

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092321\
 Data File : VN068630.D
 Acq On : 23 Sep 2021 19:33
 Operator : JC/MD
 Sample : PB139243TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB139243TB

Quant Time: Sep 24 01:58:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 13:52:37 2021
 Response via : Initial Calibration

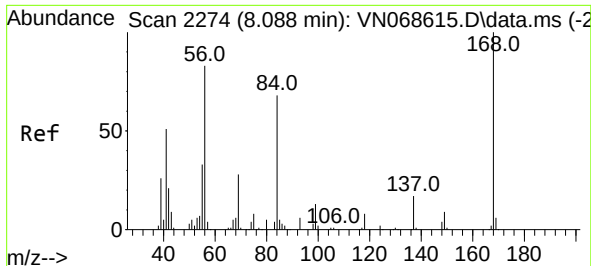
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.091	168	607480	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	1002456	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	947908	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	344817	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	521130	55.099	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 110.200%	
35) Dibromofluoromethane	8.024	113	354732	52.911	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 105.820%	
50) Toluene-d8	10.443	98	1475536	51.900	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 103.800%	
62) 4-Bromofluorobenzene	12.733	95	470044	48.342	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 96.680%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	2638	0.246	ug/l	90
5) Bromomethane	2.877	94	2416	Below Cal		99
10) Methyl Iodide	4.427	142	1967	0.253	ug/l	# 62
13) Acrolein	4.055	56	1328	9.644	ug/l	93
16) Acetone	4.291	43	146387	32.582	ug/l	98
20) Methylene Chloride	5.098	84	40482	3.797	ug/l	95
25) 2-Butanone	7.337	43	36461	6.307	ug/l	98
29) Tetrahydrofuran	7.691	42	3302	0.899	ug/l	# 81
31) Cyclohexane	8.088	56	16521	1.242	ug/l	# 23
36) 1,1-Dichloropropene	8.091	75	53883	5.322	ug/l	# 52
37) Ethyl Acetate	7.337	43	36461	3.172	ug/l	# 70
38) Carbon Tetrachloride	8.086	117	64277	6.147	ug/l	# 17
43) Isopropyl Acetate	8.563	43	76369	3.884	ug/l	# 89
45) 1,2-Dichloropropane	9.630	63	4420	0.565	ug/l	# 44
48) Methyl methacrylate	9.545	41	17452	1.943	ug/l	# 13
49) 1,4-Dioxane	9.628	88	738	5.633	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.336	43	21582	1.815	ug/l	97
54) cis-1,3-Dichloropropene	10.245	75	102308	8.276	ug/l	# 62
56) Ethyl methacrylate	10.757	69	429	0.738	ug/l	# 19
57) 1,3-Dichloropropane	11.092	76	67760	5.317	ug/l	# 43
58) 2-Chloroethyl Vinyl ether	10.041	63	63	12.037	ug/l	# 50
59) 2-Hexanone	11.092	43	1180154	138.011	ug/l	# 51
74) N-amyl acetate	12.393	43	2859	0.217	ug/l	# 95
76) 1,2,3-Trichloropropane	12.733	75	264322	31.002	ug/l	# 100
80) 1,3,5-Trimethylbenzene	13.063	105	4956	0.204	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.733	75	264322	87.574	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.265	180	3685	0.637	ug/l	92
95) Naphthalene	15.509	128	19934	2.759	ug/l	98
96) 1,2,3-Trichlorobenzene	15.700	180	4440	0.785	ug/l	95

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

Quant Time: Sep 24 01:58:43 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092321W.M
Quant Title : SW846 8260
QLast Update : Thu Sep 23 13:52:37 2021
Response via : Initial Calibration

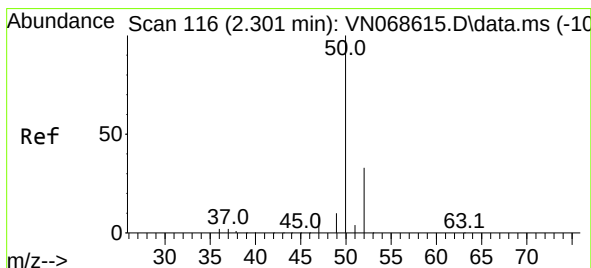
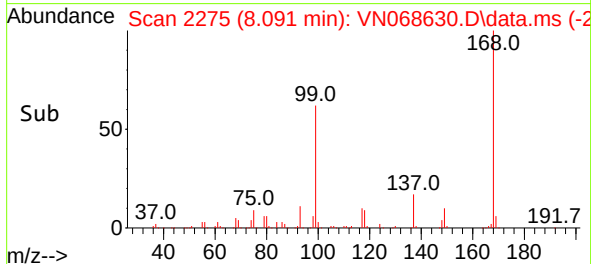
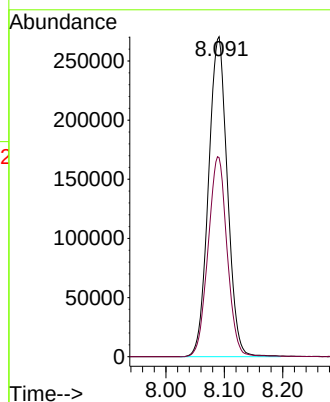
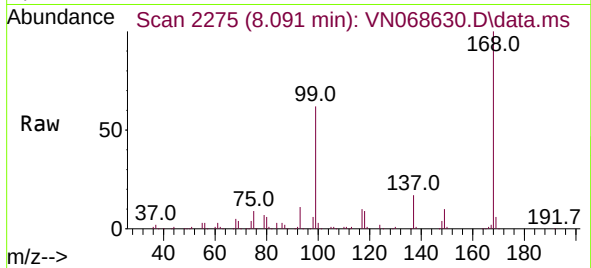




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.003 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

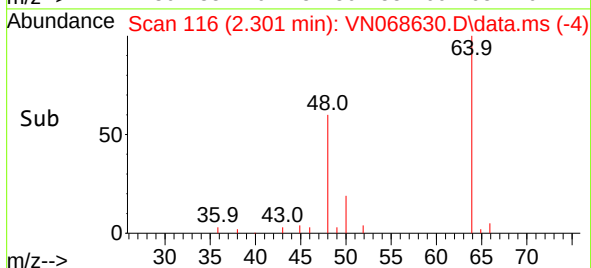
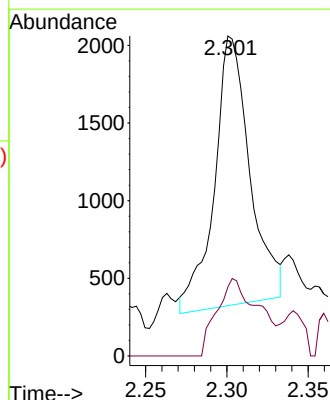
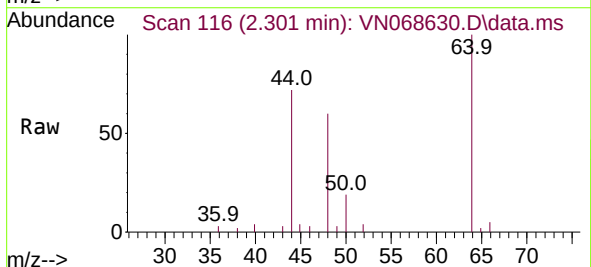
Instrument :
MSVOA_N
ClientSampleId :
PB139243TB

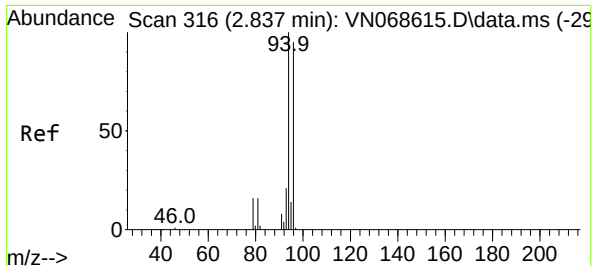
Tgt Ion:168 Resp: 607480
Ion Ratio Lower Upper
168 100
99 62.2 62.9 94.3#



#3
Chloromethane
Concen: 0.246 ug/l
RT: 2.301 min Scan# 116
Delta R.T. -0.000 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

Tgt Ion: 50 Resp: 2638
Ion Ratio Lower Upper
50 100
52 26.4 25.6 38.4

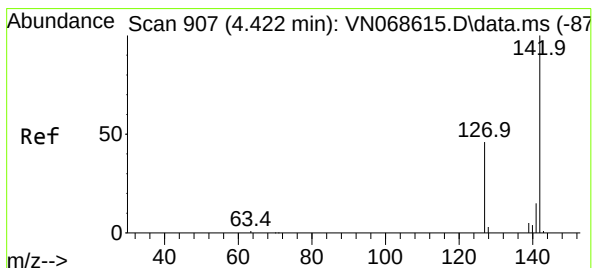
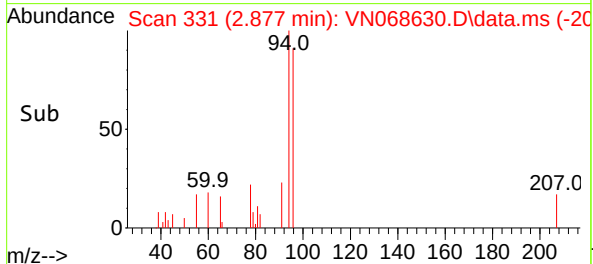
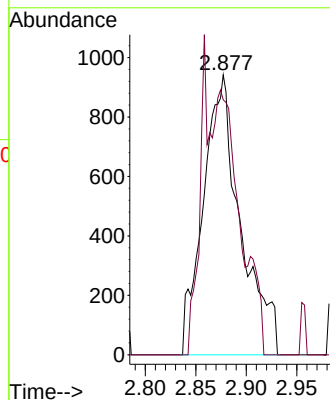
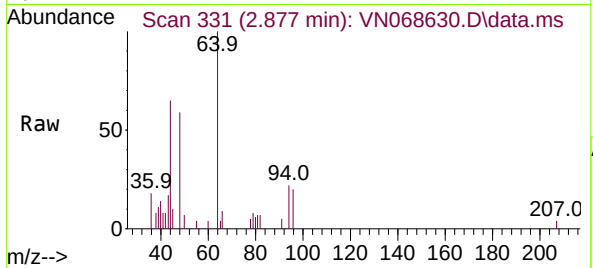




#5
Bromomethane
Concen: Below Cal
RT: 2.877 min Scan# 331
Delta R.T. 0.040 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

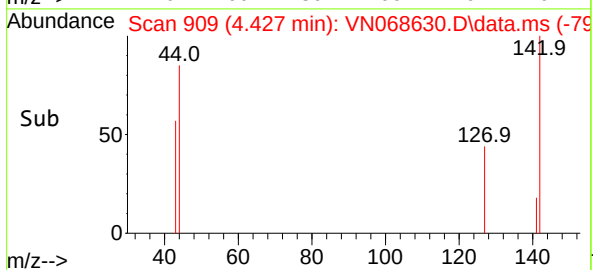
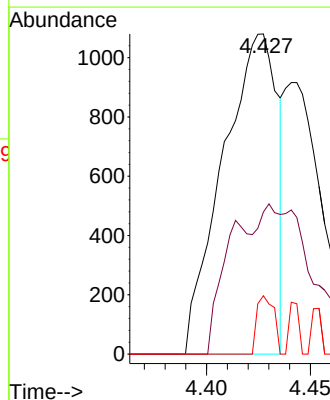
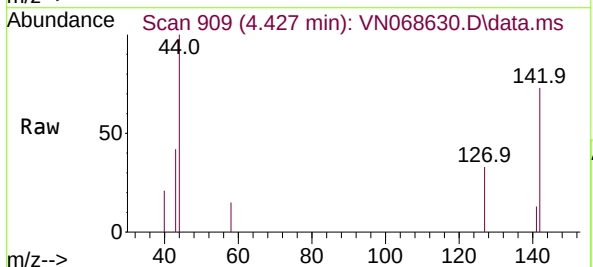
Instrument :
MSVOA_N
ClientSampled :
PB139243TB

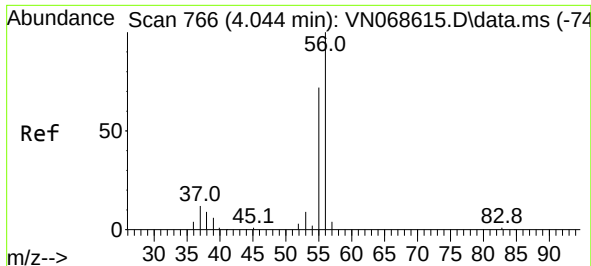
Tgt Ion: 94 Resp: 2416
Ion Ratio Lower Upper
94 100
96 91.1 73.7 110.5



#10
Methyl Iodide
Concen: 0.253 ug/l
RT: 4.427 min Scan# 909
Delta R.T. 0.005 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

Tgt Ion:142 Resp: 1967
Ion Ratio Lower Upper
142 100
127 23.0 43.1 64.7#
141 5.7 11.4 17.0#

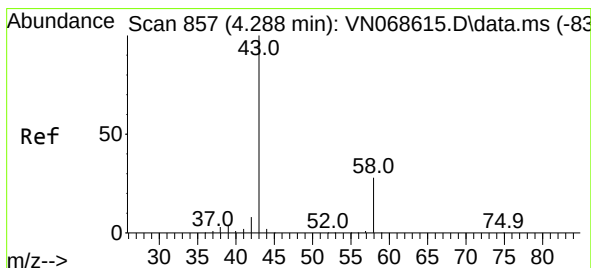
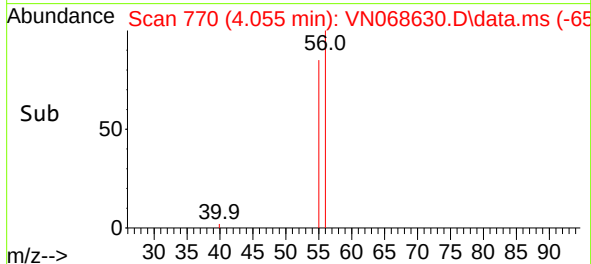
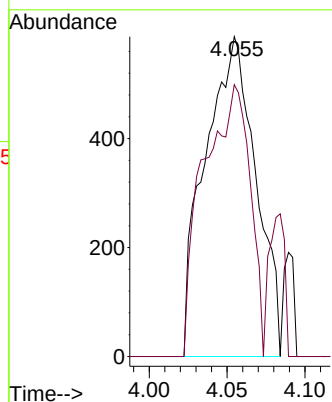
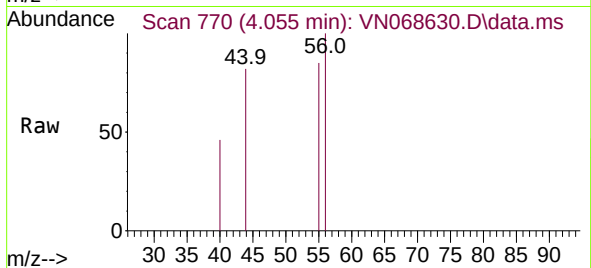




#13
Acrolein
Concen: 9.644 ug/l
RT: 4.055 min Scan# 770
Delta R.T. 0.011 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

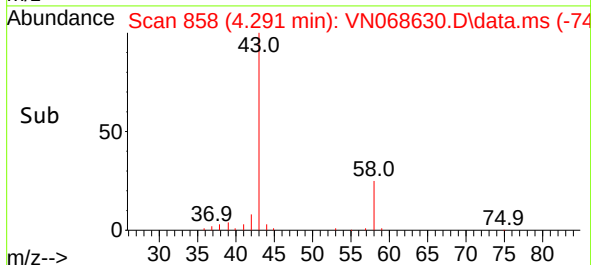
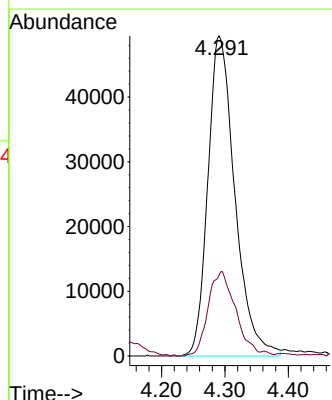
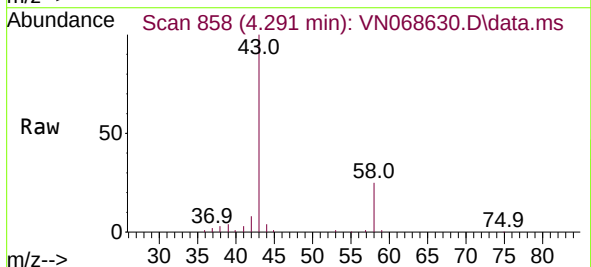
Instrument :
MSVOA_N
ClientSampleId :
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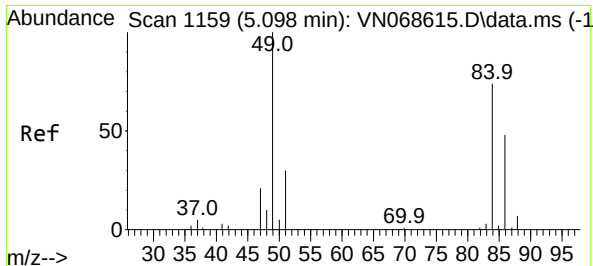
Tgt Ion: 56 Resp: 1328
Ion Ratio Lower Upper
56 100
55 77.9 57.4 86.0



#16
Acetone
Concen: 32.582 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.003 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

Tgt Ion: 43 Resp: 146387
Ion Ratio Lower Upper
43 100
58 25.3 21.2 31.8

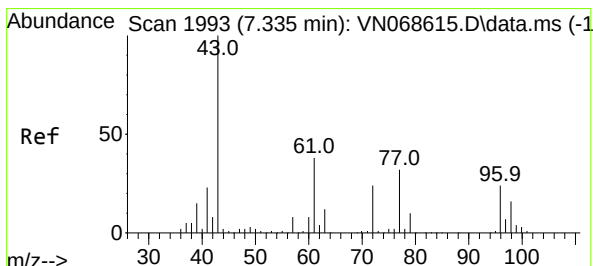
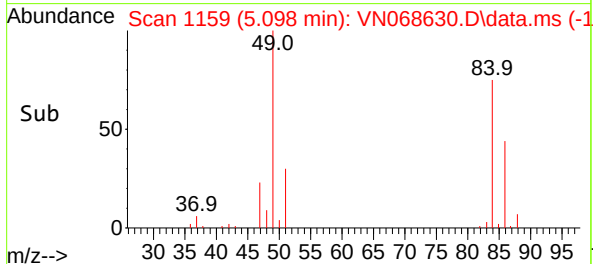
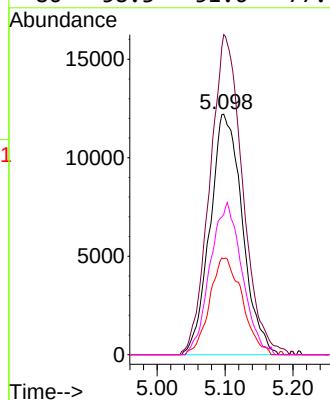
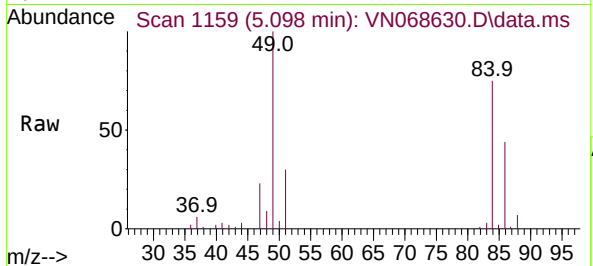




#20
Methylene Chloride
Concen: 3.797 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. -0.000 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

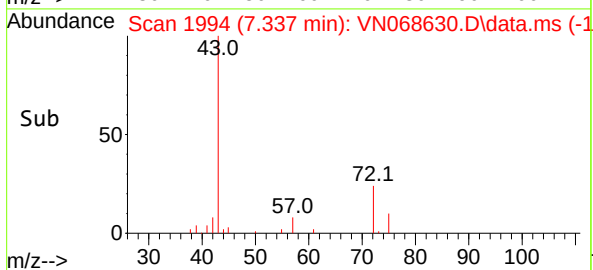
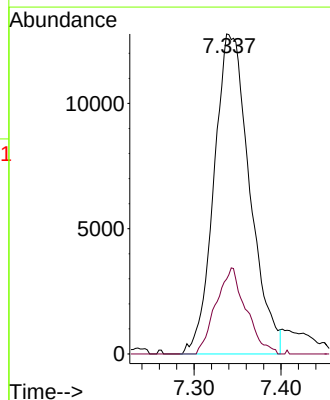
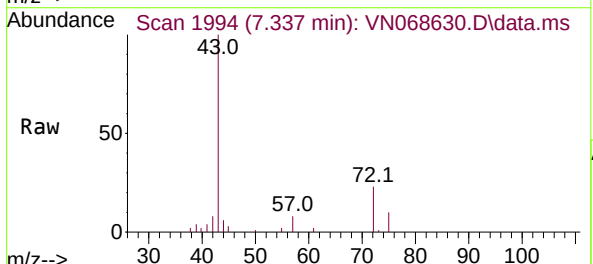
Instrument :
MSVOA_N
ClientSampled :
PB139243TB

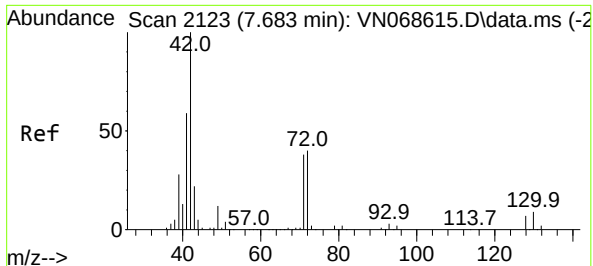
Tgt Ion:	84	Resp:	40482
Ion	Ratio	Lower	Upper
84	100		
49	133.1	110.9	166.3
51	39.8	32.6	49.0
86	58.3	51.6	77.4



#25
2-Butanone
Concen: 6.307 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. 0.002 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

Tgt Ion:	43	Resp:	36461
Ion	Ratio	Lower	Upper
43	100		
72	23.4	19.7	29.5





#29

Tetrahydrofuran

Concen: 0.899 ug/l

RT: 7.691 min Scan# 2126

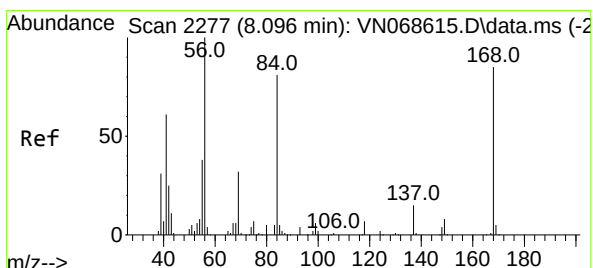
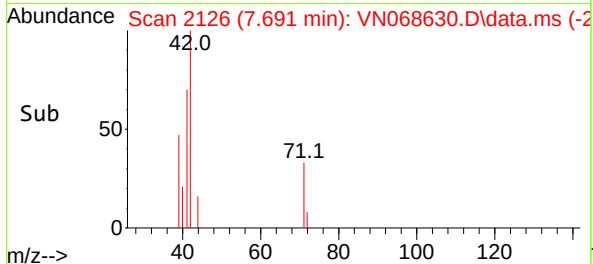
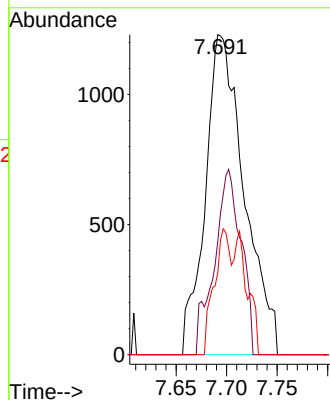
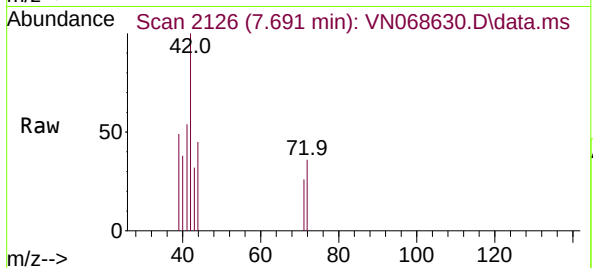
Delta R.T. 0.008 min

Lab File: VN068630.D

Acq: 23 Sep 2021 19:33

Tgt Ion:	42	Resp:	3302
Ion	Ratio	Lower	Upper
42	100		
72	39.7	32.8	49.2
71	16.4	31.2	46.8#

Instrument :
MSVOA_N
ClientSampled :
PB139243TB



#31

Cyclohexane

Concen: 1.242 ug/l

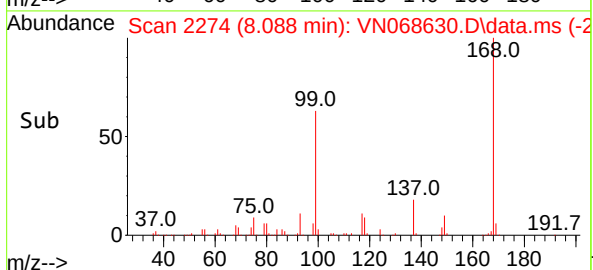
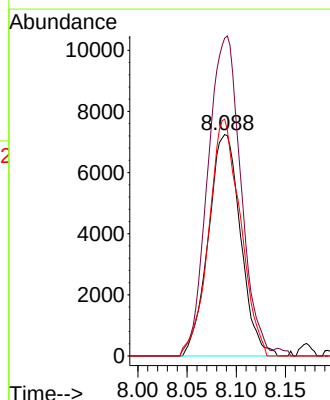
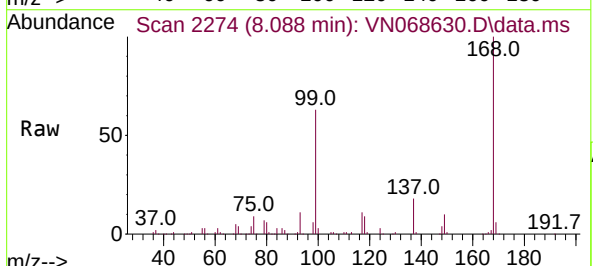
RT: 8.088 min Scan# 2274

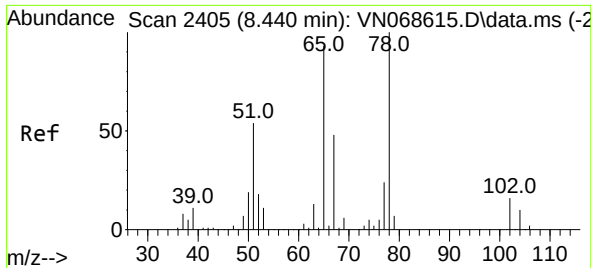
Delta R.T. -0.008 min

Lab File: VN068630.D

Acq: 23 Sep 2021 19:33

Tgt Ion:	56	Resp:	16521
Ion	Ratio	Lower	Upper
56	100		
69	143.5	27.3	40.9#
84	106.9	64.9	97.3#

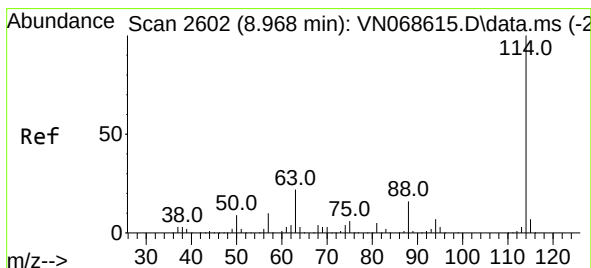
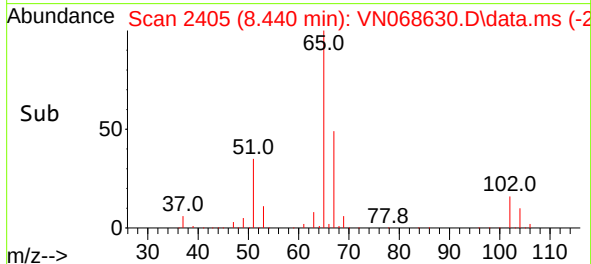
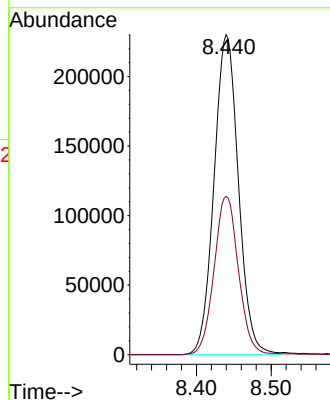
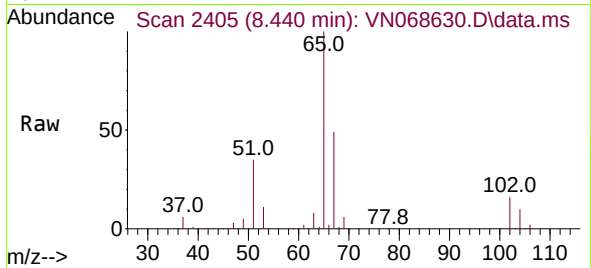




#33
1,2-Dichloroethane-d4
Concen: 55.099 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

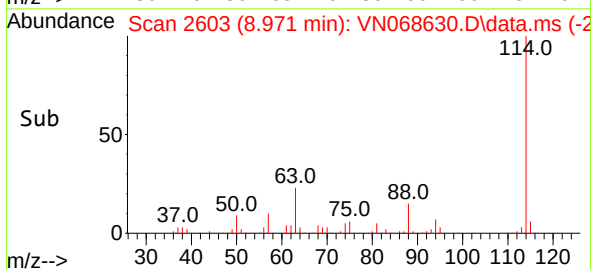
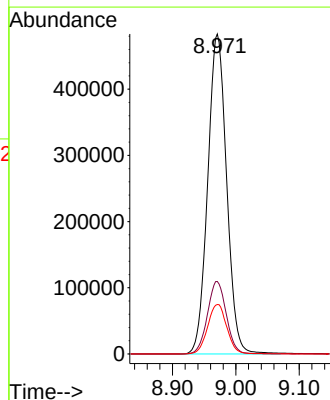
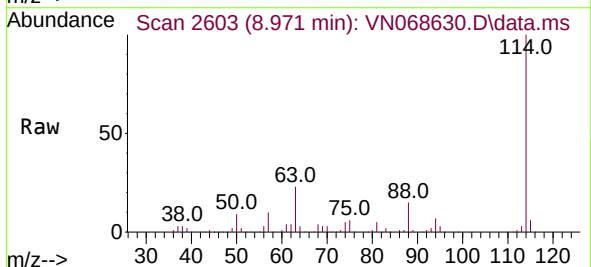
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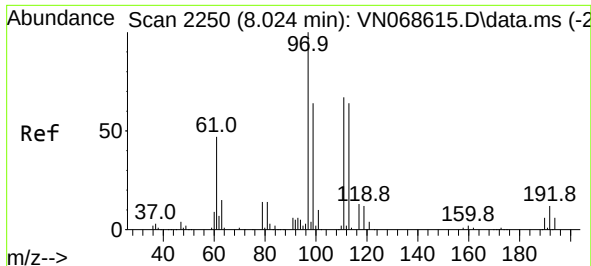
Tgt Ion: 65 Resp: 521130
Ion Ratio Lower Upper
65 100
67 49.5 0.0 98.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

Tgt Ion: 114 Resp: 1002456
Ion Ratio Lower Upper
114 100
63 22.6 0.0 49.0
88 15.5 0.0 36.6

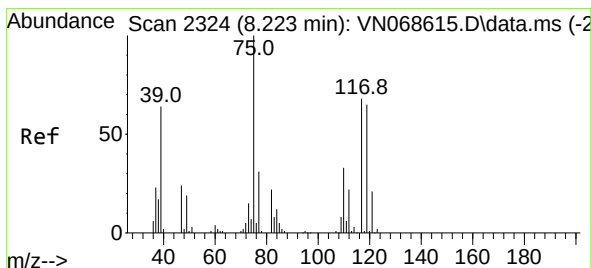
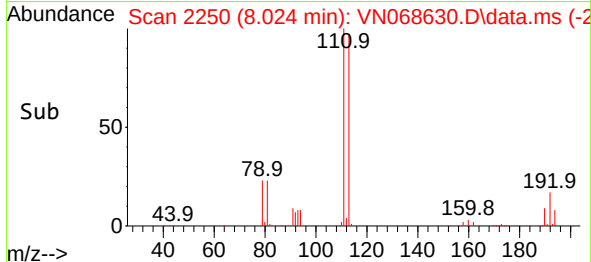
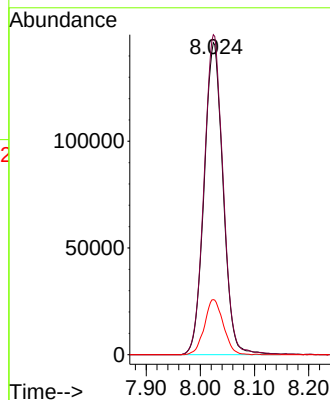
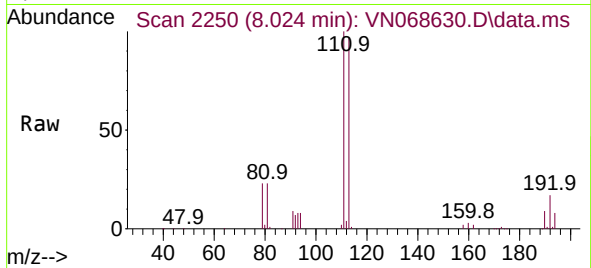




#35
Dibromofluoromethane
Concen: 52.911 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

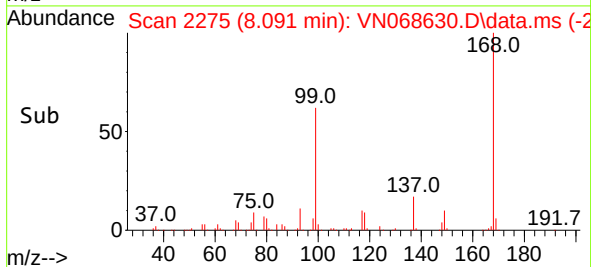
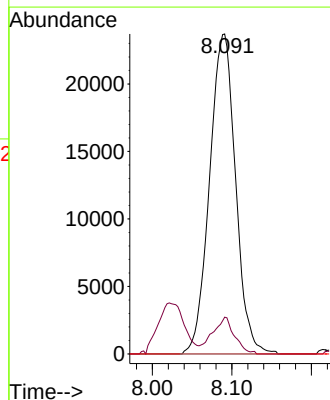
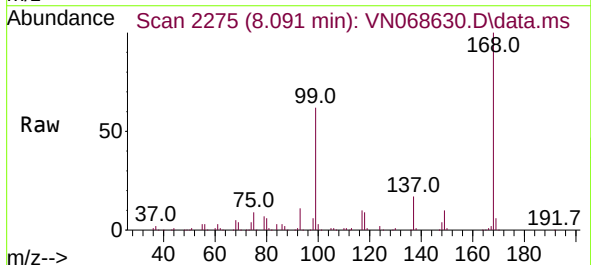
Instrument :
MSVOA_N
ClientSampleId :
PB139243TB

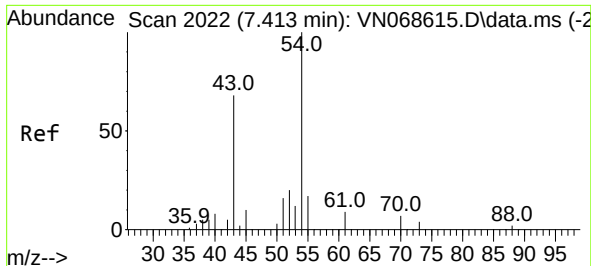
Tgt Ion:113 Resp: 354732
Ion Ratio Lower Upper
113 100
111 103.2 83.8 125.8
192 17.6 13.4 20.0



#36
1,1-Dichloropropene
Concen: 5.322 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.132 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

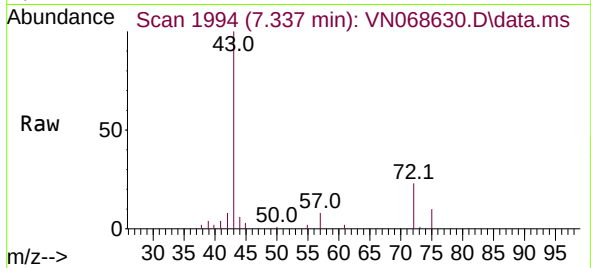
Tgt Ion: 75 Resp: 53883
Ion Ratio Lower Upper
75 100
110 9.8 15.7 47.0#
77 0.0 24.6 37.0#



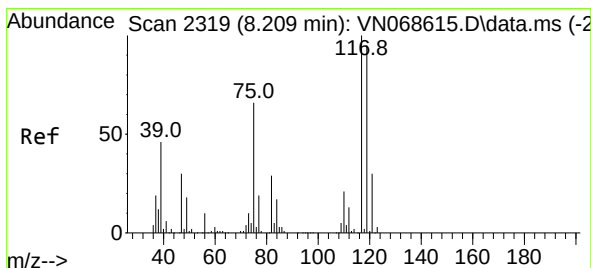
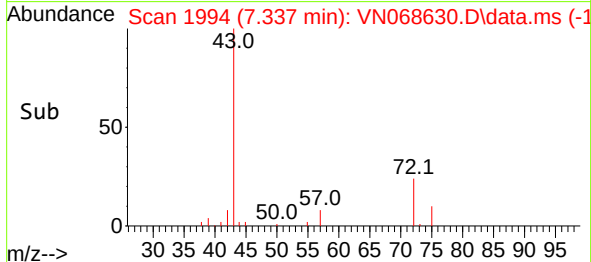
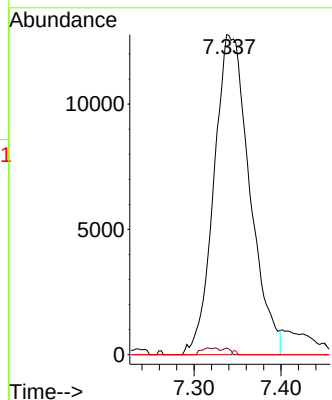


#37
Ethyl Acetate
Concen: 3.172 ug/l
RT: 7.337 min Scan# 1994
Delta R.T. -0.076 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

Instrument :
MSVOA_N
ClientSampleId :
PB139243TB

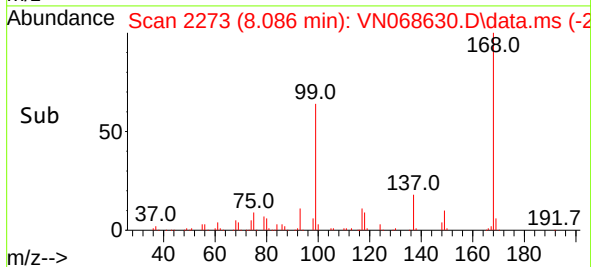
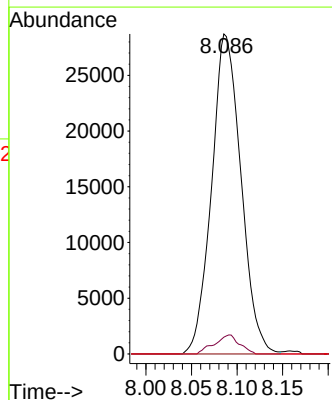
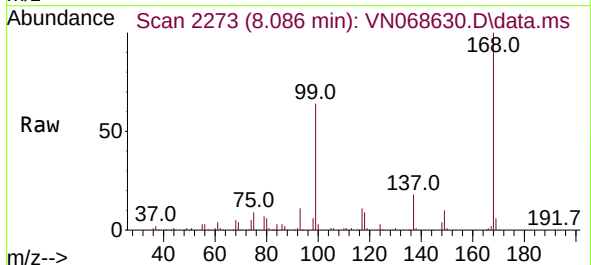


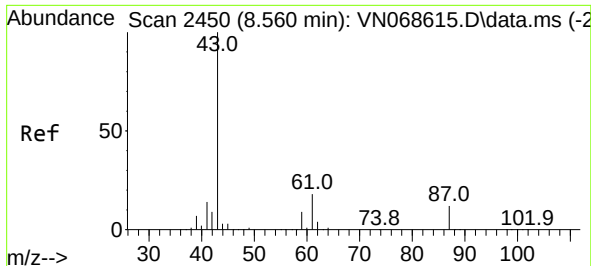
Tgt Ion:	43	Resp:	36461
Ion	Ratio	Lower	Upper
43	100		
61	0.4	10.6	16.0#
70	0.1	8.1	12.1#



#38
Carbon Tetrachloride
Concen: 6.147 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.123 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

Tgt Ion:	117	Resp:	64277
Ion	Ratio	Lower	Upper
117	100		
119	5.3	75.4	113.2#
121	0.0	23.5	35.3#

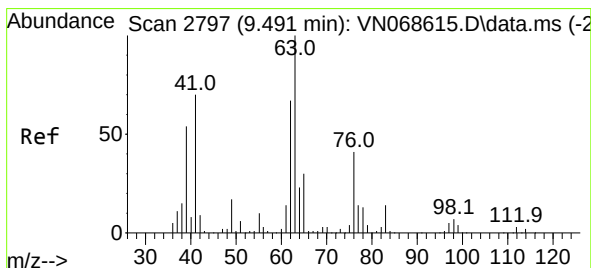
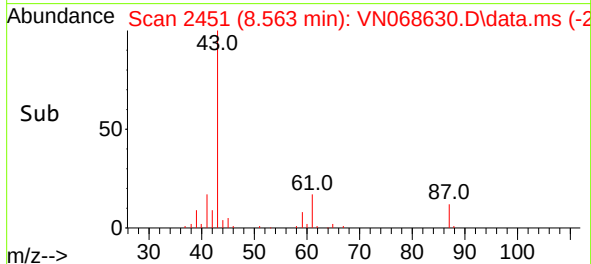
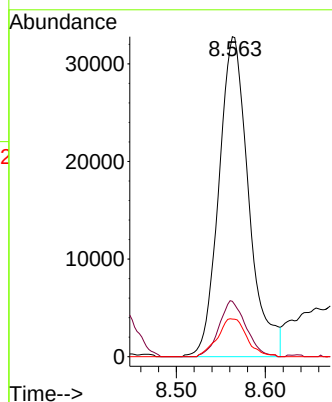
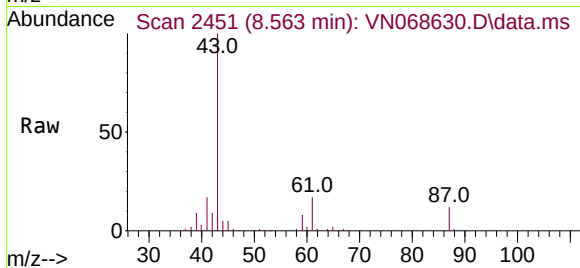




#43
Isopropyl Acetate
Concen: 3.884 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

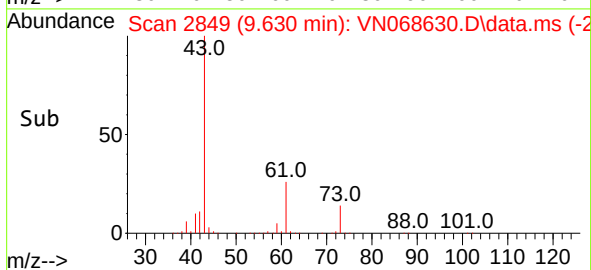
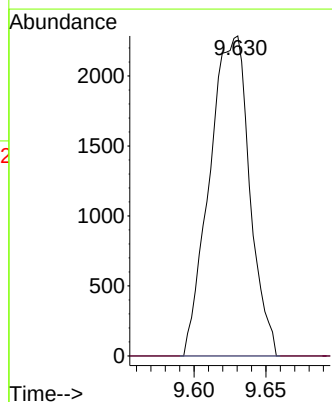
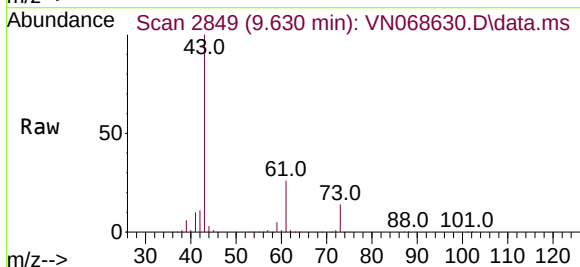
Instrument :
MSVOA_N
ClientSampleId :
PB139243TB

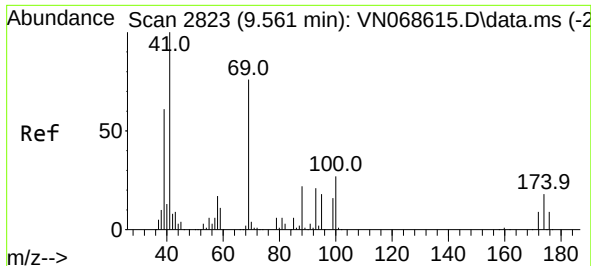
Tgt Ion: 43 Resp: 76369
Ion Ratio Lower Upper
43 100
61 15.7 19.0 28.4#
87 11.6 9.5 14.3



#45
1,2-Dichloropropane
Concen: 0.565 ug/l
RT: 9.630 min Scan# 2849
Delta R.T. 0.139 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

Tgt Ion: 63 Resp: 4420
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

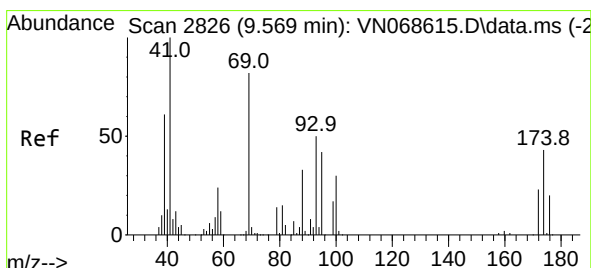
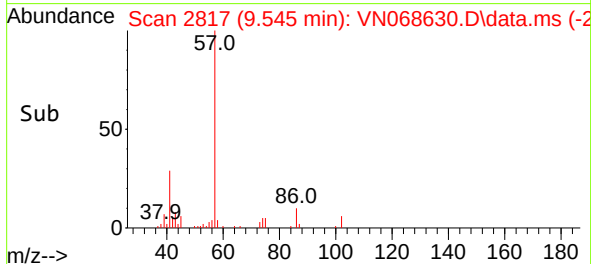
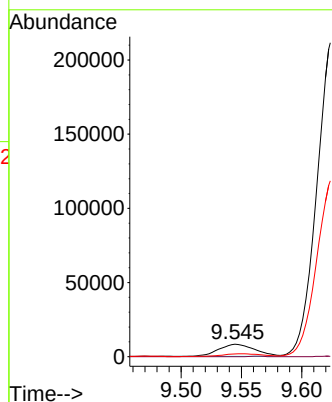
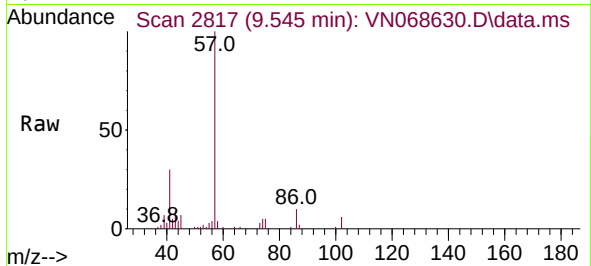




#48
Methyl methacrylate
Concen: 1.943 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

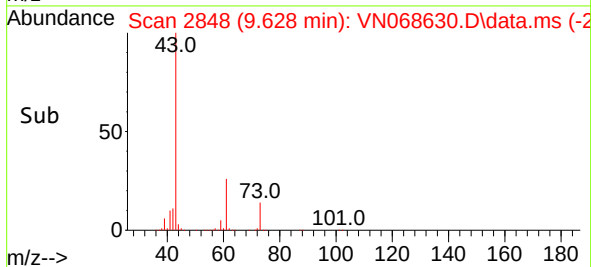
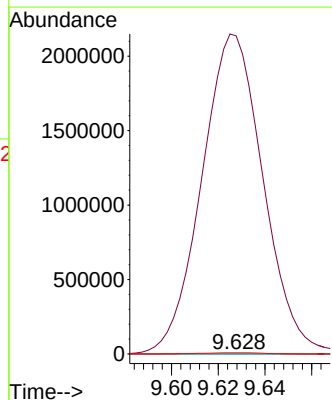
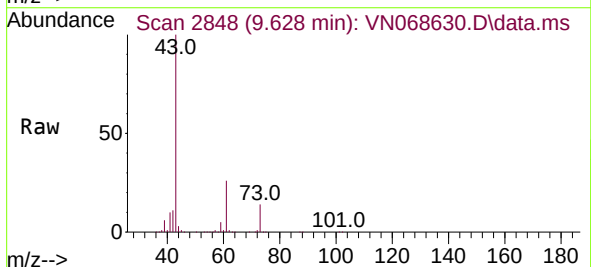
Instrument :
MSVOA_N
ClientSampled :
PB139243TB

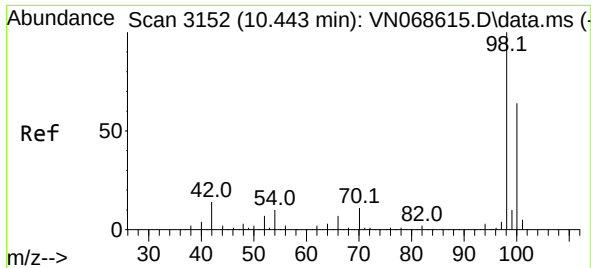
Tgt Ion: 41 Resp: 17452
Ion Ratio Lower Upper
41 100
69 1.4 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 5.633 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.059 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

Tgt Ion: 88 Resp: 738
Ion Ratio Lower Upper
88 100
43 538895.7 28.8 43.2#
58 1957.7 60.4 90.6#

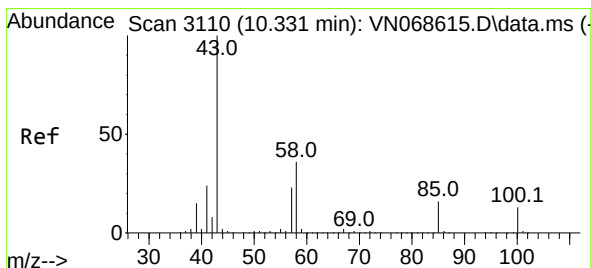
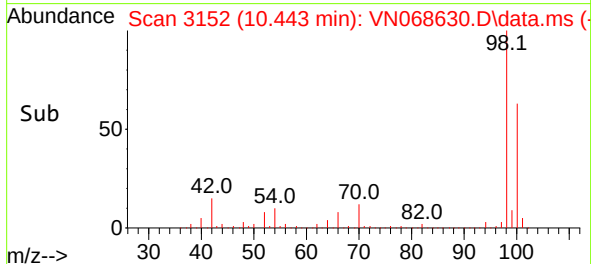
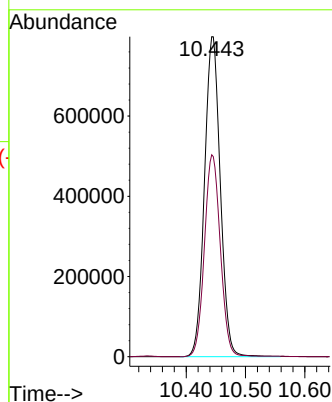
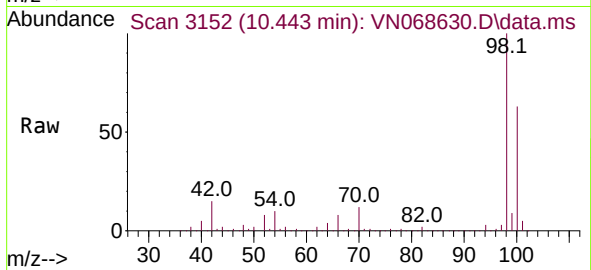




#50
Toluene-d8
Concen: 51.900 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

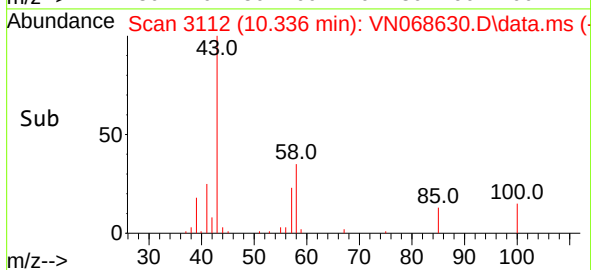
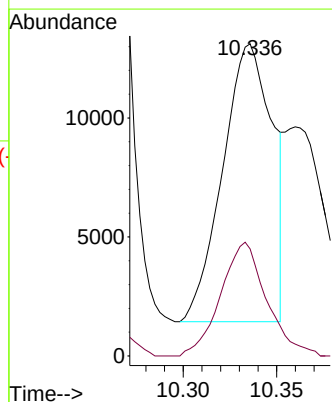
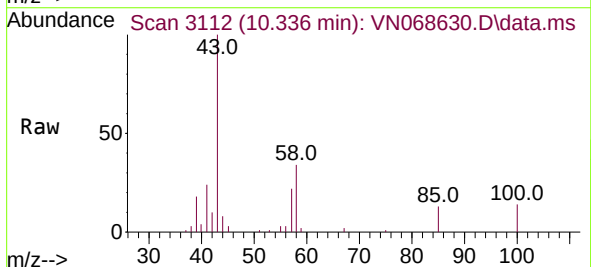
Instrument :
MSVOA_N
ClientSampleId :
PB139243TB

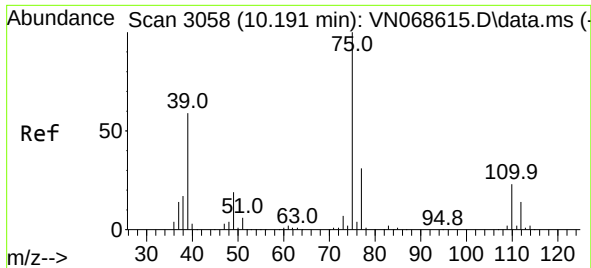
Tgt Ion: 98 Resp: 1475536
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.815 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

Tgt Ion: 43 Resp: 21582
Ion Ratio Lower Upper
43 100
58 37.8 28.6 43.0

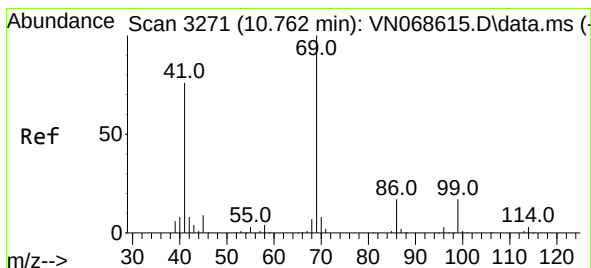
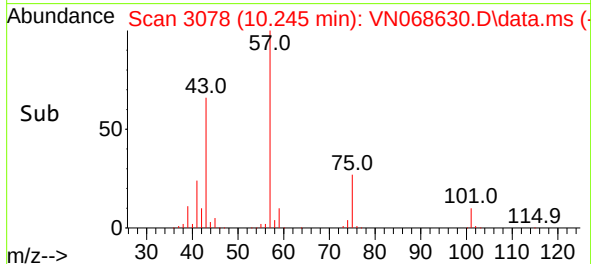
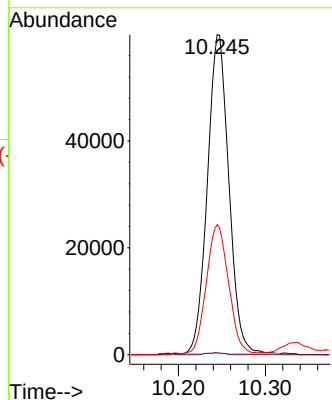
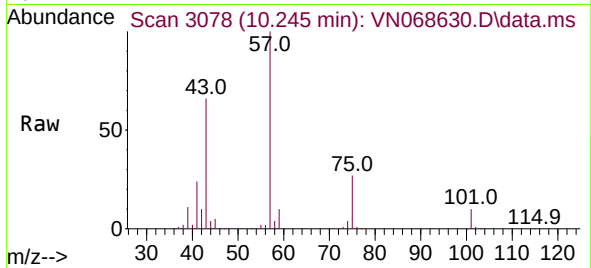




#54
cis-1,3-Dichloropropene
Concen: 8.276 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

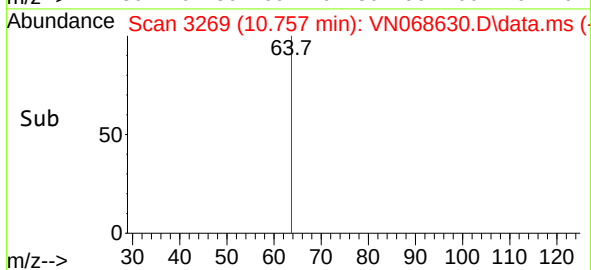
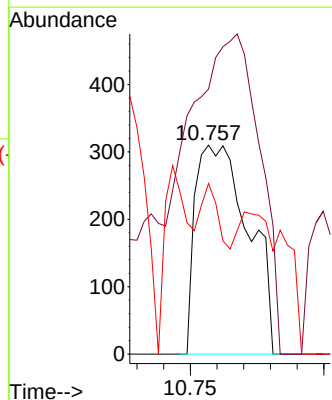
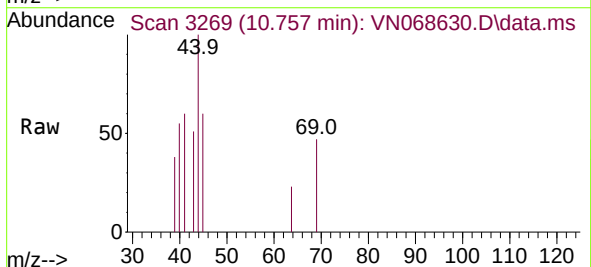
Instrument :
MSVOA_N
ClientSampleId :
PB139243TB

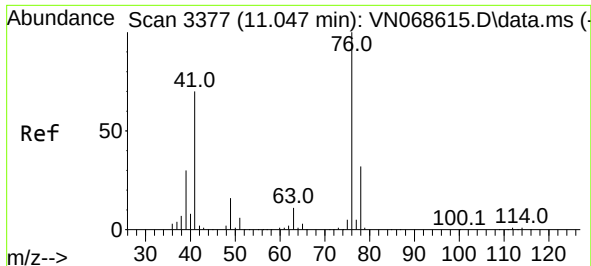
Tgt Ion: 75 Resp: 102308
Ion Ratio Lower Upper
75 100
77 0.6 24.6 37.0#
39 40.4 50.7 76.1#



#56
Ethyl methacrylate
Concen: 0.738 ug/l
RT: 10.757 min Scan# 3269
Delta R.T. -0.005 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

Tgt Ion: 69 Resp: 429
Ion Ratio Lower Upper
69 100
41 0.0 58.6 88.0#
39 0.0 38.3 57.5#

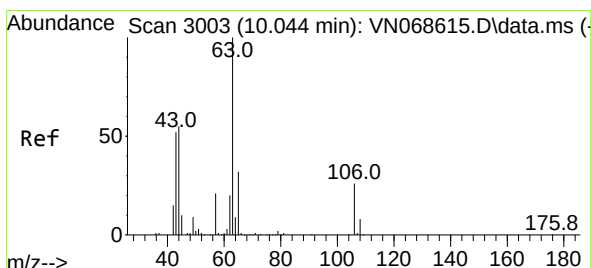
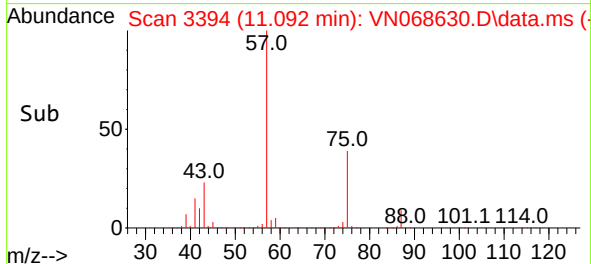
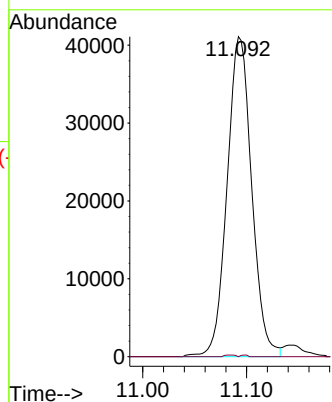
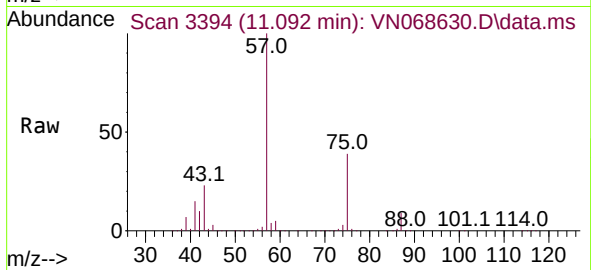




#57
1,3-Dichloropropane
Concen: 5.317 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

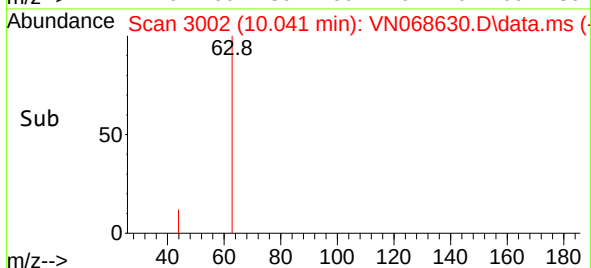
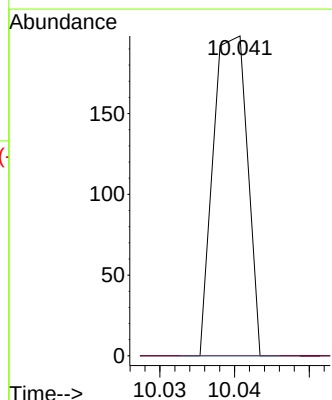
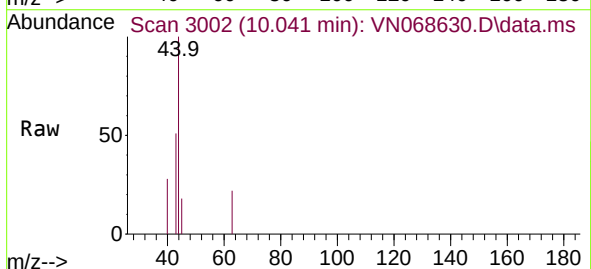
Instrument :
MSVOA_N
ClientSampled :
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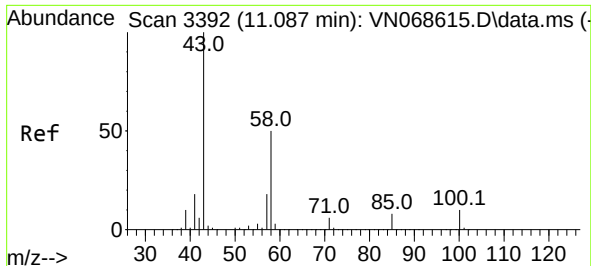
Tgt Ion: 76 Resp: 67760
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#



#58
2-Chloroethyl Vinyl ether
Concen: 12.037 ug/l
RT: 10.041 min Scan# 3002
Delta R.T. -0.003 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

Tgt Ion: 63 Resp: 63
Ion Ratio Lower Upper
63 100
106 0.0 19.8 29.8#

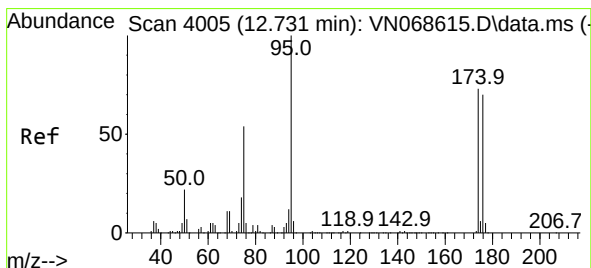
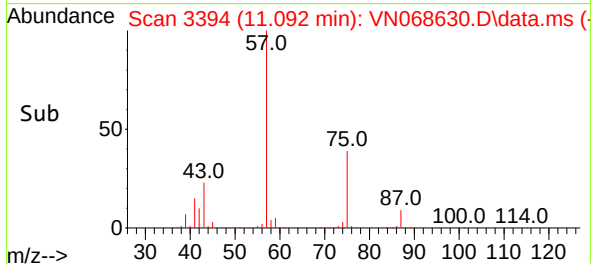
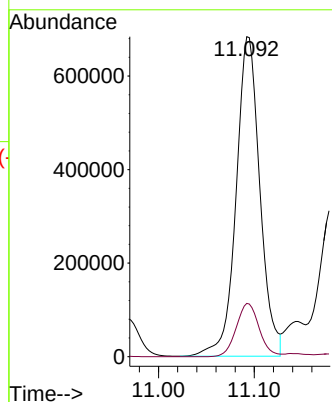
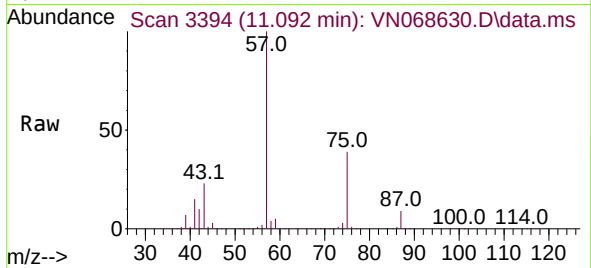




#59
2-Hexanone
Concen: 138.011 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

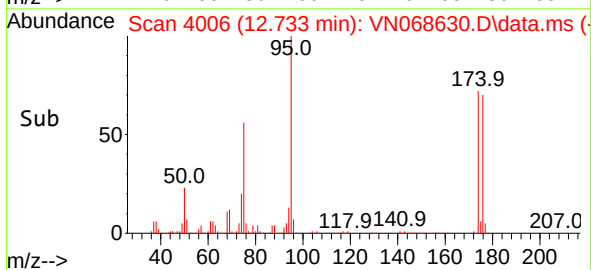
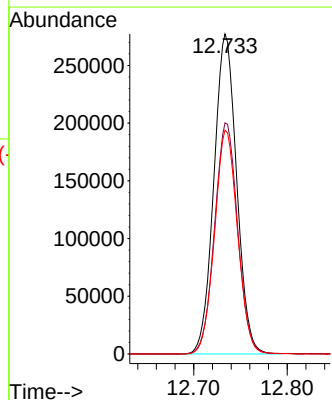
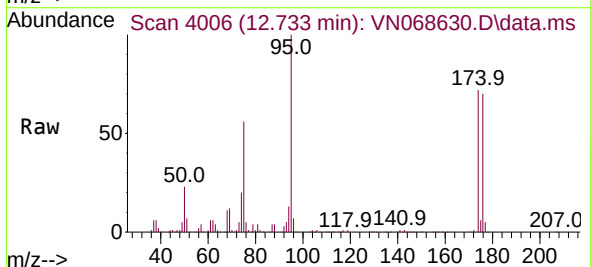
Instrument :
MSVOA_N
ClientSampleId :
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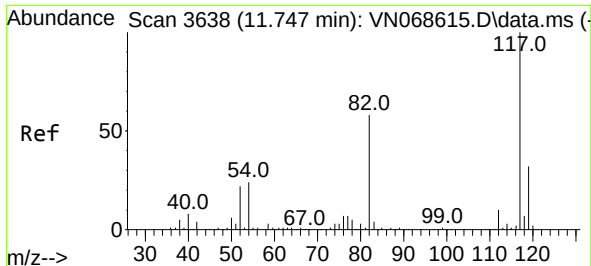
Tgt Ion: 43 Resp: 1180154
Ion Ratio Lower Upper
43 100
58 16.2 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 48.342 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

Tgt Ion: 95 Resp: 470044
Ion Ratio Lower Upper
95 100
174 73.2 0.0 122.0
176 70.5 0.0 117.6

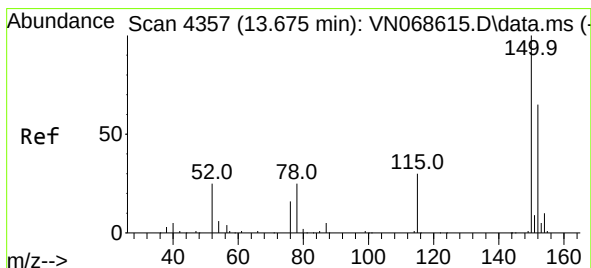
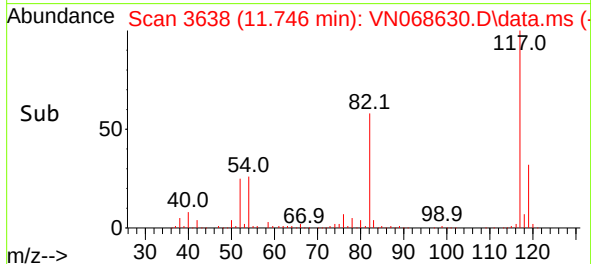
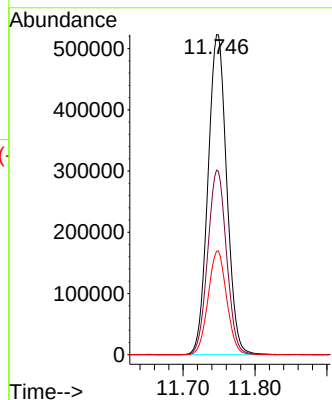
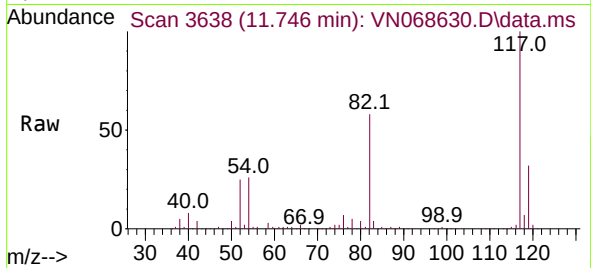




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

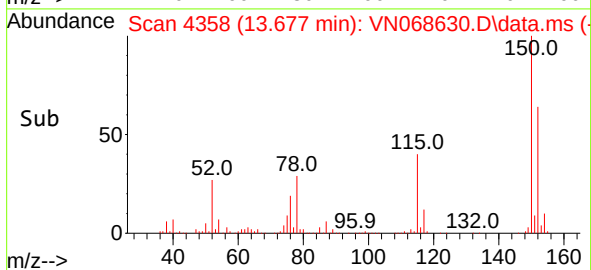
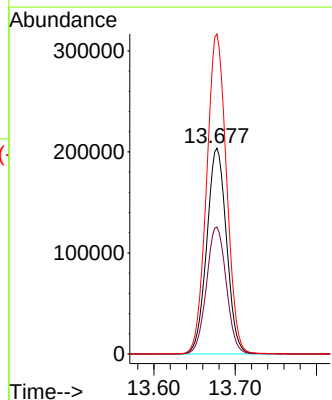
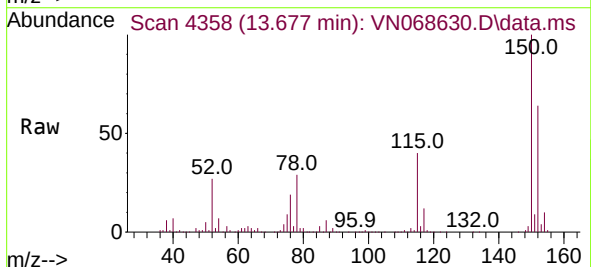
Instrument :
MSVOA_N
ClientSampled :
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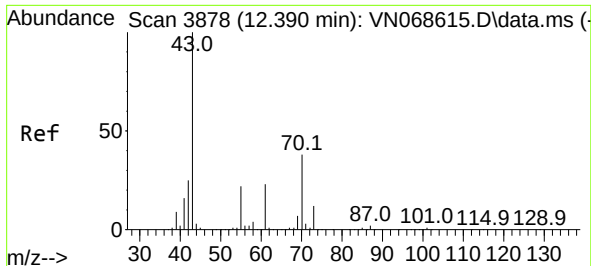
Tgt Ion:117 Resp: 947908
Ion Ratio Lower Upper
117 100
82 57.7 53.1 79.7
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

Tgt Ion:152 Resp: 344817
Ion Ratio Lower Upper
152 100
115 61.9 36.1 108.5
150 156.4 0.0 351.8

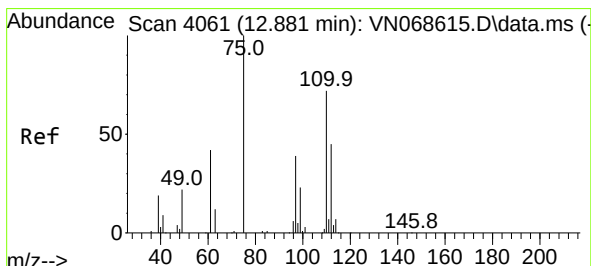
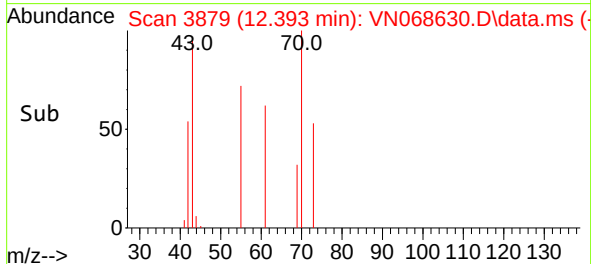
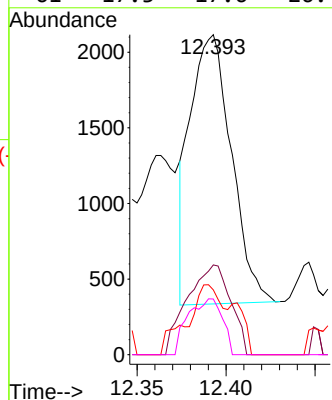
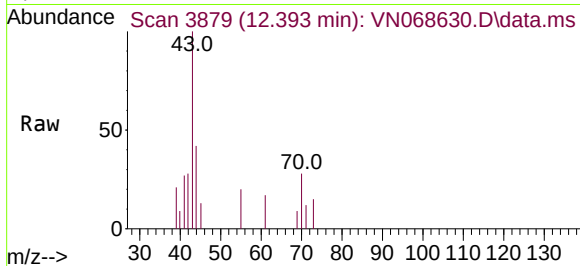




#74
N-amy1 acetate
Concen: 0.217 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.003 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

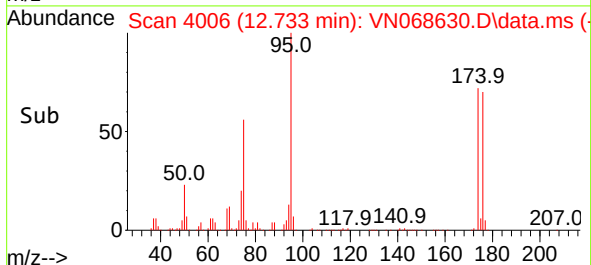
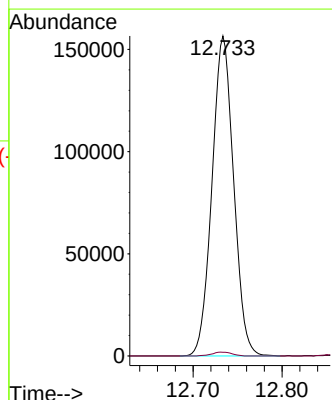
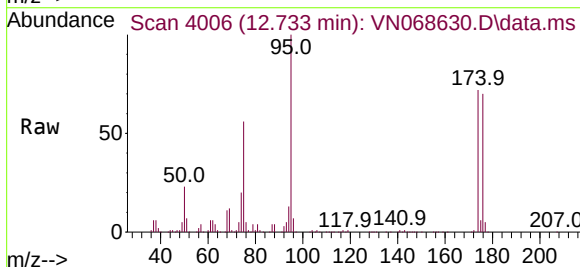
Instrument :
MSVOA_N
ClientSampleId :
PB139243TB

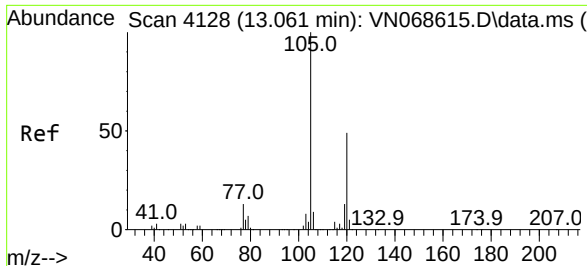
Tgt Ion: 43	Resp: 2859
Ion Ratio	Lower Upper
43 100	
70 35.2	29.4 44.2
55 22.8	17.0 25.4
61 17.3	17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 31.002 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

Tgt Ion: 75	Resp: 264322
Ion Ratio	Lower Upper
75 100	
77 1.1	0.0 0.0#

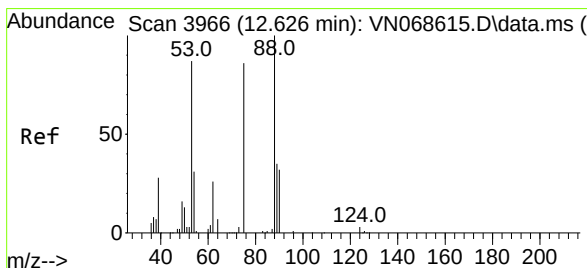
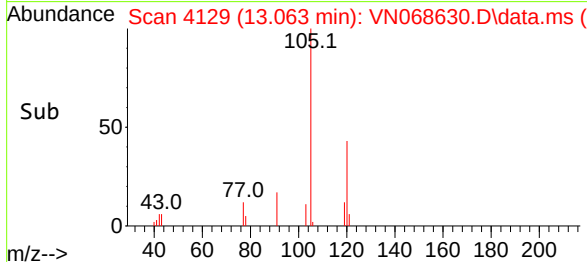
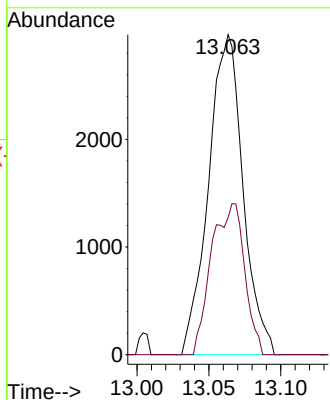
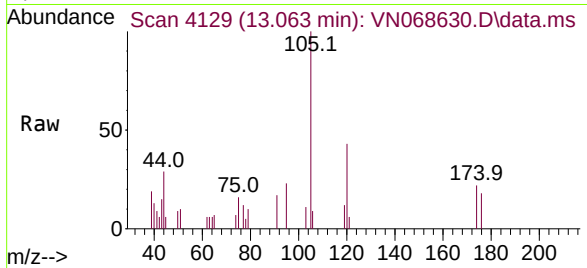




#80
1,3,5-Trimethylbenzene
Concen: 0.204 ug/l
RT: 13.063 min Scan# 4129
Delta R.T. 0.002 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

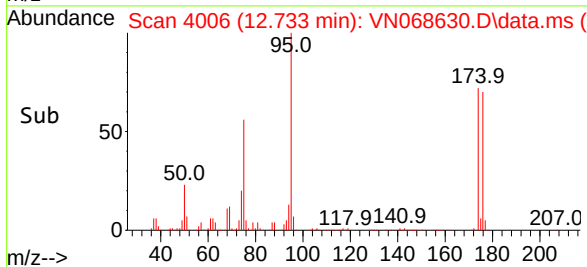
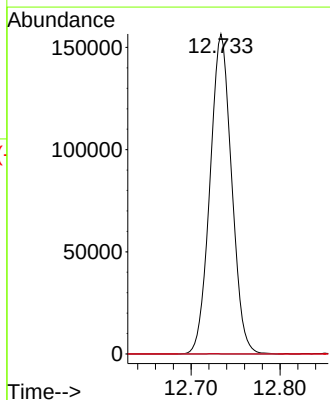
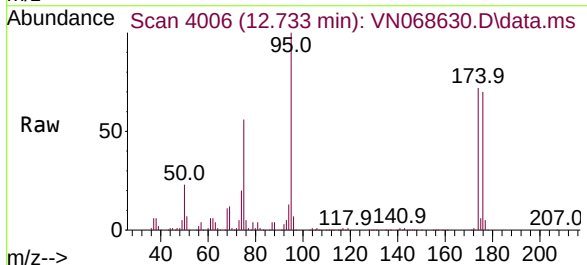
Instrument :
MSVOA_N
ClientSampled :
PB139243TB

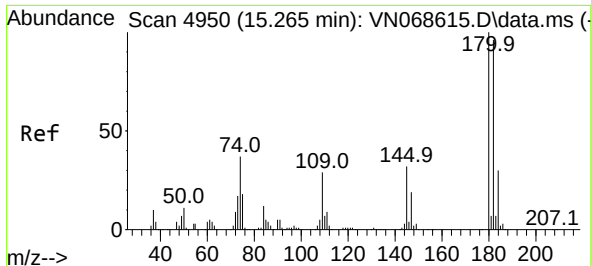
Tgt Ion:105 Resp: 4956
Ion Ratio Lower Upper
105 100
120 45.4 22.2 66.6



#81
trans-1,4-Dichloro-2-butene
Concen: 87.574 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

Tgt Ion: 75 Resp: 264322
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

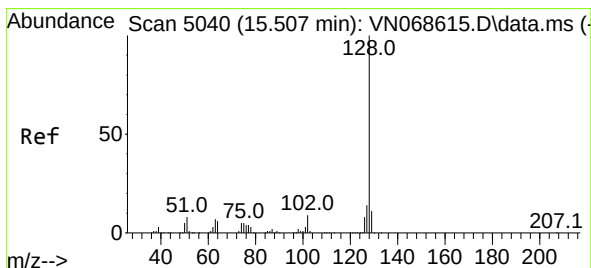
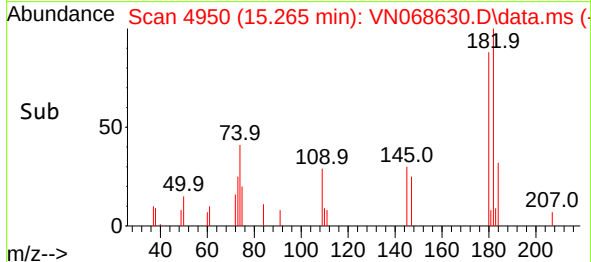
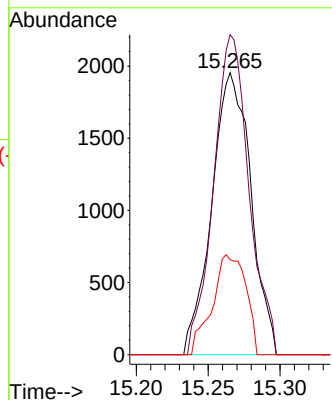
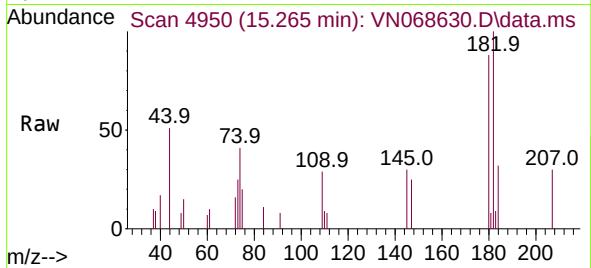




#93
1,2,4-Trichlorobenzene
Concen: 0.637 ug/l
RT: 15.265 min Scan# 4950
Delta R.T. 0.000 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

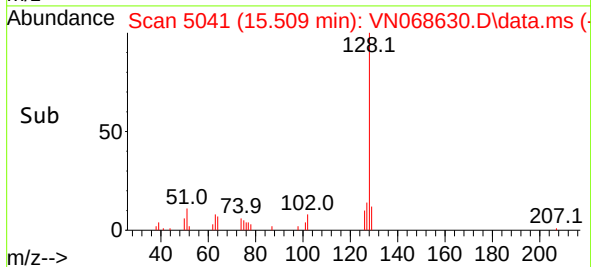
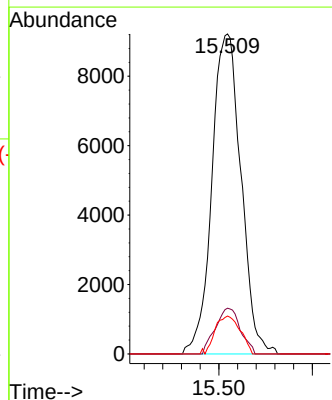
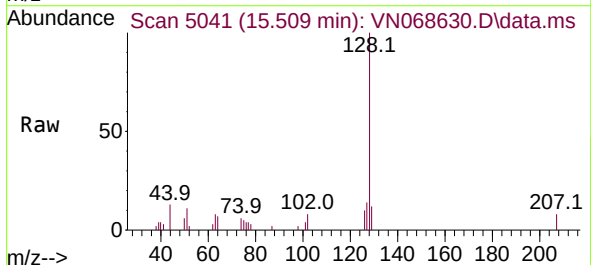
Instrument :
MSVOA_N
ClientSampled :
PB139243TB

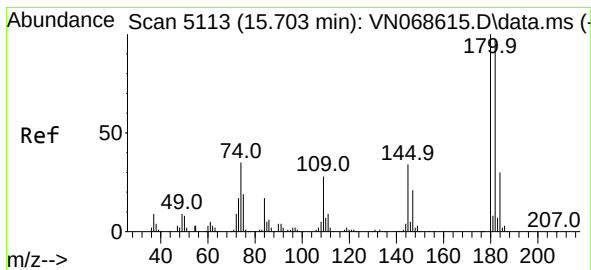
Tgt Ion:180 Resp: 3685
Ion Ratio Lower Upper
180 100
182 102.8 47.5 142.5
145 30.5 17.2 51.6



#95
Naphthalene
Concen: 2.759 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068630.D
Acq: 23 Sep 2021 19:33

Tgt Ion:128 Resp: 19934
Ion Ratio Lower Upper
128 100
127 12.3 10.6 15.8
129 10.3 8.6 12.8





#96
 1,2,3-Trichlorobenzene
 Concen: 0.785 ug/l
 RT: 15.700 min Scan# 5112
 Delta R.T. -0.003 min
 Lab File: VN068630.D
 Acq: 23 Sep 2021 19:33

Instrument :
 MSVOA_N
 ClientSampleId :
 PB139243TB

Tgt Ion:180 Resp: 4440
 Ion Ratio Lower Upper
 180 100
 182 90.5 47.8 143.3
 145 32.9 18.2 54.6

