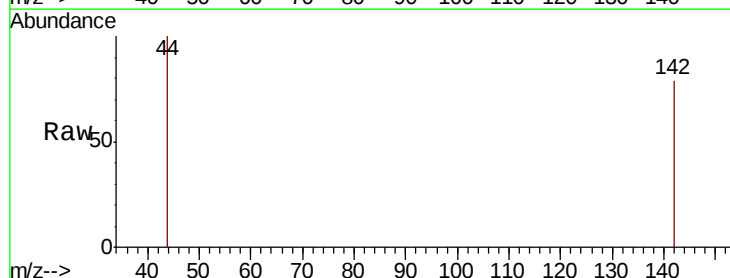
Tgt Ion:142 Resp: 212

Ion Ratio Lower Upper

142 100

127 0.0 33.4 50.0#

141 0.0 11.3 16.9#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

3.91

250

200

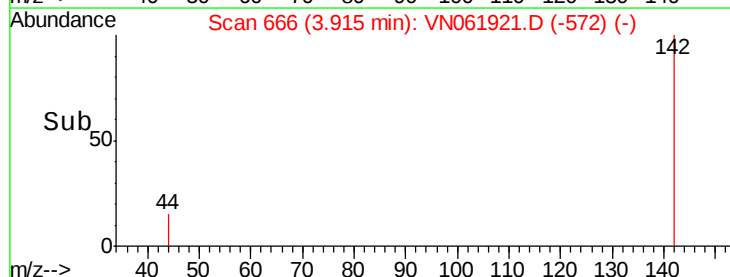
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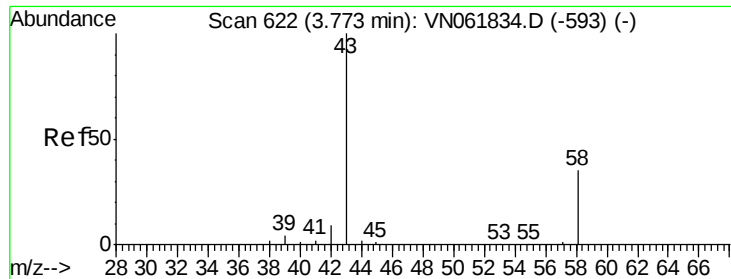
100

50

0

Time--> 3.90 3.92





#16

Acetone

Concen: 7.177 ug/l

RT: 3.78 min Scan# 625

Delta R.T. 0.01 min

Lab File: VN061921.D

Acq: 19 Jun 2020 00:53

Instrument :

MSVOA_N

ClientSampleId :

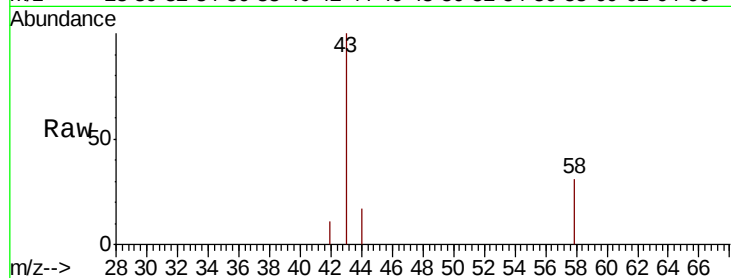
PB129618TB

Tot Ion: 43 Resp: 3998

Ion Ratio Lower Upper

43 100

58 30.7 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VN061834.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN061834.D (-593) (-)

3.78

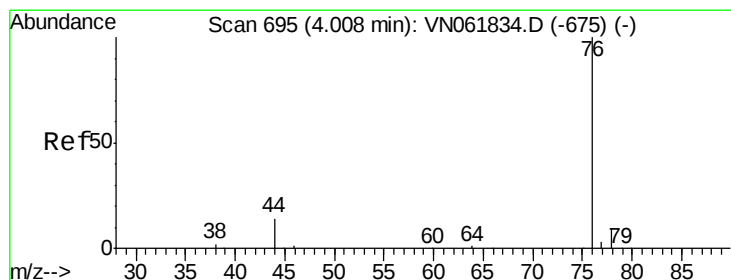
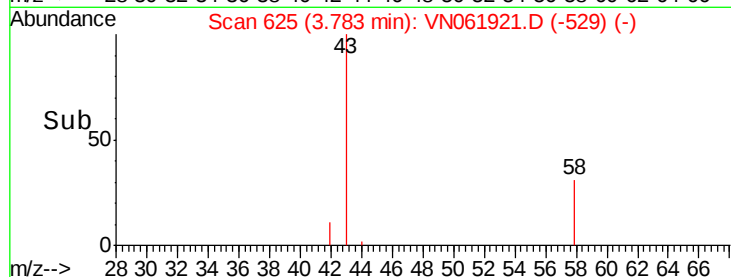
1500

1000

500

0

Time-->



#17

Carbon Disulfide

Concen: 0.215 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN061921.D

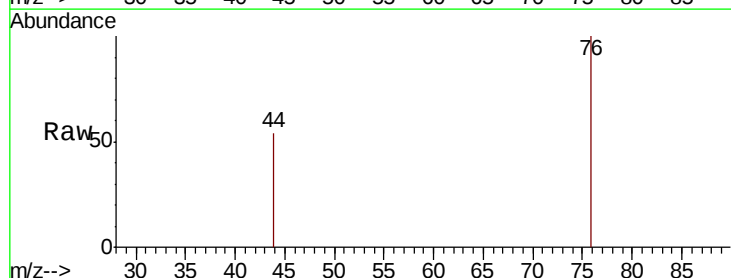
Acq: 19 Jun 2020 00:53

Tgt Ion: 76 Resp: 899

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



Abundance Ion 75.90 (75.60 to 76.60): VN061834.D (-675) (-)

Ion 77.90 (77.60 to 78.60): VN061834.D (-675) (-)

4.01

500

400

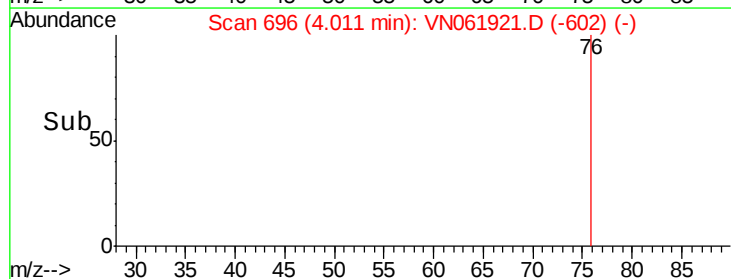
300

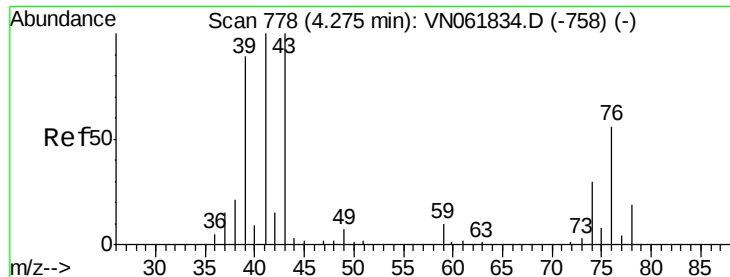
200

100

0

Time-->

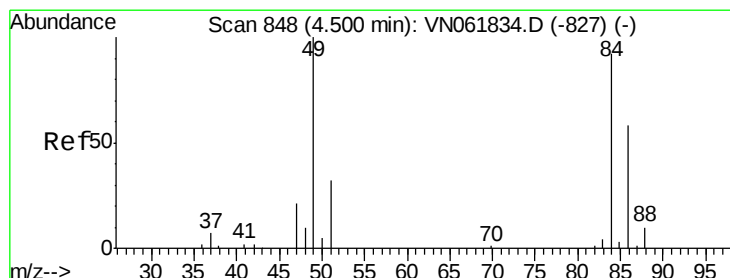
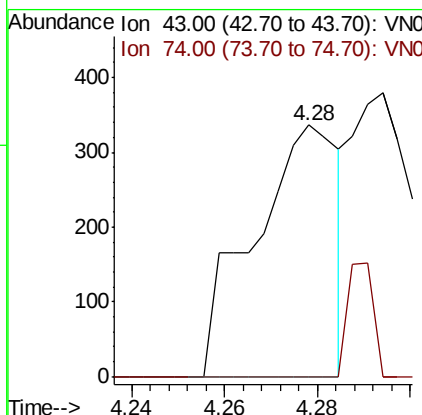
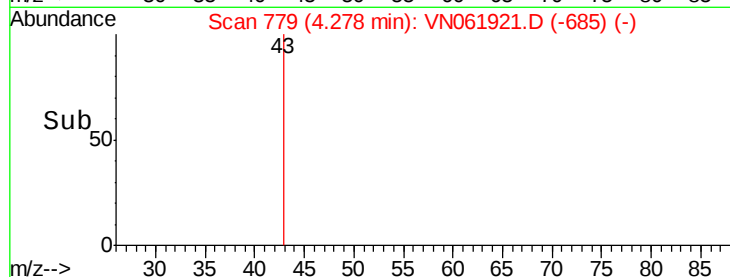
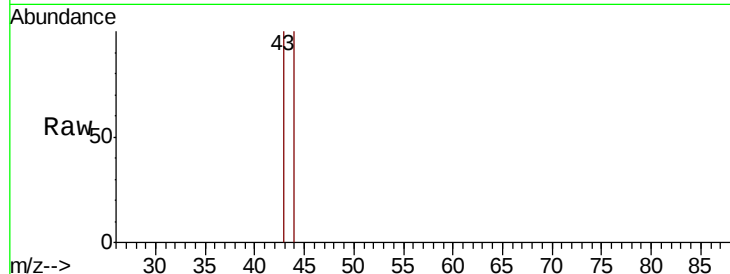




#18
Methyl Acetate
Concen: 0.266 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN061921.D
Acq: 19 Jun 2020 00:53

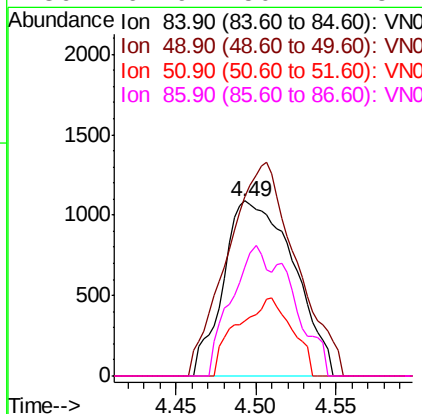
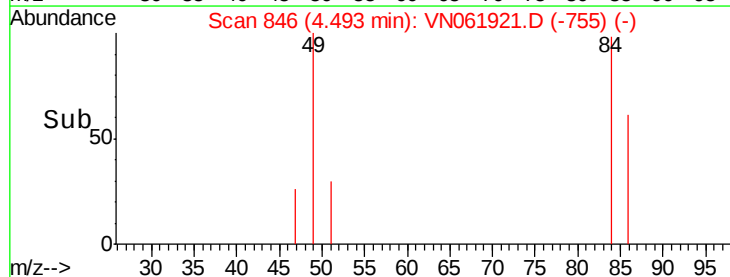
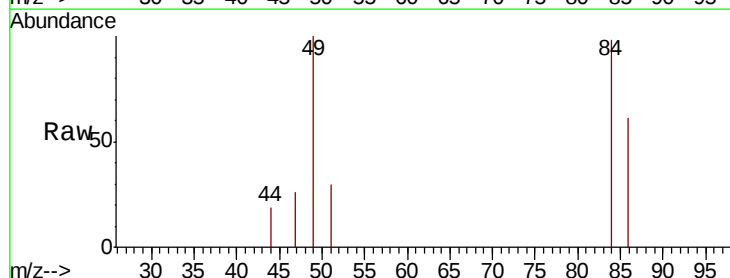
Instrument :
MSVOA_N
ClientSampled :
PB129618TB

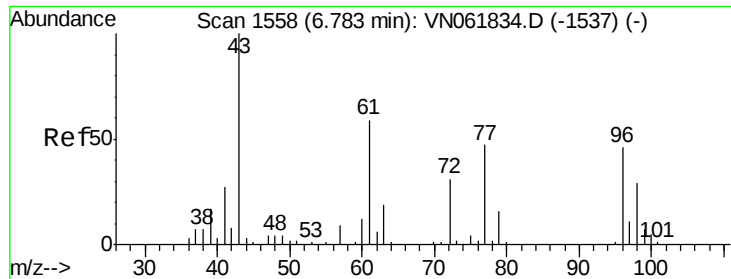
Tot Ion: 43 Resp: 426
Ion Ratio Lower Upper
43 100
74 13.6 23.0 34.4#



#20
Methylene Chloride
Concen: 1.817 ug/l
RT: 4.49 min Scan# 846
Delta R.T. -0.01 min
Lab File: VN061921.D
Acq: 19 Jun 2020 00:53

Tgt Ion: 84 Resp: 3298
Ion Ratio Lower Upper
84 100
49 102.4 87.0 130.4
51 31.2 27.8 41.6
86 61.9 50.2 75.2

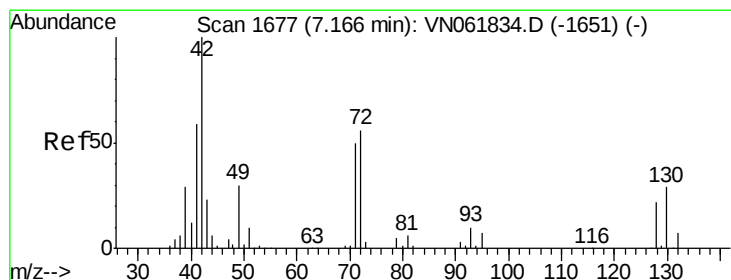
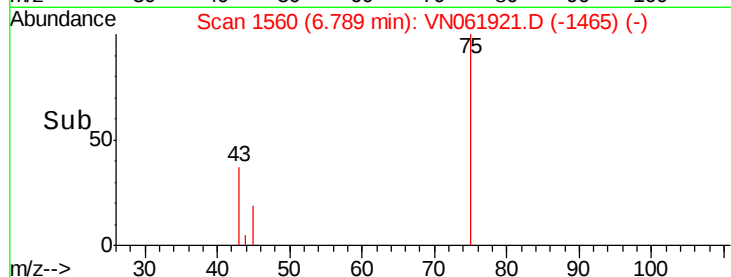
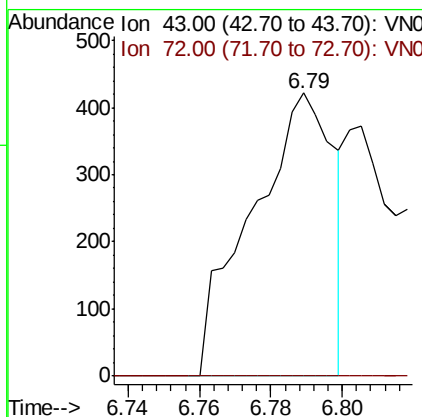
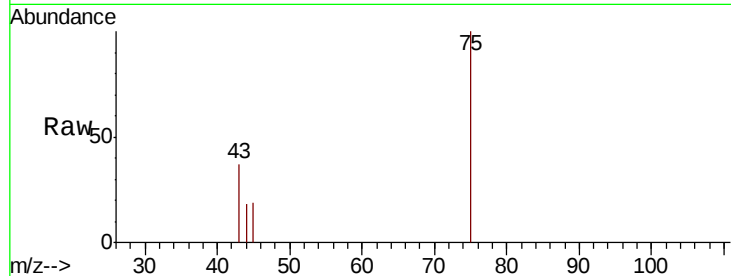




#25
2-Butanone
Concen: 0.822 ug/l
RT: 6.79 min Scan# 1560
Delta R.T. 0.01 min
Lab File: VN061921.D
Acq: 19 Jun 2020 00:53

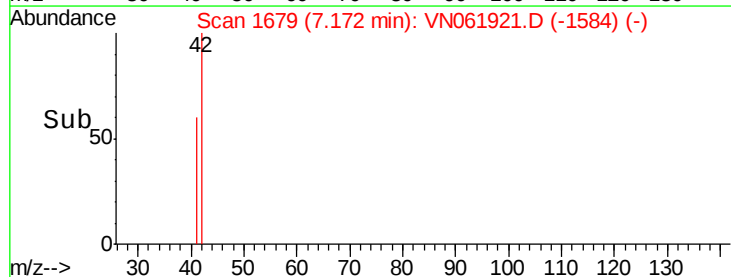
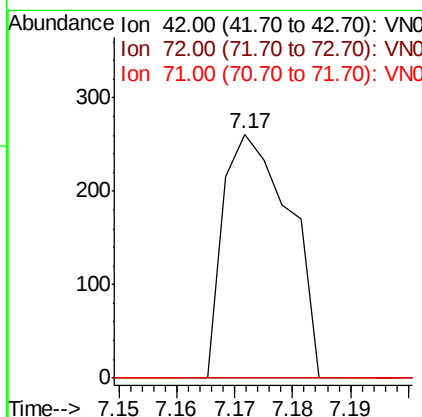
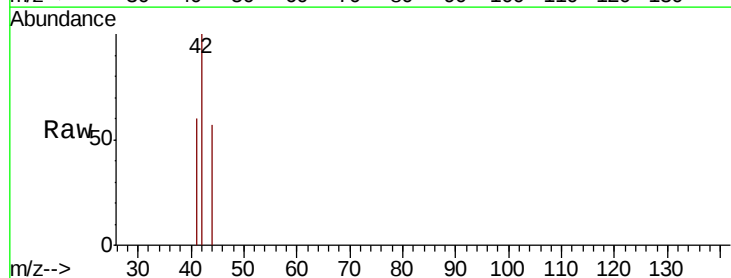
Instrument :
MSVOA_N
ClientSampleId :
PB129618TB

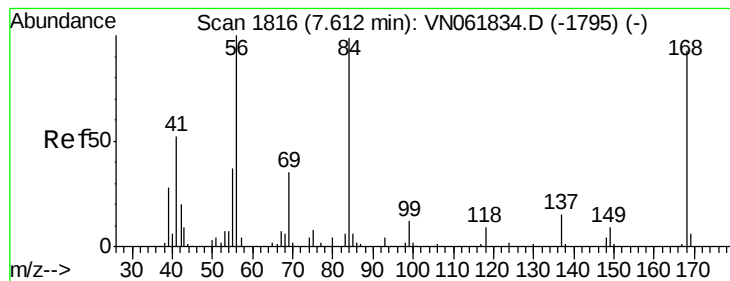
Tot Ion: 43 Resp: 668
Ion Ratio Lower Upper
43 100
72 0.0 24.6 37.0#



#29
Tetrahydrofuran
Concen: 0.385 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.01 min
Lab File: VN061921.D
Acq: 19 Jun 2020 00:53

Tgt Ion: 42 Resp: 206
Ion Ratio Lower Upper
42 100
72 0.0 44.0 66.0#
71 0.0 40.0 60.0#





#31

Cyclohexane

Concen: 1.166 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN061921.D

Acq: 19 Jun 2020 00:53

Instrument :

MSVOA_N

ClientSampleId :

PB129618TB

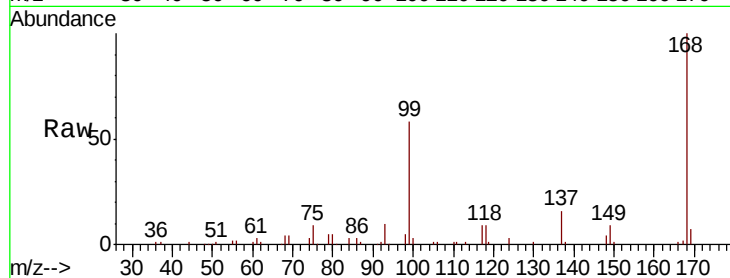
Tot Ion: 56 Resp: 2898

Ion Ratio Lower Upper

56 100

69 163.4 27.7 41.5#

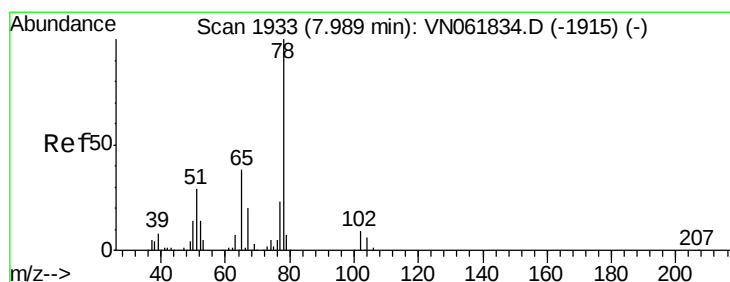
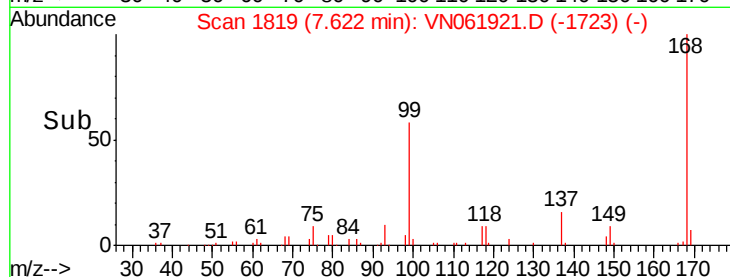
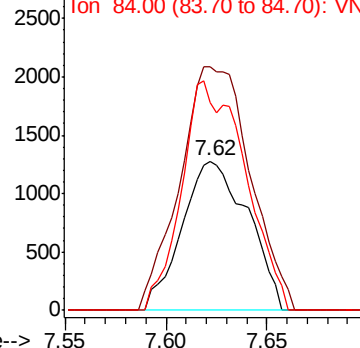
84 139.2 79.1 118.7#



Abundance Ion 56.00 (55.70 to 56.70): VN061834.D (-1795) (-)

Ion 69.00 (68.70 to 69.70): VN061834.D (-1795) (-)

Ion 84.00 (83.70 to 84.70): VN061834.D (-1795) (-)



#33

1,2-Dichloroethane-d4

Concen: 48.896 ug/l

RT: 7.99 min Scan# 1932

Delta R.T. -0.00 min

Lab File: VN061921.D

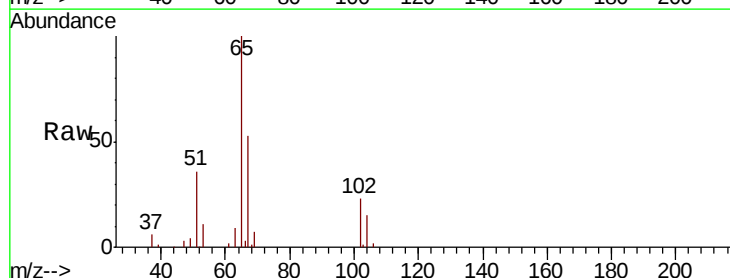
Acq: 19 Jun 2020 00:53

Tgt Ion: 65 Resp: 92212

Ion Ratio Lower Upper

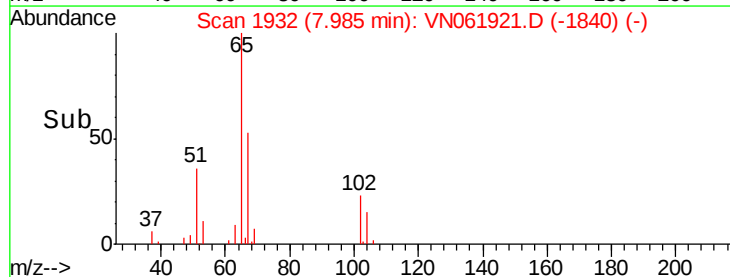
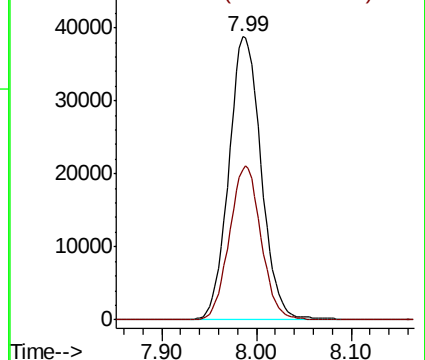
65 100

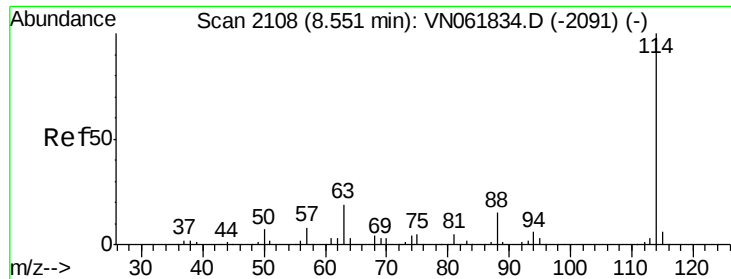
67 52.9 0.0 106.2



Abundance Ion 64.90 (64.60 to 65.60): VN061834.D (-1915) (-)

Ion 66.90 (66.60 to 67.60): VN061834.D (-1915) (-)

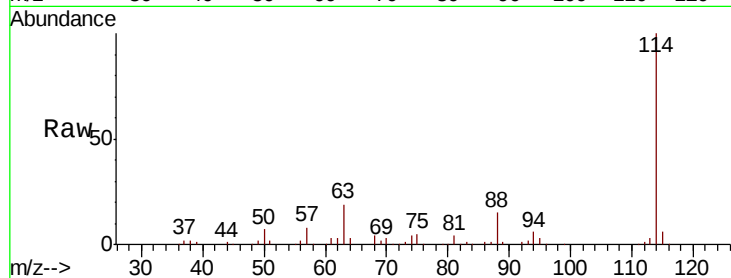




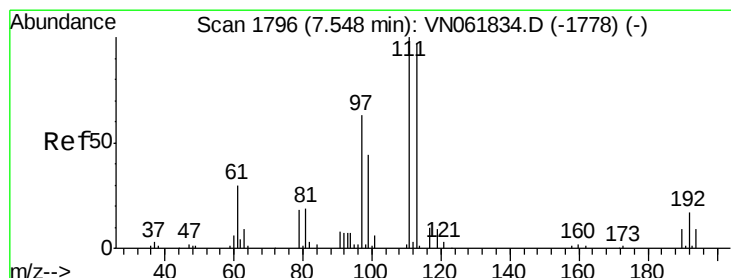
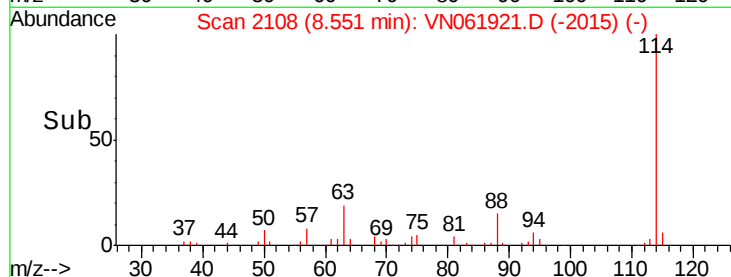
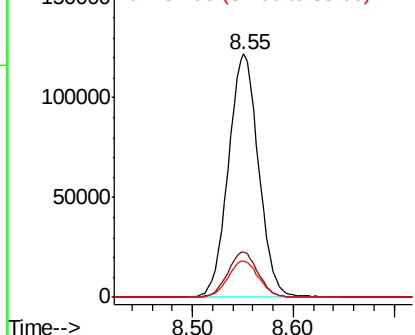
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. -0.00 min
Lab File: VN061921.D
Acq: 19 Jun 2020 00:53

Instrument :
MSVOA_N
ClientSampleId :
PB129618TB

Tot Ion:114 Resp: 254335
Ion Ratio Lower Upper
114 100
63 18.7 0.0 37.6
88 15.1 0.0 31.0

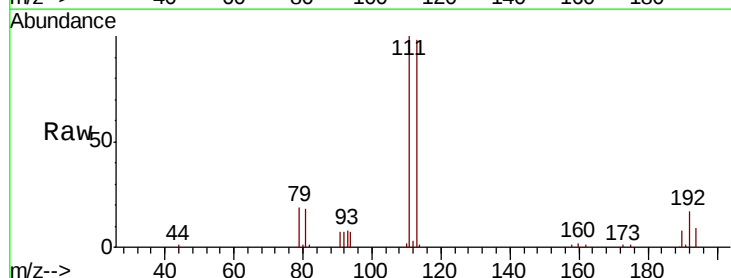


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

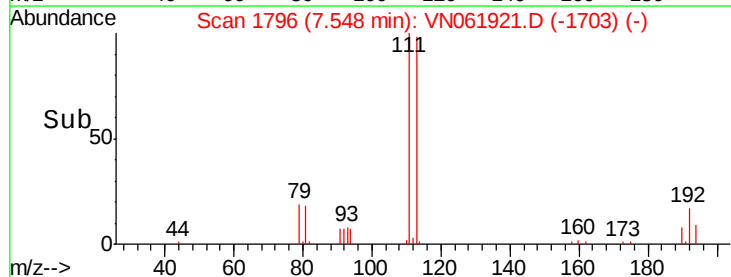
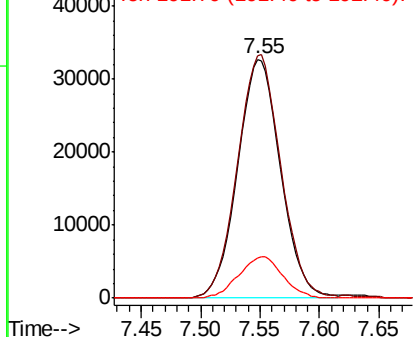


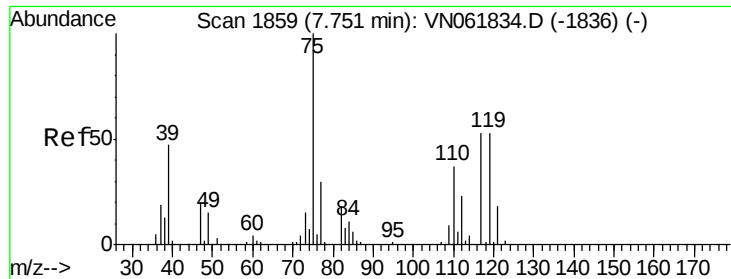
#35
Dibromofluoromethane
Concen: 50.111 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VN061921.D
Acq: 19 Jun 2020 00:53

Tgt Ion:113 Resp: 81535
Ion Ratio Lower Upper
113 100
111 102.9 83.7 125.5
192 17.7 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

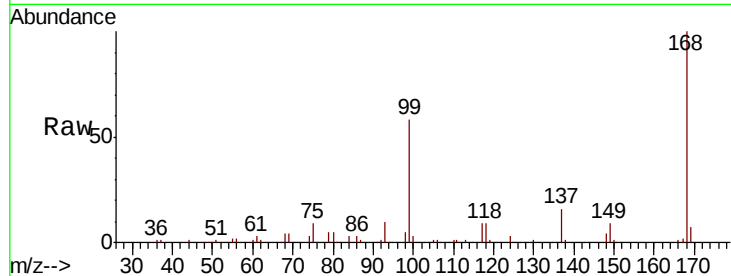




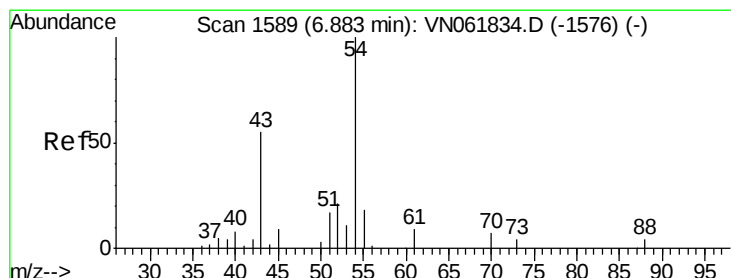
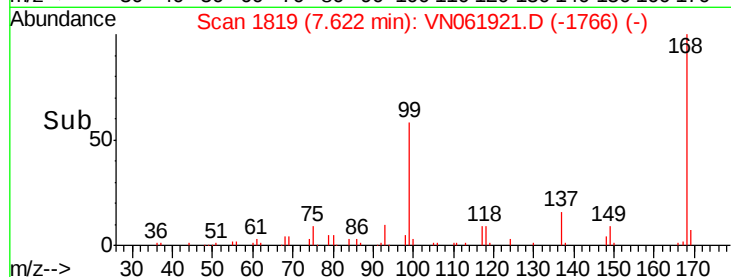
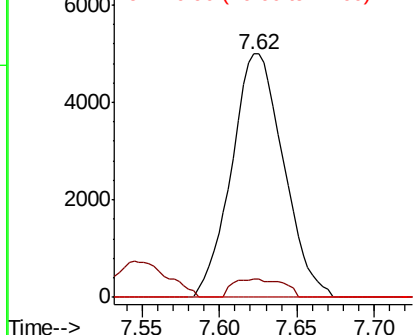
#36
 1,1-Dichloropropene
 Concen: 5.019 ug/l
 RT: 7.62 min Scan# 1819
 Delta R.T. -0.13 min
 Lab File: VN061921.D
 Acq: 19 Jun 2020 00:53

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129618TB

Tot Ion: 75 Resp: 11644
 Ion Ratio Lower Upper
 75 100
 110 7.2 18.2 54.6#
 77 0.0 24.2 36.4#

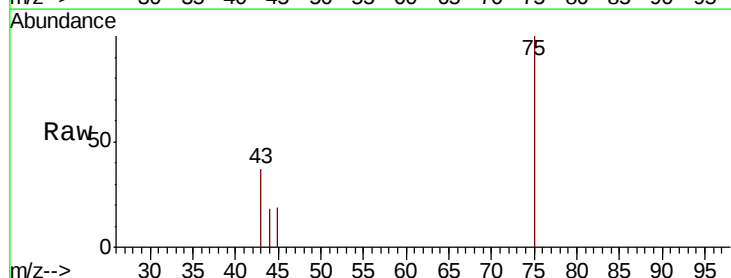


Abundance Ion 74.90 (74.60 to 75.60): VN0
 Ion 109.90 (109.60 to 110.60): VN0
 Ion 76.90 (76.60 to 77.60): VN0

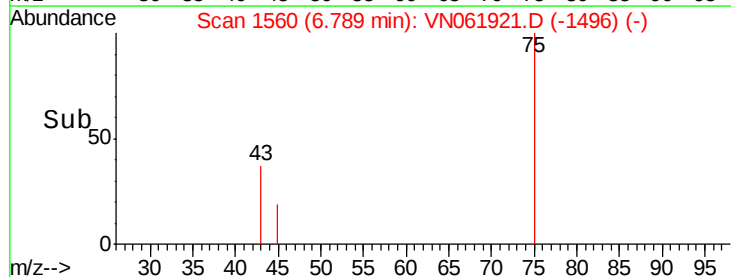
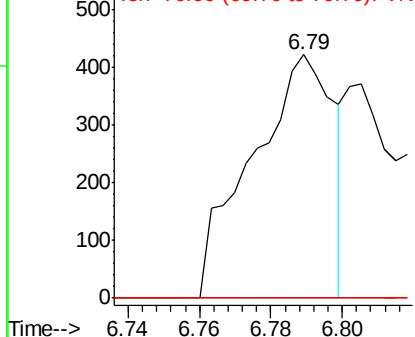


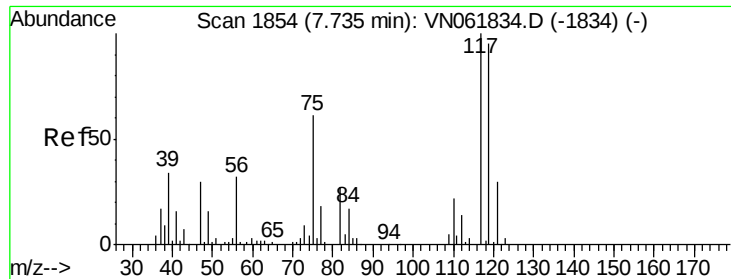
#37
 Ethyl Acetate
 Concen: 0.369 ug/l
 RT: 6.79 min Scan# 1560
 Delta R.T. -0.09 min
 Lab File: VN061921.D
 Acq: 19 Jun 2020 00:53

Tgt Ion: 43 Resp: 668
 Ion Ratio Lower Upper
 43 100
 61 0.0 13.0 19.4#
 70 0.0 9.4 14.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0

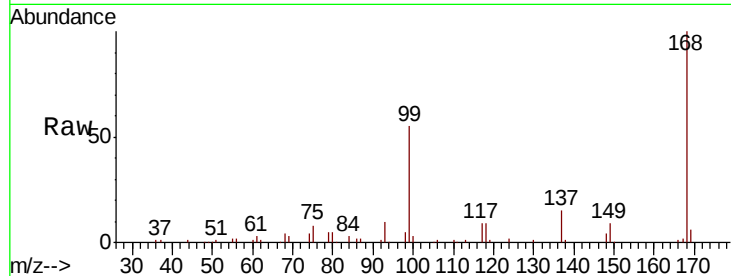




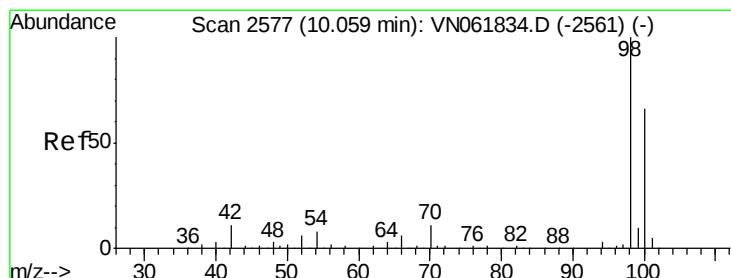
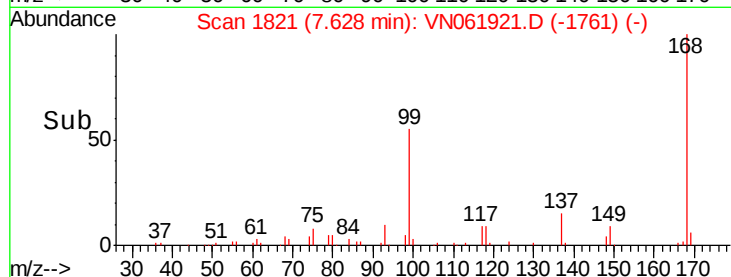
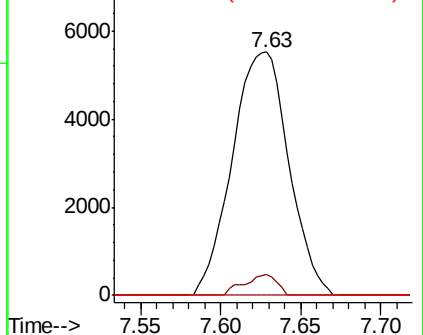
#38
Carbon Tetrachloride
Concen: 5.821 ug/l
RT: 7.63 min Scan# 1821
Delta R.T. -0.11 min
Lab File: VN061921.D
Acq: 19 Jun 2020 00:53

Instrument :
MSVOA_N
ClientSampled :
PB129618TB

Tot Ion:117 Resp: 13372
Ion Ratio Lower Upper
117 100
119 8.3 75.8 113.6#
121 0.0 23.8 35.6#

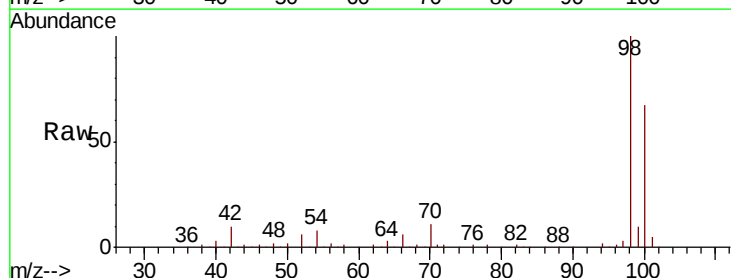


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

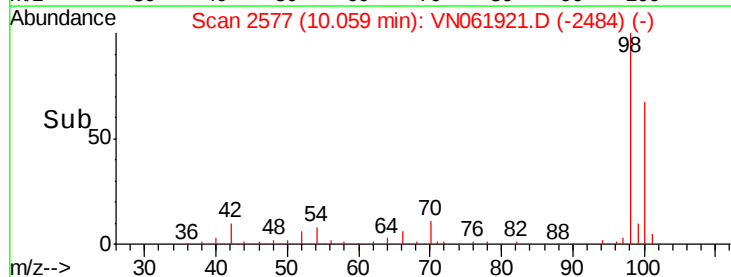
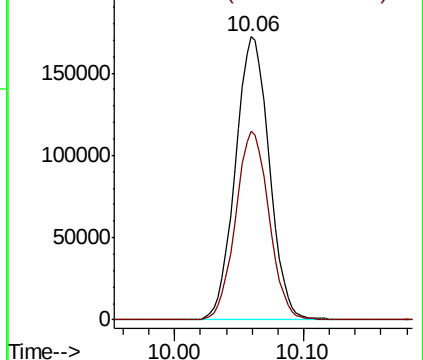


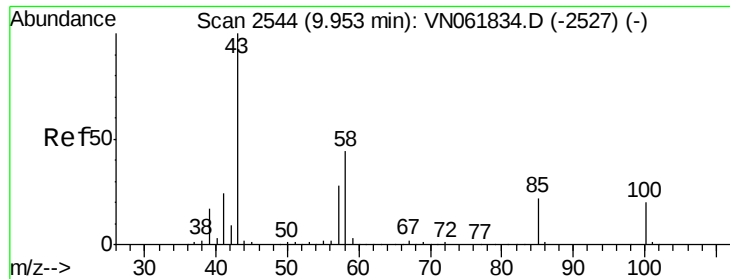
#50
Toluene-d8
Concen: 49.309 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. -0.00 min
Lab File: VN061921.D
Acq: 19 Jun 2020 00:53

Tgt Ion: 98 Resp: 315422
Ion Ratio Lower Upper
98 100
100 65.8 52.7 79.1



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

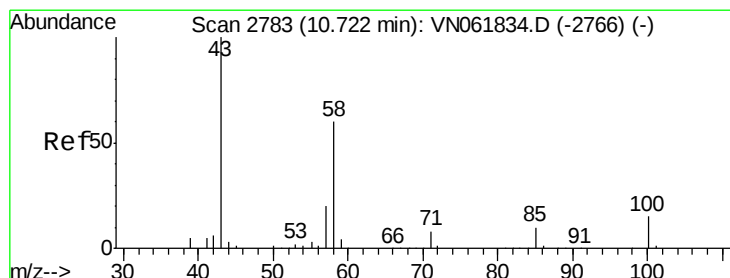
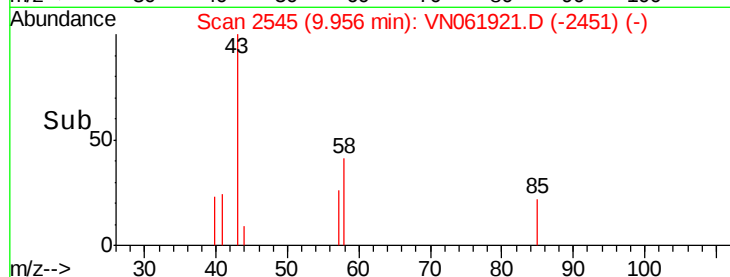
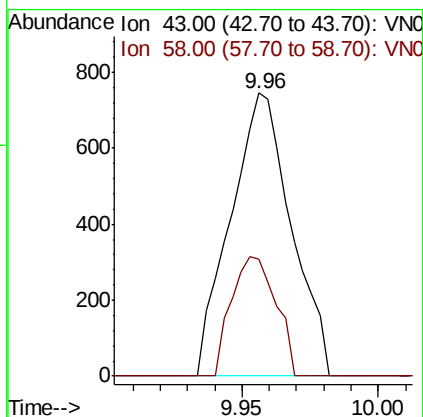
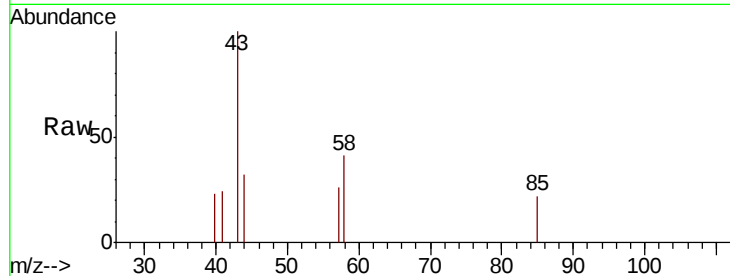




#51
4-Methyl-2-Pentanone
Concen: 0.636 ug/l
RT: 9.96 min Scan# 2545
Delta R.T. 0.00 min
Lab File: VN061921.D
Acq: 19 Jun 2020 00:53

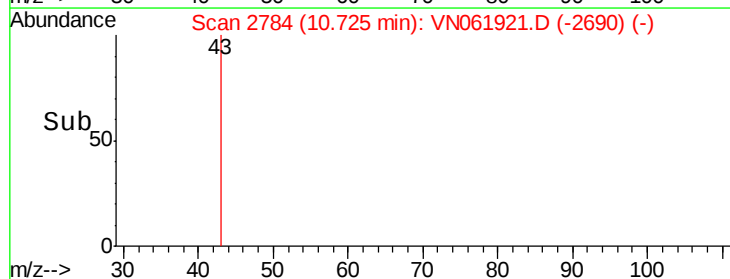
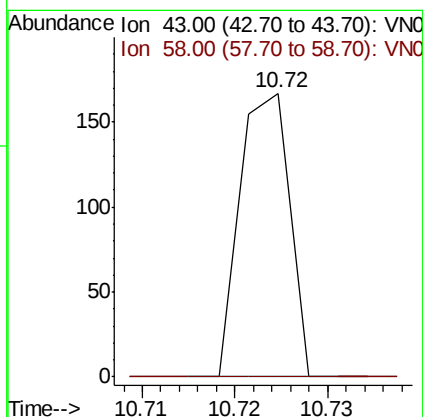
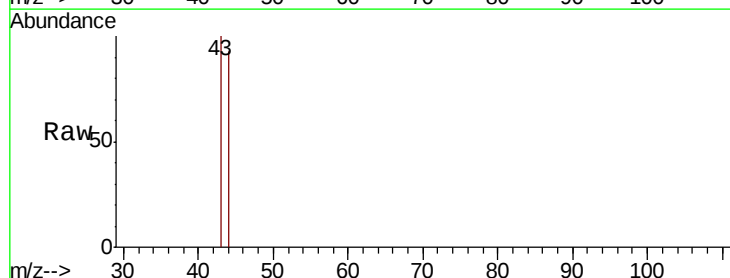
Instrument :
MSVOA_N
ClientSampleId :
PB129618TB

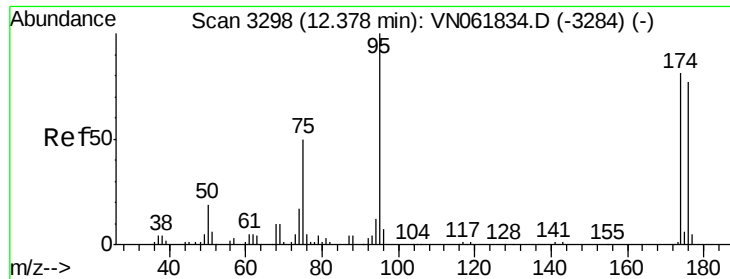
Tot Ion: 43 Resp: 1148
Ion Ratio Lower Upper
43 100
58 31.1 34.6 52.0#



#59
2-Hexanone
Concen: 13.447 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. 0.00 min
Lab File: VN061921.D
Acq: 19 Jun 2020 00:53

Tgt Ion: 43 Resp: 62
Ion Ratio Lower Upper
43 100
58 0.0 30.1 90.5#

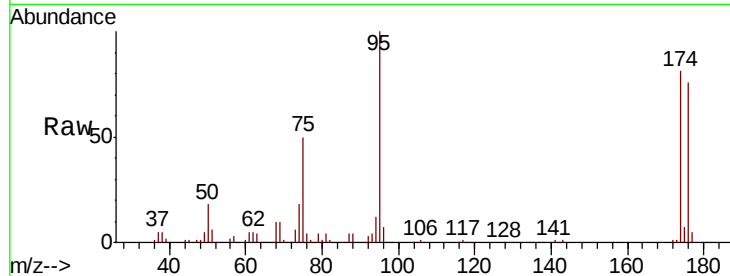




#62
 4-Bromofluorobenzene
 Concen: 46.903 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061921.D
 Acq: 19 Jun 2020 00:53

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129618TB

Tot Ion	95	Resp	102915
Ion Ratio	100		
Lower			
Upper			
95	100		
174	79.7	0.0	158.6
176	76.1	0.0	152.0

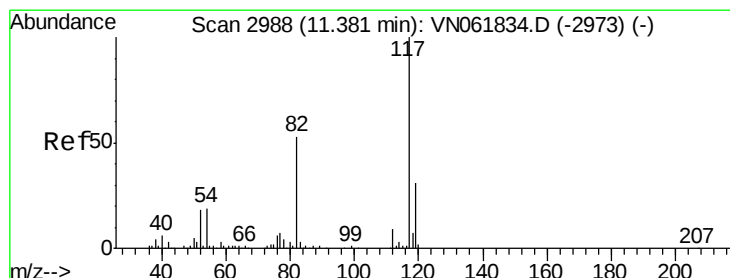
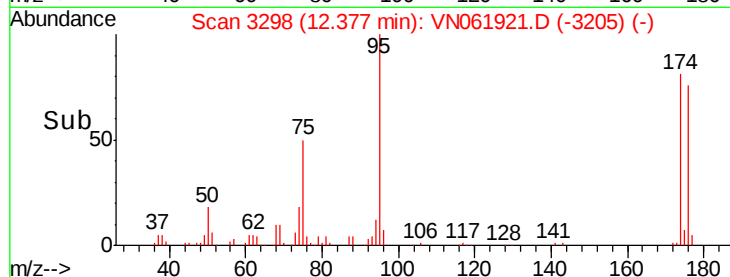
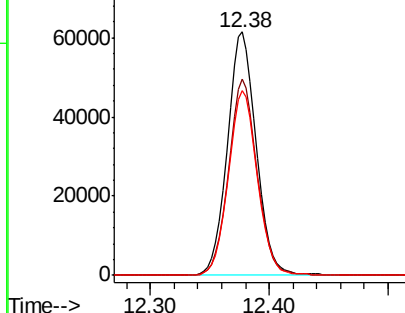


Abundance

Ion 94.90 (94.60 to 95.60): VN061834.D (-3284) (-)

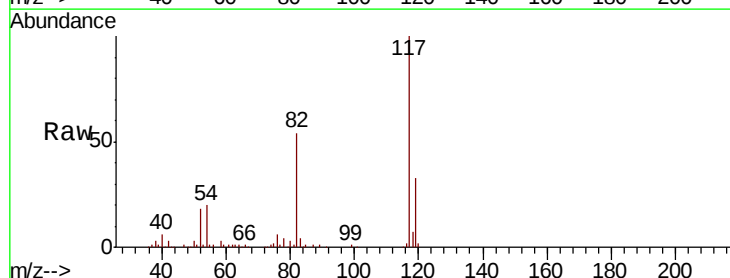
Ion 173.80 (173.50 to 174.50): VN061834.D (-3284) (-)

Ion 175.80 (175.50 to 176.50): VN061834.D (-3284) (-)



#63
 Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 11.38 min Scan# 2988
 Delta R.T. -0.00 min
 Lab File: VN061921.D
 Acq: 19 Jun 2020 00:53

Tgt Ion	117	Resp	242852
Ion Ratio	100		
Lower			
Upper			
117	100		
82	54.3	42.6	64.0
119	32.8	24.7	37.1

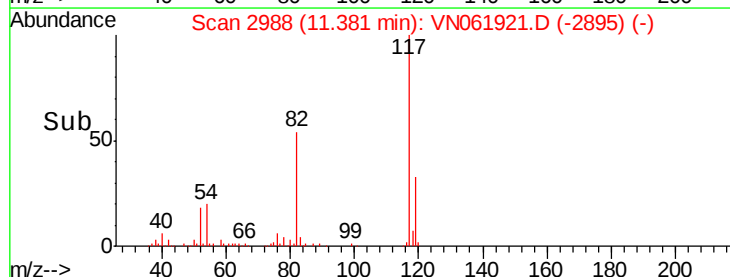
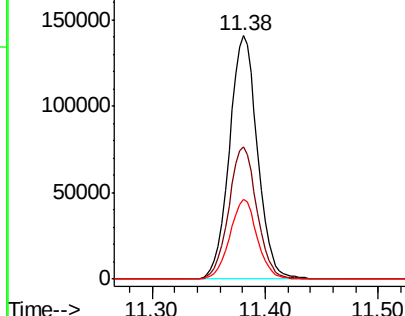


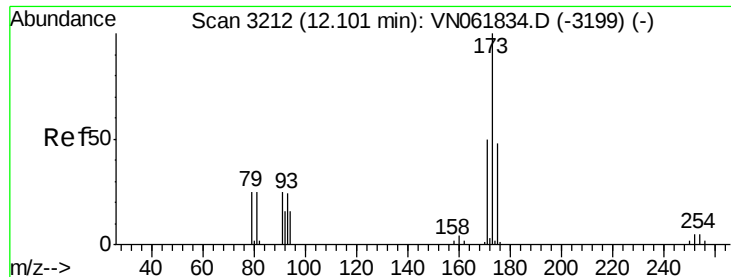
Abundance

Ion 116.90 (116.60 to 117.60): VN061834.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN061834.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN061834.D (-2973) (-)





#71

Bromoform

Concen: 0.731 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.28 min

Lab File: VN061921.D

Acq: 19 Jun 2020 00:53

Instrument :

MSVOA_N

ClientSampled :

PB129618TB

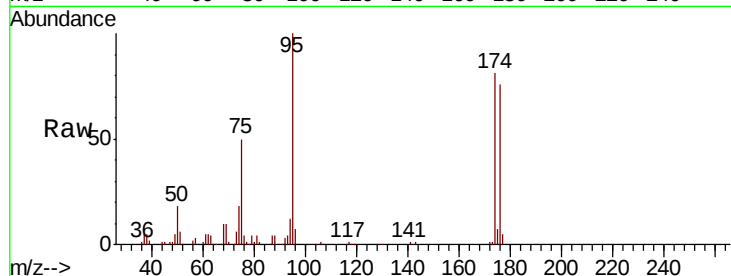
Tot Ion:173 Resp: 952

Ion Ratio Lower Upper

173 100

175 564.9 23.9 71.7#

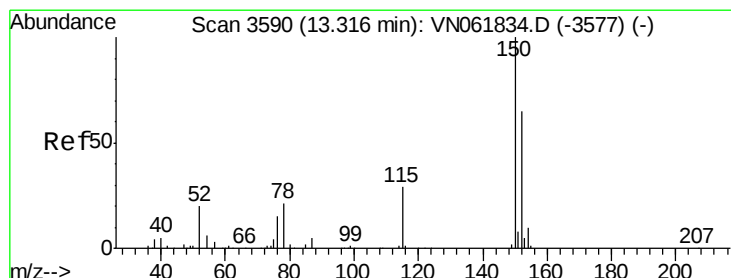
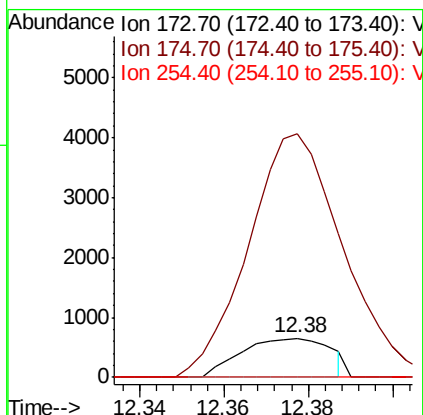
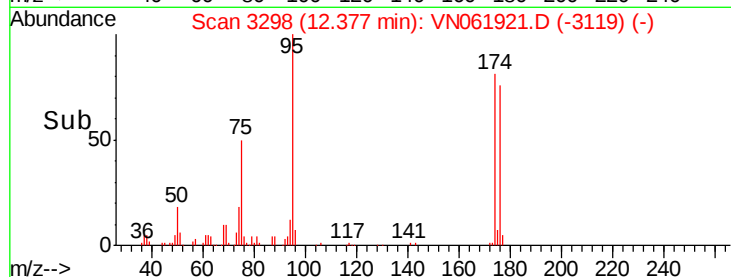
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061921.D

Acq: 19 Jun 2020 00:53

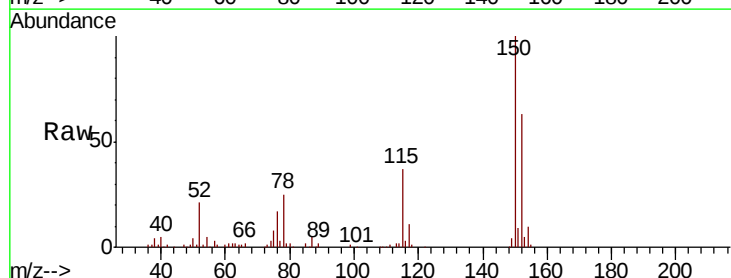
Tgt Ion:152 Resp: 92226

Ion Ratio Lower Upper

152 100

115 59.1 29.1 87.3

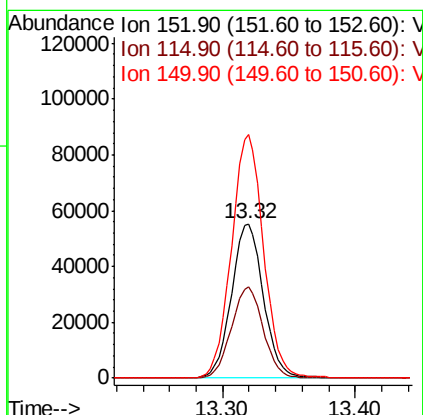
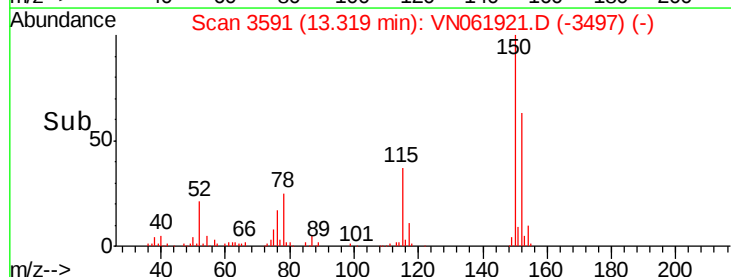
150 158.9 0.0 347.6

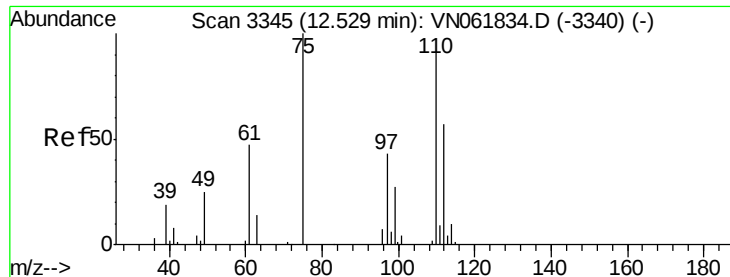


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.268 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061921.D

Acq: 19 Jun 2020 00:53

Instrument :

MSVOA_N

ClientSampleId :

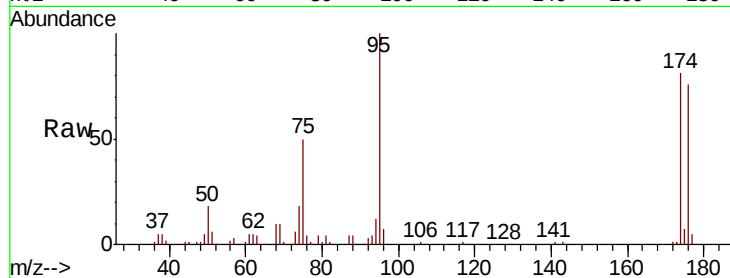
PB129618TB

Tot Ion: 75 Resp: 51183

Ion Ratio Lower Upper

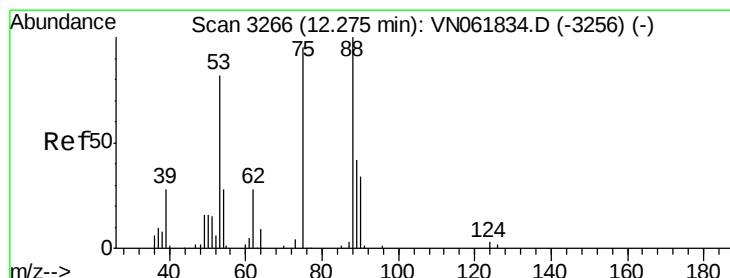
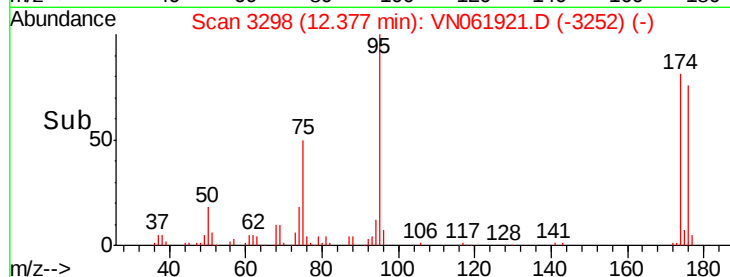
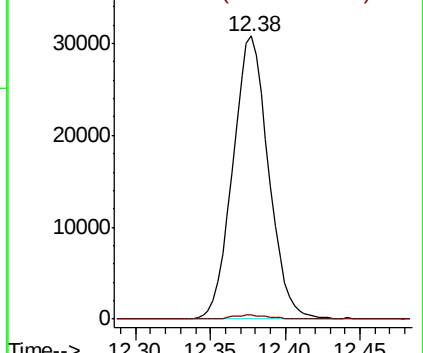
75 100

77 1.4 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: 77.099 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061921.D

Acq: 19 Jun 2020 00:53

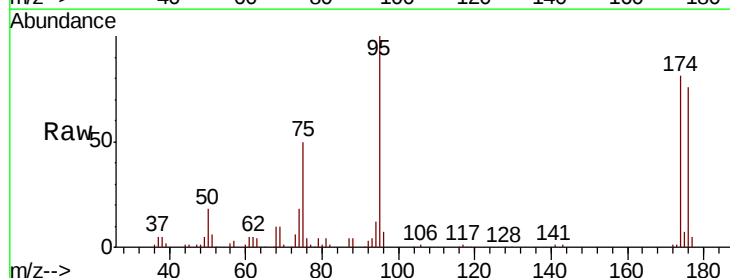
Tgt Ion: 75 Resp: 51183

Ion Ratio Lower Upper

75 100

53 0.0 70.4 105.6#

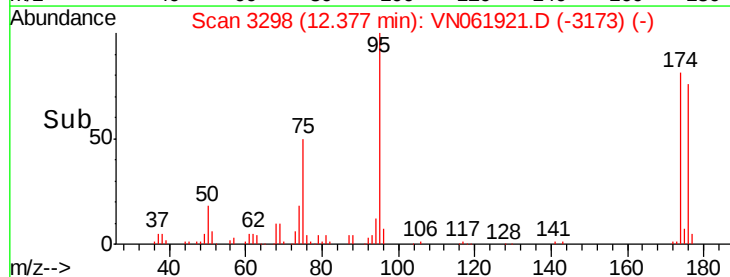
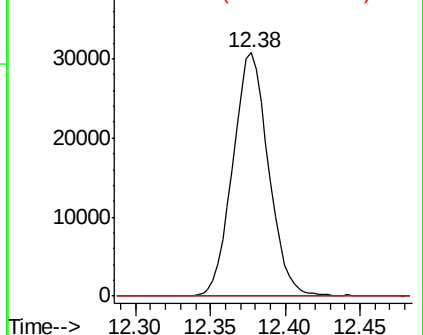
89 0.0 36.0 54.0#

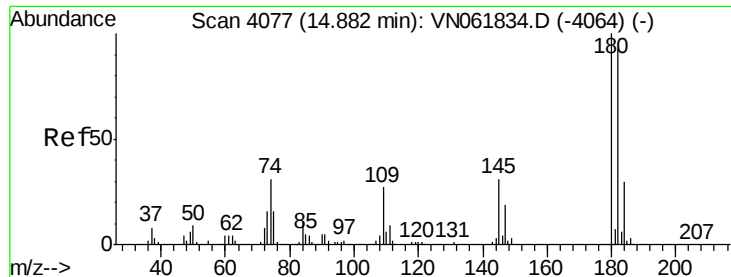


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

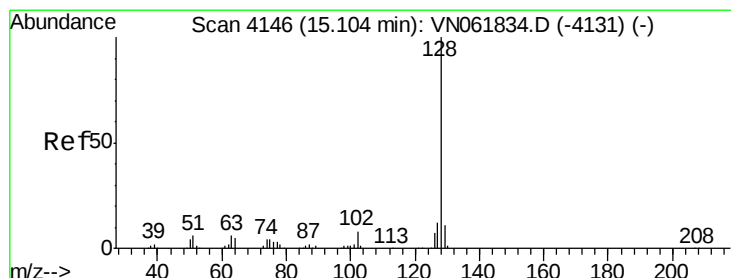
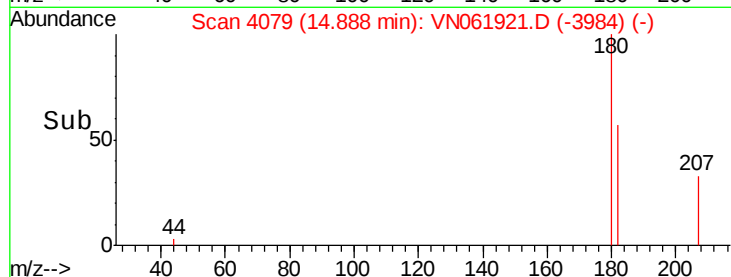
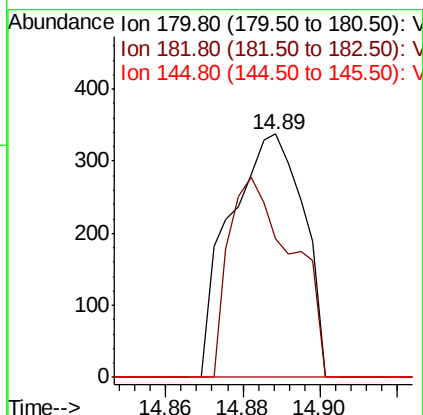
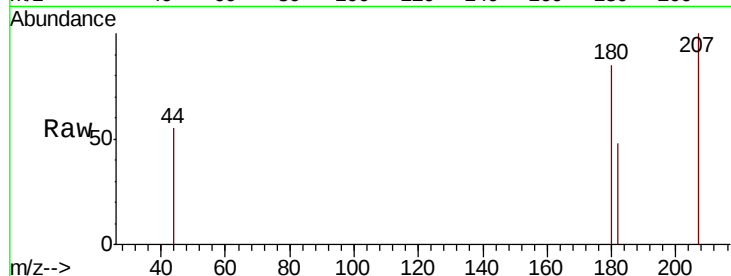




#93
 1,2,4-Trichlorobenzene
 Concen: 0.326 ug/l
 RT: 14.89 min Scan# 4079
 Delta R.T. 0.01 min
 Lab File: VN061921.D
 Acq: 19 Jun 2020 00:53

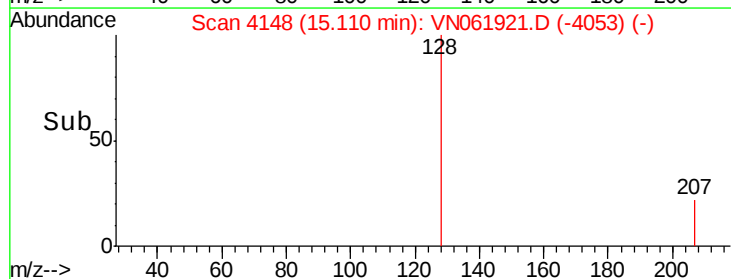
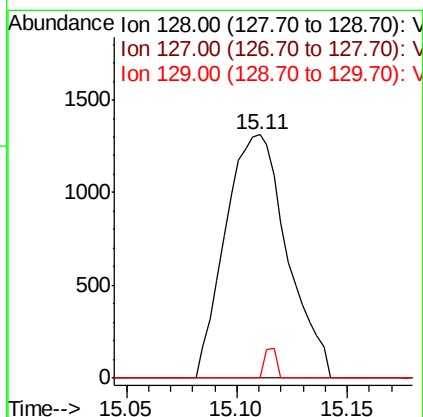
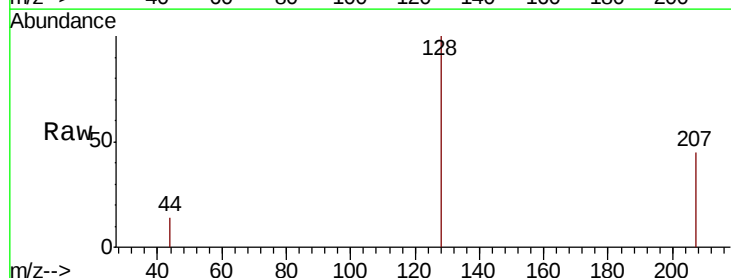
Instrument :
 MSVOA_N
 ClientSampled :
 PB129618TB

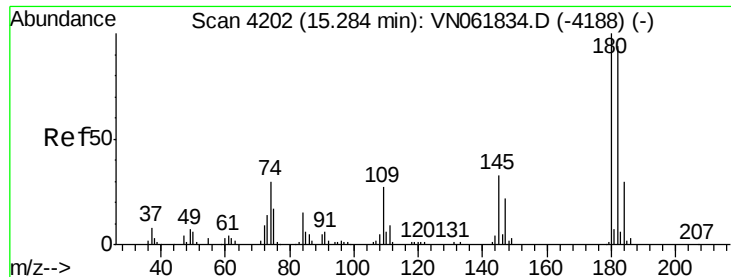
Tot Ion:180 Resp: 447
 Ion Ratio Lower Upper
 180 100
 182 71.1 47.0 141.2
 145 0.0 15.8 47.3#



#95
 Naphthalene
 Concen: 4.000 ug/l
 RT: 15.11 min Scan# 4148
 Delta R.T. 0.01 min
 Lab File: VN061921.D
 Acq: 19 Jun 2020 00:53

Tgt Ion:128 Resp: 2551
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 2.4 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.359 ug/l
 RT: 15.29 min Scan# 4203
 Delta R.T. 0.00 min
 Lab File: VN061921.D
 Acq: 19 Jun 2020 00:53

Instrument :
 MSVOA_N
 ClientSampleId :
 PB129618TB

Tot Ion	Ratio	Lower	Upper
180	100		
182	114.0	47.9	143.6
145	0.0	16.5	49.5

