

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN060820\
 Data File : VN061711.D
 Acq On : 8 Jun 2020 21:12
 Operator : JC/MD
 Sample : L2923-08 100X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 COMP-1

Quant Time: Jun 09 03:15:56 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	314139	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	544839	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	545208	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	251431	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.99	65	180457	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
35) Dibromofluoromethane	7.55	113	154498	55.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.80%	
50) Toluene-d8	10.06	98	653492	51.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.04%	
62) 4-Bromofluorobenzene	12.38	95	237970	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	

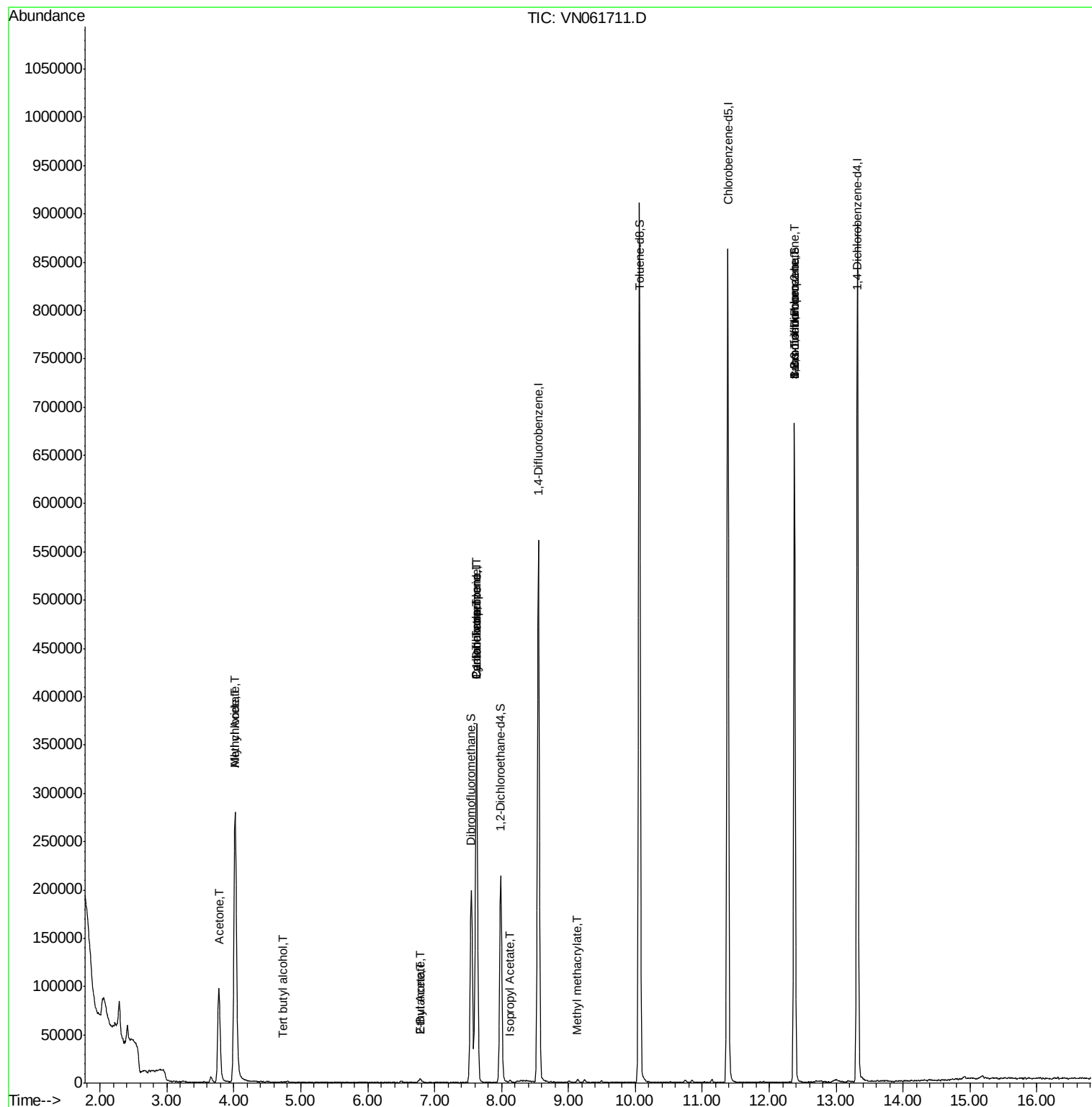
Target Compounds						Qvalue
11) Tert butyl alcohol	4.73	59	124	0.25	ug/l #	72
14) Allyl chloride	4.02	41	39638	9.45	ug/l #	65
16) Acetone	3.78	43	157624	150.34	ug/l	97
18) Methyl Acetate	4.02	43	102821	30.35	ug/l #	46
20) Methylene Chloride	4.49	84	129	Below	Cal #	43
25) 2-Butanone	6.79	43	1103	0.62	ug/l	97
31) Cyclohexane	7.62	56	5673	1.08	ug/l #	14
36) 1,1-Dichloropropene	7.63	75	21558	4.47	ug/l #	48
37) Ethyl Acetate	6.79	43	1103	0.28	ug/l #	66
38) Carbon Tetrachloride	7.63	117	30954	6.65	ug/l #	16
43) Isopropyl Acetate	8.13	43	3081	0.44	ug/l #	70
48) Methyl methacrylate	9.13	41	1073	0.34	ug/l #	29
71) Bromoform	12.38	173	1370	0.42	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	117665	25.74	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	117665	65.81	ug/l #	15

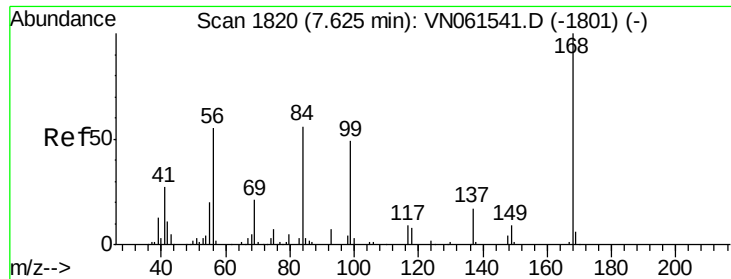
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN061711.D

Acq: 8 Jun 2020 21:12

Instrument :

MSVOA_N

ClientSampleId :

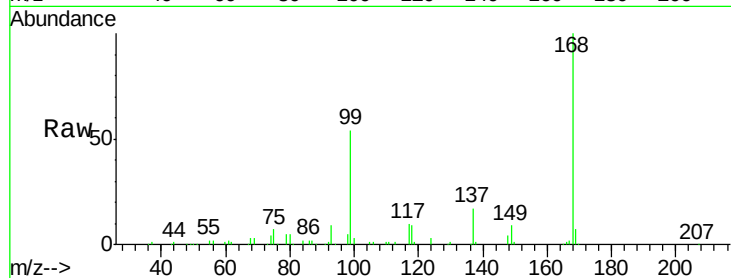
COMP-1

Tgt Ion: 168 Resp: 314139

Ion Ratio Lower Upper

168 100

99 54.1 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): VN061711.D (-1727) (-)

Ion 98.90 (98.60 to 99.60): VN061711.D (-1727) (-)

7.63

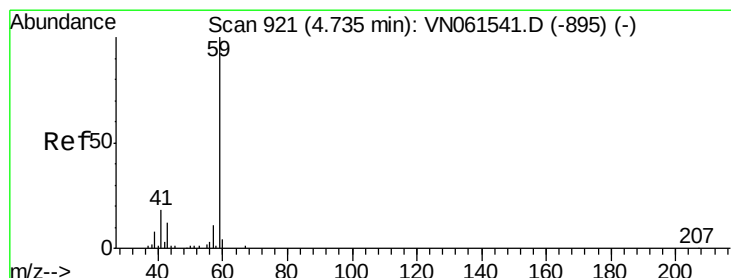
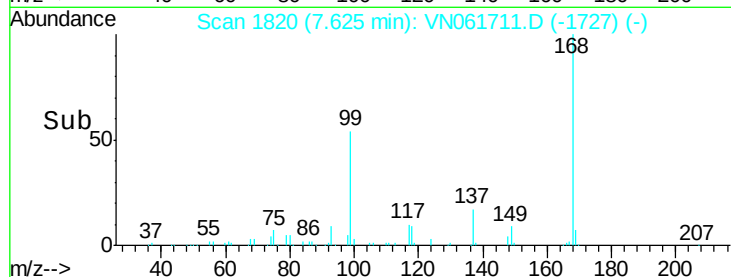
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#11

Tert butyl alcohol

Concen: 0.25 ug/l

RT: 4.73 min Scan# 920

Delta R.T. -0.00 min

Lab File: VN061711.D

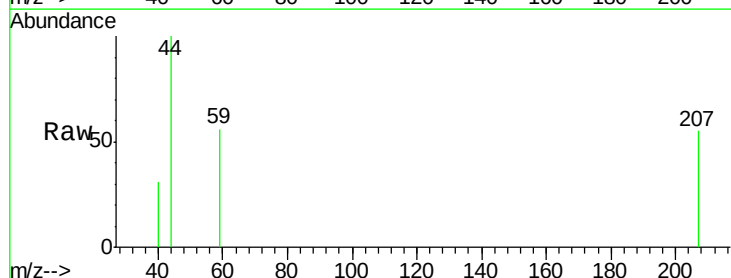
Acq: 8 Jun 2020 21:12

Tgt Ion: 59 Resp: 124

Ion Ratio Lower Upper

59 100

57 0.0 8.4 12.6#



Abundance Ion 59.00 (58.70 to 59.70): VN061711.D (-828) (-)

Ion 57.00 (56.70 to 57.70): VN061711.D (-828) (-)

4.73

300

250

200

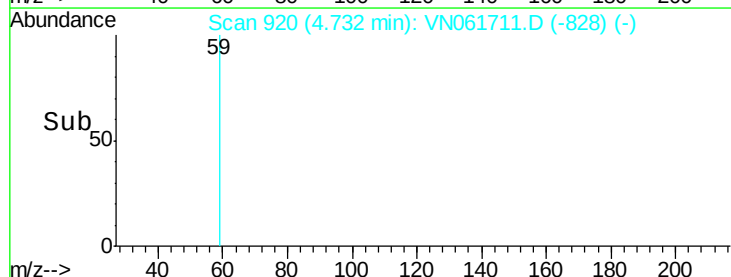
150

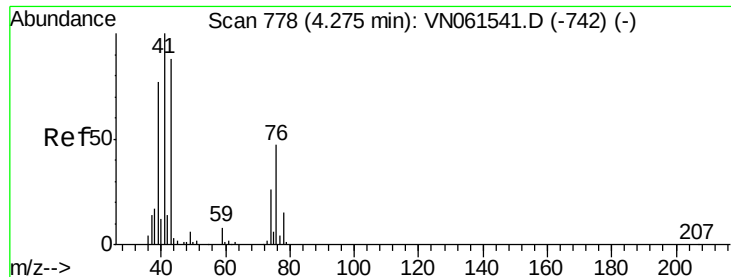
100

50

0

Time--> 4.71 4.72 4.73 4.74

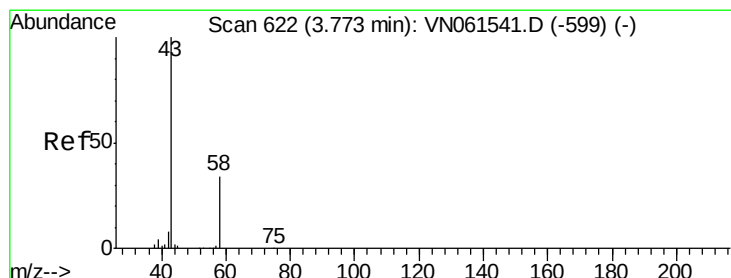
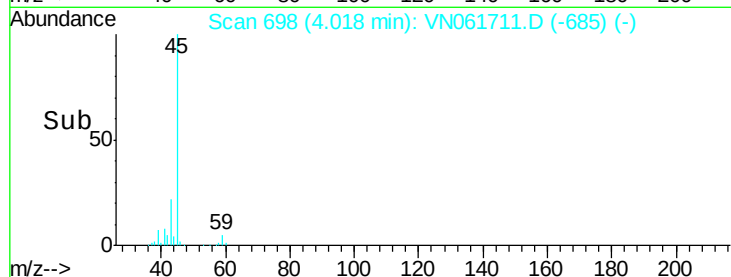
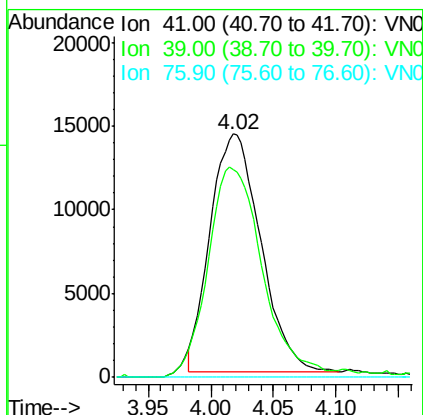
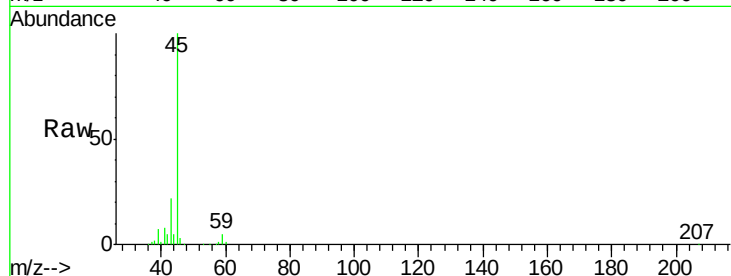




#14
 Allyl chloride
 Concen: 9.45 ug/l
 RT: 4.02 min Scan# 698
 Delta R.T. -0.26 min
 Lab File: VN061711.D
 Acq: 8 Jun 2020 21:12

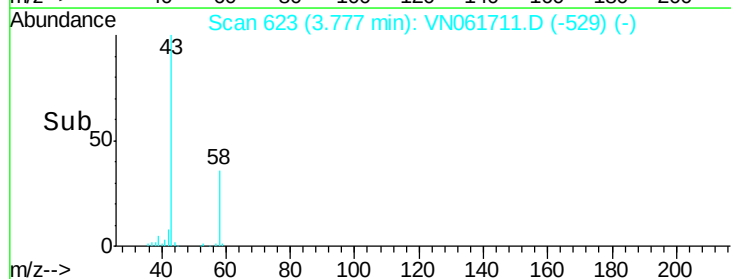
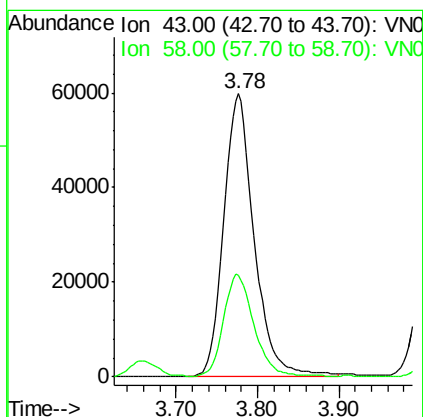
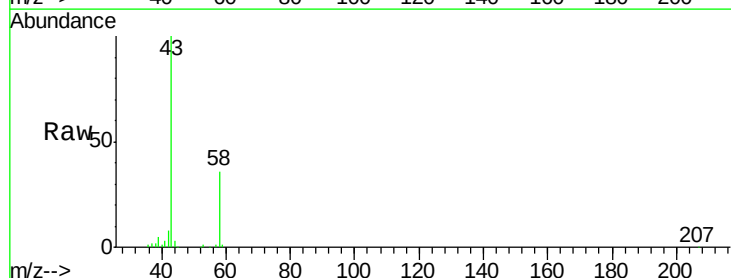
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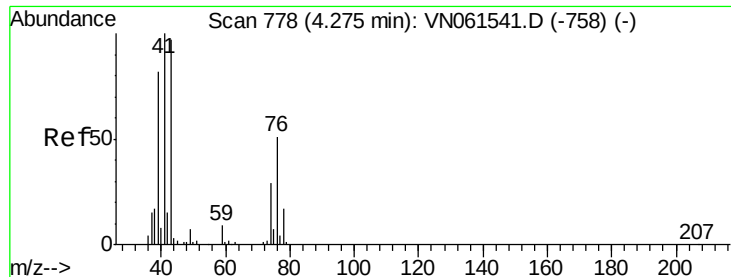
Tgt Ion: 41 Resp: 39638
 Ion Ratio Lower Upper
 41 100
 39 87.0 58.6 88.0
 76 0.0 34.2 51.4#



#16
 Acetone
 Concen: 150.34 ug/l
 RT: 3.78 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: VN061711.D
 Acq: 8 Jun 2020 21:12

Tgt Ion: 43 Resp: 157624
 Ion Ratio Lower Upper
 43 100
 58 35.9 27.2 40.8

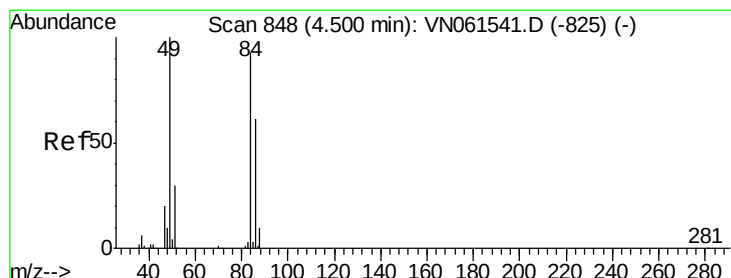
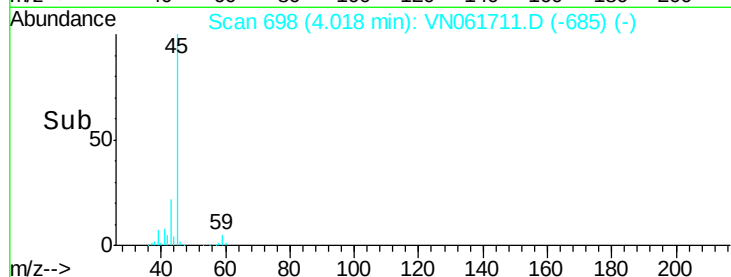
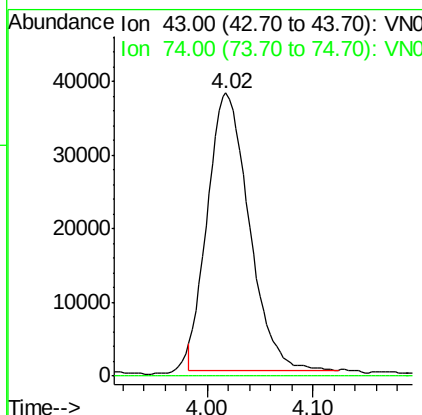
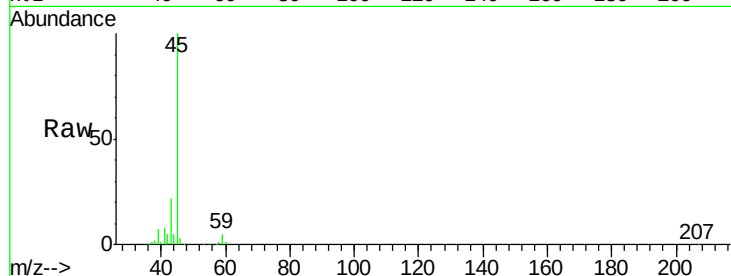




#18
Methyl Acetate
Concen: 30.35 ug/l
RT: 4.02 min Scan# 698
Delta R.T. -0.26 min
Lab File: VN061711.D
Acq: 8 Jun 2020 21:12

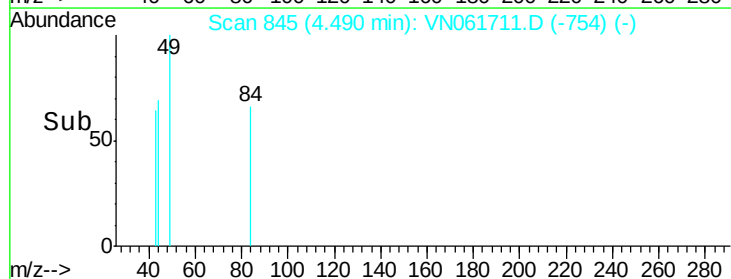
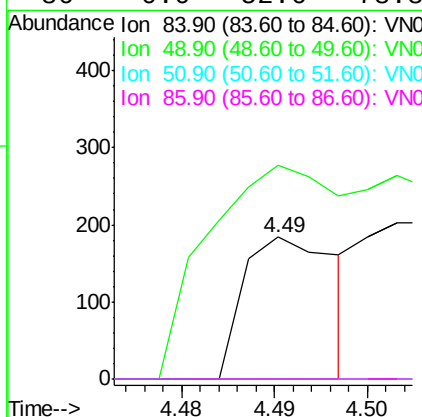
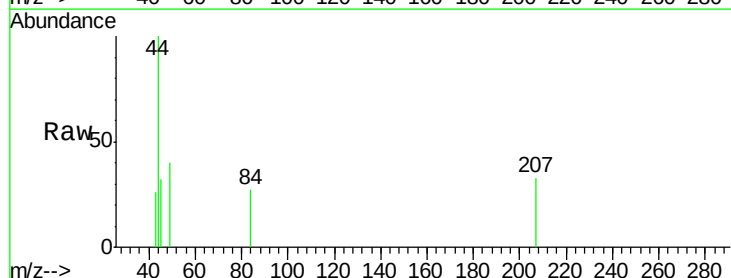
Instrument :
MSVOA_N
ClientSampleId :
COMP-1

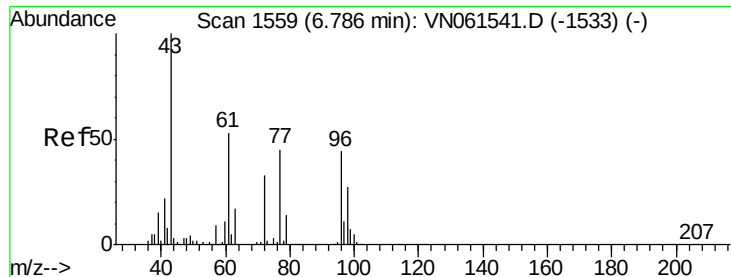
Tgt Ion: 43 Resp: 102821
Ion Ratio Lower Upper
43 100
74 0.0 23.2 34.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.49 min Scan# 845
Delta R.T. -0.01 min
Lab File: VN061711.D
Acq: 8 Jun 2020 21:12

Tgt Ion: 84 Resp: 129
Ion Ratio Lower Upper
84 100
49 64.7 85.8 128.8#
51 0.0 26.2 39.2#
86 0.0 52.6 78.8#

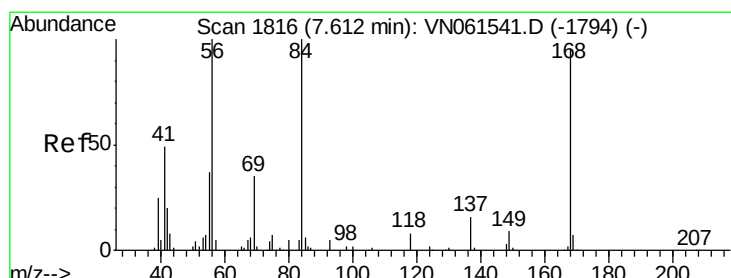
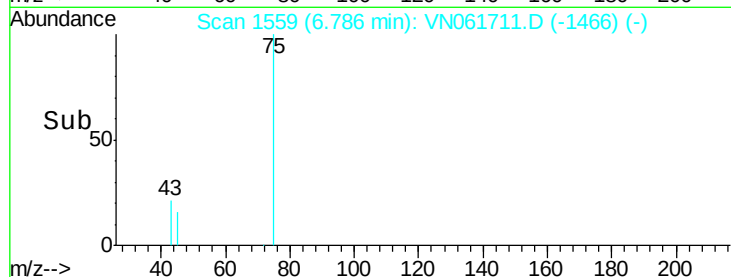
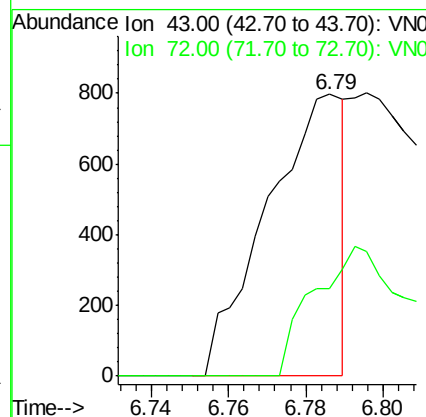
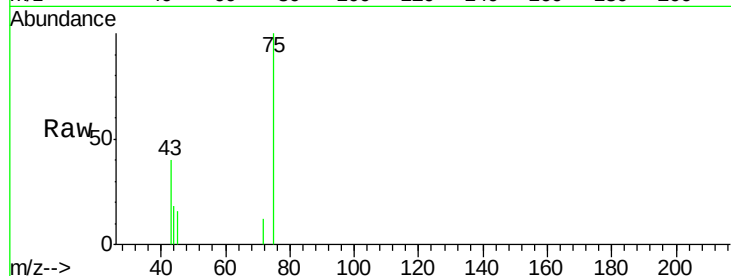




#25
2-Butanone
Concen: 0.62 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VN061711.D
Acq: 8 Jun 2020 21:12

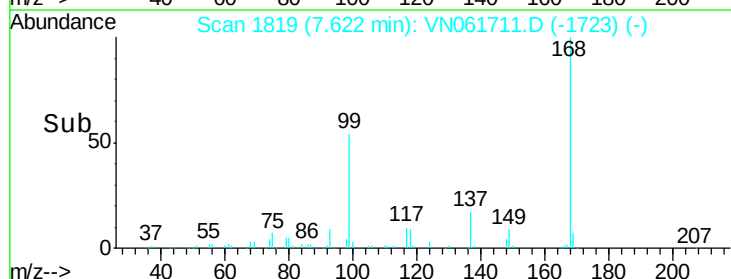
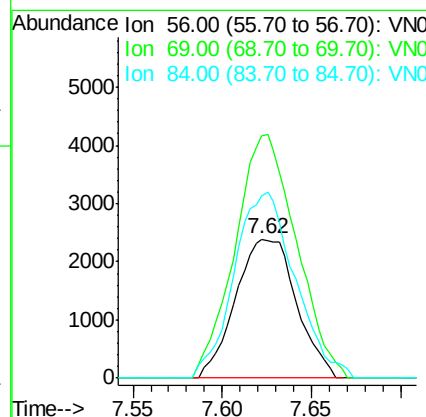
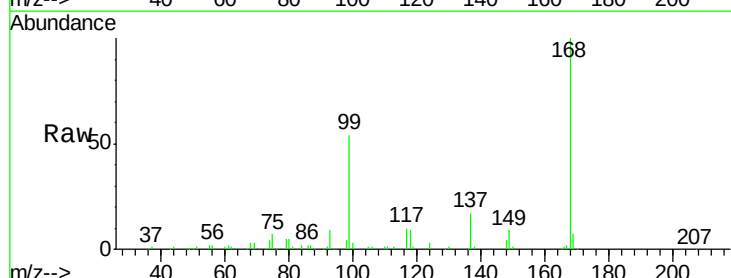
Instrument :
MSVOA_N
ClientSampled :
COMP-1

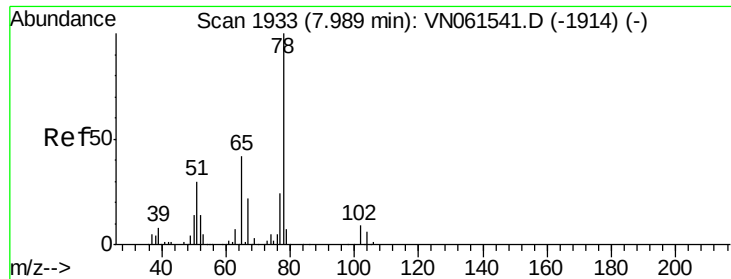
Tgt Ion: 43 Resp: 1103
Ion Ratio Lower Upper
43 100
72 30.9 26.0 39.0



#31
Cyclohexane
Concen: 1.08 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN061711.D
Acq: 8 Jun 2020 21:12

Tgt Ion: 56 Resp: 5673
Ion Ratio Lower Upper
56 100
69 174.7 27.8 41.8#
84 131.8 79.9 119.9#

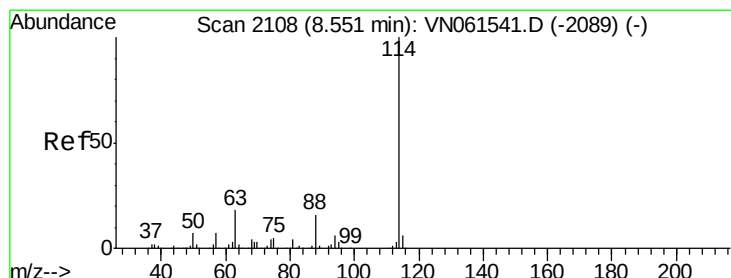
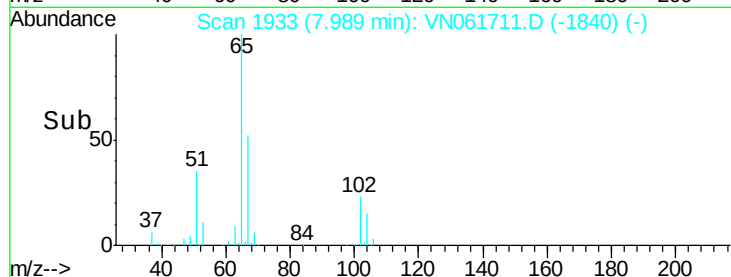
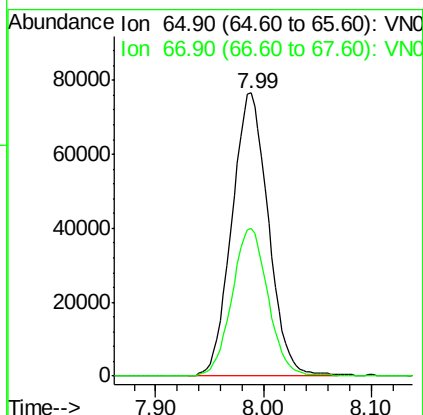
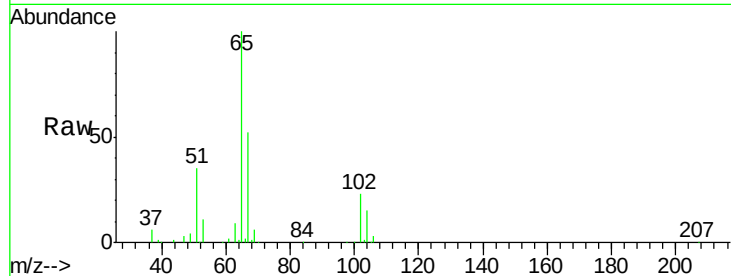




#33
 1,2-Dichloroethane-d4
 Concen: 48.21 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN061711.D
 Acq: 8 Jun 2020 21:12

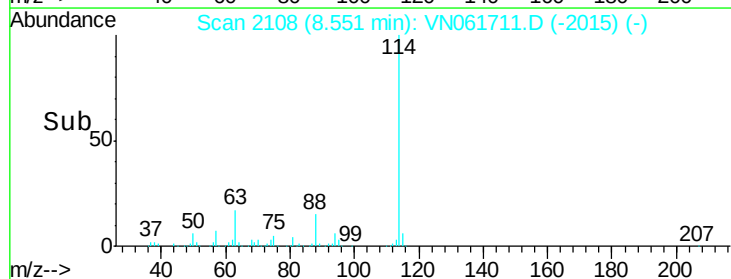
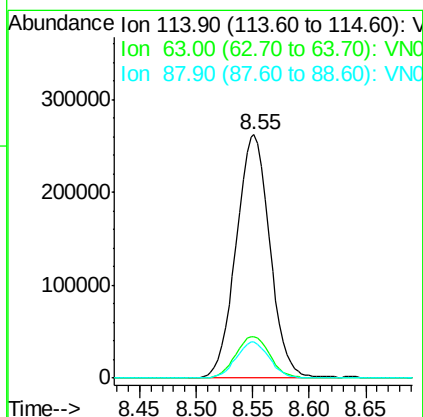
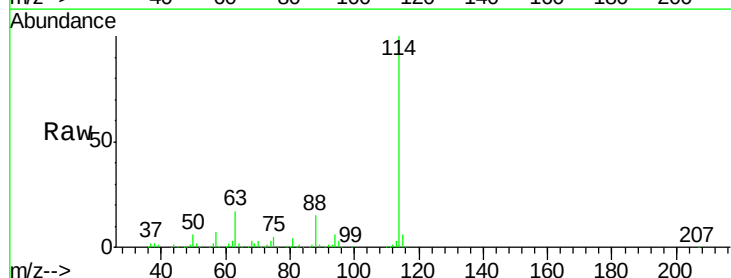
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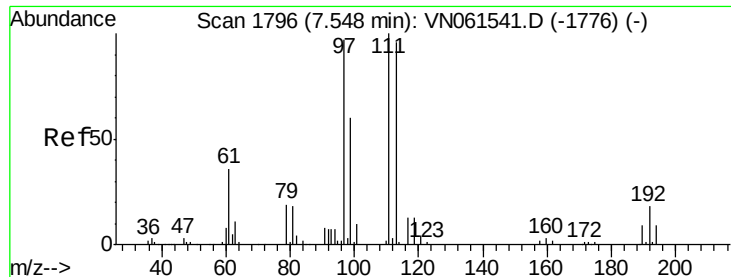
Tgt Ion: 65 Resp: 180457
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN061711.D
 Acq: 8 Jun 2020 21:12

Tgt Ion: 114 Resp: 544839
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 35.8
 88 14.7 0.0 31.0

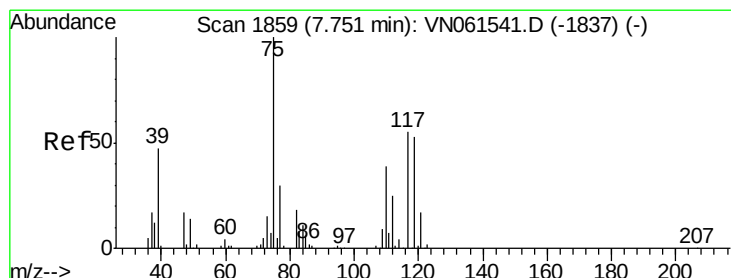
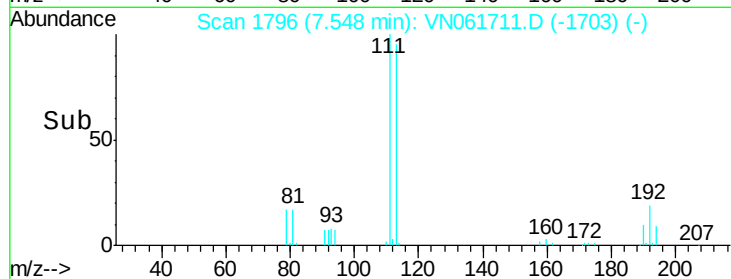
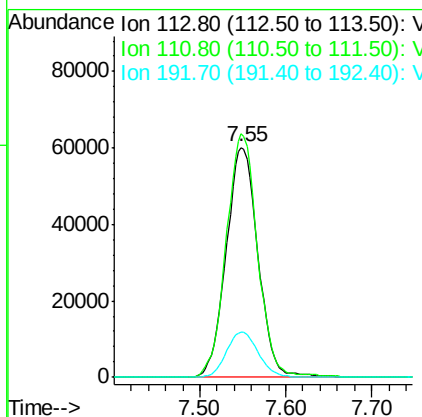
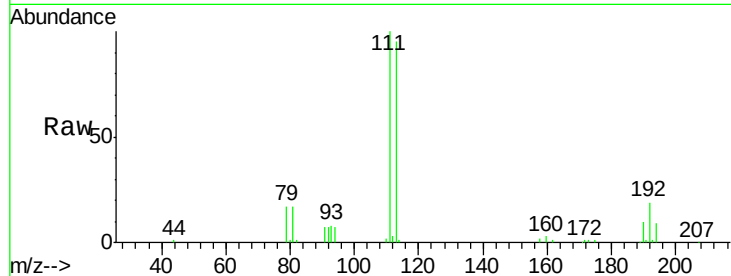




#35
 Dibromofluoromethane
 Concen: 55.90 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN061711.D
 Acq: 8 Jun 2020 21:12

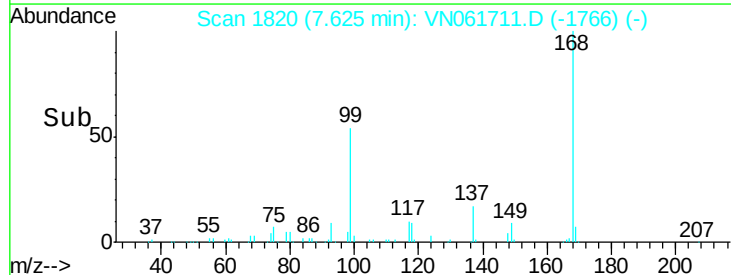
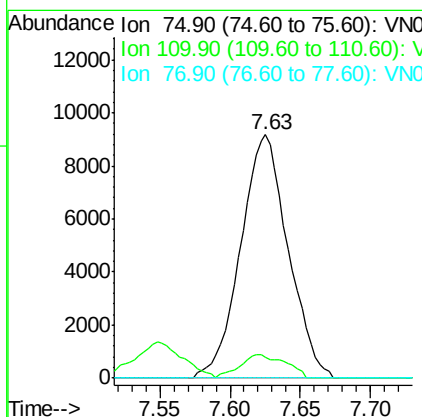
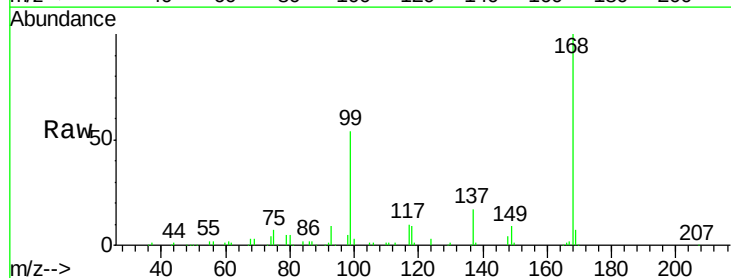
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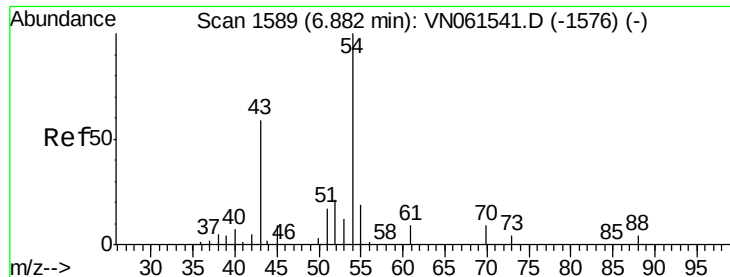
Tgt Ion:113 Resp: 154498
 Ion Ratio Lower Upper
 113 100
 111 103.3 83.4 125.0
 192 19.8 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 4.47 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN061711.D
 Acq: 8 Jun 2020 21:12

Tgt Ion: 75 Resp: 21558
 Ion Ratio Lower Upper
 75 100
 110 9.1 19.5 58.5#
 77 0.0 24.7 37.1#

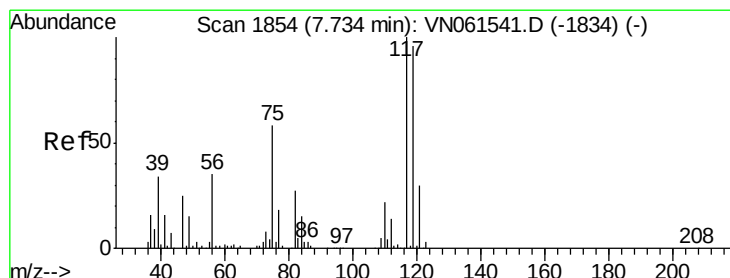
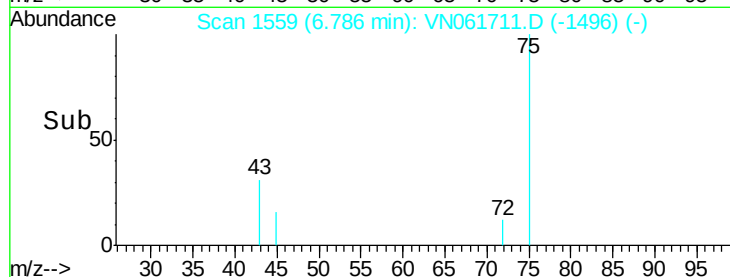
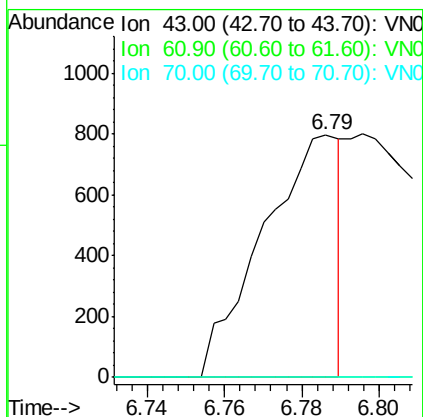
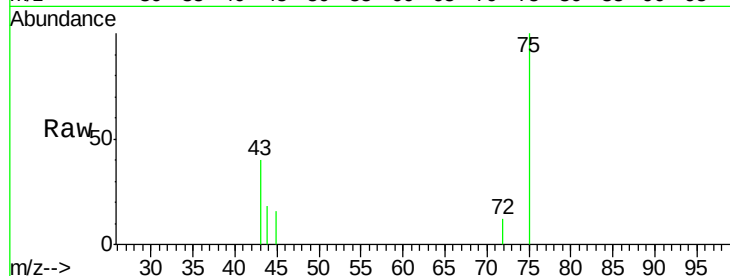




#37
Ethyl Acetate
Concen: 0.28 ug/l
RT: 6.79 min Scan# 1559
Delta R.T. -0.10 min
Lab File: VN061711.D
Acq: 8 Jun 2020 21:12

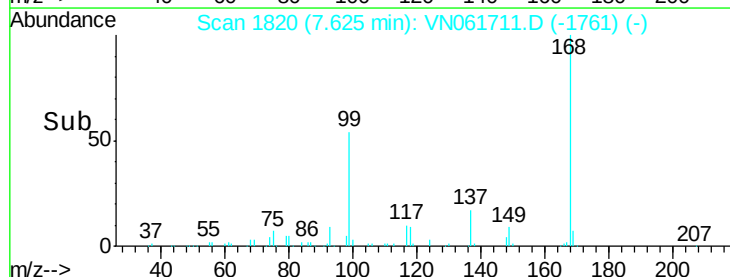
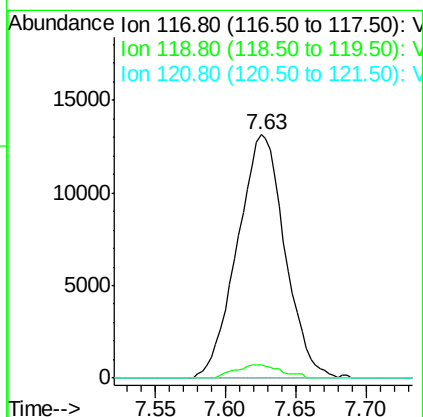
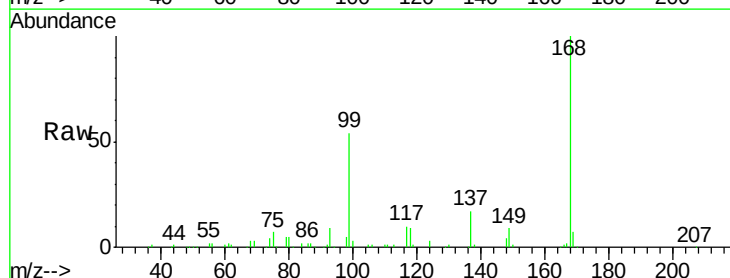
Instrument :
MSVOA_N
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COMP-1

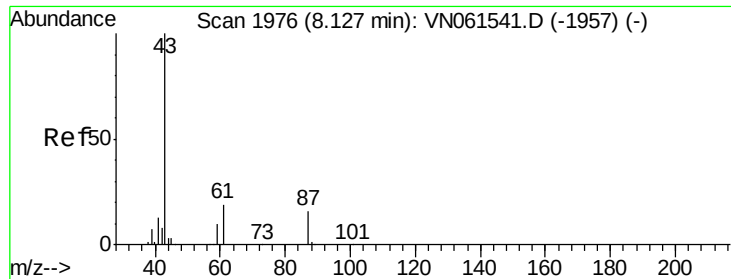
Tgt Ion: 43 Resp: 1103
Ion Ratio Lower Upper
43 100
61 0.0 12.2 18.4#
70 0.0 9.4 14.2#



#38
Carbon Tetrachloride
Concen: 6.65 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN061711.D
Acq: 8 Jun 2020 21:12

Tgt Ion: 117 Resp: 30954
Ion Ratio Lower Upper
117 100
119 5.3 76.5 114.7#
121 0.0 24.1 36.1#

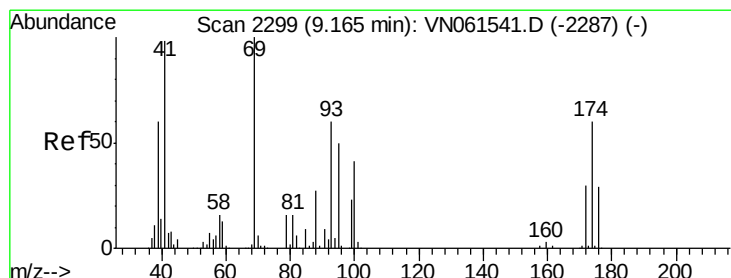
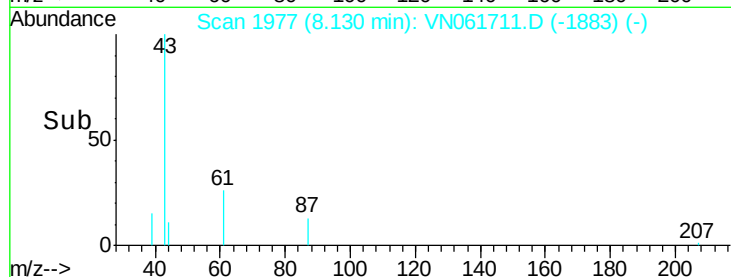
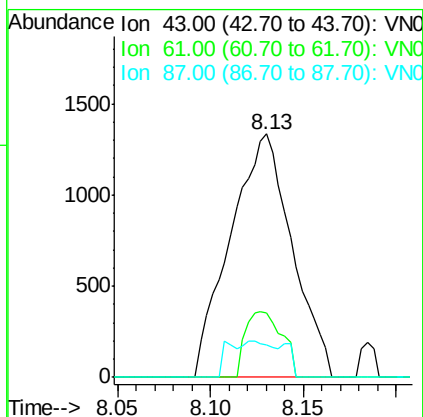
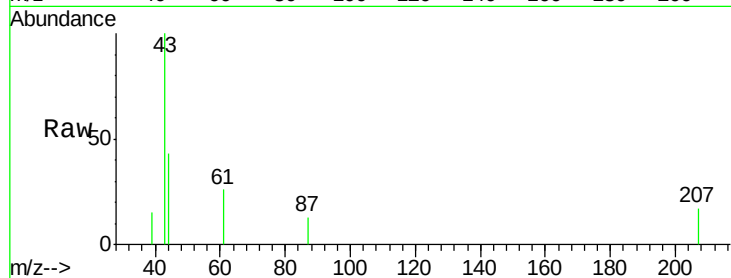




#43
Isopropyl Acetate
Concen: 0.44 ug/l
RT: 8.13 min Scan# 1977
Delta R.T. 0.00 min
Lab File: VN061711.D
Acq: 8 Jun 2020 21:12

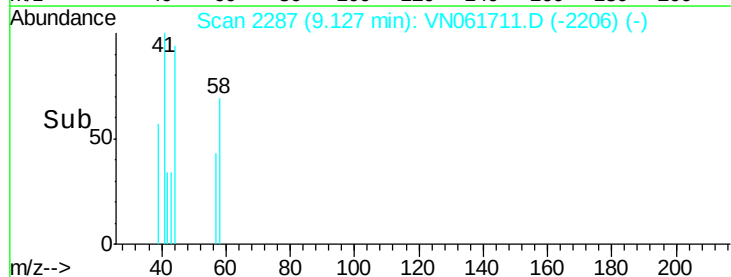
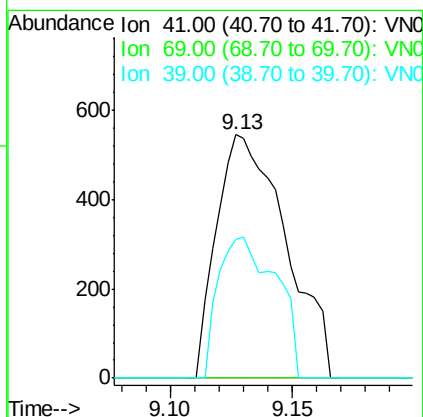
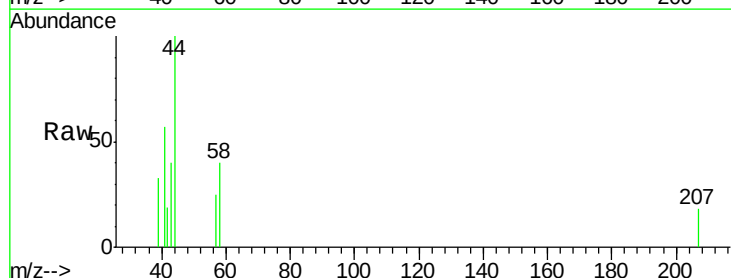
Instrument :
MSVOA_N
ClientSampled :
COMP-1

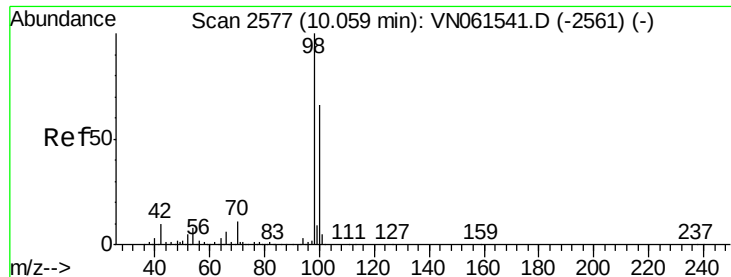
Tgt Ion: 43 Resp: 3081
Ion Ratio Lower Upper
43 100
61 15.9 23.6 35.4#
87 0.0 13.0 19.6#



#48
Methyl methacrylate
Concen: 0.34 ug/l
RT: 9.13 min Scan# 2287
Delta R.T. -0.04 min
Lab File: VN061711.D
Acq: 8 Jun 2020 21:12

Tgt Ion: 41 Resp: 1073
Ion Ratio Lower Upper
41 100
69 0.0 83.9 125.9#
39 48.6 52.1 78.1#





#50

Toluene-d8

Concen: 51.02 ug/l

RT: 10.06 min Scan# 2577

Delta R.T. 0.00 min

Lab File: VN061711.D

Acq: 8 Jun 2020 21:12

Instrument :

MSVOA_N

ClientSampleId :

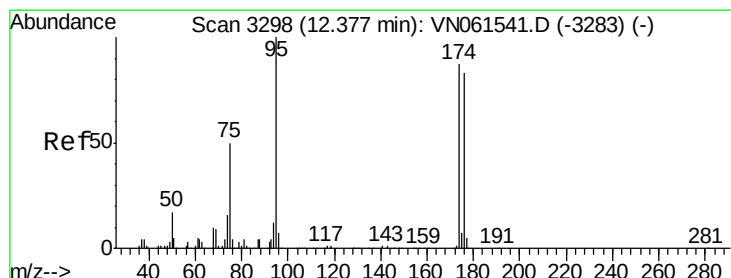
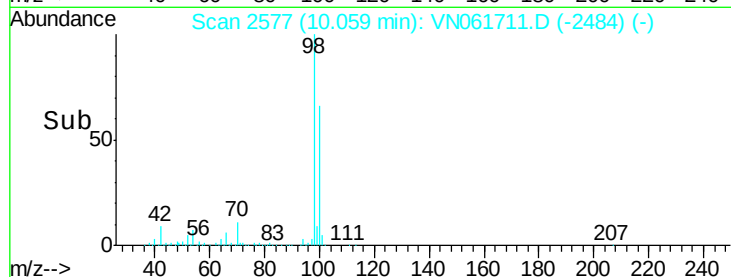
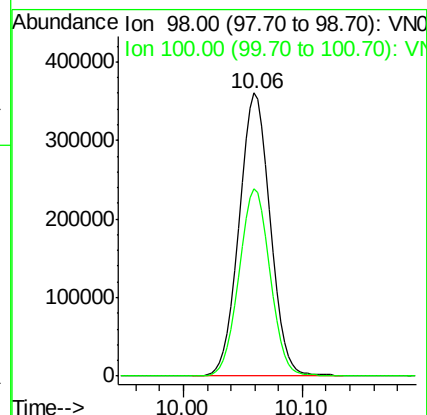
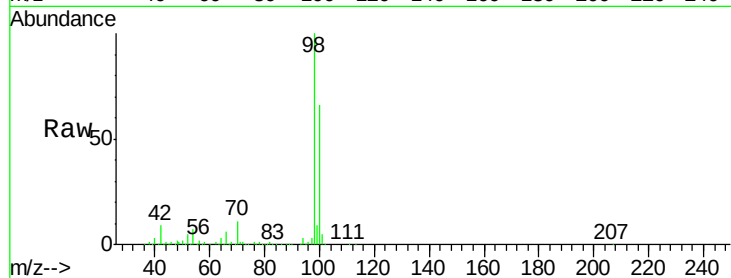
COMP-1

Tgt Ion: 98 Resp: 653492

Ion Ratio Lower Upper

98 100

100 66.3 52.8 79.2



#62

4-Bromofluorobenzene

Concen: 50.93 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN061711.D

Acq: 8 Jun 2020 21:12

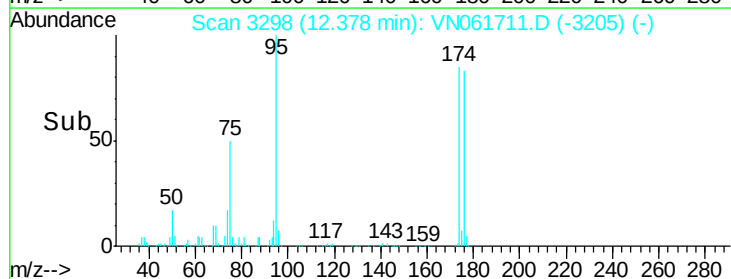
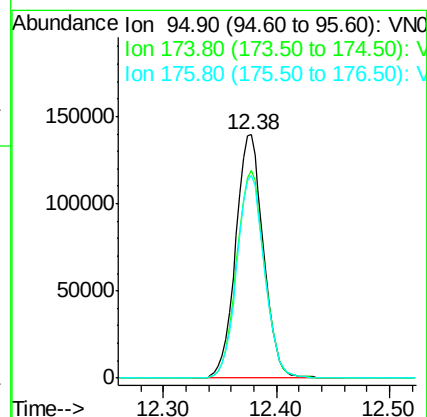
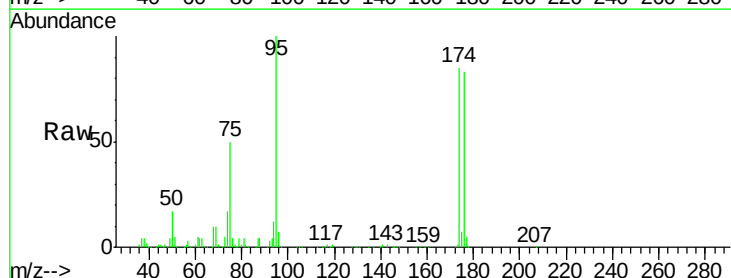
Tgt Ion: 95 Resp: 237970

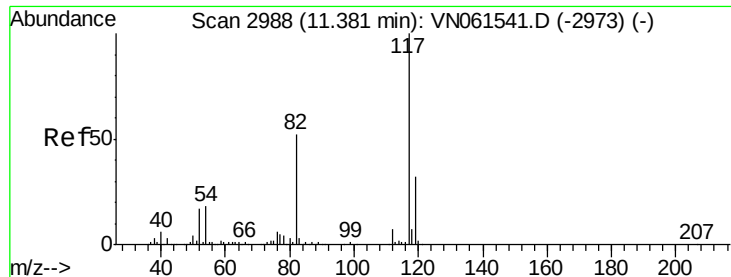
Ion Ratio Lower Upper

95 100

174 85.7 0.0 172.8

176 83.1 0.0 164.8

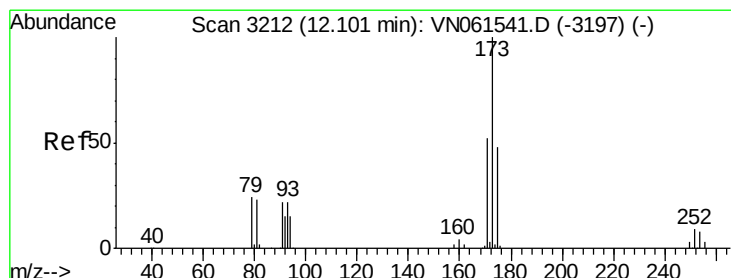
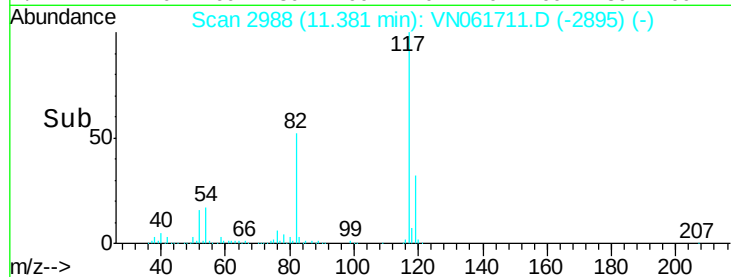
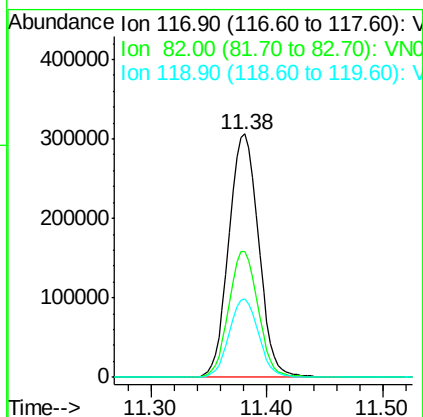
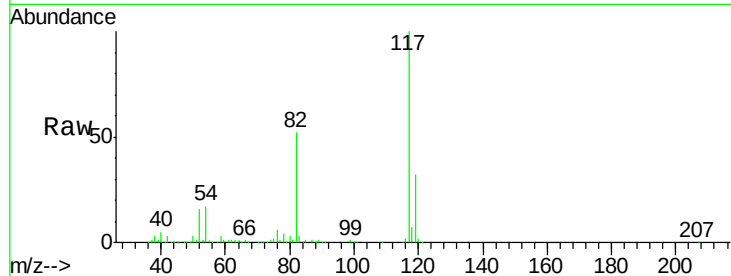




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN061711.D
Acq: 8 Jun 2020 21:12

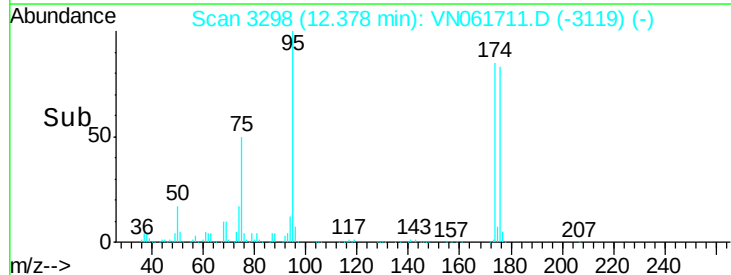
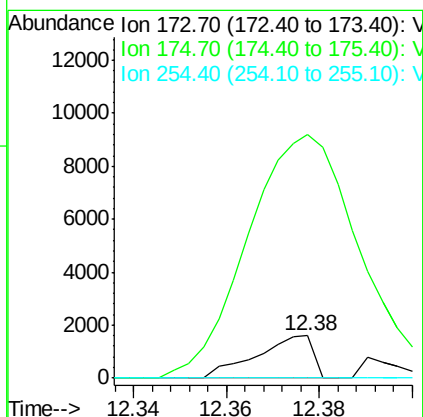
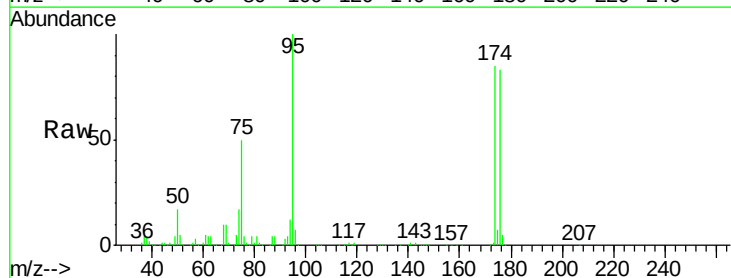
Instrument :
MSVOA_N
ClientSampleId :
COMP-1

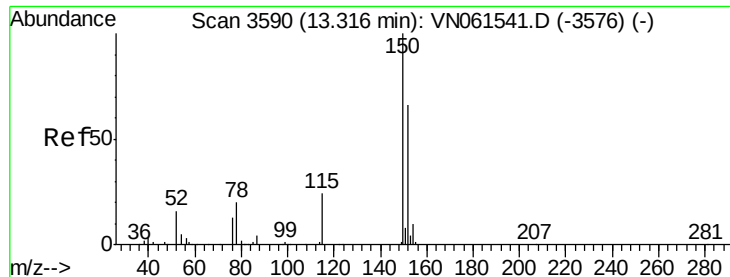
Tgt Ion:117 Resp: 545208
Ion Ratio Lower Upper
117 100
82 51.8 41.5 62.3
119 32.1 25.6 38.4



#71
Bromoform
Concen: 0.42 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN061711.D
Acq: 8 Jun 2020 21:12

Tgt Ion:173 Resp: 1370
Ion Ratio Lower Upper
173 100
175 963.3 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# 3590

Delta R.T. 0.00 min

Lab File: VN061711.D

Acq: 8 Jun 2020 21:12

Instrument :

MSVOA_N

ClientSampled :

COMP-1

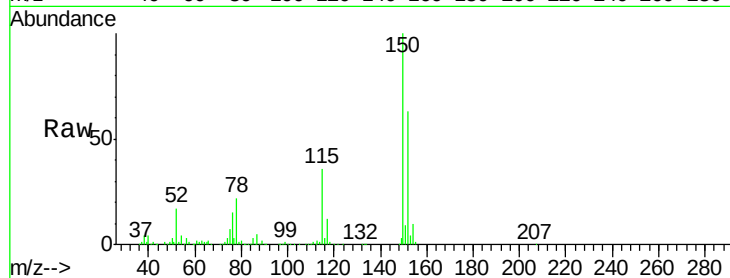
Tgt Ion:152 Resp: 251431

Ion Ratio Lower Upper

152 100

115 57.4 28.0 84.0

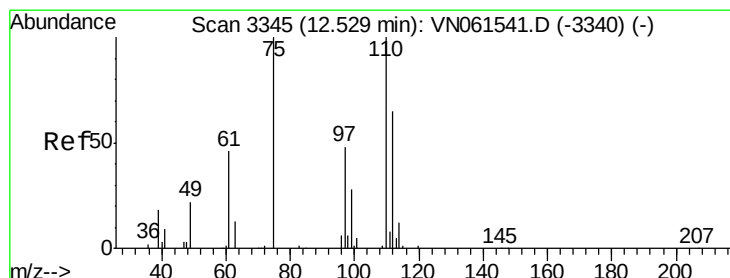
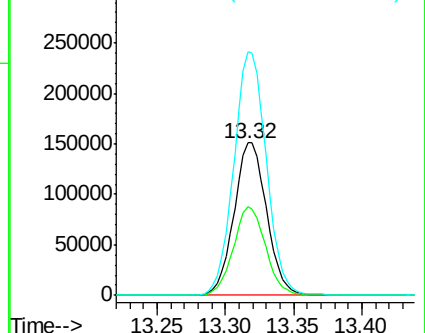
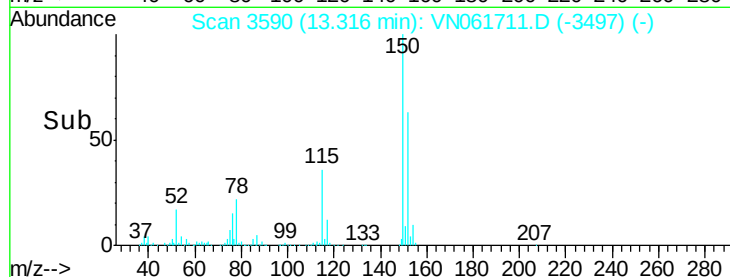
150 159.3 0.0 344.0



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: 25.74 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN061711.D

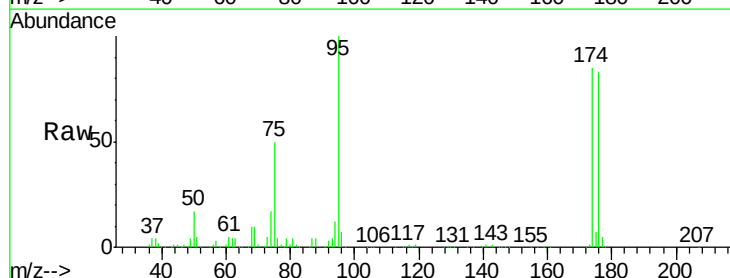
Acq: 8 Jun 2020 21:12

Tgt Ion: 75 Resp: 117665

Ion Ratio Lower Upper

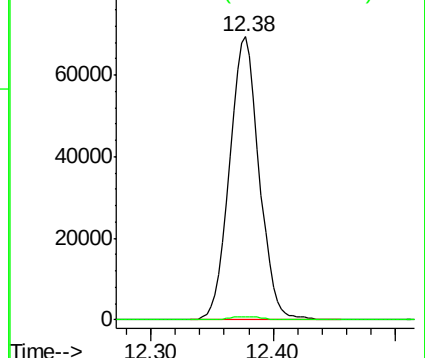
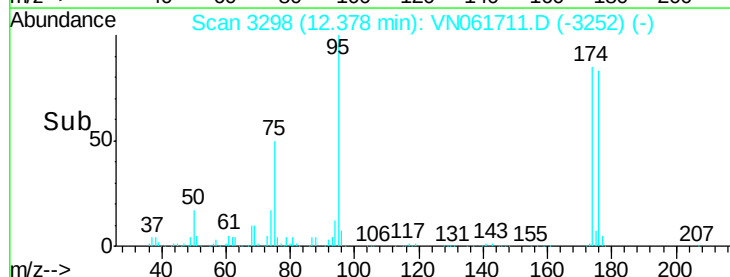
75 100

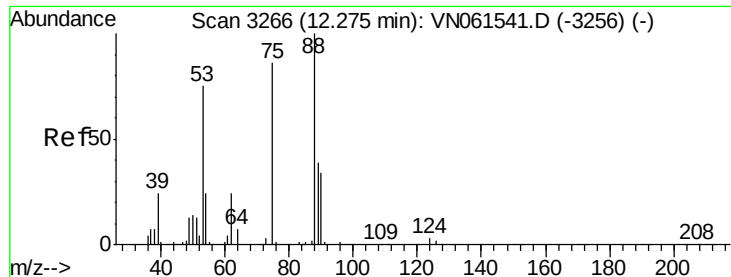
77 1.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 65.81 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN061711.D

Acq: 8 Jun 2020 21:12

Instrument :

MSVOA_N

ClientSampleId :

COMP-1

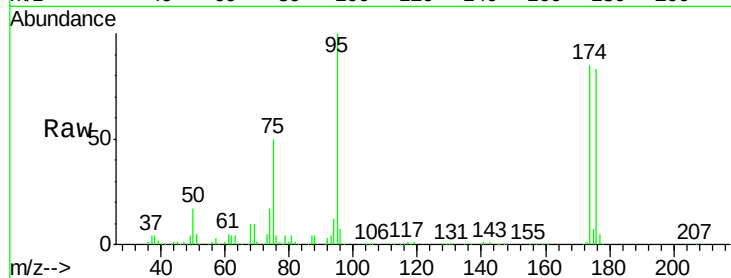
Tgt Ion: 75 Resp: 117665

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

