

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081921\
 Data File : VN068221.D
 Acq On : 19 Aug 2021 17:04
 Operator : JC/MD
 Sample : PB138556TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB138556TB

Quant Time: Aug 20 01:55:04 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)

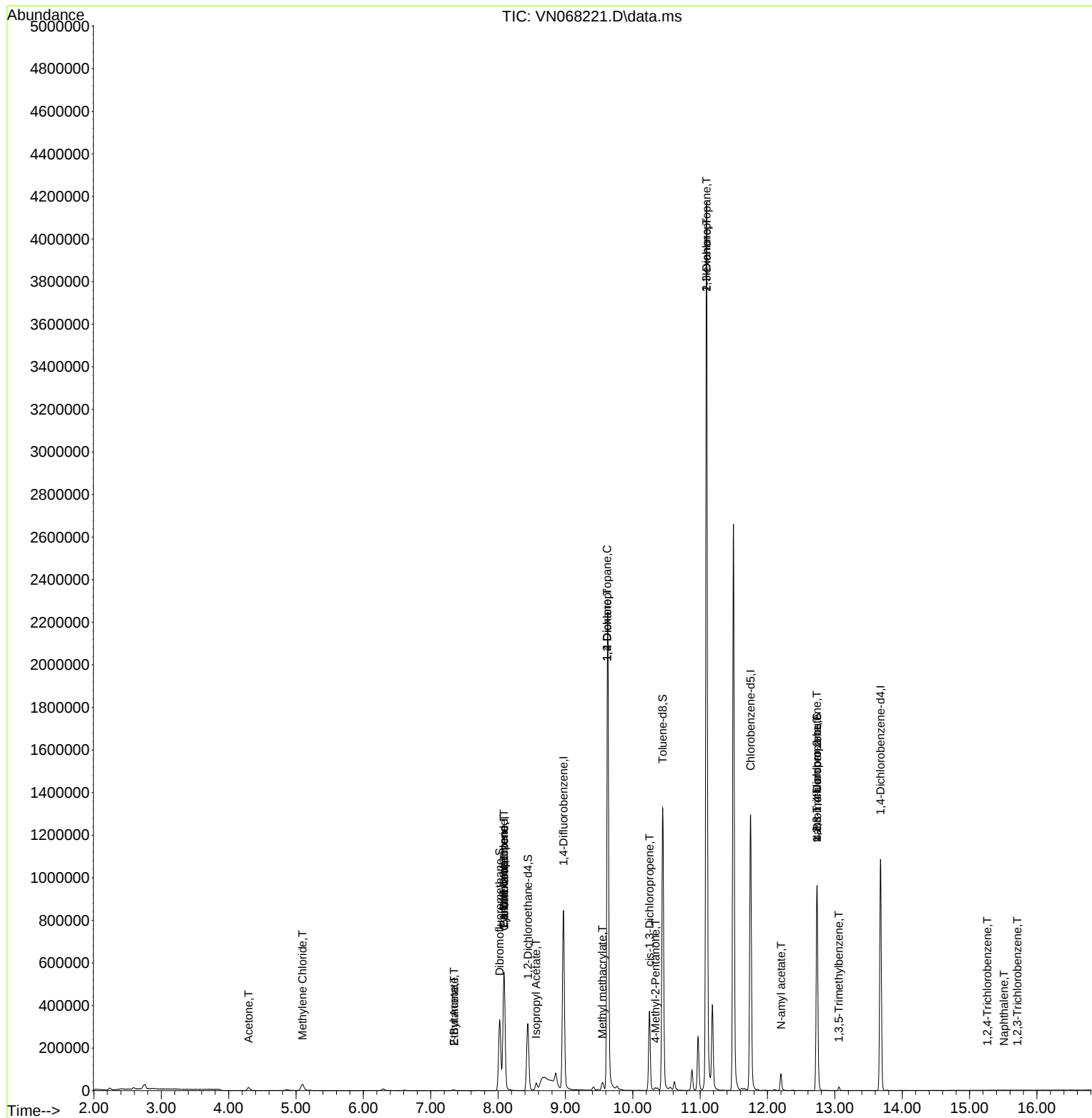
Internal Standards						
1) Pentafluorobenzene	8.088	168	463083	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	812943	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	853716	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	317338	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	267993	54.201	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 108.400%		
35) Dibromofluoromethane	8.024	113	238183	46.667	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 93.340%		
50) Toluene-d8	10.443	98	979498	50.366	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 100.740%		
62) 4-Bromofluorobenzene	12.736	95	321152	49.606	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 99.220%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.837	94	50	Below Cal	#	79
6) Chloroethane	3.001	64	98	Below Cal	#	44
16) Acetone	4.296	43	26366	18.264	ug/l	92
18) Methyl Acetate	4.862	43	7465	Below Cal	#	77
20) Methylene Chloride	5.095	84	24802	4.265	ug/l	# 80
25) 2-Butanone	7.348	43	3292	1.463	ug/l	97
31) Cyclohexane	8.091	56	8634	1.326	ug/l	# 1
36) 1,1-Dichloropropene	8.086	75	30580	4.602	ug/l	# 51
37) Ethyl Acetate	7.348	43	3292	0.581	ug/l	# 69
38) Carbon Tetrachloride	8.088	117	43988	5.739	ug/l	# 17
43) Isopropyl Acetate	8.566	43	38652	4.262	ug/l	92
45) 1,2-Dichloropropane	9.620	63	1079	0.226	ug/l	# 44
48) Methyl methacrylate	9.547	41	9897	2.619	ug/l	# 12
49) 1,4-Dioxane	9.620	88	117	1.281	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.339	43	8207	1.473	ug/l	97
54) cis-1,3-Dichloropropene	10.247	75	70492	9.159	ug/l	# 57
57) 1,3-Dichloropropane	11.095	76	46969	5.519	ug/l	# 43
59) 2-Hexanone	11.095	43	580289	150.019	ug/l	# 57
74) N-amyl acetate	12.200	43	21331	3.630	ug/l	# 58
76) 1,2,3-Trichloropropane	12.733	75	160977	30.520	ug/l	# 100
80) 1,3,5-Trimethylbenzene	13.061	105	8646	0.474	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.733	75	160977	99.988	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.263	180	113	2.705	ug/l	# 12
95) Naphthalene	15.509	128	996	3.419	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.708	180	78	2.846	ug/l	# 63

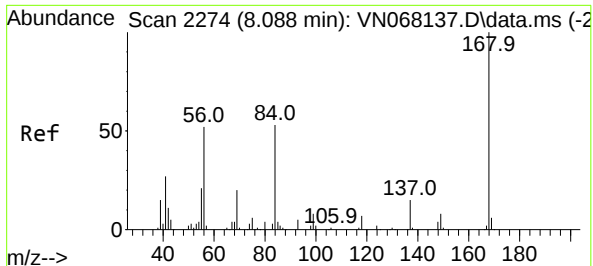
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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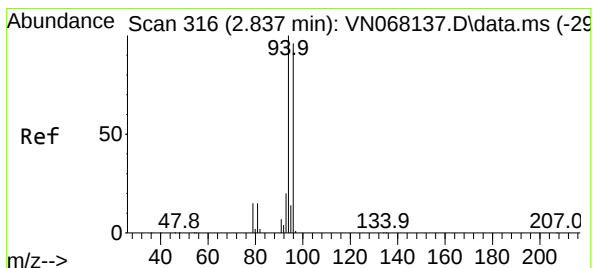
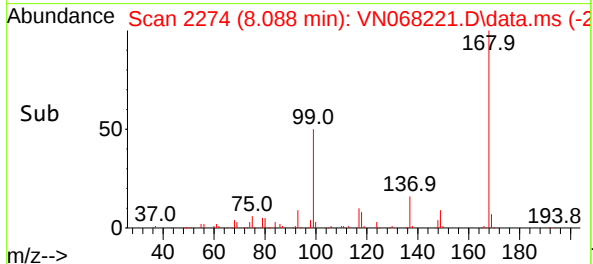
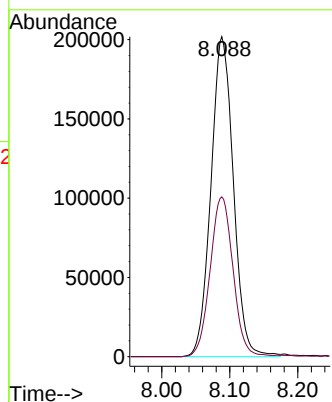
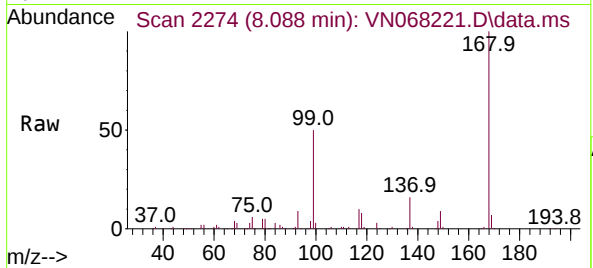




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068221.D
Acq: 19 Aug 2021 17:04

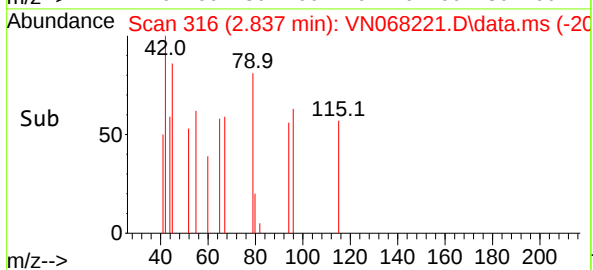
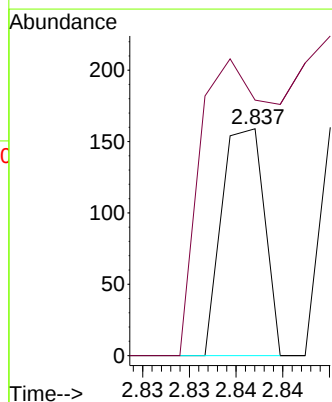
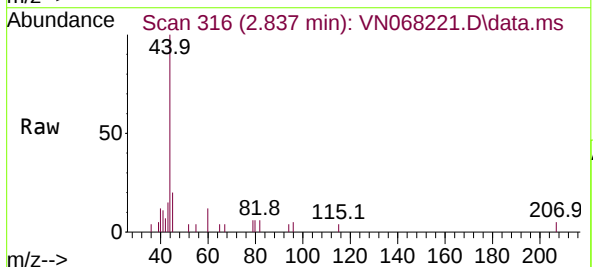
Instrument :
MSVOA_N
ClientSampleId :
PB138556TB

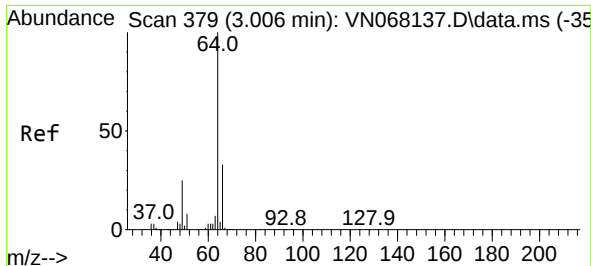
Tgt Ion:168 Resp: 463083
Ion Ratio Lower Upper
168 100
99 49.9 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.837 min Scan# 316
Delta R.T. 0.000 min
Lab File: VN068221.D
Acq: 19 Aug 2021 17:04

Tgt Ion: 94 Resp: 50
Ion Ratio Lower Upper
94 100
96 112.6 73.7 110.5#

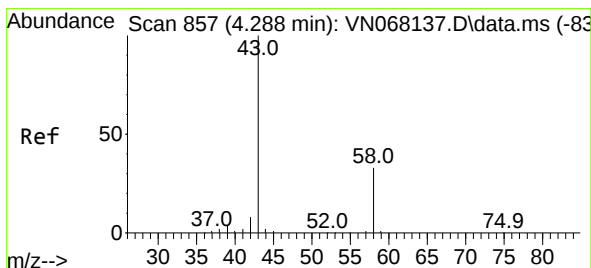
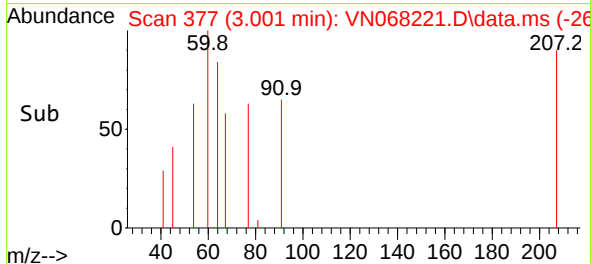
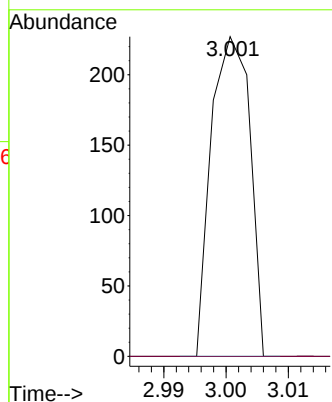
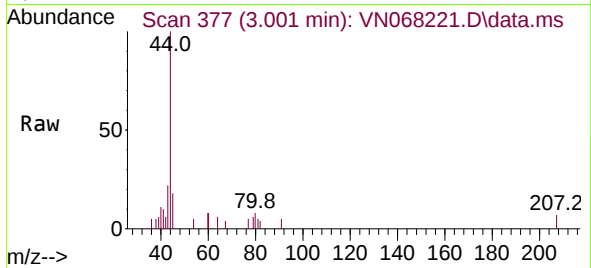




#6
Chloroethane
Concen: Below Cal
RT: 3.001 min Scan# 377
Delta R.T. -0.005 min
Lab File: VN068221.D
Acq: 19 Aug 2021 17:04

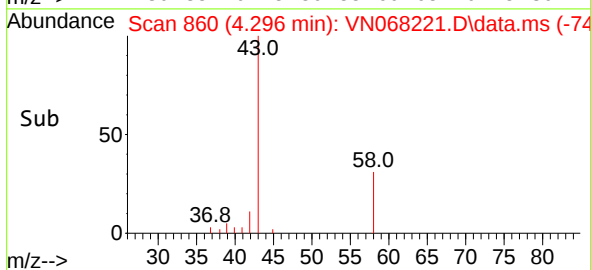
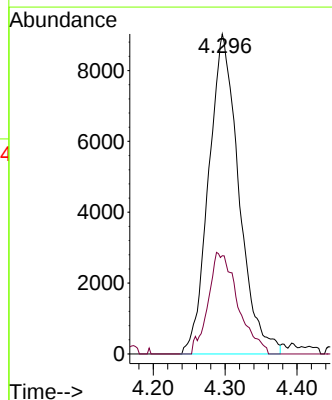
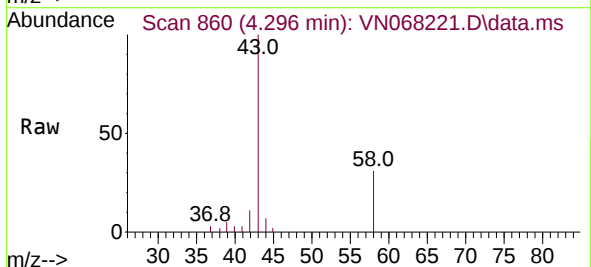
Instrument :
MSVOA_N
ClientSampleID :
PB138556TB

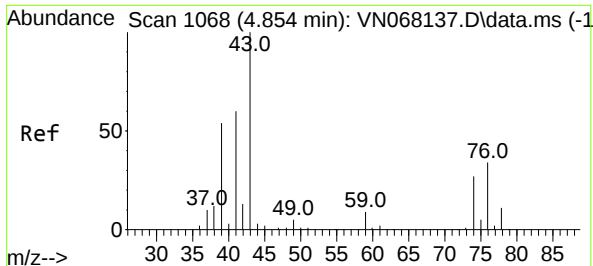
Tgt Ion: 64 Resp: 98
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#16
Acetone
Concen: 18.264 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN068221.D
Acq: 19 Aug 2021 17:04

Tgt Ion: 43 Resp: 26366
Ion Ratio Lower Upper
43 100
58 30.7 21.2 31.8





#18

Methyl Acetate

Concen: Below Cal

RT: 4.862 min Scan# 1071

Delta R.T. 0.008 min

Lab File: VN068221.D

Acq: 19 Aug 2021 17:04

Tgt Ion: 43 Resp: 7465

Ion Ratio Lower Upper

43 100

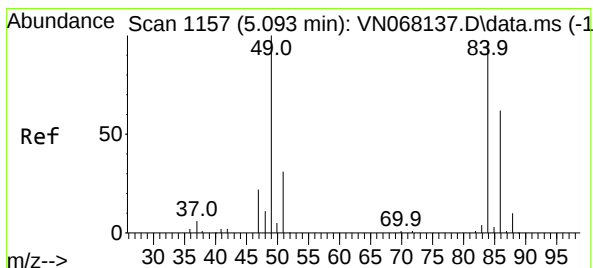
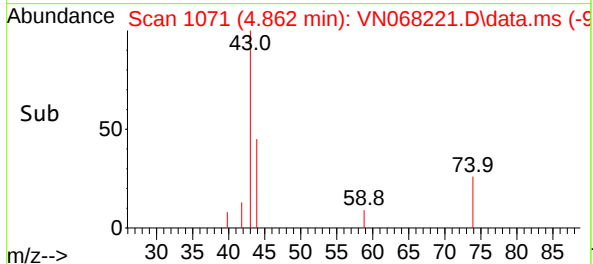
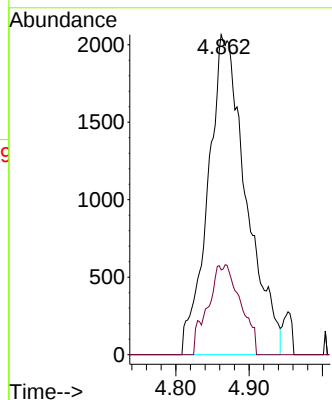
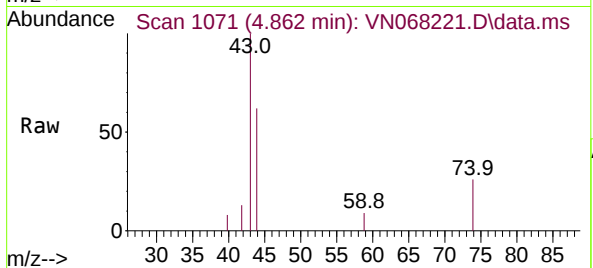
74 10.6 17.4 26.0#

Instrument :

MSVOA_N

ClientSampled :

PB138556TB



#20

Methylene Chloride

Concen: 4.265 ug/l

RT: 5.095 min Scan# 1158

Delta R.T. 0.002 min

Lab File: VN068221.D

Acq: 19 Aug 2021 17:04

Tgt Ion: 84 Resp: 24802

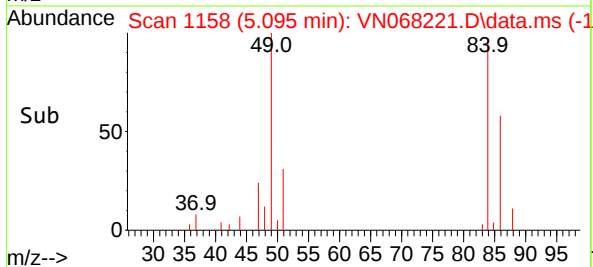
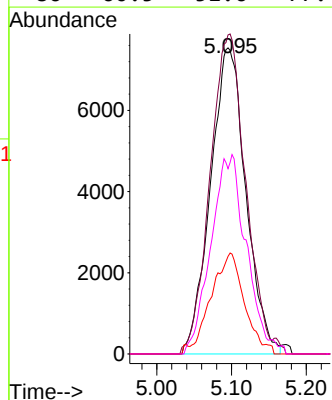
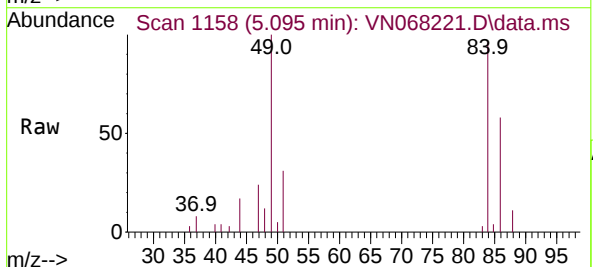
Ion Ratio Lower Upper

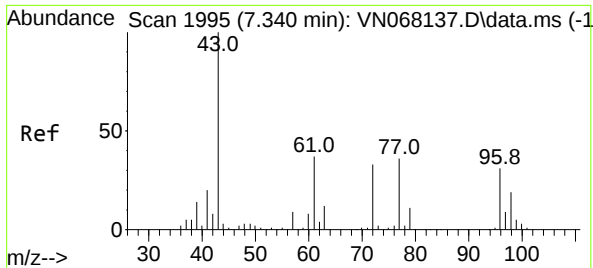
84 100

49 104.2 110.9 166.3#

51 31.9 32.6 49.0#

86 60.5 51.6 77.4

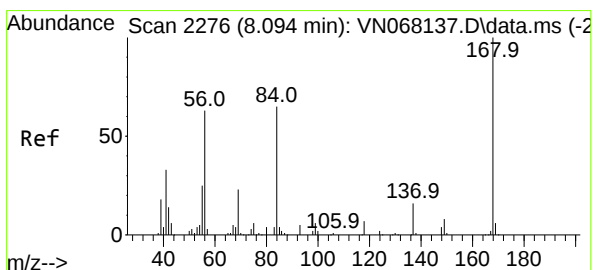
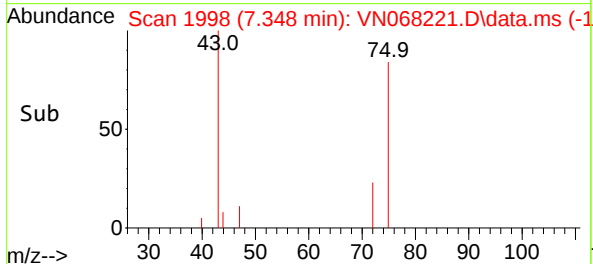
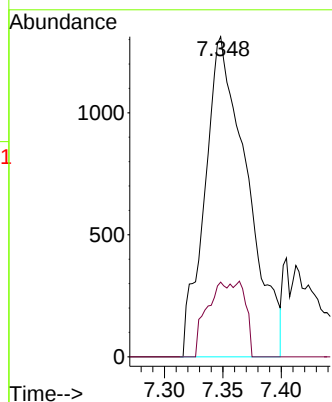
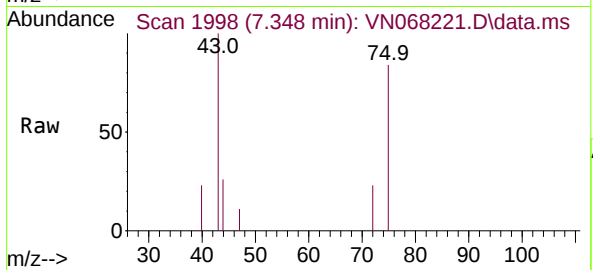




#25
2-Butanone
Concen: 1.463 ug/l
RT: 7.348 min Scan# 1998
Delta R.T. 0.008 min
Lab File: VN068221.D
Acq: 19 Aug 2021 17:04

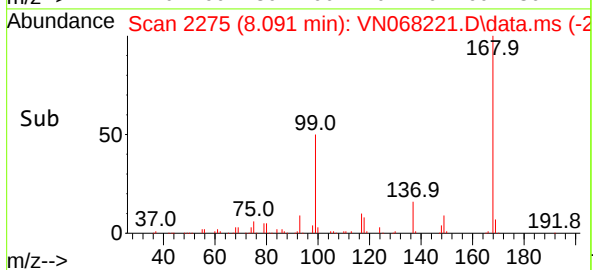
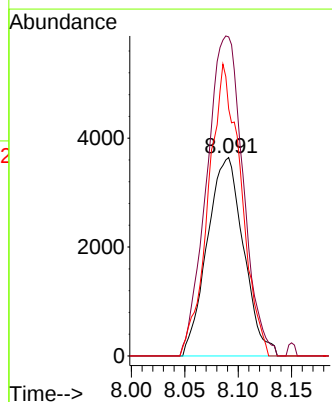
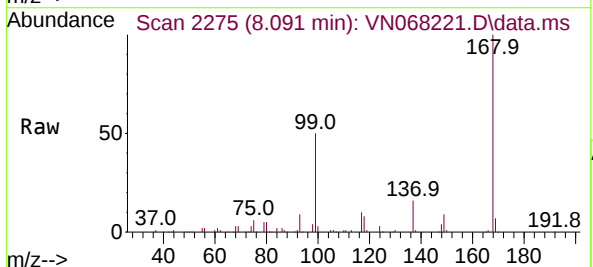
Instrument :
MSVOA_N
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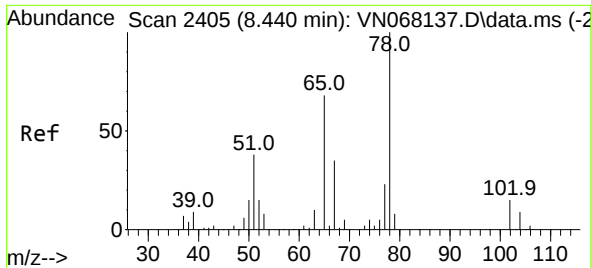
Tgt Ion: 43 Resp: 3292
Ion Ratio Lower Upper
43 100
72 23.3 19.7 29.5



#31
Cyclohexane
Concen: 1.326 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.003 min
Lab File: VN068221.D
Acq: 19 Aug 2021 17:04

Tgt Ion: 56 Resp: 8634
Ion Ratio Lower Upper
56 100
69 160.8 27.3 40.9#
84 124.5 64.9 97.3#

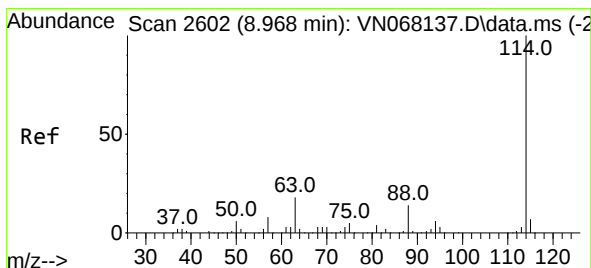
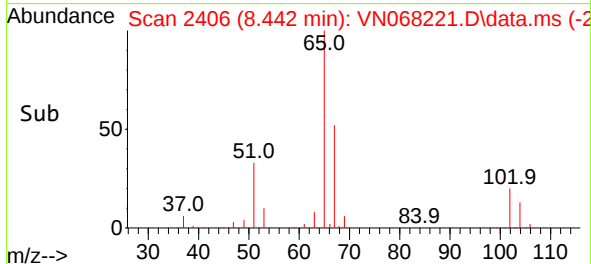
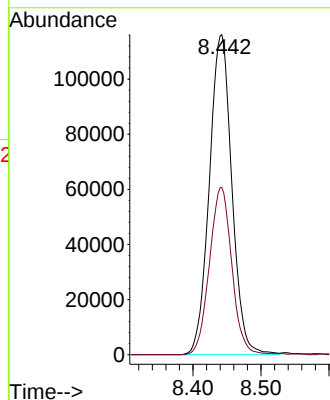
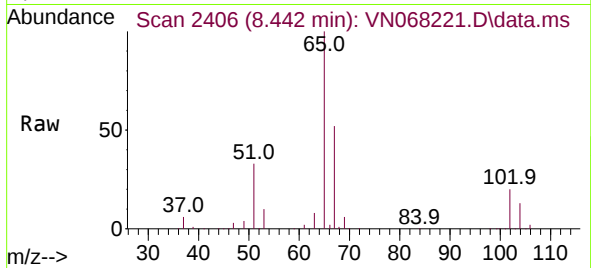




#33
 1,2-Dichloroethane-d4
 Concen: 54.201 ug/l
 RT: 8.442 min Scan# 2406
 Delta R.T. 0.002 min
 Lab File: VN068221.D
 Acq: 19 Aug 2021 17:04

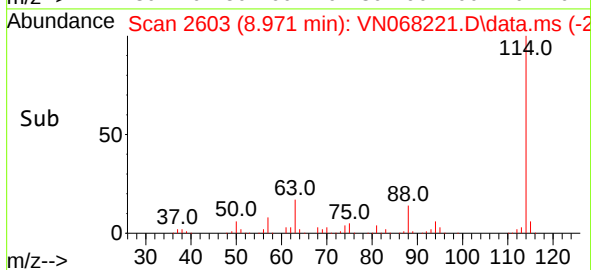
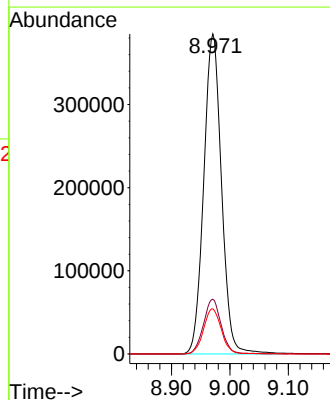
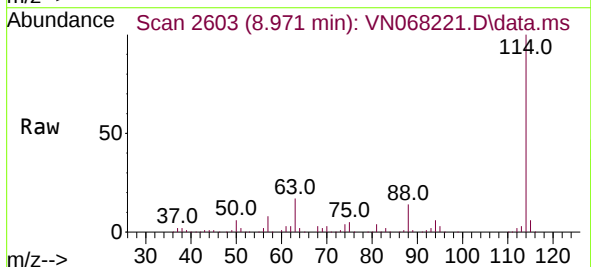
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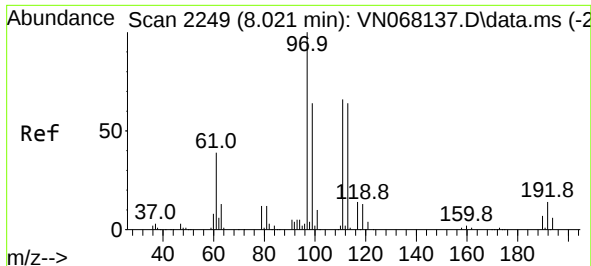
Tgt Ion: 65 Resp: 267993
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068221.D
 Acq: 19 Aug 2021 17:04

Tgt Ion: 114 Resp: 812943
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 49.0
 88 14.1 0.0 36.6

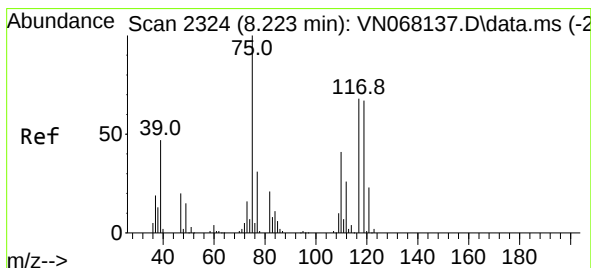
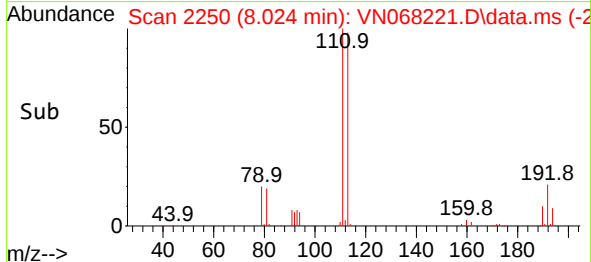
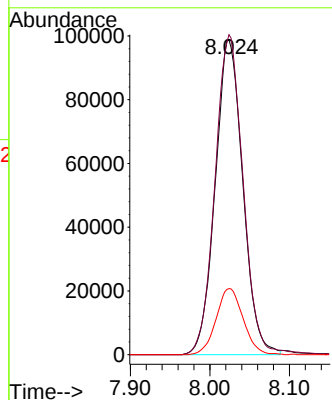
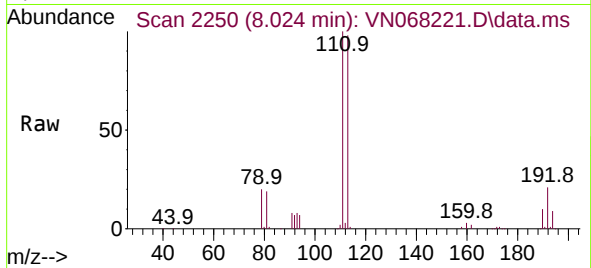




#35
Dibromofluoromethane
Concen: 46.667 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068221.D
Acq: 19 Aug 2021 17:04

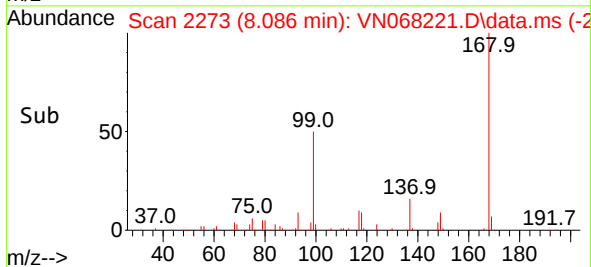
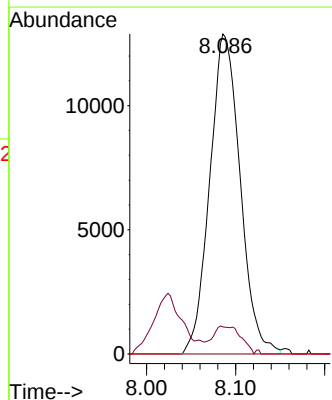
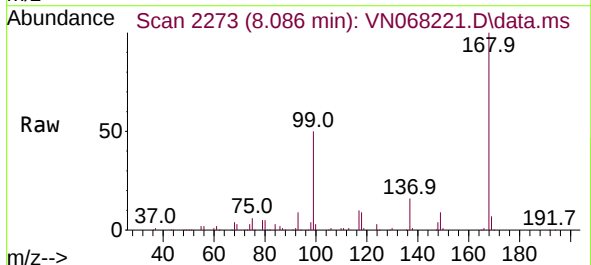
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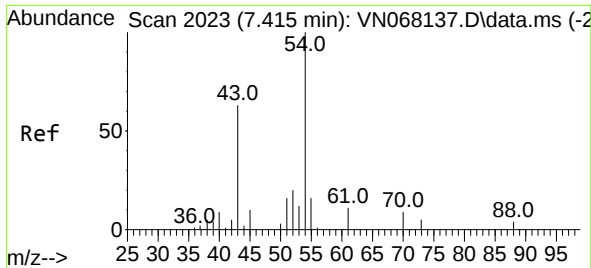
Tgt Ion:113 Resp: 238183
Ion Ratio Lower Upper
113 100
111 103.5 83.8 125.8
192 20.6 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.602 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068221.D
Acq: 19 Aug 2021 17:04

Tgt Ion: 75 Resp: 30580
Ion Ratio Lower Upper
75 100
110 7.9 15.7 47.0#
77 0.0 24.6 37.0#





#37

Ethyl Acetate

Concen: 0.581 ug/l

RT: 7.348 min Scan# 1998

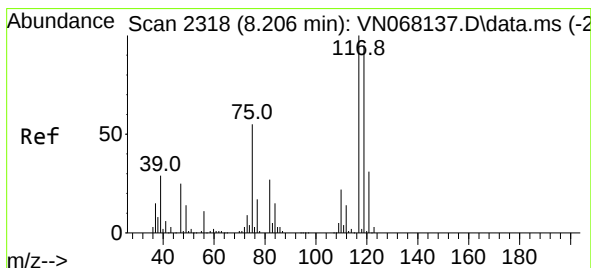
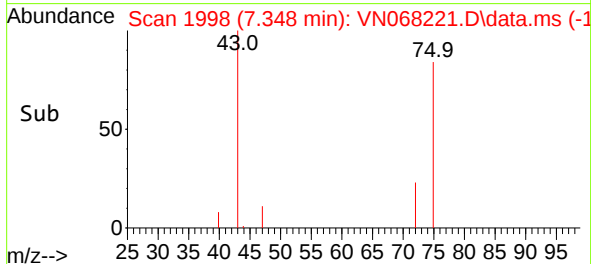
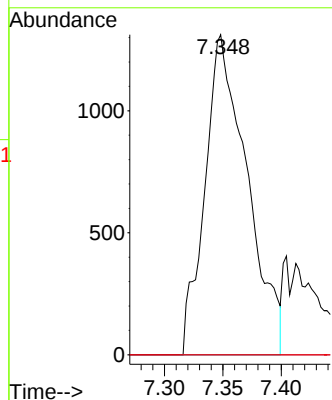
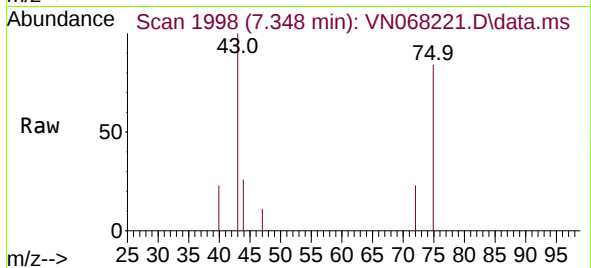
Delta R.T. -0.067 min

Lab File: VN068221.D

Acq: 19 Aug 2021 17:04

Tgt Ion:	43	Resp:	3292
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.1	12.1#

Instrument :
MSVOA_N
ClientSampleId :
PB138556TB



#38

Carbon Tetrachloride

Concen: 5.739 ug/l

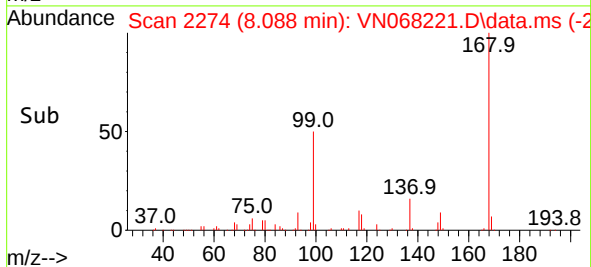
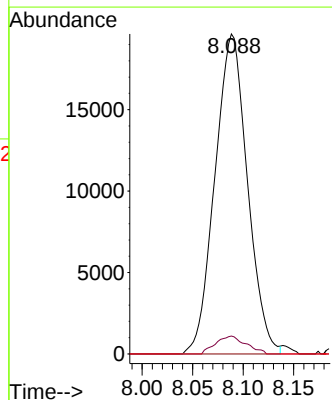
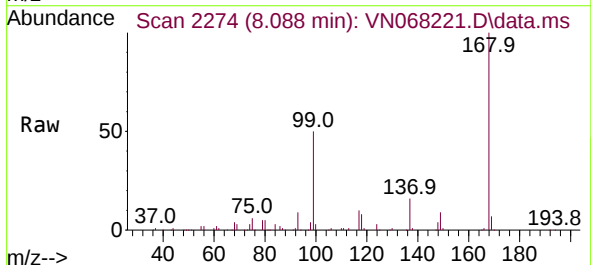
RT: 8.088 min Scan# 2274

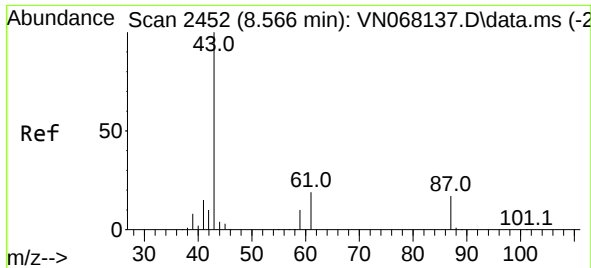
Delta R.T. -0.118 min

Lab File: VN068221.D

Acq: 19 Aug 2021 17:04

Tgt Ion:	117	Resp:	43988
Ion	Ratio	Lower	Upper
117	100		
119	5.6	75.4	113.2#
121	0.0	23.5	35.3#

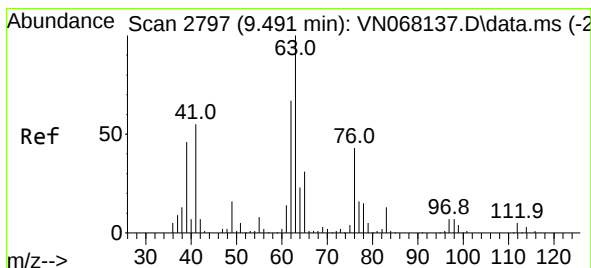
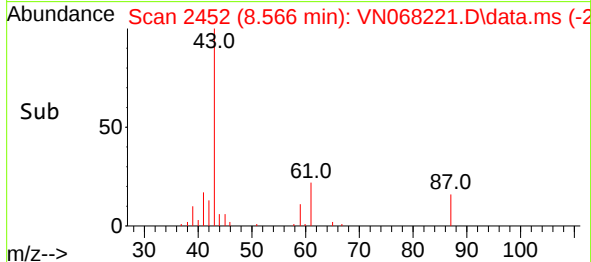
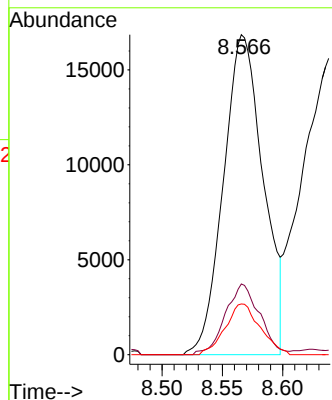
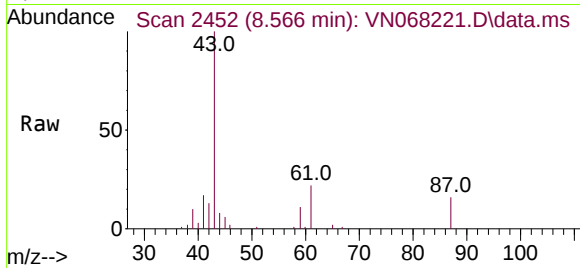




#43
Isopropyl Acetate
Concen: 4.262 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068221.D
Acq: 19 Aug 2021 17:04

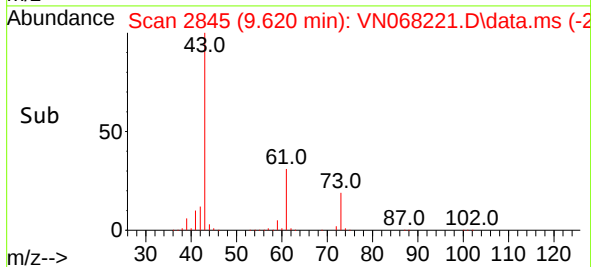
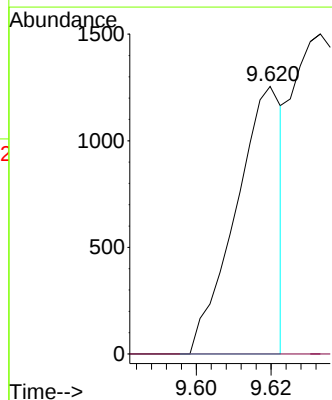
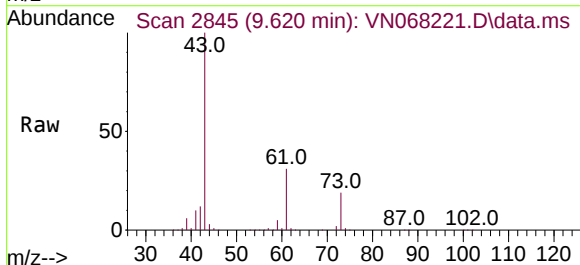
Instrument :
MSVOA_N
ClientSampleId :
PB138556TB

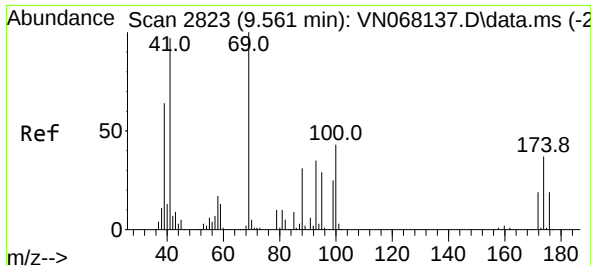
Tgt Ion:	43	Resp:	38652
Ion	Ratio	Lower	Upper
43	100		
61	19.1	19.0	28.4
87	13.9	9.5	14.3



#45
1,2-Dichloropropane
Concen: 0.226 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.129 min
Lab File: VN068221.D
Acq: 19 Aug 2021 17:04

Tgt Ion:	63	Resp:	1079
Ion	Ratio	Lower	Upper
63	100		
65	0.0	24.3	36.5#

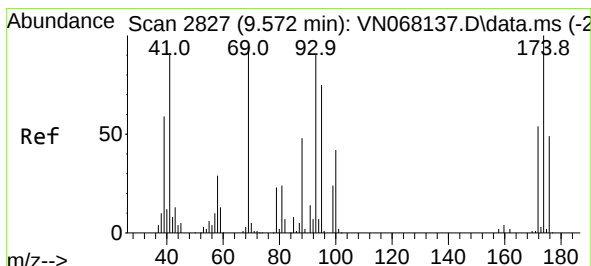
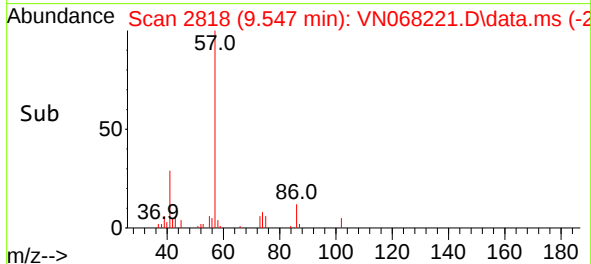
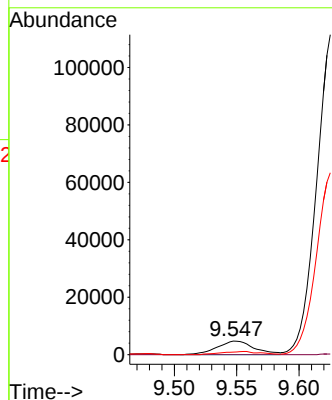
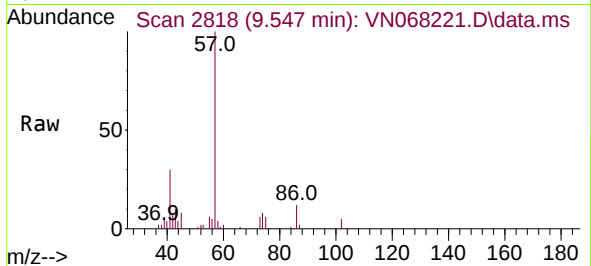




#48
Methyl methacrylate
Concen: 2.619 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068221.D
Acq: 19 Aug 2021 17:04

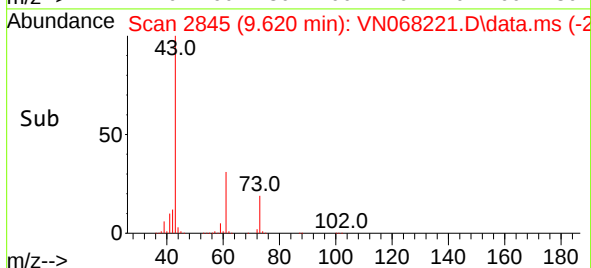
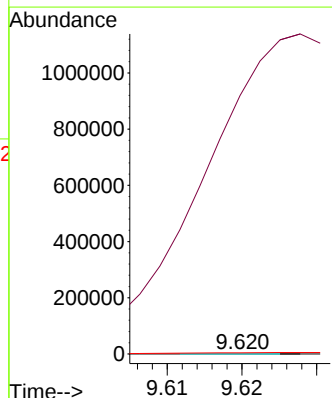
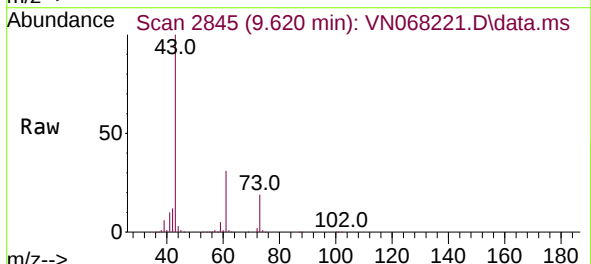
Instrument :
MSVOA_N
ClientSampleId :
PB138556TB

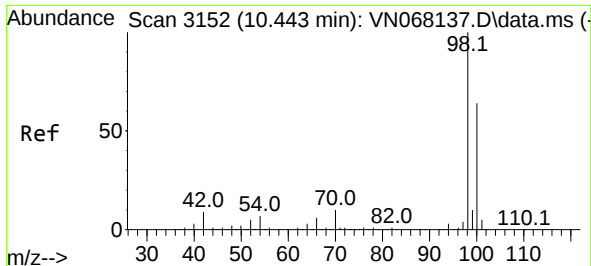
Tgt Ion: 41 Resp: 9897
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 1.281 ug/l
RT: 9.620 min Scan# 2845
Delta R.T. 0.048 min
Lab File: VN068221.D
Acq: 19 Aug 2021 17:04

Tgt Ion: 88 Resp: 117
Ion Ratio Lower Upper
88 100
43 1822700.9 28.8 43.2#
58 9189.7 60.4 90.6#

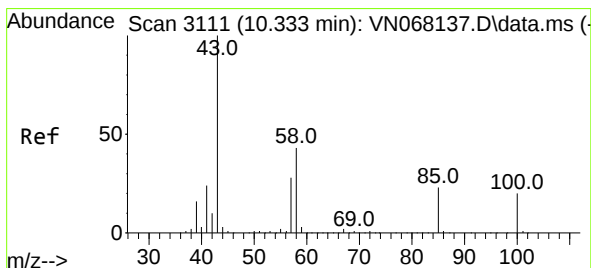
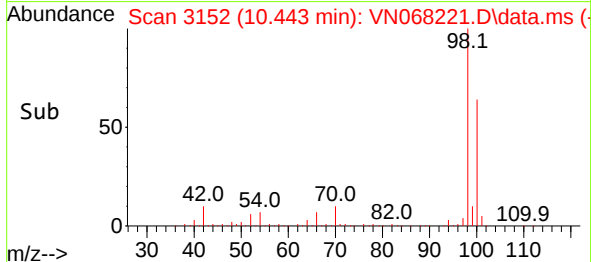
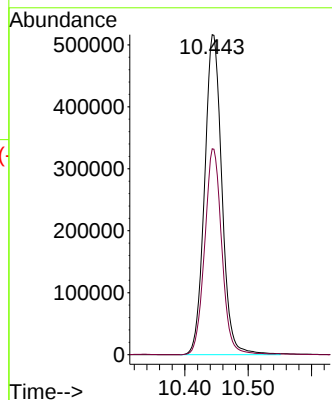
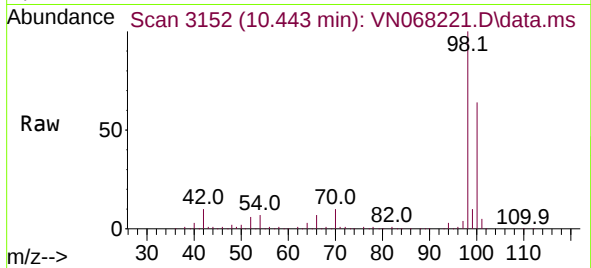




#50
Toluene-d8
Concen: 50.366 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068221.D
Acq: 19 Aug 2021 17:04

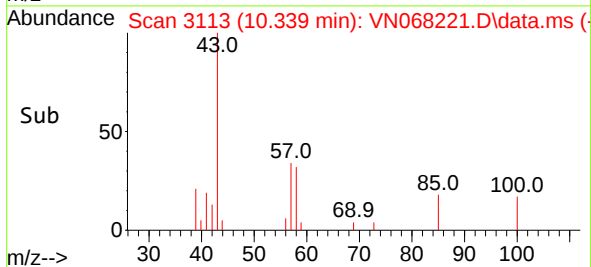
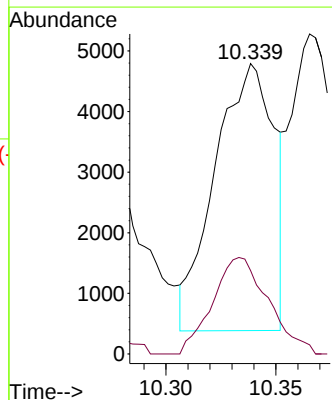
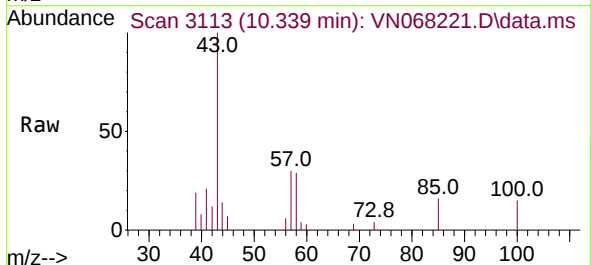
Instrument :
MSVOA_N
ClientSampleId :
PB138556TB

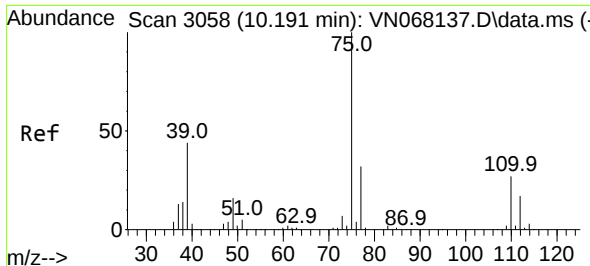
Tgt Ion: 98 Resp: 979498
Ion Ratio Lower Upper
98 100
100 63.6 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 1.473 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.005 min
Lab File: VN068221.D
Acq: 19 Aug 2021 17:04

Tgt Ion: 43 Resp: 8207
Ion Ratio Lower Upper
43 100
58 34.2 28.6 43.0

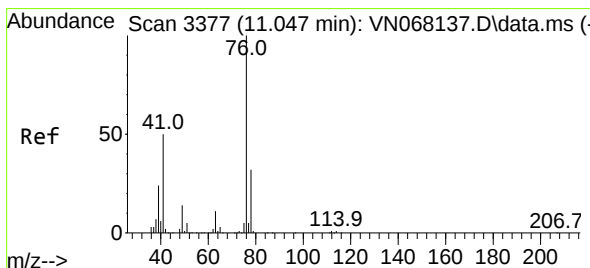
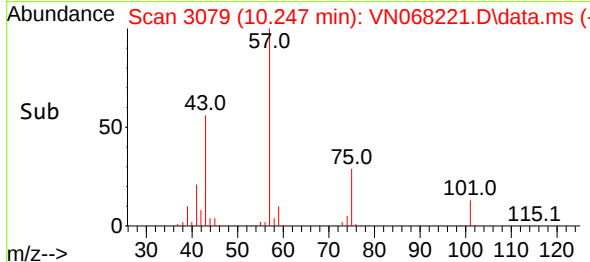
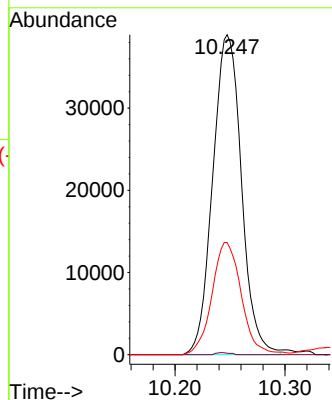
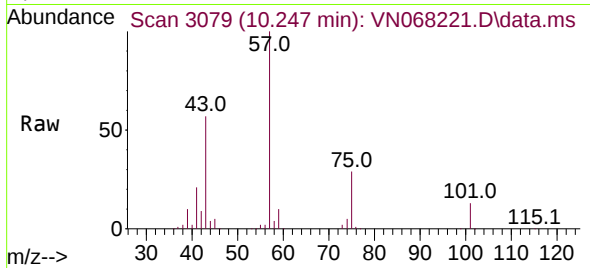




#54
 cis-1,3-Dichloropropene
 Concen: 9.159 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN068221.D
 Acq: 19 Aug 2021 17:04

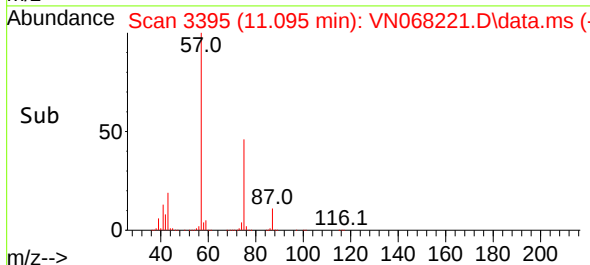
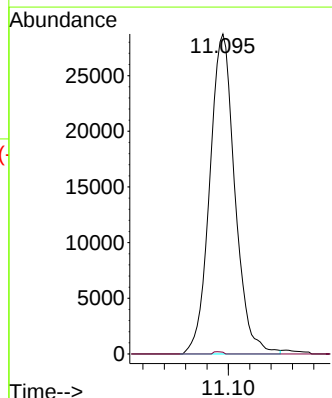
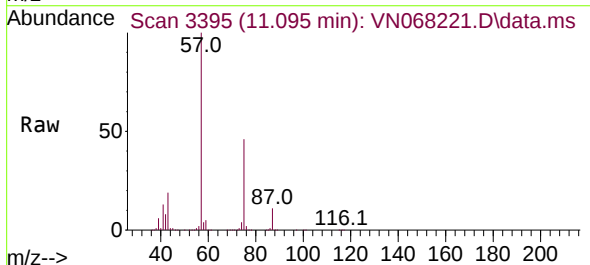
Instrument :
 MSVOA_N
 ClientSampleId :
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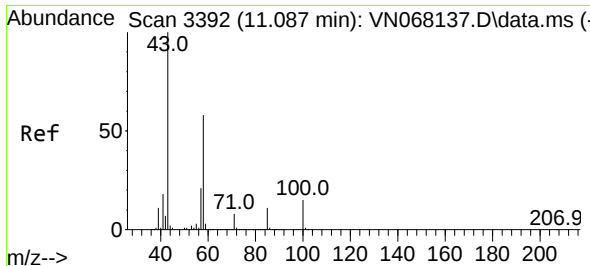
Tgt Ion: 75 Resp: 70492
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.6 37.0#
 39 35.1 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 5.519 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.048 min
 Lab File: VN068221.D
 Acq: 19 Aug 2021 17:04

Tgt Ion: 76 Resp: 46969
 Ion Ratio Lower Upper
 76 100
 78 0.3 25.7 38.5#

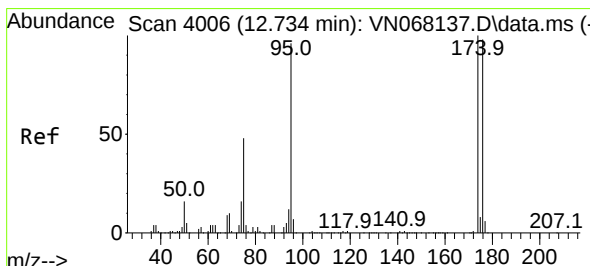
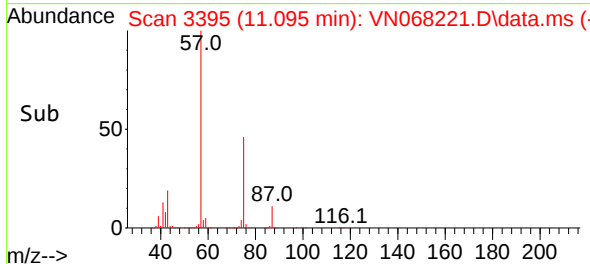
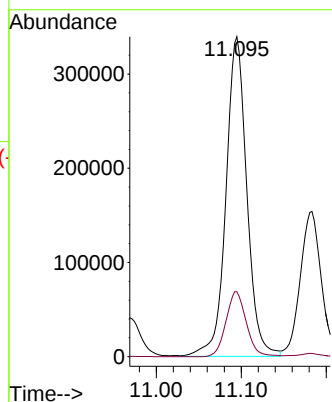
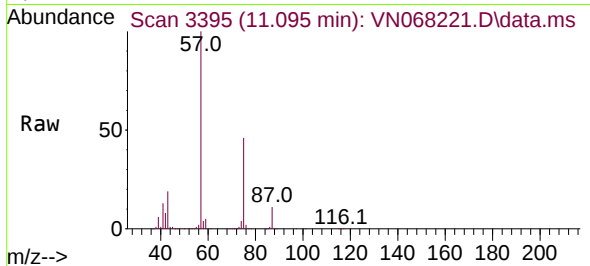




#59
2-Hexanone
Concen: 150.019 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068221.D
Acq: 19 Aug 2021 17:04

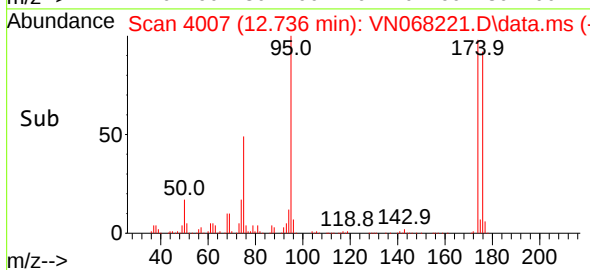
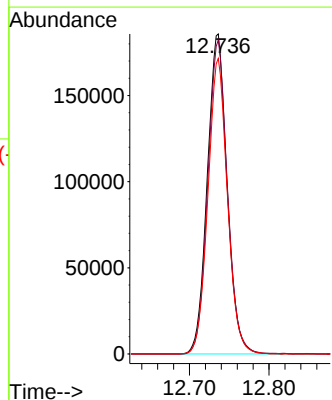
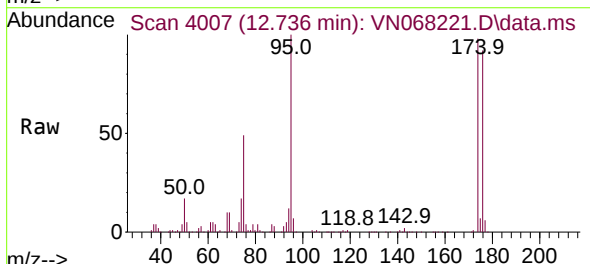
Instrument :
MSVOA_N
ClientSampleId :
PB138556TB

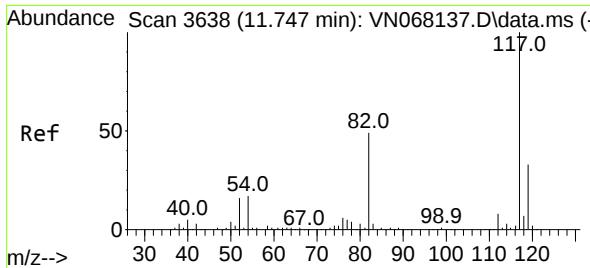
Tgt Ion: 43 Resp: 580289
Ion Ratio Lower Upper
43 100
58 19.8 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 49.606 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068221.D
Acq: 19 Aug 2021 17:04

Tgt Ion: 95 Resp: 321152
Ion Ratio Lower Upper
95 100
174 97.1 0.0 122.0
176 90.9 0.0 117.6

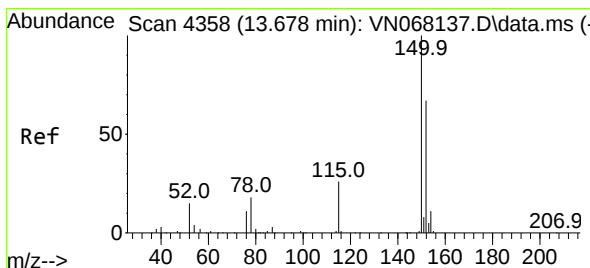
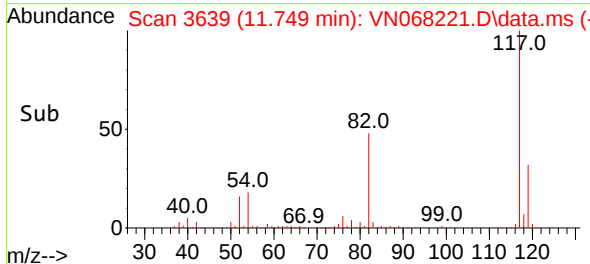
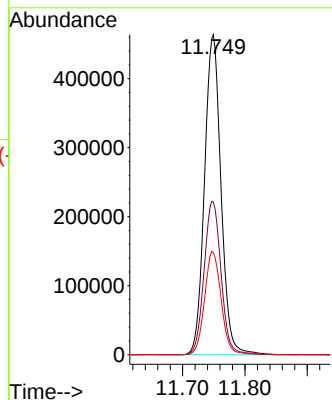
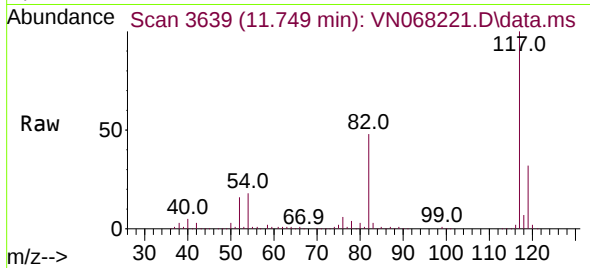




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068221.D
Acq: 19 Aug 2021 17:04

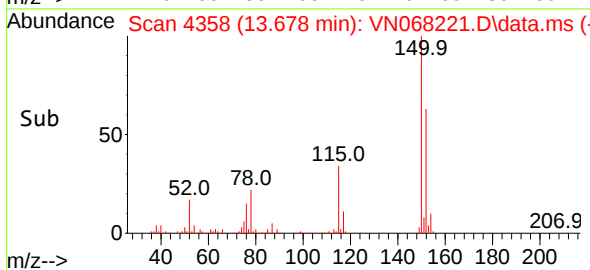
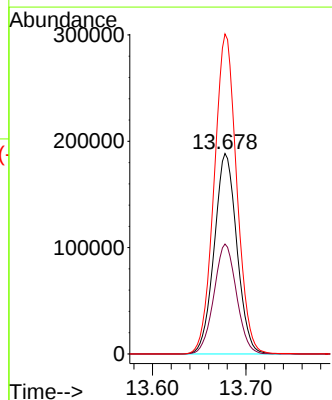
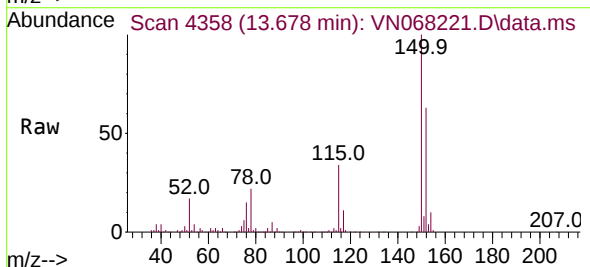
Instrument :
MSVOA_N
ClientSampleId :
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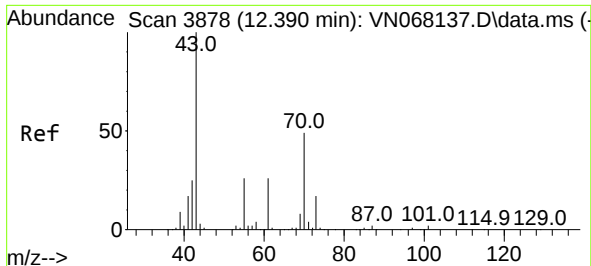
Tgt Ion:117 Resp: 853716
Ion Ratio Lower Upper
117 100
82 47.7 53.1 79.7#
119 32.0 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068221.D
Acq: 19 Aug 2021 17:04

Tgt Ion:152 Resp: 317338
Ion Ratio Lower Upper
152 100
115 54.9 36.1 108.5
150 159.5 0.0 351.8

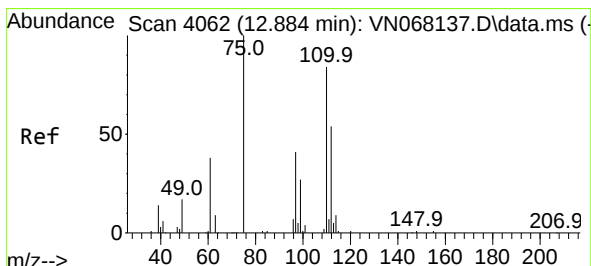
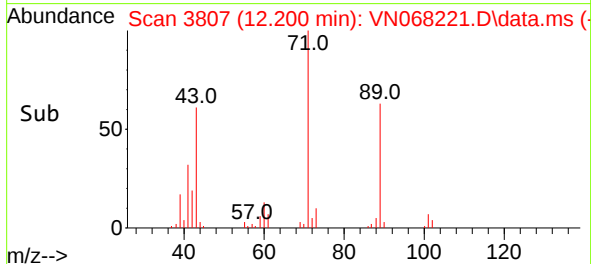
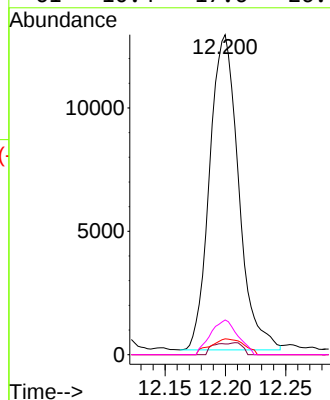
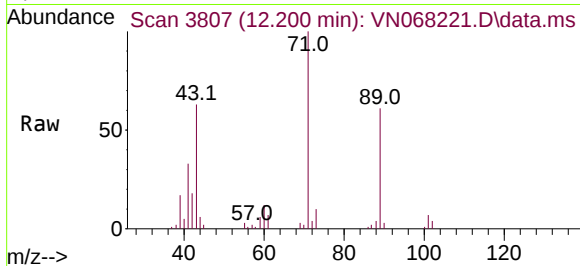




#74
N-amy1 acetate
Concen: 3.630 ug/l
RT: 12.200 min Scan# 3807
Delta R.T. -0.190 min
Lab File: VN068221.D
Acq: 19 Aug 2021 17:04

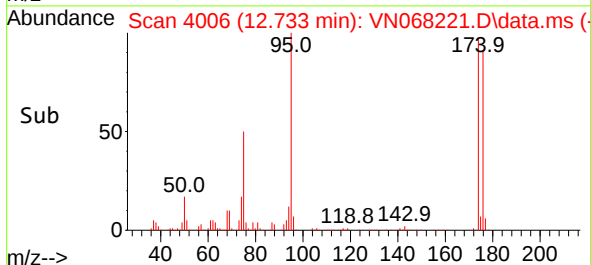
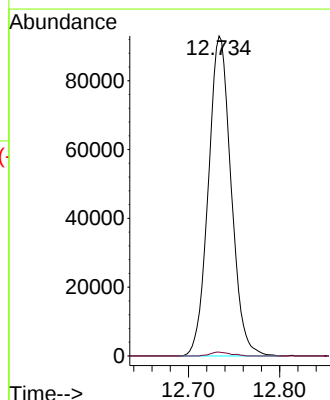
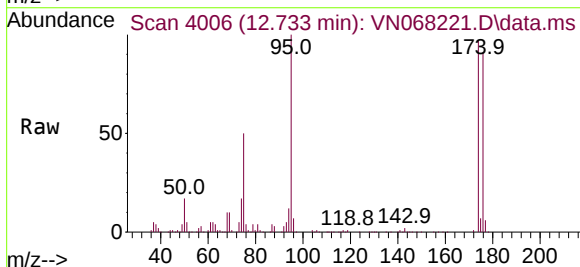
Instrument :
MSVOA_N
ClientSampleId :
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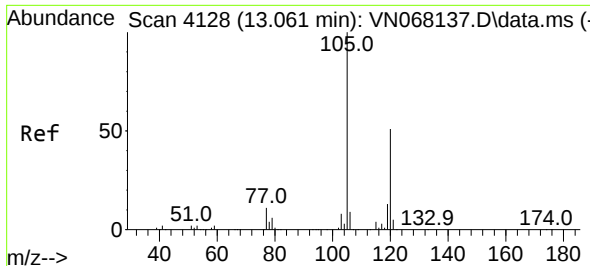
Tgt Ion: 43	Resp: 21331
Ion Ratio	Lower Upper
43 100	
70 1.8	29.4 44.2#
55 5.8	17.0 25.4#
61 10.4	17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 30.520 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068221.D
Acq: 19 Aug 2021 17:04

Tgt Ion: 75	Resp: 160977
Ion Ratio	Lower Upper
75 100	
77 1.1	0.0 0.0#

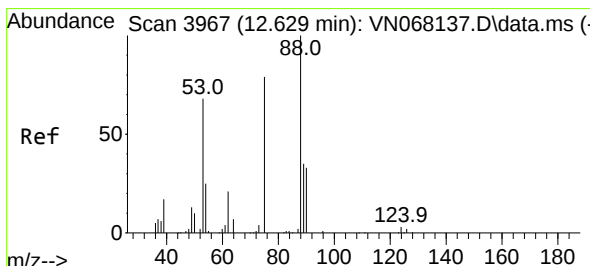
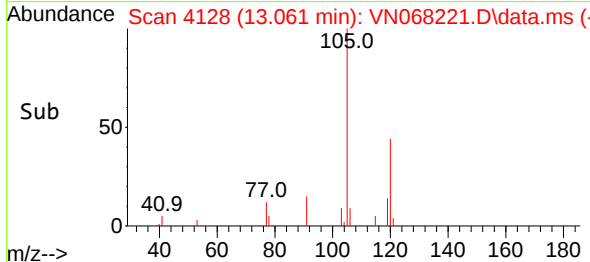
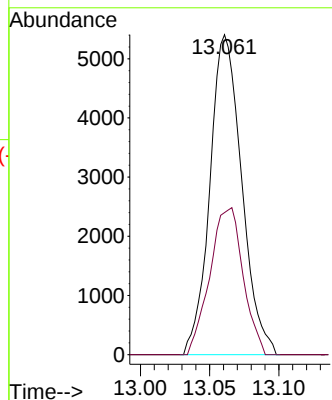
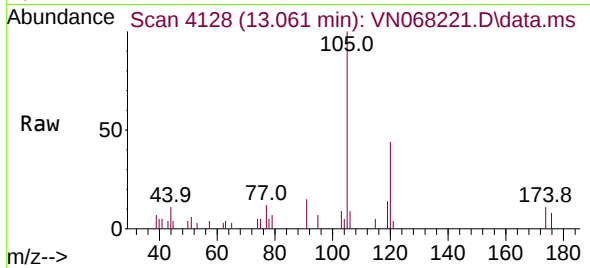




#80
1,3,5-Trimethylbenzene
Concen: 0.474 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.000 min
Lab File: VN068221.D
Acq: 19 Aug 2021 17:04

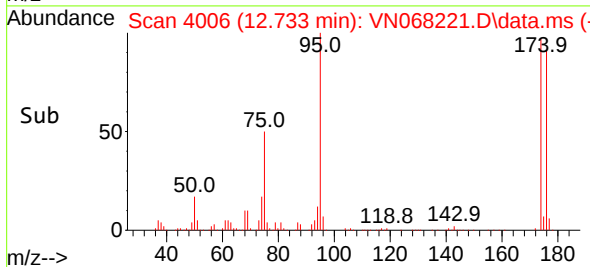
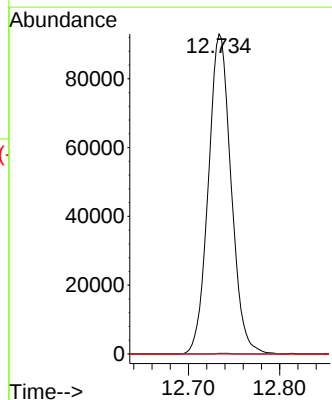
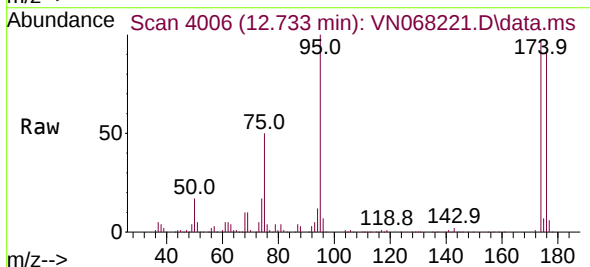
Instrument :
MSVOA_N
ClientSampleId :
PB138556TB

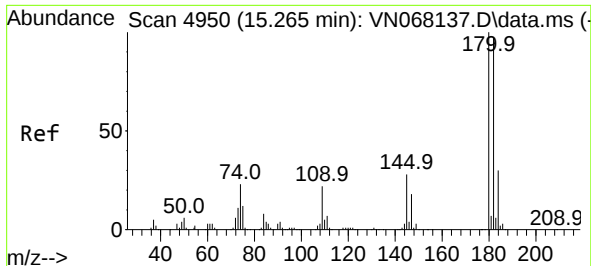
Tgt Ion:105 Resp: 8646
Ion Ratio Lower Upper
105 100
120 47.9 22.2 66.6



#81
trans-1,4-Dichloro-2-butene
Concen: 99.988 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068221.D
Acq: 19 Aug 2021 17:04

Tgt Ion: 75 Resp: 160977
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

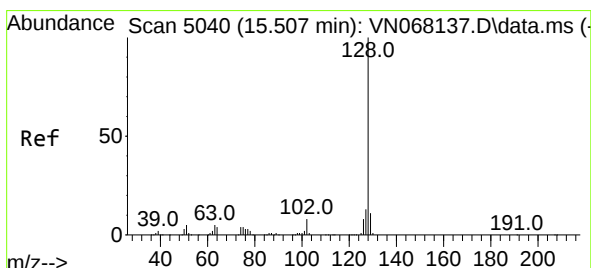
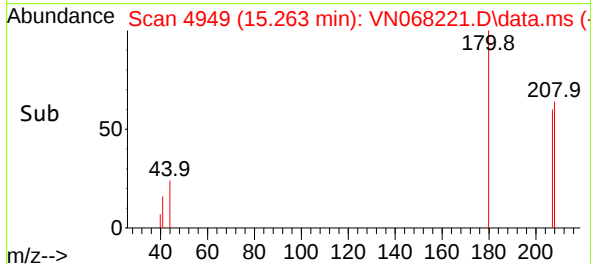
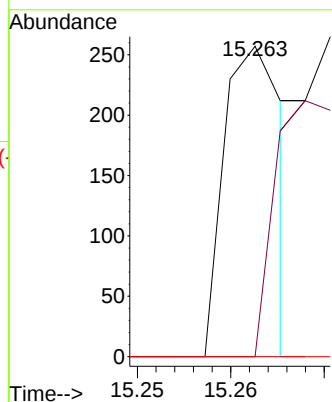
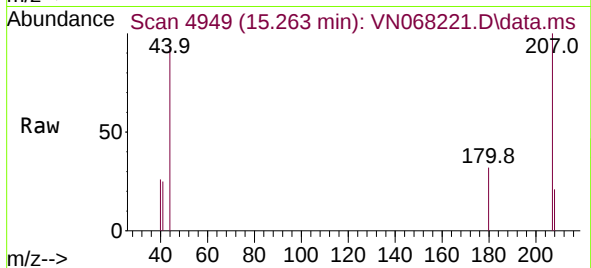




#93
1,2,4-Trichlorobenzene
Concen: 2.705 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN068221.D
Acq: 19 Aug 2021 17:04

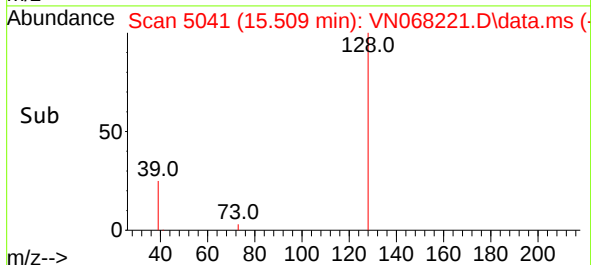
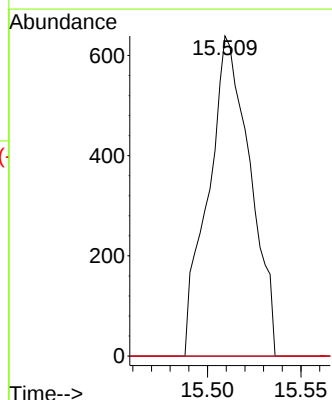
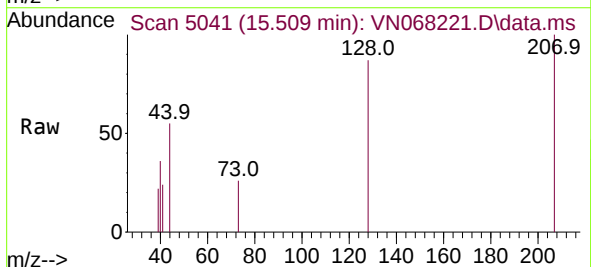
Instrument :
MSVOA_N
ClientSampleId :
PB138556TB

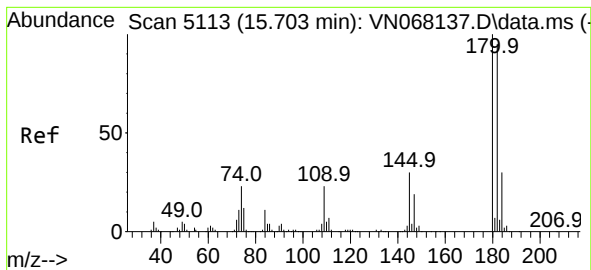
Tgt Ion:180 Resp: 113
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 17.2 51.6#



#95
Naphthalene
Concen: 3.419 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068221.D
Acq: 19 Aug 2021 17:04

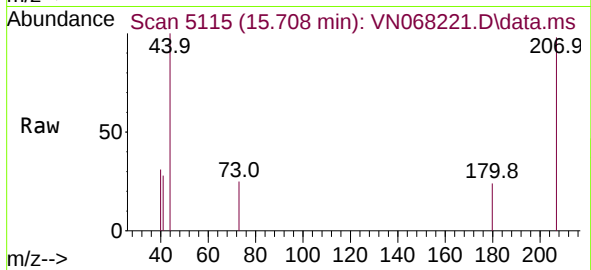
Tgt Ion:128 Resp: 996
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.846 ug/l
 RT: 15.708 min Scan# 5115
 Delta R.T. 0.005 min
 Lab File: VN068221.D
 Acq: 19 Aug 2021 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 PB138556TB



Tgt Ion:	180	Resp:	78
Ion Ratio	Lower	Upper	
180	100		
182	67.9	47.8	143.3
145	0.0	18.2	54.6#

