

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082321\
 Data File : VN068274.D
 Acq On : 23 Aug 2021 17:22
 Operator : JC/MD
 Sample : PB138622ZHE#06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 24 03:55:13 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)

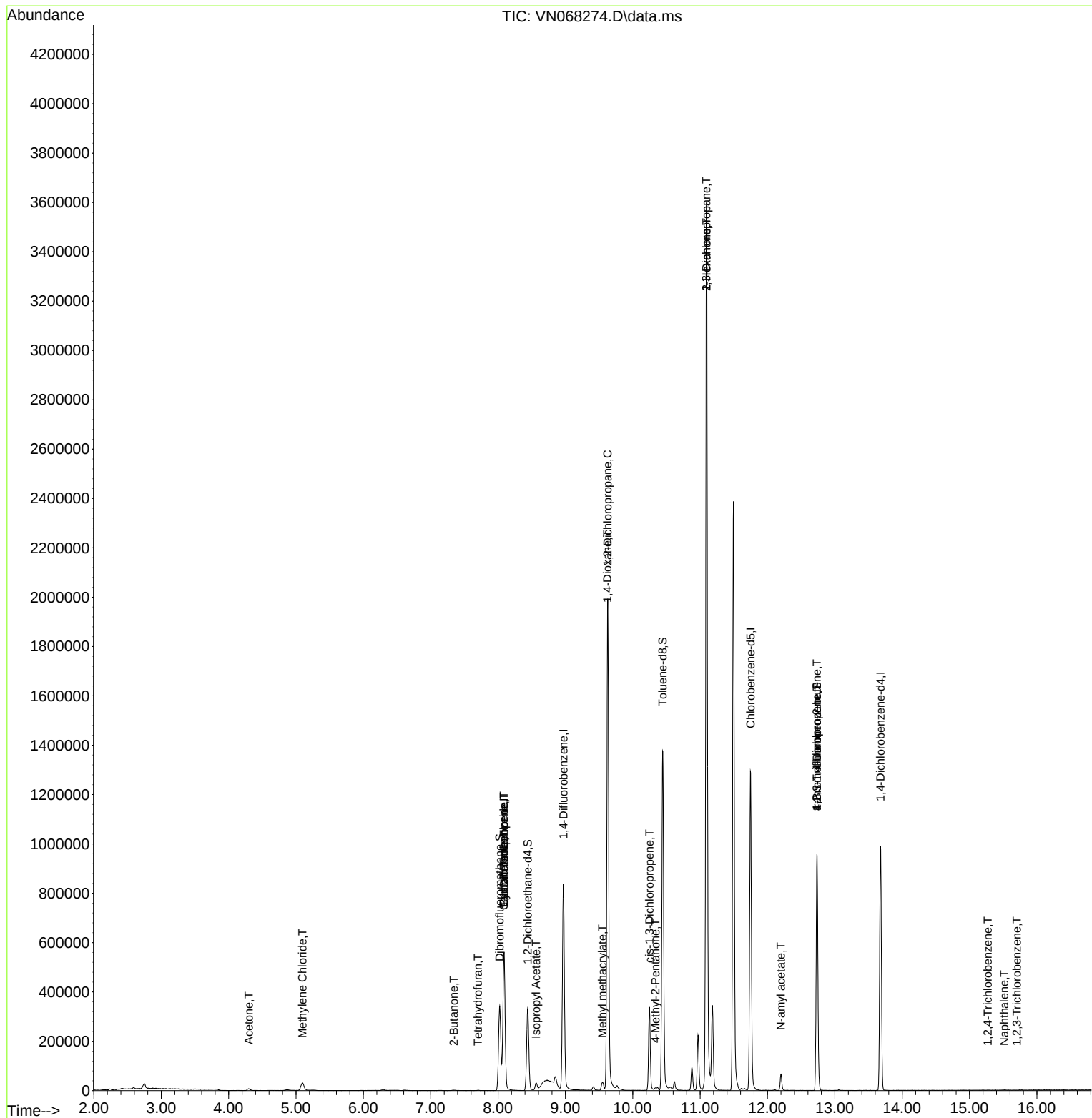
Internal Standards						
1) Pentafluorobenzene	8.088	168	460802	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	795615	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	842031	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	305856	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	279327	56.773	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 113.540%			
35) Dibromofluoromethane	8.024	113	252586	50.567	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.140%			
50) Toluene-d8	10.443	98	1020607	53.623	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 107.240%			
62) 4-Bromofluorobenzene	12.733	95	329035	51.931	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.860%			
Target Compounds					Qvalue	
5) Bromomethane	2.842	94	49	Below Cal	#	4
6) Chloroethane	2.874	64	50	Below Cal	#	44
13) Acrolein	4.052	56	132	Below Cal	#	69
16) Acetone	4.299	43	13854	9.644	ug/l #	80
18) Methyl Acetate	4.864	43	7451	Below Cal	#	88
20) Methylene Chloride	5.095	84	26508	4.745	ug/l	87
25) 2-Butanone	7.343	43	1110	0.496	ug/l	94
29) Tetrahydrofuran	7.702	42	377	0.263	ug/l #	76
31) Cyclohexane	8.088	56	8194	1.264	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	30651	4.713	ug/l #	54
38) Carbon Tetrachloride	8.085	117	44821	5.975	ug/l #	16
43) Isopropyl Acetate	8.566	43	37200	4.191	ug/l #	90
45) 1,2-Dichloropropane	9.625	63	2524	0.541	ug/l #	44
48) Methyl methacrylate	9.550	41	8249	2.230	ug/l #	12
49) 1,4-Dioxane	9.622	88	413	4.620	ug/l #	1
51) 4-Methyl-2-Pentanone	10.338	43	6595	1.210	ug/l	97
54) cis-1,3-Dichloropropene	10.247	75	64575	8.573	ug/l #	58
57) 1,3-Dichloropropane	11.092	76	41912	5.032	ug/l #	43
59) 2-Hexanone	11.095	43	516020	136.310	ug/l #	57
74) N-amyl acetate	12.197	43	19315	3.410	ug/l #	59
76) 1,2,3-Trichloropropane	12.733	75	164321	32.323	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	164321	105.897	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.271	180	25	2.690	ug/l #	1
95) Naphthalene	15.515	128	896	3.414	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.702	180	57	2.842	ug/l #	12

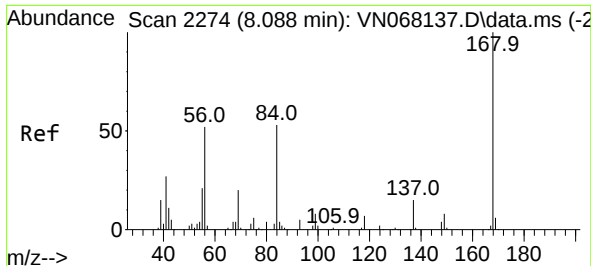
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :

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Quant Title : SW846 8260
QLast Update : Tue Aug 17 13:09:49 2021
Response via : Initial Calibration

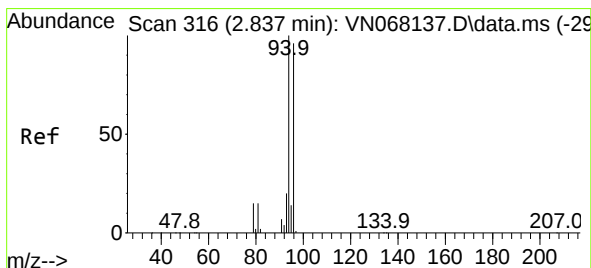
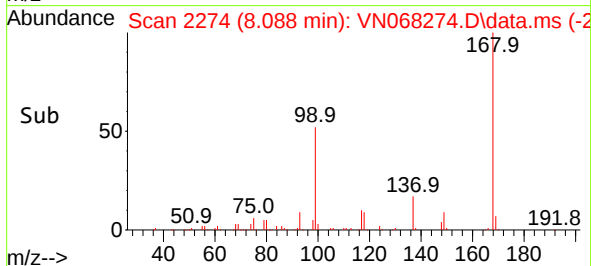
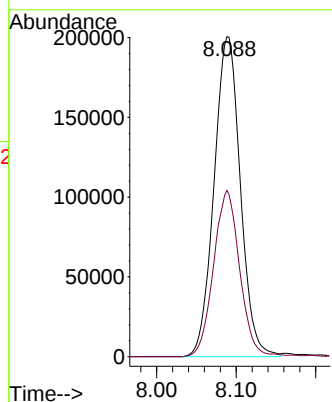
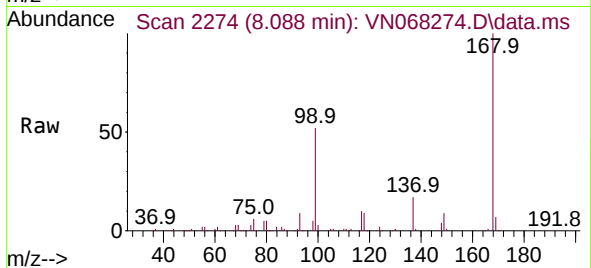




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068274.D
Acq: 23 Aug 2021 17:22

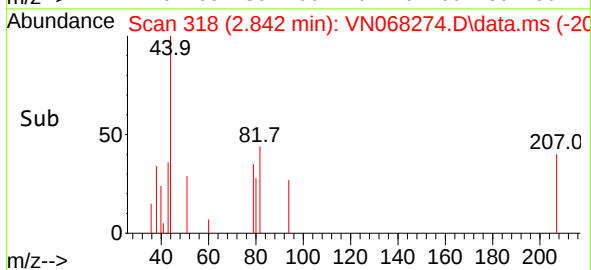
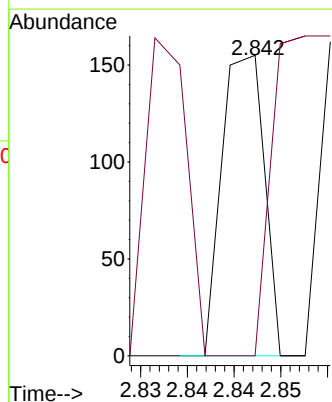
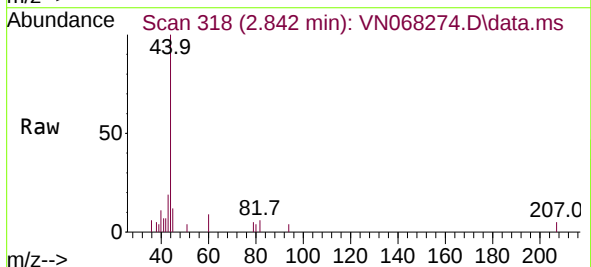
Instrument :
MSVOA_N
ClientSampled :

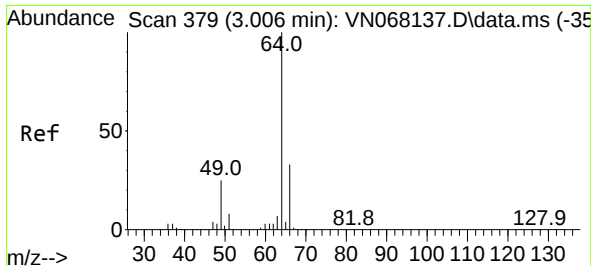
Tgt Ion:168 Resp: 460802
Ion Ratio Lower Upper
168 100
99 52.0 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.842 min Scan# 318
Delta R.T. 0.005 min
Lab File: VN068274.D
Acq: 23 Aug 2021 17:22

Tgt Ion: 94 Resp: 49
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

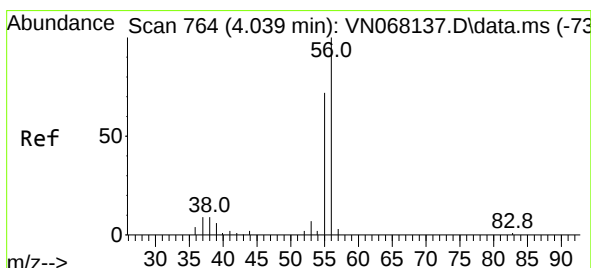
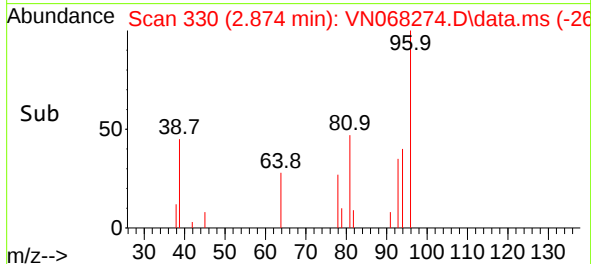
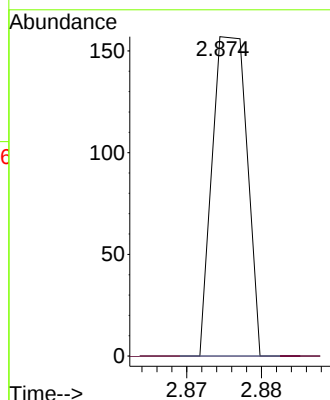
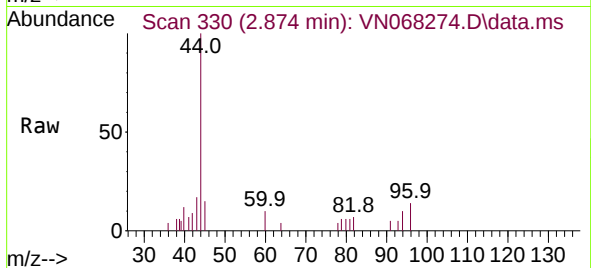




#6
Chloroethane
Concen: Below Cal
RT: 2.874 min Scan# 330
Delta R.T. -0.132 min
Lab File: VN068274.D
Acq: 23 Aug 2021 17:22

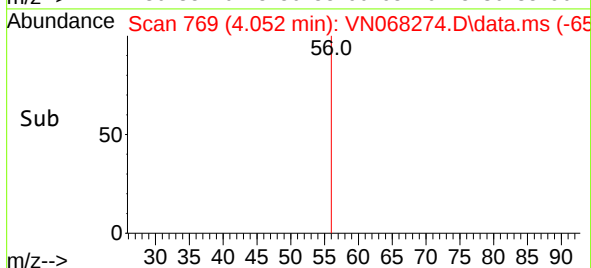
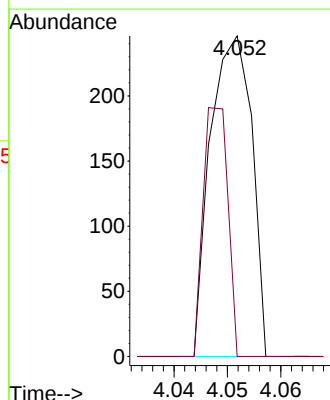
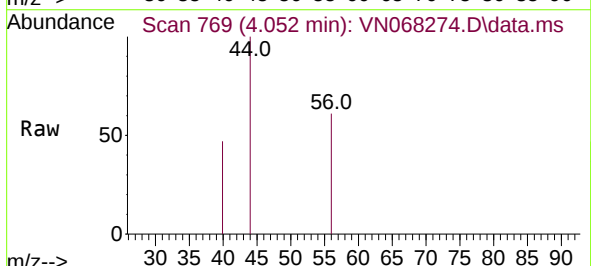
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 64 Resp: 50
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.052 min Scan# 769
Delta R.T. 0.013 min
Lab File: VN068274.D
Acq: 23 Aug 2021 17:22

Tgt Ion: 56 Resp: 132
Ion Ratio Lower Upper
56 100
55 46.2 57.4 86.0#

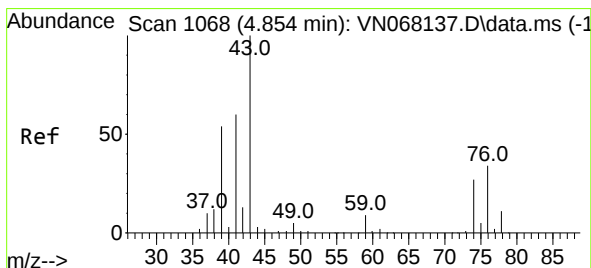
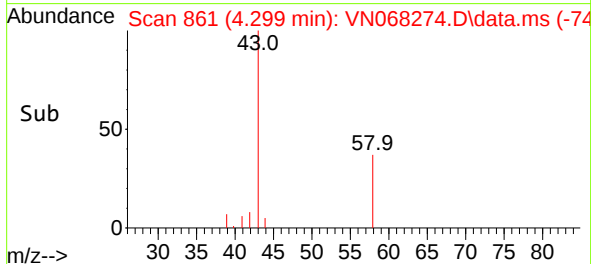
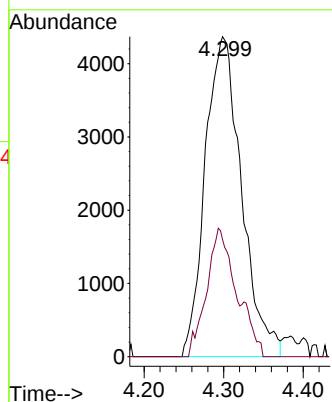
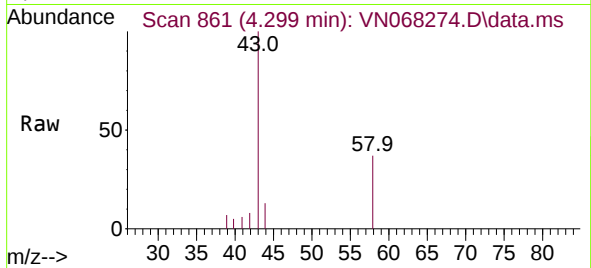




#16
Acetone
Concen: 9.644 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN068274.D
Acq: 23 Aug 2021 17:22

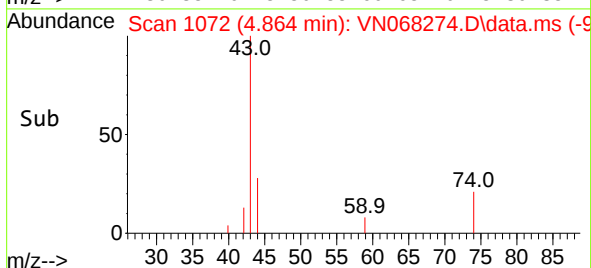
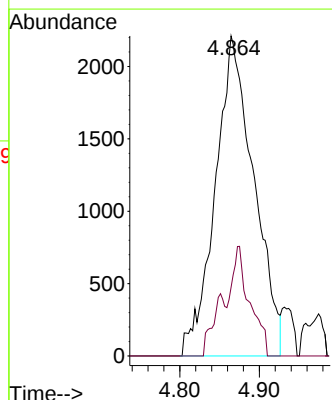
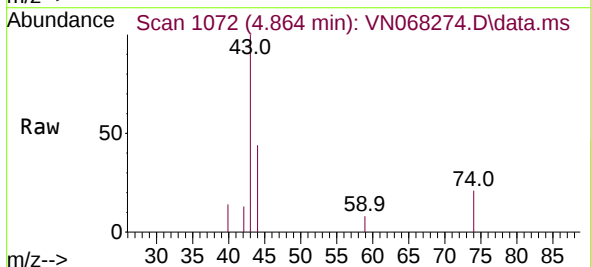
Instrument :
MSVOA_N
ClientSampled :

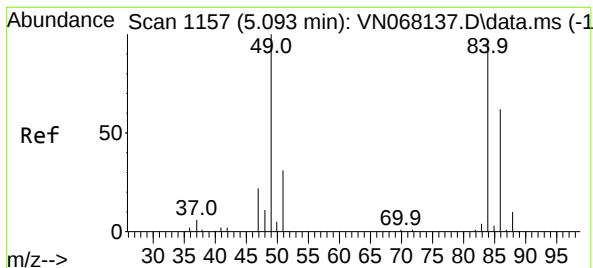
Tgt Ion: 43 Resp: 13854
Ion Ratio Lower Upper
43 100
58 36.6 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.864 min Scan# 1072
Delta R.T. 0.010 min
Lab File: VN068274.D
Acq: 23 Aug 2021 17:22

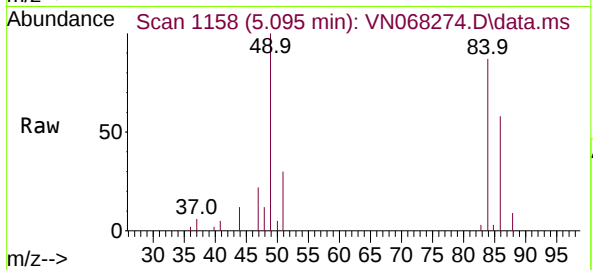
Tgt Ion: 43 Resp: 7451
Ion Ratio Lower Upper
43 100
74 16.2 17.4 26.0#



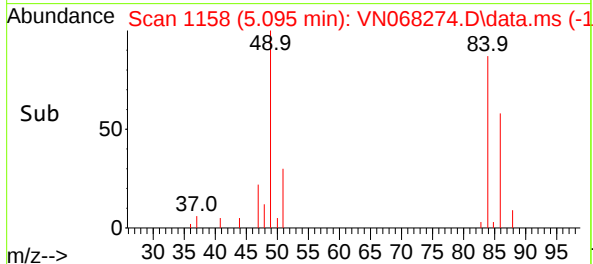
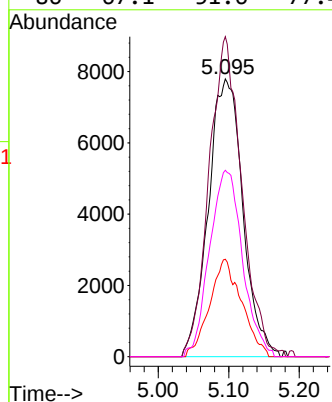


#20
Methylene Chloride
Concen: 4.745 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.002 min
Lab File: VN068274.D
Acq: 23 Aug 2021 17:22

Instrument :
MSVOA_N
ClientSampled :

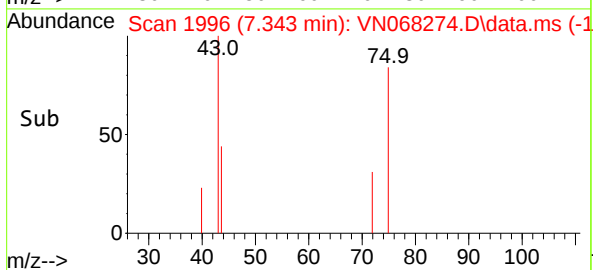
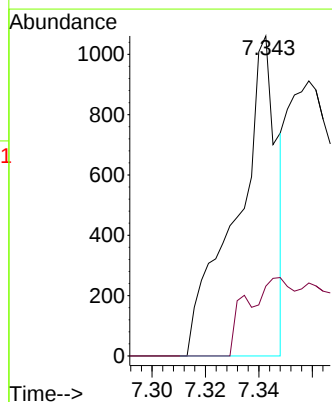
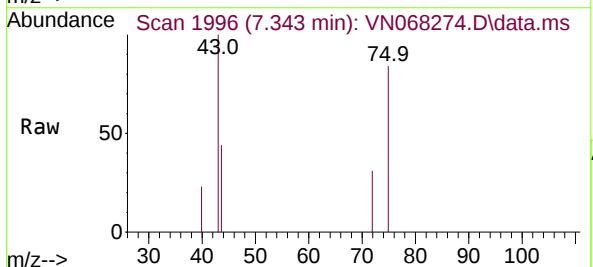


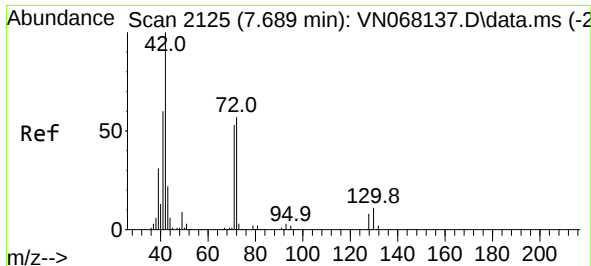
Tgt Ion:	84	Resp:	26508
Ion	Ratio	Lower	Upper
84	100		
49	115.2	110.9	166.3
51	35.1	32.6	49.0
86	67.1	51.6	77.4



#25
2-Butanone
Concen: 0.496 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.003 min
Lab File: VN068274.D
Acq: 23 Aug 2021 17:22

Tgt Ion:	43	Resp:	1110
Ion	Ratio	Lower	Upper
43	100		
72	21.8	19.7	29.5





#29

Tetrahydrofuran

Concen: 0.263 ug/l

RT: 7.702 min Scan# 2130

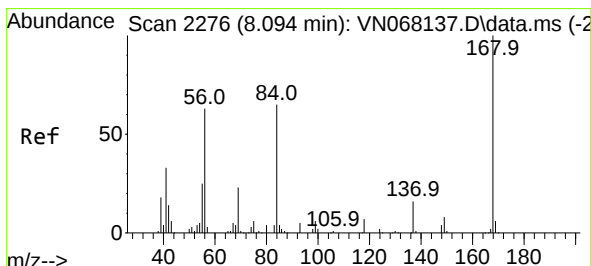
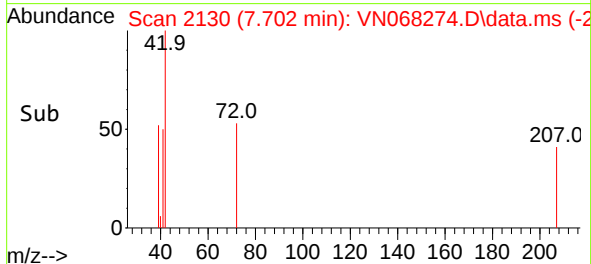
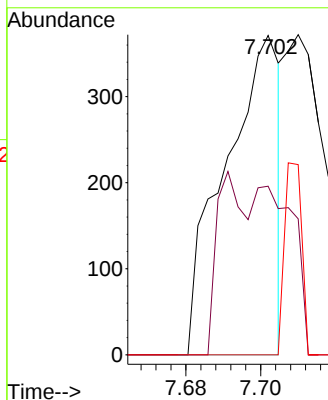
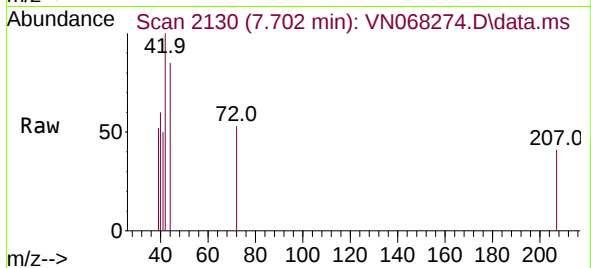
Delta R.T. 0.013 min

Lab File: VN068274.D

Acq: 23 Aug 2021 17:22

Tgt Ion:	42	Resp:	377
Ion	Ratio	Lower	Upper
42	100		
72	30.8	32.8	49.2#
71	18.8	31.2	46.8#

Instrument :
MSVOA_N
ClientSampled :



#31

Cyclohexane

Concen: 1.264 ug/l

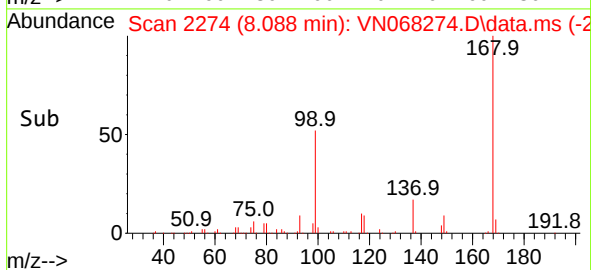
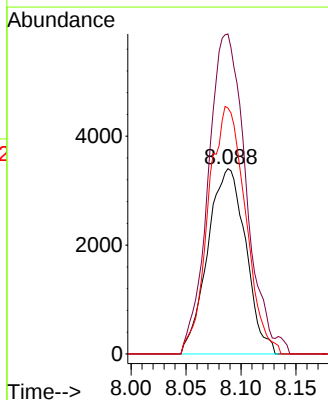
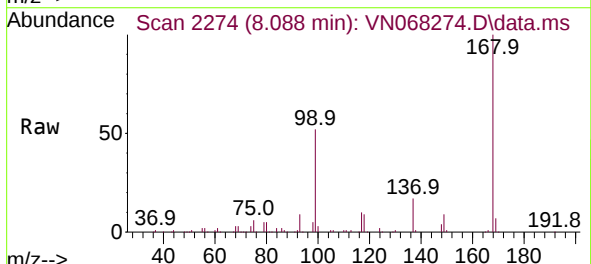
RT: 8.088 min Scan# 2274

Delta R.T. -0.006 min

Lab File: VN068274.D

Acq: 23 Aug 2021 17:22

Tgt Ion:	56	Resp:	8194
Ion	Ratio	Lower	Upper
56	100		
69	172.8	27.3	40.9#
84	132.8	64.9	97.3#

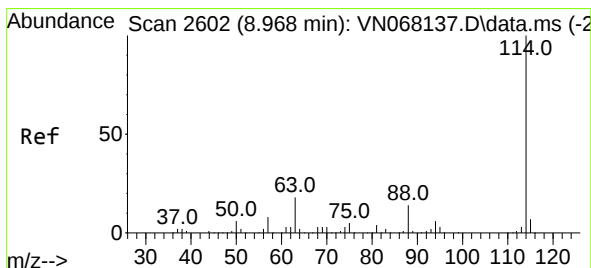
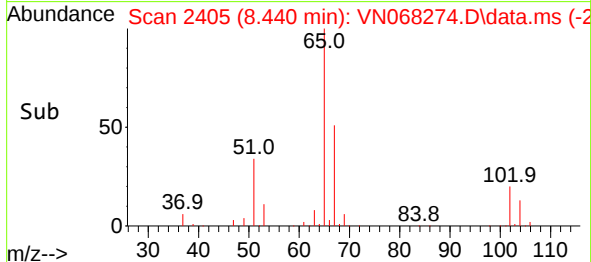
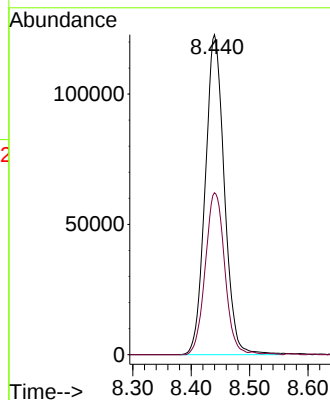
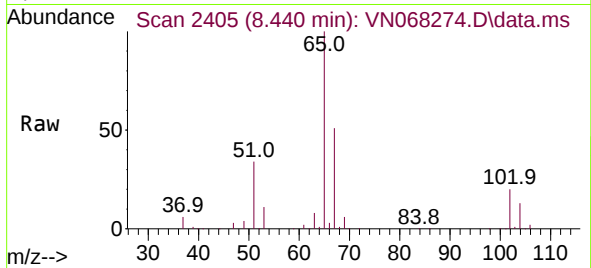




#33
 1,2-Dichloroethane-d4
 Concen: 56.773 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068274.D
 Acq: 23 Aug 2021 17:22

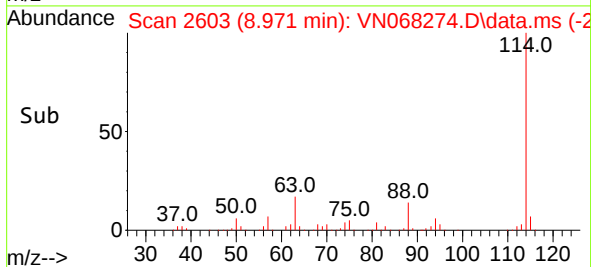
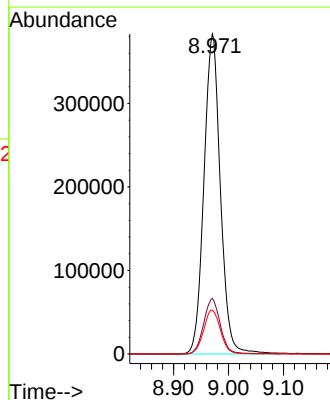
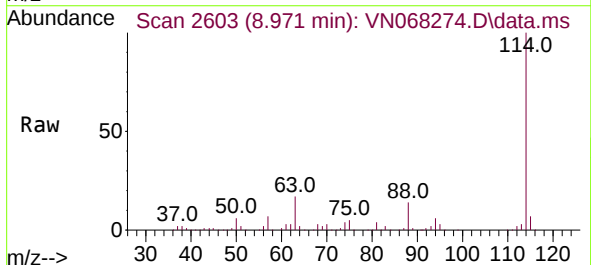
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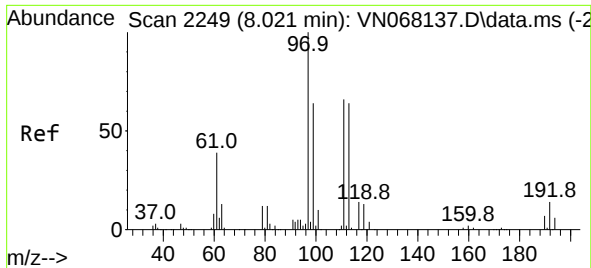
Tgt Ion: 65 Resp: 279327
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068274.D
 Acq: 23 Aug 2021 17:22

Tgt Ion: 114 Resp: 795615
 Ion Ratio Lower Upper
 114 100
 63 17.3 0.0 49.0
 88 13.7 0.0 36.6

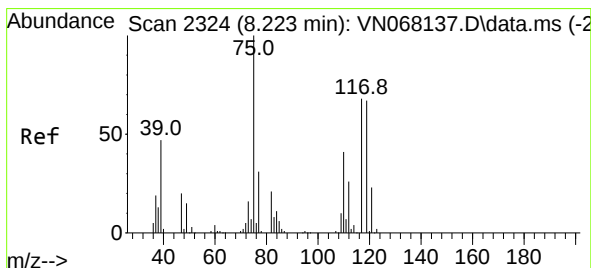
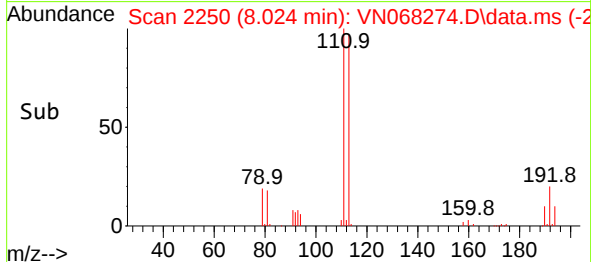
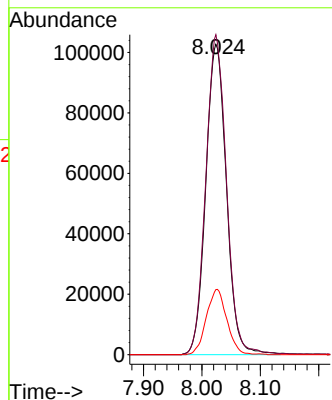
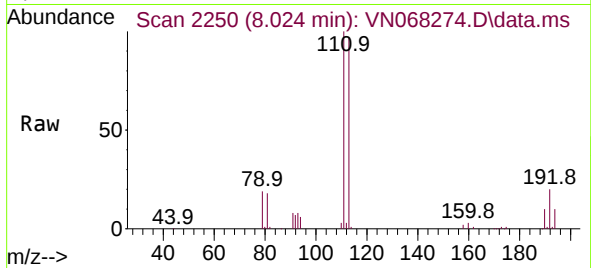




#35
Dibromofluoromethane
Concen: 50.567 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068274.D
Acq: 23 Aug 2021 17:22

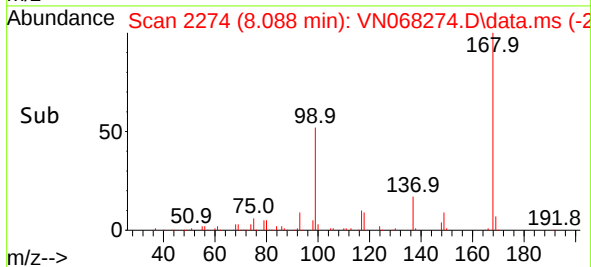
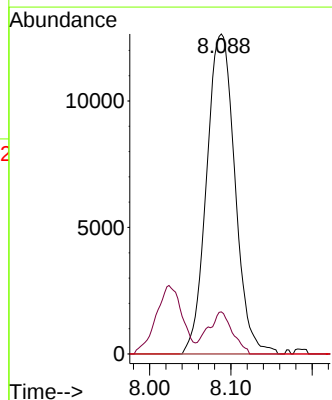
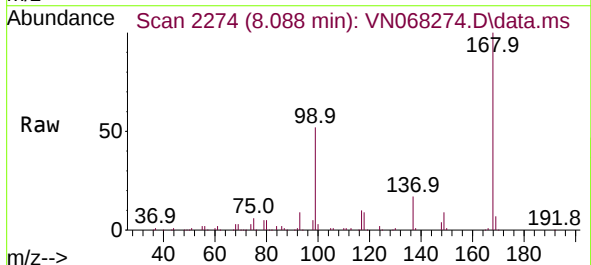
Instrument :
MSVOA_N
ClientSampled :

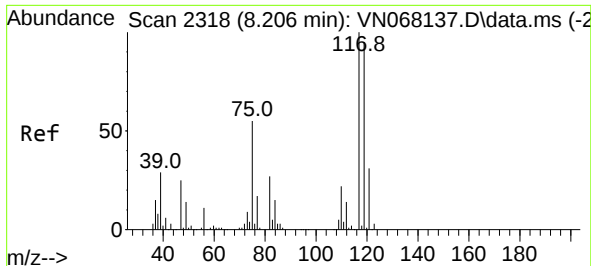
Tgt Ion:113 Resp: 252586
Ion Ratio Lower Upper
113 100
111 102.8 83.8 125.8
192 20.9 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.713 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068274.D
Acq: 23 Aug 2021 17:22

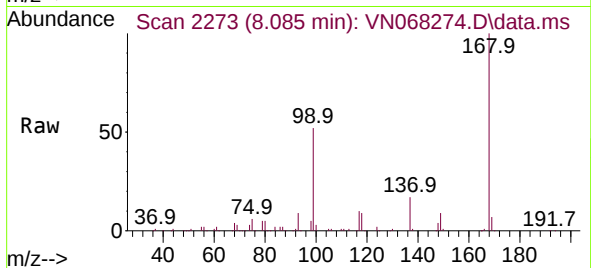
Tgt Ion: 75 Resp: 30651
Ion Ratio Lower Upper
75 100
110 11.6 15.7 47.0#
77 0.0 24.6 37.0#



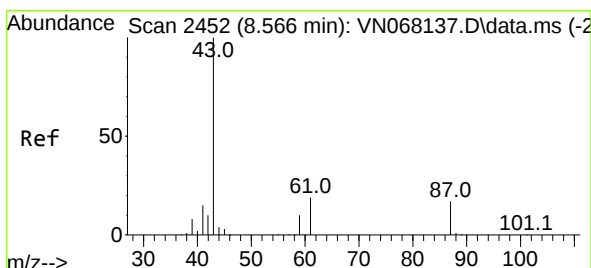
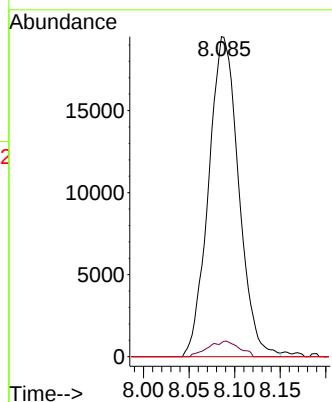
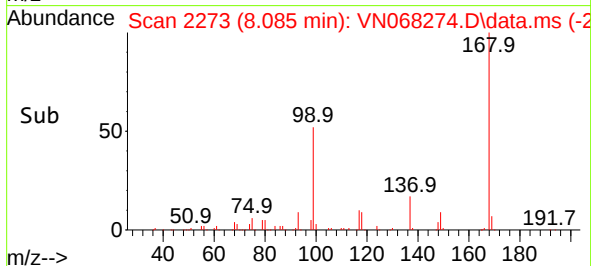


#38
Carbon Tetrachloride
Concen: 5.975 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN068274.D
Acq: 23 Aug 2021 17:22

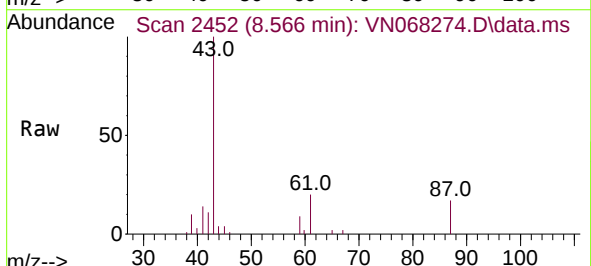
Instrument :
MSVOA_N
ClientSampled :



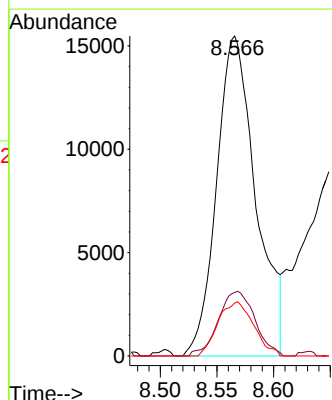
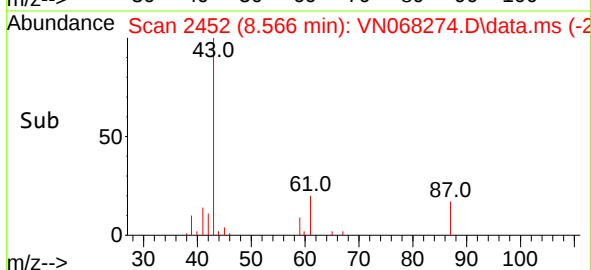
Tgt Ion:117 Resp: 44821
Ion Ratio Lower Upper
117 100
119 4.4 75.4 113.2#
121 0.0 23.5 35.3#

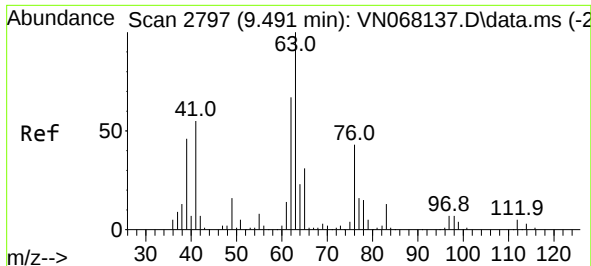


#43
Isopropyl Acetate
Concen: 4.191 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068274.D
Acq: 23 Aug 2021 17:22



Tgt Ion: 43 Resp: 37200
Ion Ratio Lower Upper
43 100
61 18.9 19.0 28.4#
87 15.4 9.5 14.3#

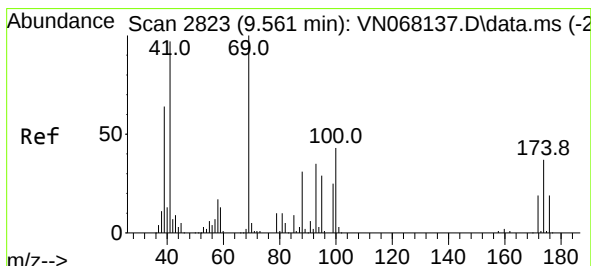
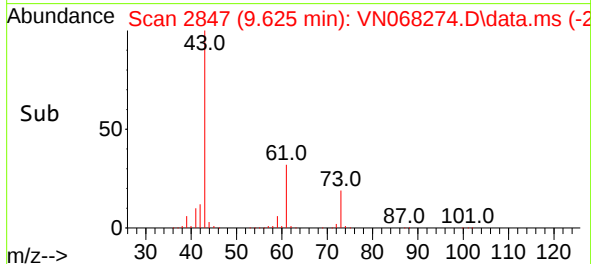
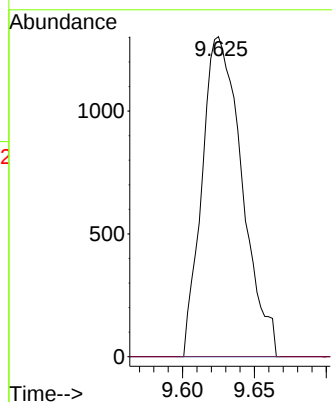
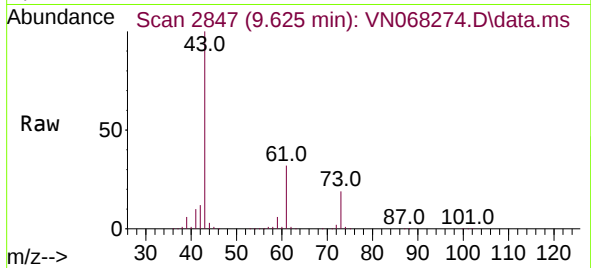




#45
1,2-Dichloropropane
Concen: 0.541 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068274.D
Acq: 23 Aug 2021 17:22

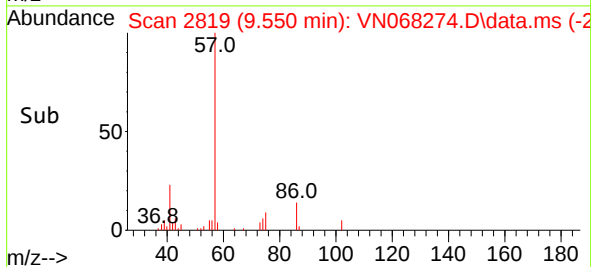
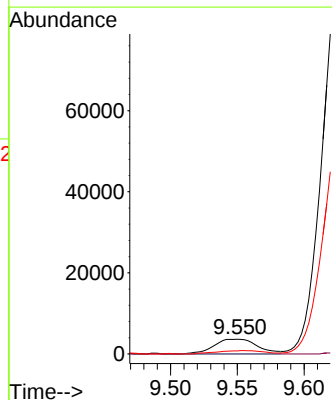
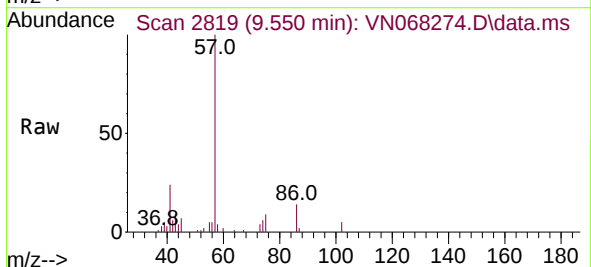
Instrument :
MSVOA_N
ClientSampled :

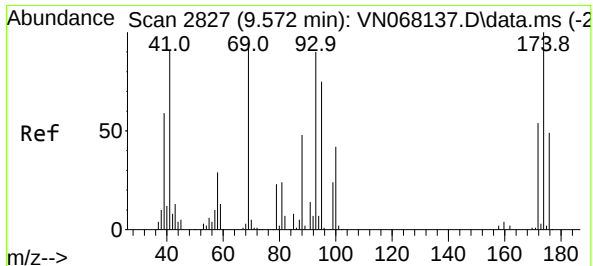
Tgt Ion: 63 Resp: 2524
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#48
Methyl methacrylate
Concen: 2.230 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN068274.D
Acq: 23 Aug 2021 17:22

Tgt Ion: 41 Resp: 8249
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: 4.620 ug/l

RT: 9.622 min Scan# 2846

Delta R.T. 0.050 min

Lab File: VN068274.D

Acq: 23 Aug 2021 17:22

Instrument :

MSVOA_N

ClientSampleId :

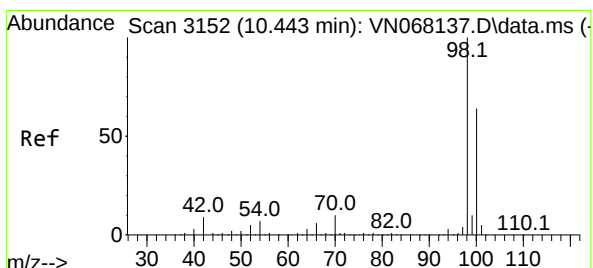
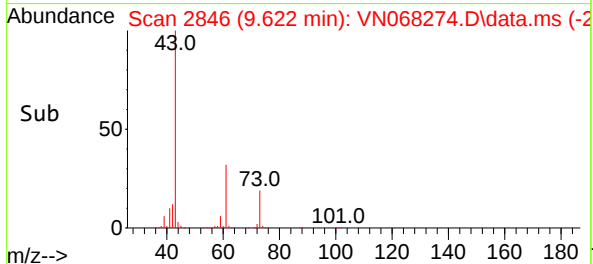
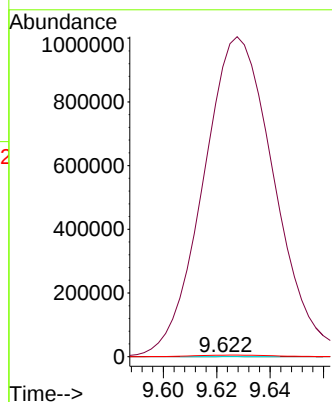
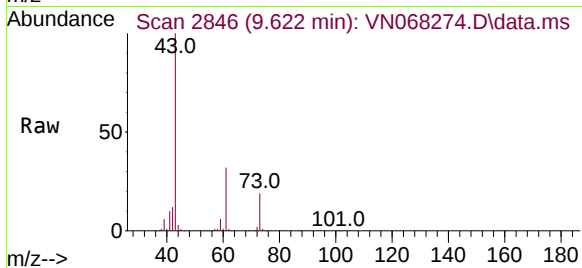
Tgt Ion: 88 Resp: 413

Ion Ratio Lower Upper

88 100

43 464087.7 28.8 43.2#

58 2610.4 60.4 90.6#



#50

Toluene-d8

Concen: 53.623 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. -0.000 min

Lab File: VN068274.D

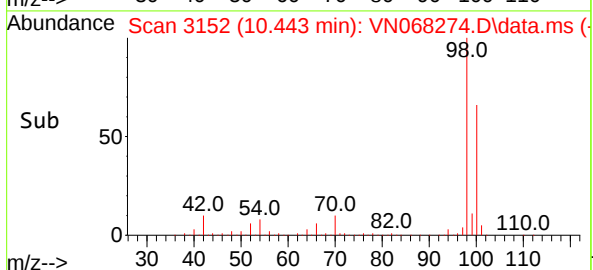
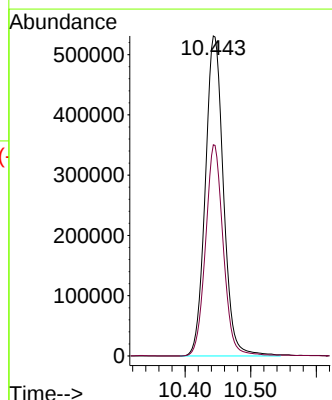
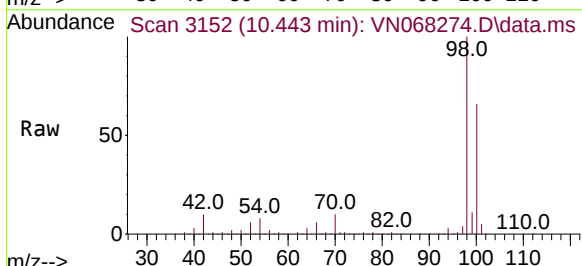
Acq: 23 Aug 2021 17:22

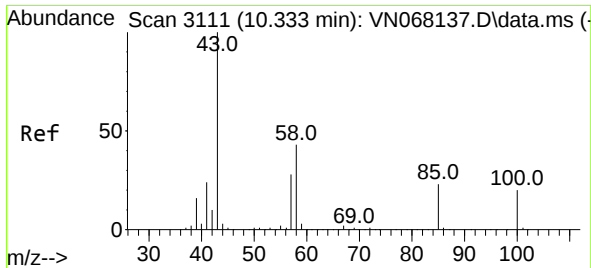
Tgt Ion: 98 Resp: 1020607

Ion Ratio Lower Upper

98 100

100 64.4 51.7 77.5

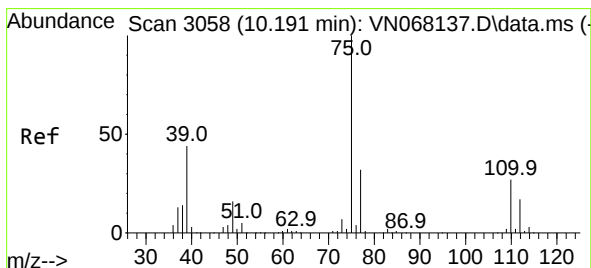
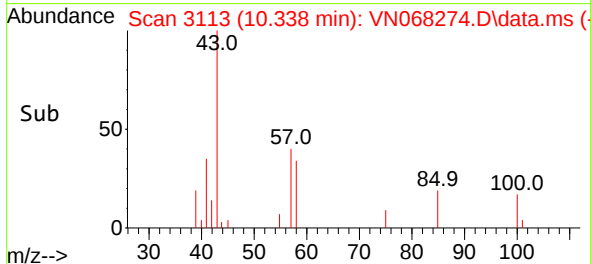
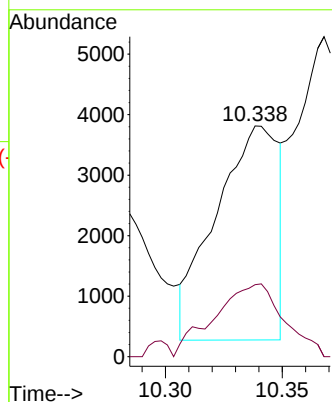
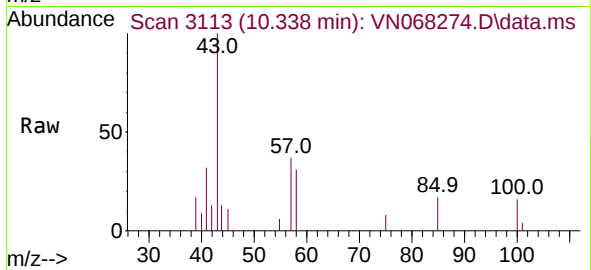




#51
4-Methyl-2-Pentanone
Concen: 1.210 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.005 min
Lab File: VN068274.D
Acq: 23 Aug 2021 17:22

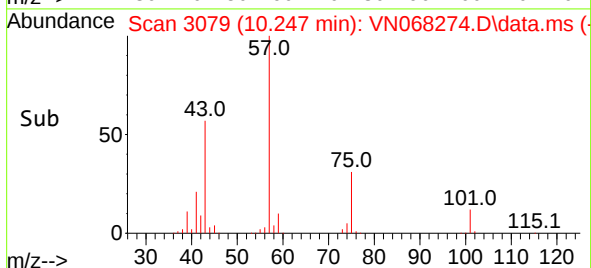
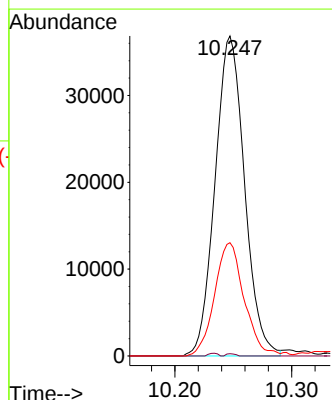
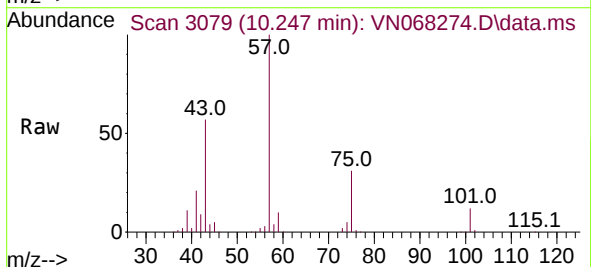
Instrument :
MSVOA_N
ClientSampled :

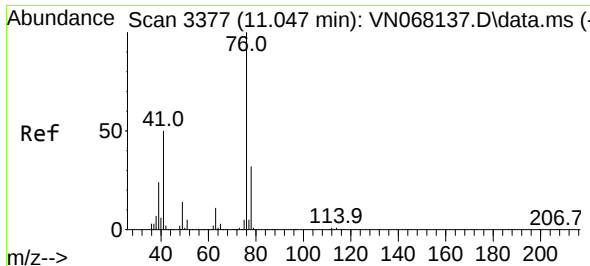
Tgt Ion: 43 Resp: 6595
Ion Ratio Lower Upper
43 100
58 37.7 28.6 43.0



#54
cis-1,3-Dichloropropene
Concen: 8.573 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068274.D
Acq: 23 Aug 2021 17:22

Tgt Ion: 75 Resp: 64575
Ion Ratio Lower Upper
75 100
77 0.7 24.6 37.0#
39 35.4 50.7 76.1#

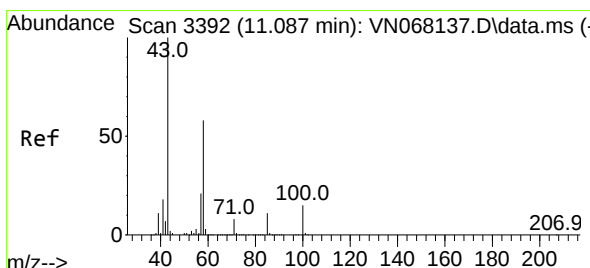
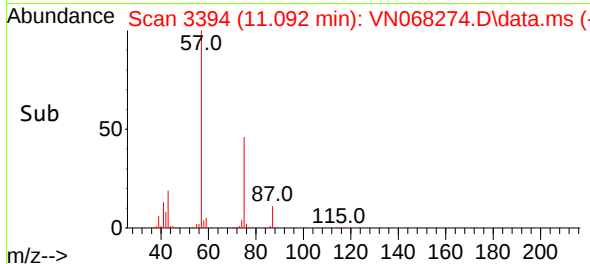
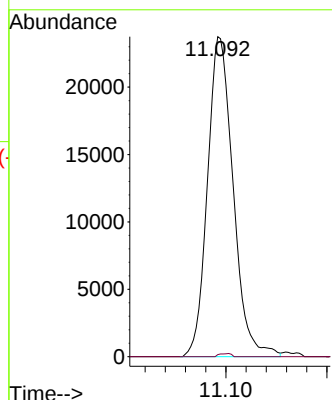
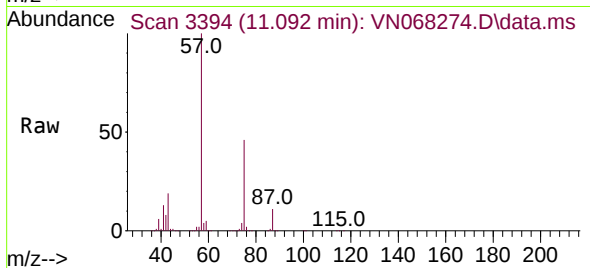




#57
1,3-Dichloropropane
Concen: 5.032 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068274.D
Acq: 23 Aug 2021 17:22

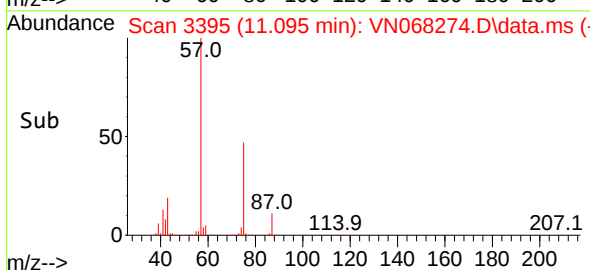
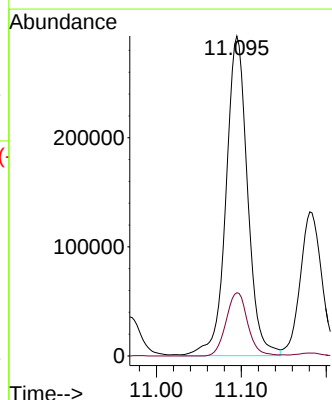
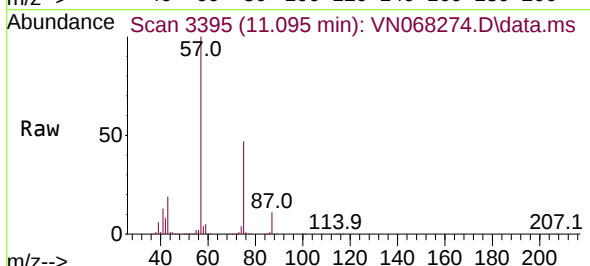
Instrument :
MSVOA_N
ClientSampleId :

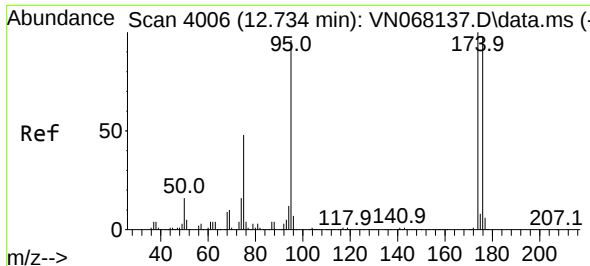
Tgt Ion: 76 Resp: 41912
Ion Ratio Lower Upper
76 100
78 0.5 25.7 38.5#



#59
2-Hexanone
Concen: 136.310 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068274.D
Acq: 23 Aug 2021 17:22

Tgt Ion: 43 Resp: 516020
Ion Ratio Lower Upper
43 100
58 20.0 24.7 74.1#

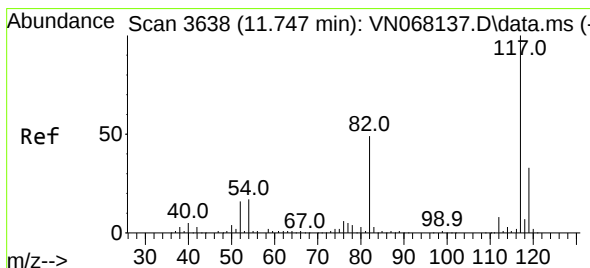
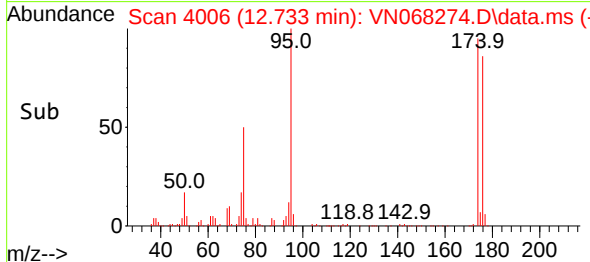
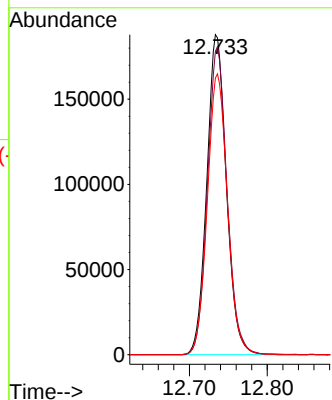
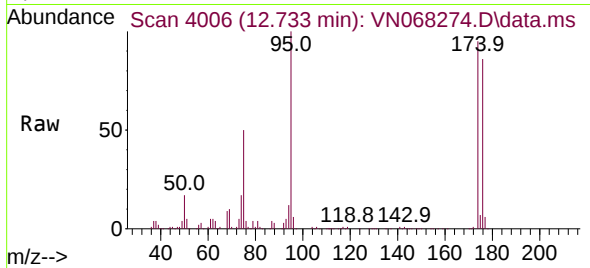




#62
4-Bromofluorobenzene
Concen: 51.931 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068274.D
Acq: 23 Aug 2021 17:22

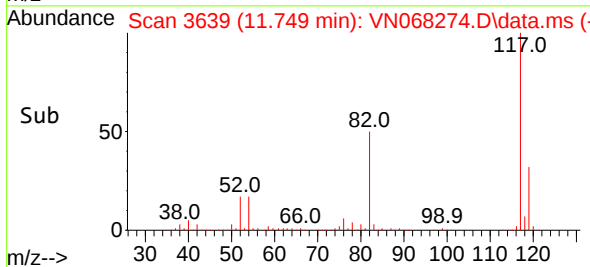
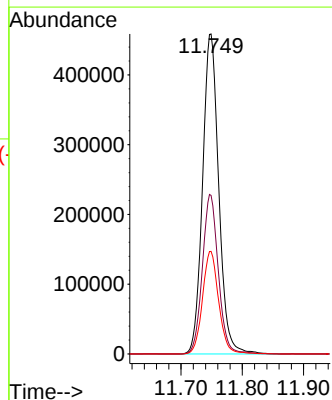
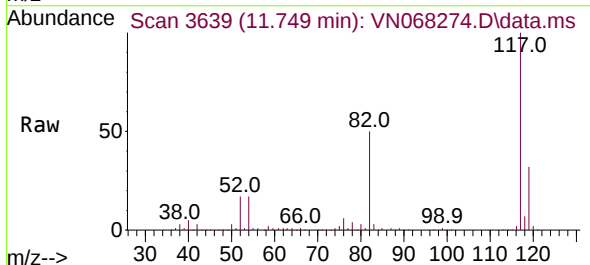
Instrument :
MSVOA_N
ClientSampleId :

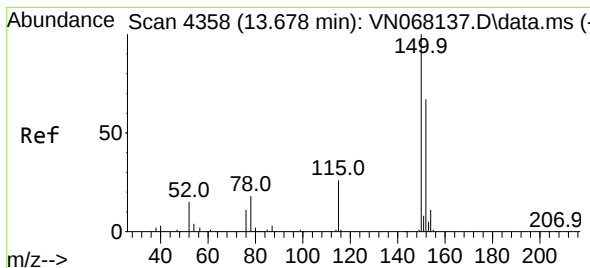
Tgt Ion: 95 Resp: 329035
Ion Ratio Lower Upper
95 100
174 96.5 0.0 122.0
176 90.1 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068274.D
Acq: 23 Aug 2021 17:22

Tgt Ion: 117 Resp: 842031
Ion Ratio Lower Upper
117 100
82 49.6 53.1 79.7#
119 32.0 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: VN068274.D

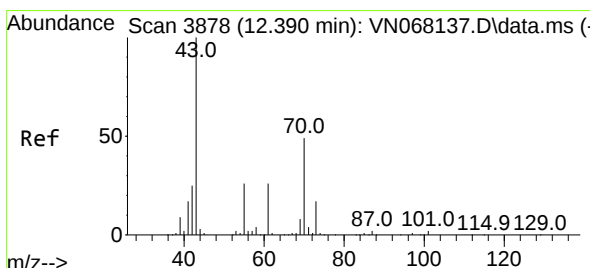
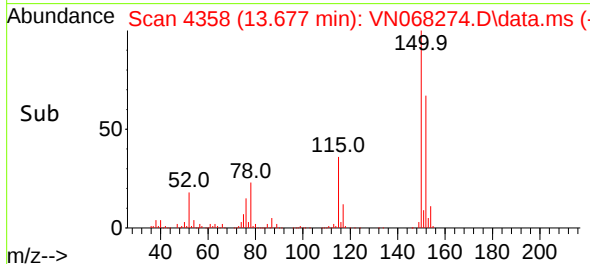
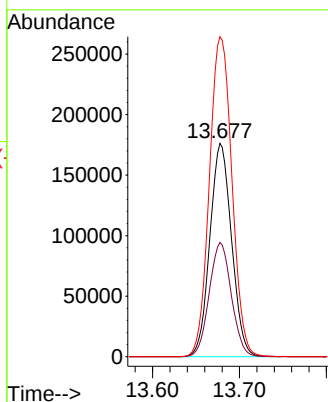
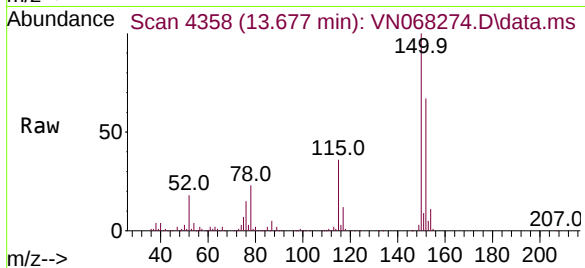
Acq: 23 Aug 2021 17:22

Instrument :

MSVOA_N

ClientSampleId :

Tgt Ion:	152	Resp:	305856
Ion	Ratio	Lower	Upper
152	100		
115	54.5	36.1	108.5
150	155.8	0.0	351.8



#74

N-ethyl acetate

Concen: 3.410 ug/l

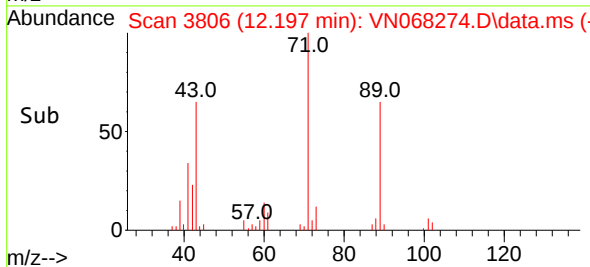
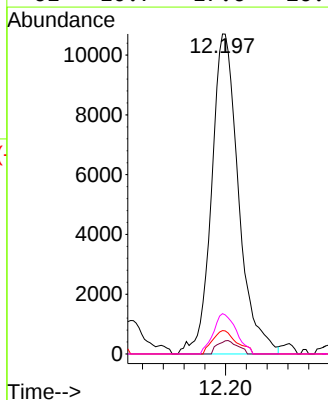
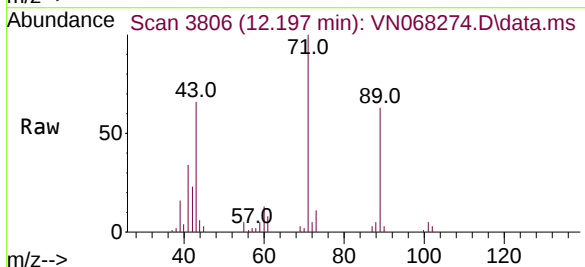
RT: 12.197 min Scan# 3806

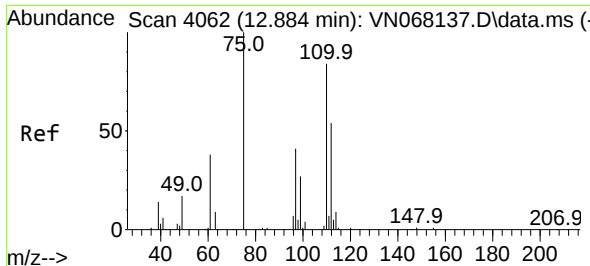
Delta R.T. -0.193 min

Lab File: VN068274.D

Acq: 23 Aug 2021 17:22

Tgt Ion:	43	Resp:	19315
Ion	Ratio	Lower	Upper
43	100		
70	3.1	29.4	44.2#
55	6.5	17.0	25.4#
61	10.7	17.6	26.4#

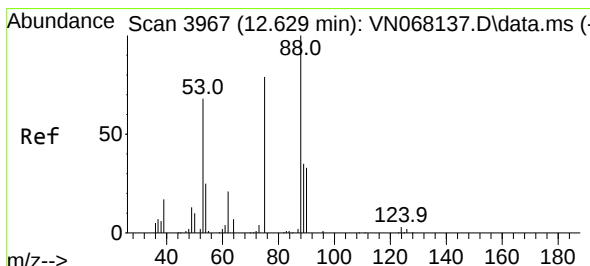
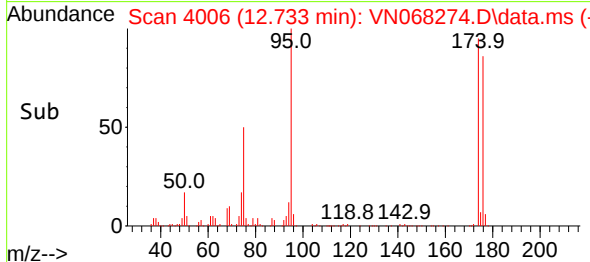
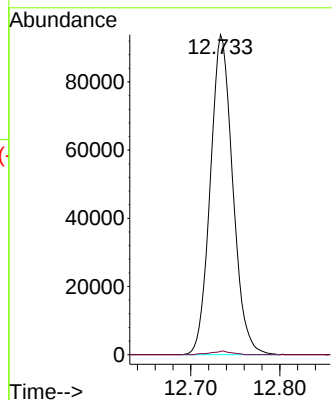
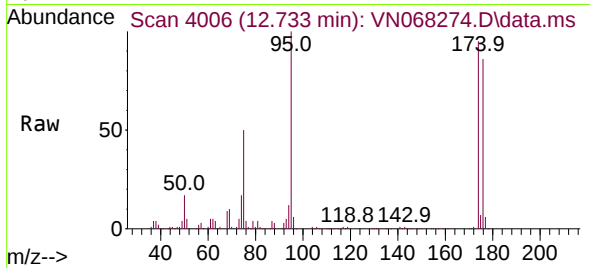




#76
1,2,3-Trichloropropane
Concen: 32.323 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068274.D
Acq: 23 Aug 2021 17:22

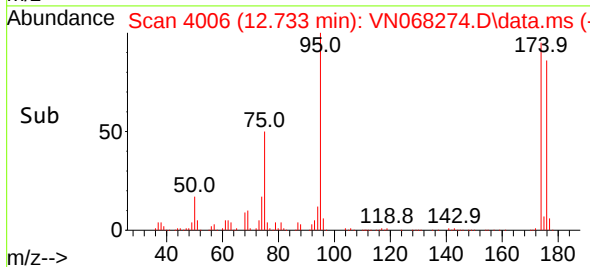
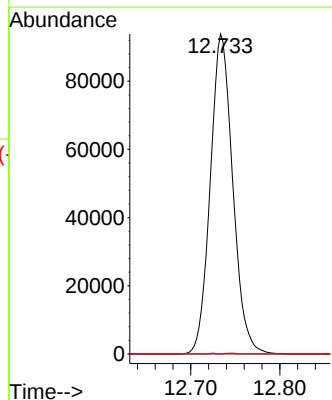
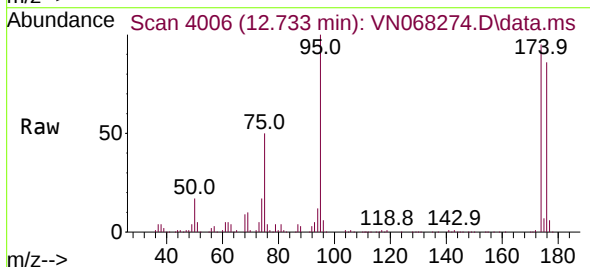
Instrument :
MSVOA_N
ClientSampled :

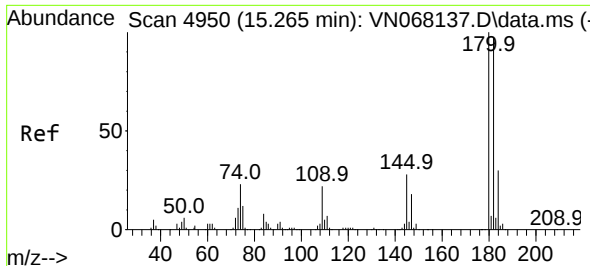
Tgt Ion: 75 Resp: 164321
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 105.897 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068274.D
Acq: 23 Aug 2021 17:22

Tgt Ion: 75 Resp: 164321
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

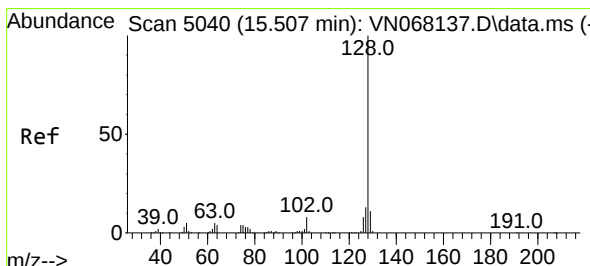
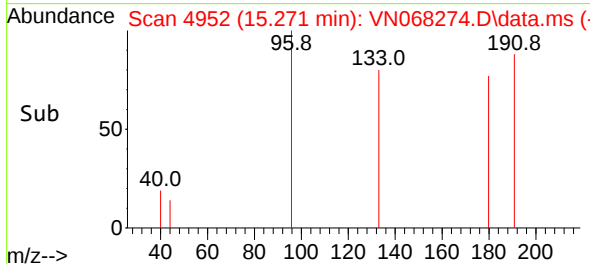
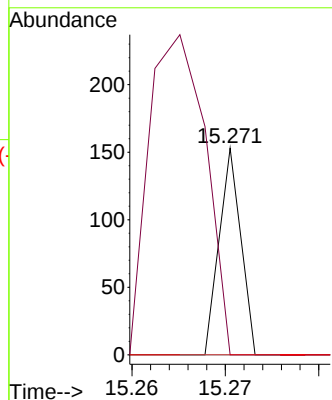
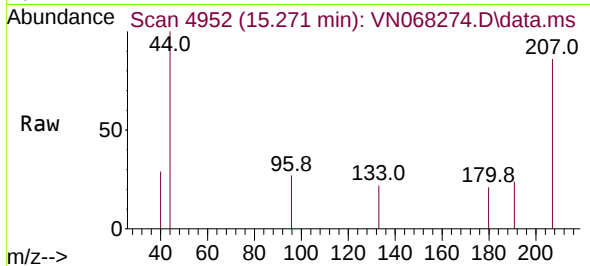




#93
1,2,4-Trichlorobenzene
Concen: 2.690 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.005 min
Lab File: VN068274.D
Acq: 23 Aug 2021 17:22

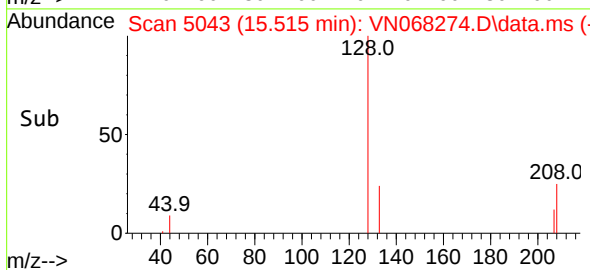
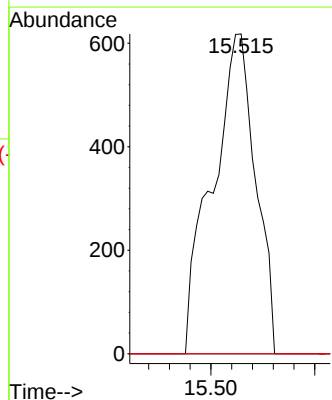
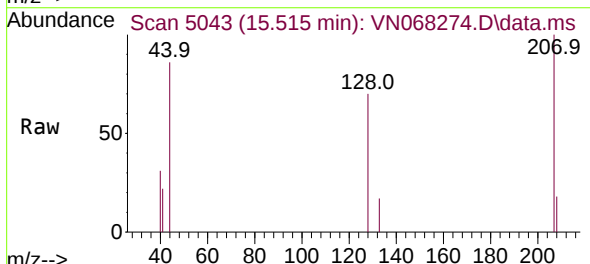
Instrument :
MSVOA_N
ClientSampled :

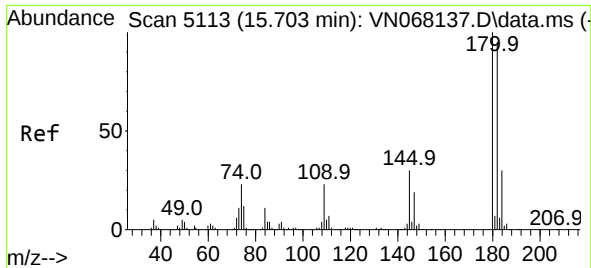
Tgt Ion:180 Resp: 25
Ion Ratio Lower Upper
180 100
182 396.0 47.5 142.5#
145 0.0 17.2 51.6#



#95
Naphthalene
Concen: 3.414 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN068274.D
Acq: 23 Aug 2021 17:22

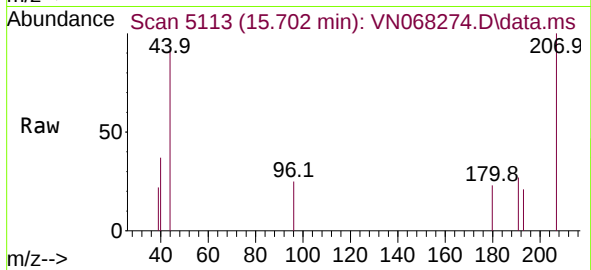
Tgt Ion:128 Resp: 896
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.842 ug/l
 RT: 15.702 min Scan# 5113
 Delta R.T. -0.001 min
 Lab File: VN068274.D
 Acq: 23 Aug 2021 17:22

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	180	Resp:	57
Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.8	143.3#
145	0.0	18.2	54.6#

