

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081921\
 Data File : VN068216.D
 Acq On : 19 Aug 2021 14:59
 Operator : JC/MD
 Sample : M3463-45
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 20 01:54:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

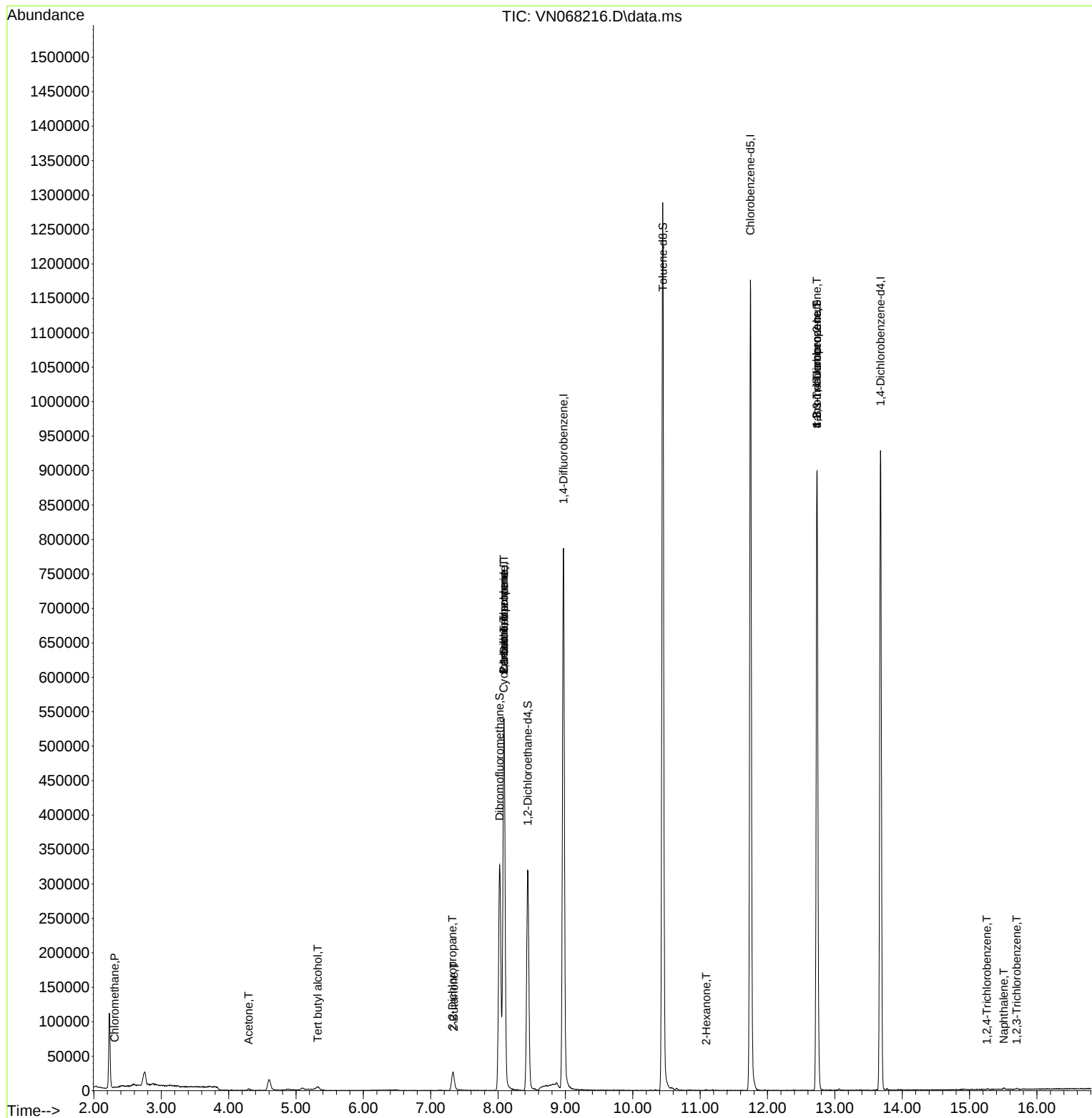
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.088	168	446442	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	752838	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	755811	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	280232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	271749	57.009	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	114.020%	
35) Dibromofluoromethane	8.024	113	243905	51.604	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	103.200%	
50) Toluene-d8	10.446	98	965604	53.616	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	107.240%	
62) 4-Bromofluorobenzene	12.733	95	308265	51.417	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	102.840%	
Target Compounds						Qvalue
3) Chloromethane	2.306	50	1002	0.251	ug/l	# 80
5) Bromomethane	2.829	94	88	Below Cal	#	4
6) Chloroethane	3.011	64	26	Below Cal	#	44
11) Tert butyl alcohol	5.320	59	5053	8.500	ug/l	# 71
13) Acrolein	4.044	56	24	Below Cal	#	1
16) Acetone	4.296	43	2208	1.586	ug/l	# 89
18) Methyl Acetate	4.851	43	1039	Below Cal	#	87
20) Methylene Chloride	5.090	84	1442	Below Cal		93
25) 2-Butanone	7.343	43	963	0.444	ug/l	# 51
26) 2,2-Dichloropropane	7.321	77	1464	0.253	ug/l	# 57
31) Cyclohexane	8.083	56	7649	1.218	ug/l	# 1
36) 1,1-Dichloropropene	8.088	75	30393	4.939	ug/l	# 52
38) Carbon Tetrachloride	8.088	117	41551	5.854	ug/l	# 17
59) 2-Hexanone	11.092	43	1017	0.284	ug/l	67
76) 1,2,3-Trichloropropane	12.733	75	155347	33.352	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	155347	109.268	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.257	180	387	2.763	ug/l	# 54
95) Naphthalene	15.507	128	2472	3.554	ug/l	# 76
96) 1,2,3-Trichlorobenzene	15.700	180	353	2.906	ug/l	75

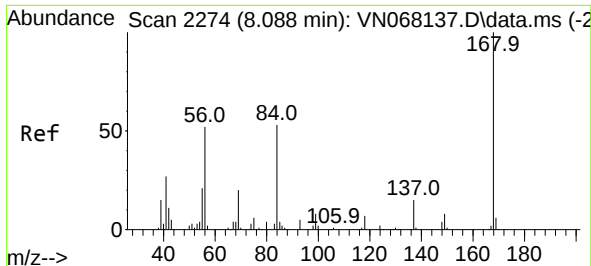
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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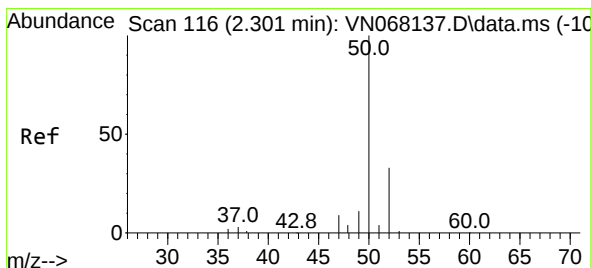
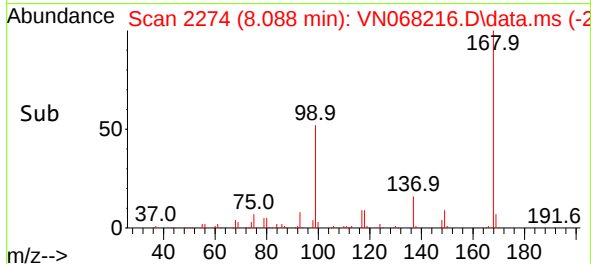
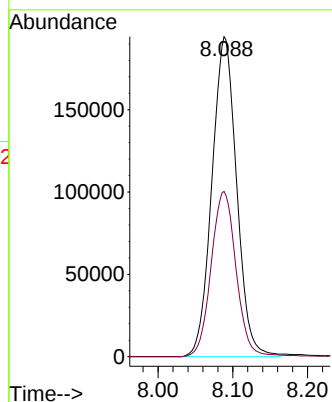
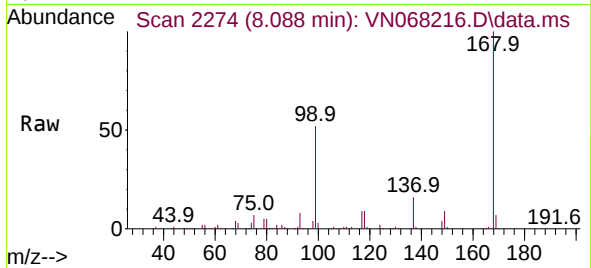




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068216.D
Acq: 19 Aug 2021 14:59

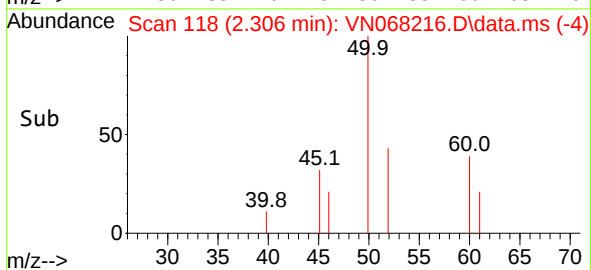
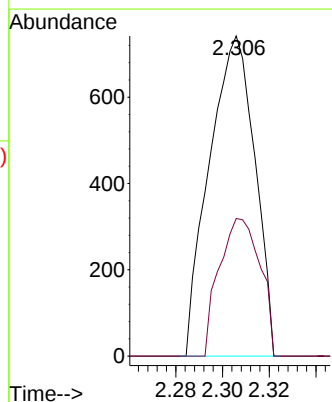
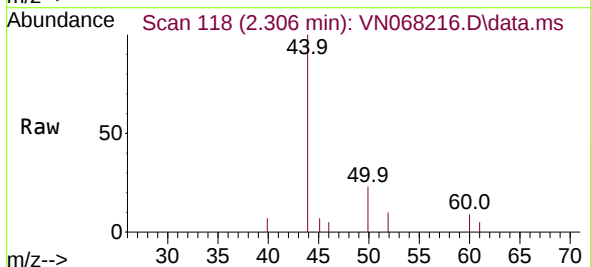
Instrument :
MSVOA_N
ClientSampled :

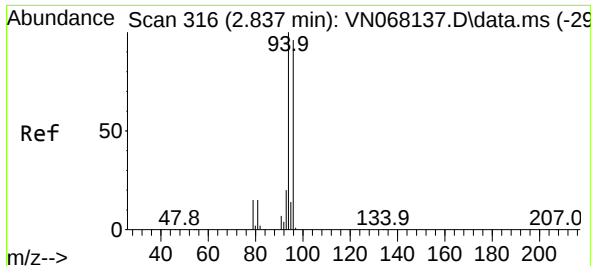
Tgt Ion:168 Resp: 446442
Ion Ratio Lower Upper
168 100
99 51.7 62.9 94.3#



#3
Chloromethane
Concen: 0.251 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN068216.D
Acq: 19 Aug 2021 14:59

Tgt Ion: 50 Resp: 1002
Ion Ratio Lower Upper
50 100
52 43.0 25.6 38.4#

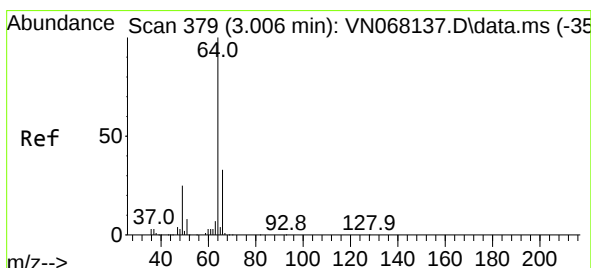
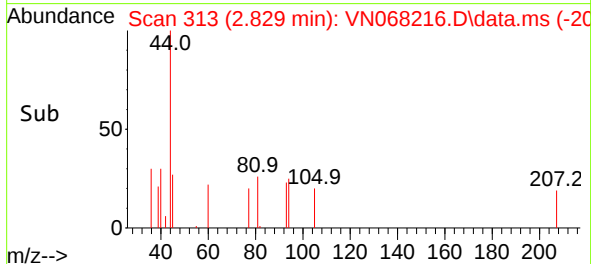
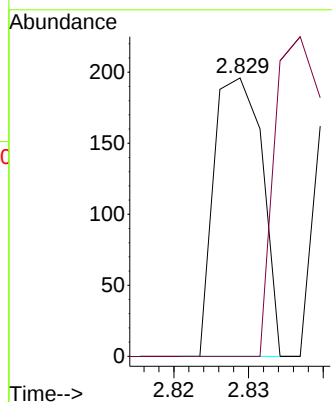
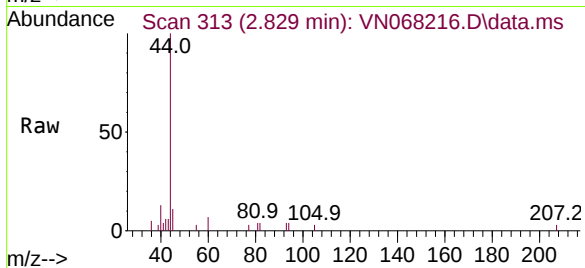




#5
Bromomethane
Concen: Below Cal
RT: 2.829 min Scan# 313
Delta R.T. -0.008 min
Lab File: VN068216.D
Acq: 19 Aug 2021 14:59

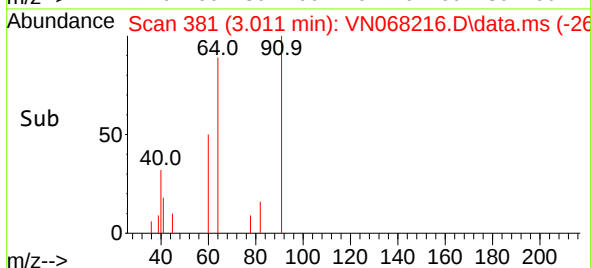
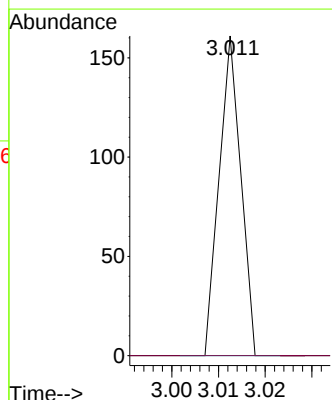
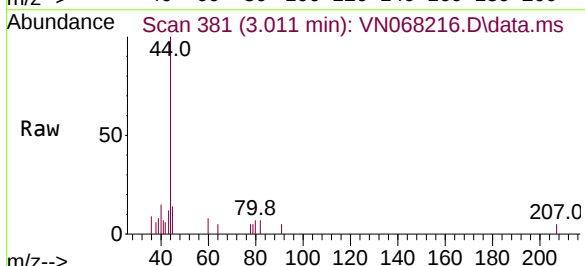
Instrument :
MSVOA_N
ClientSampled :

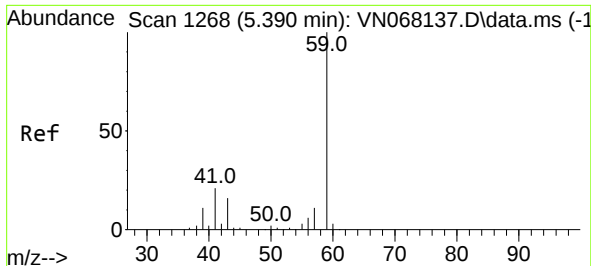
Tgt Ion: 94 Resp: 88
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.011 min Scan# 381
Delta R.T. 0.005 min
Lab File: VN068216.D
Acq: 19 Aug 2021 14:59

Tgt Ion: 64 Resp: 26
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



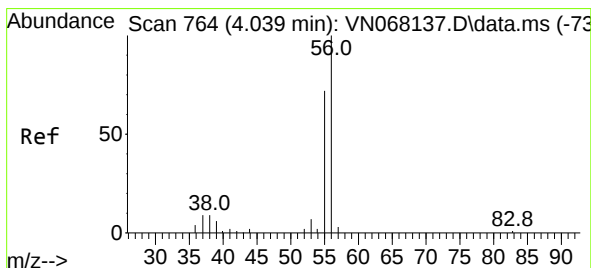
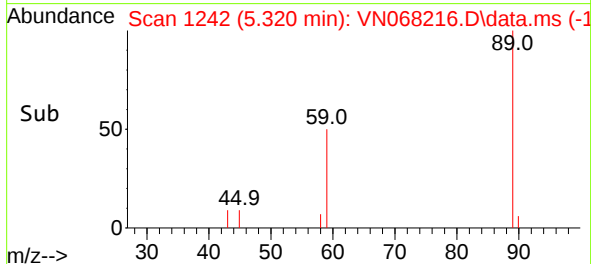
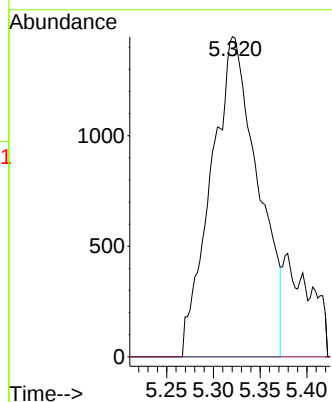
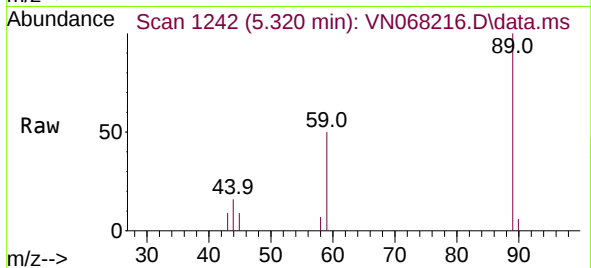


#11

Tert butyl alcohol
Concen: 8.500 ug/l
RT: 5.320 min Scan# 1242
Delta R.T. -0.070 min
Lab File: VN068216.D
Acq: 19 Aug 2021 14:59

Instrument :
MSVOA_N
ClientSampled :

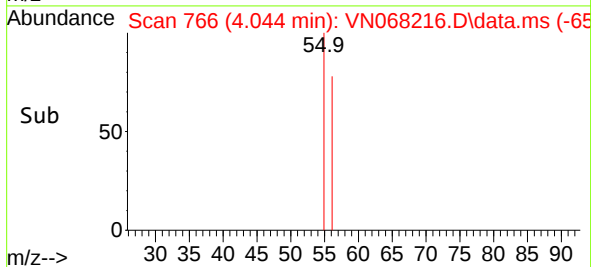
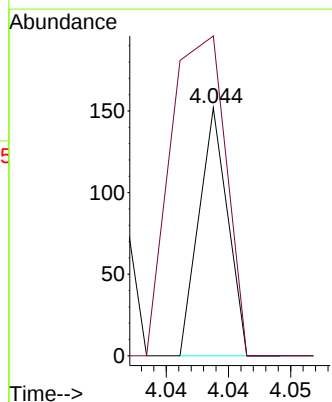
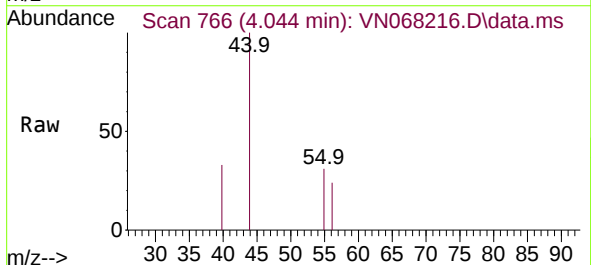
Tgt Ion: 59 Resp: 5053
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

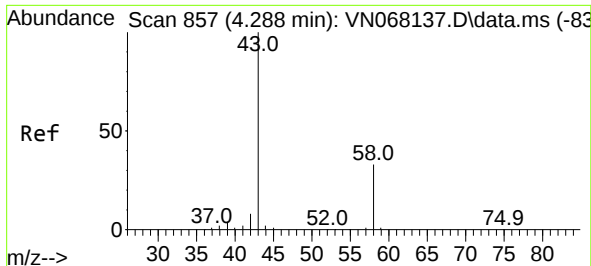


#13

Acrolein
Concen: Below Cal
RT: 4.044 min Scan# 766
Delta R.T. 0.005 min
Lab File: VN068216.D
Acq: 19 Aug 2021 14:59

Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 254.2 57.4 86.0#

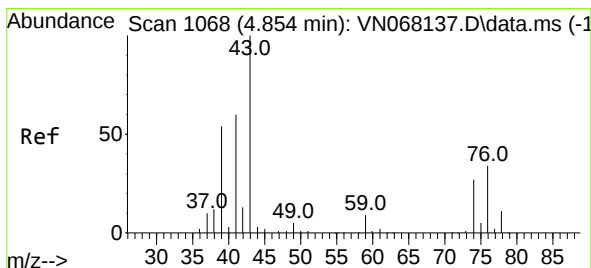
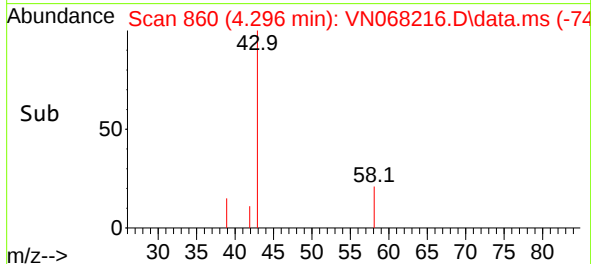
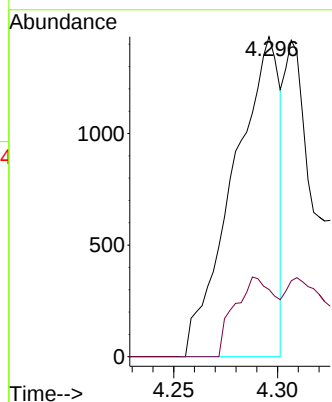
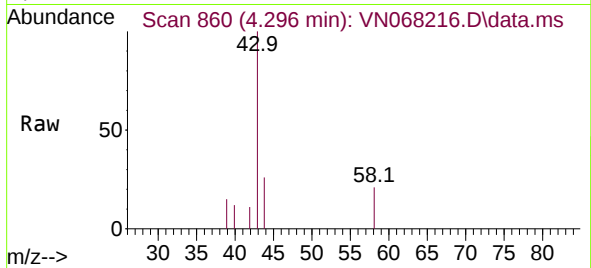




#16
Acetone
Concen: 1.586 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN068216.D
Acq: 19 Aug 2021 14:59

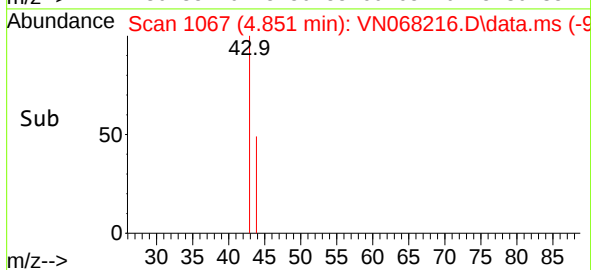
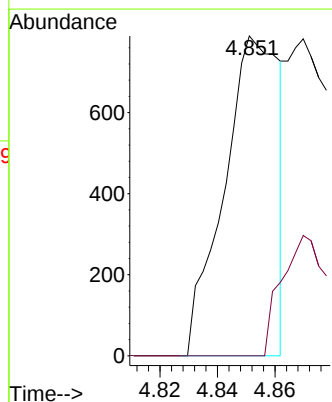
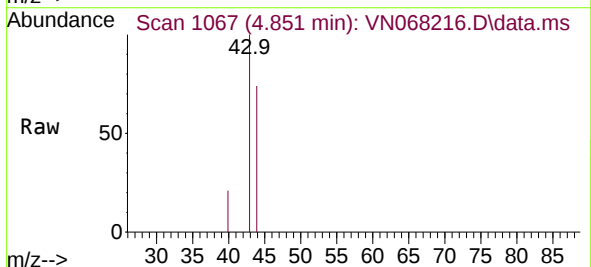
Instrument :
MSVOA_N
ClientSampled :

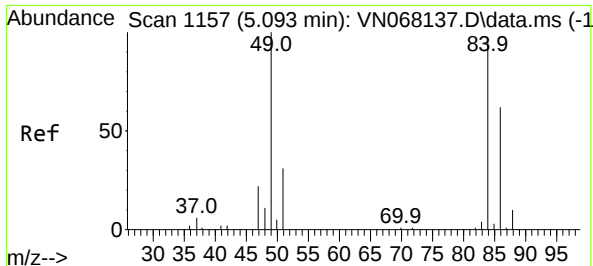
Tgt Ion: 43 Resp: 2208
Ion Ratio Lower Upper
43 100
58 21.0 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.851 min Scan# 1067
Delta R.T. -0.003 min
Lab File: VN068216.D
Acq: 19 Aug 2021 14:59

Tgt Ion: 43 Resp: 1039
Ion Ratio Lower Upper
43 100
74 27.9 17.4 26.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.090 min Scan# 1156

Delta R.T. -0.003 min

Lab File: VN068216.D

Acq: 19 Aug 2021 14:59

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 84 Resp: 1442

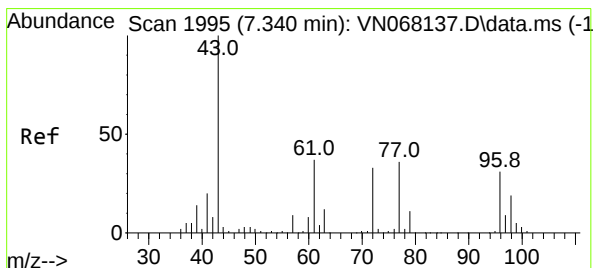
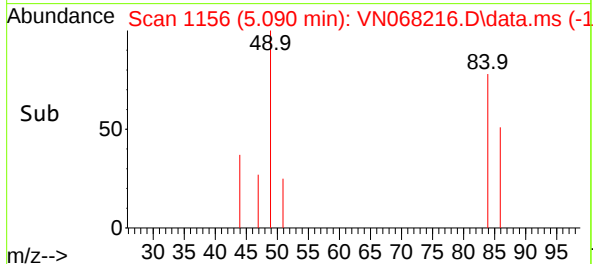
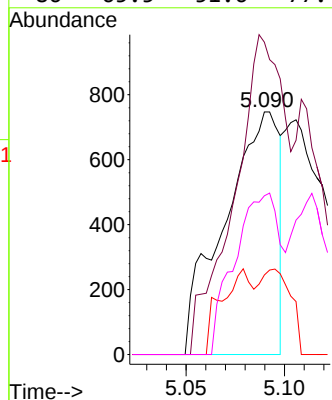
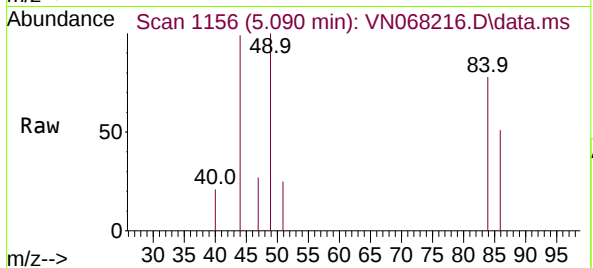
Ion Ratio Lower Upper

84 100

49 128.8 110.9 166.3

51 32.8 32.6 49.0

86 65.5 51.6 77.4



#25

2-Butanone

Concen: 0.444 ug/l

RT: 7.343 min Scan# 1996

Delta R.T. 0.003 min

Lab File: VN068216.D

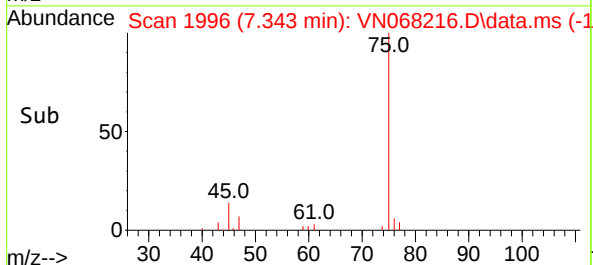
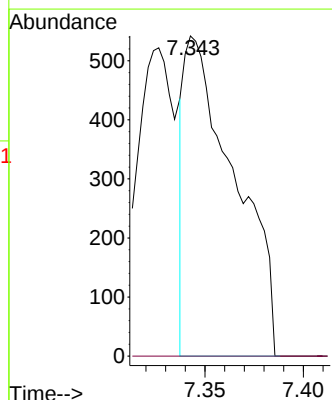
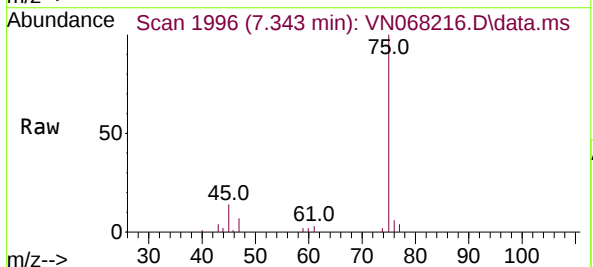
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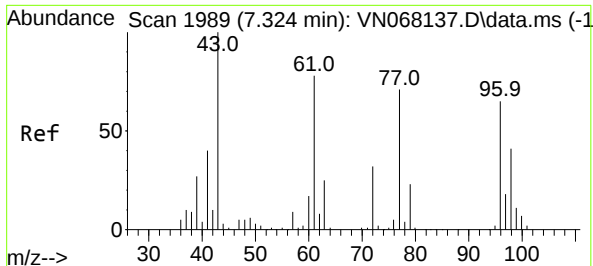
Tgt Ion: 43 Resp: 963

Ion Ratio Lower Upper

43 100

72 0.0 19.7 29.5#





#26

2,2-Dichloropropane

Concen: 0.253 ug/l

RT: 7.321 min Scan# 1988

Delta R.T. -0.003 min

Lab File: VN068216.D

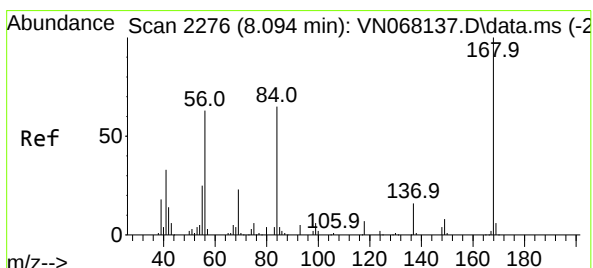
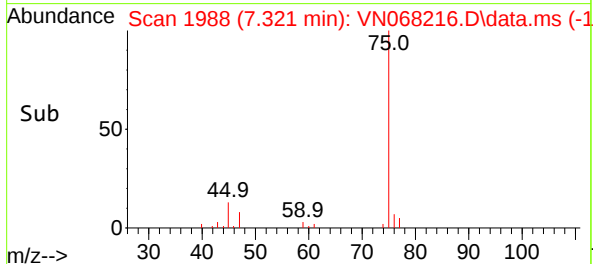
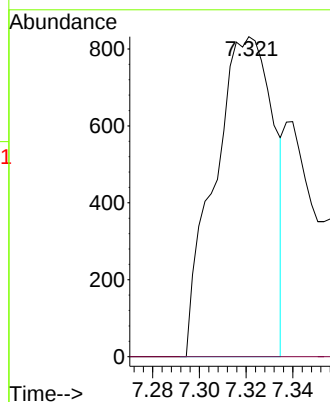
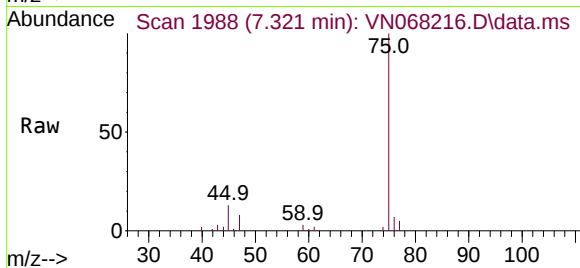
Acq: 19 Aug 2021 14:59

Tgt Ion: 77 Resp: 1464

Ion Ratio Lower Upper

77 100

97 0.0 9.8 29.3#



#31

Cyclohexane

Concen: 1.218 ug/l

RT: 8.083 min Scan# 2272

Delta R.T. -0.011 min

Lab File: VN068216.D

Acq: 19 Aug 2021 14:59

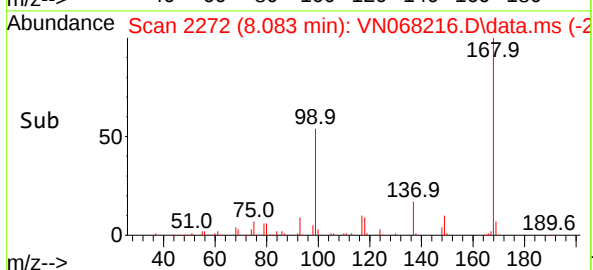
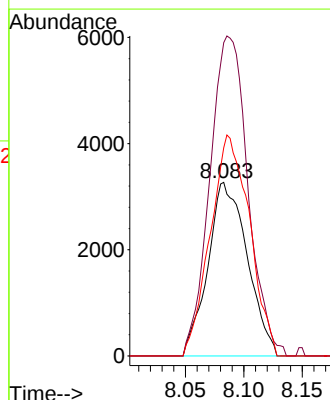
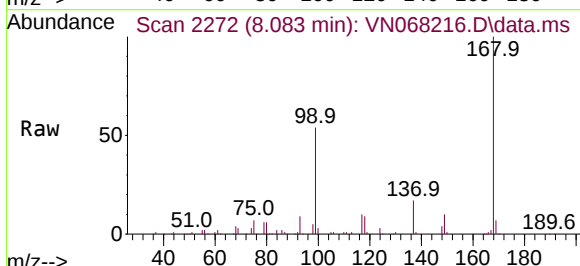
Tgt Ion: 56 Resp: 7649

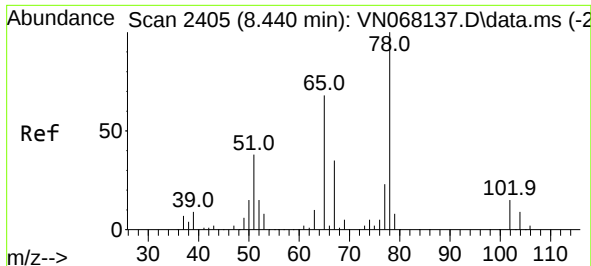
Ion Ratio Lower Upper

56 100

69 180.4 27.3 40.9#

84 119.9 64.9 97.3#

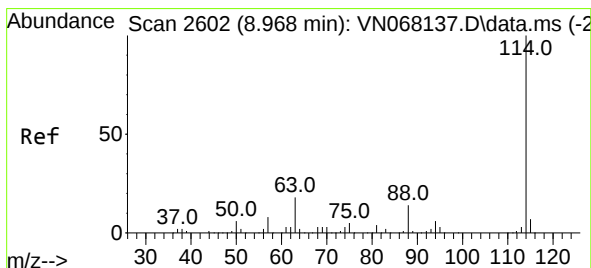
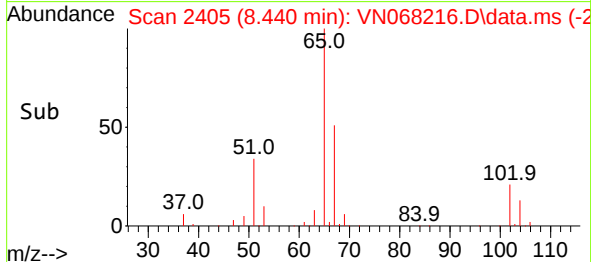
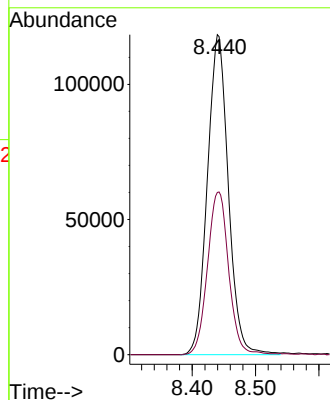
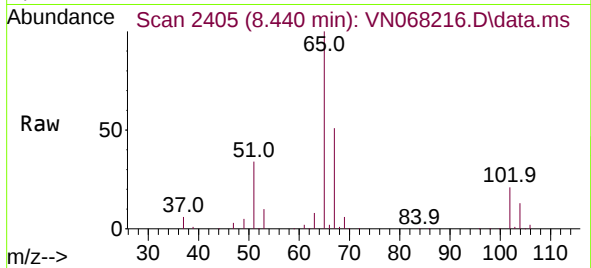




#33
 1,2-Dichloroethane-d4
 Concen: 57.009 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068216.D
 Acq: 19 Aug 2021 14:59

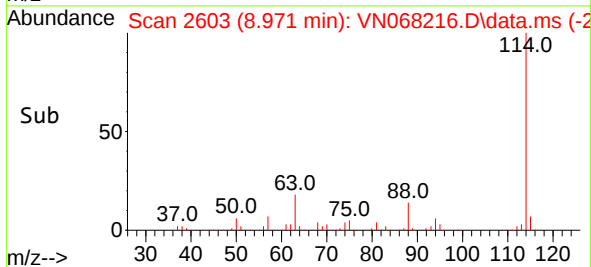
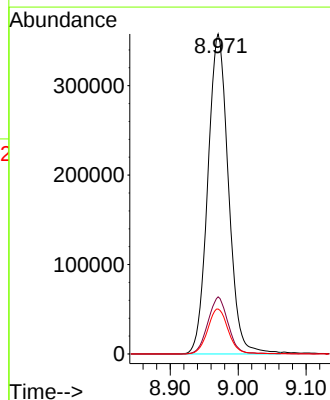
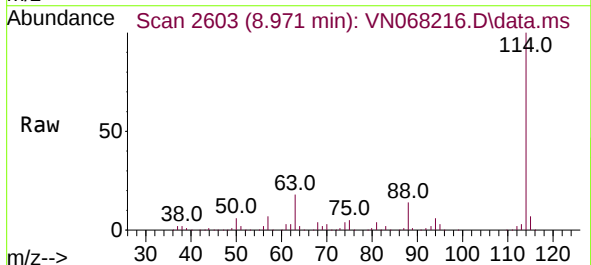
Instrument :
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 ClientSampled :

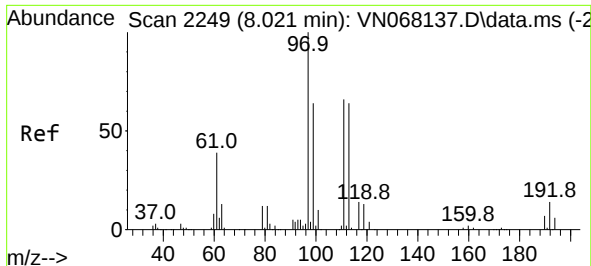
Tgt Ion: 65 Resp: 271749
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068216.D
 Acq: 19 Aug 2021 14:59

Tgt Ion: 114 Resp: 752838
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 49.0
 88 14.0 0.0 36.6

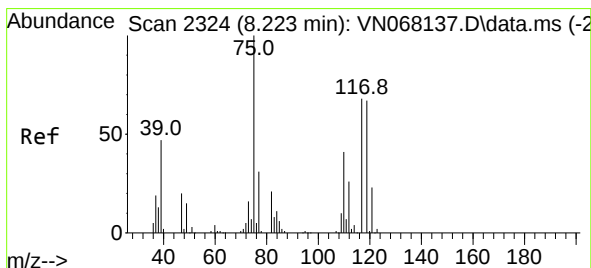
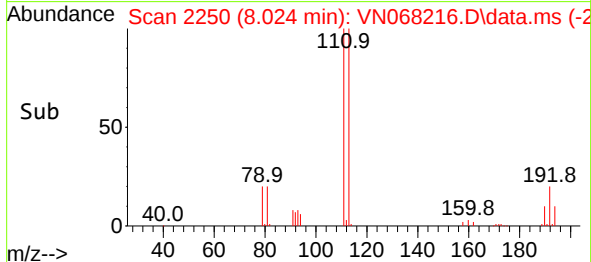
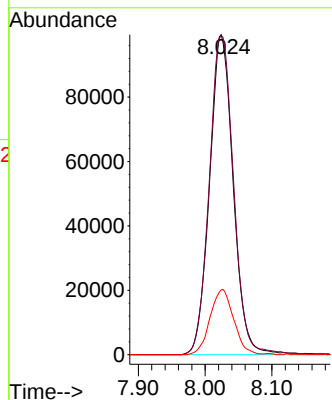
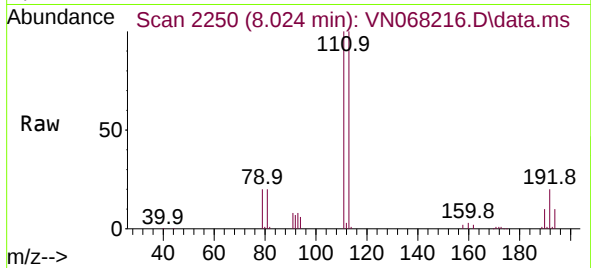




#35
Dibromofluoromethane
Concen: 51.604 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068216.D
Acq: 19 Aug 2021 14:59

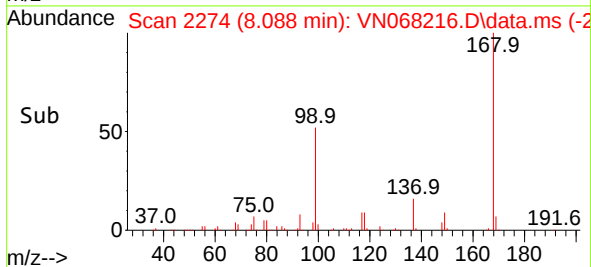
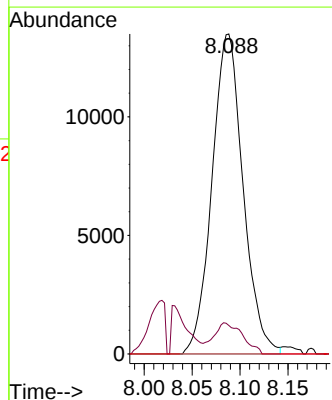
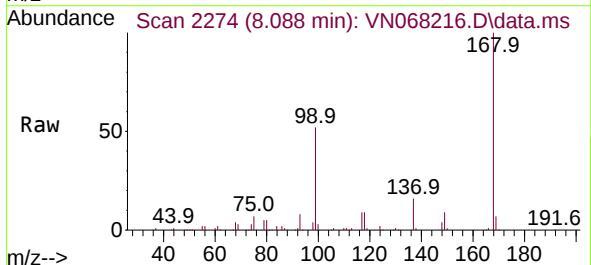
Instrument :
MSVOA_N
ClientSampled :

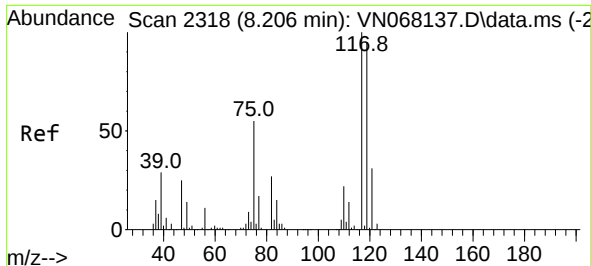
Tgt Ion:113 Resp: 243905
Ion Ratio Lower Upper
113 100
111 103.2 83.8 125.8
192 20.4 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.939 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068216.D
Acq: 19 Aug 2021 14:59

Tgt Ion: 75 Resp: 30393
Ion Ratio Lower Upper
75 100
110 8.8 15.7 47.0#
77 0.0 24.6 37.0#

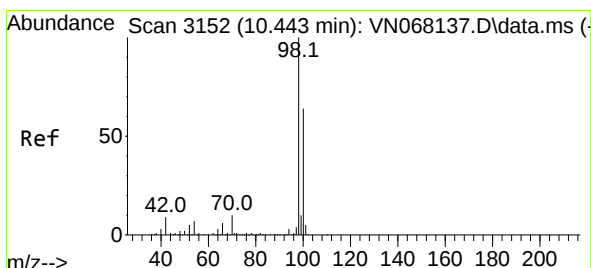
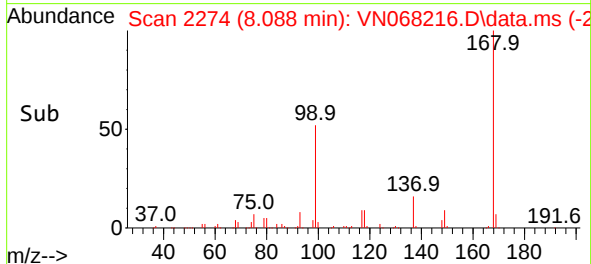
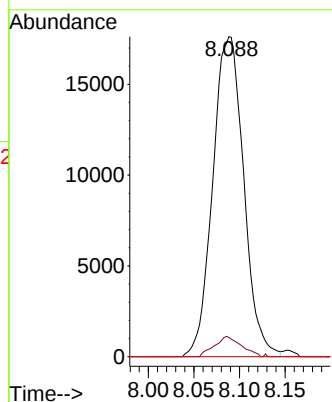
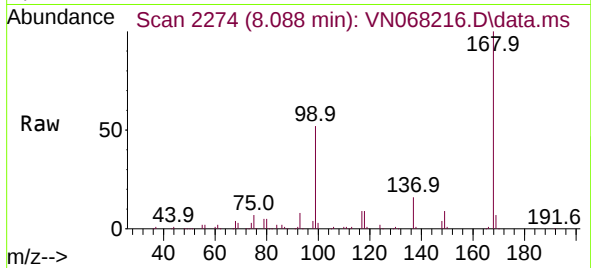




#38
Carbon Tetrachloride
Concen: 5.854 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068216.D
Acq: 19 Aug 2021 14:59

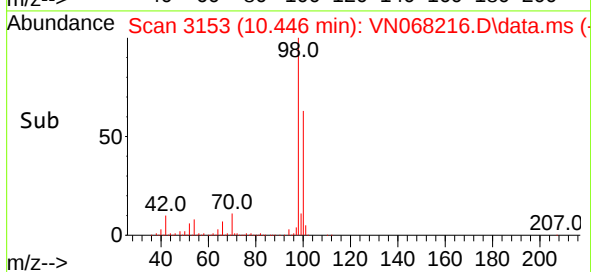
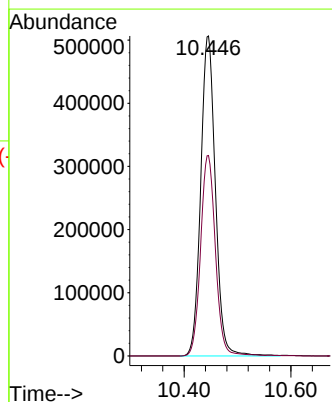
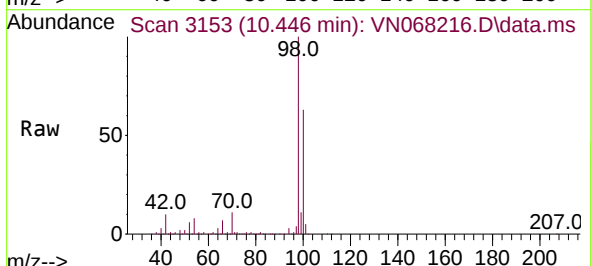
Instrument :
MSVOA_N
ClientSampled :

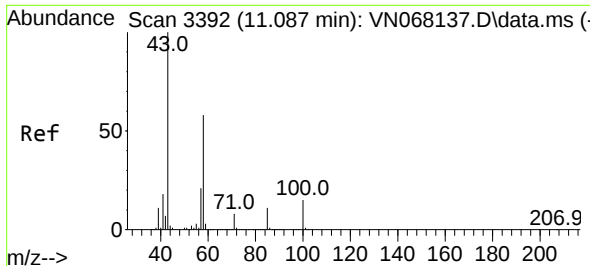
Tgt Ion:117 Resp: 41551
Ion Ratio Lower Upper
117 100
119 6.0 75.4 113.2#
121 0.0 23.5 35.3#



#50
Toluene-d8
Concen: 53.616 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068216.D
Acq: 19 Aug 2021 14:59

Tgt Ion: 98 Resp: 965604
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5

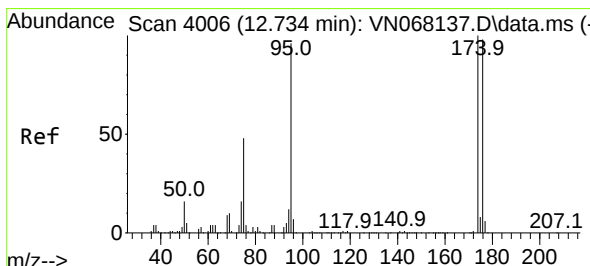
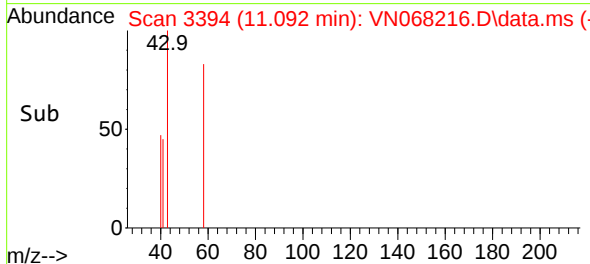
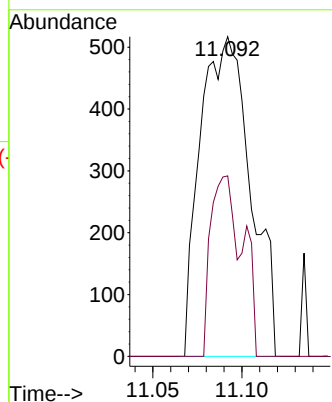
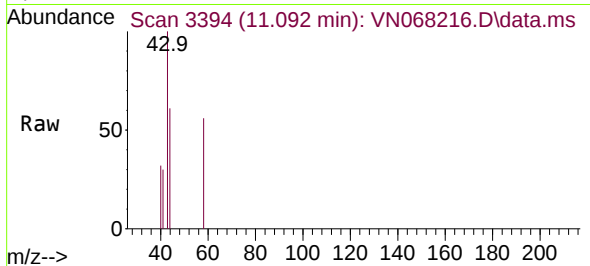




#59
2-Hexanone
Concen: 0.284 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068216.D
Acq: 19 Aug 2021 14:59

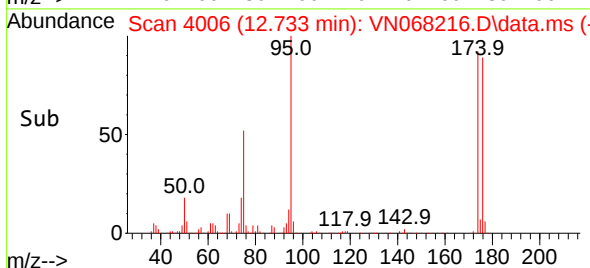
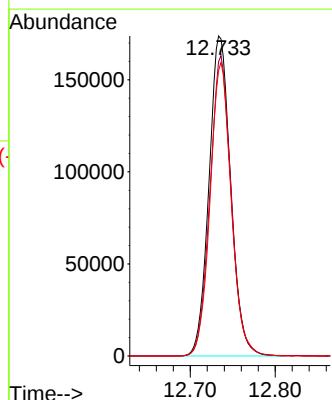
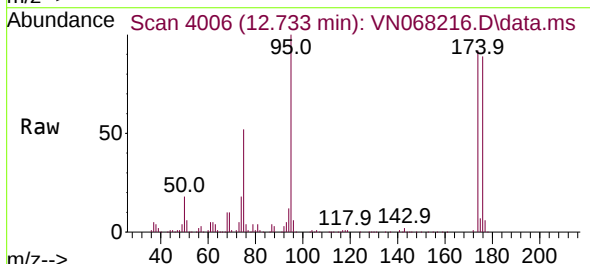
Instrument :
MSVOA_N
ClientSampled :

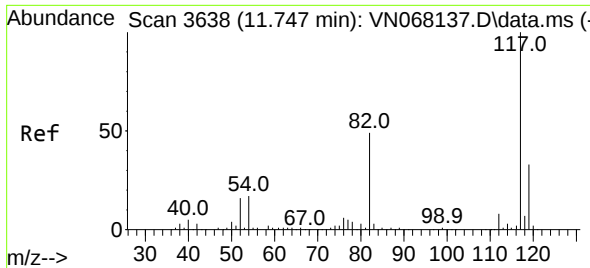
Tgt Ion: 43 Resp: 1017
Ion Ratio Lower Upper
43 100
58 26.5 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 51.417 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068216.D
Acq: 19 Aug 2021 14:59

Tgt Ion: 95 Resp: 308265
Ion Ratio Lower Upper
95 100
174 92.2 0.0 122.0
176 89.2 0.0 117.6

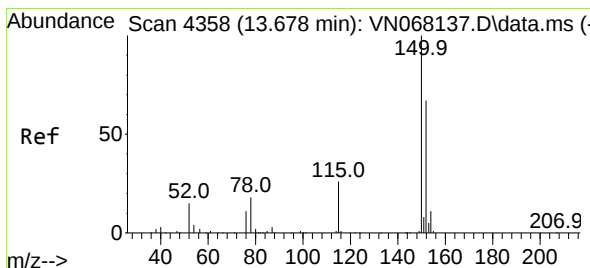
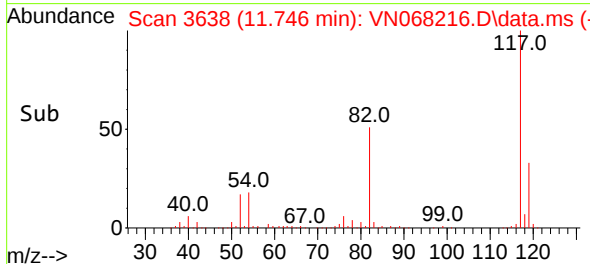
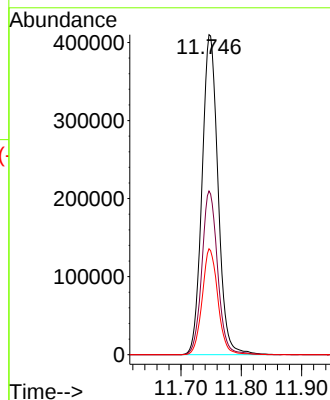
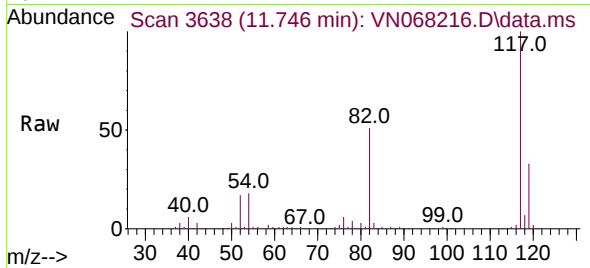




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068216.D
Acq: 19 Aug 2021 14:59

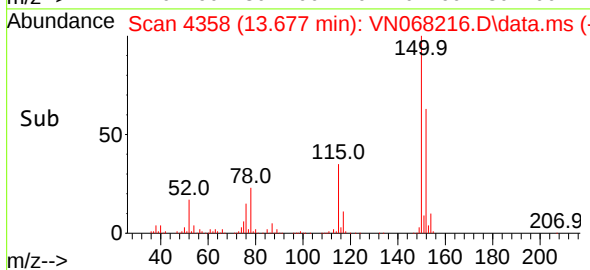
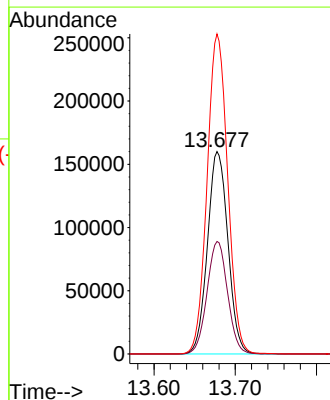
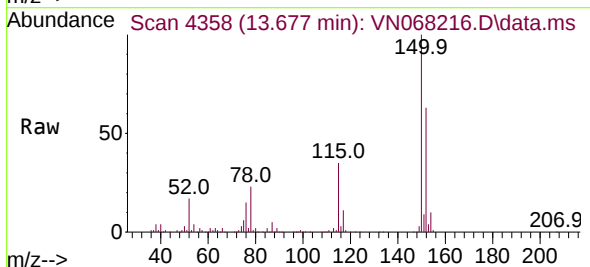
Instrument :
MSVOA_N
ClientSampleId :

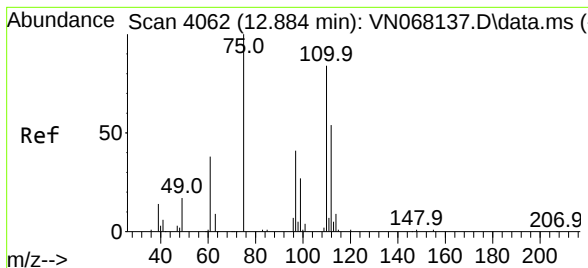
Tgt Ion:117 Resp: 755811
Ion Ratio Lower Upper
117 100
82 51.2 53.1 79.7#
119 33.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.001 min
Lab File: VN068216.D
Acq: 19 Aug 2021 14:59

Tgt Ion:152 Resp: 280232
Ion Ratio Lower Upper
152 100
115 55.6 36.1 108.5
150 158.8 0.0 351.8

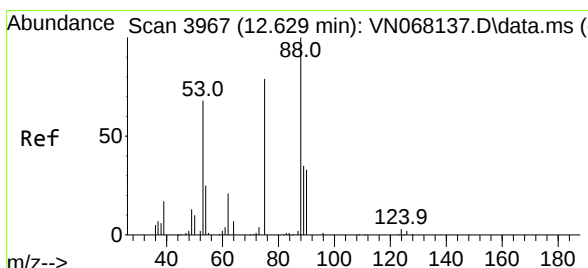
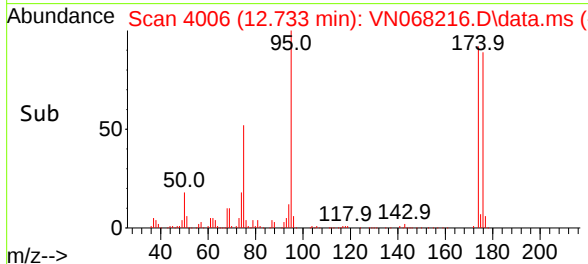
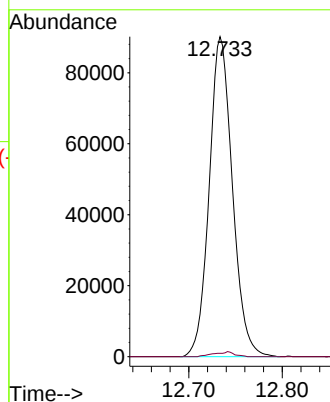
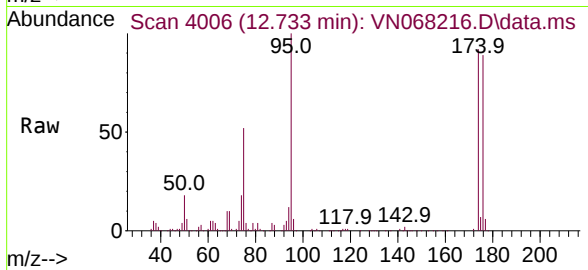




#76
1,2,3-Trichloropropane
Concen: 33.352 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068216.D
Acq: 19 Aug 2021 14:59

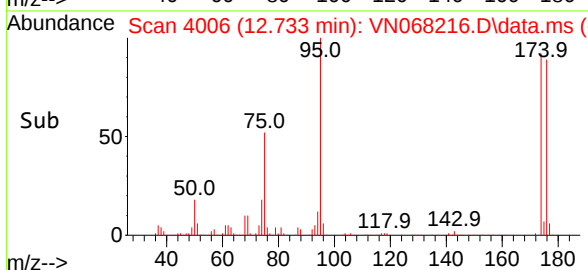
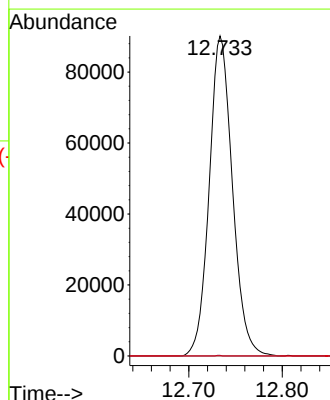
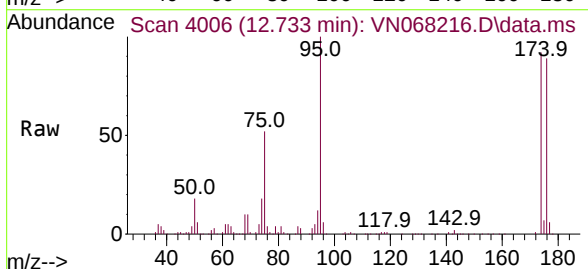
Instrument :
MSVOA_N
ClientSampled :

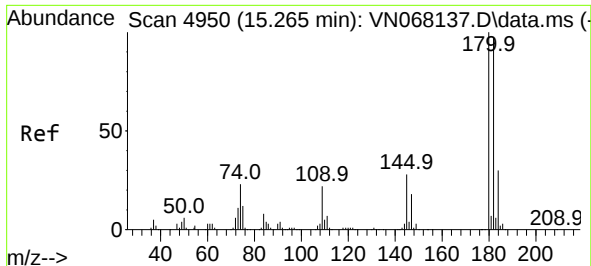
Tgt Ion: 75 Resp: 155347
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 109.268 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068216.D
Acq: 19 Aug 2021 14:59

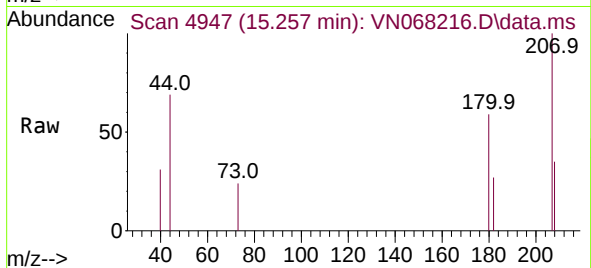
Tgt Ion: 75 Resp: 155347
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



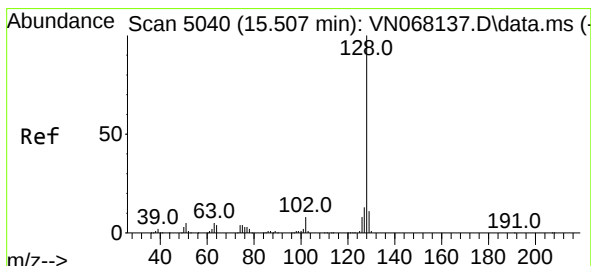
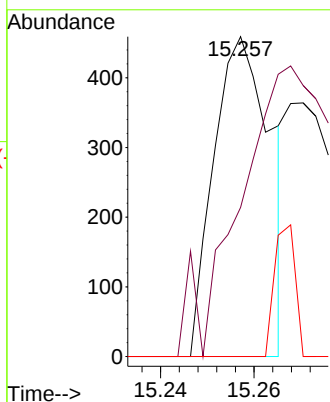
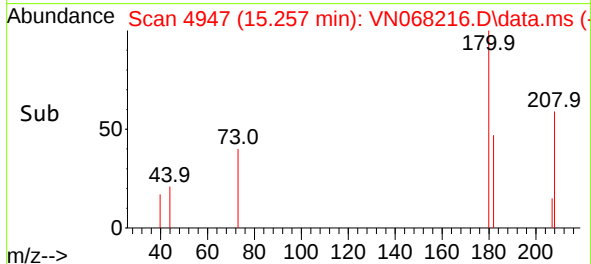


#93
1,2,4-Trichlorobenzene
Concen: 2.763 ug/l
RT: 15.257 min Scan# 4947
Delta R.T. -0.008 min
Lab File: VN068216.D
Acq: 19 Aug 2021 14:59

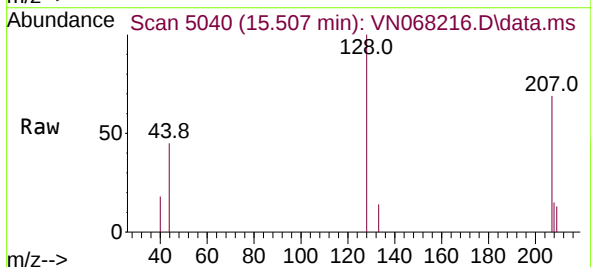
Instrument :
MSVOA_N
ClientSampled :



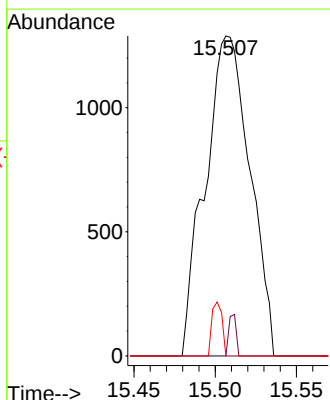
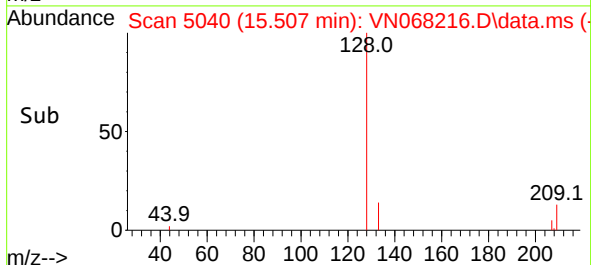
Tgt Ion:180 Resp: 387
Ion Ratio Lower Upper
180 100
182 143.9 47.5 142.5#
145 15.0 17.2 51.6#

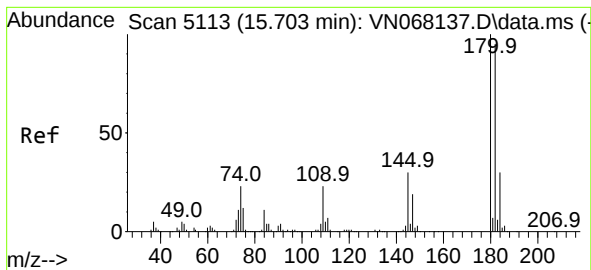


#95
Naphthalene
Concen: 3.554 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068216.D
Acq: 19 Aug 2021 14:59



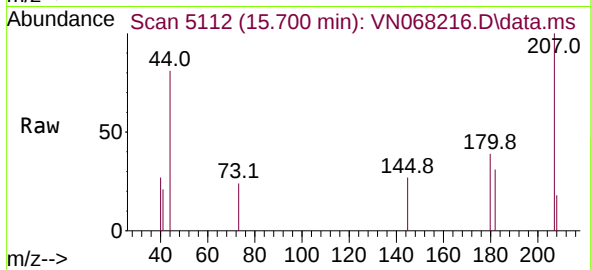
Tgt Ion:128 Resp: 2472
Ion Ratio Lower Upper
128 100
127 2.1 10.6 15.8#
129 3.8 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.906 ug/l
 RT: 15.700 min Scan# 5112
 Delta R.T. -0.003 min
 Lab File: VN068216.D
 Acq: 19 Aug 2021 14:59

Instrument :
 MSVOA_N
 ClientSampled :



Tgt Ion:	180	Resp:	353
Ion	Ratio	Lower	Upper
180	100		
182	61.5	47.8	143.3
145	36.0	18.2	54.6

