

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060820\
 Data File : VN061692.D
 Acq On : 8 Jun 2020 13:47
 Operator : JC/MD
 Sample : L2921-09
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 Z1-DUP-0567-200604

Quant Time: Jun 09 03:11:32 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	300798	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	497128	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	487570	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	222483	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	163908	45.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.48%	
35) Dibromofluoromethane	7.55	113	146530	58.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.20%	
50) Toluene-d8	10.06	98	592803	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.38	95	213047	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	

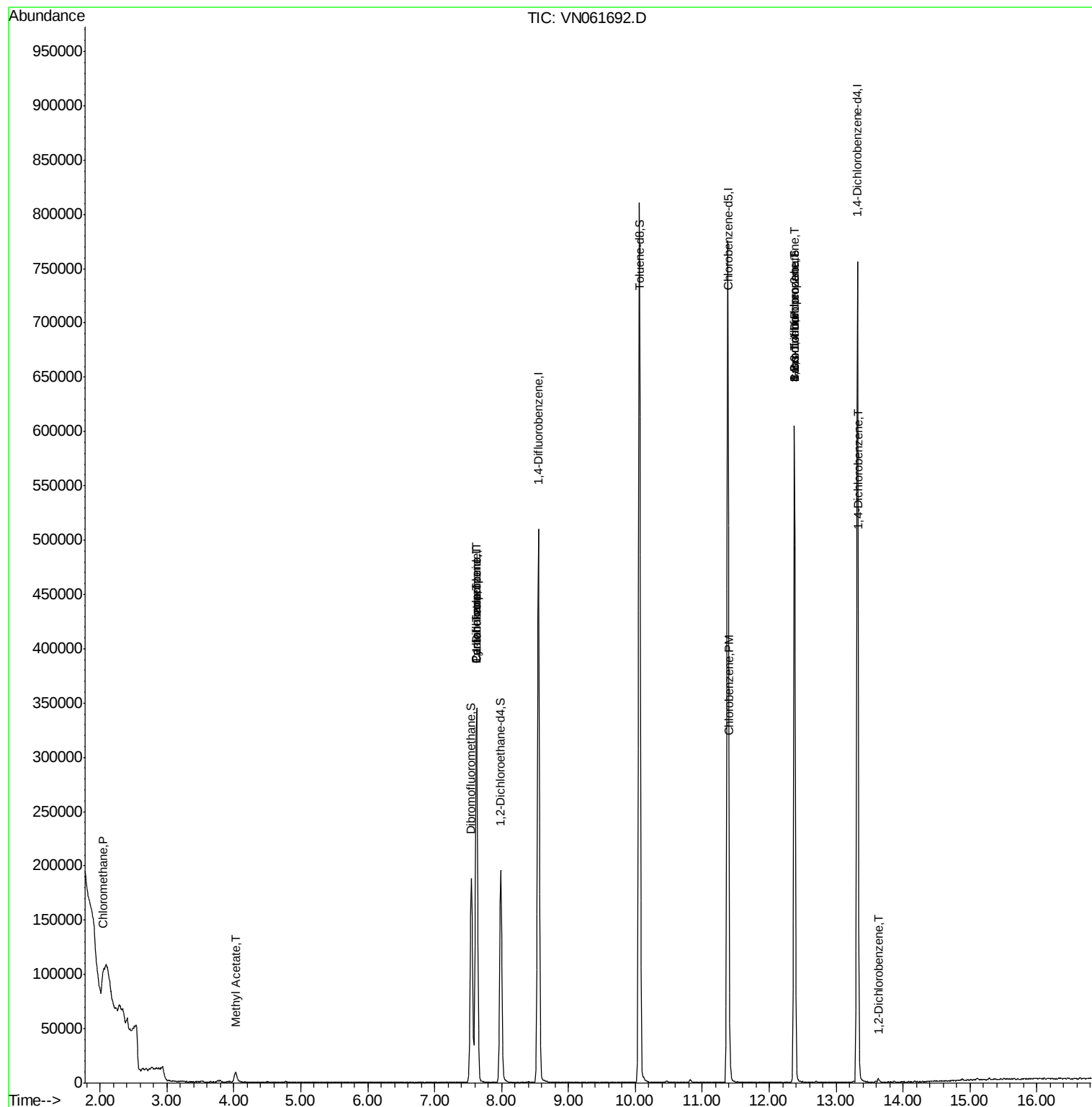
Target Compounds						Qvalue
3) Chloromethane	2.03	50	1466	0.40	ug/l	# 88
16) Acetone	3.78	43	3316	Below	Cal	# 83
18) Methyl Acetate	4.03	43	4259	1.31	ug/l	# 46
20) Methylene Chloride	4.49	84	99	Below	Cal	# 55
31) Cyclohexane	7.62	56	5478	1.08	ug/l	# 26
36) 1,1-Dichloropropene	7.63	75	20466	4.65	ug/l	# 47
38) Carbon Tetrachloride	7.63	117	28184	6.64	ug/l	# 16
65) Chlorobenzene	11.41	112	7528	0.74	ug/l	# 98
71) Bromoform	12.38	173	1547	0.53	ug/l	# 1
76) 1,2,3-Trichloropropane	12.38	75	101495	25.09	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.38	75	101495	64.16	ug/l	# 15
88) 1,4-Dichlorobenzene	13.34	146	2338	0.31	ug/l	# 5
91) 1,2-Dichlorobenzene	13.63	146	1889	0.27	ug/l	# 98

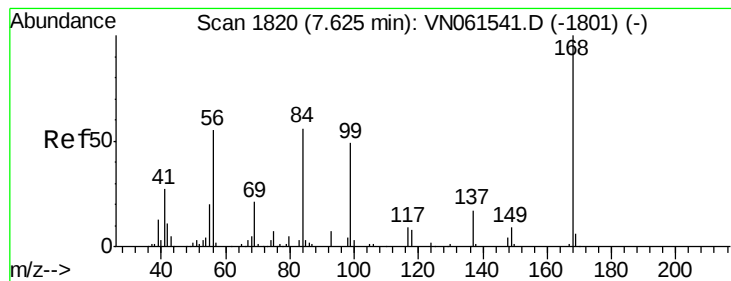
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061692.D

Acq: 8 Jun 2020 13:47

Instrument :

MSVOA_N

ClientSampleId :

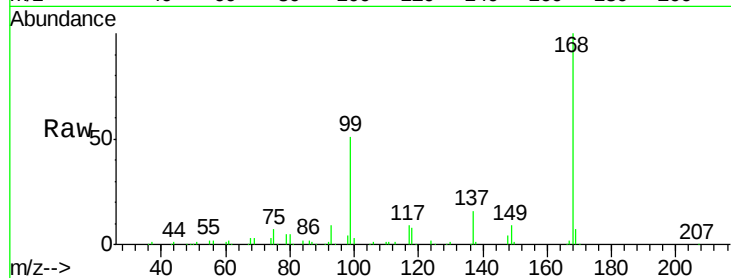
Z1-DUP-0567-200604

Tgt Ion:168 Resp: 300798

Ion Ratio Lower Upper

168 100

99 50.8 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.63

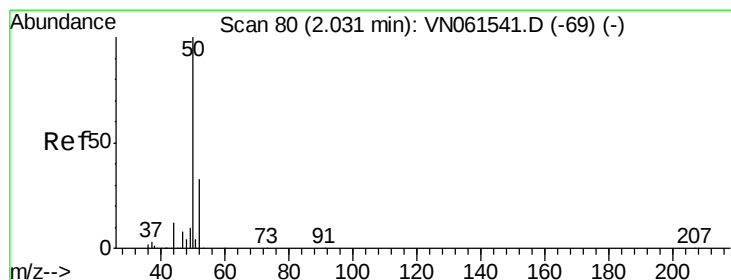
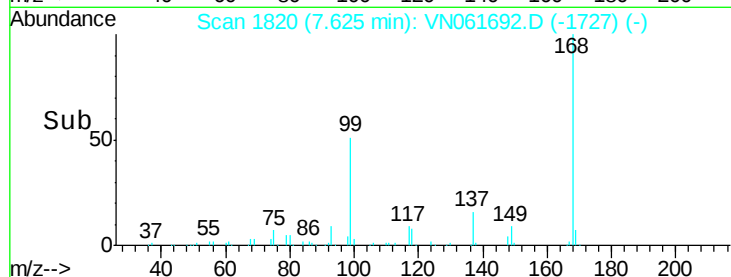
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.40 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061692.D

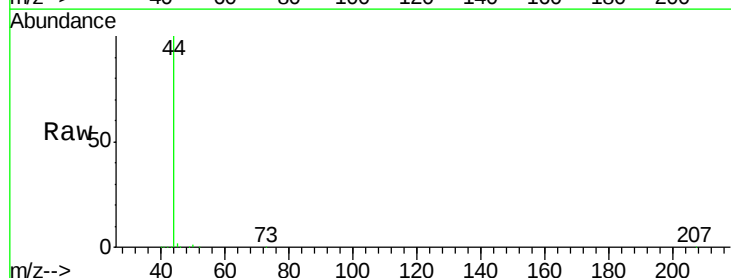
Acq: 8 Jun 2020 13:47

Tgt Ion: 50 Resp: 1466

Ion Ratio Lower Upper

50 100

52 40.3 26.7 40.1#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.03

1000

800

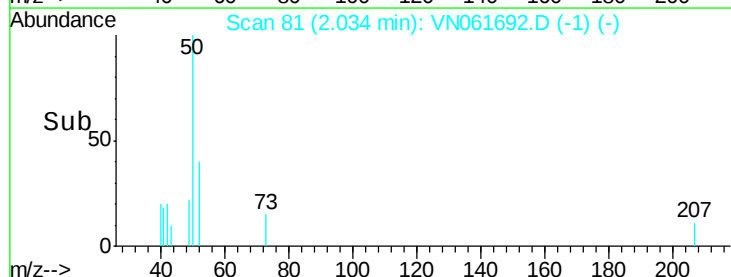
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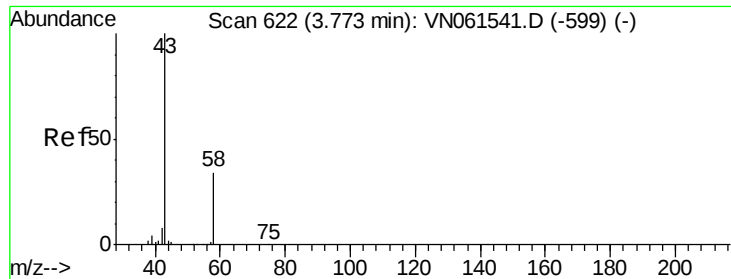
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200

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Time-->

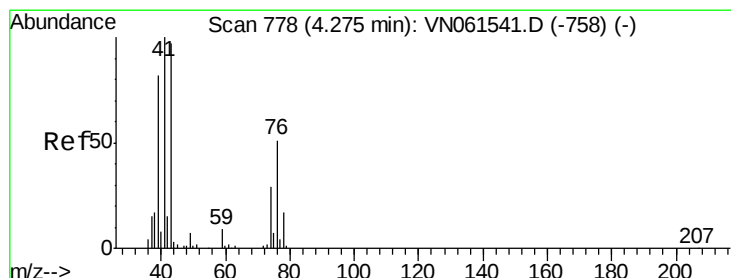
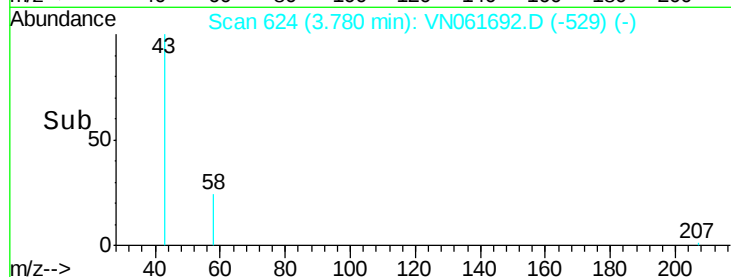
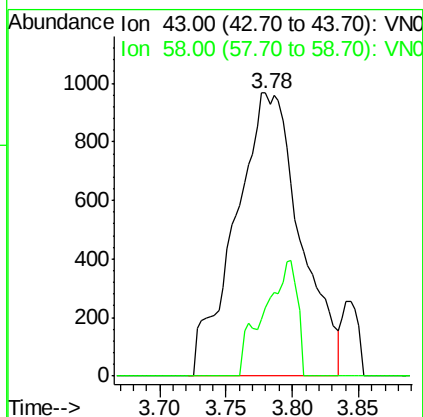
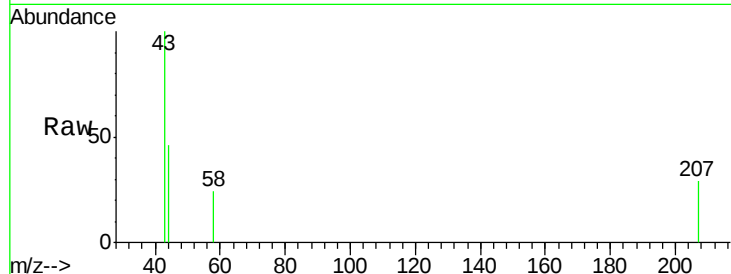




#16
Acetone
Concen: Below Cal
RT: 3.78 min Scan# 624
Delta R.T. 0.01 min
Lab File: VN061692.D
Acq: 8 Jun 2020 13:47

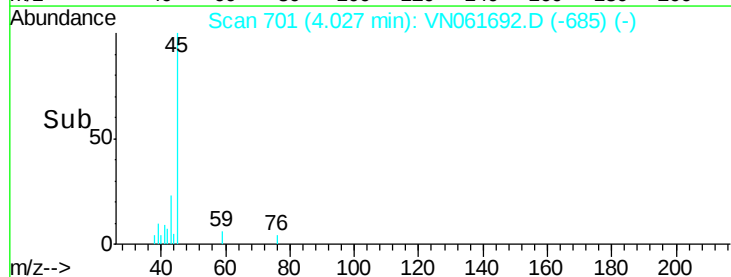
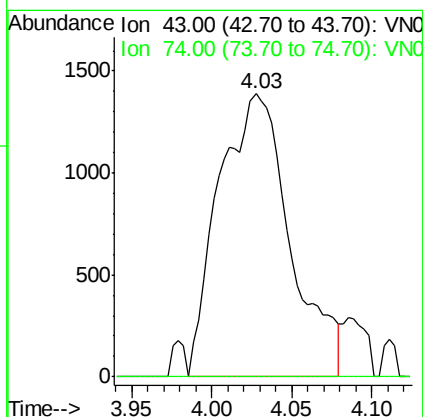
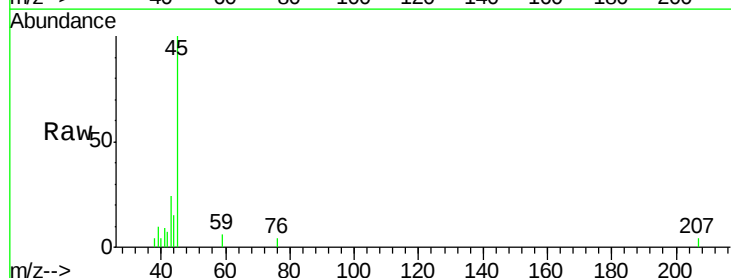
Instrument :
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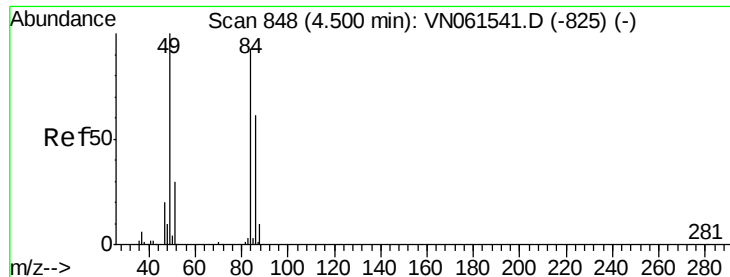
Tgt Ion: 43 Resp: 3316
Ion Ratio Lower Upper
43 100
58 24.2 27.2 40.8#



#18
Methyl Acetate
Concen: 1.31 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.25 min
Lab File: VN061692.D
Acq: 8 Jun 2020 13:47

Tgt Ion: 43 Resp: 4259
Ion Ratio Lower Upper
43 100
74 0.0 23.2 34.8#

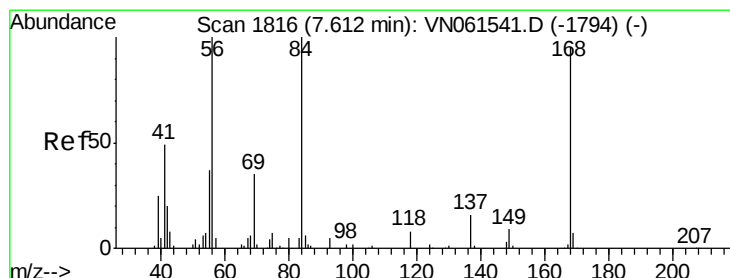
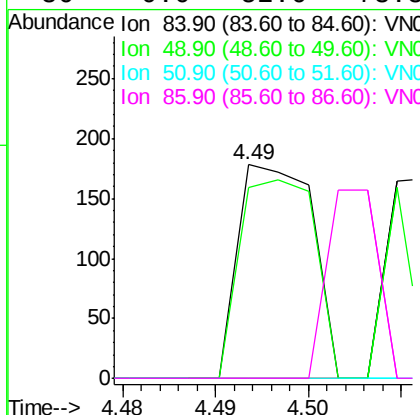
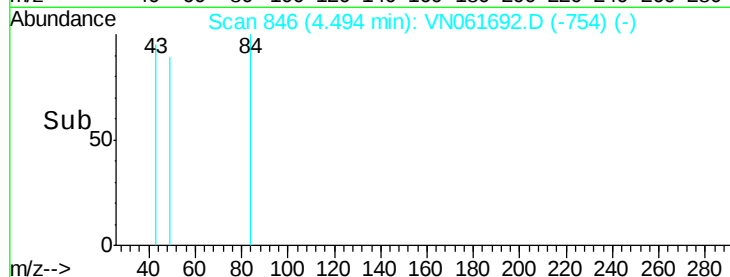
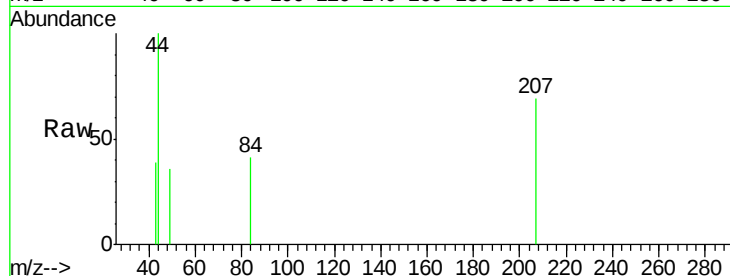




#20
Methylene Chloride
Concen: Below Cal
RT: 4.49 min Scan# 846
Delta R.T. -0.01 min
Lab File: VN061692.D
Acq: 8 Jun 2020 13:47

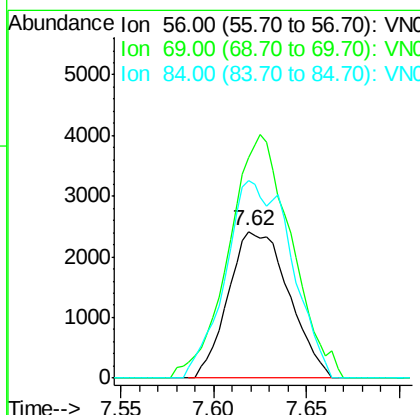
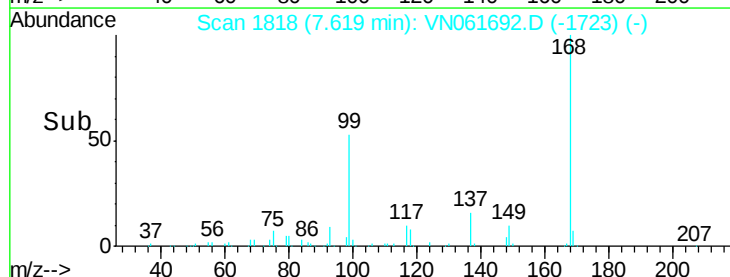
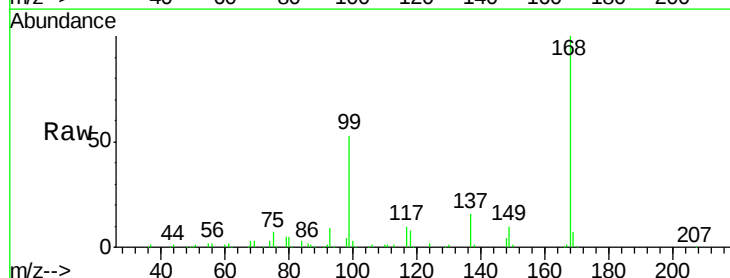
Instrument :
MSVOA_N
ClientSampleId :
Z1-DUP-0567-200604

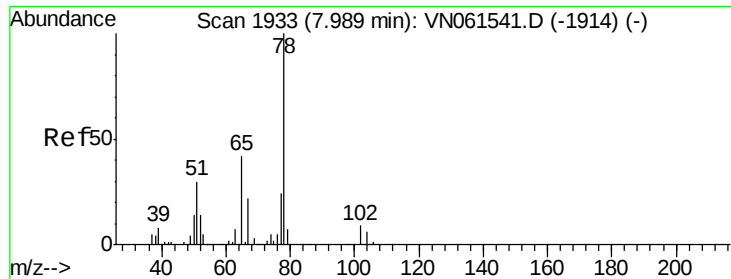
Tgt Ion: 84 Resp: 99
Ion Ratio Lower Upper
84 100
49 89.3 85.8 128.8
51 0.0 26.2 39.2#
86 0.0 52.6 78.8#



#31
Cyclohexane
Concen: 1.08 ug/l
RT: 7.62 min Scan# 1818
Delta R.T. 0.01 min
Lab File: VN061692.D
Acq: 8 Jun 2020 13:47

Tgt Ion: 56 Resp: 5478
Ion Ratio Lower Upper
56 100
69 144.0 27.8 41.8#
84 134.6 79.9 119.9#

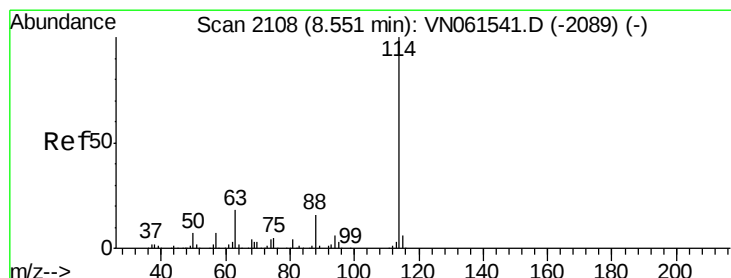
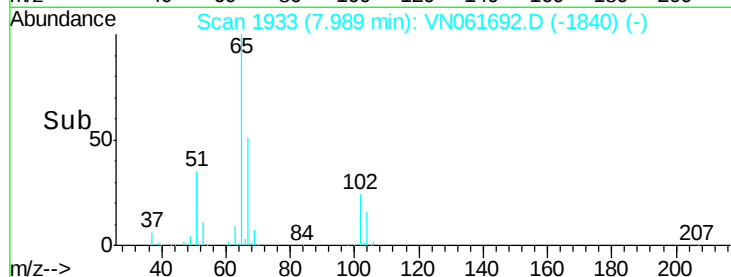
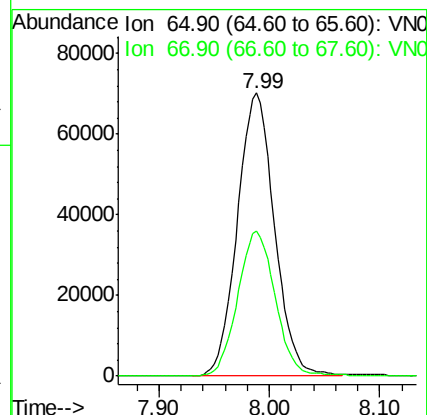
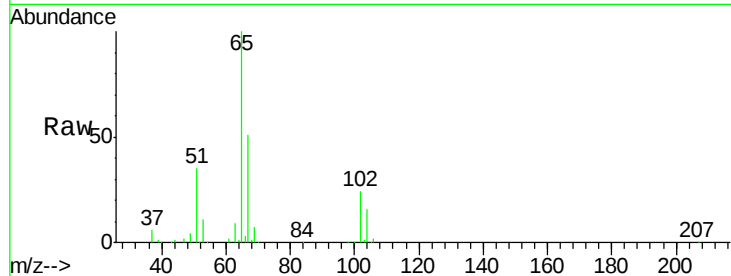




#33
 1,2-Dichloroethane-d4
 Concen: 45.74 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061692.D
 Acq: 8 Jun 2020 13:47

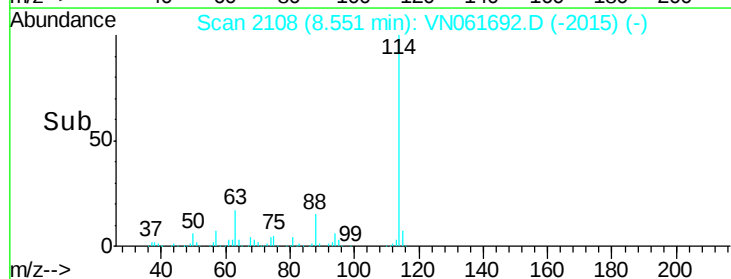
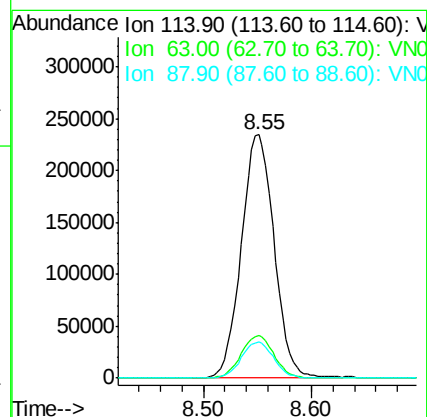
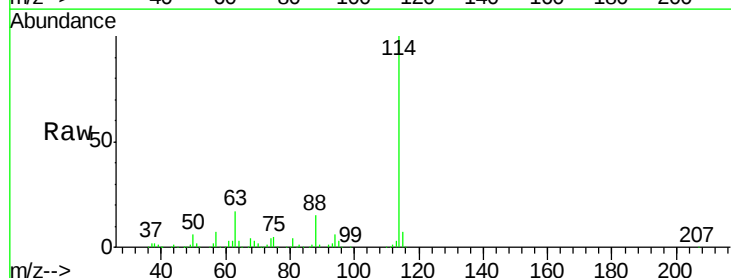
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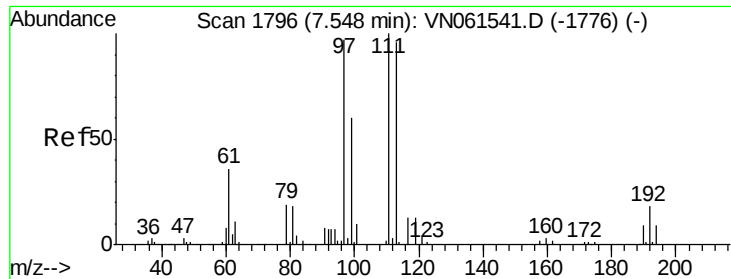
Tgt Ion: 65 Resp: 163908
 Ion Ratio Lower Upper
 65 100
 67 52.0 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061692.D
 Acq: 8 Jun 2020 13:47

Tgt Ion: 114 Resp: 497128
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 35.8
 88 15.0 0.0 31.0

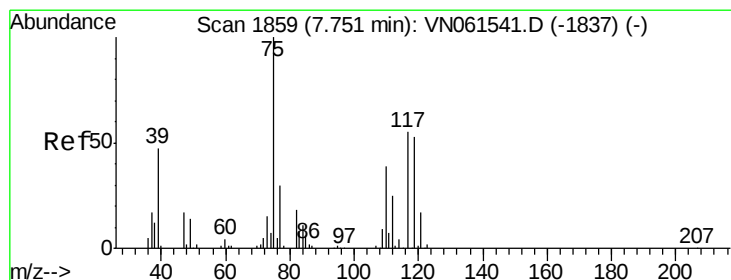
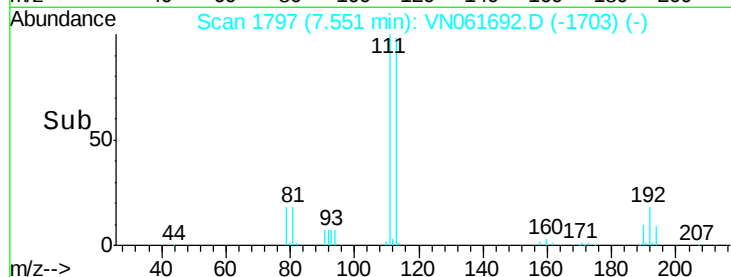
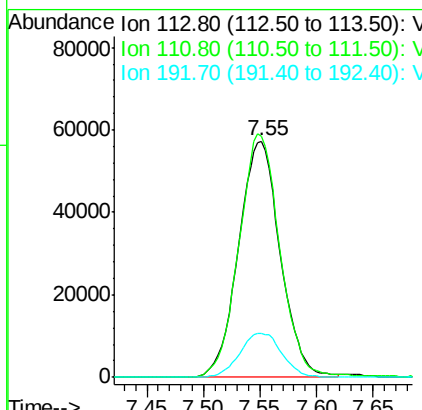
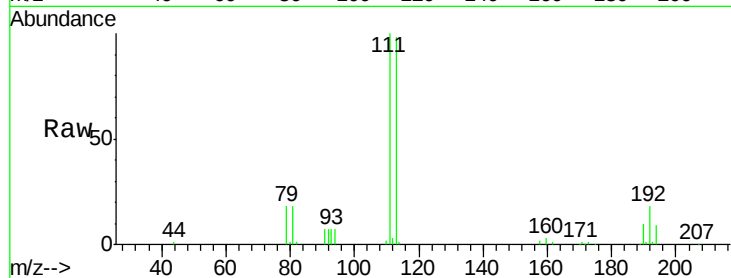




#35
 Dibromofluoromethane
 Concen: 58.10 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN061692.D
 Acq: 8 Jun 2020 13:47

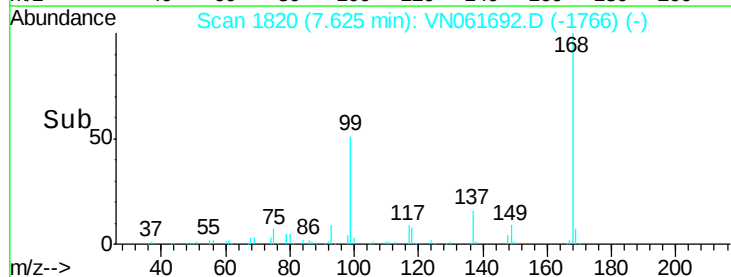
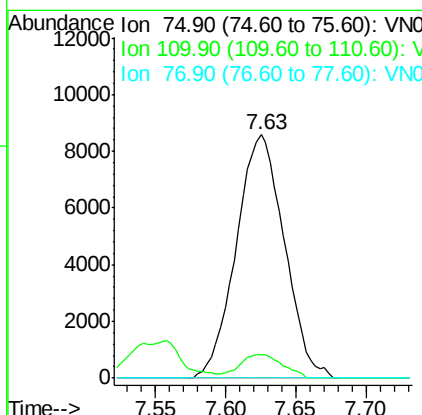
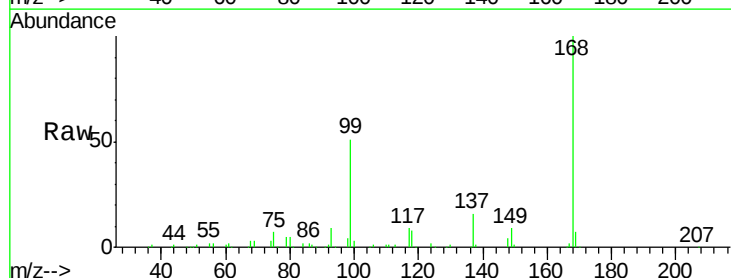
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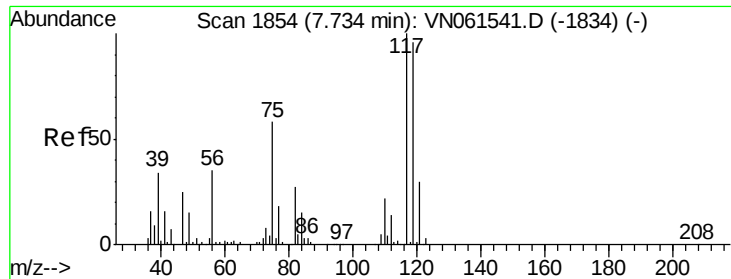
Tgt Ion:113 Resp: 146530
 Ion Ratio Lower Upper
 113 100
 111 101.8 83.4 125.0
 192 19.0 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 4.65 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061692.D
 Acq: 8 Jun 2020 13:47

Tgt Ion: 75 Resp: 20466
 Ion Ratio Lower Upper
 75 100
 110 8.7 19.5 58.5#
 77 0.0 24.7 37.1#

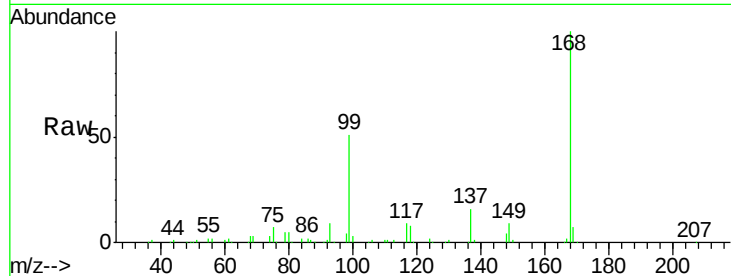




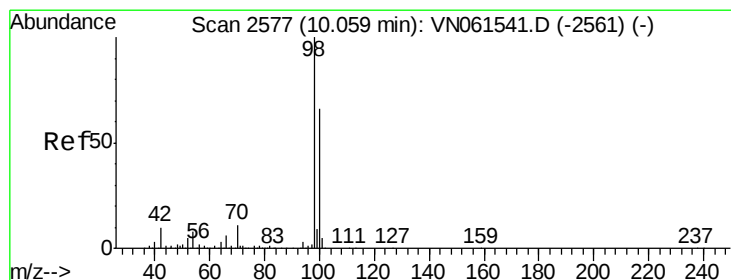
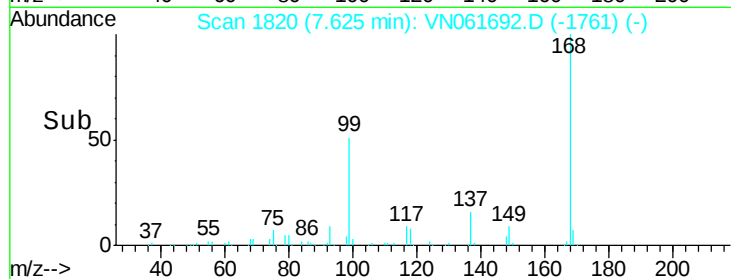
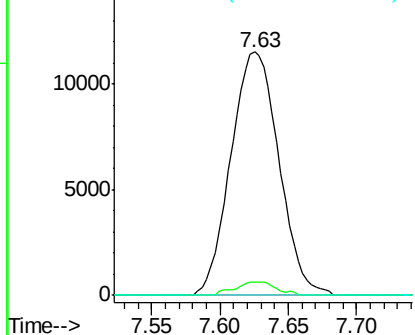
#38
Carbon Tetrachloride
Concen: 6.64 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN061692.D
Acq: 8 Jun 2020 13:47

Instrument :
MSVOA_N
ClientSampleId :
Z1-DUP-0567-200604

Tgt Ion: 117 Resp: 28184
Ion Ratio Lower Upper
117 100
119 5.3 76.5 114.7#
121 0.0 24.1 36.1#

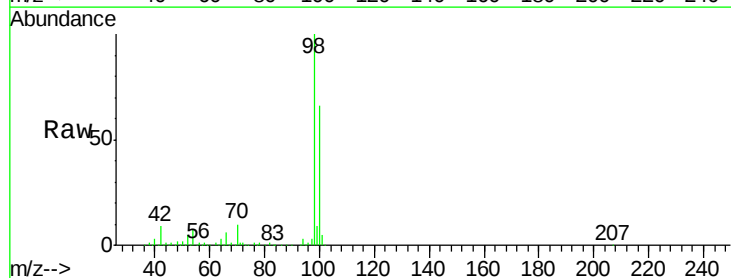


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

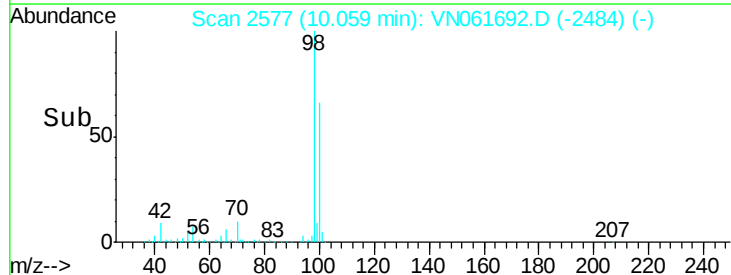
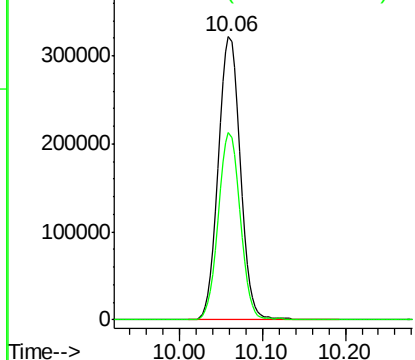


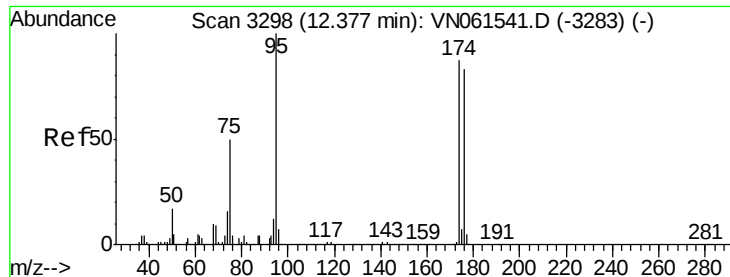
#50
Toluene-d8
Concen: 50.73 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN061692.D
Acq: 8 Jun 2020 13:47

Tgt Ion: 98 Resp: 592803
Ion Ratio Lower Upper
98 100
100 65.4 52.8 79.2



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





#62

4-Bromofluorobenzene

Concen: 49.97 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061692.D

Acq: 8 Jun 2020 13:47

Instrument :

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ClientSampleId :

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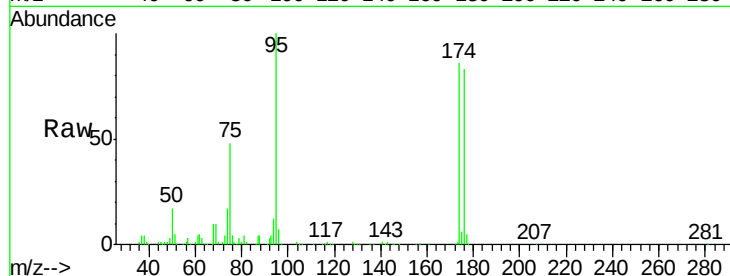
Tgt Ion: 95 Resp: 213047

Ion Ratio Lower Upper

95 100

174 86.0 0.0 172.8

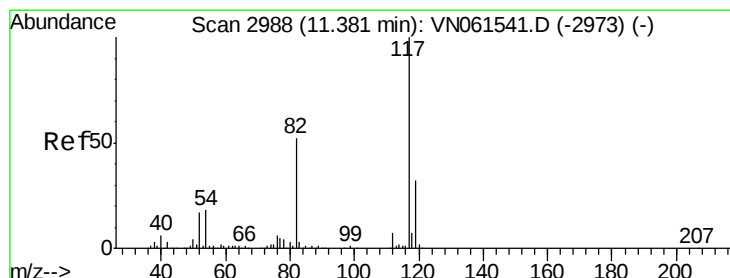
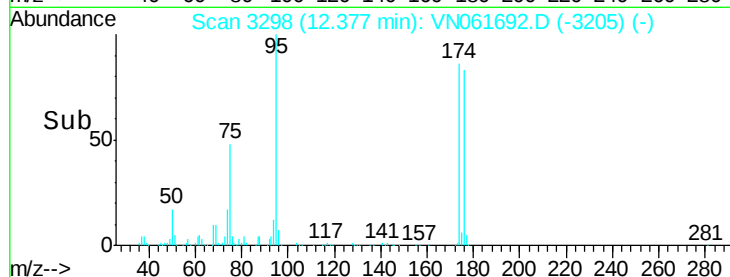
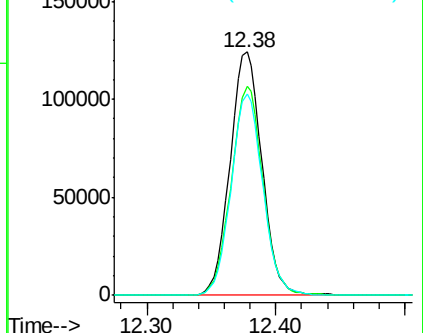
176 82.3 0.0 164.8



Abundance Ion 94.90 (94.60 to 95.60): VN061541.D (-3283) (-)

Ion 173.80 (173.50 to 174.50): VN061541.D (-3283) (-)

Ion 175.80 (175.50 to 176.50): VN061541.D (-3283) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN061692.D

Acq: 8 Jun 2020 13:47

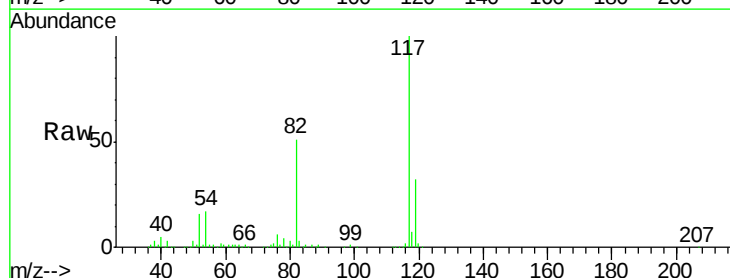
Tgt Ion: 117 Resp: 487570

Ion Ratio Lower Upper

117 100

82 51.5 41.5 62.3

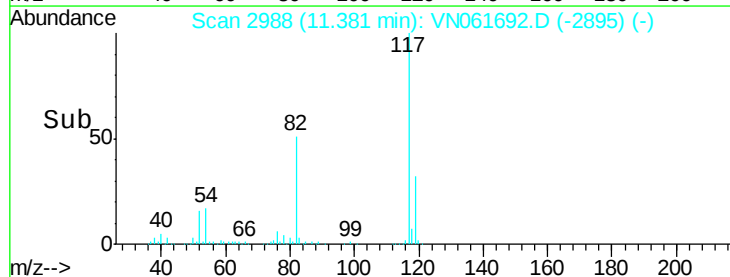
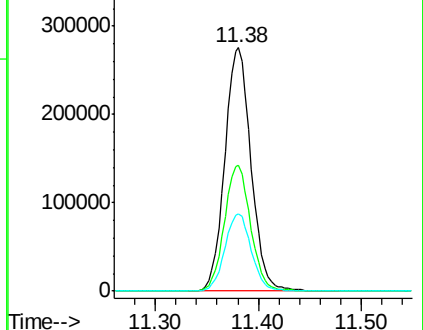
119 31.9 25.6 38.4

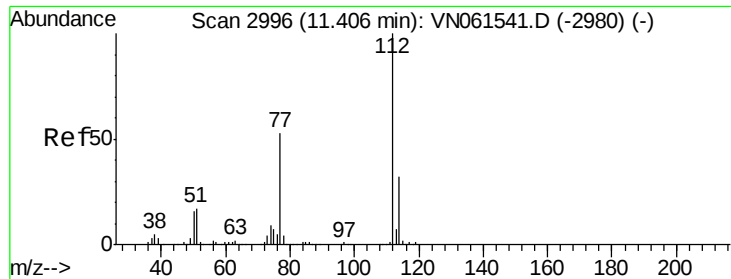


Abundance Ion 116.90 (116.60 to 117.60): VN061541.D (-2973) (-)

Ion 82.00 (81.70 to 82.70): VN061541.D (-2973) (-)

Ion 118.90 (118.60 to 119.60): VN061541.D (-2973) (-)

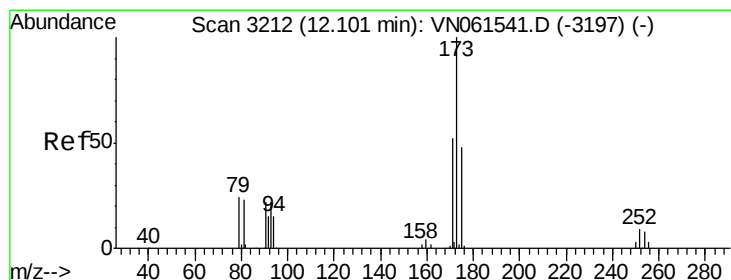
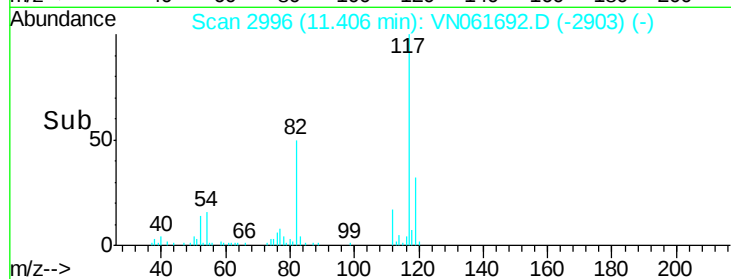
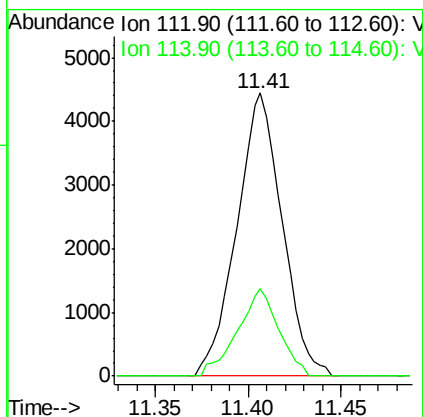
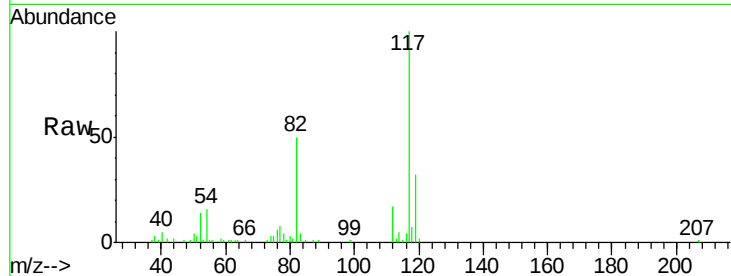




#65
Chlorobenzene
Concen: 0.74 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN061692.D
Acq: 8 Jun 2020 13:47

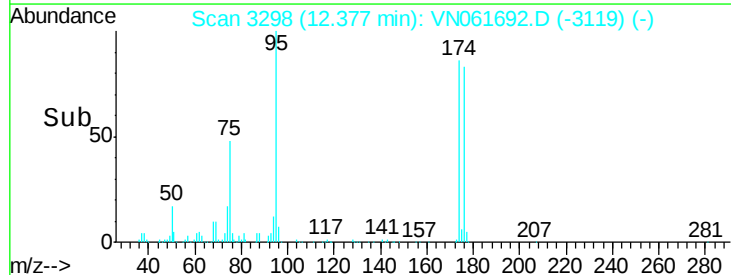
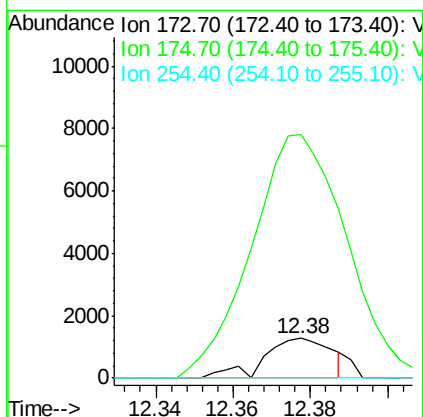
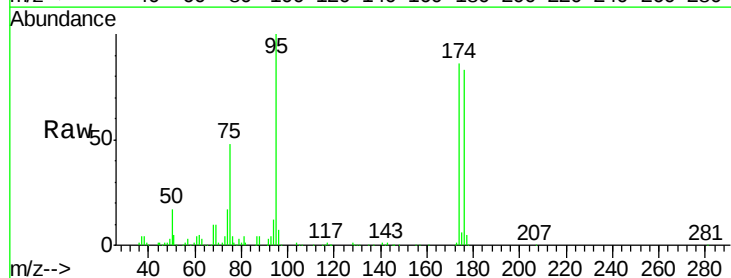
Instrument :
MSVOA_N
ClientSampleId :
Z1-DUP-0567-200604

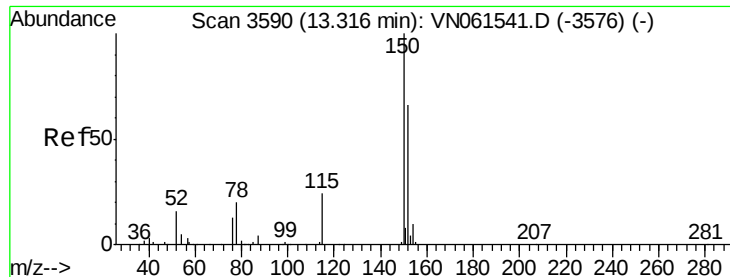
Tgt Ion:112 Resp: 7528
Ion Ratio Lower Upper
112 100
114 30.9 25.7 38.5



#71
Bromoform
Concen: 0.53 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN061692.D
Acq: 8 Jun 2020 13:47

Tgt Ion:173 Resp: 1547
Ion Ratio Lower Upper
173 100
175 728.1 24.4 73.2#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061692.D

Acq: 8 Jun 2020 13:47

Instrument :

MSVOA_N

ClientSampleId :

Z1-DUP-0567-200604

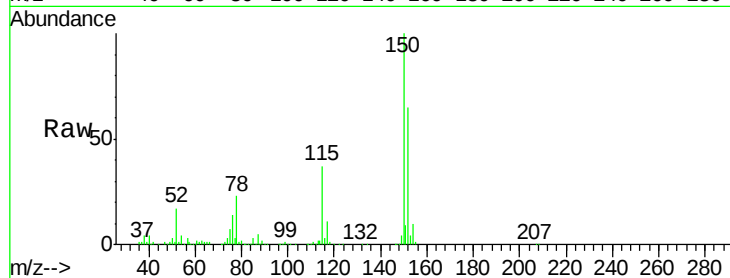
Tgt Ion:152 Resp: 222483

Ion Ratio Lower Upper

152 100

115 56.2 28.0 84.0

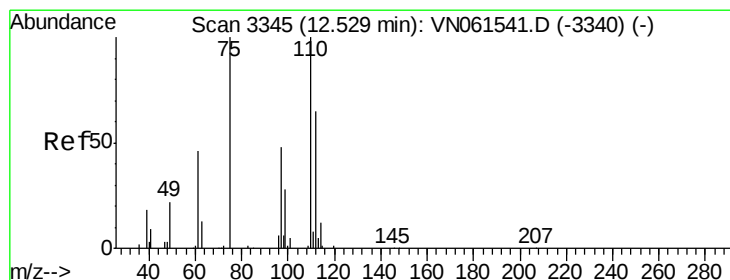
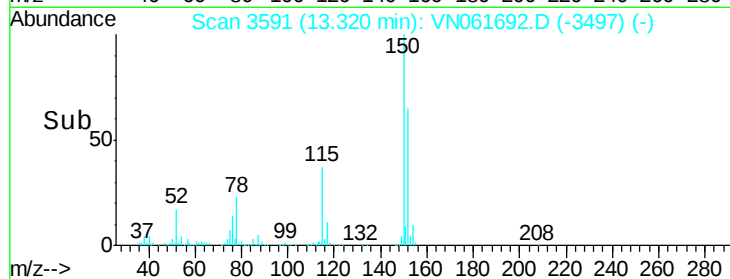
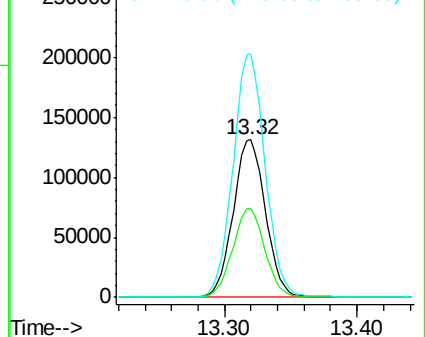
150 154.1 0.0 344.0



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



#76

1,2,3-Trichloropropane

Concen: 25.09 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061692.D

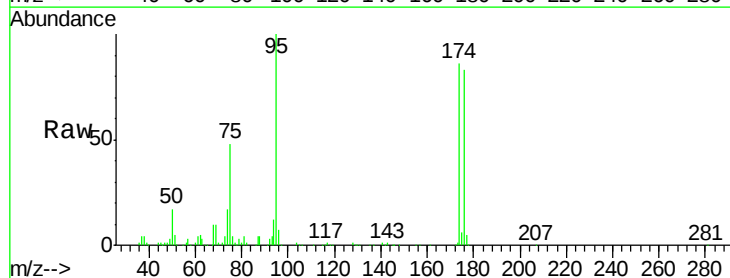
Acq: 8 Jun 2020 13:47

Tgt Ion: 75 Resp: 101495

Ion Ratio Lower Upper

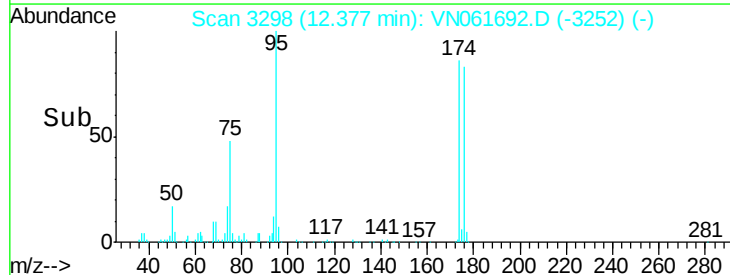
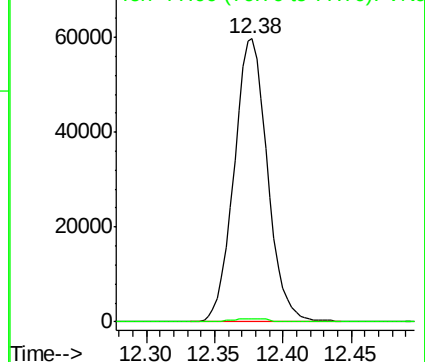
75 100

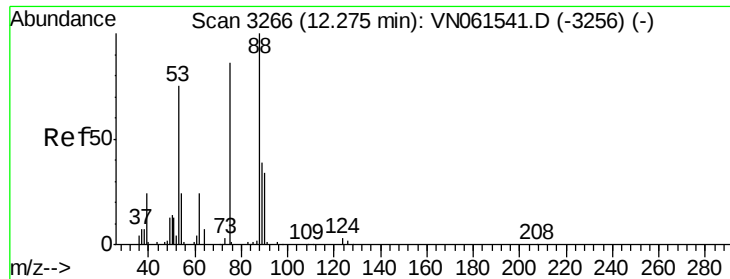
77 1.2 0.0 0.0#



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: 64.16 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061692.D

Acq: 8 Jun 2020 13:47

Instrument :

MSVOA_N

ClientSampleId :

Z1-DUP-0567-200604

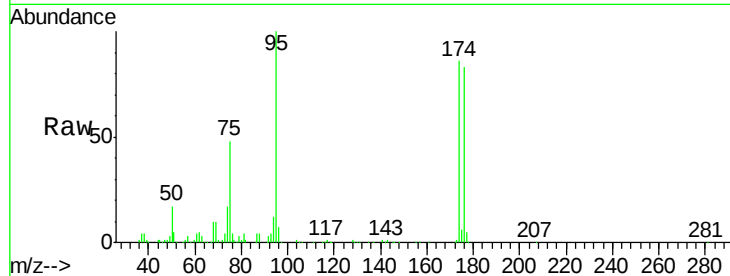
Tgt Ion: 75 Resp: 101495

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

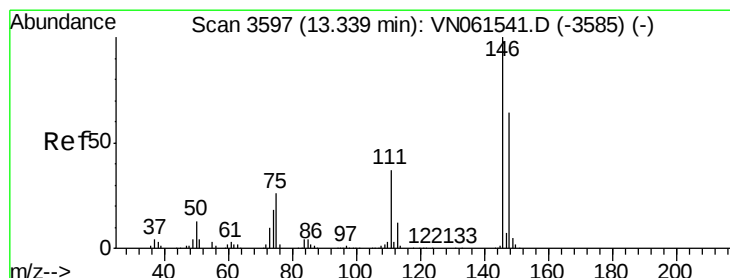
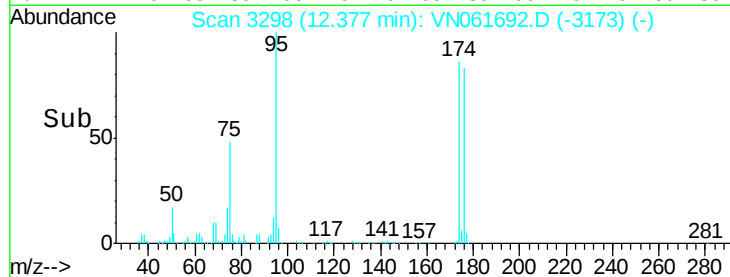
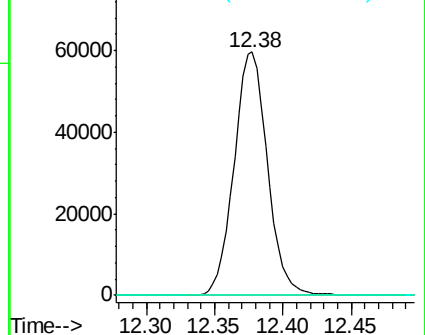
89 0.0 37.1 55.7#



Abundance Ion 74.90 (74.60 to 75.60): VN061692.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN061692.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN061692.D (-3173) (-)



#88

1,4-Dichlorobenzene

Concen: 0.31 ug/l

RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN061692.D

Acq: 8 Jun 2020 13:47

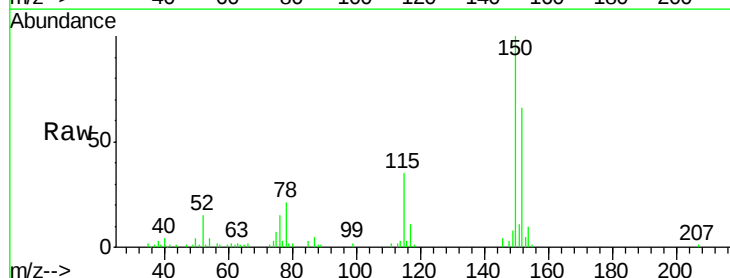
Tgt Ion: 146 Resp: 2338

Ion Ratio Lower Upper

146 100

111 145.7 18.9 56.9#

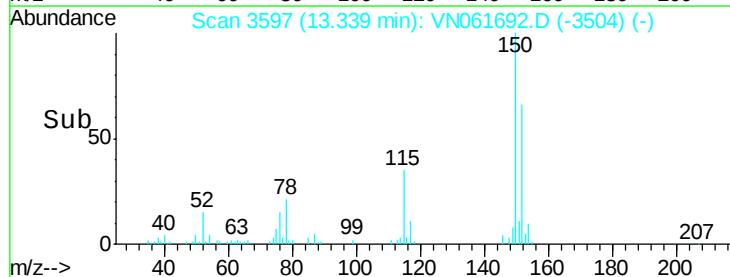
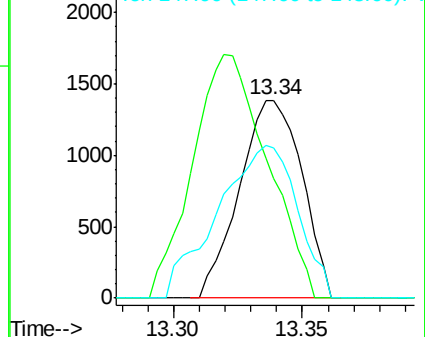
148 98.2 31.8 95.3#

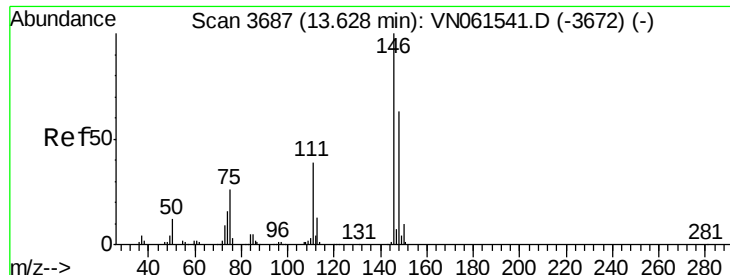


Abundance Ion 145.90 (145.60 to 146.60): VN061692.D (-3504) (-)

Ion 110.90 (110.60 to 111.60): VN061692.D (-3504) (-)

Ion 147.90 (147.60 to 148.60): VN061692.D (-3504) (-)





#91
 1,2-Dichlorobenzene
 Concen: 0.27 ug/l
 RT: 13.63 min Scan# 3688
 Delta R.T. 0.00 min
 Lab File: VN061692.D
 Acq: 8 Jun 2020 13:47

Instrument :
 MSVOA_N
 ClientSampleId :
 Z1-DUP-0567-200604

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.1	60.2
148	66.0	31.9	95.5

