

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081821\
 Data File : VN068199.D
 Acq On : 18 Aug 2021 17:39
 Operator : JC/MD
 Sample : M3435-37
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

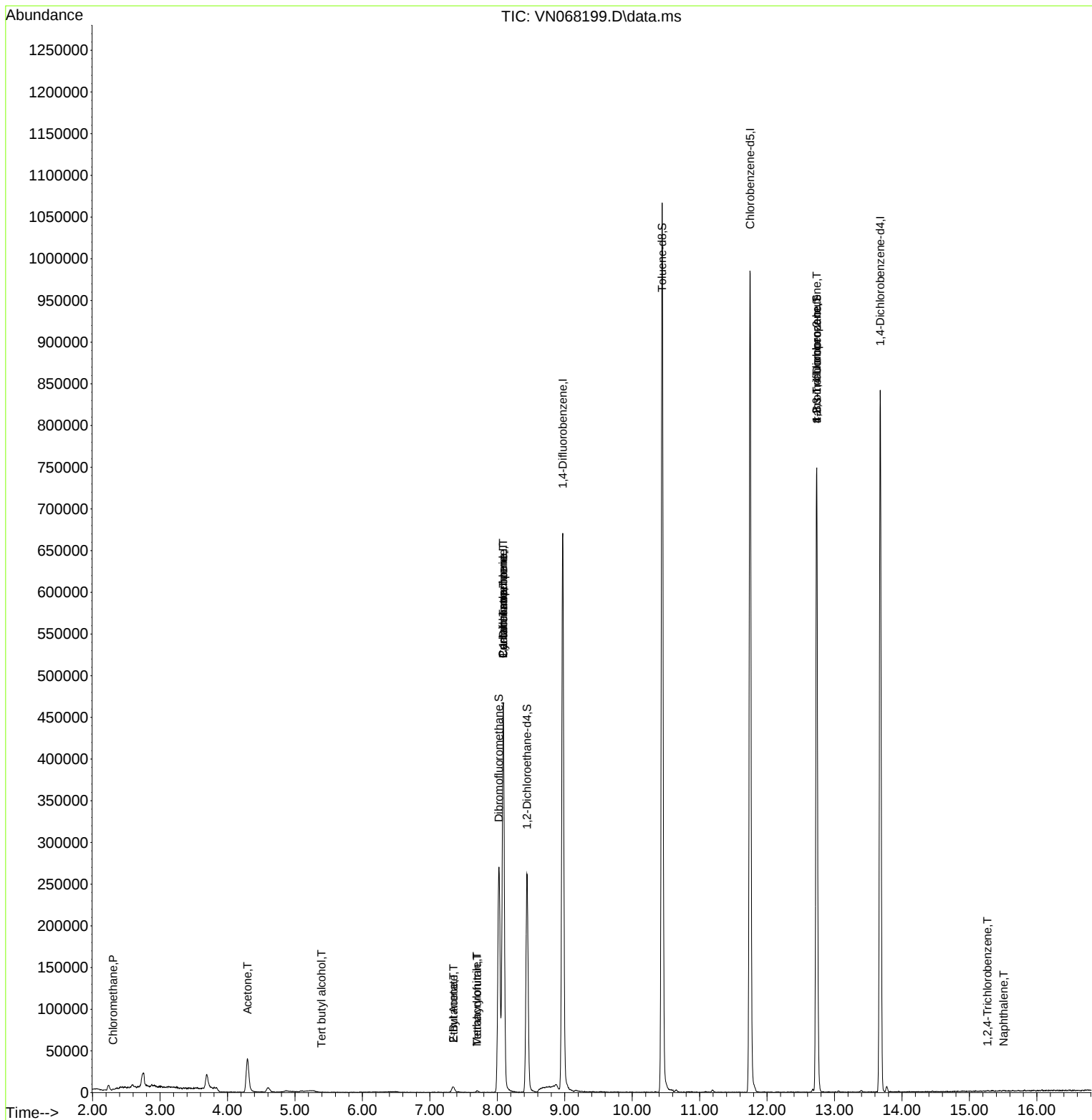
Quant Time: Aug 19 03:07:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

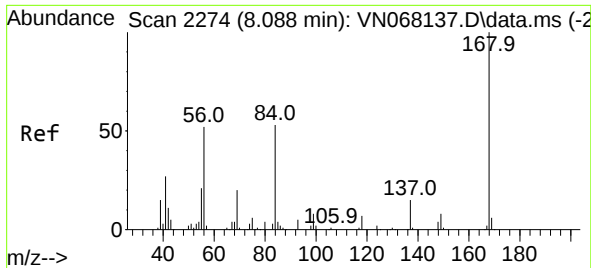
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	385846	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	638163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	647619	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	247030	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	220591	53.544	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 107.080%		
35) Dibromofluoromethane	8.024	113	201467	50.284	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 100.560%		
50) Toluene-d8	10.443	98	783414	51.316	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 102.640%		
62) 4-Bromofluorobenzene	12.736	95	258948	50.953	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 101.900%		
Target Compounds						
						Qvalue
3) Chloromethane	2.303	50	834	0.241	ug/l	90
5) Bromomethane	2.832	94	113	Below Cal	#	4
6) Chloroethane	2.837	64	58	Below Cal	#	44
11) Tert butyl alcohol	5.393	59	211	0.411	ug/l	# 71
13) Acrolein	4.052	56	182	Below Cal	#	50
16) Acetone	4.296	43	74318	61.785	ug/l	94
18) Methyl Acetate	4.870	43	3053	Below Cal	#	65
20) Methylene Chloride	5.082	84	303	Below Cal	#	26
25) 2-Butanone	7.351	43	8911	4.754	ug/l	# 79
29) Tetrahydrofuran	7.700	42	810	0.676	ug/l	# 90
31) Cyclohexane	8.088	56	6735	1.241	ug/l	# 1
36) 1,1-Dichloropropene	8.088	75	25105	4.812	ug/l	# 54
37) Ethyl Acetate	7.351	43	8911	2.005	ug/l	# 69
38) Carbon Tetrachloride	8.088	117	36556	6.076	ug/l	# 17
41) Methacrylonitrile	7.697	41	475	0.234	ug/l	# 32
76) 1,2,3-Trichloropropane	12.736	75	132893	32.366	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.736	75	132893	106.038	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.268	180	84	2.704	ug/l	# 38
95) Naphthalene	15.507	128	891	3.430	ug/l	# 69

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

Quant Time: Aug 19 03:07:45 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

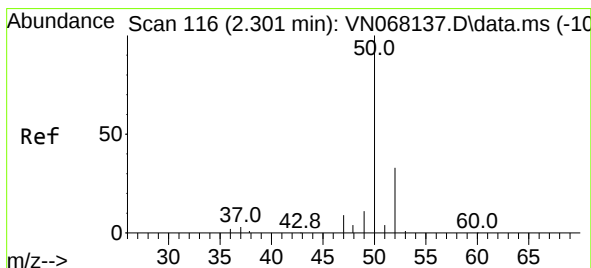
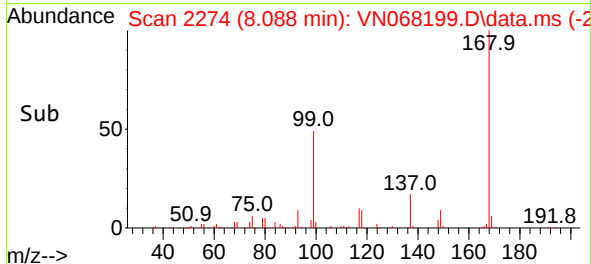
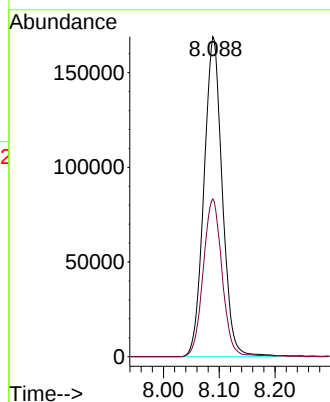
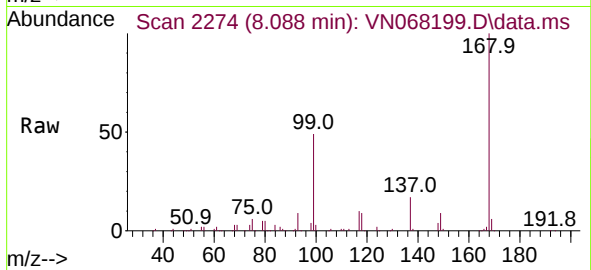




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068199.D
Acq: 18 Aug 2021 17:39

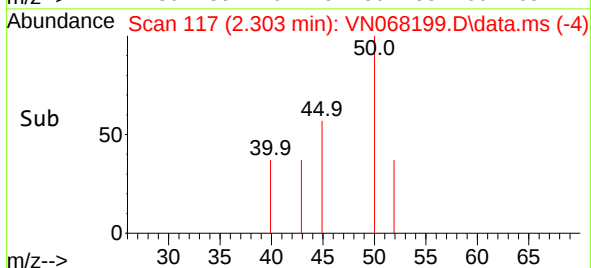
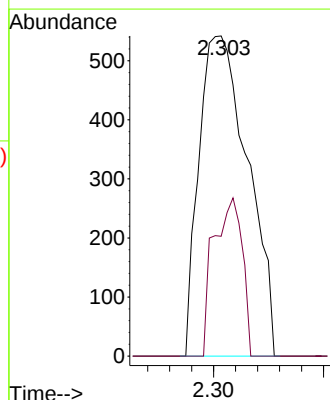
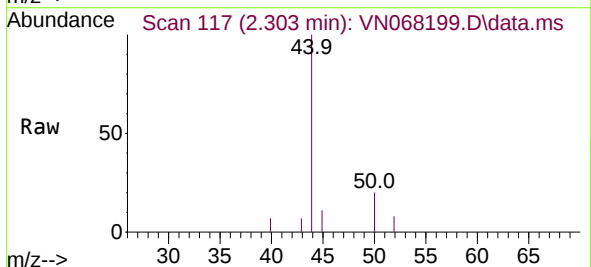
Instrument :
MSVOA_N
ClientSampleId :

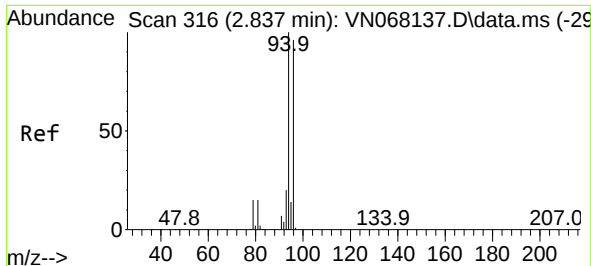
Tgt Ion:168 Resp: 385846
Ion Ratio Lower Upper
168 100
99 49.3 62.9 94.3#



#3
Chloromethane
Concen: 0.241 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.002 min
Lab File: VN068199.D
Acq: 18 Aug 2021 17:39

Tgt Ion: 50 Resp: 834
Ion Ratio Lower Upper
50 100
52 37.5 25.6 38.4

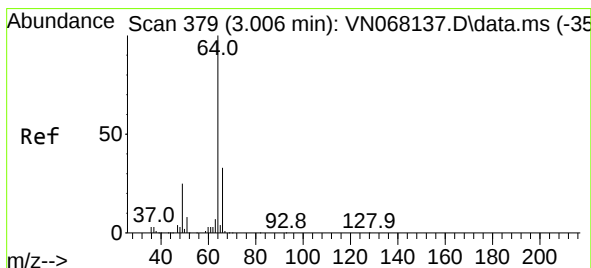
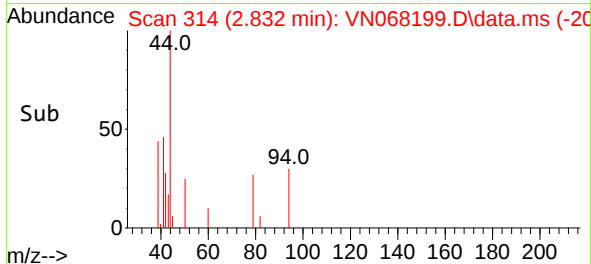
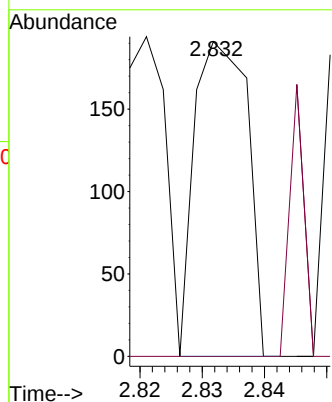
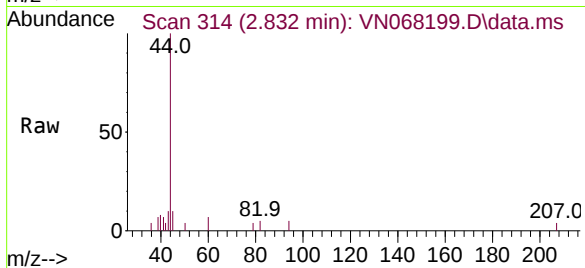




#5
Bromomethane
Concen: Below Cal
RT: 2.832 min Scan# 314
Delta R.T. -0.005 min
Lab File: VN068199.D
Acq: 18 Aug 2021 17:39

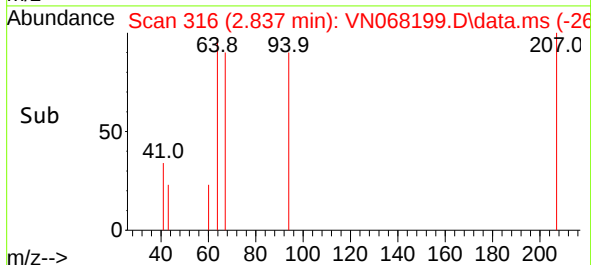
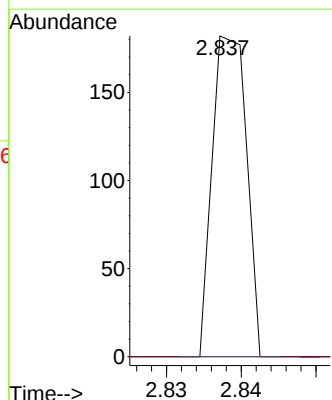
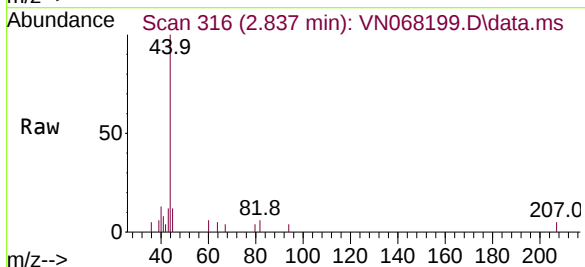
Instrument :
MSVOA_N
ClientSampleId :

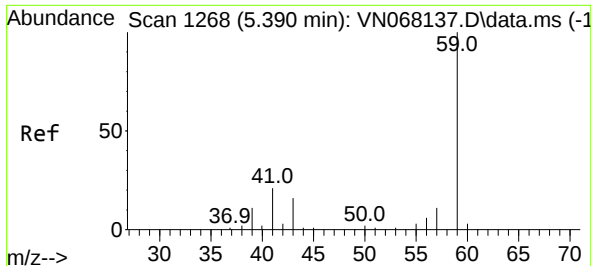
Tgt Ion: 94 Resp: 113
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 2.837 min Scan# 316
Delta R.T. -0.169 min
Lab File: VN068199.D
Acq: 18 Aug 2021 17:39

Tgt Ion: 64 Resp: 58
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

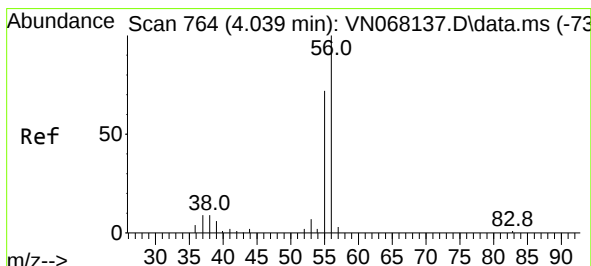
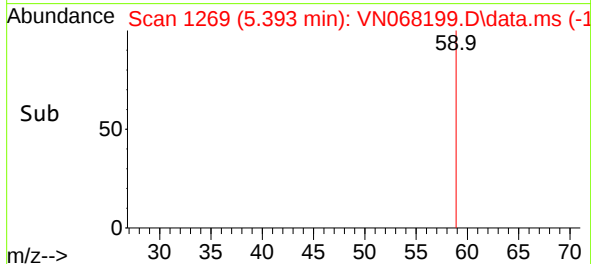
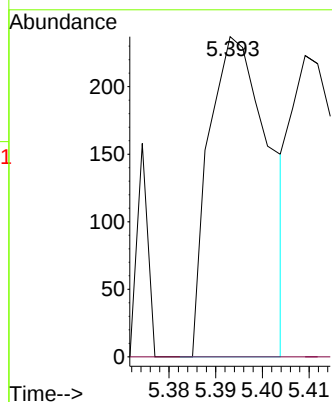
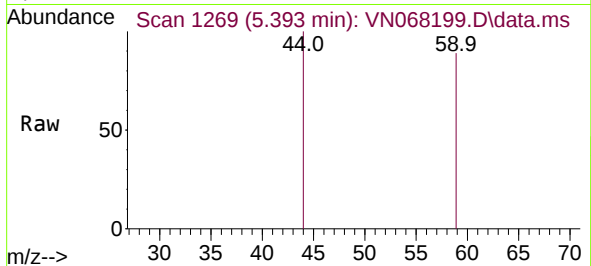




#11
Tert butyl alcohol
Concen: 0.411 ug/l
RT: 5.393 min Scan# 1269
Delta R.T. 0.003 min
Lab File: VN068199.D
Acq: 18 Aug 2021 17:39

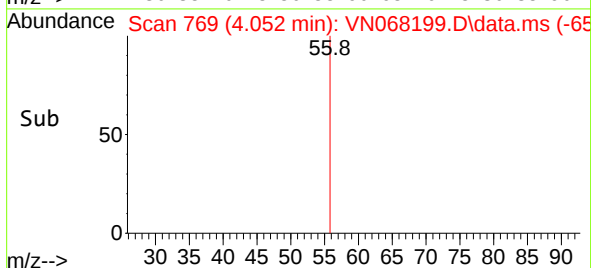
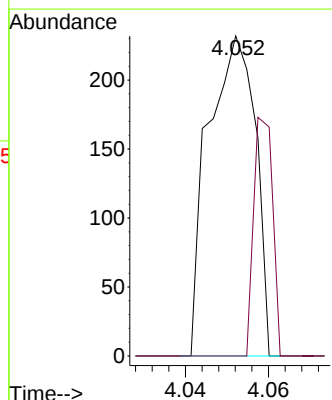
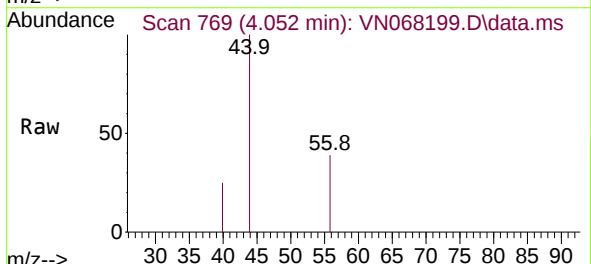
Instrument :
MSVOA_N
ClientSampled :

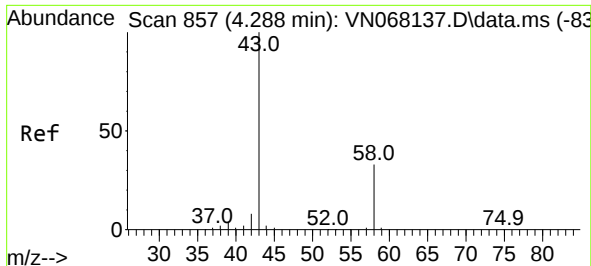
Tgt Ion: 59 Resp: 211
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#13
Acrolein
Concen: Below Cal
RT: 4.052 min Scan# 769
Delta R.T. 0.013 min
Lab File: VN068199.D
Acq: 18 Aug 2021 17:39

Tgt Ion: 56 Resp: 182
Ion Ratio Lower Upper
56 100
55 30.2 57.4 86.0#

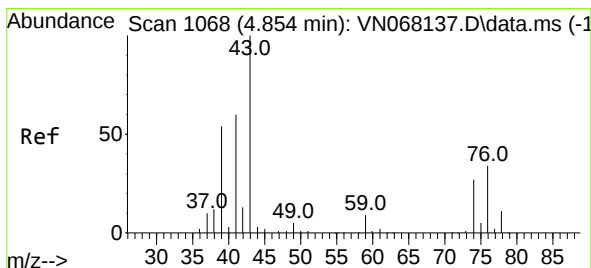
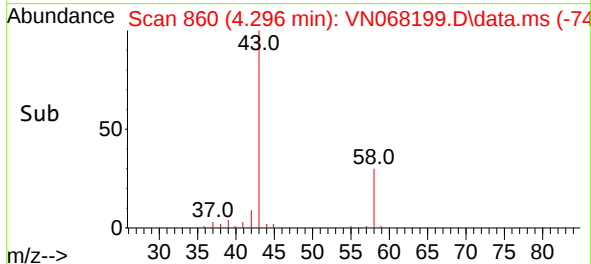
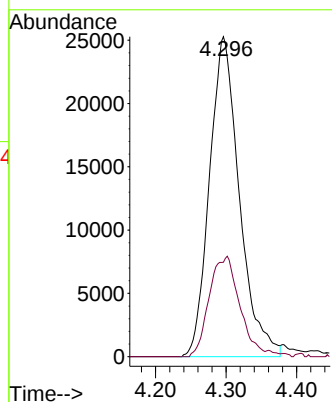
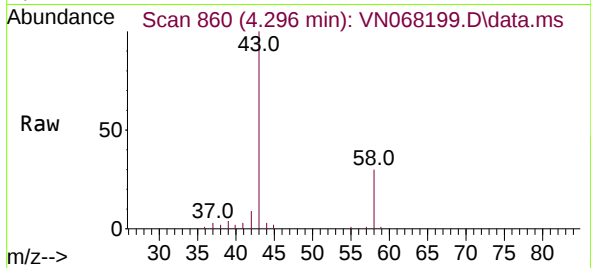




#16
Acetone
Concen: 61.785 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN068199.D
Acq: 18 Aug 2021 17:39

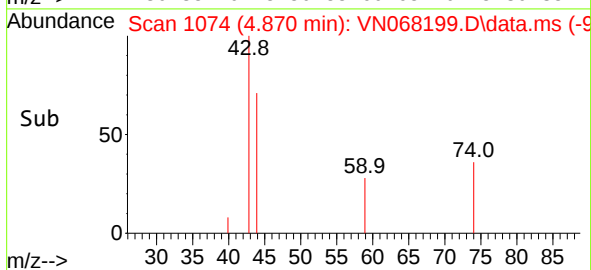
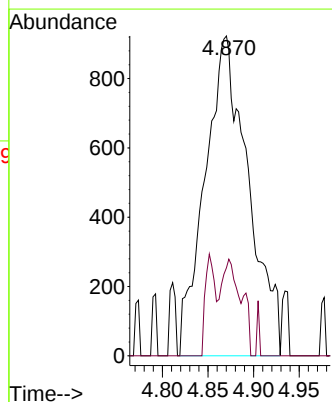
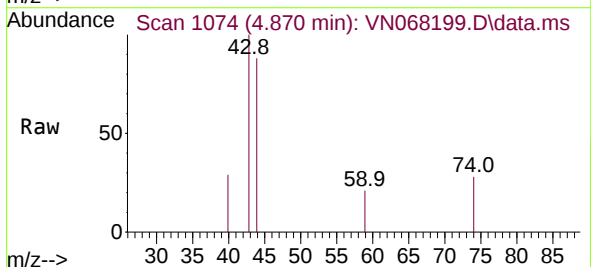
Instrument :
MSVOA_N
ClientSampled :

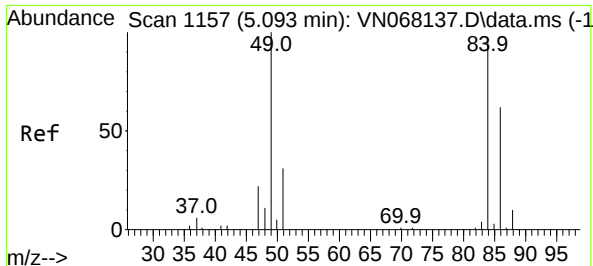
Tgt Ion: 43 Resp: 74318
Ion Ratio Lower Upper
43 100
58 29.5 21.2 31.8



#18
Methyl Acetate
Concen: Below Cal
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN068199.D
Acq: 18 Aug 2021 17:39

Tgt Ion: 43 Resp: 3053
Ion Ratio Lower Upper
43 100
74 5.2 17.4 26.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.082 min Scan# 1153

Delta R.T. -0.011 min

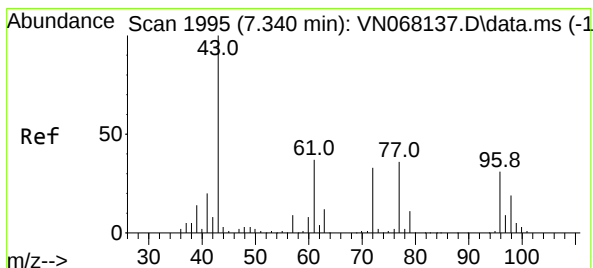
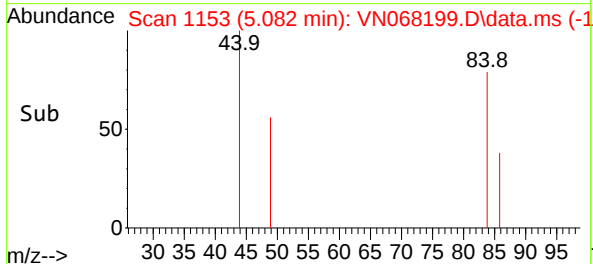
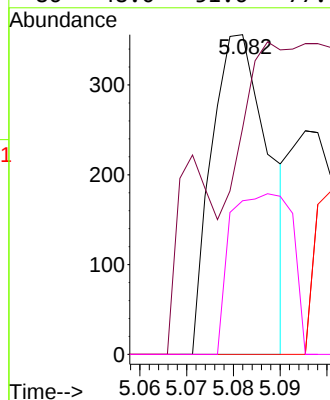
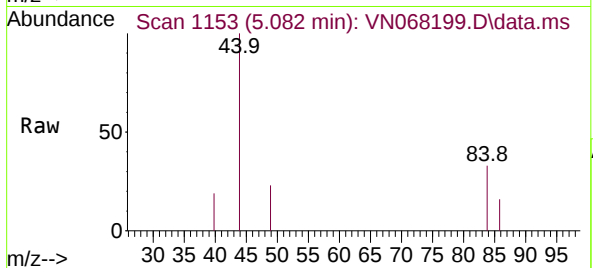
Lab File: VN068199.D

Acq: 18 Aug 2021 17:39

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 84 Resp: 303

Ion	Ratio	Lower	Upper
84	100		
49	15.7	110.9	166.3#
51	0.0	32.6	49.0#
86	48.0	51.6	77.4#



#25

2-Butanone

Concen: 4.754 ug/l

RT: 7.351 min Scan# 1999

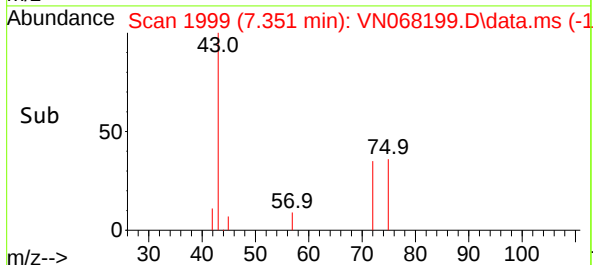
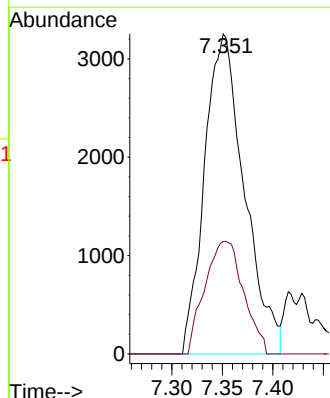
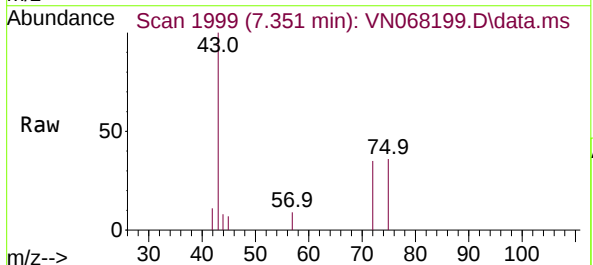
Delta R.T. 0.011 min

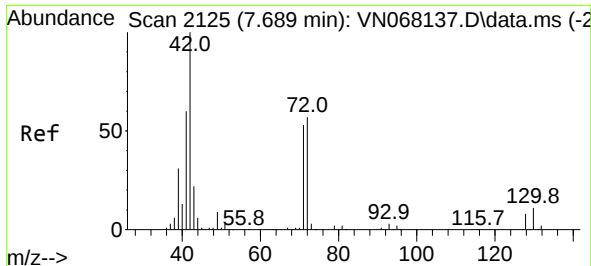
Lab File: VN068199.D

Acq: 18 Aug 2021 17:39

Tgt Ion: 43 Resp: 8911

Ion	Ratio	Lower	Upper
43	100		
72	35.1	19.7	29.5#





#29

Tetrahydrofuran

Concen: 0.676 ug/l

RT: 7.700 min Scan# 2129

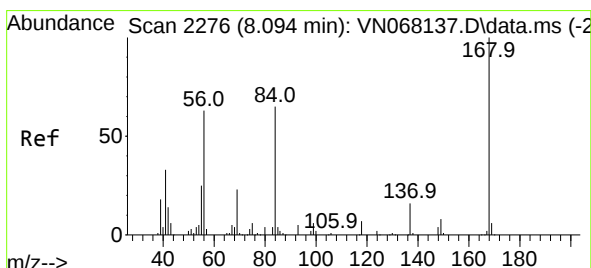
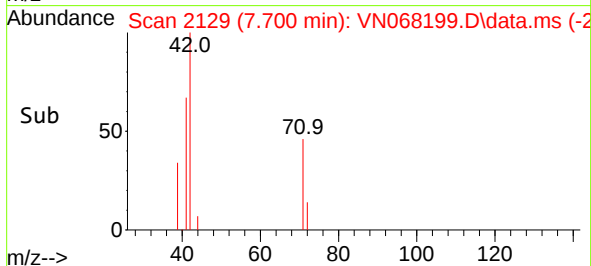
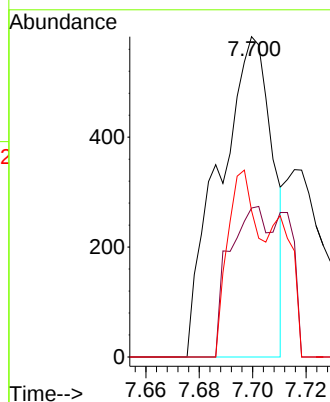
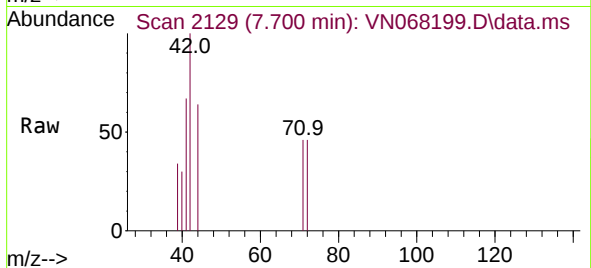
Delta R.T. 0.011 min

Lab File: VN068199.D

Acq: 18 Aug 2021 17:39

Tgt Ion:	42	Resp:	810
Ion	Ratio	Lower	Upper
42	100		
72	32.2	32.8	49.2#
71	34.9	31.2	46.8

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.241 ug/l

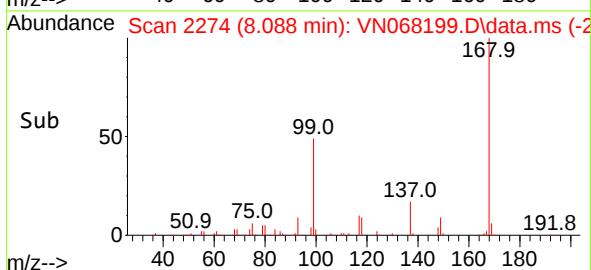
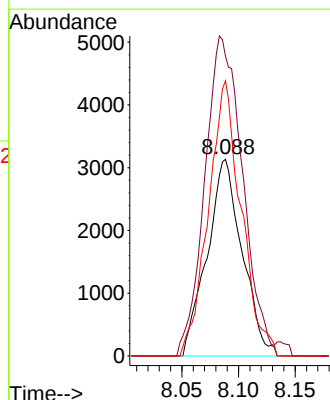
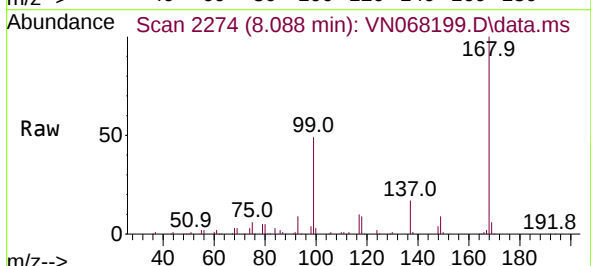
RT: 8.088 min Scan# 2274

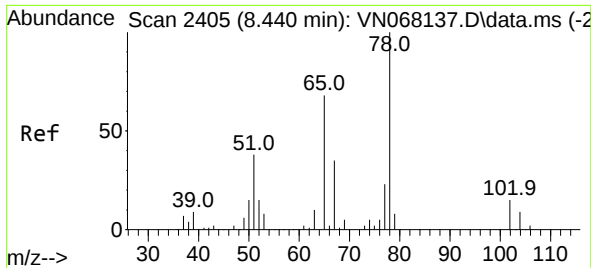
Delta R.T. -0.006 min

Lab File: VN068199.D

Acq: 18 Aug 2021 17:39

Tgt Ion:	56	Resp:	6735
Ion	Ratio	Lower	Upper
56	100		
69	145.8	27.3	40.9#
84	139.9	64.9	97.3#

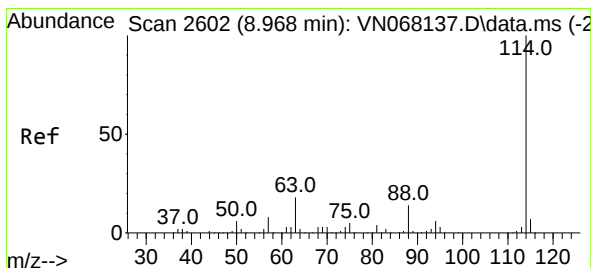
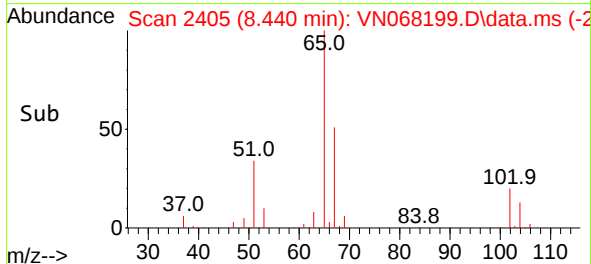
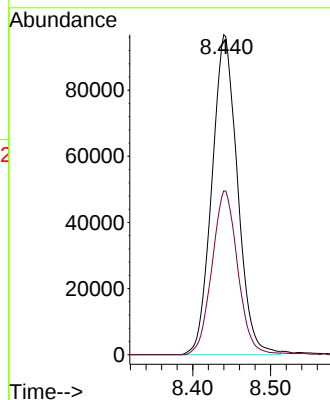
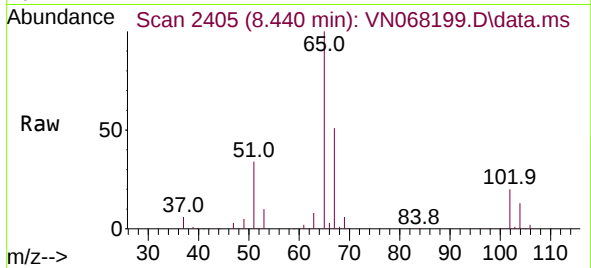




#33
 1,2-Dichloroethane-d4
 Concen: 53.544 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068199.D
 Acq: 18 Aug 2021 17:39

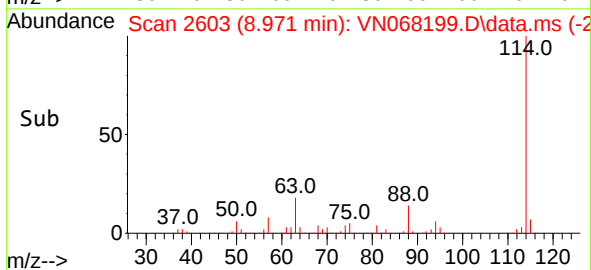
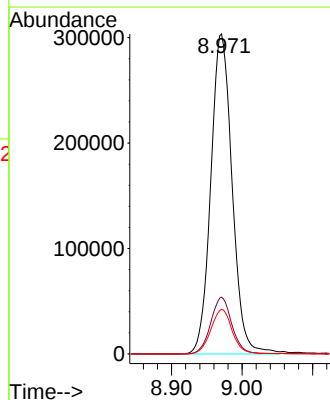
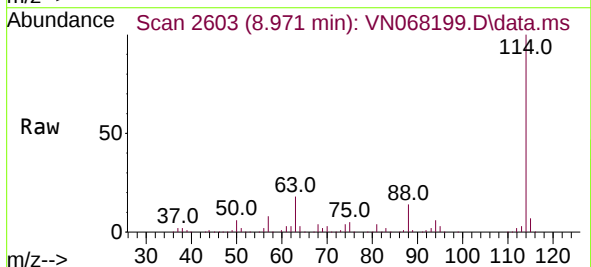
Instrument :
 MSVOA_N
 ClientSampled :

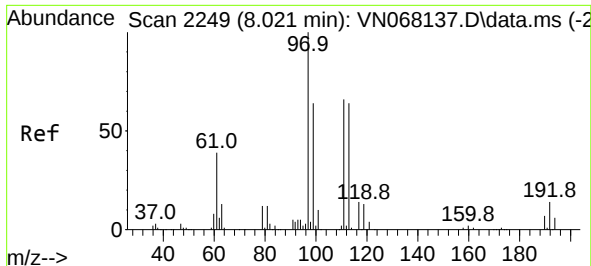
Tgt Ion: 65 Resp: 220591
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068199.D
 Acq: 18 Aug 2021 17:39

Tgt Ion: 114 Resp: 638163
 Ion Ratio Lower Upper
 114 100
 63 17.8 0.0 49.0
 88 13.9 0.0 36.6

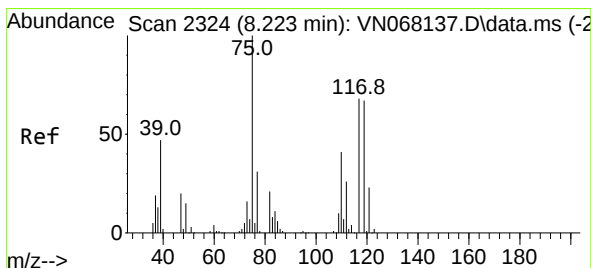
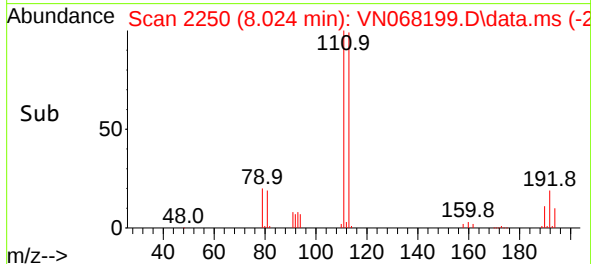
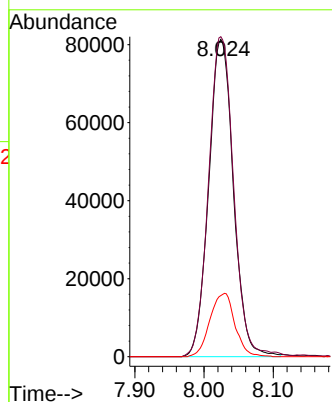
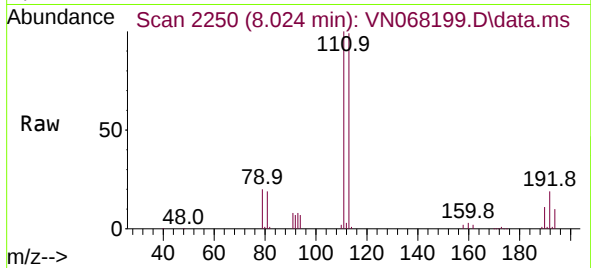




#35
Dibromofluoromethane
Concen: 50.284 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068199.D
Acq: 18 Aug 2021 17:39

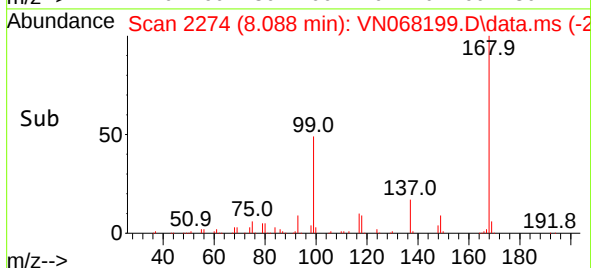
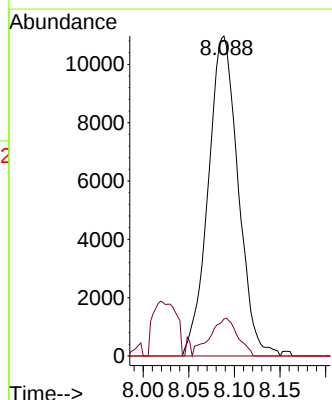
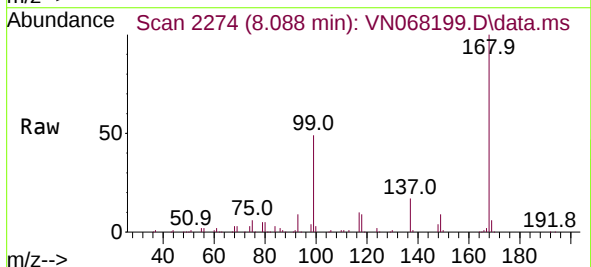
Instrument :
MSVOA_N
ClientSampled :

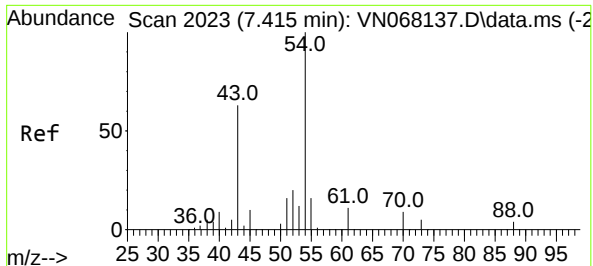
Tgt Ion:113 Resp: 201467
Ion Ratio Lower Upper
113 100
111 102.0 83.8 125.8
192 20.2 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.812 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068199.D
Acq: 18 Aug 2021 17:39

Tgt Ion: 75 Resp: 25105
Ion Ratio Lower Upper
75 100
110 10.9 15.7 47.0#
77 0.0 24.6 37.0#

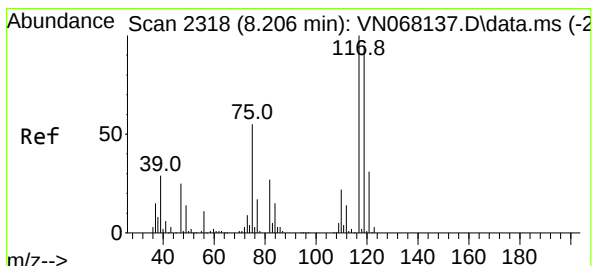
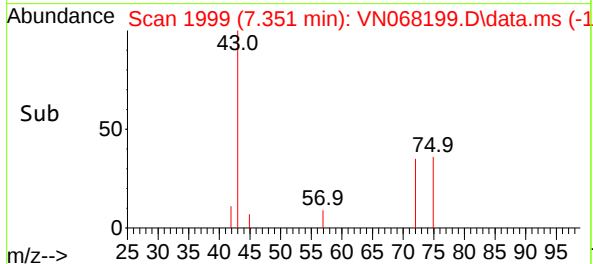
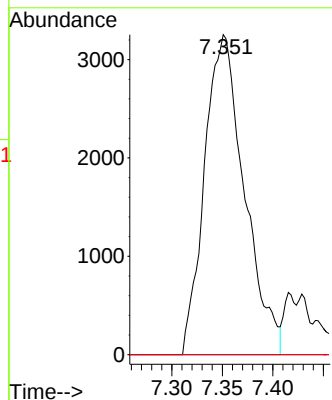
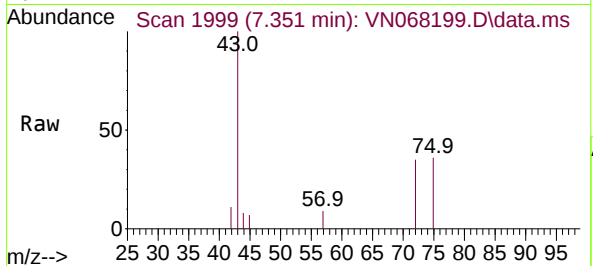




#37
Ethyl Acetate
Concen: 2.005 ug/l
RT: 7.351 min Scan# 1999
Delta R.T. -0.064 min
Lab File: VN068199.D
Acq: 18 Aug 2021 17:39

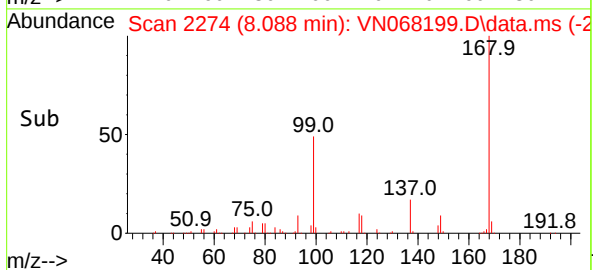
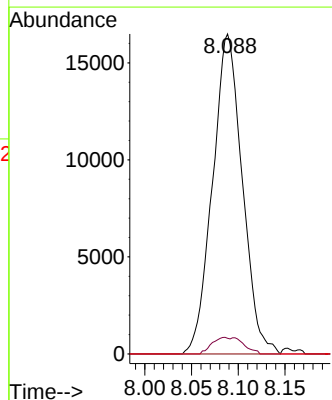
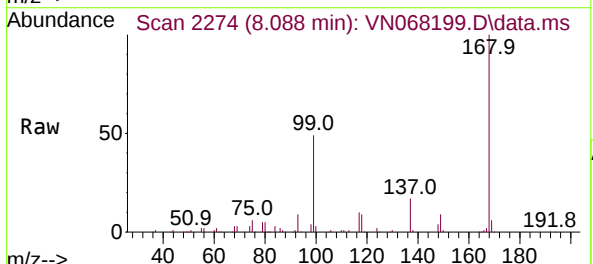
Instrument :
MSVOA_N
ClientSampled :

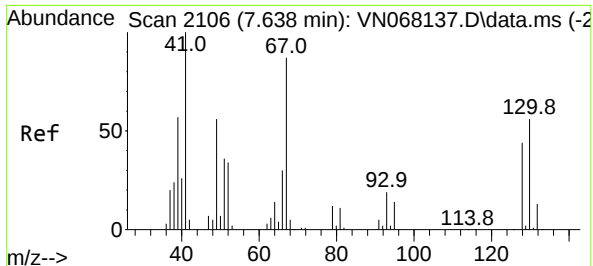
Tgt Ion: 43 Resp: 8911
Ion Ratio Lower Upper
43 100
61 0.0 10.6 16.0#
70 0.0 8.1 12.1#



#38
Carbon Tetrachloride
Concen: 6.076 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068199.D
Acq: 18 Aug 2021 17:39

Tgt Ion: 117 Resp: 36556
Ion Ratio Lower Upper
117 100
119 4.9 75.4 113.2#
121 0.0 23.5 35.3#

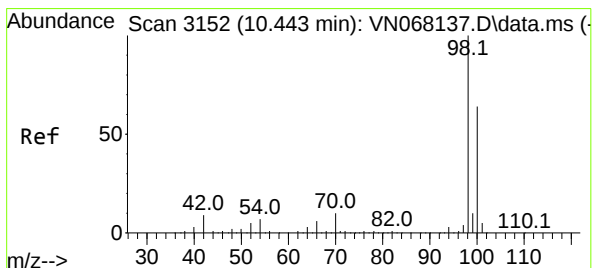
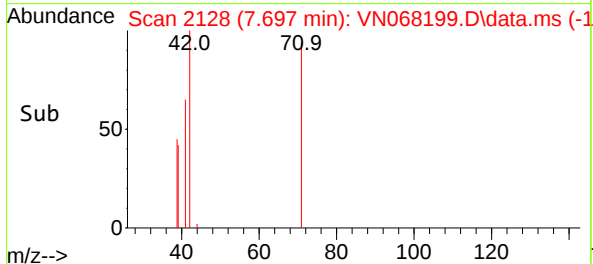
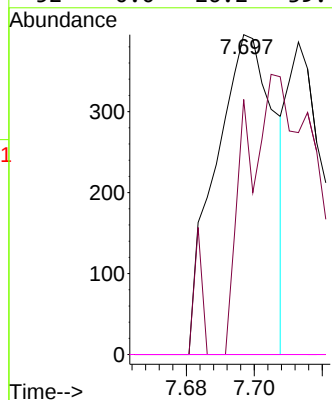
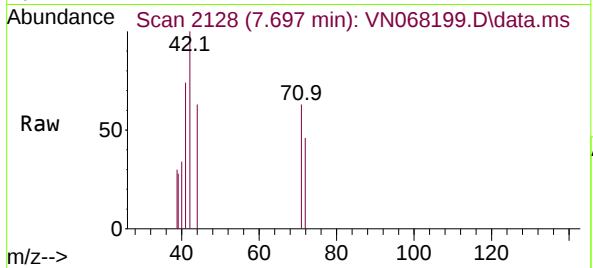




#41
Methacrylonitrile
Concen: 0.234 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.059 min
Lab File: VN068199.D
Acq: 18 Aug 2021 17:39

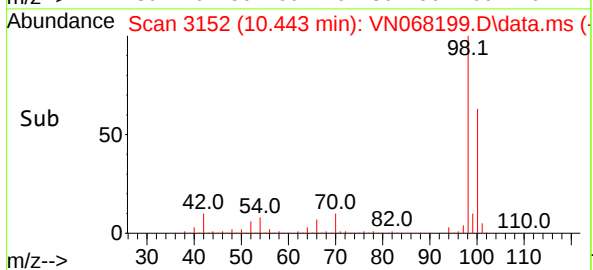
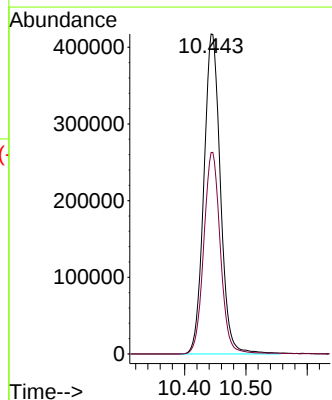
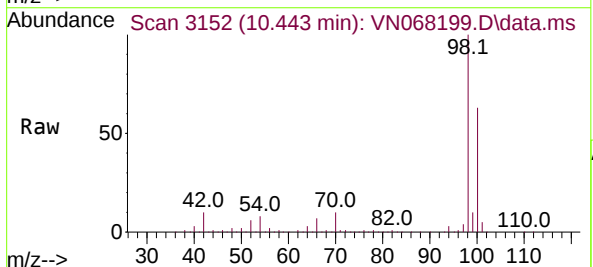
Instrument :
MSVOA_N
ClientSampled :

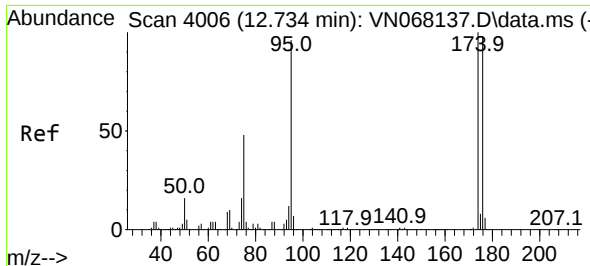
Tgt Ion: 41	Resp: 475
Ion Ratio	Lower Upper
41 100	
39 97.9	47.6 71.4#
67 0.0	57.7 86.5#
52 0.0	26.2 39.4#



#50
Toluene-d8
Concen: 51.316 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068199.D
Acq: 18 Aug 2021 17:39

Tgt Ion: 98	Resp: 783414
Ion Ratio	Lower Upper
98 100	
100 63.1	51.7 77.5

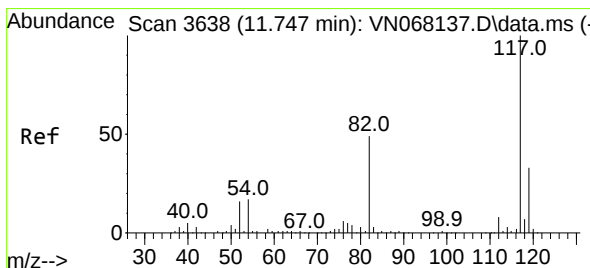
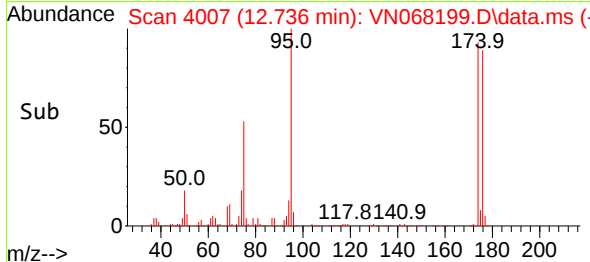
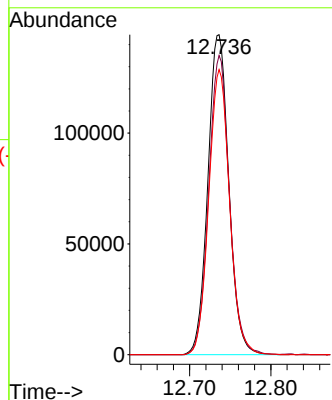
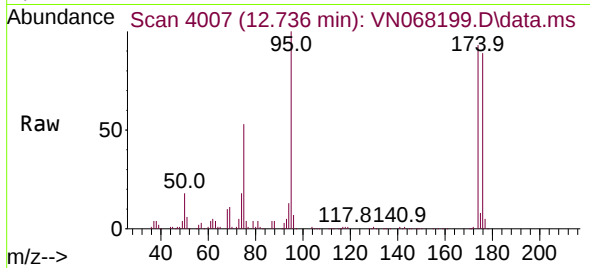




#62
4-Bromofluorobenzene
Concen: 50.953 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068199.D
Acq: 18 Aug 2021 17:39

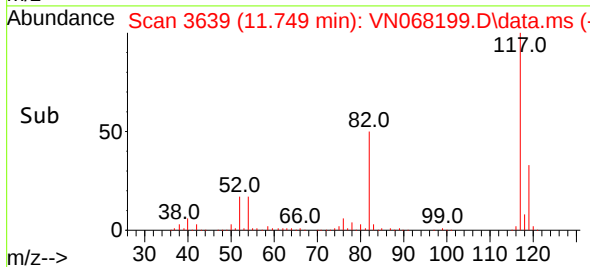
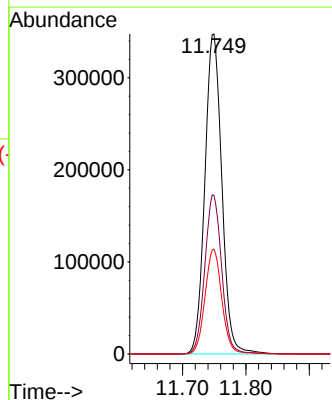
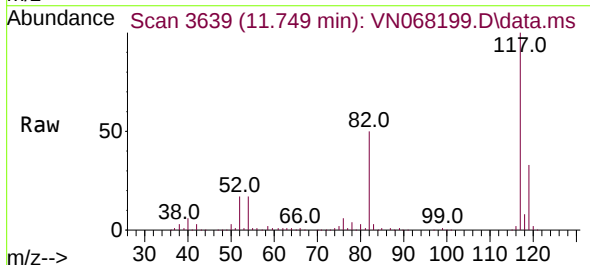
Instrument :
MSVOA_N
ClientSampled :

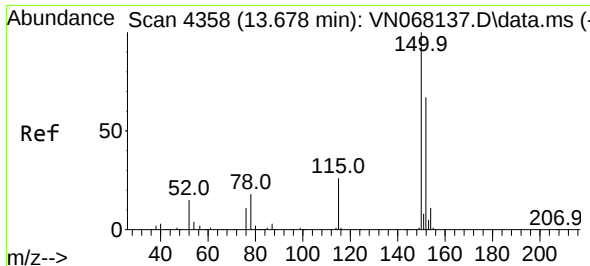
Tgt Ion: 95 Resp: 258948
Ion Ratio Lower Upper
95 100
174 92.6 0.0 122.0
176 88.7 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068199.D
Acq: 18 Aug 2021 17:39

Tgt Ion: 117 Resp: 647619
Ion Ratio Lower Upper
117 100
82 49.6 53.1 79.7#
119 32.7 25.5 38.3

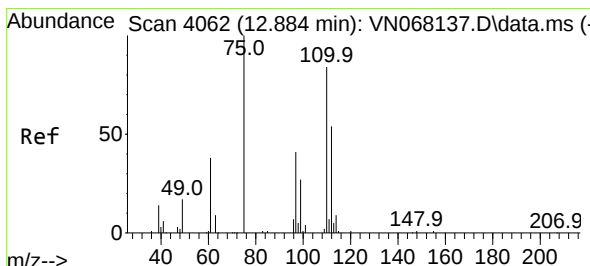
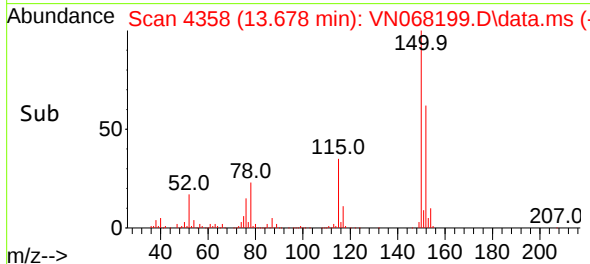
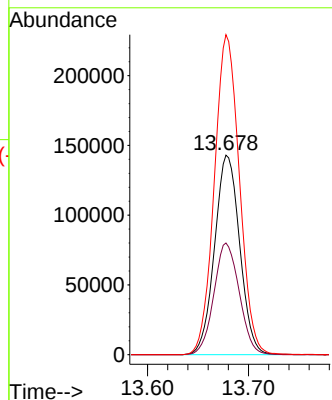
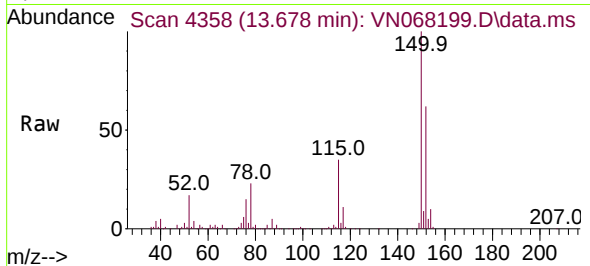




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068199.D
Acq: 18 Aug 2021 17:39

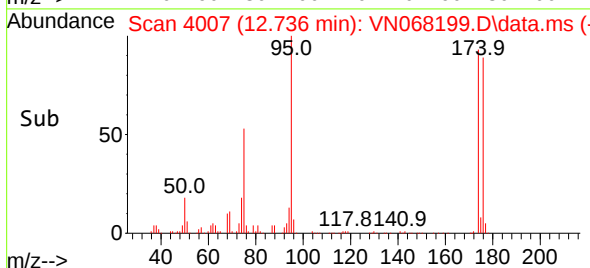
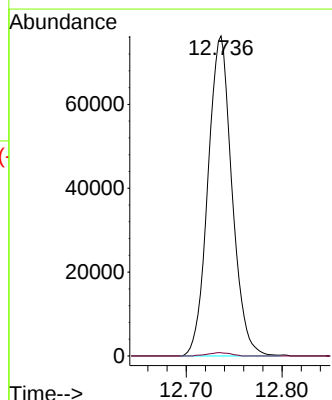
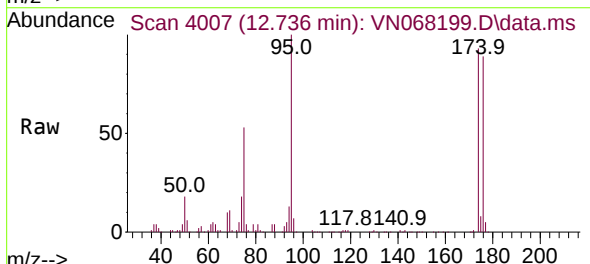
Instrument :
MSVOA_N
ClientSampled :

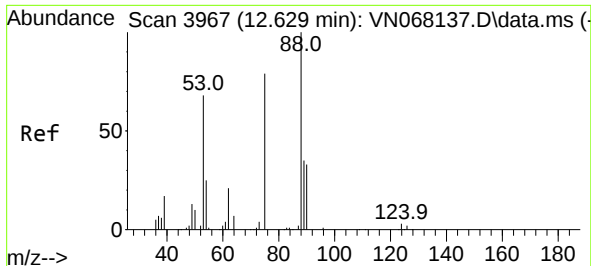
Tgt Ion:152 Resp: 247030
Ion Ratio Lower Upper
152 100
115 56.4 36.1 108.5
150 159.9 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 32.366 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN068199.D
Acq: 18 Aug 2021 17:39

Tgt Ion: 75 Resp: 132893
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#

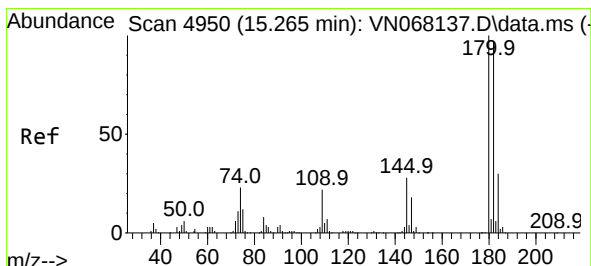
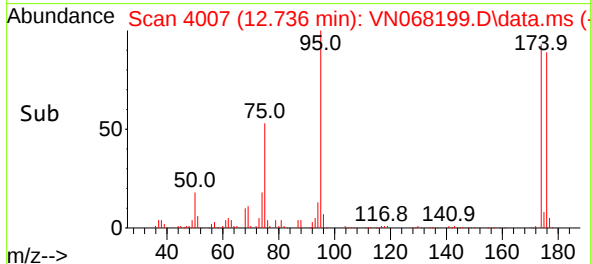
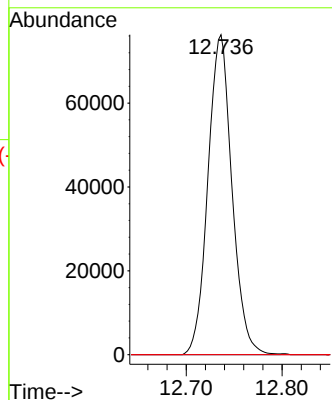
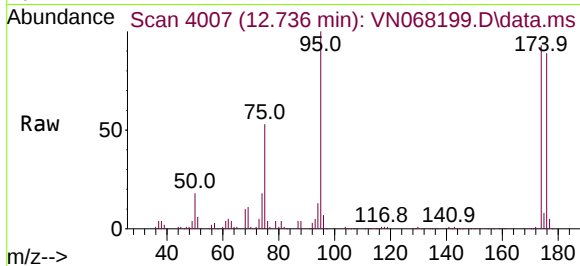




#81
trans-1,4-Dichloro-2-butene
Concen: 106.038 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068199.D
Acq: 18 Aug 2021 17:39

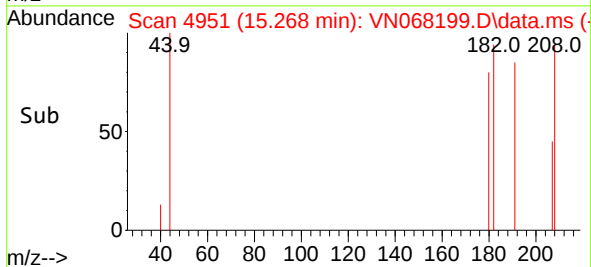
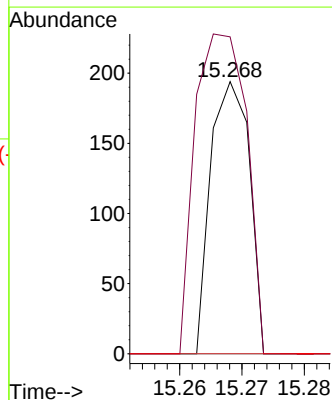
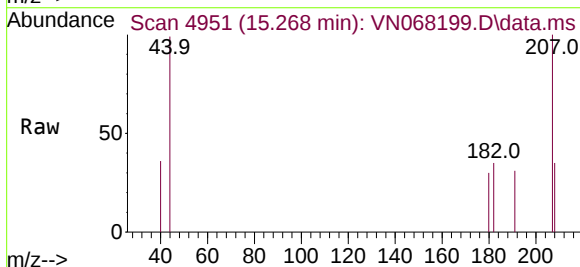
Instrument :
MSVOA_N
ClientSampleId :

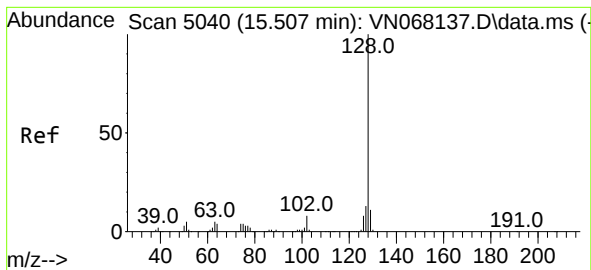
Tgt Ion: 75 Resp: 132893
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.704 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068199.D
Acq: 18 Aug 2021 17:39

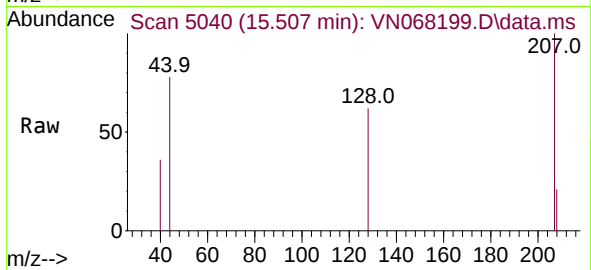
Tgt Ion:180 Resp: 84
Ion Ratio Lower Upper
180 100
182 156.0 47.5 142.5#
145 0.0 17.2 51.6#





#95
Naphthalene
Concen: 3.430 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068199.D
Acq: 18 Aug 2021 17:39

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion:128	Resp:	891
Ion	Ratio	Lower Upper
128	100	
127	0.0	10.6 15.8#
129	0.0	8.6 12.8#

