

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080521\
 Data File : VN068020.D
 Acq On : 5 Aug 2021 16:56
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 06 01:24:06 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072921W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 29 15:02:35 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

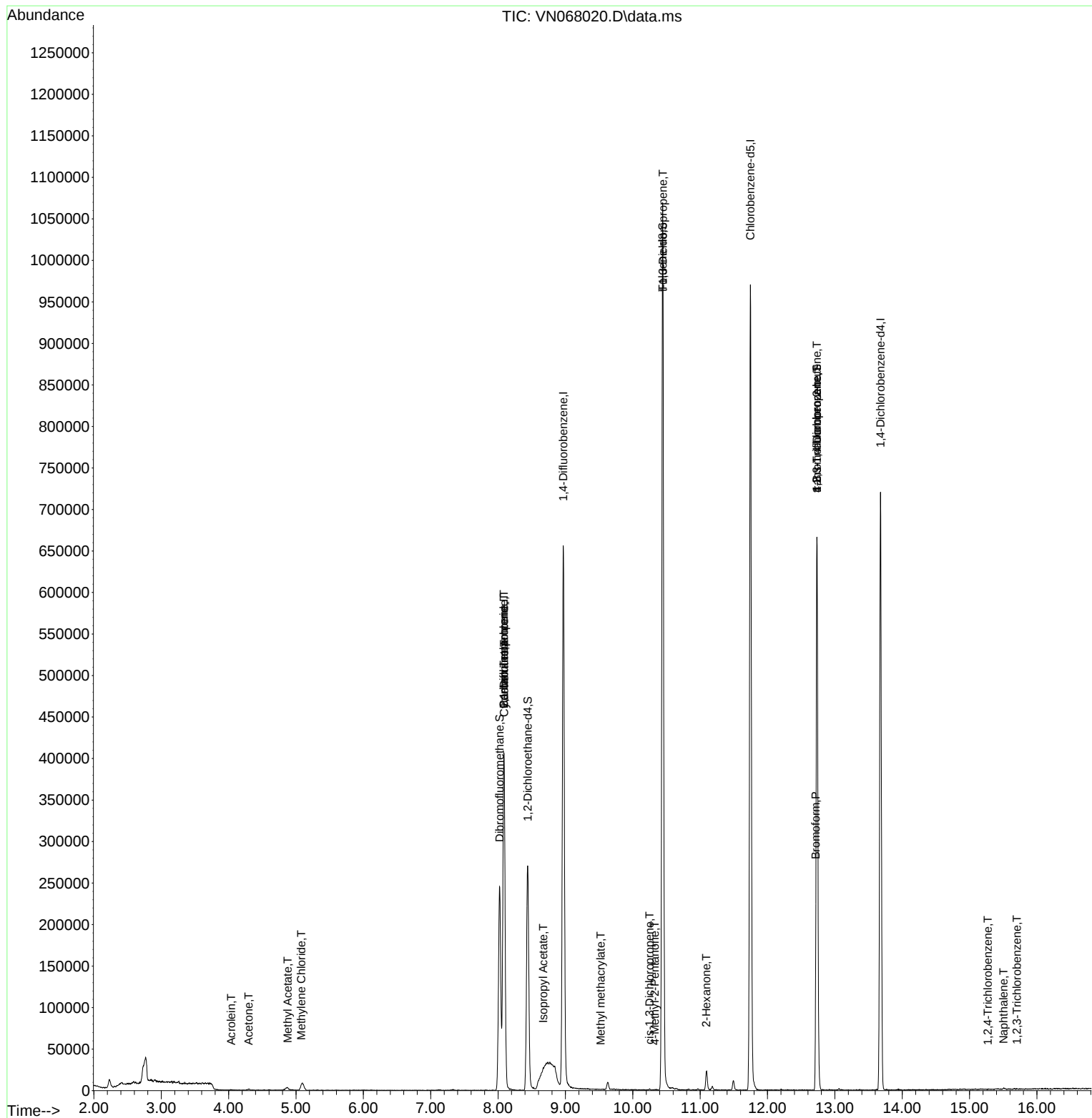
Internal Standards						
1) Pentafluorobenzene	8.086	168	297636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	585071	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	564299	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	187384	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	230958	54.813	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.620%			
35) Dibromofluoromethane	8.021	113	178641	52.392	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.780%			
50) Toluene-d8	10.443	98	744632	47.527	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 95.060%			
62) 4-Bromofluorobenzene	12.734	95	237553	42.115	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 84.220%			
Target Compounds						
					Qvalue	
13) Acrolein	4.039	56	225	0.587	ug/l #	44
16) Acetone	4.296	43	2088	1.358	ug/l	93
18) Methyl Acetate	4.875	43	7038	1.805	ug/l	93
20) Methylene Chloride	5.079	84	4532	0.998	ug/l #	72
31) Cyclohexane	8.091	56	7725	1.243	ug/l #	23
36) 1,1-Dichloropropene	8.086	75	26797	4.952	ug/l #	52
38) Carbon Tetrachloride	8.086	117	33810	6.353	ug/l #	17
43) Isopropyl Acetate	8.670	43	33783	3.980	ug/l #	58
48) Methyl methacrylate	9.523	41	63	2.319	ug/l #	12
51) 4-Methyl-2-Pentanone	10.325	43	352	12.621	ug/l #	39
53) t-1,3-Dichloropropene	10.446	75	106	2.848	ug/l #	1
54) cis-1,3-Dichloropropene	10.250	75	76	2.365	ug/l #	27
59) 2-Hexanone	11.092	43	5150	14.394	ug/l #	52
71) Bromoform	12.717	173	293	4.105	ug/l #	1
76) 1,2,3-Trichloropropane	12.734	75	131767	35.014	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	131767	93.752	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.271	180	24	2.475	ug/l #	1
95) Naphthalene	15.504	128	1031	3.244	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.703	180	99	2.403	ug/l #	78

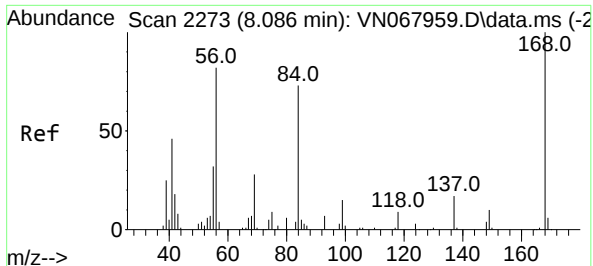
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 29 15:02:35 2021
Response via : Initial Calibration

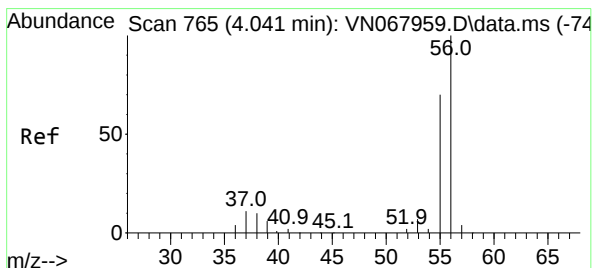
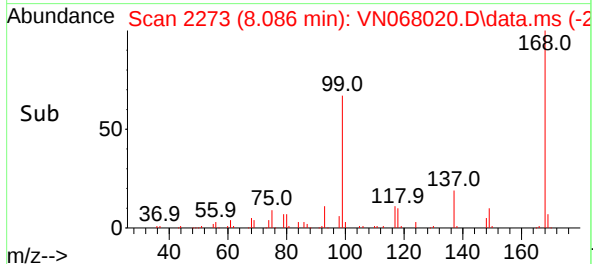
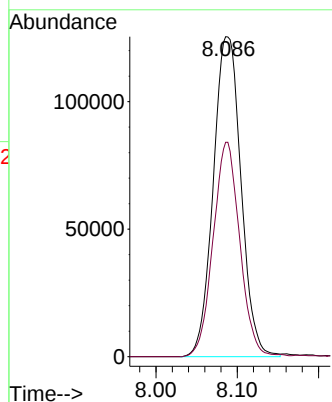
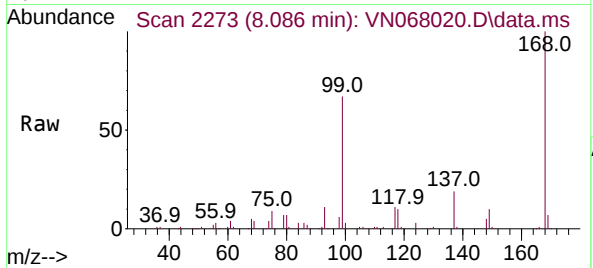




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.000 min
Lab File: VN068020.D
Acq: 5 Aug 2021 16:56

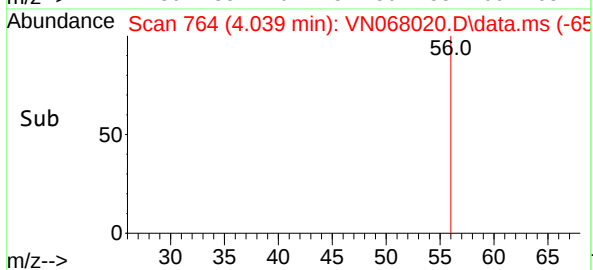
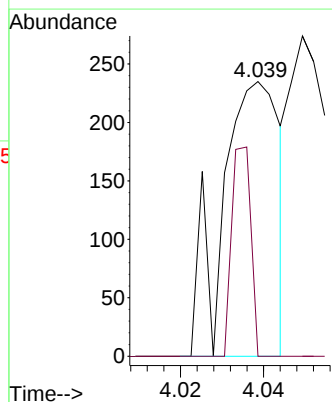
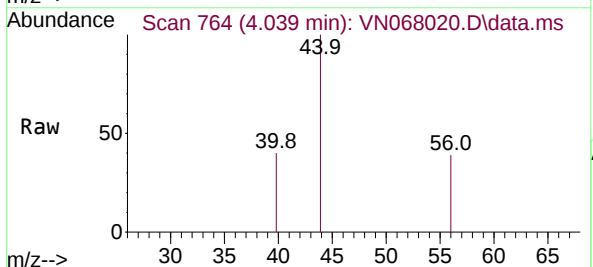
Instrument :
MSVOA_N
ClientSampled :

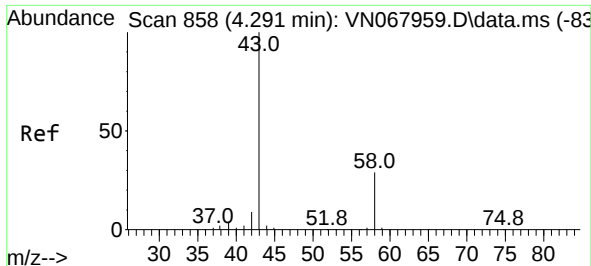
Tgt Ion:168 Resp: 297636
Ion Ratio Lower Upper
168 100
99 67.0 62.9 94.3



#13
Acrolein
Concen: 0.587 ug/l
RT: 4.039 min Scan# 764
Delta R.T. -0.002 min
Lab File: VN068020.D
Acq: 5 Aug 2021 16:56

Tgt Ion: 56 Resp: 225
Ion Ratio Lower Upper
56 100
55 25.3 57.4 86.0#

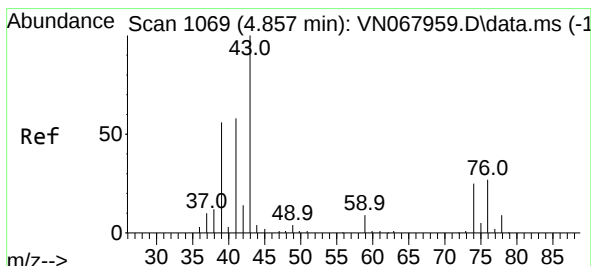
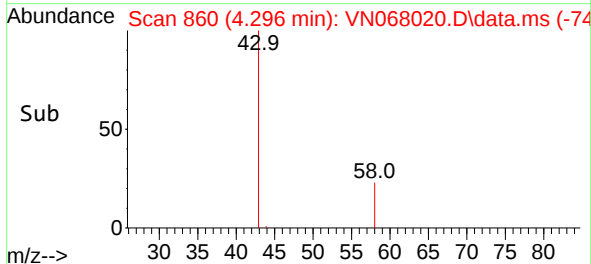
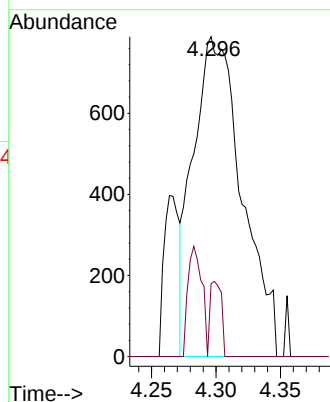
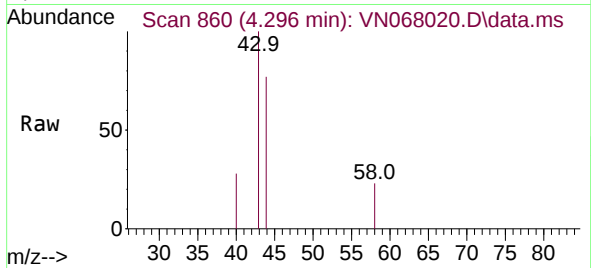




#16
Acetone
Concen: 1.358 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.005 min
Lab File: VN068020.D
Acq: 5 Aug 2021 16:56

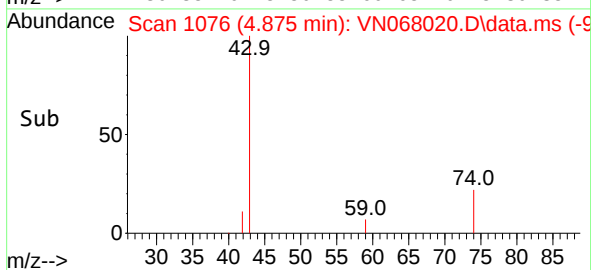
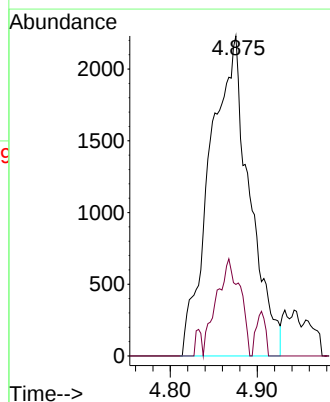
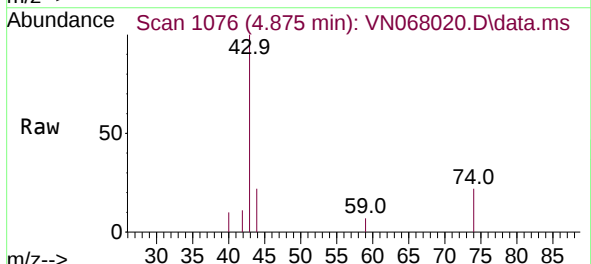
Instrument :
MSVOA_N
ClientSampled :

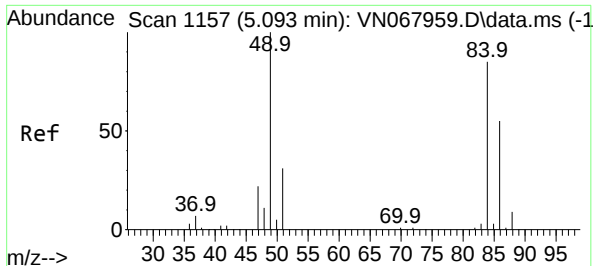
Tgt Ion: 43 Resp: 2088
Ion Ratio Lower Upper
43 100
58 22.8 21.2 31.8



#18
Methyl Acetate
Concen: 1.805 ug/l
RT: 4.875 min Scan# 1076
Delta R.T. 0.018 min
Lab File: VN068020.D
Acq: 5 Aug 2021 16:56

Tgt Ion: 43 Resp: 7038
Ion Ratio Lower Upper
43 100
74 18.2 17.4 26.0





#20

Methylene Chloride

Concen: 0.998 ug/l

RT: 5.079 min Scan# 1152

Delta R.T. -0.014 min

Lab File: VN068020.D

Acq: 5 Aug 2021 16:56

Tgt Ion: 84 Resp: 4532

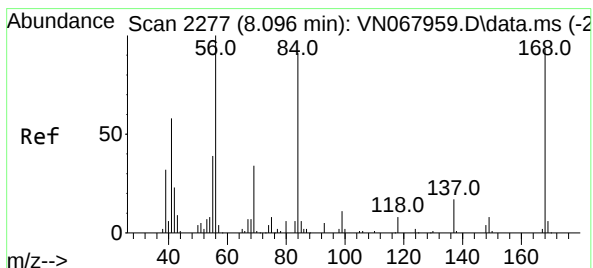
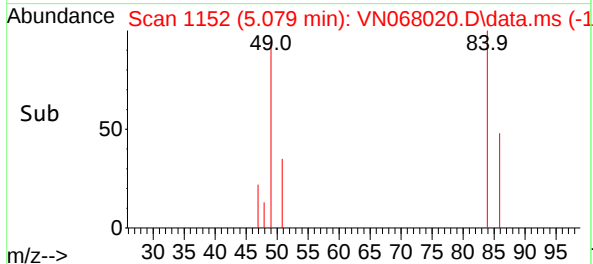
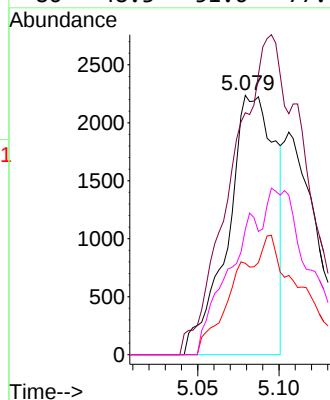
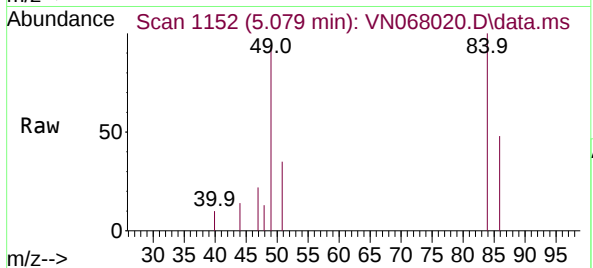
Ion Ratio Lower Upper

84 100

49 93.2 110.9 166.3#

51 35.2 32.6 49.0

86 48.3 51.6 77.4#



#31

Cyclohexane

Concen: 1.243 ug/l

RT: 8.091 min Scan# 2275

Delta R.T. -0.005 min

Lab File: VN068020.D

Acq: 5 Aug 2021 16:56

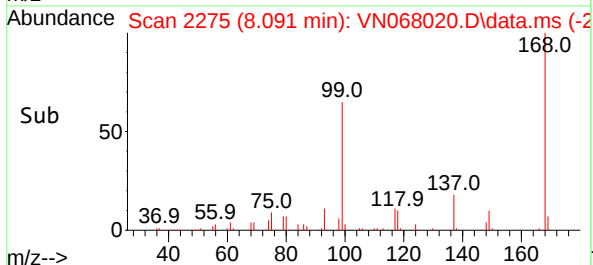
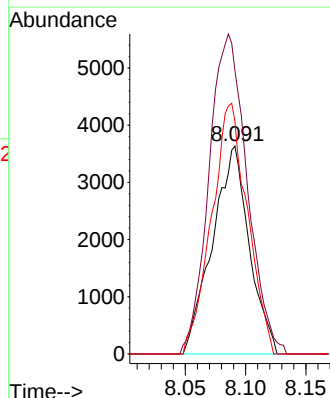
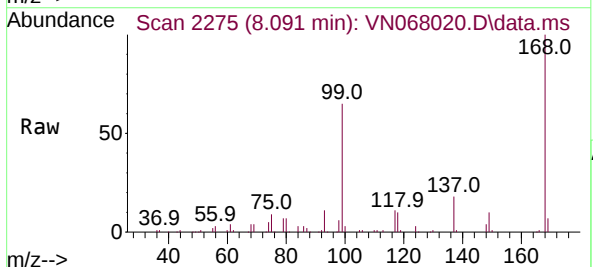
Tgt Ion: 56 Resp: 7725

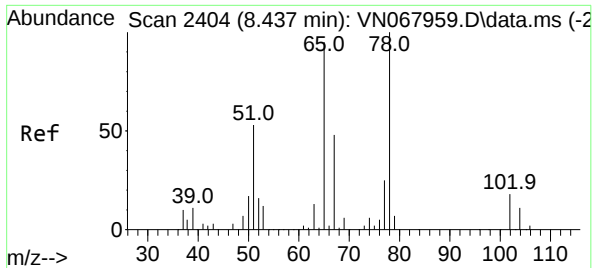
Ion Ratio Lower Upper

56 100

69 136.4 27.3 40.9#

84 111.9 64.9 97.3#

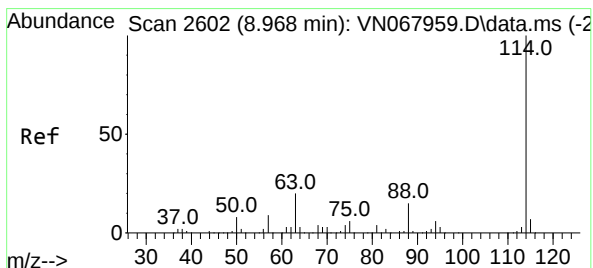
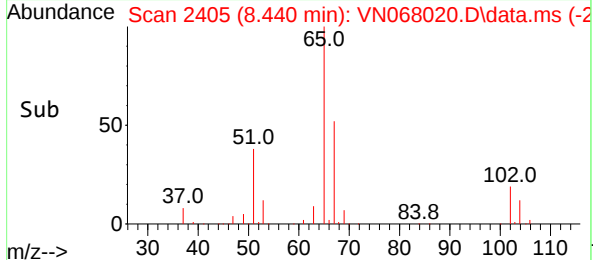
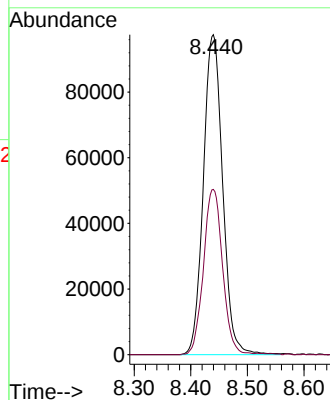
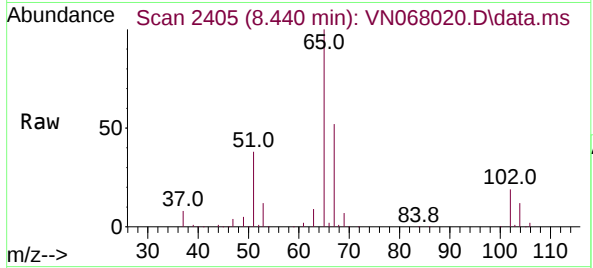




#33
 1,2-Dichloroethane-d4
 Concen: 54.813 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. 0.003 min
 Lab File: VN068020.D
 Acq: 5 Aug 2021 16:56

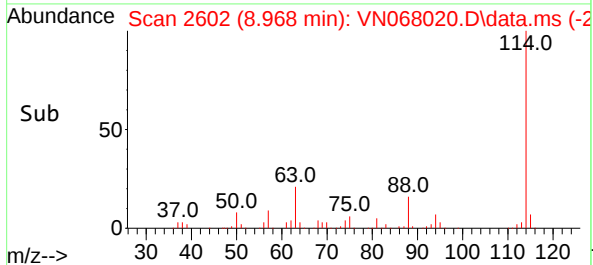
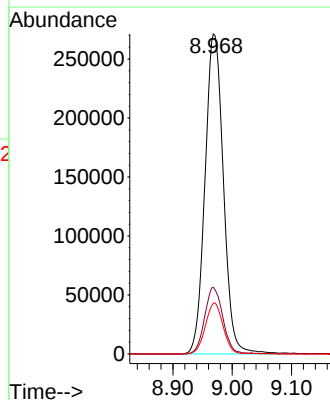
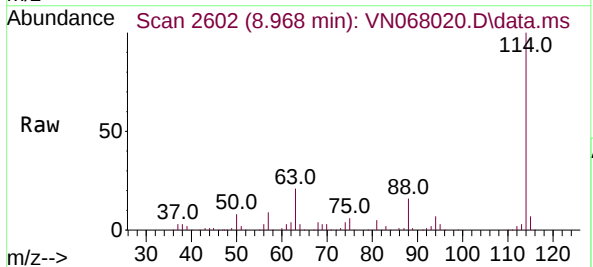
Instrument :
 MSVOA_N
 ClientSampled :

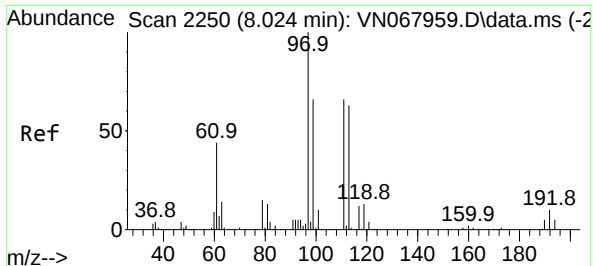
Tgt Ion: 65 Resp: 230958
 Ion Ratio Lower Upper
 65 100
 67 51.1 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.968 min Scan# 2602
 Delta R.T. 0.000 min
 Lab File: VN068020.D
 Acq: 5 Aug 2021 16:56

Tgt Ion: 114 Resp: 585071
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 49.0
 88 15.8 0.0 36.6





#35

Dibromofluoromethane

Concen: 52.392 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. -0.003 min

Lab File: VN068020.D

Acq: 5 Aug 2021 16:56

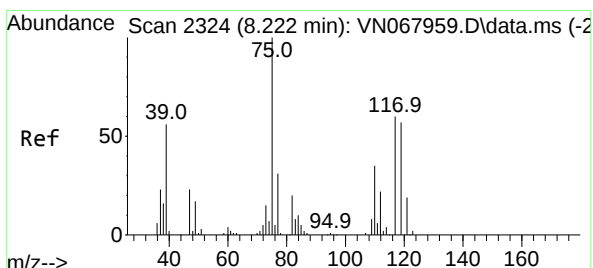
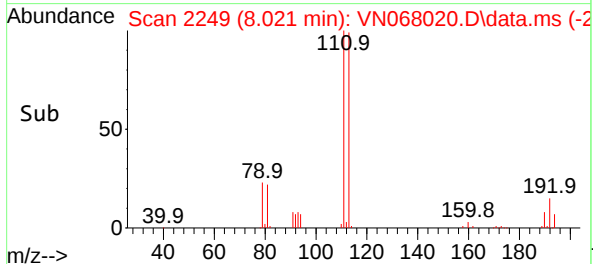
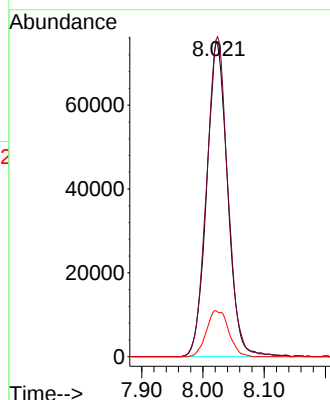
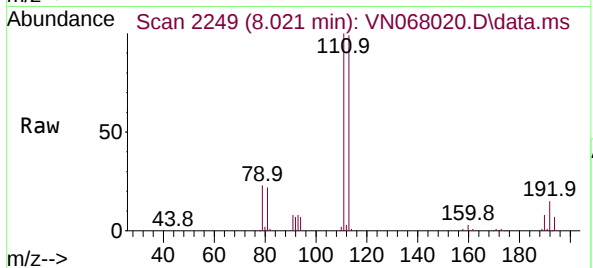
Tgt Ion:113 Resp: 178641

Ion Ratio Lower Upper

113 100

111 102.8 83.8 125.8

192 15.6 13.4 20.0



#36

1,1-Dichloropropene

Concen: 4.952 ug/l

RT: 8.086 min Scan# 2273

Delta R.T. -0.136 min

Lab File: VN068020.D

Acq: 5 Aug 2021 16:56

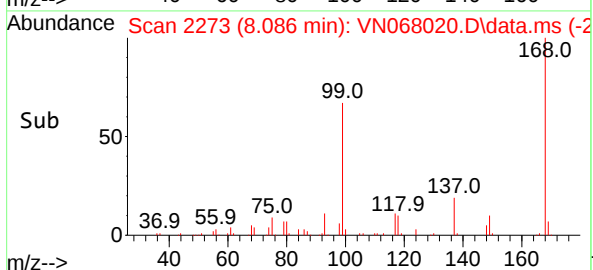
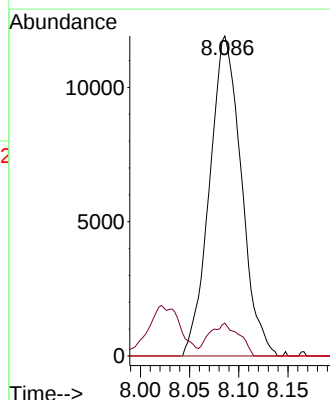
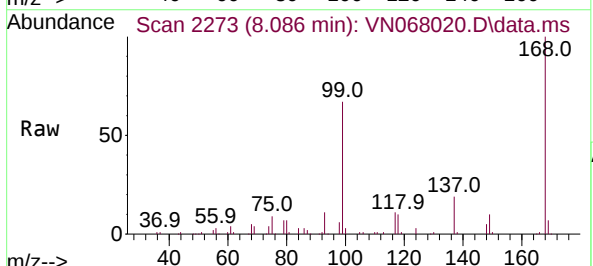
Tgt Ion: 75 Resp: 26797

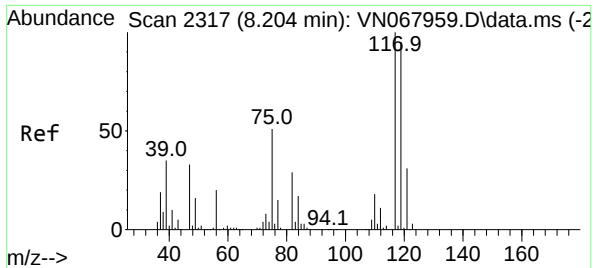
Ion Ratio Lower Upper

75 100

110 9.6 15.7 47.0#

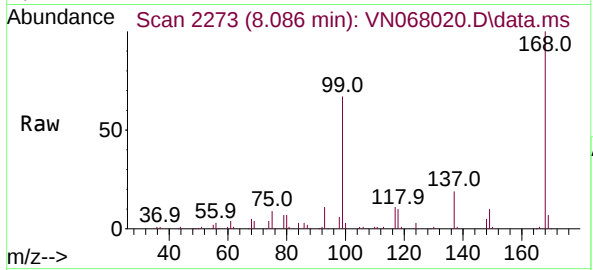
77 0.0 24.6 37.0#



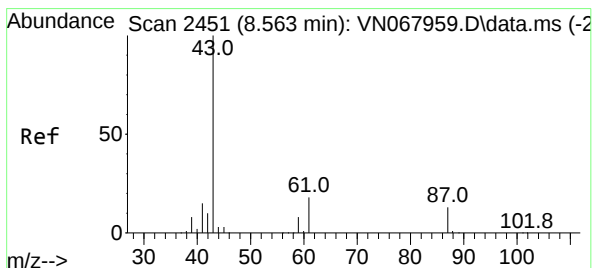
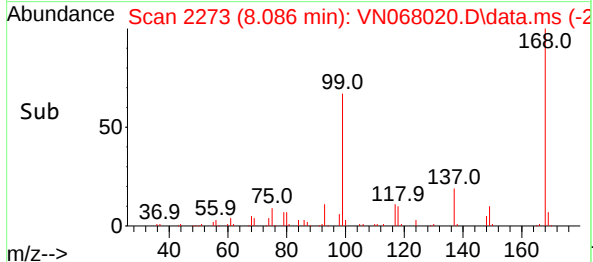
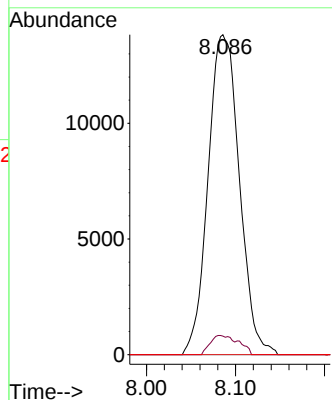


#38
Carbon Tetrachloride
Concen: 6.353 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.118 min
Lab File: VN068020.D
Acq: 5 Aug 2021 16:56

Instrument :
MSVOA_N
ClientSampled :

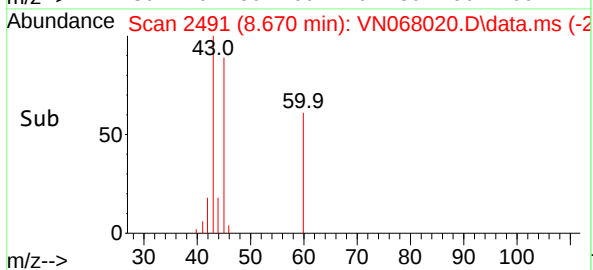
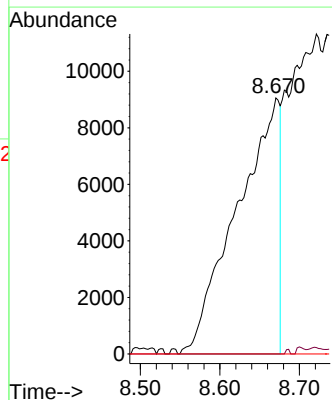
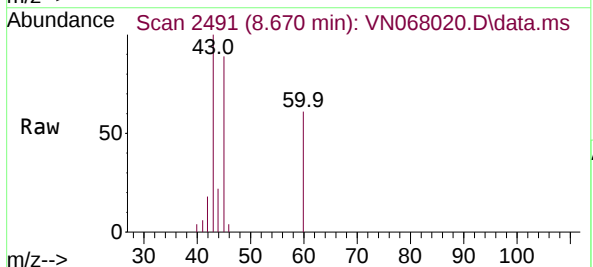


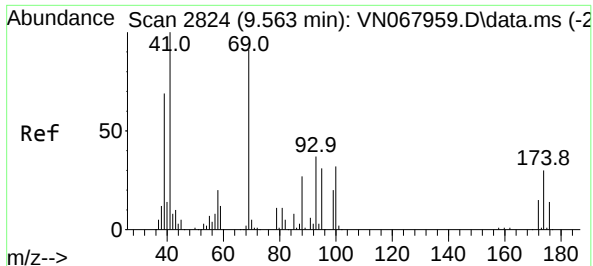
Tgt Ion:117 Resp: 33810
Ion Ratio Lower Upper
117 100
119 5.8 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 3.980 ug/l
RT: 8.670 min Scan# 2491
Delta R.T. 0.107 min
Lab File: VN068020.D
Acq: 5 Aug 2021 16:56

Tgt Ion: 43 Resp: 33783
Ion Ratio Lower Upper
43 100
61 0.0 19.0 28.4#
87 0.0 9.5 14.3#





#48

Methyl methacrylate

Concen: 2.319 ug/l

RT: 9.523 min Scan# 2809

Delta R.T. -0.040 min

Lab File: VN068020.D

Acq: 5 Aug 2021 16:56

Tgt Ion: 41 Resp: 63

Ion Ratio Lower Upper

41 100

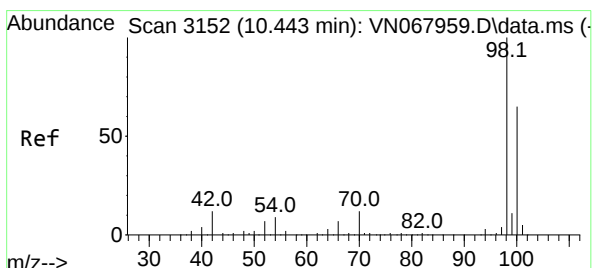
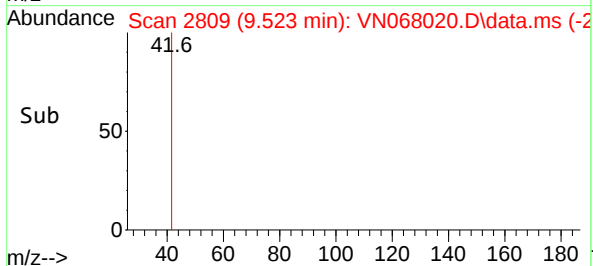
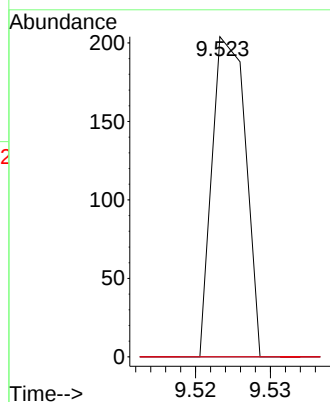
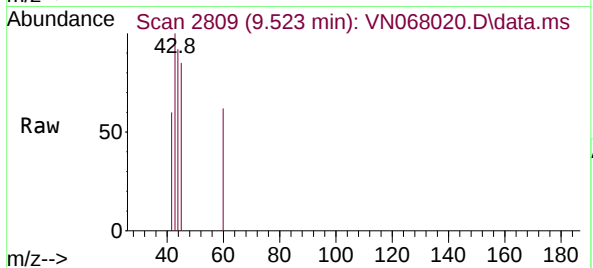
69 0.0 64.6 96.8#

39 0.0 53.3 79.9#

Instrument :

MSVOA_N

ClientSampled :



#50

Toluene-d8

Concen: 47.527 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN068020.D

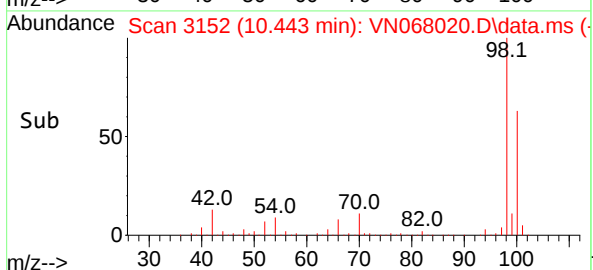
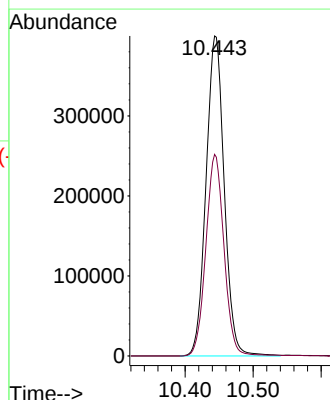
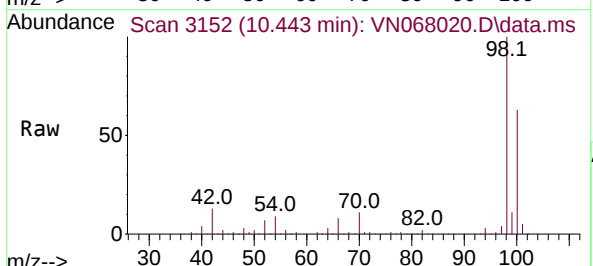
Acq: 5 Aug 2021 16:56

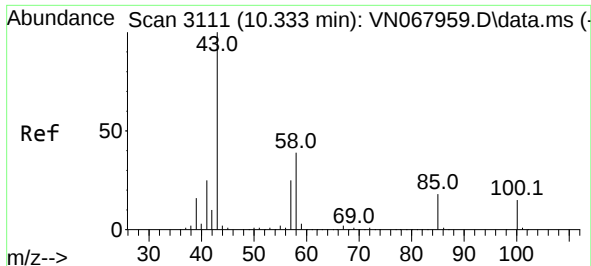
Tgt Ion: 98 Resp: 744632

Ion Ratio Lower Upper

98 100

100 62.7 51.7 77.5

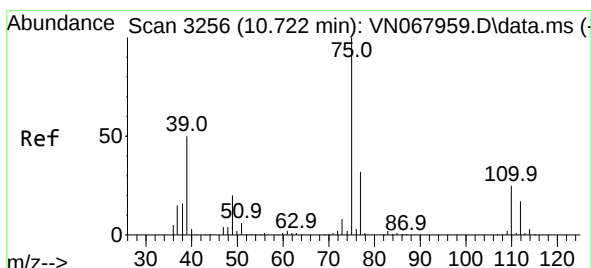
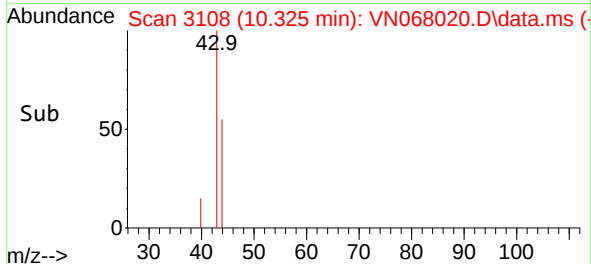
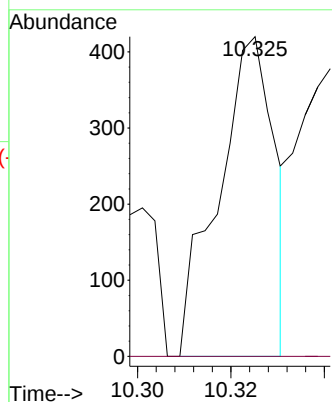
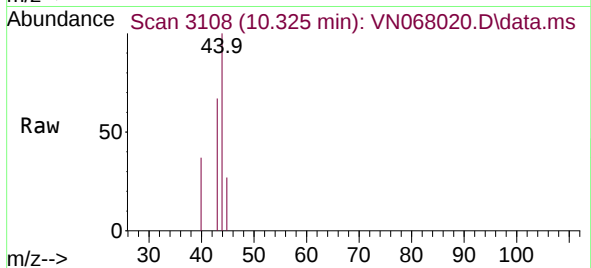




#51
4-Methyl-2-Pentanone
Concen: 12.621 ug/l
RT: 10.325 min Scan# 3108
Delta R.T. -0.008 min
Lab File: VN068020.D
Acq: 5 Aug 2021 16:56

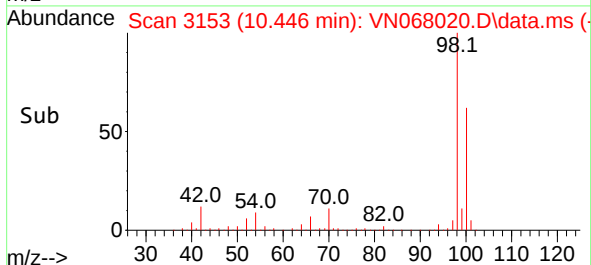
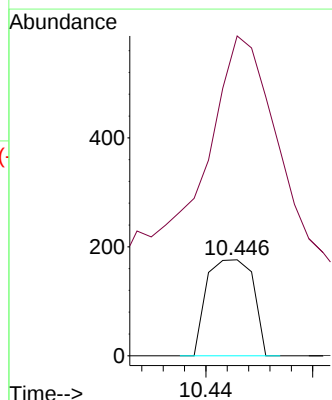
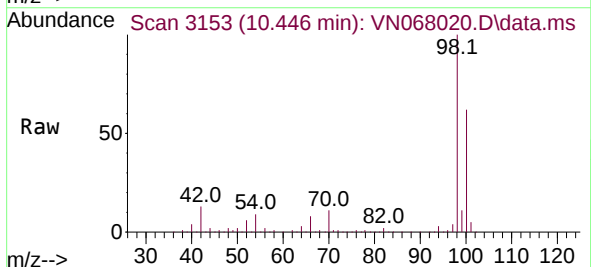
Instrument :
MSVOA_N
ClientSampled :

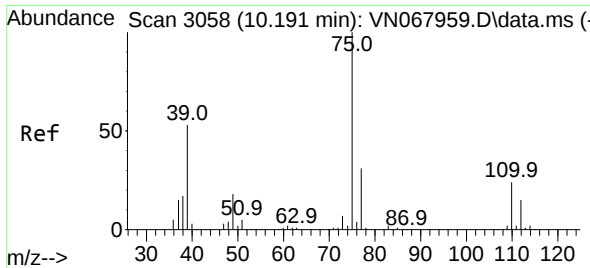
Tgt Ion: 43 Resp: 352
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#53
t-1,3-Dichloropropene
Concen: 2.848 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. -0.276 min
Lab File: VN068020.D
Acq: 5 Aug 2021 16:56

Tgt Ion: 75 Resp: 106
Ion Ratio Lower Upper
75 100
77 183.5 25.1 37.7#

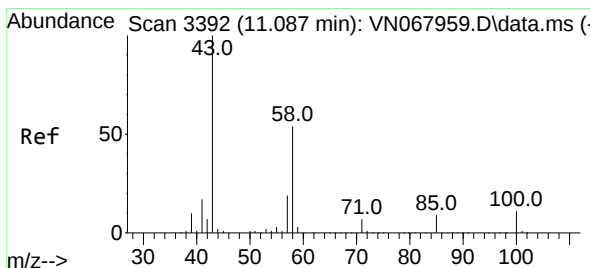
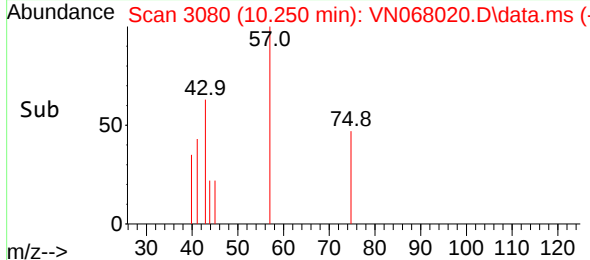
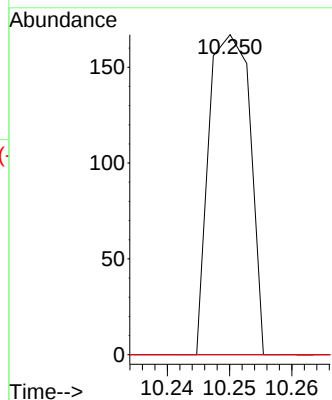
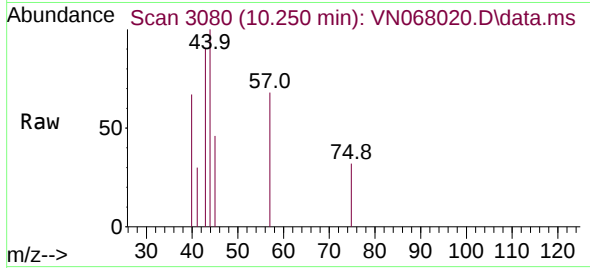




#54
 cis-1,3-Dichloropropene
 Concen: 2.365 ug/l
 RT: 10.250 min Scan# 3080
 Delta R.T. 0.059 min
 Lab File: VN068020.D
 Acq: 5 Aug 2021 16:56

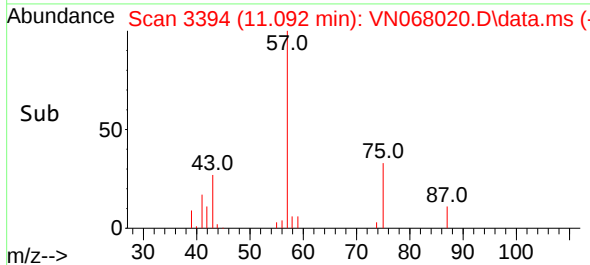
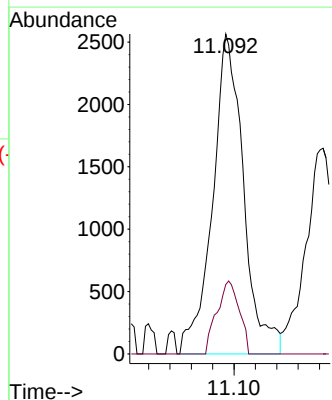
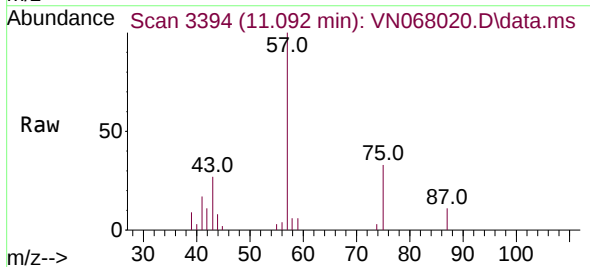
Instrument :
 MSVOA_N
 ClientSampled :

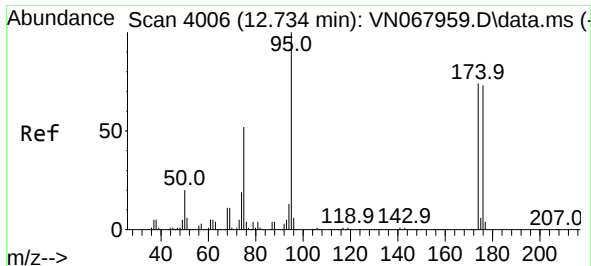
Tgt Ion: 75 Resp: 76
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 37.0#
 39 0.0 50.7 76.1#



#59
 2-Hexanone
 Concen: 14.394 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.005 min
 Lab File: VN068020.D
 Acq: 5 Aug 2021 16:56

Tgt Ion: 43 Resp: 5150
 Ion Ratio Lower Upper
 43 100
 58 16.4 24.7 74.1#

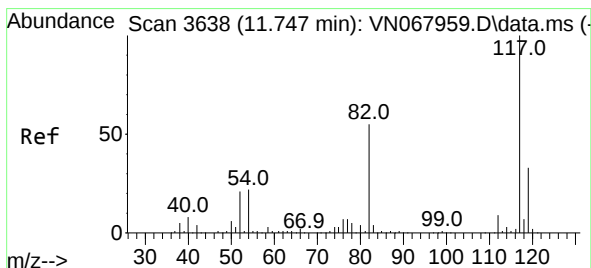
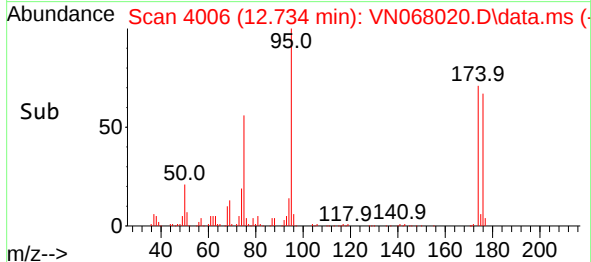
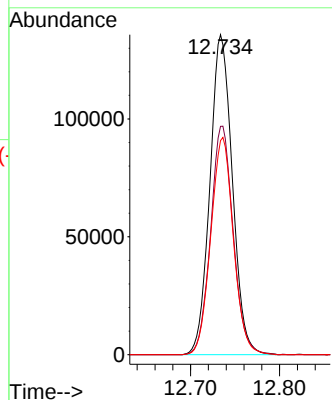
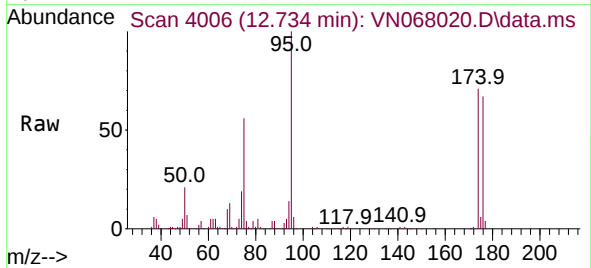




#62
4-Bromofluorobenzene
Concen: 42.115 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068020.D
Acq: 5 Aug 2021 16:56

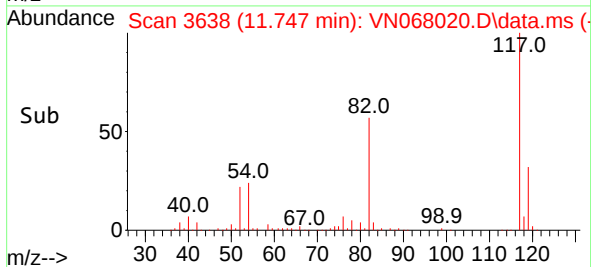
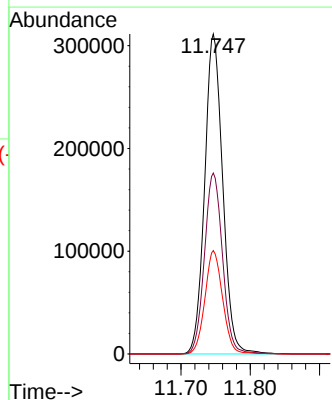
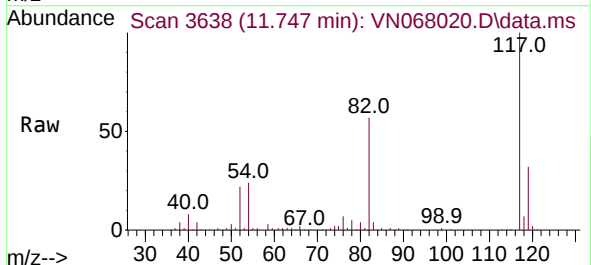
Instrument :
MSVOA_N
ClientSampled :

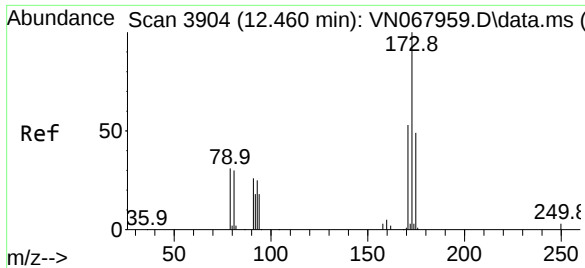
Tgt Ion: 95 Resp: 237553
Ion Ratio Lower Upper
95 100
174 72.0 0.0 122.0
176 68.5 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068020.D
Acq: 5 Aug 2021 16:56

Tgt Ion: 117 Resp: 564299
Ion Ratio Lower Upper
117 100
82 56.6 53.1 79.7
119 32.3 25.5 38.3

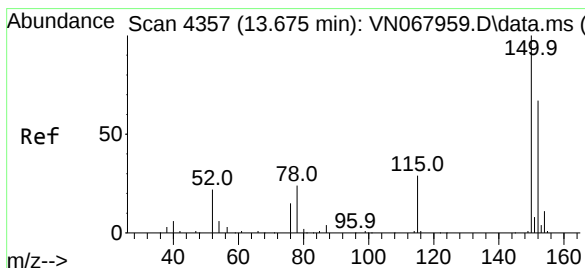
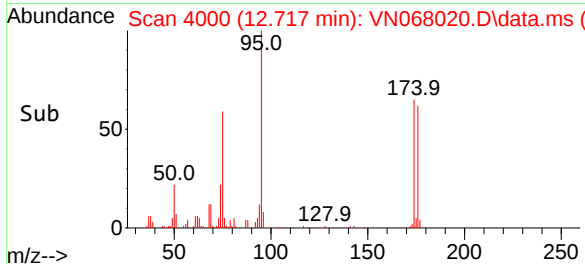
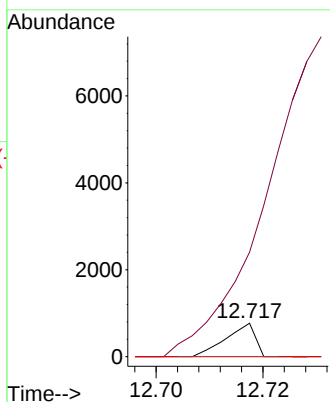
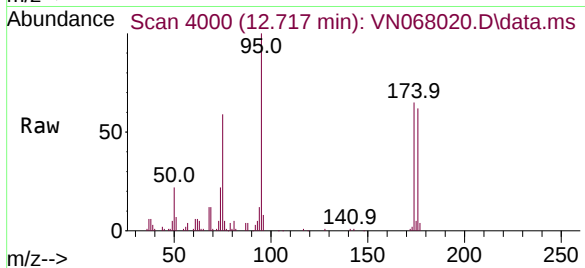




#71
Bromoform
Concen: 4.105 ug/l
RT: 12.717 min Scan# 4000
Delta R.T. 0.257 min
Lab File: VN068020.D
Acq: 5 Aug 2021 16:56

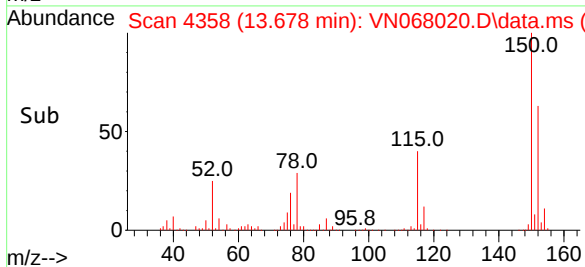
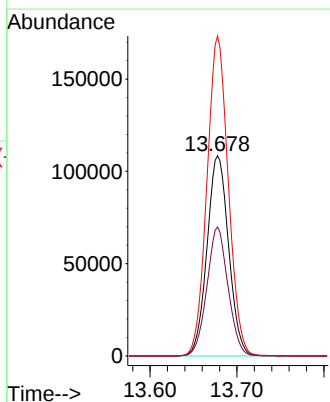
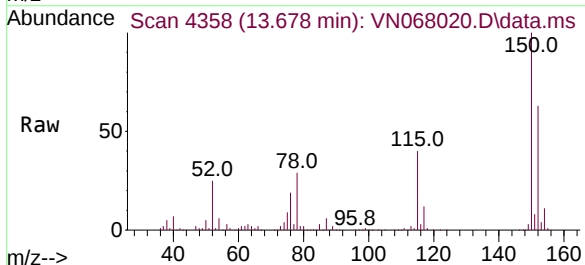
Instrument :
MSVOA_N
ClientSampled :

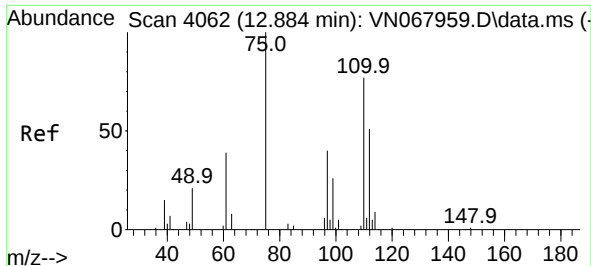
Tgt Ion:173 Resp: 293
Ion Ratio Lower Upper
173 100
175 4261.8 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068020.D
Acq: 5 Aug 2021 16:56

Tgt Ion:152 Resp: 187384
Ion Ratio Lower Upper
152 100
115 62.8 36.1 108.5
150 157.6 0.0 351.8

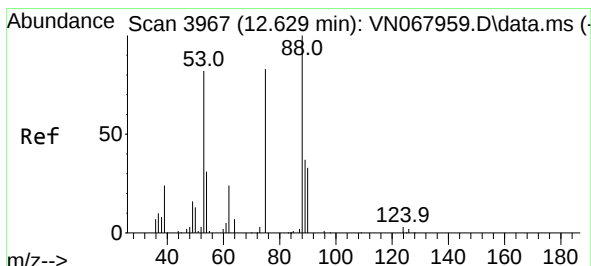
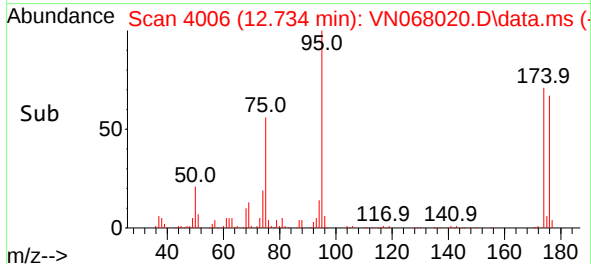
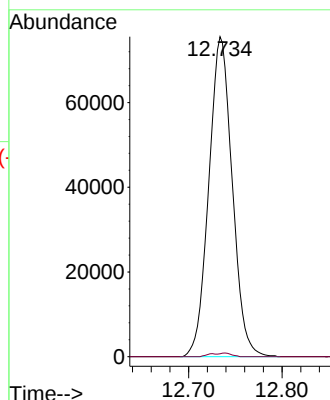
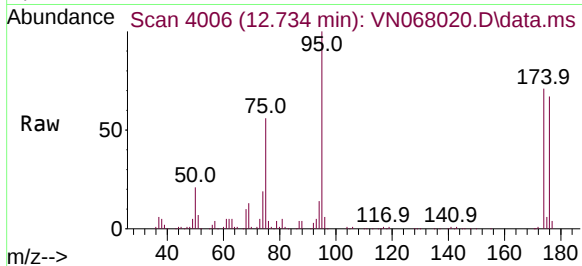




#76
1,2,3-Trichloropropane
Concen: 35.014 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068020.D
Acq: 5 Aug 2021 16:56

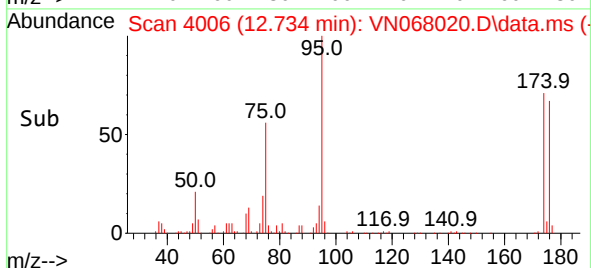
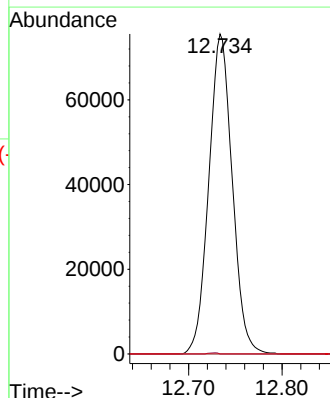
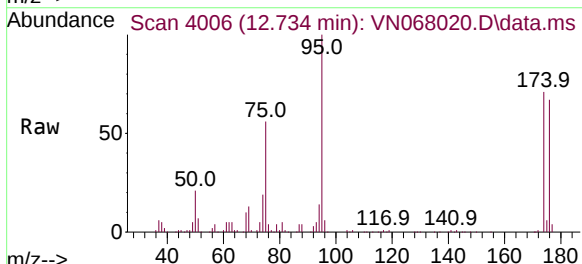
Instrument :
MSVOA_N
ClientSampled :

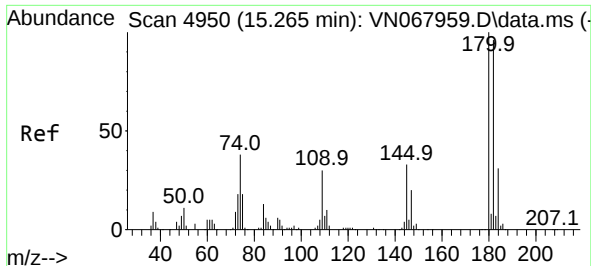
Tgt Ion: 75 Resp: 131767
Ion Ratio Lower Upper
75 100
77 0.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.752 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068020.D
Acq: 5 Aug 2021 16:56

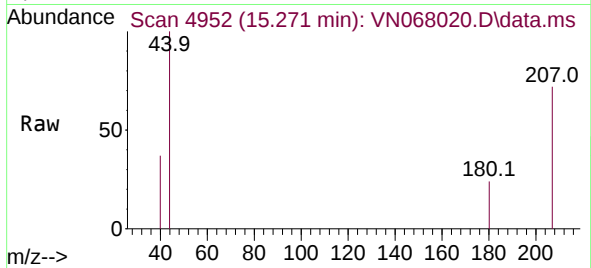
Tgt Ion: 75 Resp: 131767
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



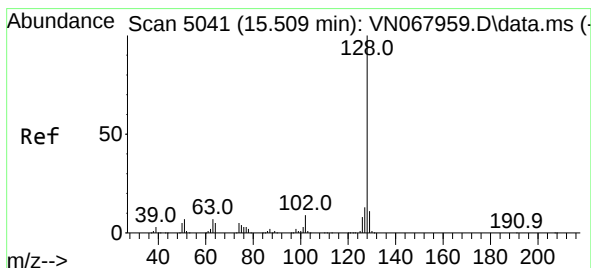
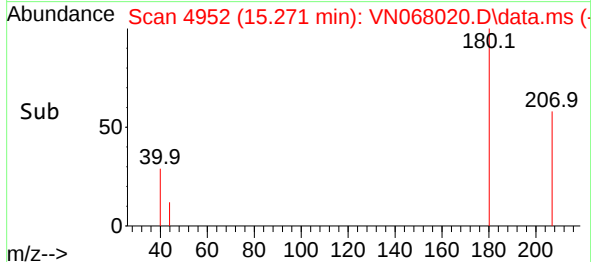
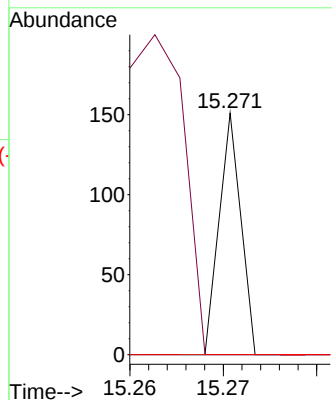


#93
1,2,4-Trichlorobenzene
Concen: 2.475 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN068020.D
Acq: 5 Aug 2021 16:56

Instrument :
MSVOA_N
ClientSampled :

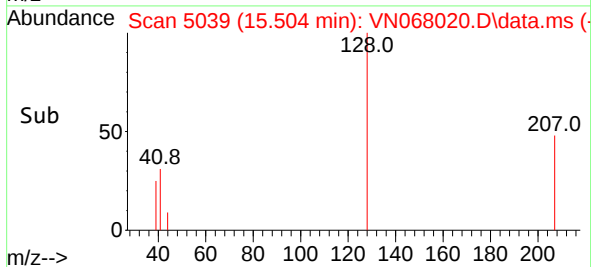
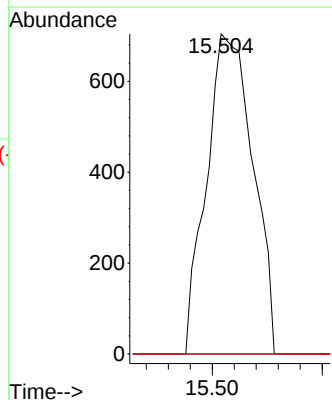
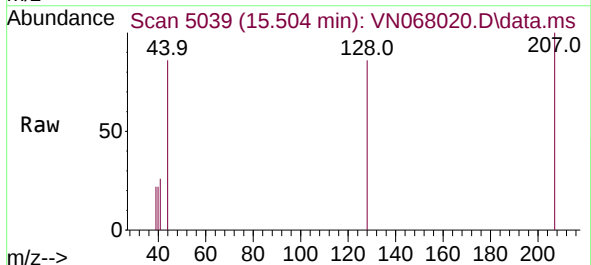


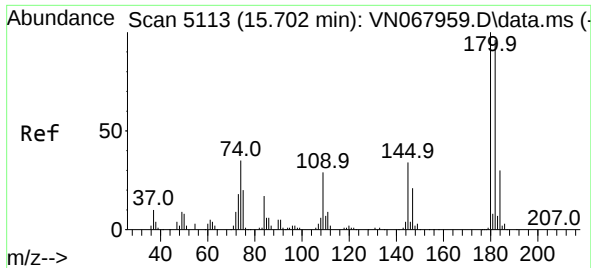
Tgt Ion:180 Resp: 24
Ion Ratio Lower Upper
180 100
182 370.8 47.5 142.5#
145 0.0 17.2 51.6#



#95
Naphthalene
Concen: 3.244 ug/l
RT: 15.504 min Scan# 5039
Delta R.T. -0.005 min
Lab File: VN068020.D
Acq: 5 Aug 2021 16:56

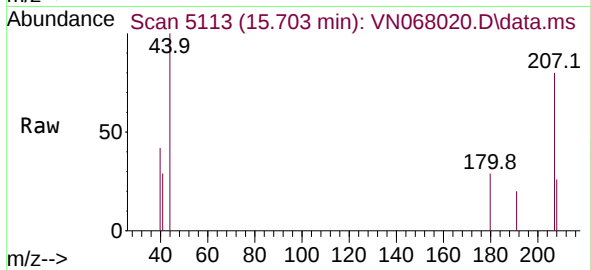
Tgt Ion:128 Resp: 1031
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.403 ug/l
 RT: 15.703 min Scan# 5113
 Delta R.T. 0.001 min
 Lab File: VN068020.D
 Acq: 5 Aug 2021 16:56

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 99
 Ion Ratio Lower Upper
 180 100
 182 88.9 47.8 143.3
 145 0.0 18.2 54.6#

