

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082020\
 Data File : VN063068.D
 Acq On : 21 Aug 2020 5:18
 Operator : JC/MD
 Sample : L3698-04 50X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0208

Quant Time: Aug 21 06:43:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 06:09:27 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	143410	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	242129	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	260105	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	97619	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	96389	56.71	ug/l	0.00
Spiked Amount			Recovery	=	113.42%	
35) Dibromofluoromethane	7.55	113	84262	53.41	ug/l	0.00
Spiked Amount			Recovery	=	106.82%	
50) Toluene-d8	10.06	98	315309	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
62) 4-Bromofluorobenzene	12.38	95	109150	51.04	ug/l	0.00
Spiked Amount			Recovery	=	102.08%	

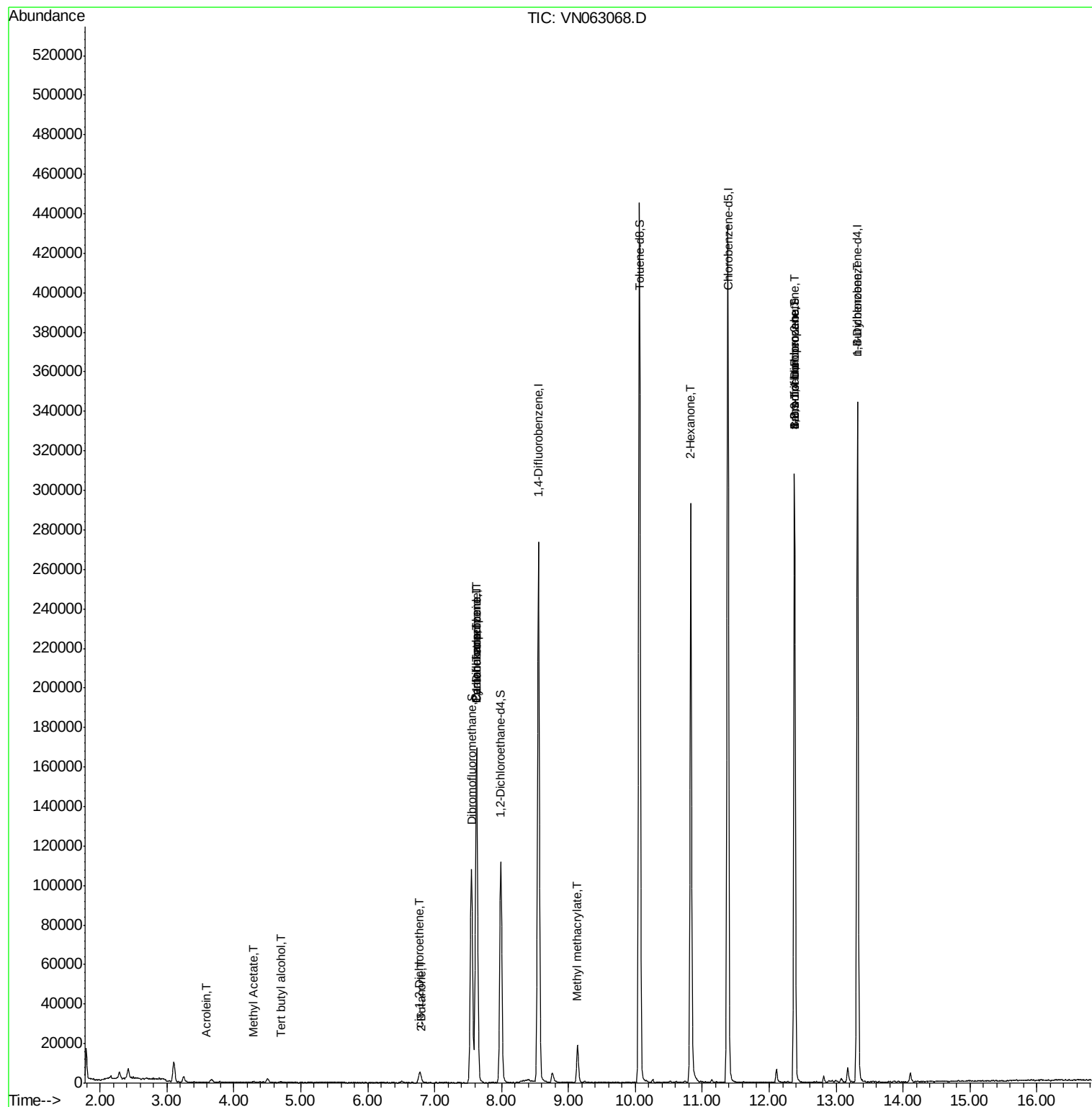
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.71	59	59	0.245	ug/l #	74
13) Acrolein	3.57	56	63	0.835	ug/l #	13
16) Acetone	3.77	43	241	Below Cal	#	40
18) Methyl Acetate	4.29	43	635	0.376	ug/l #	52
20) Methylene Chloride	4.50	84	1394	Below Cal		99
25) 2-Butanone	6.81	43	205	0.227	ug/l #	48
27) cis-1,2-Dichloroethene	6.78	96	412	0.258	ug/l	53
31) Cyclohexane	7.62	56	1127	0.450	ug/l #	1
36) 1,1-Dichloropropene	7.63	75	10499	4.920	ug/l #	47
38) Carbon Tetrachloride	7.63	117	13070	6.067	ug/l #	18
48) Methyl methacrylate	9.14	41	5811	3.708	ug/l #	38
59) 2-Hexanone	10.83	43	48199	33.004	ug/l #	46
71) Bromoform	12.38	173	913	0.565	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	52588	27.714	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	52588	76.116	ug/l #	15
89) n-Butylbenzene	13.32	91	144	2.796	ug/l #	34

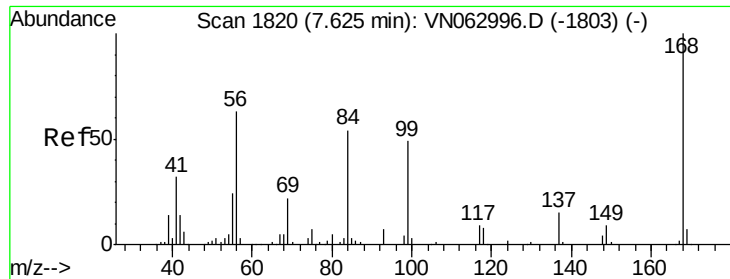
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN082020\
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Quant Title : SW846 8260
QLast Update : Wed Aug 19 06:09:27 2020
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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: VN063068.D

Acq: 21 Aug 2020 5:18

Instrument :

MSVOA_N

ClientSampleId :

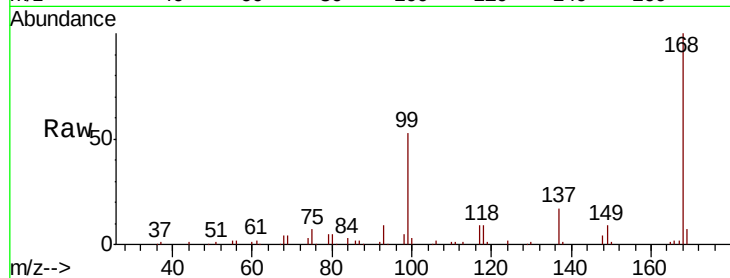
S39-0208

Tot Ion:168 Resp: 143410

Ion Ratio Lower Upper

168 100

99 53.1 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VN063068.D (-1727) (-)

Ion 98.90 (98.60 to 99.60): VN063068.D (-1727) (-)

7.63

60000

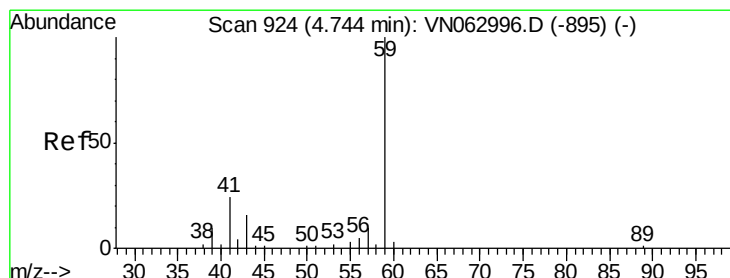
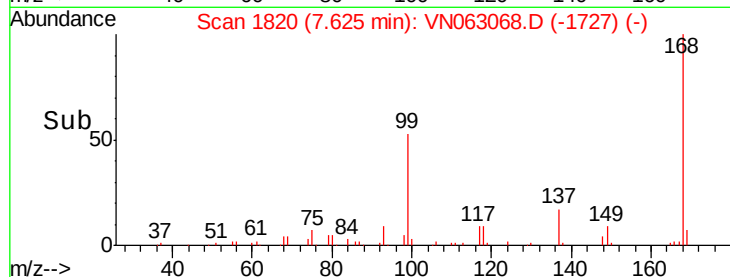
40000

20000

0

7.50 7.60 7.70

Time-->



#11

Tert butyl alcohol

Concen: 0.245 ug/l

RT: 4.71 min Scan# 914

Delta R.T. -0.03 min

Lab File: VN063068.D

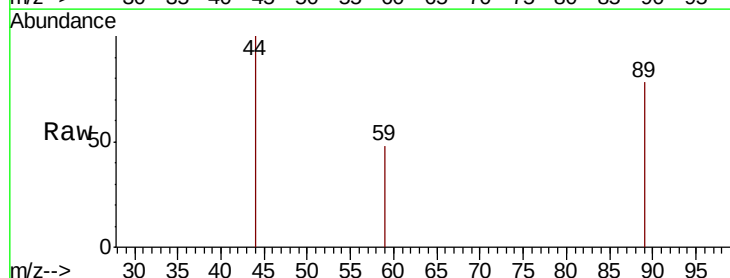
Acq: 21 Aug 2020 5:18

Tgt Ion: 59 Resp: 59

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.6#



Abundance Ion 59.00 (58.70 to 59.70): VN063068.D (-831) (-)

Ion 57.00 (56.70 to 57.70): VN063068.D (-831) (-)

4.71

150

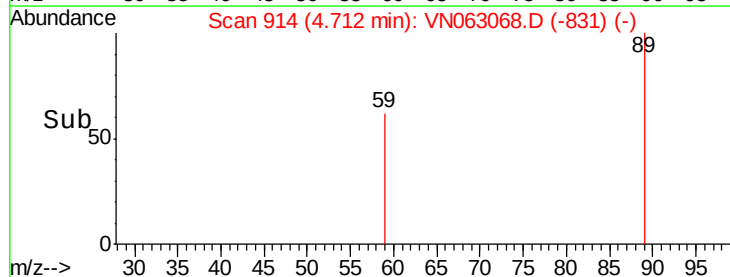
100

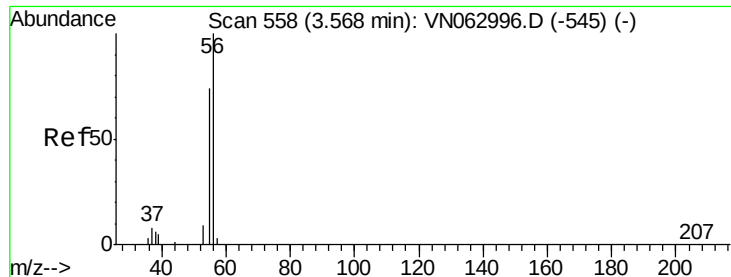
50

0

4.70 4.71 4.72

Time-->

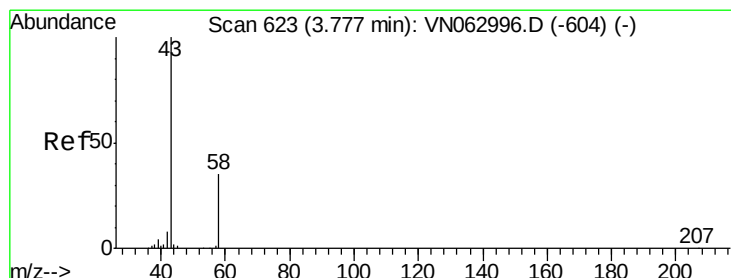
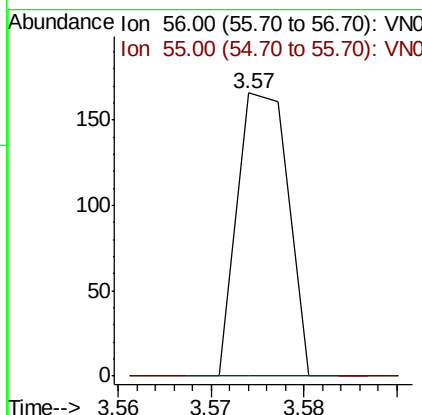
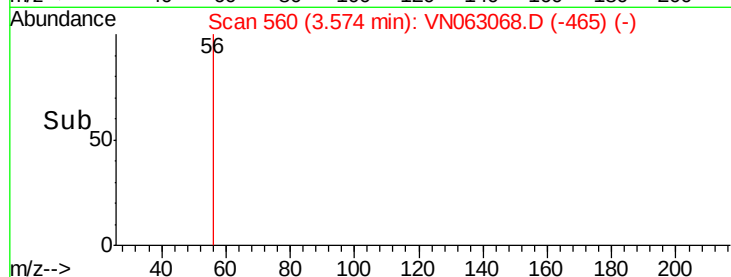
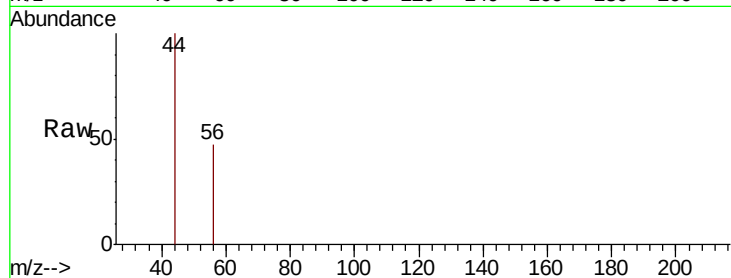




#13
Acrolein
Concen: 0.835 ug/l
RT: 3.57 min Scan# 560
Delta R.T. 0.01 min
Lab File: VN063068.D
Acq: 21 Aug 2020 5:18

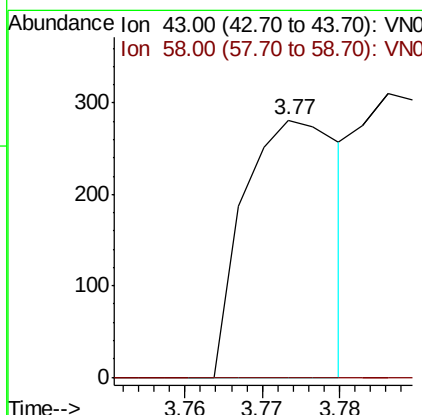
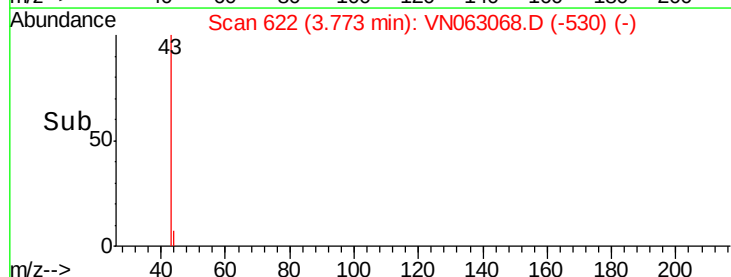
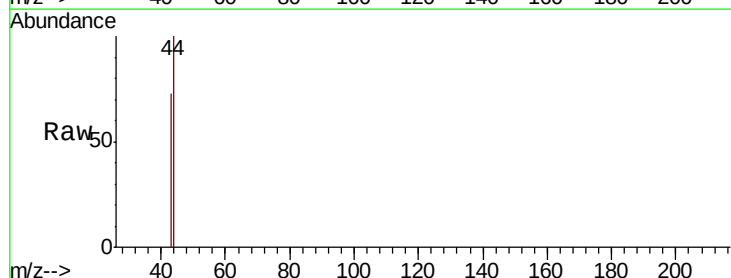
Instrument :
MSVOA_N
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S39-0208

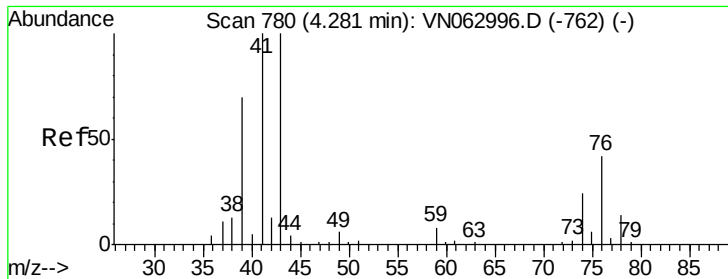
Tot Ion: 56 Resp: 63
Ion Ratio Lower Upper
56 100
55 0.0 58.4 87.6#



#16
Acetone
Concen: Below Cal
RT: 3.77 min Scan# 622
Delta R.T. -0.00 min
Lab File: VN063068.D
Acq: 21 Aug 2020 5:18

Tgt Ion: 43 Resp: 241
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.6#

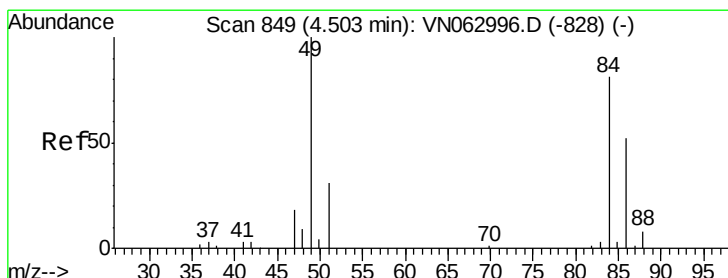
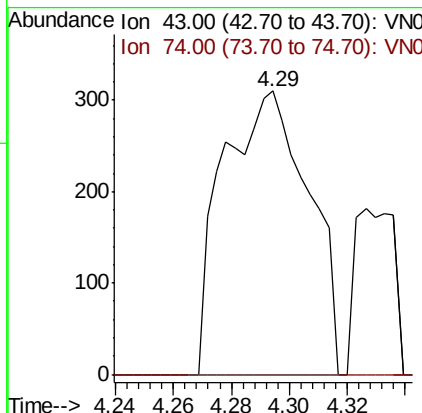
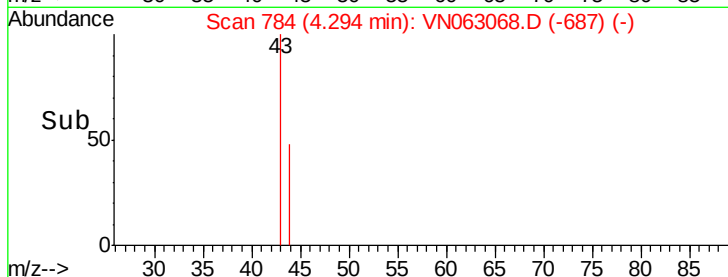
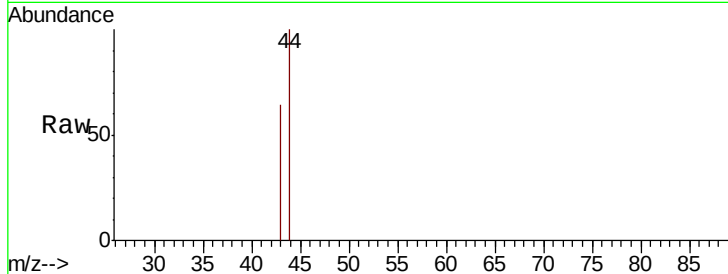




#18
Methvl Acetate
Concen: 0.376 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.01 min
Lab File: VN063068.D
Acq: 21 Aug 2020 5:18

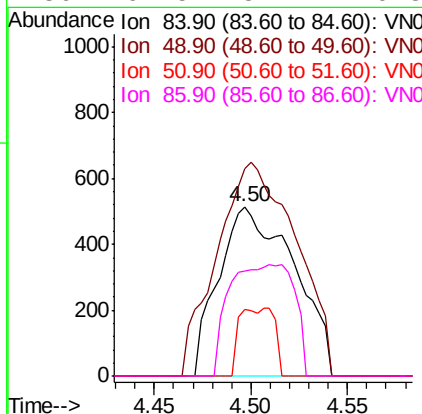
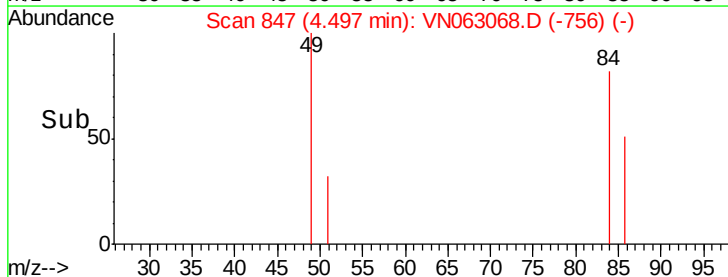
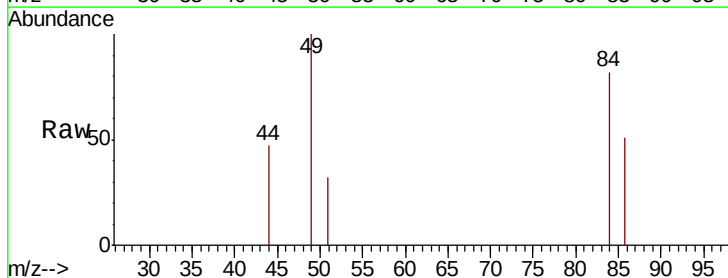
Instrument :
MSVOA_N
ClientSampled :
S39-0208

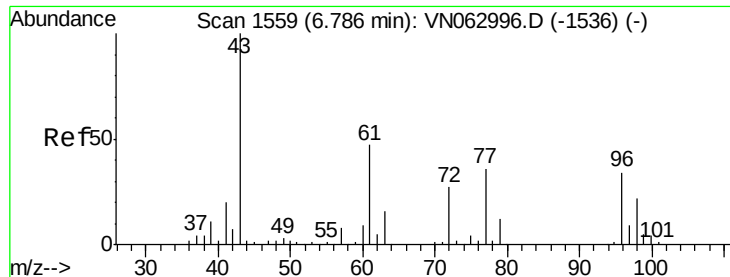
Tot Ion: 43 Resp: 635
Ion Ratio Lower Upper
43 100
74 0.0 18.6 28.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.50 min Scan# 847
Delta R.T. -0.01 min
Lab File: VN063068.D
Acq: 21 Aug 2020 5:18

Tgt Ion: 84 Resp: 1394
Ion Ratio Lower Upper
84 100
49 122.6 98.7 148.1
51 39.7 30.8 46.2
86 62.5 51.2 76.8

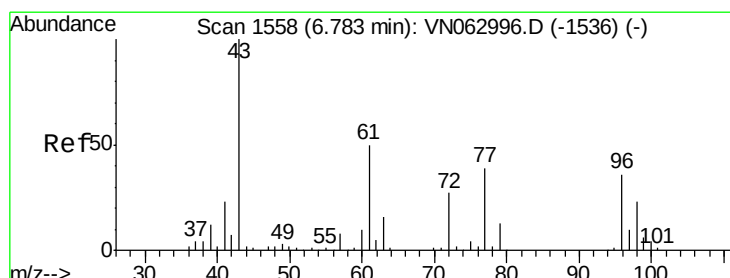
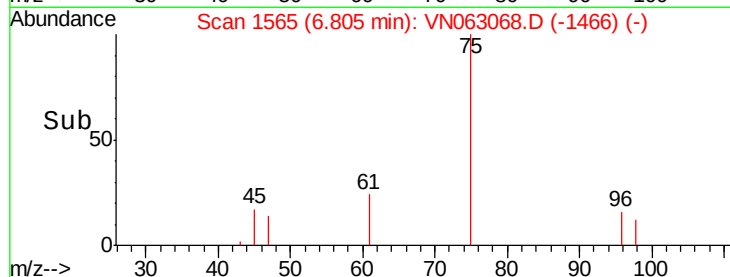
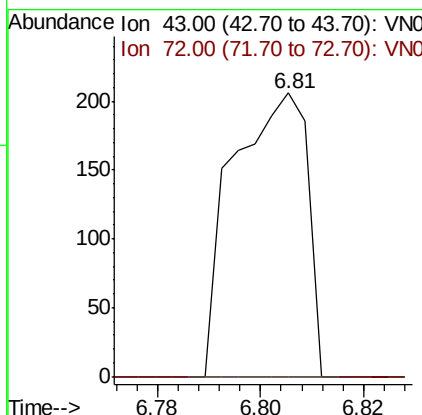
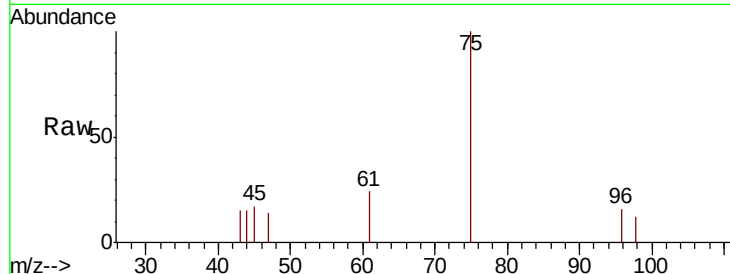




#25
2-Butanone
Concen: 0.227 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.02 min
Lab File: VN063068.D
Acq: 21 Aug 2020 5:18

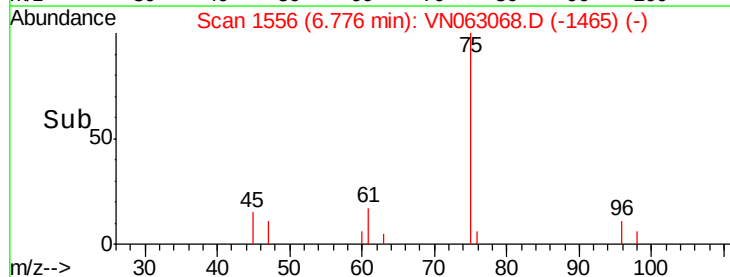
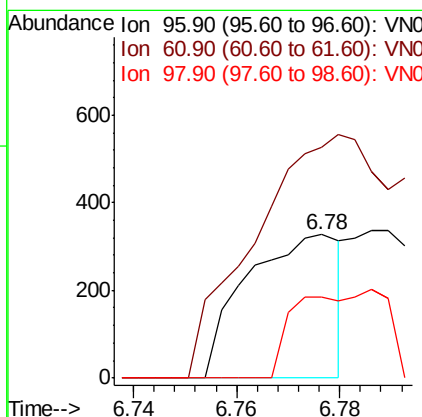
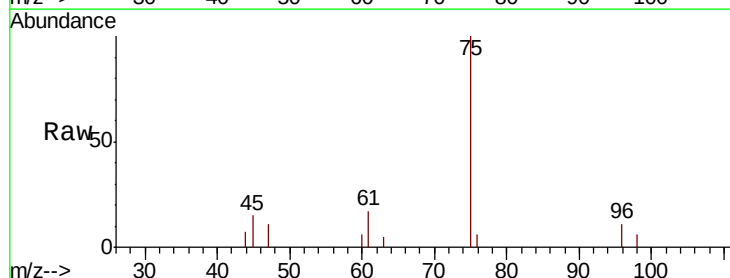
Instrument :
MSVOA_N
ClientSampled :
S39-0208

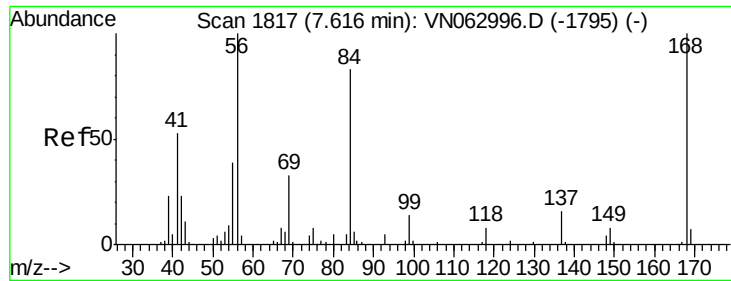
Tot Ion: 43 Resp: 205
Ion Ratio Lower Upper
43 100
72 0.0 21.8 32.6#



#27
cis-1,2-Dichloroethene
Concen: 0.258 ug/l
RT: 6.78 min Scan# 1556
Delta R.T. -0.01 min
Lab File: VN063068.D
Acq: 21 Aug 2020 5:18

Tgt Ion: 96 Resp: 412
Ion Ratio Lower Upper
96 100
61 227.9 0.0 292.8
98 59.2 0.0 130.6

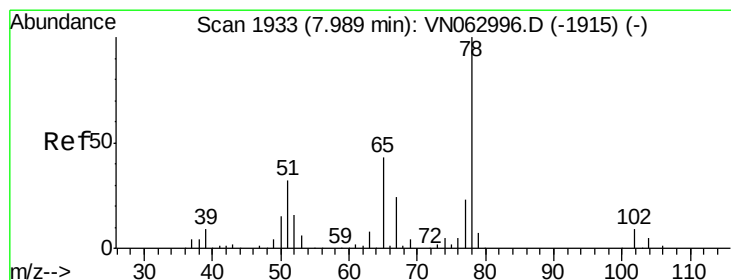
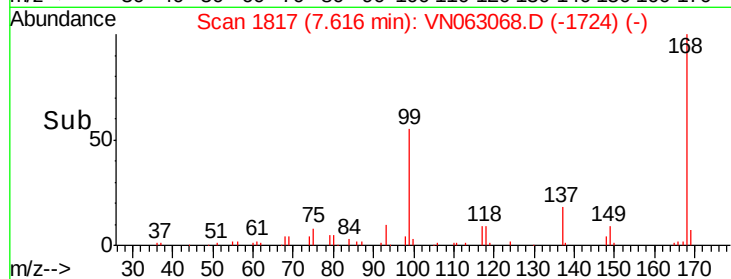
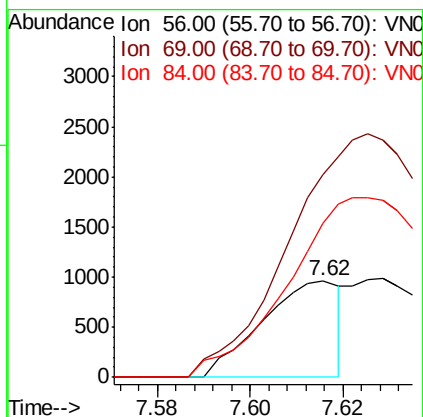
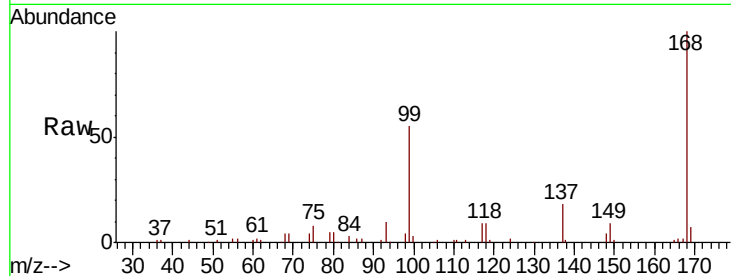




#31
Cyclohexane
Concen: 0.450 ug/l
RT: 7.62 min Scan# 1817
Delta R.T. 0.00 min
Lab File: VN063068.D
Acq: 21 Aug 2020 5:18

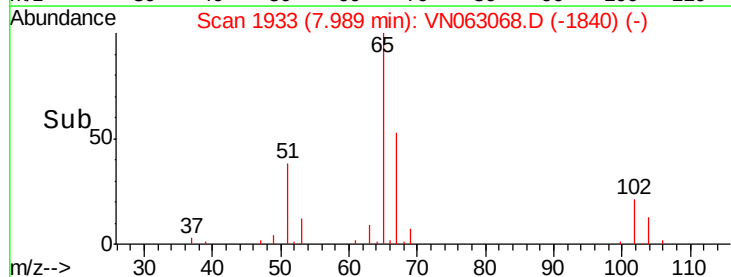
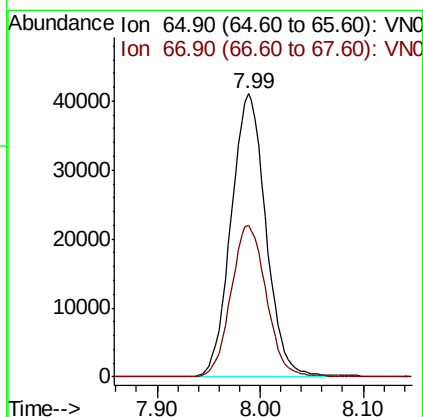
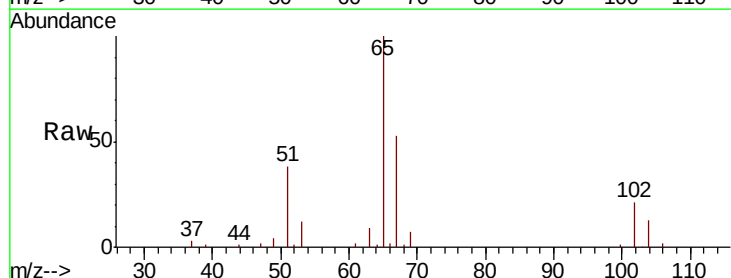
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ClientSampled :
S39-0208

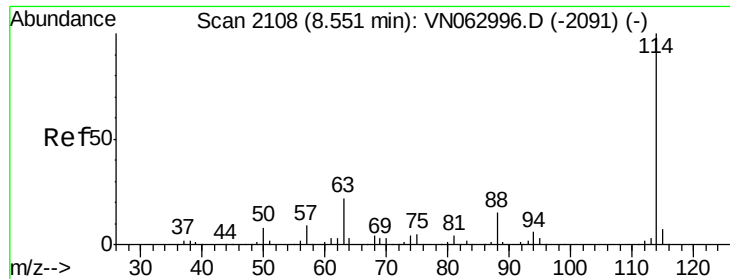
Tot Ion: 56 Resp: 1127
Ion Ratio Lower Upper
56 100
69 210.0 26.6 40.0#
84 159.4 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 56.710 ug/l
RT: 7.99 min Scan# 1933
Delta R.T. 0.00 min
Lab File: VN063068.D
Acq: 21 Aug 2020 5:18

Tgt Ion: 65 Resp: 96389
Ion Ratio Lower Upper
65 100
67 54.2 0.0 112.0

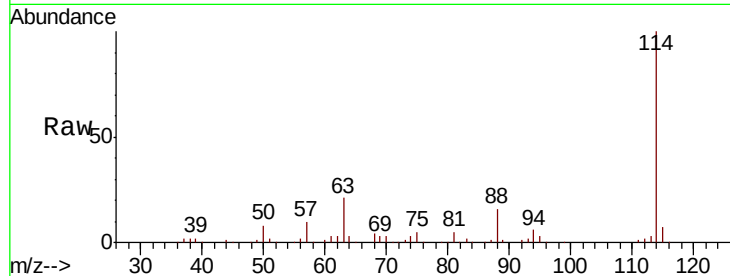




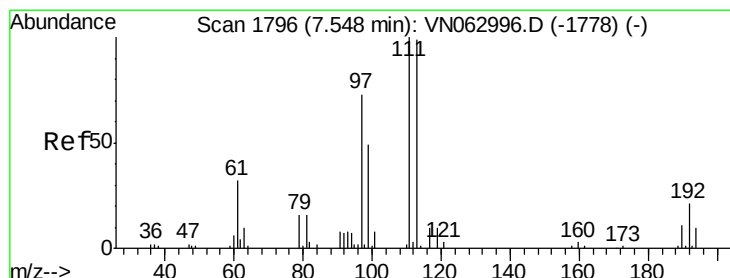
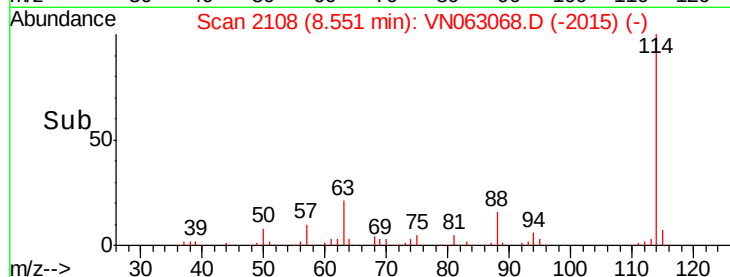
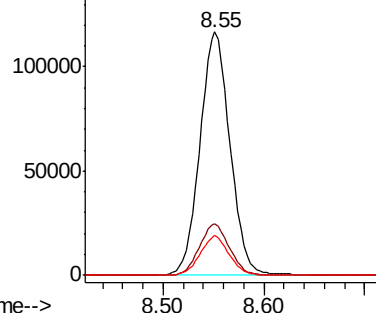
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2108
Delta R.T. 0.00 min
Lab File: VN063068.D
Acq: 21 Aug 2020 5:18

Instrument :
MSVOA_N
ClientSampleId :
S39-0208

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.2
88	16.3	0.0	30.6

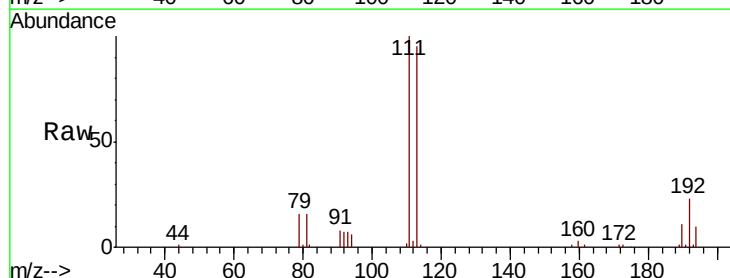


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

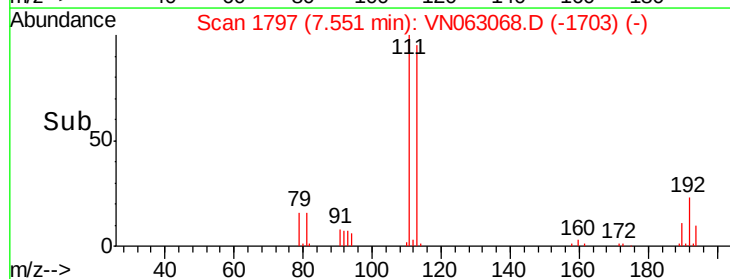
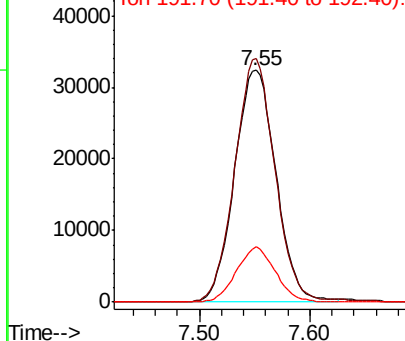


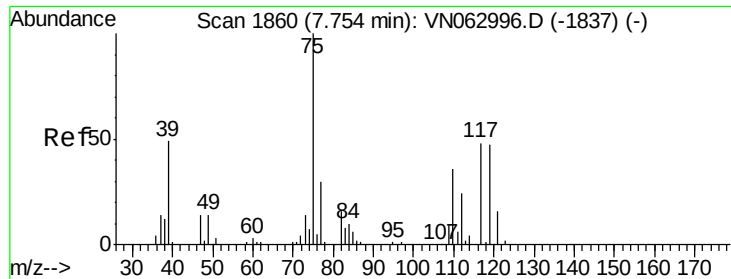
#35
Dibromofluoromethane
Concen: 53.408 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN063068.D
Acq: 21 Aug 2020 5:18

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.7	122.5
192	22.4	17.5	26.3



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

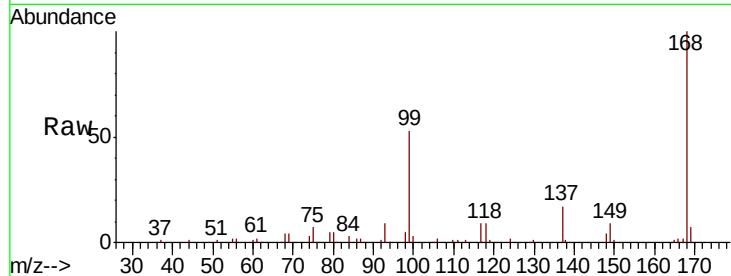




#36
 1,1-Dichloropropene
 Concen: 4.920 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.13 min
 Lab File: VN063068.D
 Acq: 21 Aug 2020 5:18

Instrument :
 MSVOA_N
 ClientSampleId :
 S39-0208

Tot Ion	75	Resp	10499
Ion Ratio	Lower	Upper	
75	100		
110	5.9	17.5	52.6#
77	0.0	24.2	36.4#

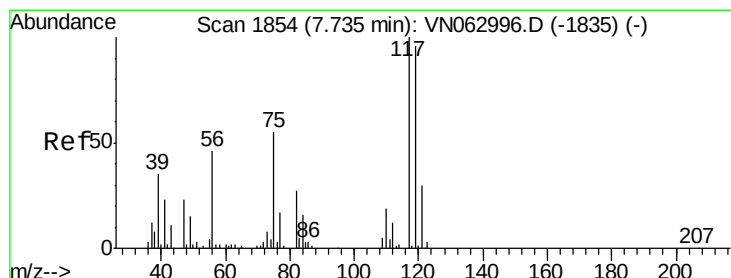
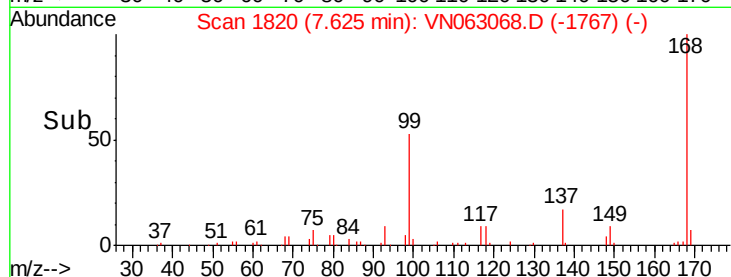
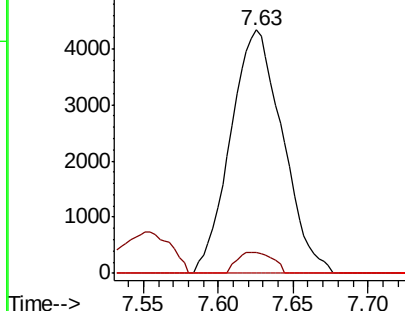


Abundance

Ion 74.90 (74.60 to 75.60): VN0

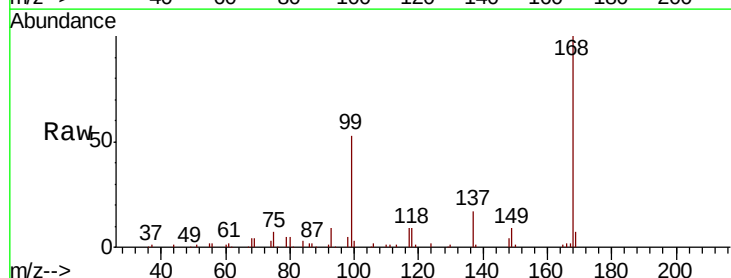
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0



#38
 Carbon Tetrachloride
 Concen: 6.067 ug/l
 RT: 7.63 min Scan# 1820
 Delta R.T. -0.11 min
 Lab File: VN063068.D
 Acq: 21 Aug 2020 5:18

Tgt Ion	117	Resp	13070
Ion Ratio	Lower	Upper	
117	100		
119	7.2	76.2	114.4#
121	0.0	24.2	36.2#

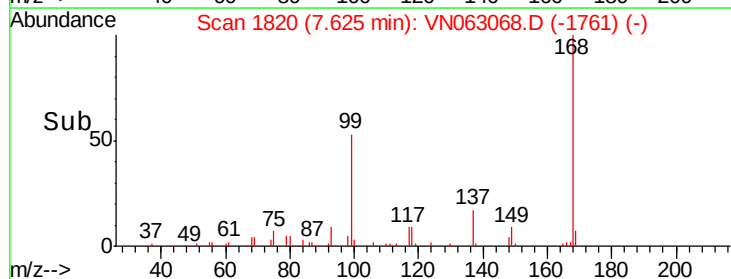
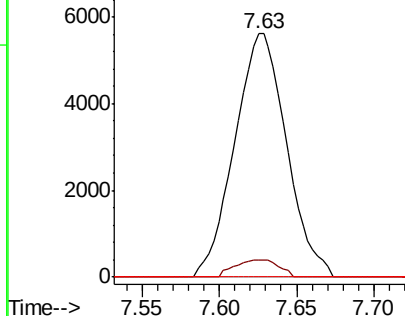


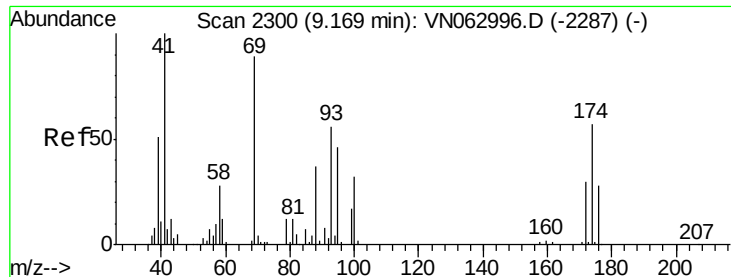
Abundance

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

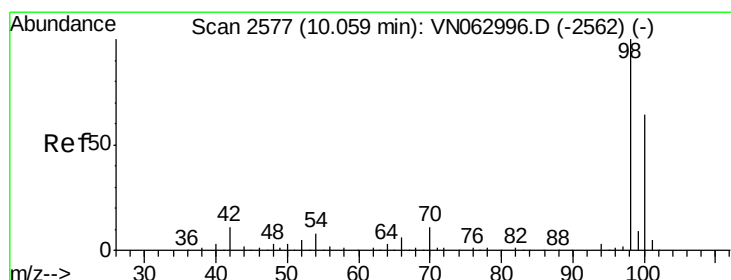
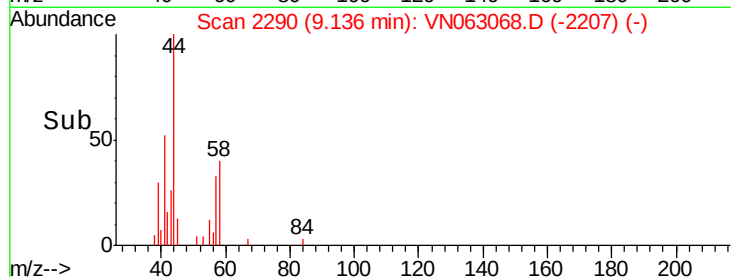
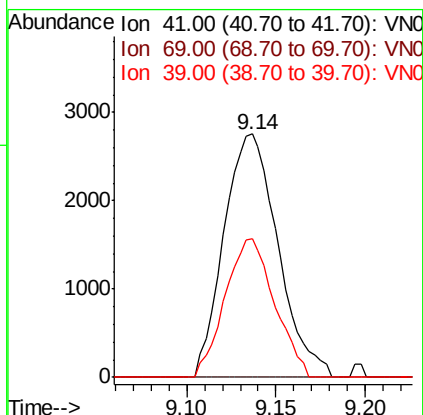
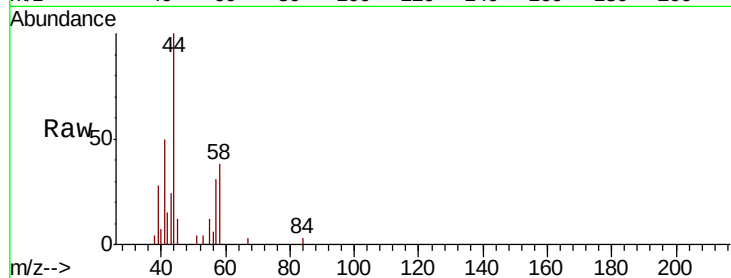




#48
Methvl methacrylate
Concen: 3.708 ug/l
RT: 9.14 min Scan# 2290
Delta R.T. -0.03 min
Lab File: VN063068.D
Acq: 21 Aug 2020 5:18

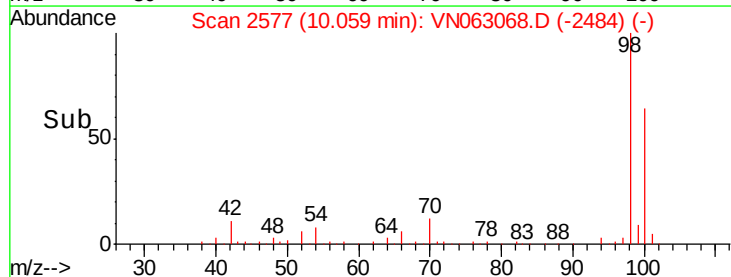
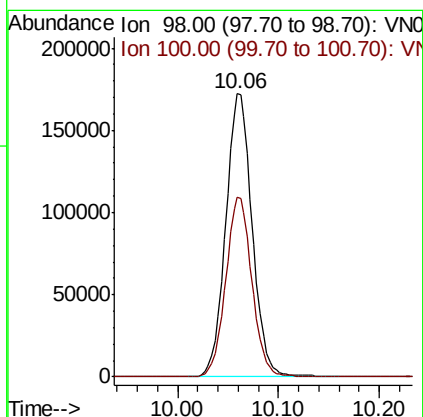
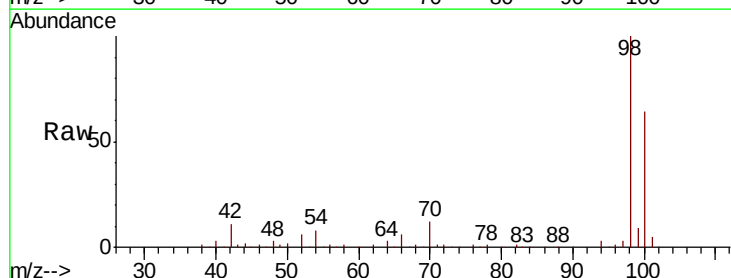
Instrument :
MSVOA_N
ClientSampled :
S39-0208

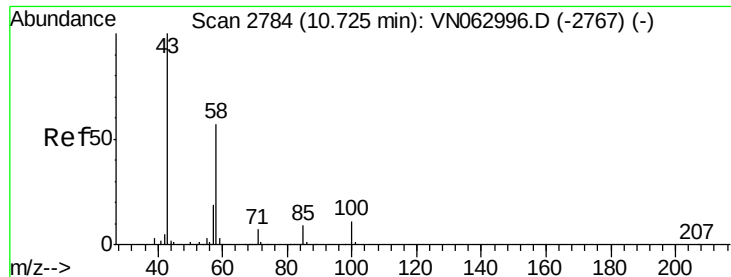
Tot Ion: 41 Resp: 5811
Ion Ratio Lower Upper
41 100
69 0.0 74.2 111.4#
39 51.9 42.5 63.7



#50
Toluene-d8
Concen: 52.031 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN063068.D
Acq: 21 Aug 2020 5:18

Tgt Ion: 98 Resp: 315309
Ion Ratio Lower Upper
98 100
100 62.9 51.2 76.8

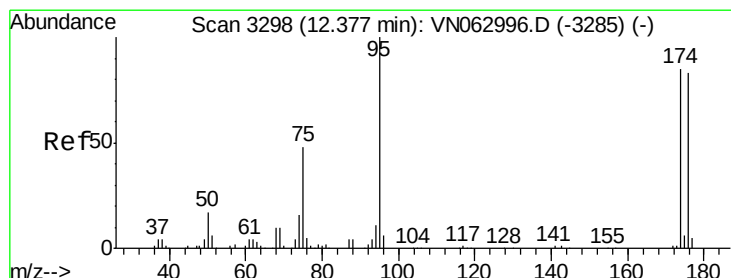
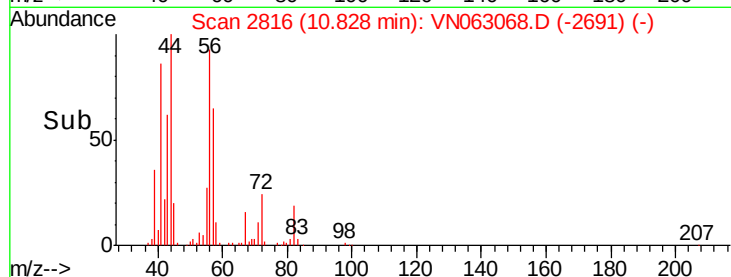
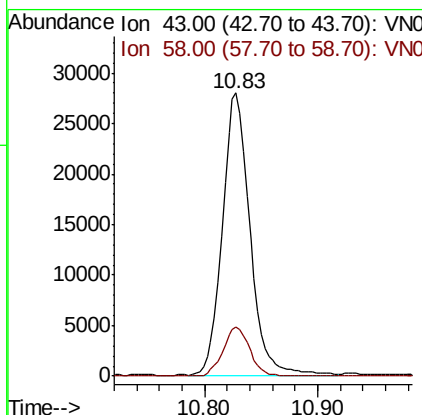
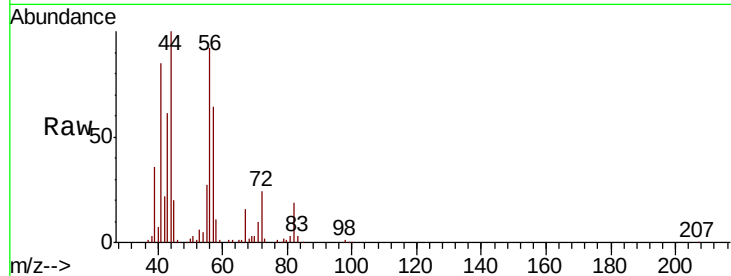




#59
2-Hexanone
Concen: 33.004 ug/l
RT: 10.83 min Scan# 2816
Delta R.T. 0.10 min
Lab File: VN063068.D
Acq: 21 Aug 2020 5:18

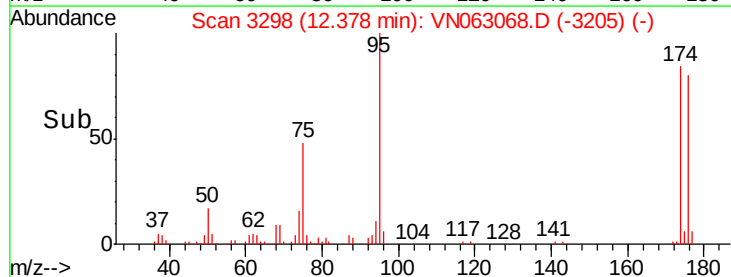
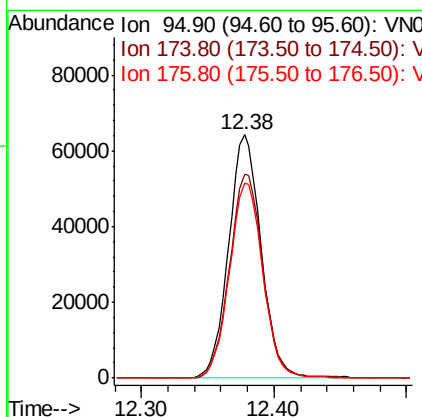
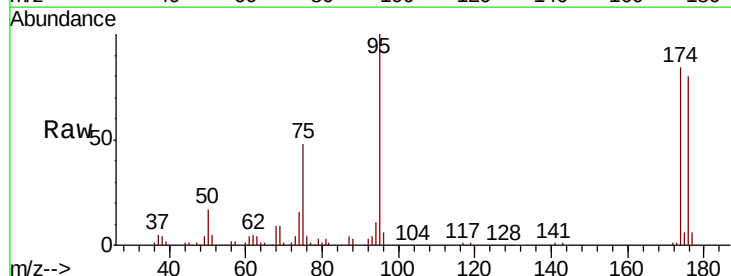
Instrument :
MSVOA_N
ClientSampled :
S39-0208

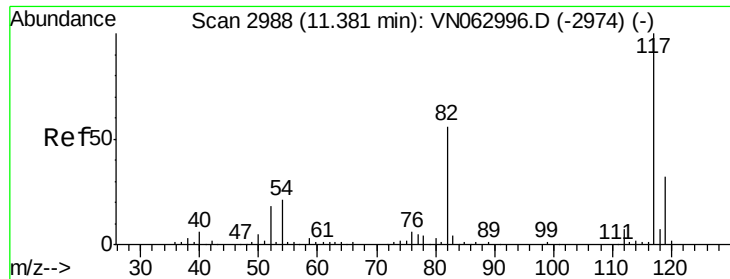
Tot Ion: 43 Resp: 48199
Ion Ratio Lower Upper
43 100
58 16.4 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 51.041 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.00 min
Lab File: VN063068.D
Acq: 21 Aug 2020 5:18

Tgt Ion: 95 Resp: 109150
Ion Ratio Lower Upper
95 100
174 86.9 0.0 170.8
176 82.4 0.0 164.8

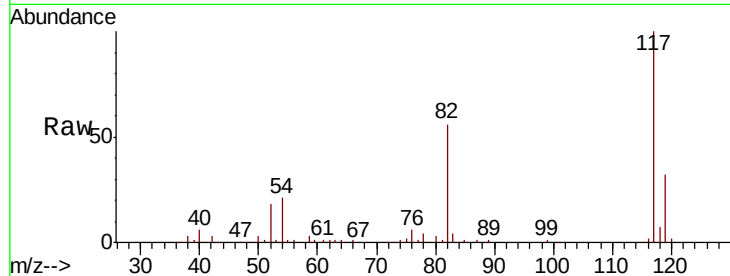




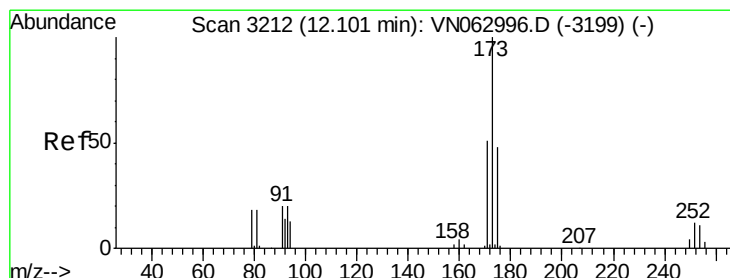
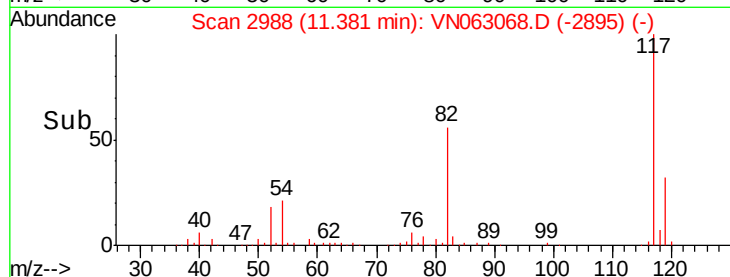
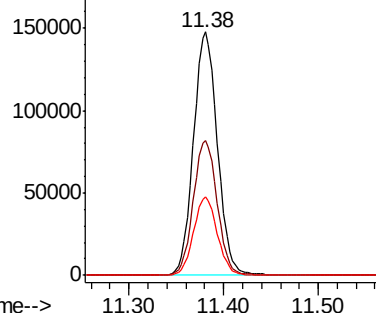
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN063068.D
Acq: 21 Aug 2020 5:18

Instrument :
MSVOA_N
ClientSampleId :
S39-0208

Tot Ion:117 Resp: 260105
Ion Ratio Lower Upper
117 100
82 55.6 44.5 66.7
119 32.0 25.5 38.3

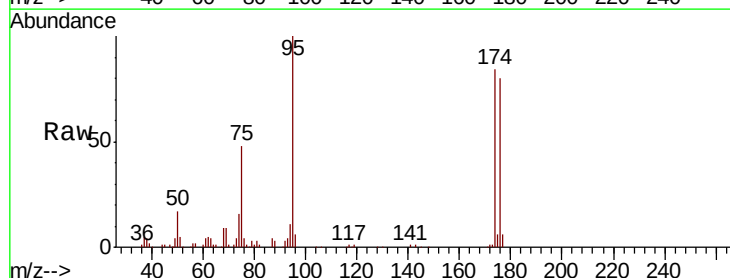


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

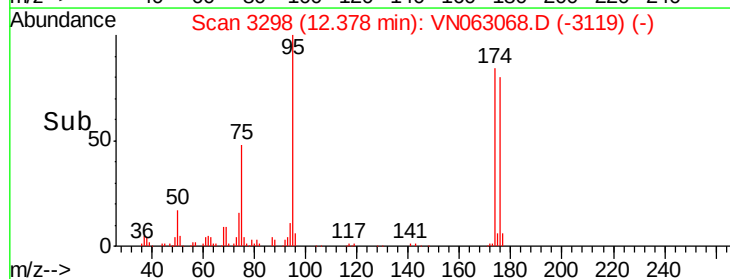
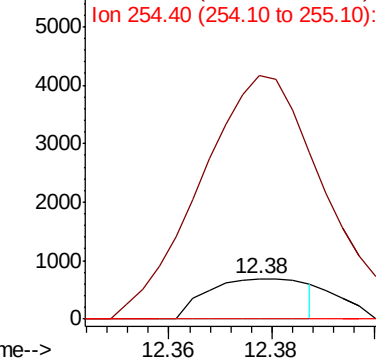


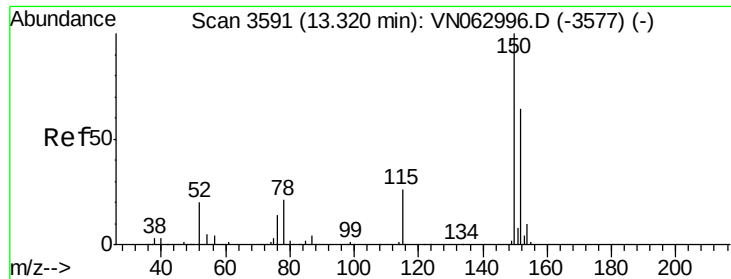
#71
Bromoform
Concen: 0.565 ug/l
RT: 12.38 min Scan# 3298
Delta R.T. 0.28 min
Lab File: VN063068.D
Acq: 21 Aug 2020 5:18

Tgt Ion:173 Resp: 913
Ion Ratio Lower Upper
173 100
175 627.9 24.3 72.8#
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: VN063068.D

Acq: 21 Aug 2020 5:18

Instrument :

MSVOA_N

ClientSampleId :

S39-0208

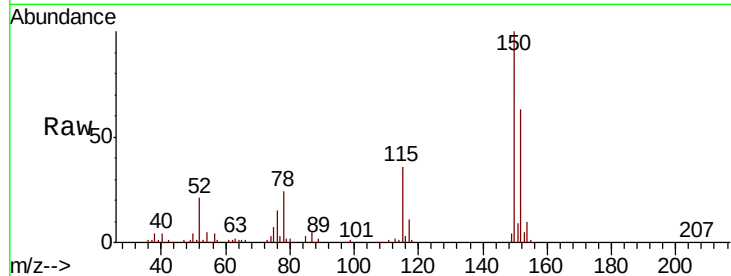
Tot Ion:152 Resp: 97619

Ion Ratio Lower Upper

152 100

115 57.8 28.7 86.3

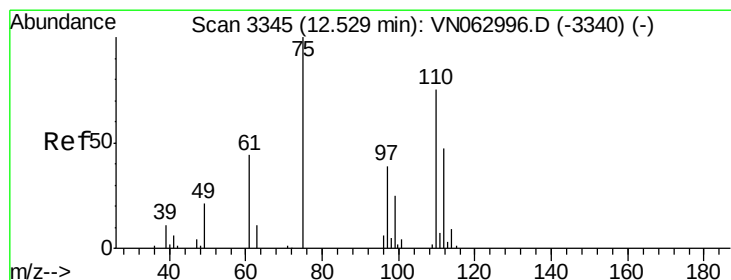
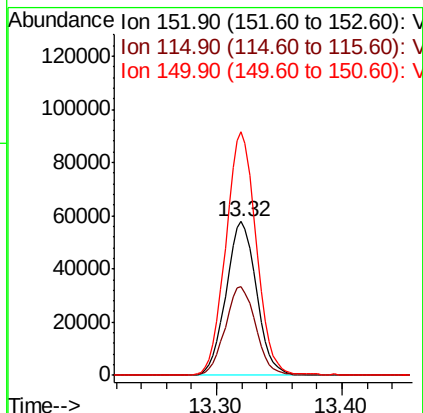
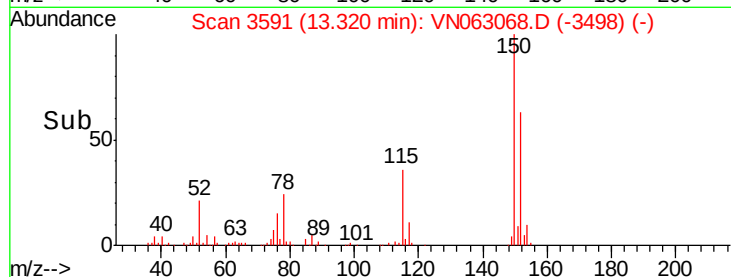
150 158.3 0.0 348.8



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: 27.714 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. -0.15 min

Lab File: VN063068.D

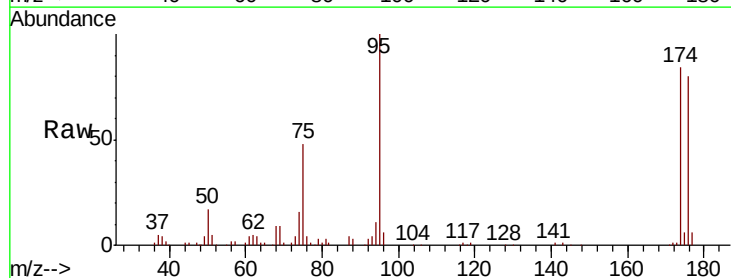
Acq: 21 Aug 2020 5:18

Tgt Ion: 75 Resp: 52588

Ion Ratio Lower Upper

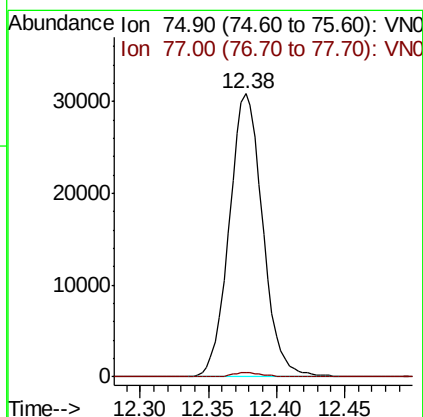
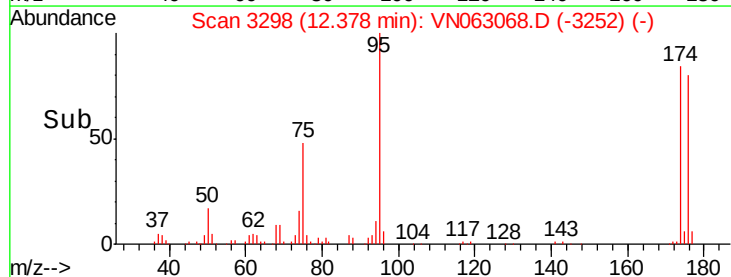
75 100

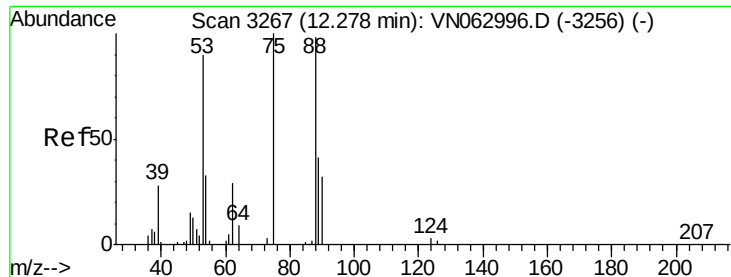
77 1.3 0.0 0.0#



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: 76.116 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.10 min

Lab File: VN063068.D

Acq: 21 Aug 2020 5:18

Instrument :

MSVOA_N

ClientSampled :

S39-0208

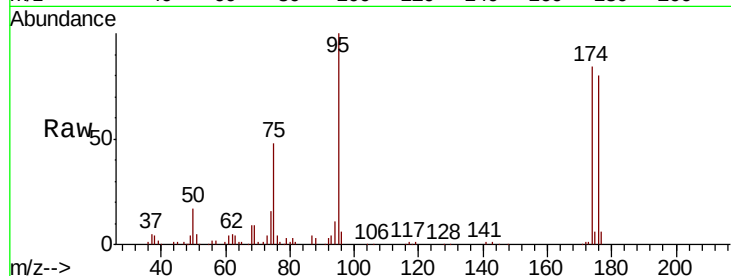
Tot Ion: 75 Resp: 52588

Ion Ratio Lower Upper

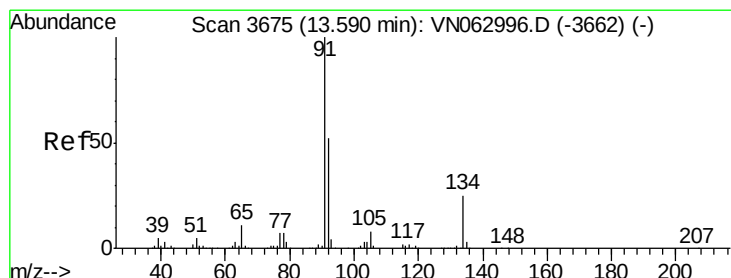
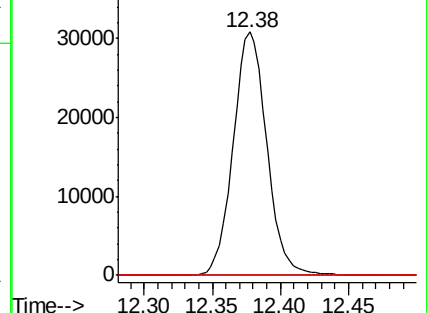
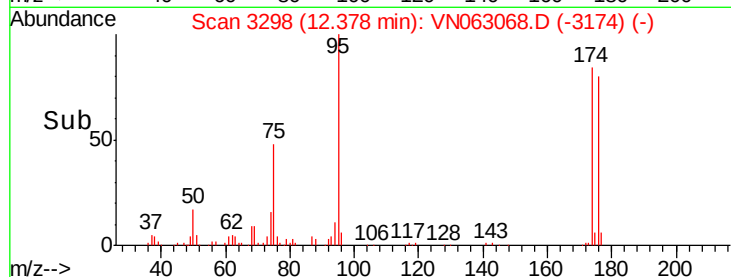
75 100

53 0.0 69.2 103.8#

89 0.0 34.2 51.4#



Abundance Ion 74.90 (74.60 to 75.60): VN063068.D (-3174) (-)



#89

n-Butylbenzene

Concen: 2.796 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. -0.27 min

Lab File: VN063068.D

Acq: 21 Aug 2020 5:18

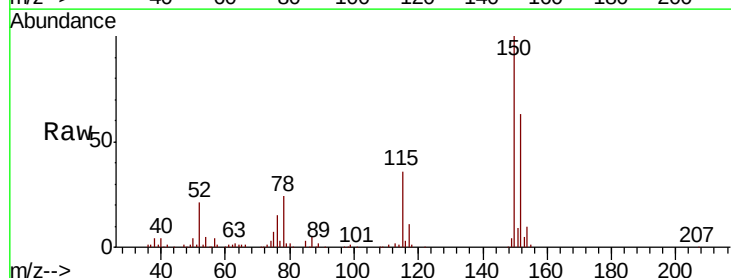
Tgt Ion: 91 Resp: 144

Ion Ratio Lower Upper

91 100

92 0.0 25.9 77.6#

134 0.0 12.4 37.0#



Abundance Ion 91.00 (90.70 to 91.70): VN063068.D (-3581) (-)

