

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082321\
 Data File : VN068269.D
 Acq On : 23 Aug 2021 15:18
 Operator : JC/MD
 Sample : M3502-04
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 24 03:54:24 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)

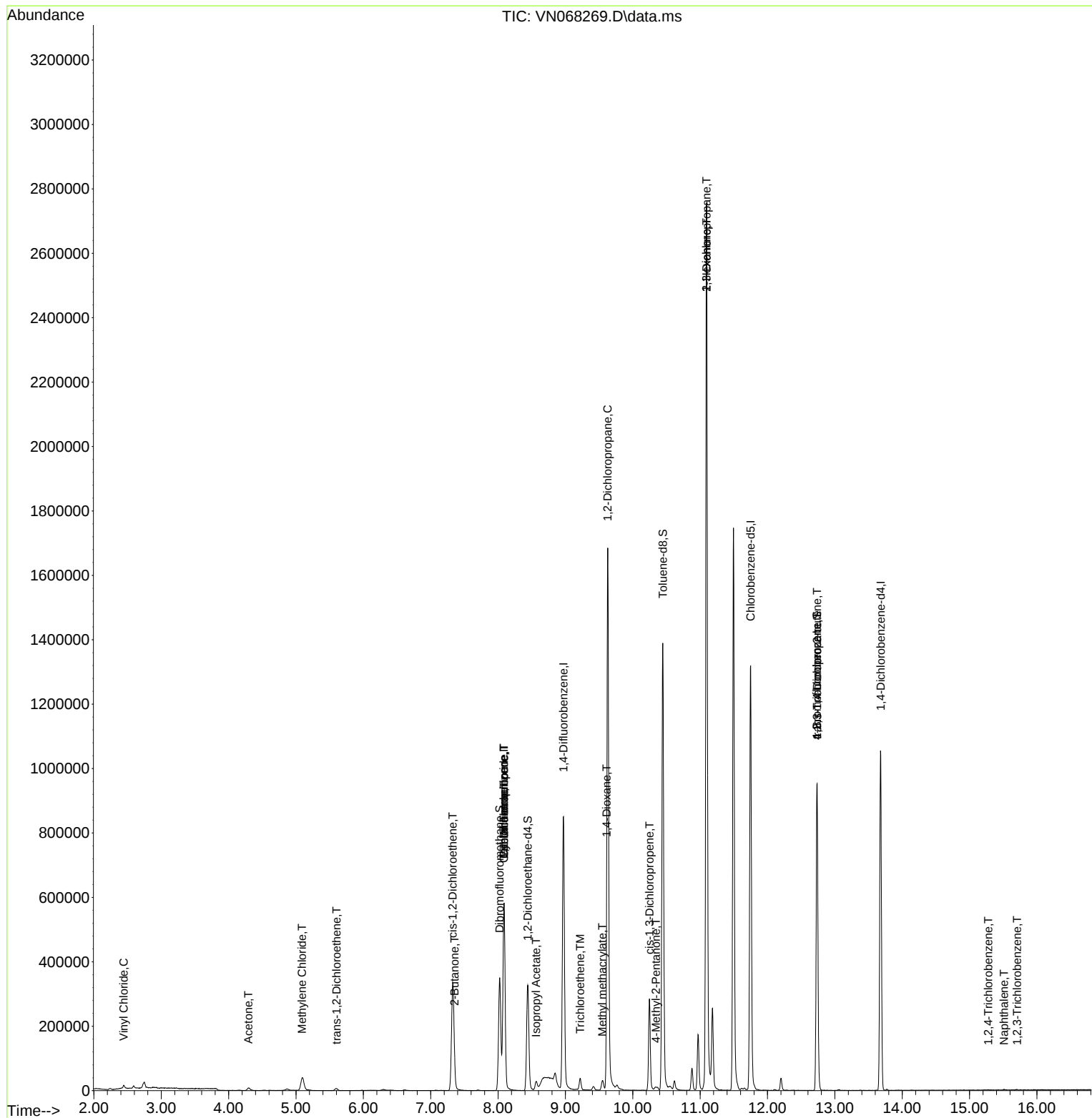
Internal Standards						
1) Pentafluorobenzene	8.088	168	489177	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	822712	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	862214	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.680	152	318602	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	283766	54.329	ug/l	0.00
Spiked Amount 50.000	Range	61 - 141	Recovery	=	108.660%	
35) Dibromofluoromethane	8.024	113	256417	49.643	ug/l	0.00
Spiked Amount 50.000	Range	69 - 133	Recovery	=	99.280%	
50) Toluene-d8	10.446	98	1025044	52.082	ug/l	0.00
Spiked Amount 50.000	Range	65 - 126	Recovery	=	104.160%	
62) 4-Bromofluorobenzene	12.733	95	329289	50.259	ug/l	0.00
Spiked Amount 50.000	Range	58 - 135	Recovery	=	100.520%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.443	62	8510	1.240	ug/l	# 89
5) Bromomethane	2.816	94	60	Below Cal	#	4
6) Chloroethane	2.748	64	162	Below Cal	#	44
13) Acrolein	4.049	56	229	Below Cal		89
16) Acetone	4.293	43	15898	10.425	ug/l	91
18) Methyl Acetate	4.867	43	7664	Below Cal	#	61
20) Methylene Chloride	5.090	84	34315	6.274	ug/l	# 81
21) trans-1,2-Dichloroethene	5.602	96	4746	1.069	ug/l	# 70
25) 2-Butanone	7.353	43	2300	0.968	ug/l	# 81
27) cis-1,2-Dichloroethene	7.327	96	226655	42.636	ug/l	68
31) Cyclohexane	8.088	56	8065	1.172	ug/l	# 6
36) 1,1-Dichloropropene	8.088	75	31054	4.617	ug/l	# 54
38) Carbon Tetrachloride	8.086	117	47287	6.096	ug/l	# 17
43) Isopropyl Acetate	8.566	43	32293	3.519	ug/l	# 91
44) Trichloroethene	9.220	130	13111	2.124	ug/l	73
45) 1,2-Dichloropropane	9.625	63	2286	0.473	ug/l	# 44
48) Methyl methacrylate	9.547	41	7611	1.990	ug/l	# 12
49) 1,4-Dioxane	9.612	88	52	0.563	ug/l	# 20
51) 4-Methyl-2-Pentanone	10.344	43	6896	1.223	ug/l	94
54) cis-1,3-Dichloropropene	10.247	75	55537	7.130	ug/l	# 55
57) 1,3-Dichloropropane	11.095	76	32266	3.746	ug/l	# 43
59) 2-Hexanone	11.095	43	392325	100.222	ug/l	# 57
76) 1,2,3-Trichloropropane	12.736	75	167740	31.676	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.736	75	167740	103.776	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.276	180	407	2.757	ug/l	# 83
95) Naphthalene	15.509	128	1880	3.485	ug/l	# 80
96) 1,2,3-Trichlorobenzene	15.705	180	570	2.938	ug/l	# 85

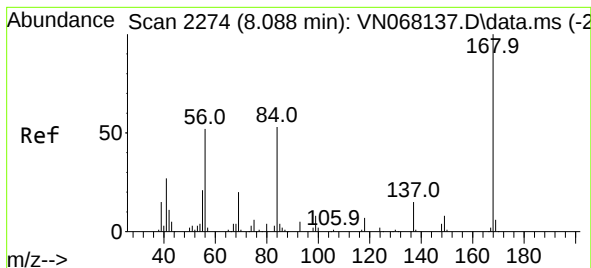
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082321\
Data File : VN068269.D
Acq On : 23 Aug 2021 15:18
Operator : JC/MD
Sample : M3502-04
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Aug 24 03:54:24 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: VN068269.D

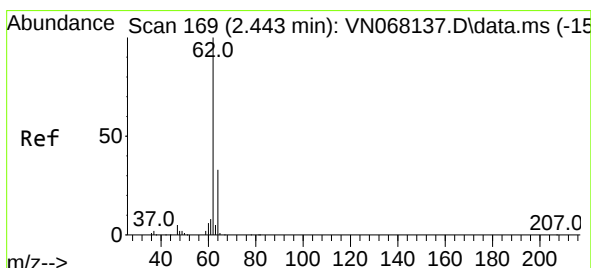
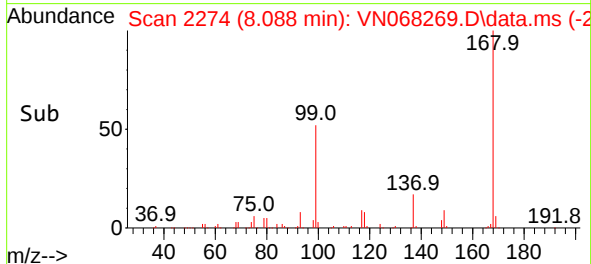
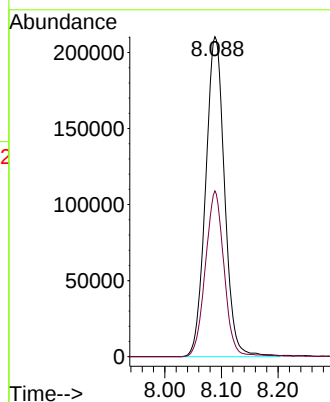
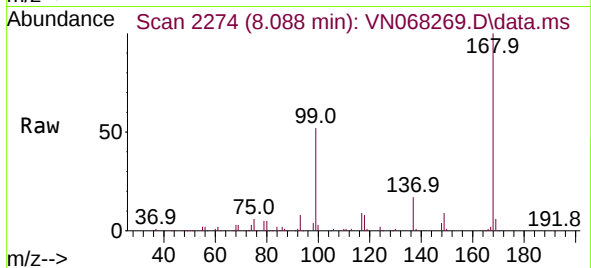
Acq: 23 Aug 2021 15:18

Tgt Ion:168 Resp: 489177

Ion Ratio Lower Upper

168 100

99 51.8 62.9 94.3#



#4

Vinyl Chloride

Concen: 1.240 ug/l

RT: 2.443 min Scan# 169

Delta R.T. -0.000 min

Lab File: VN068269.D

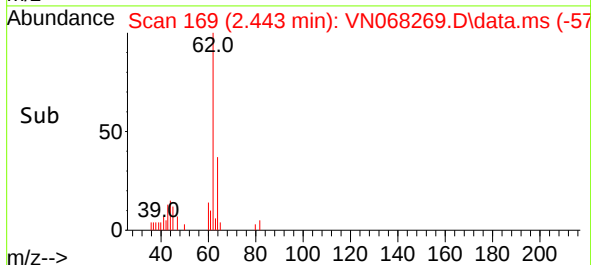
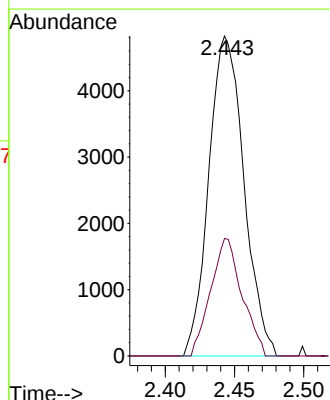
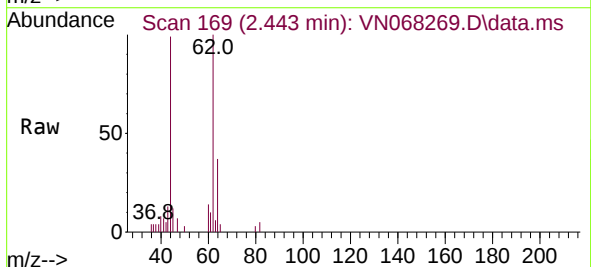
Acq: 23 Aug 2021 15:18

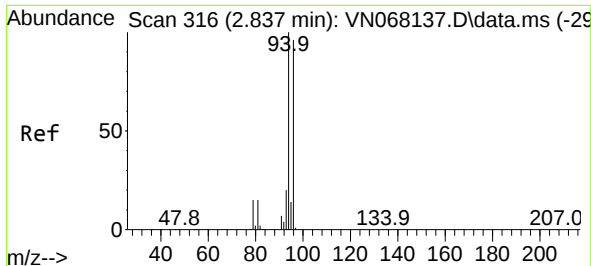
Tgt Ion: 62 Resp: 8510

Ion Ratio Lower Upper

62 100

64 36.7 24.4 36.6#

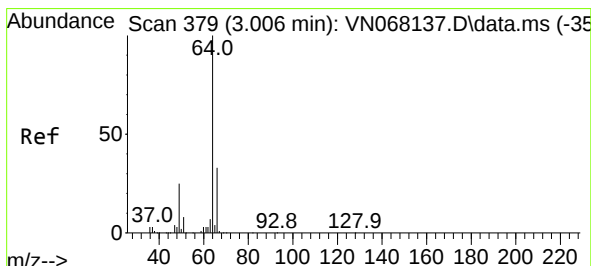
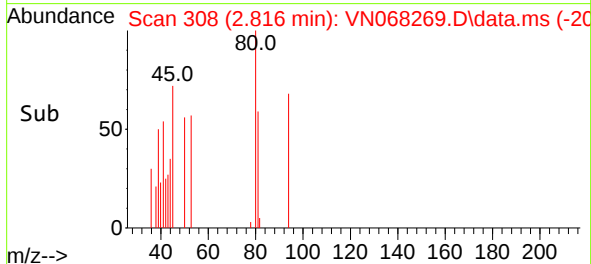
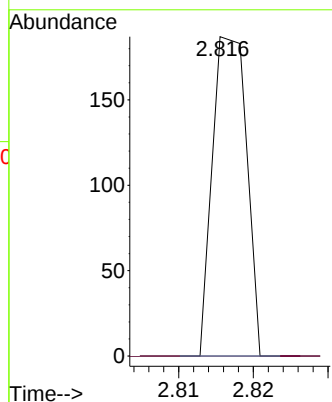
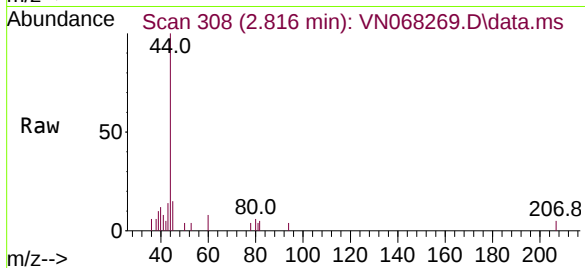




#5
Bromomethane
Concen: Below Cal
RT: 2.816 min Scan# 308
Delta R.T. -0.021 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

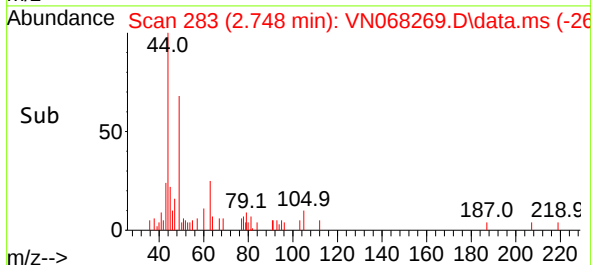
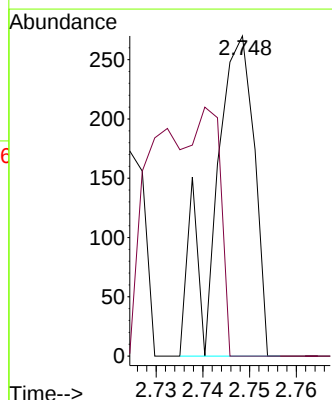
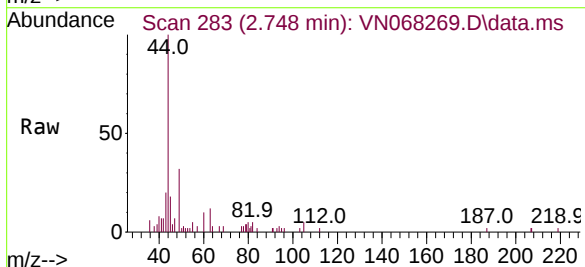
Instrument :
MSVOA_N
ClientSampleId :

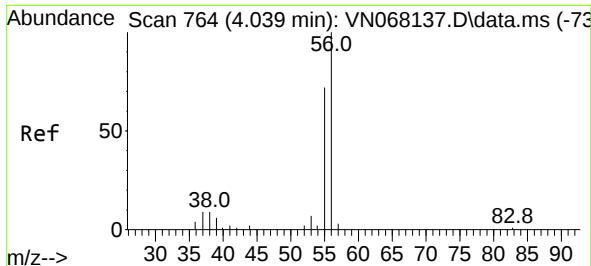
Tgt Ion: 94 Resp: 60
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 2.748 min Scan# 283
Delta R.T. -0.258 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

Tgt Ion: 64 Resp: 162
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

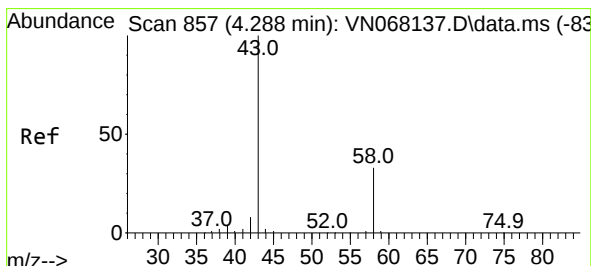
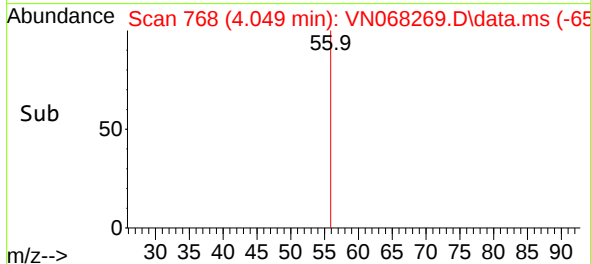
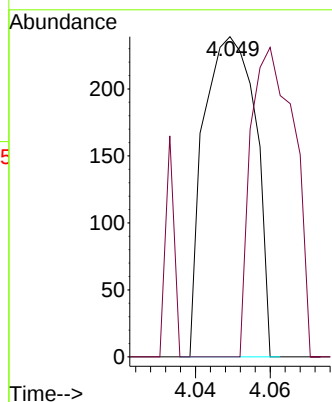
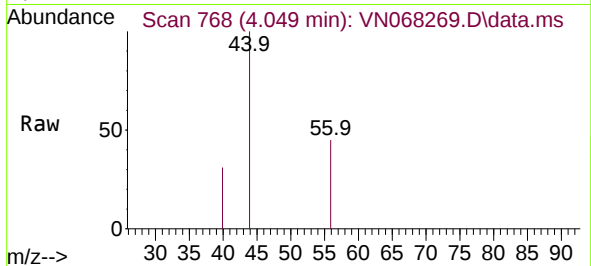




#13
Acrolein
Concen: Below Cal
RT: 4.049 min Scan# 768
Delta R.T. 0.010 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

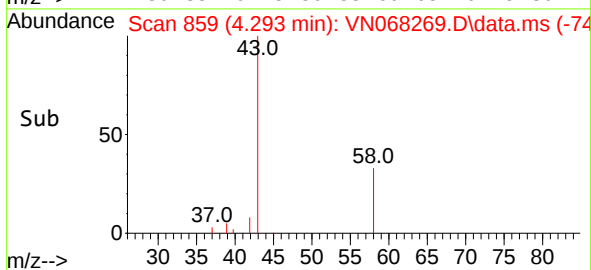
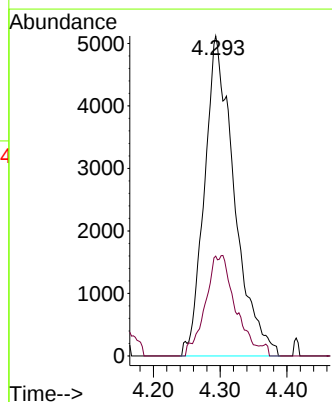
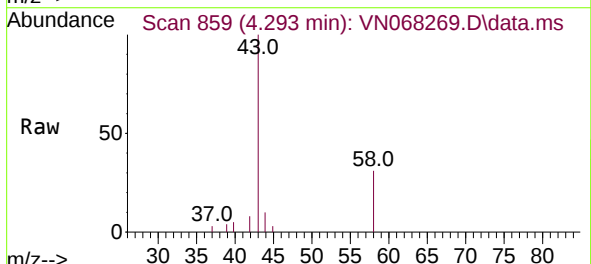
Instrument :
MSVOA_N
ClientSampled :

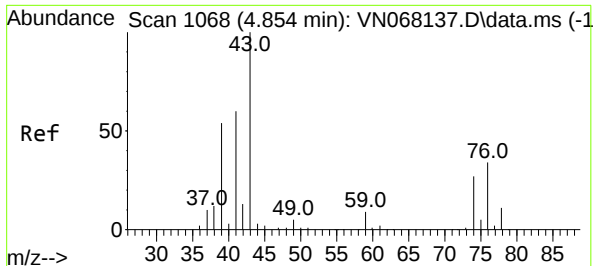
Tgt Ion: 56 Resp: 229
Ion Ratio Lower Upper
56 100
55 80.8 57.4 86.0



#16
Acetone
Concen: 10.425 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

Tgt Ion: 43 Resp: 15898
Ion Ratio Lower Upper
43 100
58 31.2 21.2 31.8





#18

Methyl Acetate

Concen: Below Cal

RT: 4.867 min Scan# 1073

Delta R.T. 0.013 min

Lab File: VN068269.D

Acq: 23 Aug 2021 15:18

Tgt Ion: 43 Resp: 7664

Ion Ratio Lower Upper

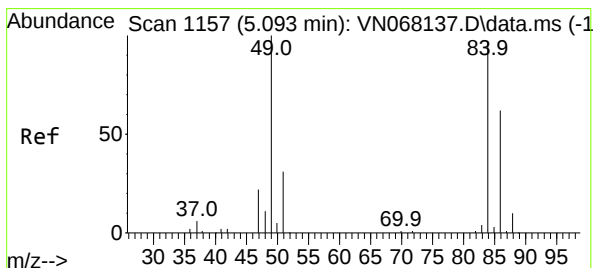
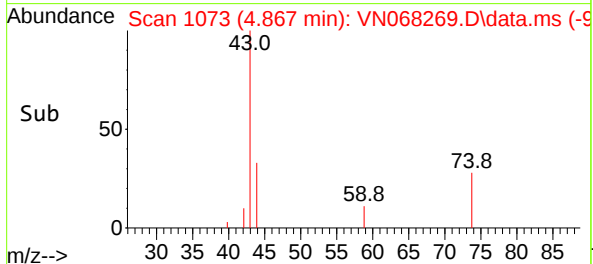
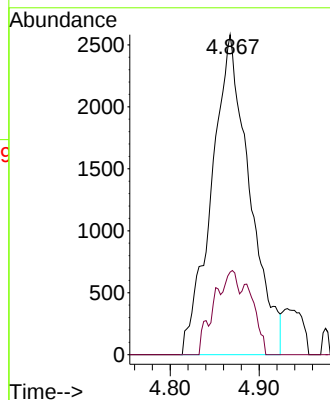
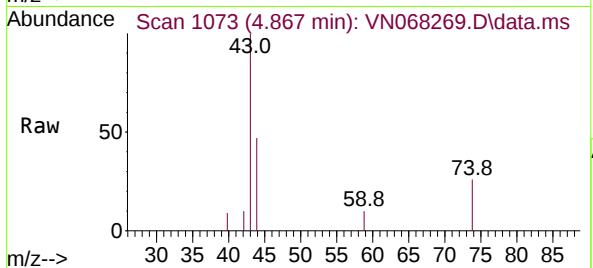
43 100

74 3.1 17.4 26.0#

Instrument :

MSVOA_N

ClientSampled :



#20

Methylene Chloride

Concen: 6.274 ug/l

RT: 5.090 min Scan# 1156

Delta R.T. -0.003 min

Lab File: VN068269.D

Acq: 23 Aug 2021 15:18

Tgt Ion: 84 Resp: 34315

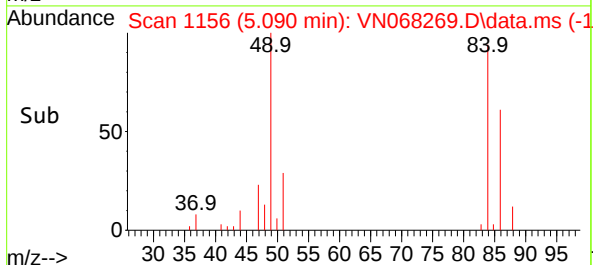
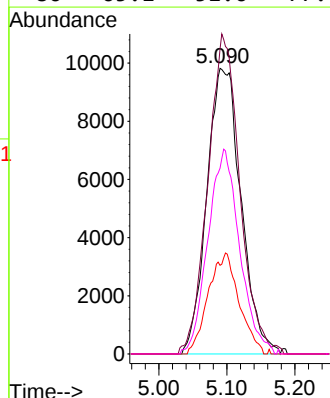
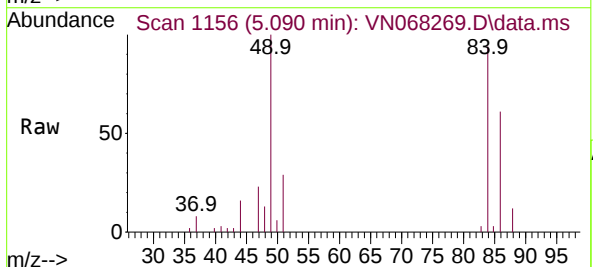
Ion Ratio Lower Upper

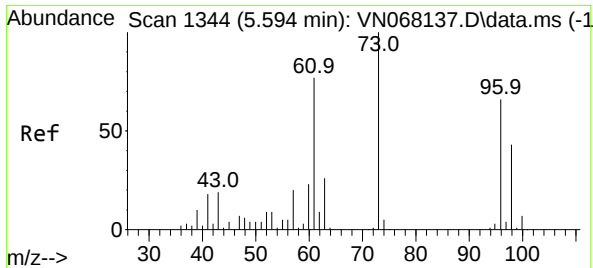
84 100

49 104.6 110.9 166.3#

51 31.0 32.6 49.0#

86 65.1 51.6 77.4

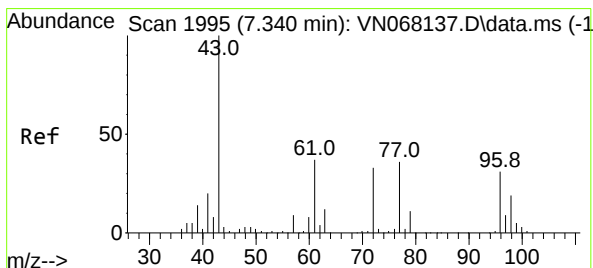
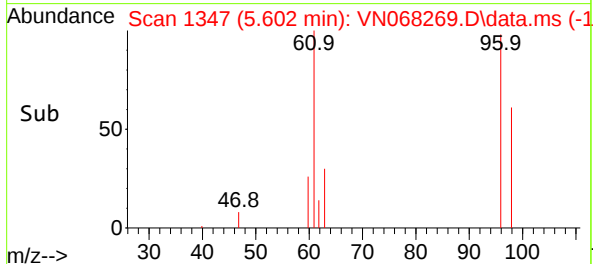
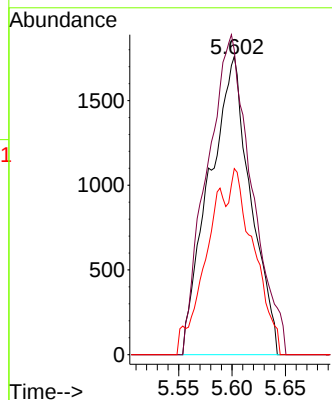
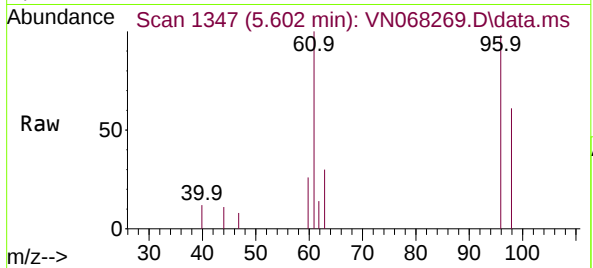




#21
trans-1,2-Dichloroethene
Concen: 1.069 ug/l
RT: 5.602 min Scan# 1347
Delta R.T. 0.008 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

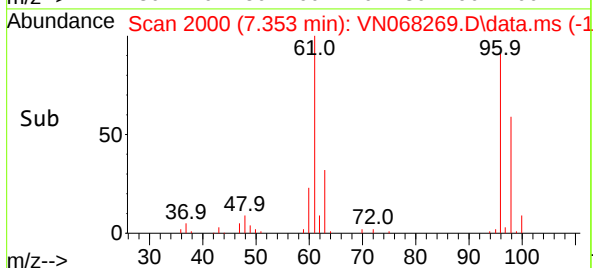
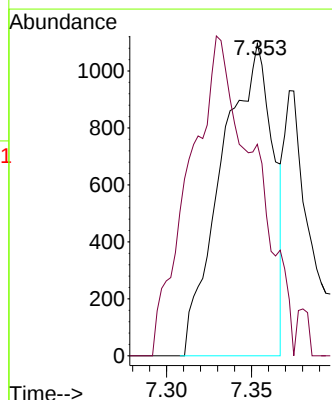
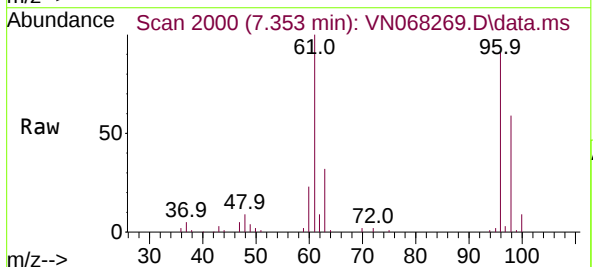
Instrument :
MSVOA_N
ClientSampled :

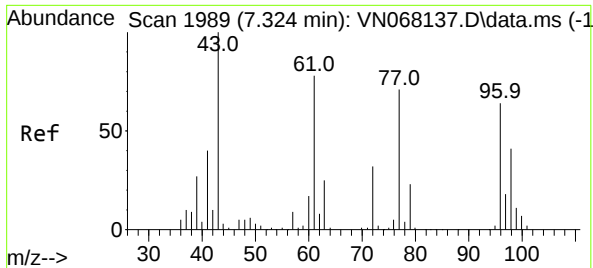
Tgt Ion: 96 Resp: 4746
Ion Ratio Lower Upper
96 100
61 102.2 123.5 185.3#
98 62.4 48.6 72.8



#25
2-Butanone
Concen: 0.968 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.013 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

Tgt Ion: 43 Resp: 2300
Ion Ratio Lower Upper
43 100
72 33.9 19.7 29.5#

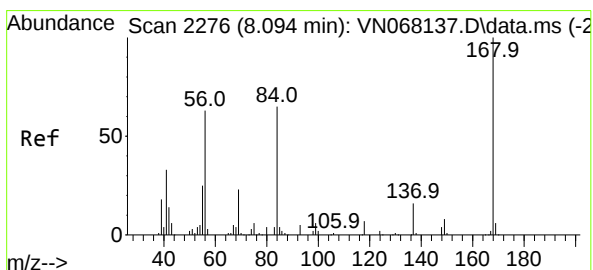
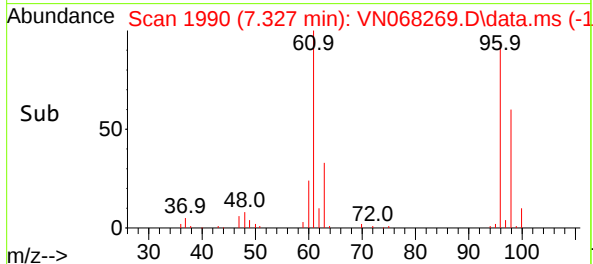
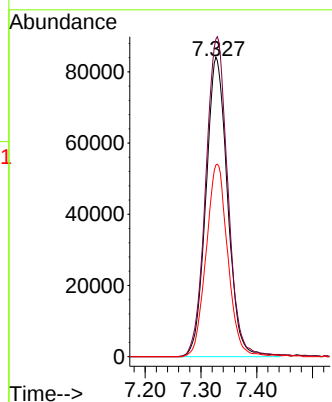
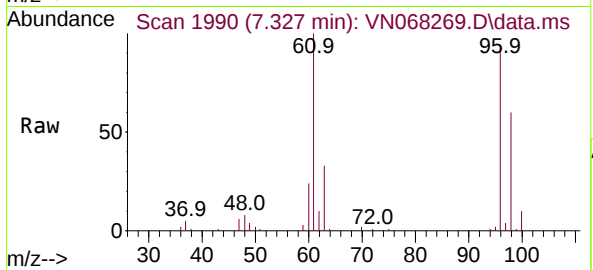




#27
cis-1,2-Dichloroethene
Concen: 42.636 ug/l
RT: 7.327 min Scan# 1990
Delta R.T. 0.003 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

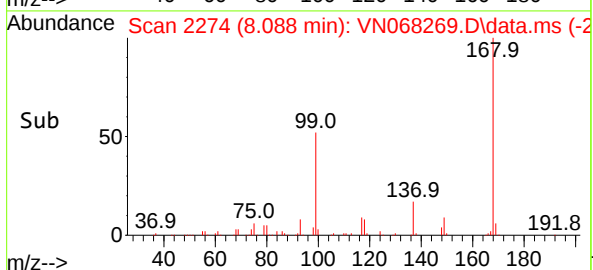
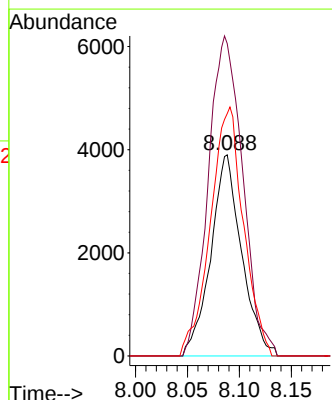
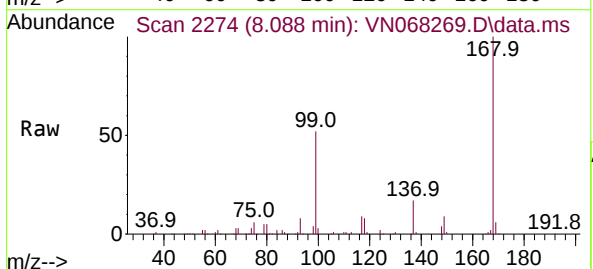
Instrument :
MSVOA_N
ClientSampled :

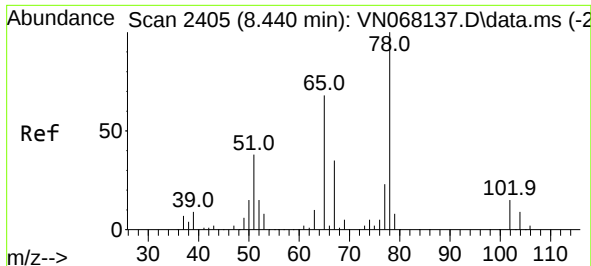
Tgt Ion:	96	Resp:	226655
Ion	Ratio	Lower	Upper
96	100		
61	108.7	0.0	338.8
98	64.2	0.0	129.8



#31
Cyclohexane
Concen: 1.172 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

Tgt Ion:	56	Resp:	8065
Ion	Ratio	Lower	Upper
56	100		
69	155.3	27.3	40.9#
84	120.5	64.9	97.3#

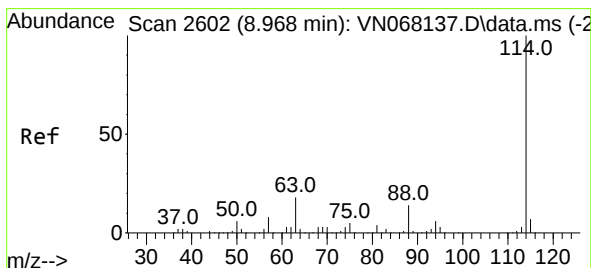
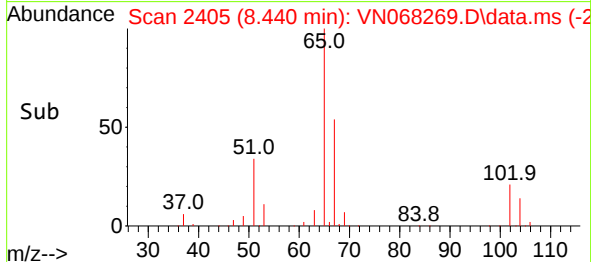
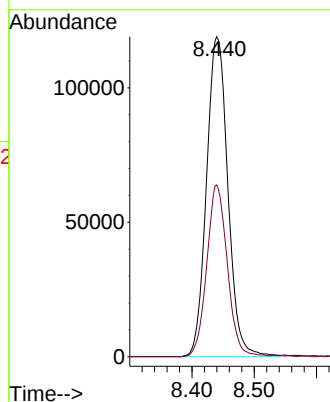
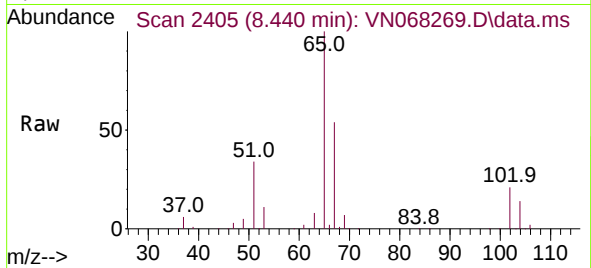




#33
 1,2-Dichloroethane-d4
 Concen: 54.329 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068269.D
 Acq: 23 Aug 2021 15:18

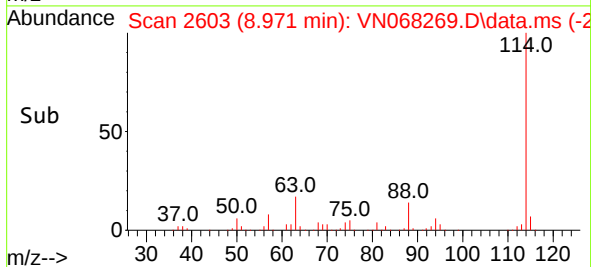
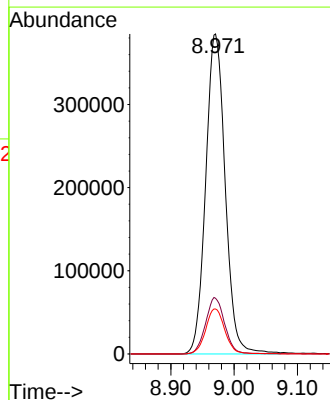
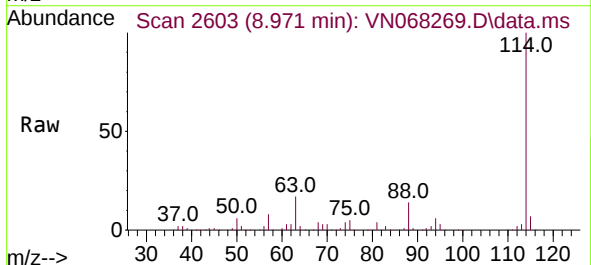
Instrument :
 MSVOA_N
 ClientSampled :

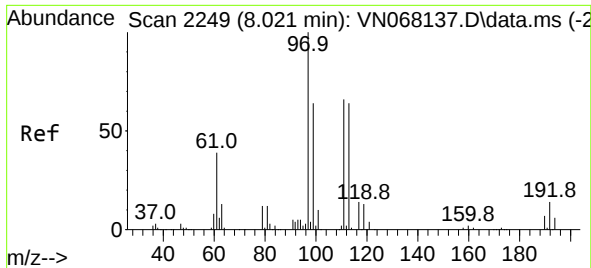
Tgt Ion: 65 Resp: 283766
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068269.D
 Acq: 23 Aug 2021 15:18

Tgt Ion: 114 Resp: 822712
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 49.0
 88 14.1 0.0 36.6

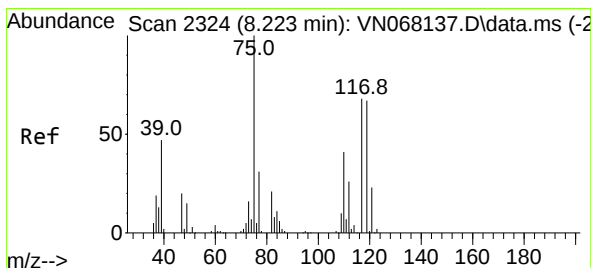
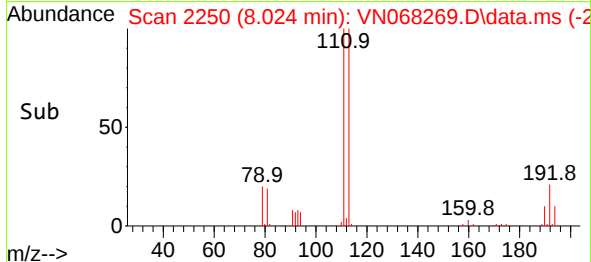
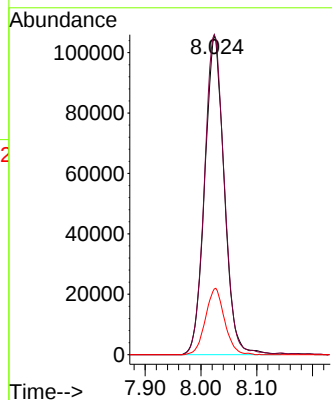
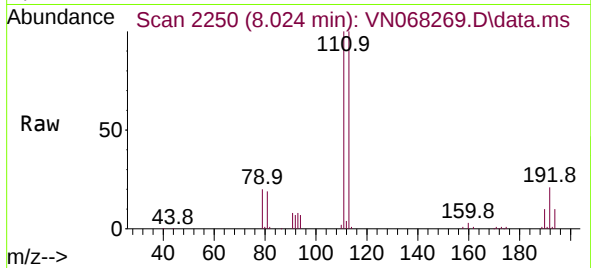




#35
Dibromofluoromethane
Concen: 49.643 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

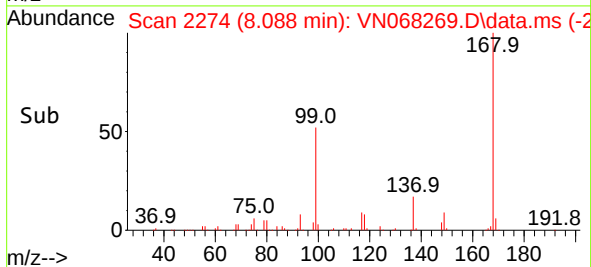
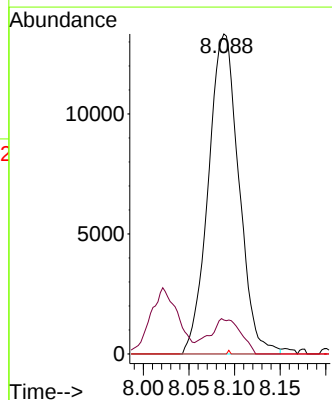
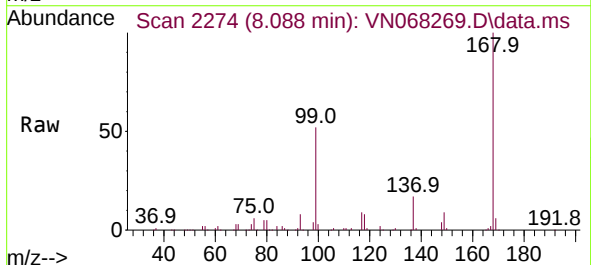
Instrument :
MSVOA_N
ClientSampled :

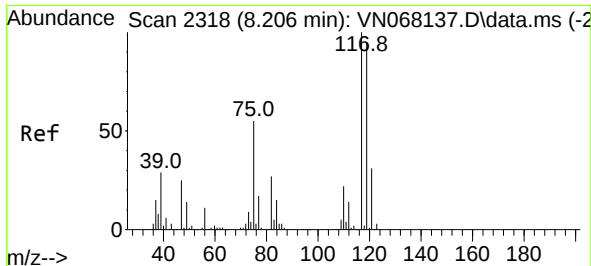
Tgt Ion:113 Resp: 256417
Ion Ratio Lower Upper
113 100
111 101.1 83.8 125.8
192 20.4 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.617 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

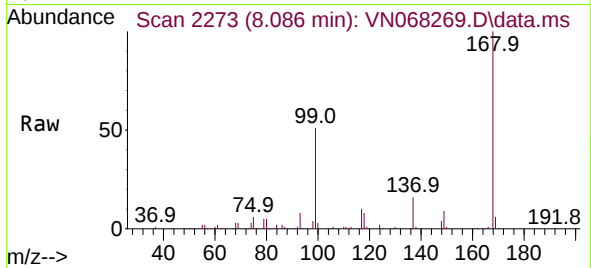
Tgt Ion: 75 Resp: 31054
Ion Ratio Lower Upper
75 100
110 11.4 15.7 47.0#
77 0.1 24.6 37.0#



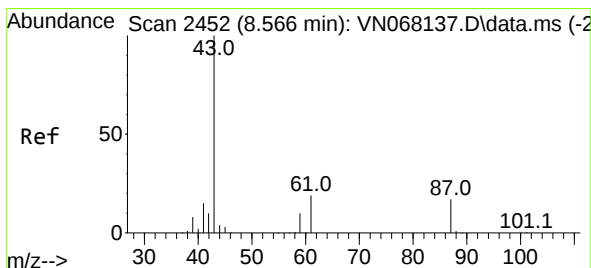
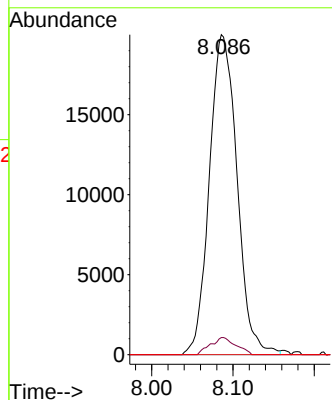
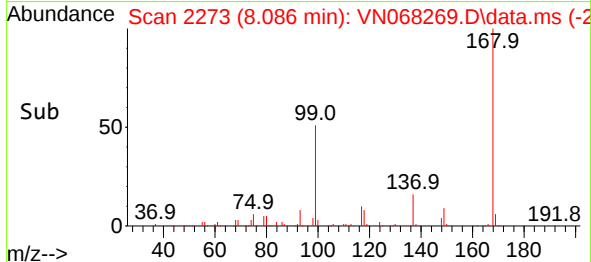


#38
Carbon Tetrachloride
Concen: 6.096 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

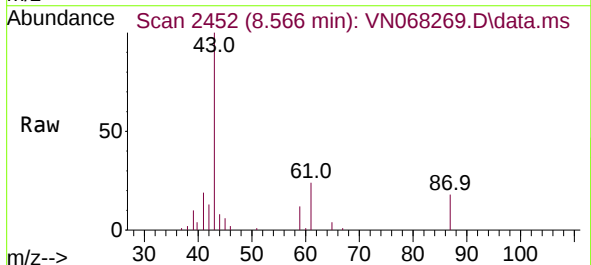
Instrument :
MSVOA_N
ClientSampled :



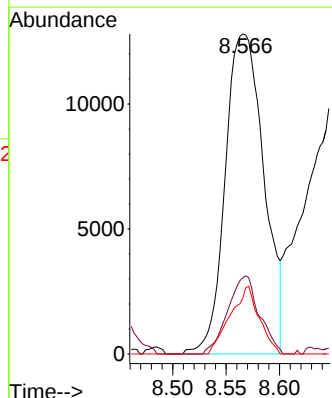
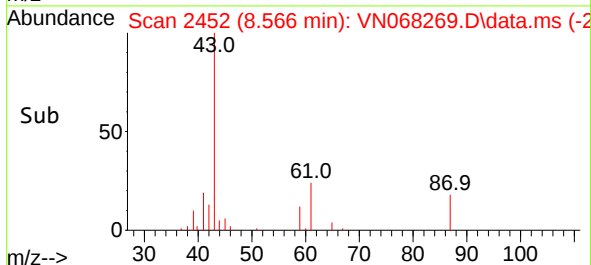
Tgt Ion: 117 Resp: 47287
Ion Ratio Lower Upper
117 100
119 5.4 75.4 113.2#
121 0.0 23.5 35.3#

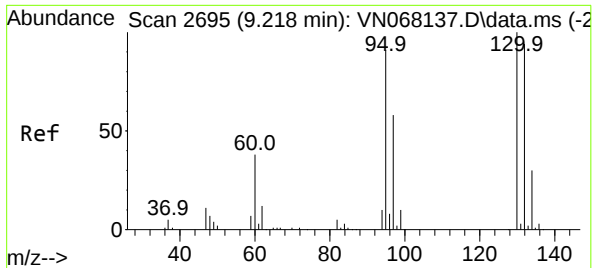


#43
Isopropyl Acetate
Concen: 3.519 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18



Tgt Ion: 43 Resp: 32293
Ion Ratio Lower Upper
43 100
61 19.8 19.0 28.4
87 15.7 9.5 14.3#

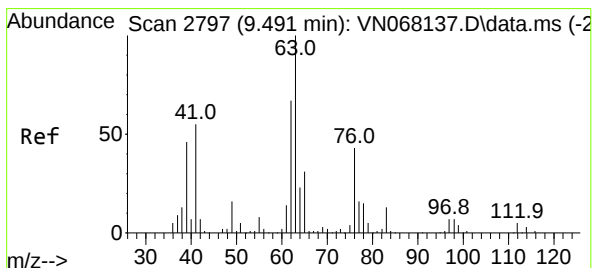
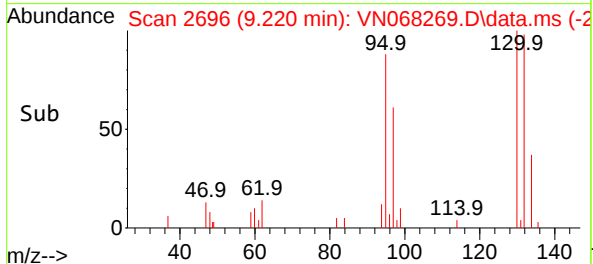
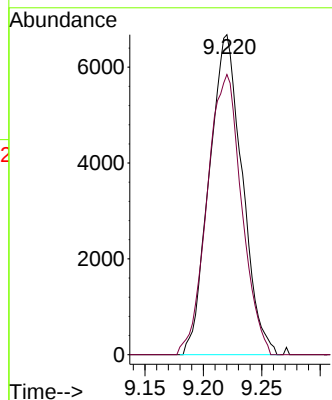
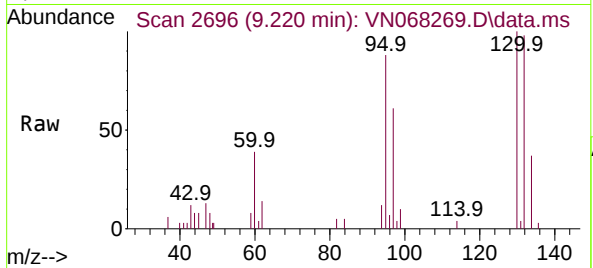




#44
Trichloroethene
Concen: 2.124 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.002 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

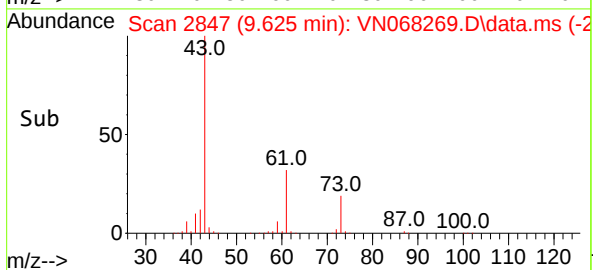
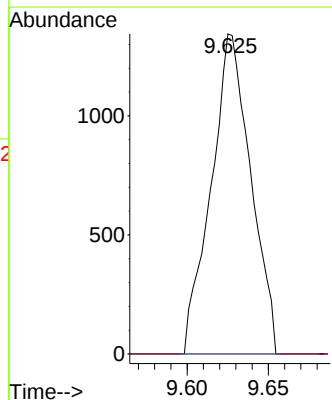
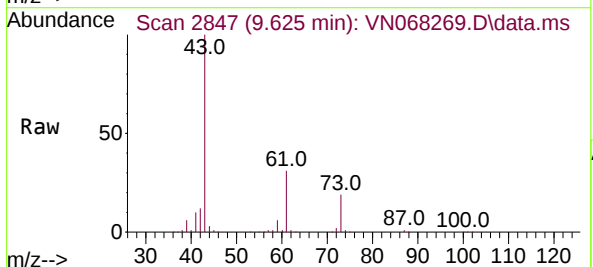
Instrument :
MSVOA_N
ClientSampled :

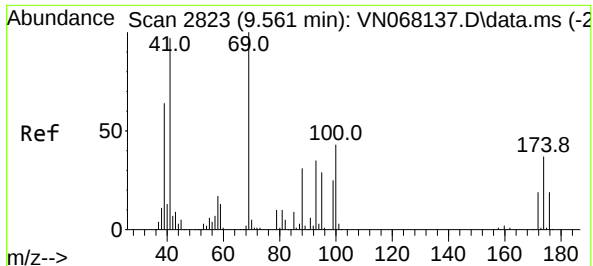
Tgt Ion:130 Resp: 13111
Ion Ratio Lower Upper
130 100
95 87.5 0.0 234.4



#45
1,2-Dichloropropane
Concen: 0.473 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

Tgt Ion: 63 Resp: 2286
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

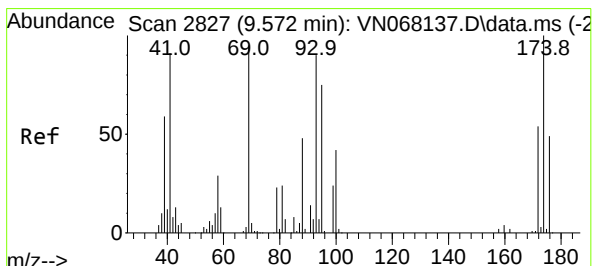
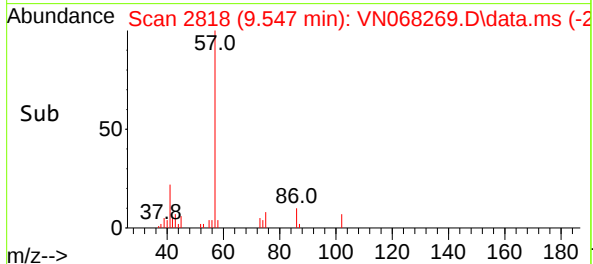
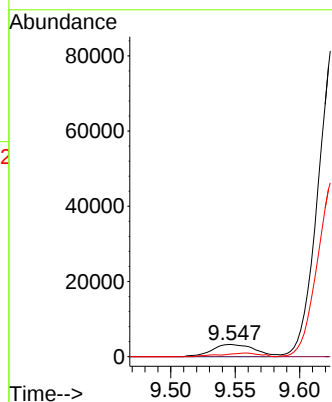
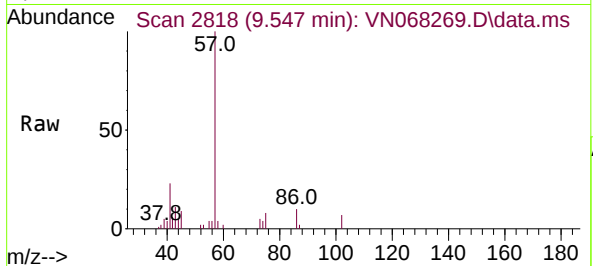




#48
Methyl methacrylate
Concen: 1.990 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

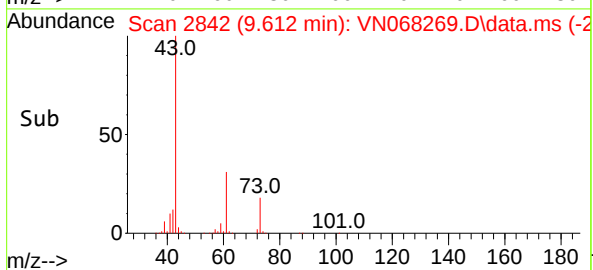
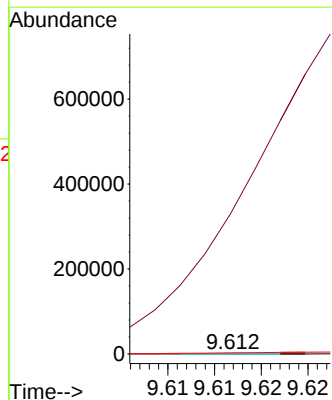
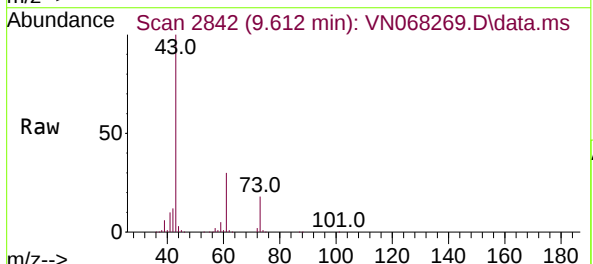
Instrument :
MSVOA_N
ClientSampleId :

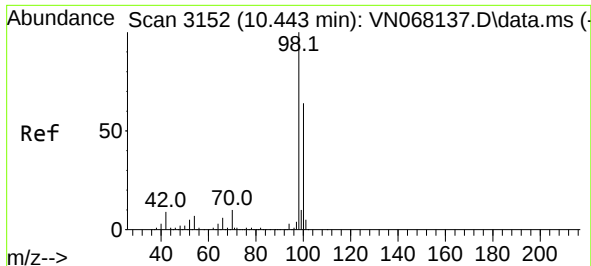
Tgt Ion: 41 Resp: 7611
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 0.563 ug/l
RT: 9.612 min Scan# 2842
Delta R.T. 0.040 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

Tgt Ion: 88 Resp: 52
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 60.4 90.6#

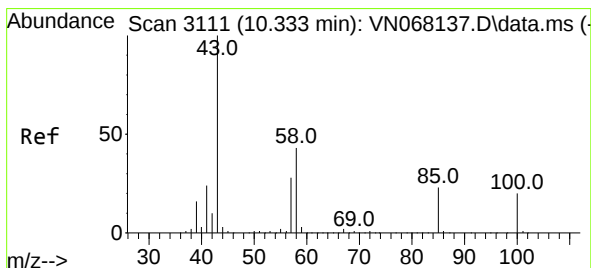
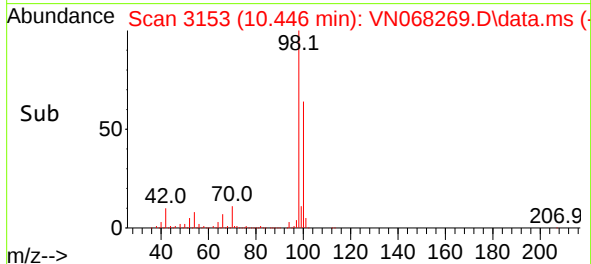
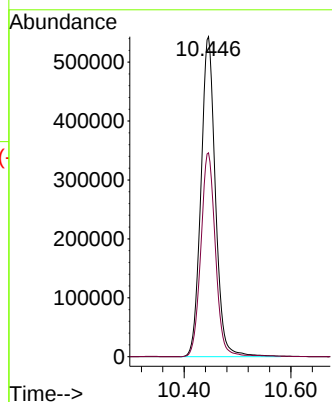
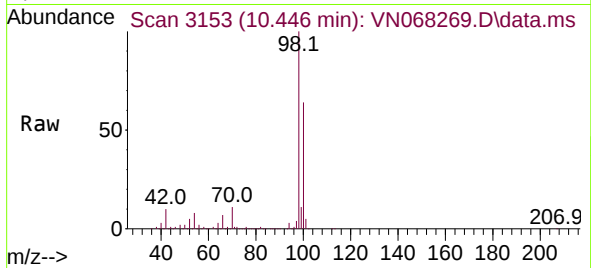




#50
Toluene-d8
Concen: 52.082 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

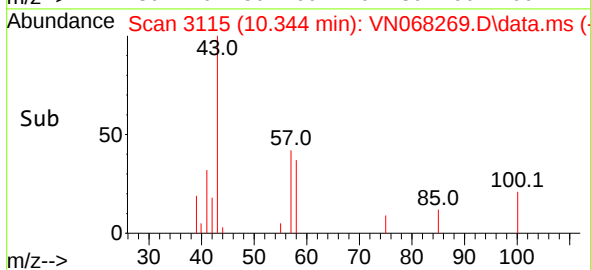
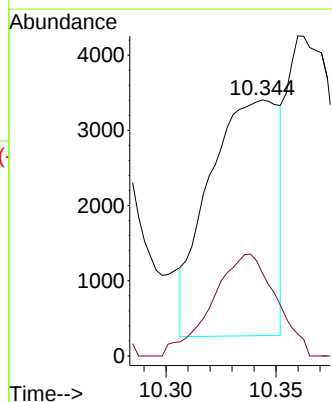
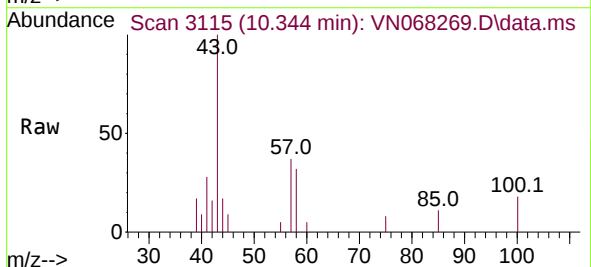
Instrument :
MSVOA_N
ClientSampled :

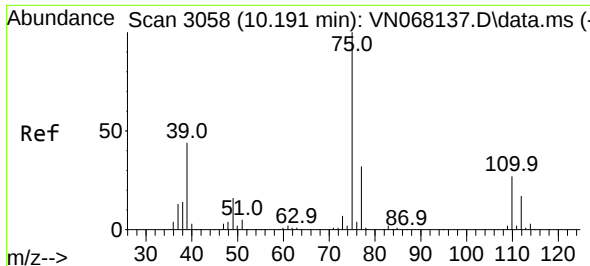
Tgt Ion: 98 Resp: 1025044
Ion Ratio Lower Upper
98 100
100 63.8 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.223 ug/l
RT: 10.344 min Scan# 3115
Delta R.T. 0.011 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

Tgt Ion: 43 Resp: 6896
Ion Ratio Lower Upper
43 100
58 39.4 28.6 43.0

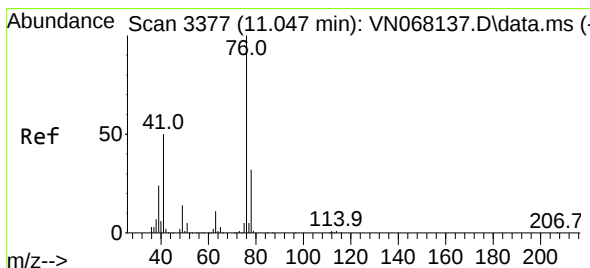
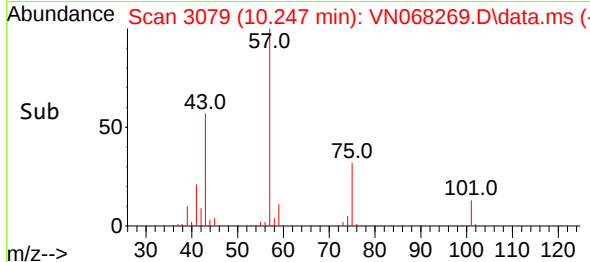
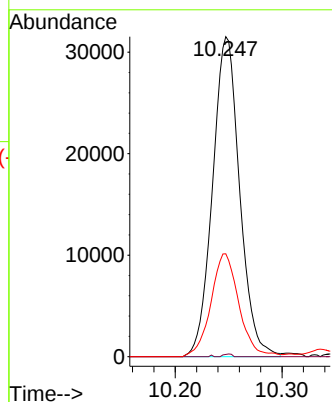
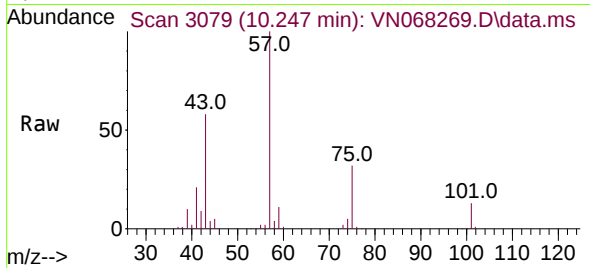




#54
cis-1,3-Dichloropropene
Concen: 7.130 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

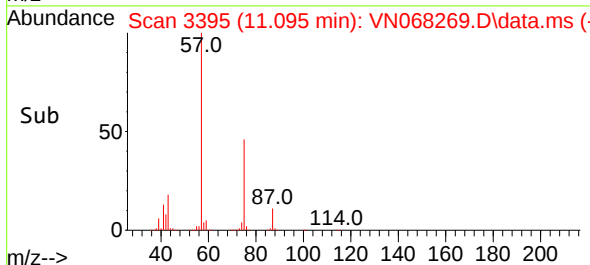
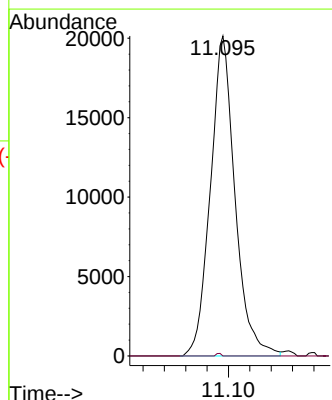
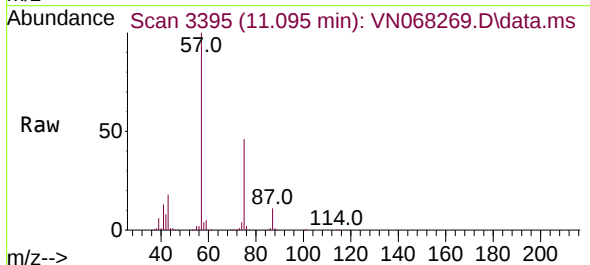
Instrument :
MSVOA_N
ClientSampled :

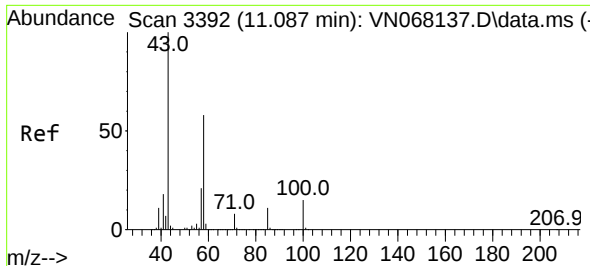
Tgt Ion: 75 Resp: 55537
Ion Ratio Lower Upper
75 100
77 0.7 24.6 37.0#
39 32.1 50.7 76.1#



#57
1,3-Dichloropropane
Concen: 3.746 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

Tgt Ion: 76 Resp: 32266
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#

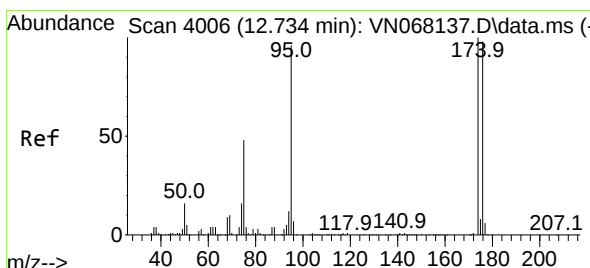
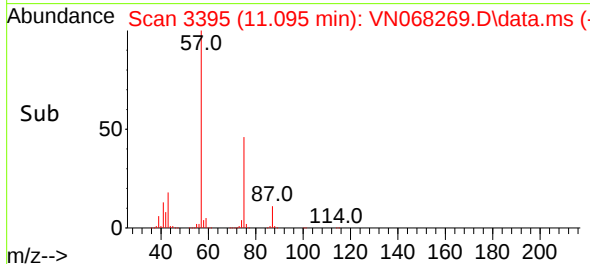
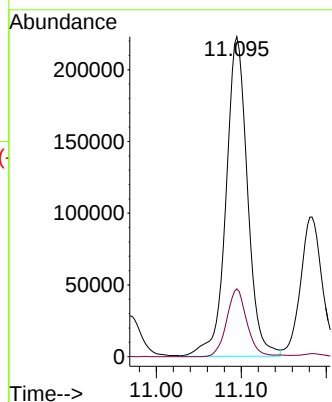
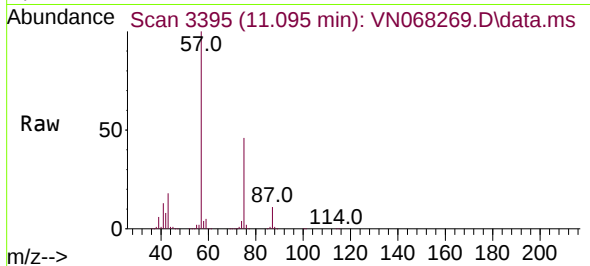




#59
2-Hexanone
Concen: 100.222 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

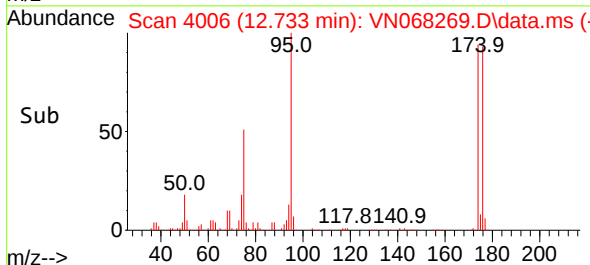
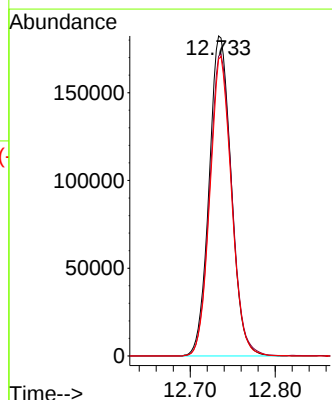
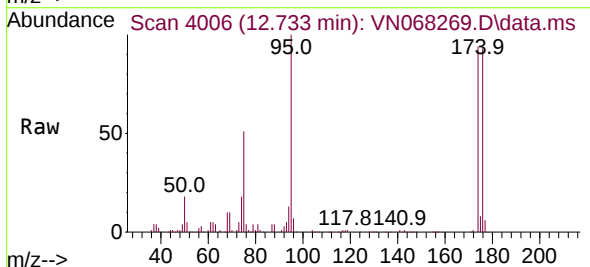
Instrument :
MSVOA_N
ClientSampled :

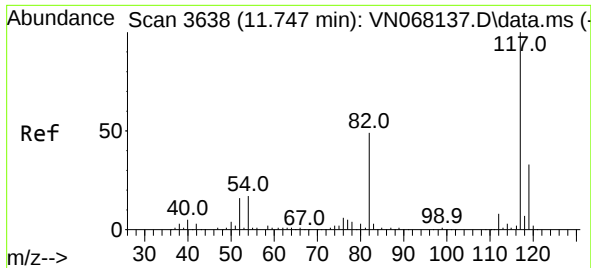
Tgt Ion: 43 Resp: 392325
Ion Ratio Lower Upper
43 100
58 19.9 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 50.259 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

Tgt Ion: 95 Resp: 329289
Ion Ratio Lower Upper
95 100
174 94.8 0.0 122.0
176 91.2 0.0 117.6

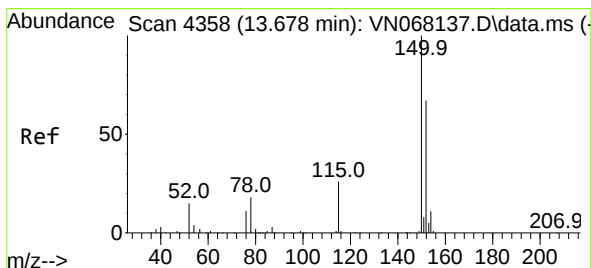
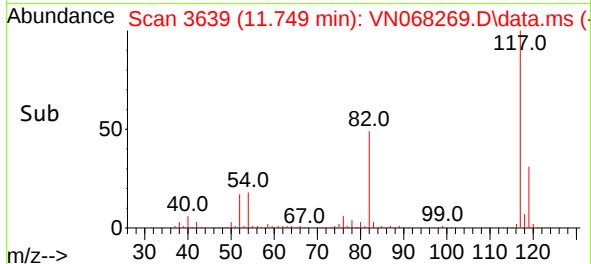
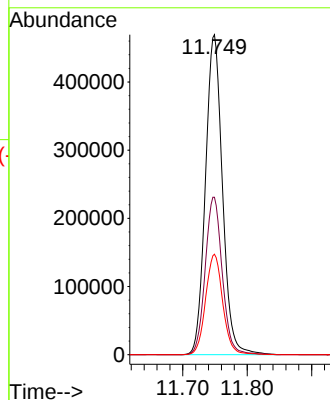
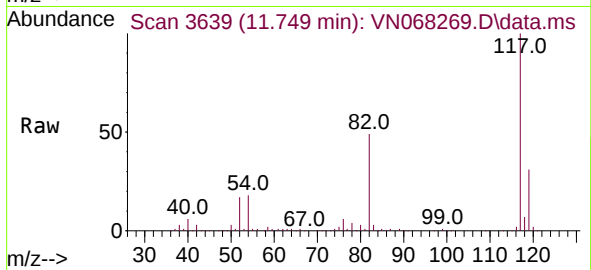




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

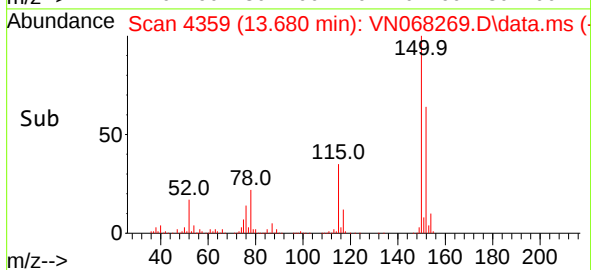
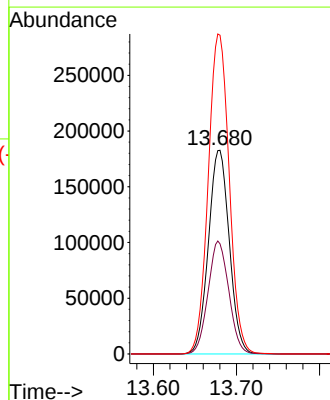
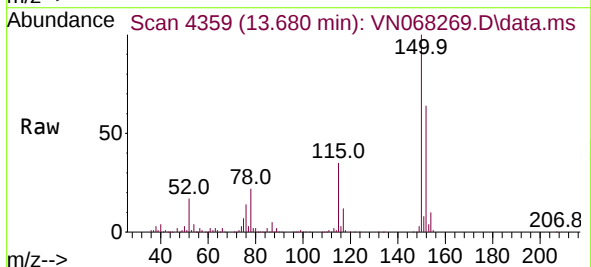
Instrument :
MSVOA_N
ClientSampled :

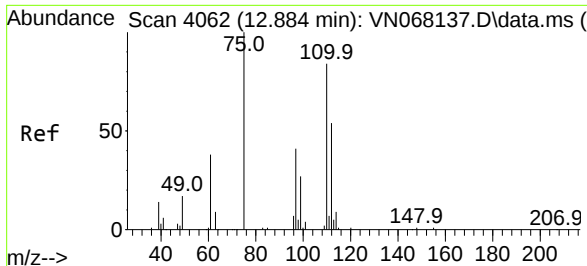
Tgt Ion:117 Resp: 862214
Ion Ratio Lower Upper
117 100
82 49.2 53.1 79.7#
119 31.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.680 min Scan# 4359
Delta R.T. 0.002 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

Tgt Ion:152 Resp: 318602
Ion Ratio Lower Upper
152 100
115 55.1 36.1 108.5
150 157.8 0.0 351.8

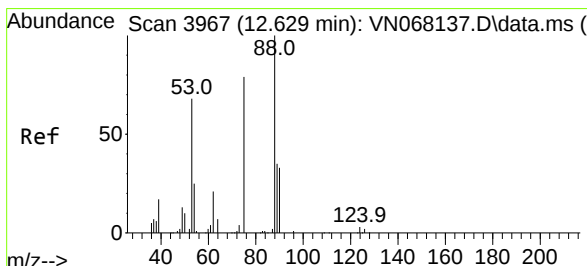
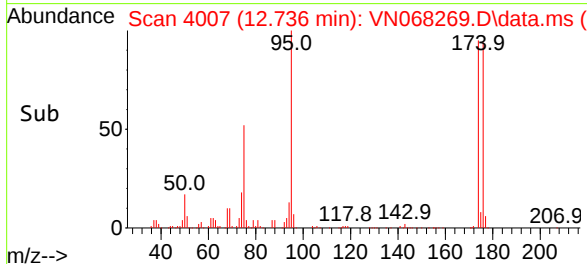
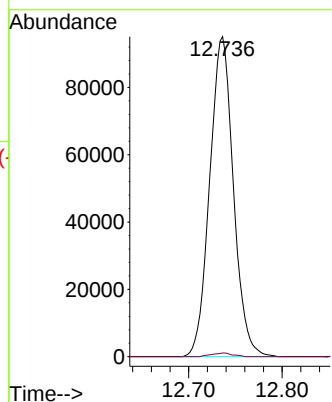
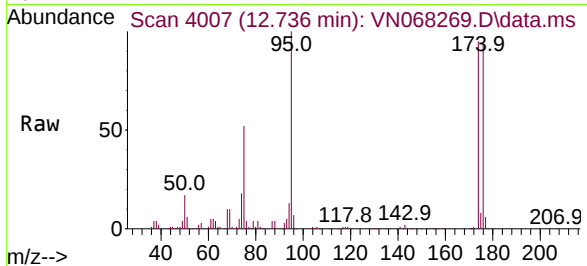




#76
1,2,3-Trichloropropane
Concen: 31.676 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.148 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

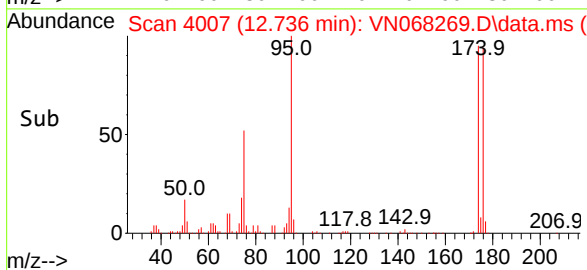
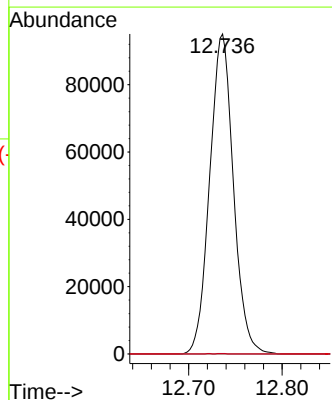
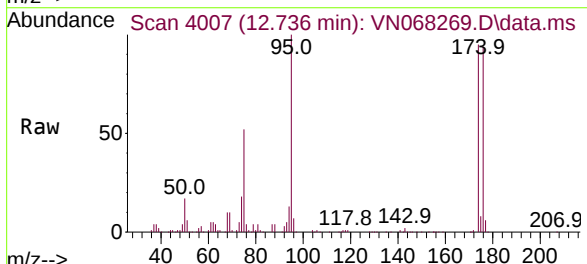
Instrument :
MSVOA_N
ClientSampled :

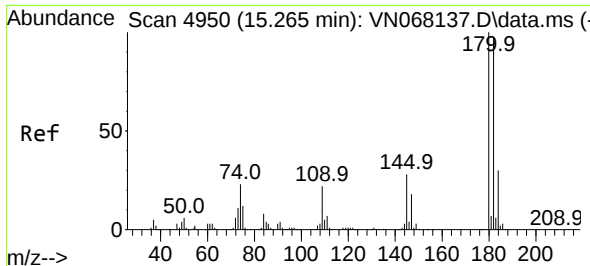
Tgt Ion: 75 Resp: 167740
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.776 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

Tgt Ion: 75 Resp: 167740
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

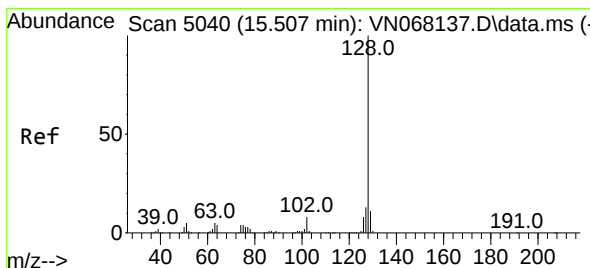
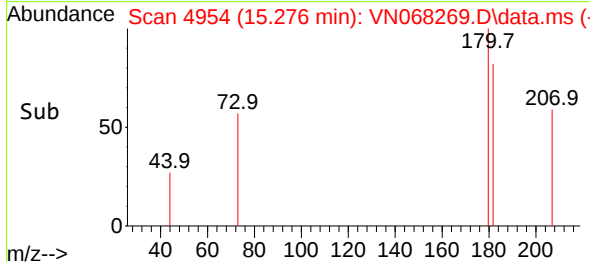
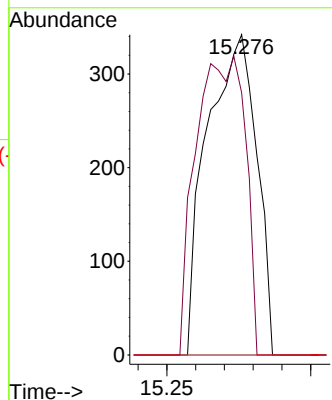
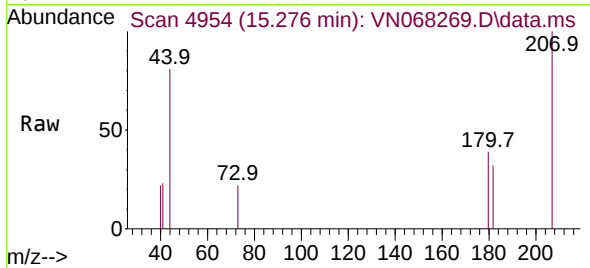




#93
1,2,4-Trichlorobenzene
Concen: 2.757 ug/l
RT: 15.276 min Scan# 4954
Delta R.T. 0.011 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

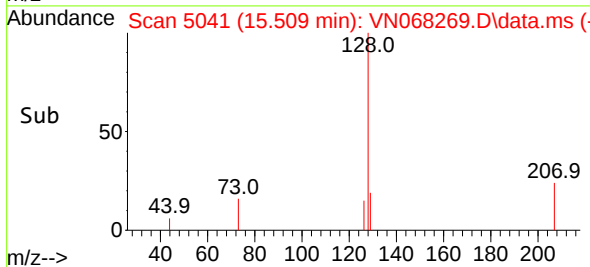
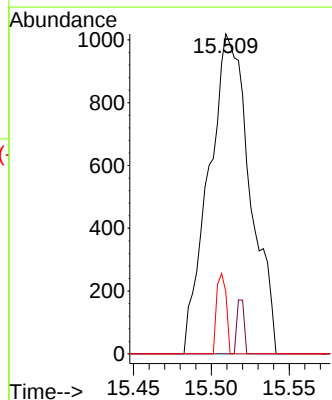
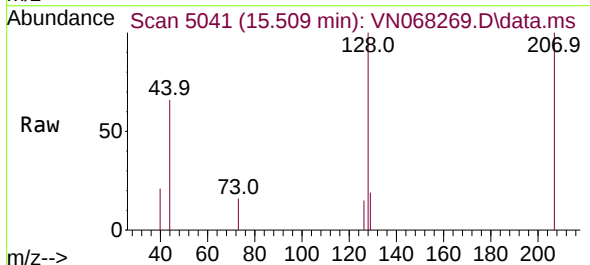
Instrument :
MSVOA_N
ClientSampled :

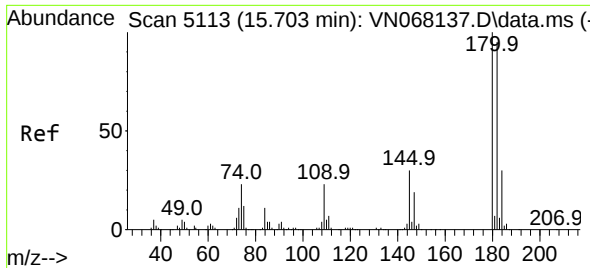
Tgt Ion:180 Resp: 407
Ion Ratio Lower Upper
180 100
182 93.1 47.5 142.5
145 0.0 17.2 51.6#



#95
Naphthalene
Concen: 3.485 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068269.D
Acq: 23 Aug 2021 15:18

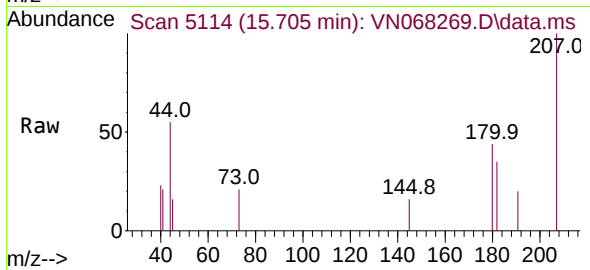
Tgt Ion:128 Resp: 1880
Ion Ratio Lower Upper
128 100
127 2.9 10.6 15.8#
129 5.8 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.938 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.002 min
 Lab File: VN068269.D
 Acq: 23 Aug 2021 15:18

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 570
 Ion Ratio Lower Upper
 180 100
 182 92.5 47.8 143.3
 145 9.3 18.2 54.6#

