

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090921\
 Data File : VN068450.D
 Acq On : 9 Sep 2021 18:41
 Operator : JC/MD
 Sample : M3671-01RE
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 FILTER-MEDIA-FILTERSRE

Quant Time: Sep 10 04:13:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 10 04:04:05 2021
 Response via : Initial Calibration

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

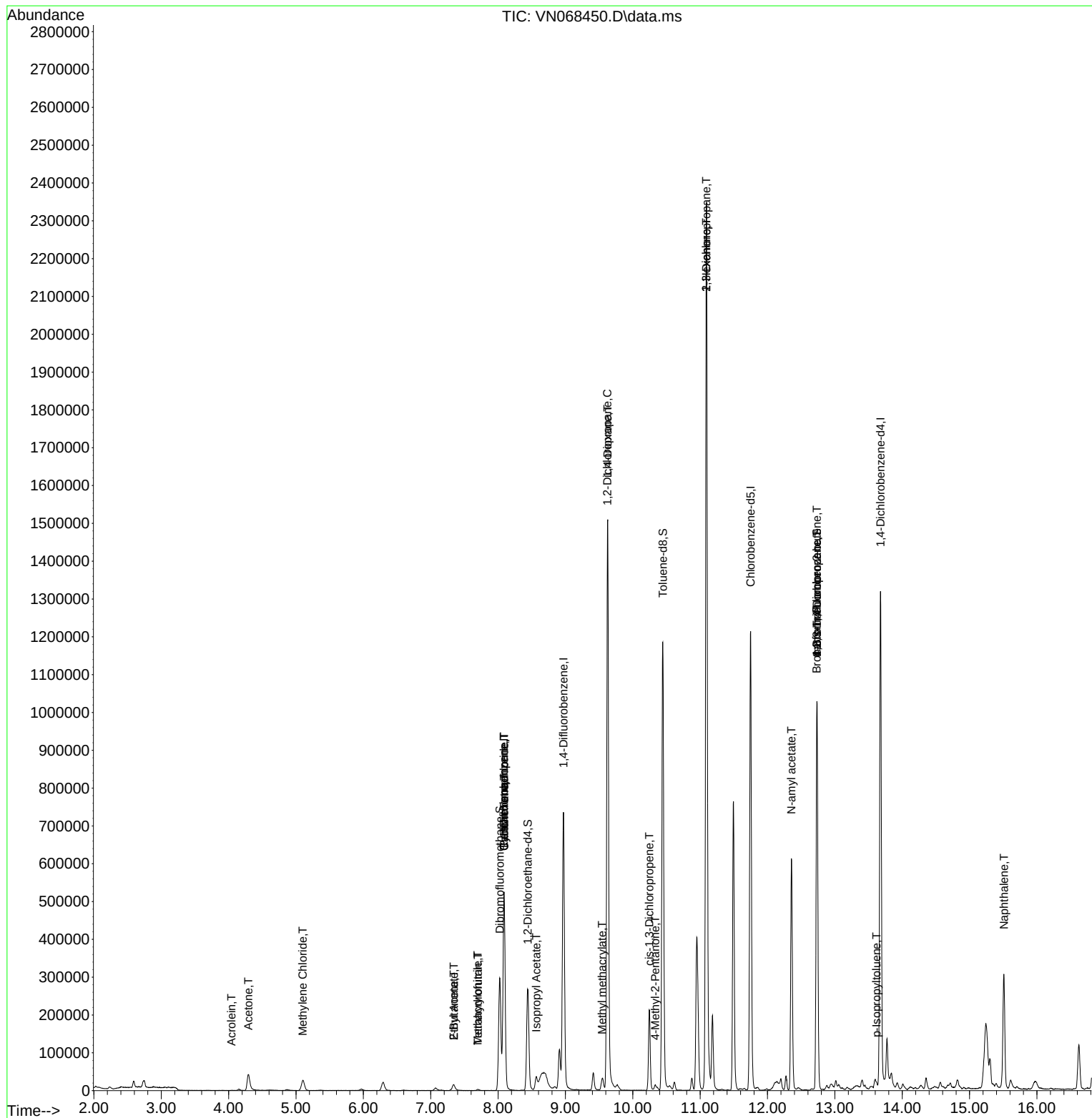
Internal Standards						
1) Pentafluorobenzene	8.088	168	443405	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	722075	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	788938	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	401020	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	230973	56.787	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 113.580%			
35) Dibromofluoromethane	8.027	113	218021	50.062	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.120%			
50) Toluene-d8	10.446	98	907942	57.394	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 114.780%			
62) 4-Bromofluorobenzene	12.733	95	351913	69.520	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 139.040%#			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.385	59	794	Below Cal	#	84
13) Acrolein	4.041	56	132	0.437	ug/l #	12
16) Acetone	4.293	43	81899	60.848	ug/l	97
18) Methyl Acetate	4.867	43	5155	Below Cal	#	79
20) Methylene Chloride	5.098	84	23810	5.033	ug/l	97
25) 2-Butanone	7.343	43	25258	12.779	ug/l	100
29) Tetrahydrofuran	7.702	42	1626	1.260	ug/l #	59
31) Cyclohexane	8.091	56	7487	1.215	ug/l #	31
36) 1,1-Dichloropropene	8.088	75	28143	4.675	ug/l #	46
37) Ethyl Acetate	7.343	43	25258	5.516	ug/l #	66
38) Carbon Tetrachloride	8.091	117	40166	5.569	ug/l #	18
41) Methacrylonitrile	7.697	41	743	0.330	ug/l #	18
43) Isopropyl Acetate	8.568	43	44941	5.563	ug/l #	78
45) 1,2-Dichloropropane	9.622	63	2011	0.473	ug/l #	44
48) Methyl methacrylate	9.545	41	8714	2.583	ug/l #	6
49) 1,4-Dioxane	9.625	88	93	1.202	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	8100	1.756	ug/l	92
54) cis-1,3-Dichloropropene	10.245	75	42622	6.248	ug/l #	65
57) 1,3-Dichloropropane	11.092	76	22656	3.133	ug/l #	42
59) 2-Hexanone	11.092	43	612382	198.266	ug/l	75
71) Bromoform	12.731	173	4221	0.864	ug/l #	1
74) N-amyl acetate	12.355	43	384873	60.491	ug/l #	42
76) 1,2,3-Trichloropropane	12.733	75	177365	28.018	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.733	75	177365	98.019	ug/l #	13
86) p-Isopropyltoluene	13.619	119	5781	0.245	ug/l	96
95) Naphthalene	15.509	128	306641	21.462	ug/l	99

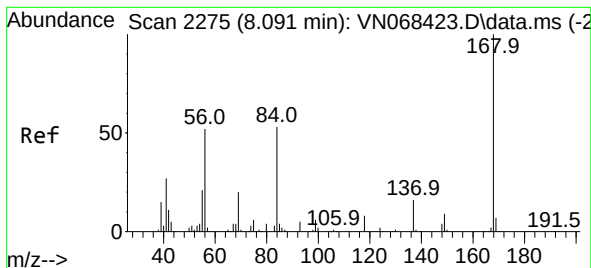
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Sep 10 04:04:05 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.003 min

Lab File: VN068450.D

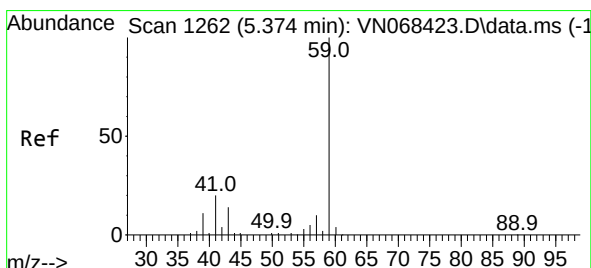
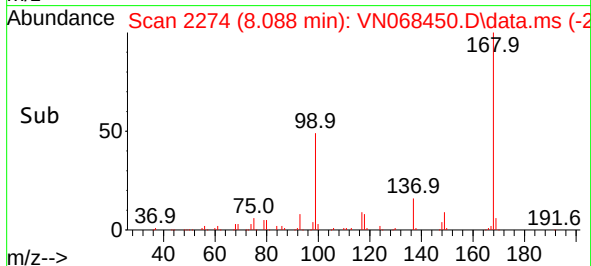
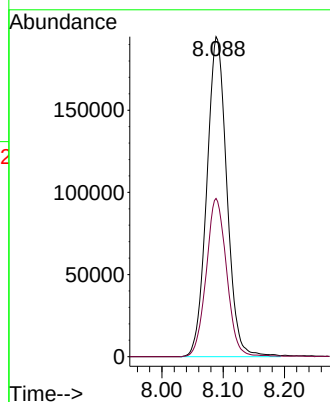
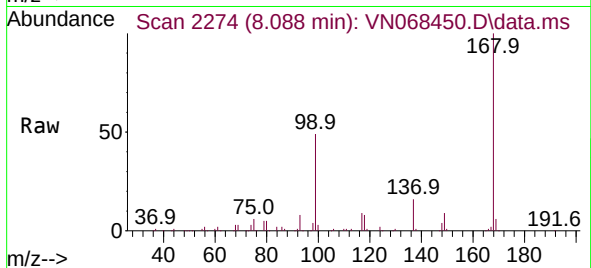
Acq: 9 Sep 2021 18:41

Tgt Ion:168 Resp: 443405

Ion Ratio Lower Upper

168 100

99 49.4 38.2 57.4



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.385 min Scan# 1266

Delta R.T. 0.011 min

Lab File: VN068450.D

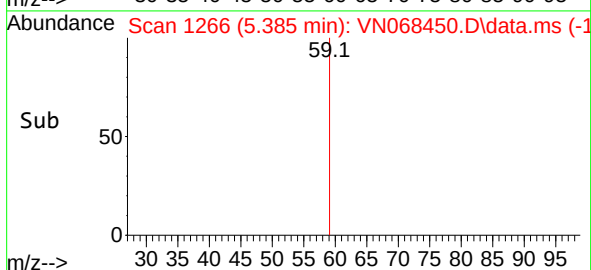
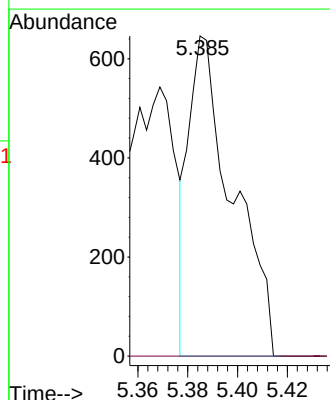
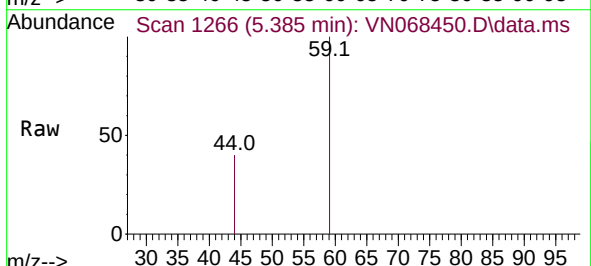
Acq: 9 Sep 2021 18:41

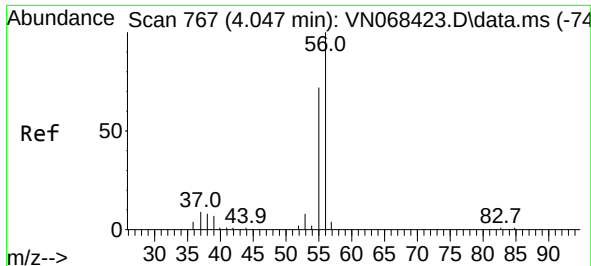
Tgt Ion: 59 Resp: 794

Ion Ratio Lower Upper

59 100

57 0.0 4.3 6.5#

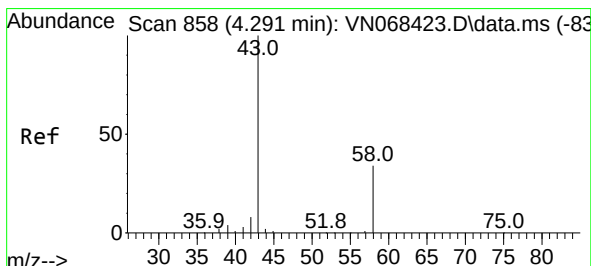
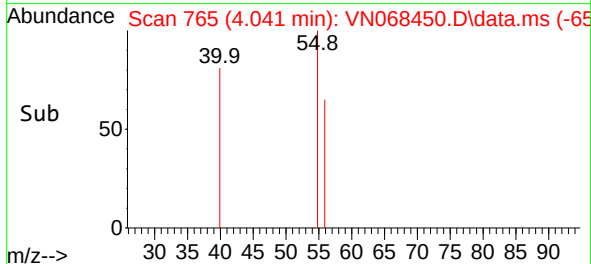
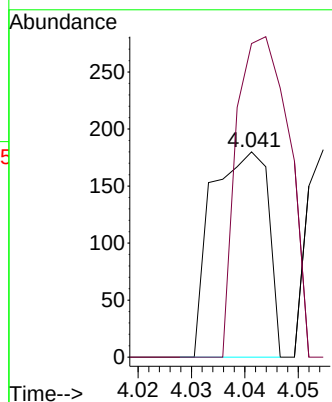
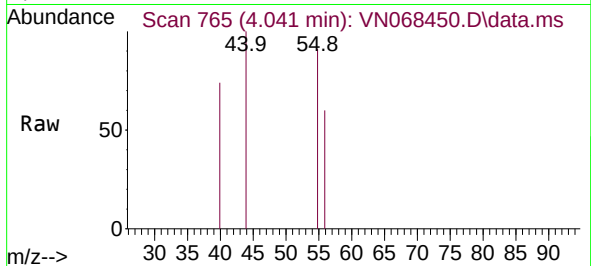




#13
Acrolein
Concen: 0.437 ug/l
RT: 4.041 min Scan# 765
Delta R.T. -0.005 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

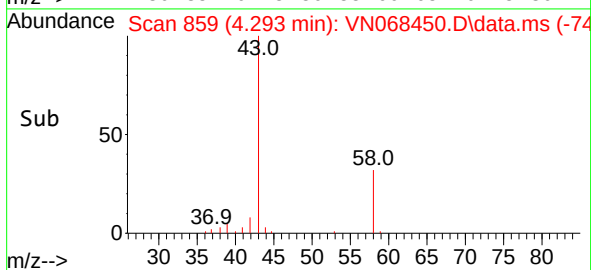
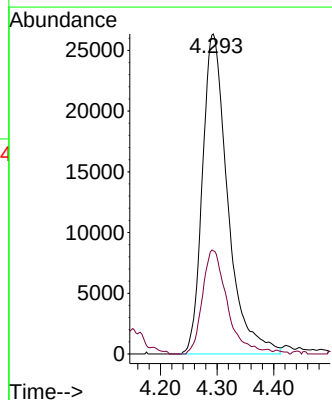
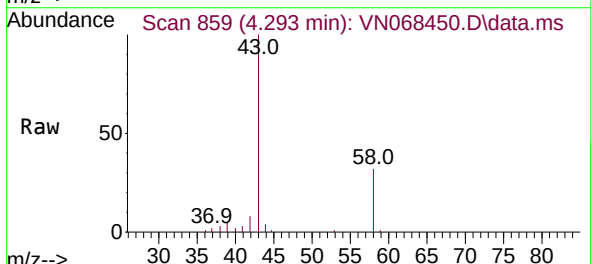
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ClientSampleId :
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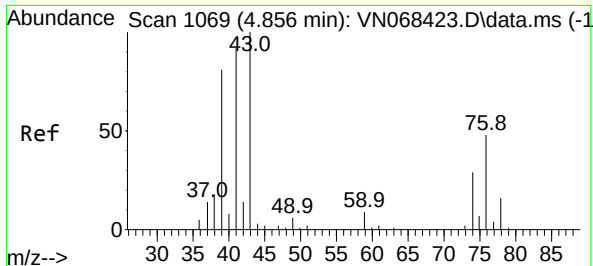
Tgt Ion: 56 Resp: 132
Ion Ratio Lower Upper
56 100
55 143.9 56.8 85.2#



#16
Acetone
Concen: 60.848 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.003 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

Tgt Ion: 43 Resp: 81899
Ion Ratio Lower Upper
43 100
58 32.3 27.0 40.6





#18

Methyl Acetate

Concen: Below Cal

RT: 4.867 min Scan# 1073

Delta R.T. 0.011 min

Lab File: VN068450.D

Acq: 9 Sep 2021 18:41

Tgt Ion: 43 Resp: 5155

Ion Ratio Lower Upper

43 100

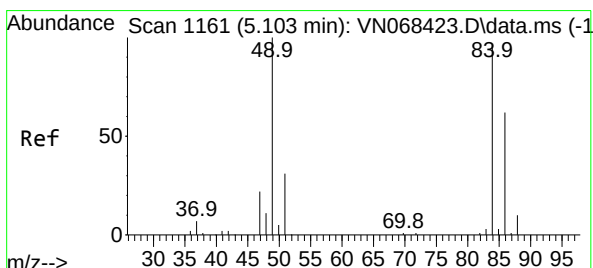
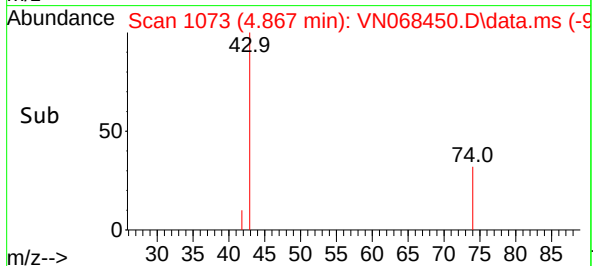
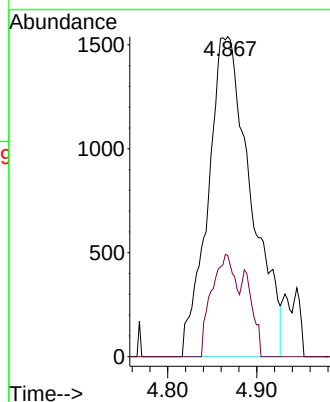
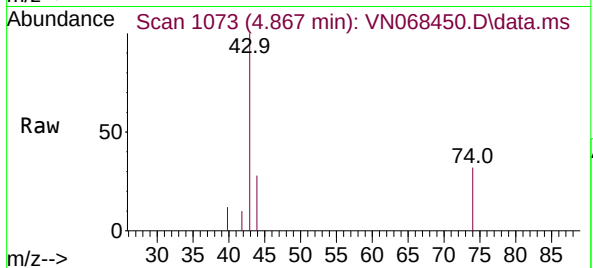
74 18.1 23.5 35.3#

Instrument :

MSVOA_N

ClientSampleId :

FILTER-MEDIA-FILTERSRE



#20

Methylene Chloride

Concen: 5.033 ug/l

RT: 5.098 min Scan# 1159

Delta R.T. -0.005 min

Lab File: VN068450.D

Acq: 9 Sep 2021 18:41

Tgt Ion: 84 Resp: 23810

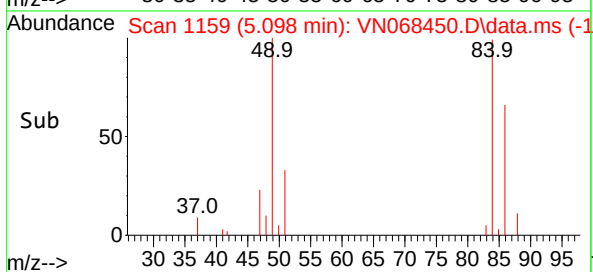
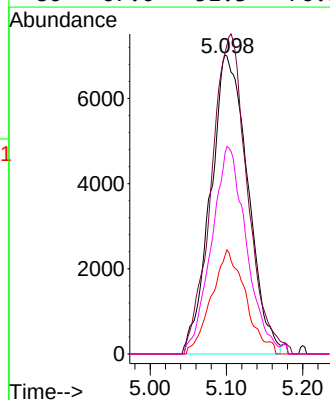
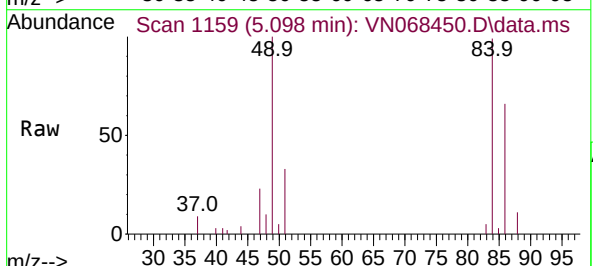
Ion Ratio Lower Upper

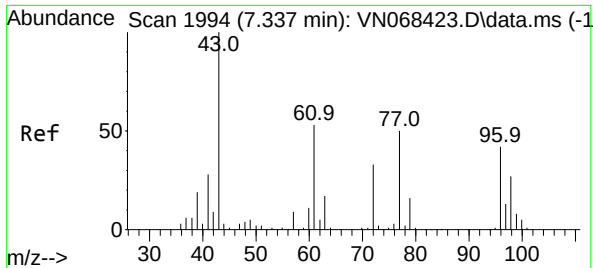
84 100

49 100.7 83.0 124.6

51 32.8 25.4 38.0

86 67.0 51.3 76.9

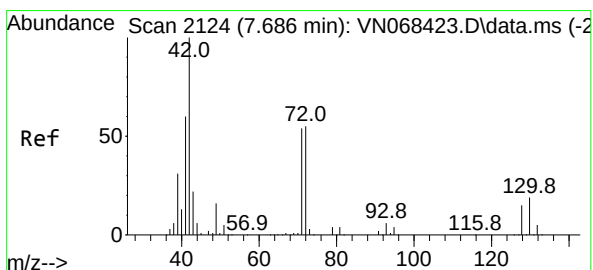
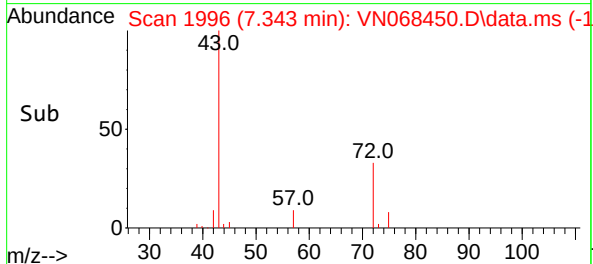
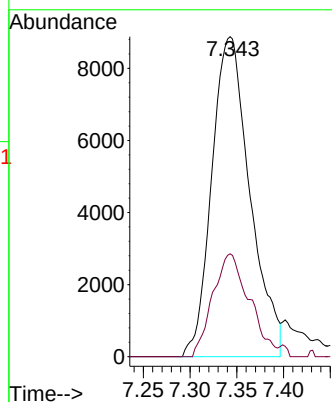
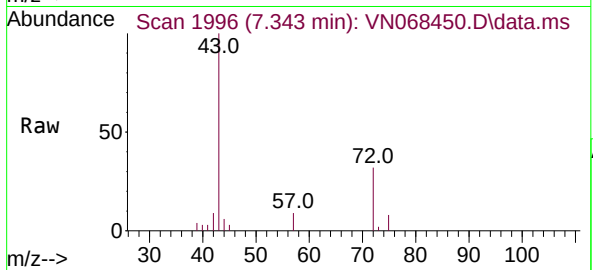




#25
2-Butanone
Concen: 12.779 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.005 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

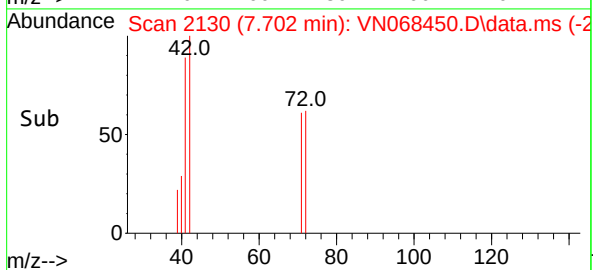
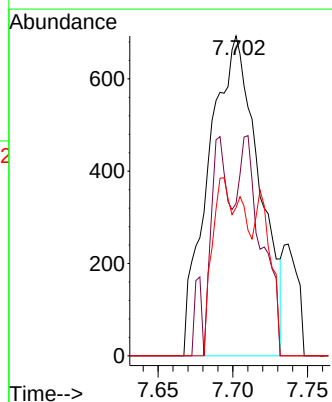
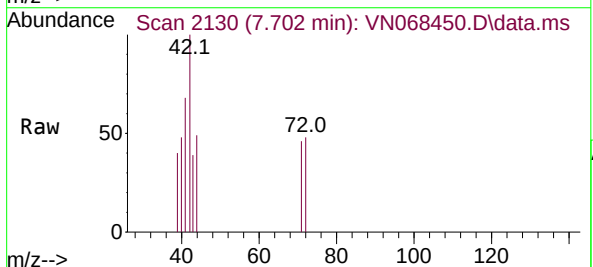
Instrument :
MSVOA_N
ClientSampleId :
FILTER-MEDIA-FILTERSRE

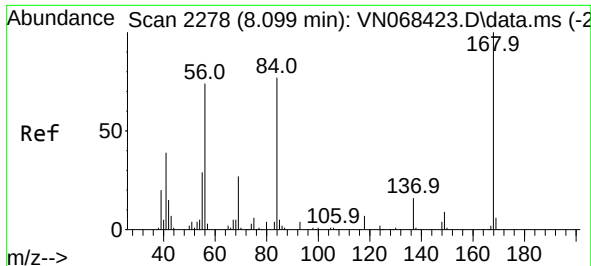
Tgt Ion: 43 Resp: 25258
Ion Ratio Lower Upper
43 100
72 33.6 26.7 40.1



#29
Tetrahydrofuran
Concen: 1.260 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.016 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

Tgt Ion: 42 Resp: 1626
Ion Ratio Lower Upper
42 100
72 33.3 44.4 66.6#
71 15.7 42.3 63.5#

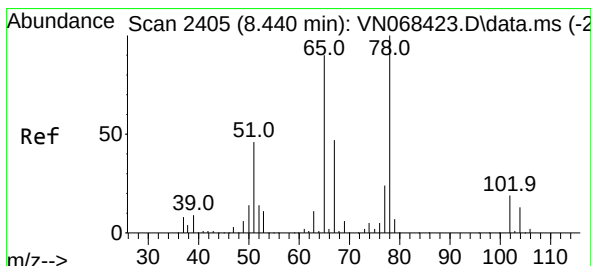
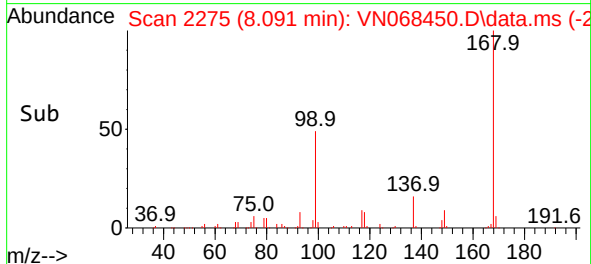
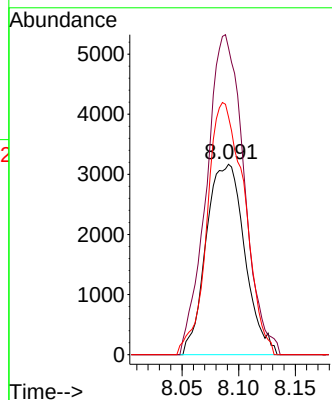
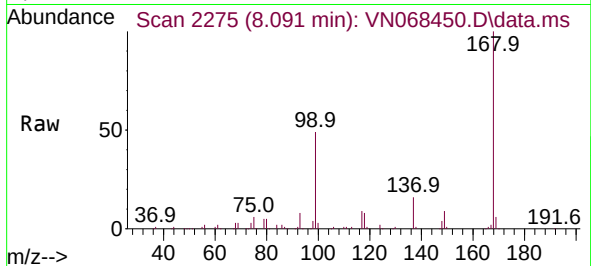




#31
Cyclohexane
Concen: 1.215 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.008 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

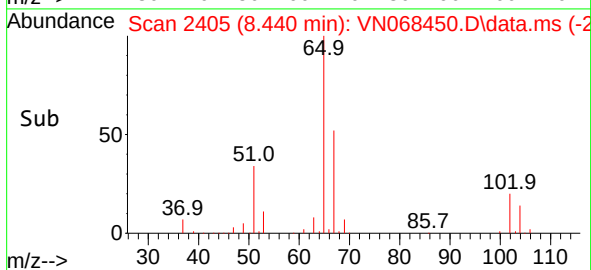
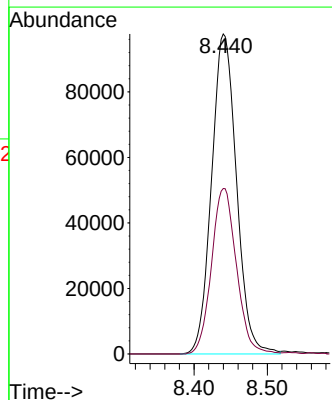
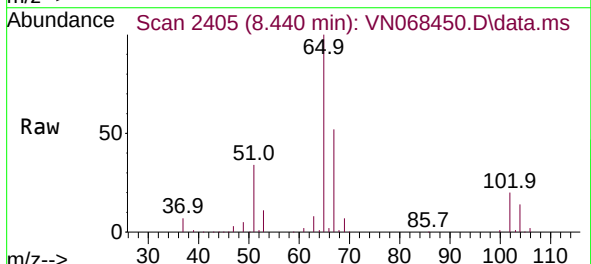
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MSVOA_N
ClientSampleId :
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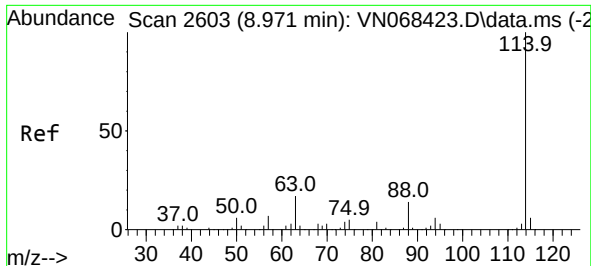
Tgt Ion: 56 Resp: 7487
Ion Ratio Lower Upper
56 100
69 161.2 29.4 44.0#
84 124.9 83.6 125.4



#33
1,2-Dichloroethane-d4
Concen: 56.787 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.000 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

Tgt Ion: 65 Resp: 230973
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.0

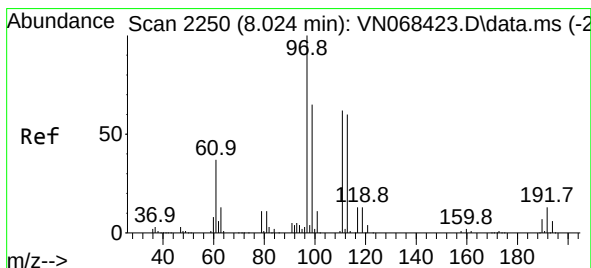
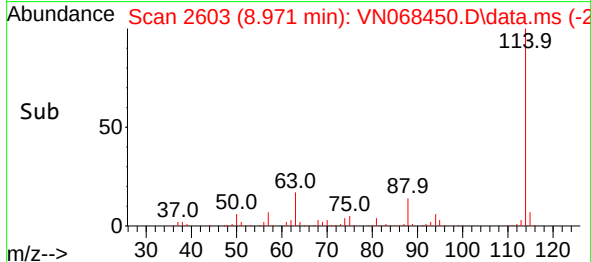
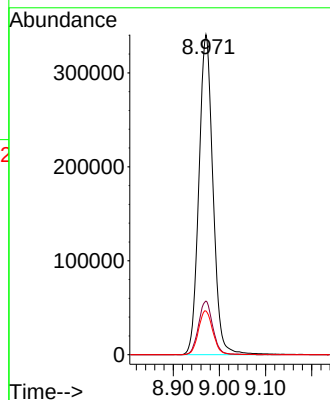
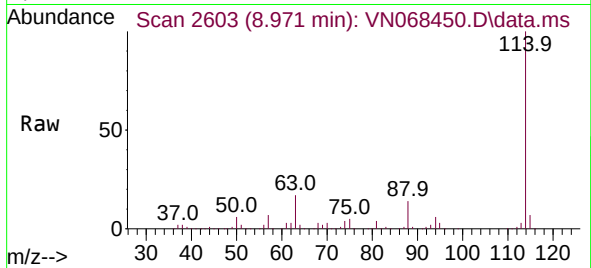




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

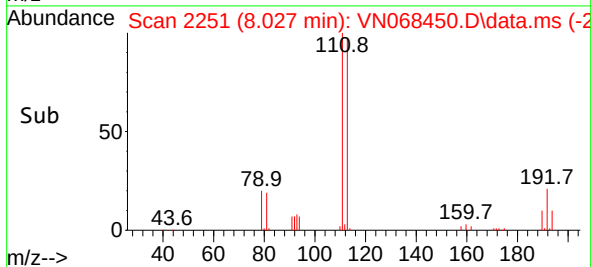
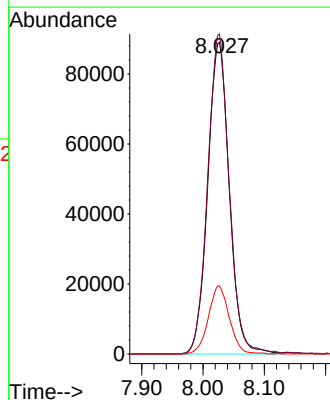
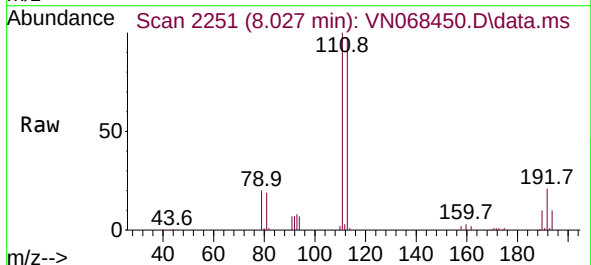
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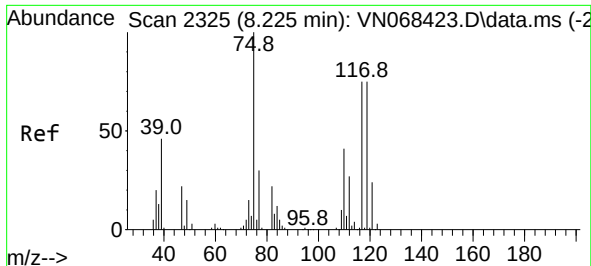
Tgt Ion:114 Resp: 722075
Ion Ratio Lower Upper
114 100
63 16.8 0.0 33.2
88 13.6 0.0 28.4



#35
Dibromofluoromethane
Concen: 50.062 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.003 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

Tgt Ion:113 Resp: 218021
Ion Ratio Lower Upper
113 100
111 101.2 81.1 121.7
192 21.2 17.7 26.5



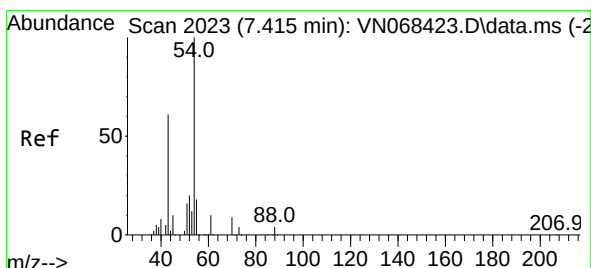
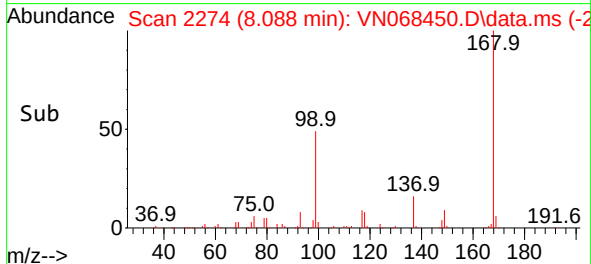
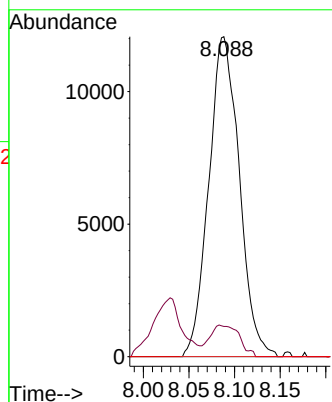
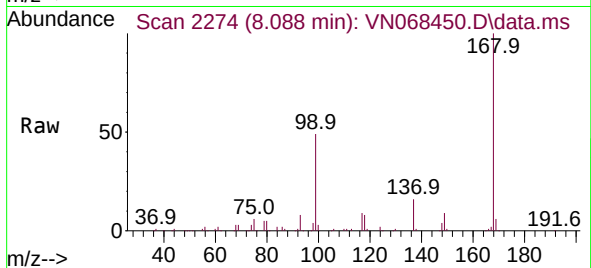


#36

1,1-Dichloropropene
Concen: 4.675 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

Instrument :
MSVOA_N
ClientSampleId :
FILTER-MEDIA-FILTERSRE

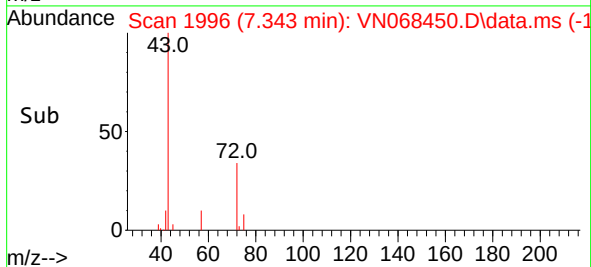
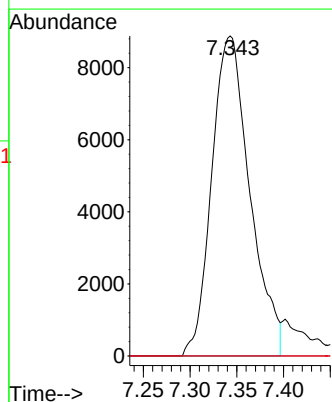
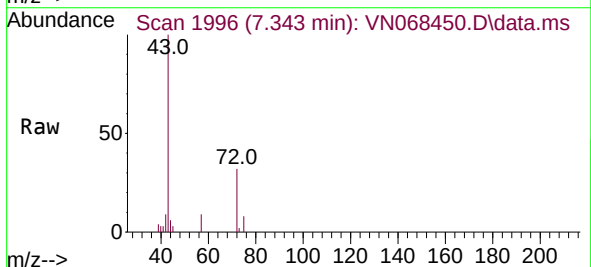
Tgt Ion: 75 Resp: 28143
Ion Ratio Lower Upper
75 100
110 9.5 20.8 62.5#
77 0.0 25.0 37.6#

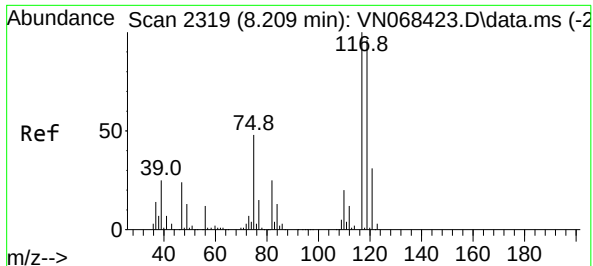


#37

Ethyl Acetate
Concen: 5.516 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. -0.072 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

Tgt Ion: 43 Resp: 25258
Ion Ratio Lower Upper
43 100
61 0.0 12.4 18.6#
70 0.0 9.6 14.4#

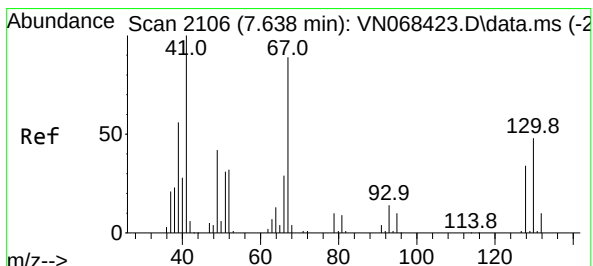
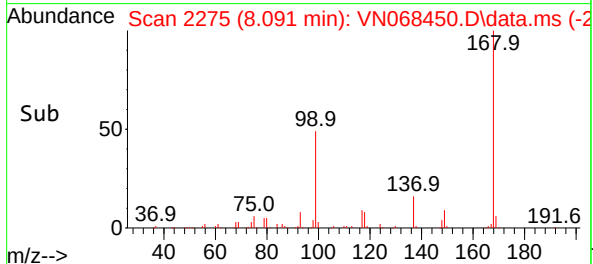
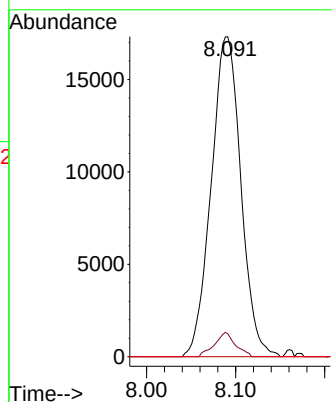
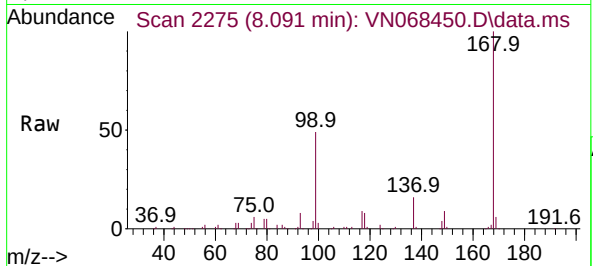




#38
Carbon Tetrachloride
Concen: 5.569 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.118 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

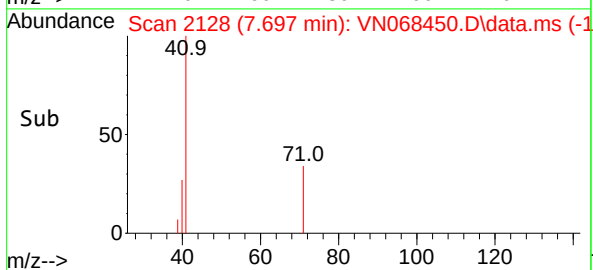
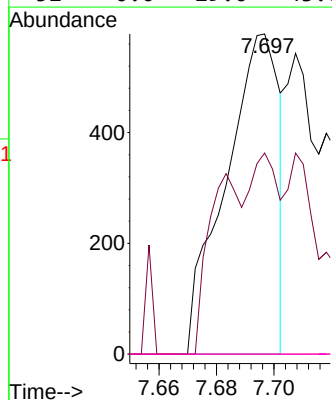
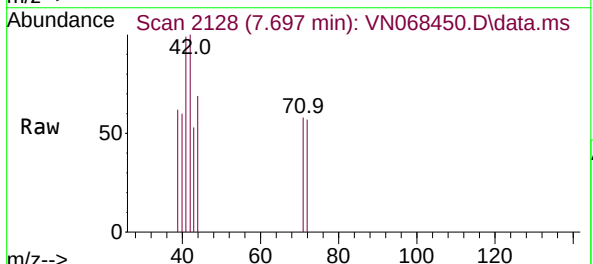
Instrument :
MSVOA_N
ClientSampleId :
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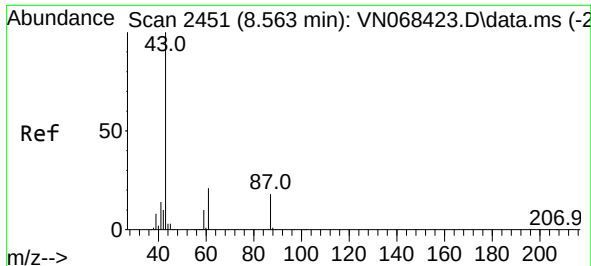
Tgt Ion:117 Resp: 40166
Ion Ratio Lower Upper
117 100
119 7.2 76.6 114.8#
121 0.0 24.5 36.7#



#41
Methacrylonitrile
Concen: 0.330 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.059 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

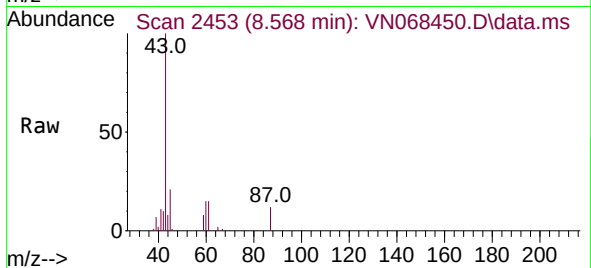
Tgt Ion: 41 Resp: 743
Ion Ratio Lower Upper
41 100
39 9.6 45.4 68.2#
67 0.0 78.7 118.1#
52 0.0 29.0 43.6#



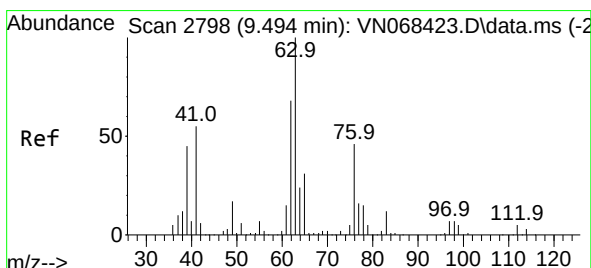
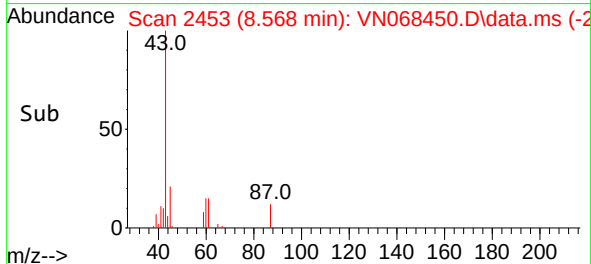
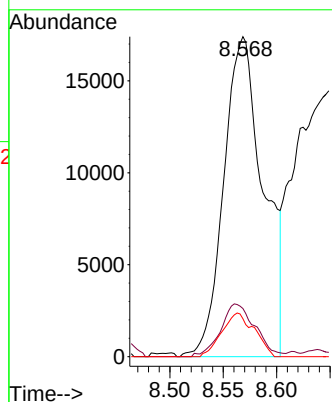


#43
Isopropyl Acetate
Concen: 5.563 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.005 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

Instrument :
MSVOA_N
ClientSampleId :
FILTER-MEDIA-FILTERSRE

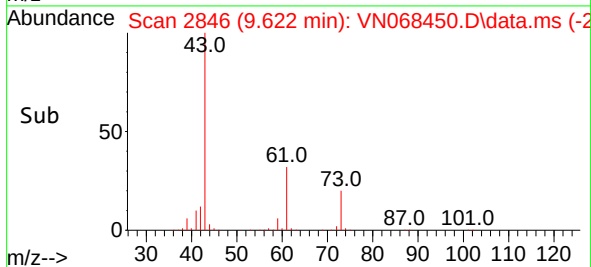
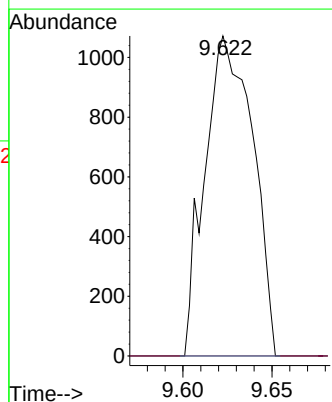
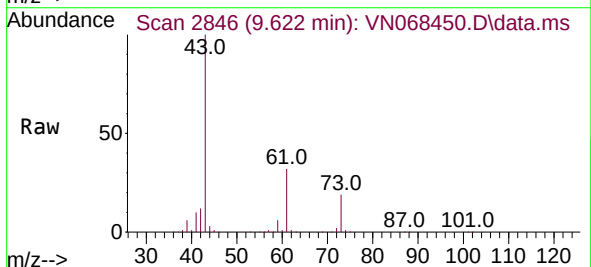


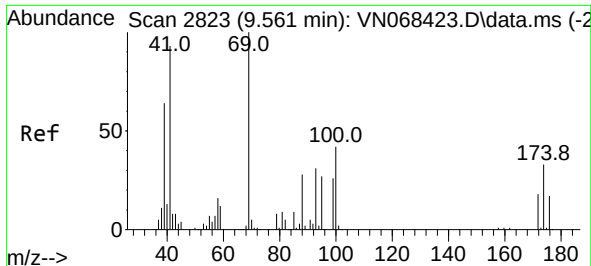
Tgt Ion: 43 Resp: 44941
Ion Ratio Lower Upper
43 100
61 14.4 23.3 34.9#
87 11.2 13.8 20.6#



#45
1,2-Dichloropropane
Concen: 0.473 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.129 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

Tgt Ion: 63 Resp: 2011
Ion Ratio Lower Upper
63 100
65 0.0 24.8 37.2#

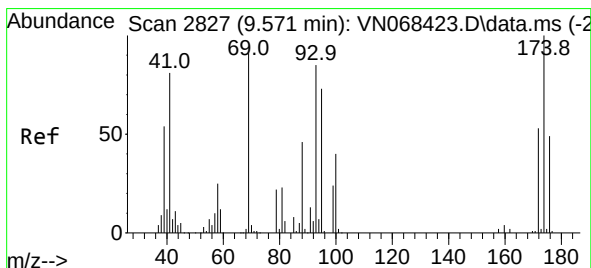
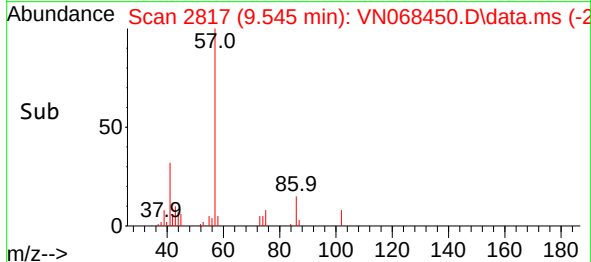
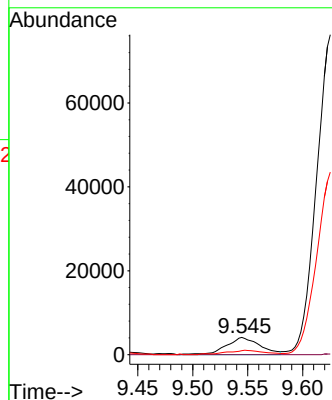
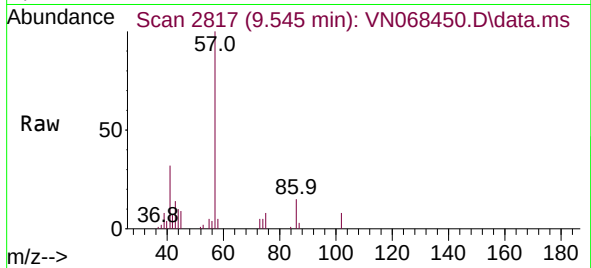




#48
Methyl methacrylate
Concen: 2.583 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

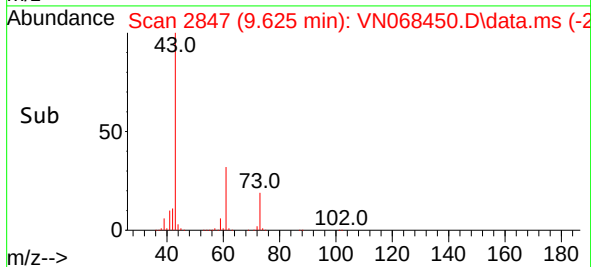
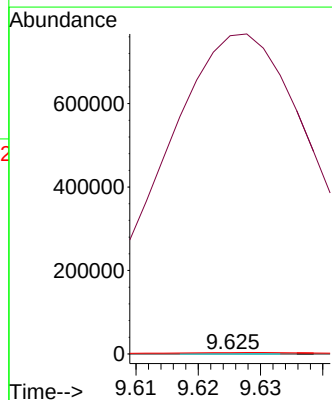
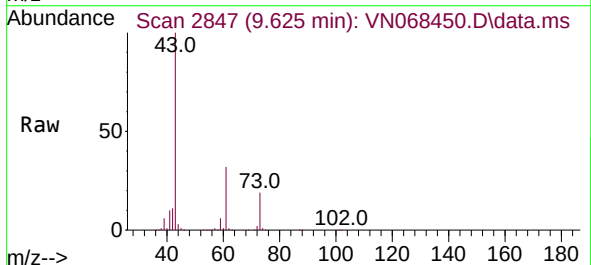
Instrument :
MSVOA_N
ClientSampleId :
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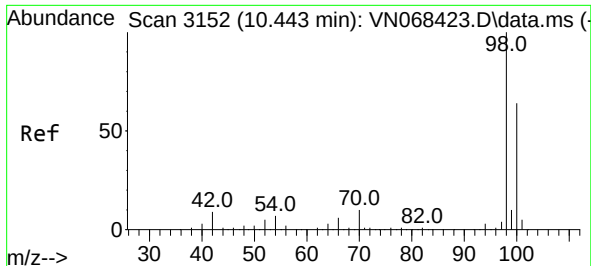
Tgt Ion: 41 Resp: 8714
Ion Ratio Lower Upper
41 100
69 0.0 82.9 124.3#
39 0.0 50.3 75.5#



#49
1,4-Dioxane
Concen: 1.202 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.054 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

Tgt Ion: 88 Resp: 93
Ion Ratio Lower Upper
88 100
43 1601683.9 18.9 28.3#
58 7447.3 46.6 69.8#

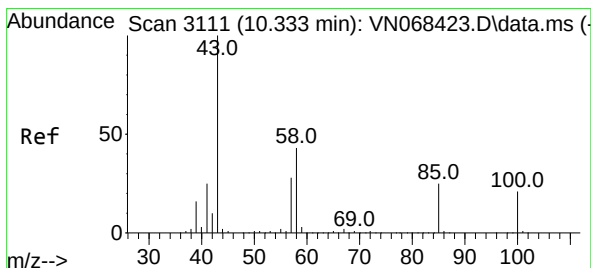
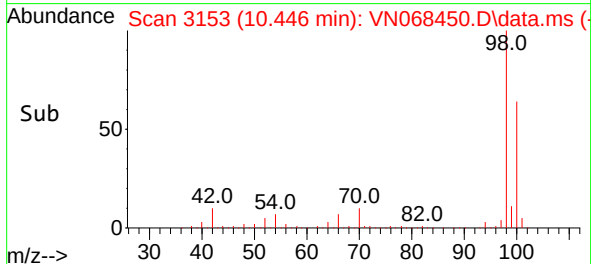
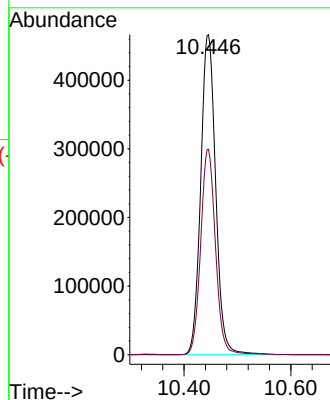
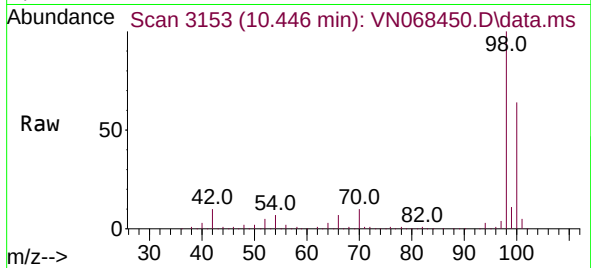




#50
Toluene-d8
Concen: 57.394 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

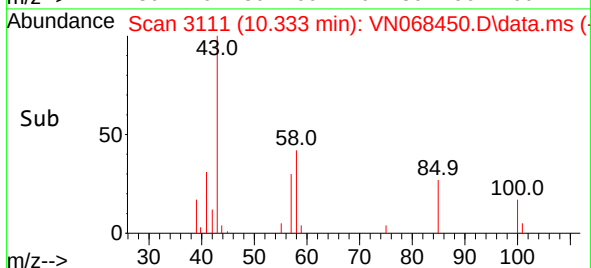
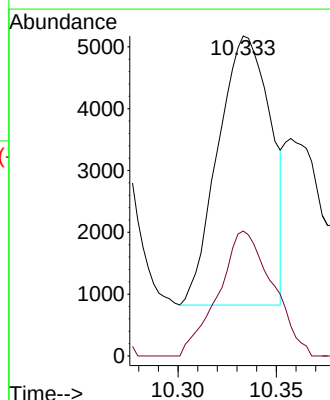
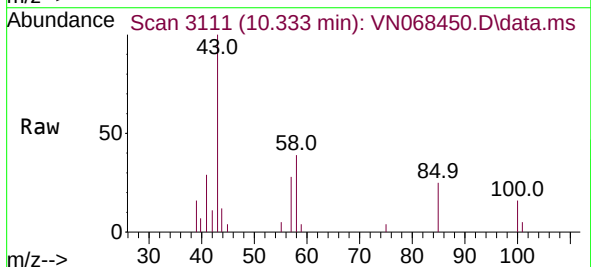
Instrument :
MSVOA_N
ClientSampleId :
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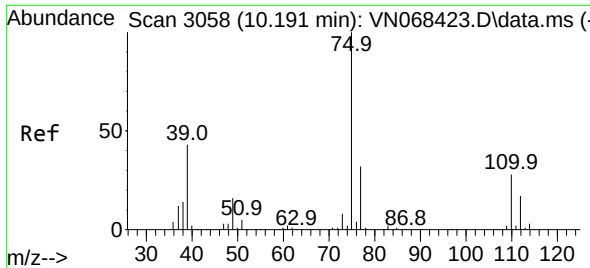
Tgt Ion: 98 Resp: 907942
Ion Ratio Lower Upper
98 100
100 63.1 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 1.756 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

Tgt Ion: 43 Resp: 8100
Ion Ratio Lower Upper
43 100
58 47.7 34.3 51.5

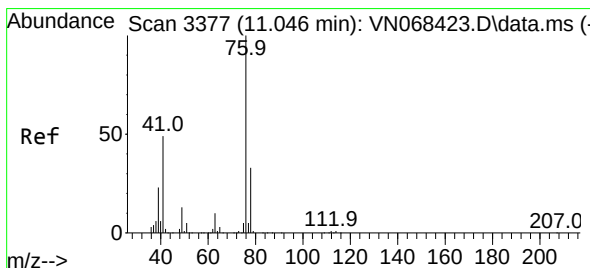
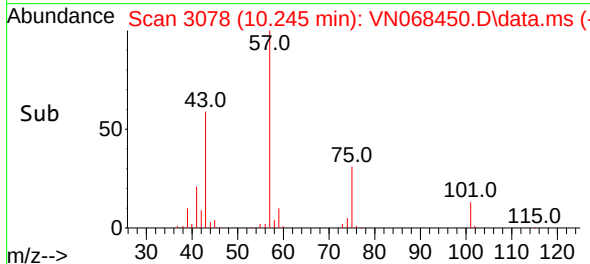
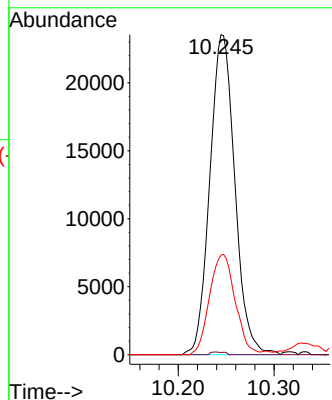
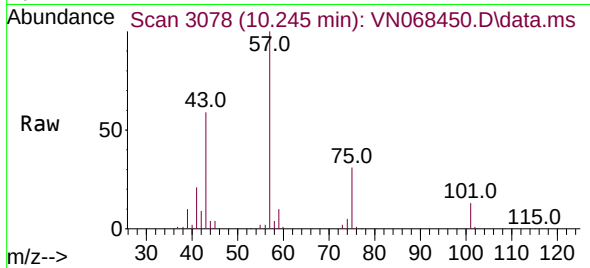




#54
cis-1,3-Dichloropropene
Concen: 6.248 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

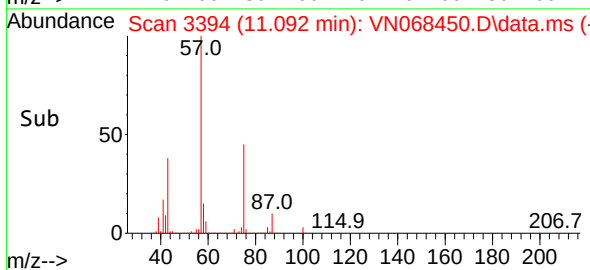
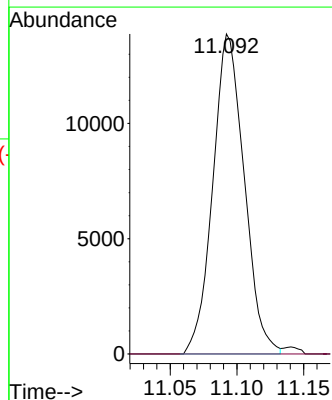
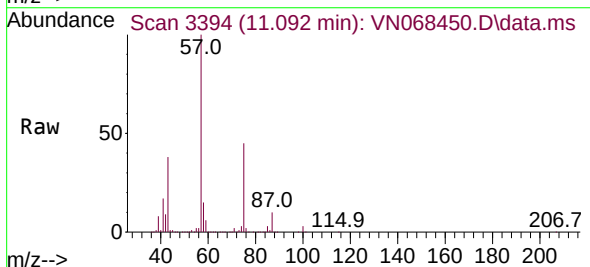
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MSVOA_N
ClientSampleId :
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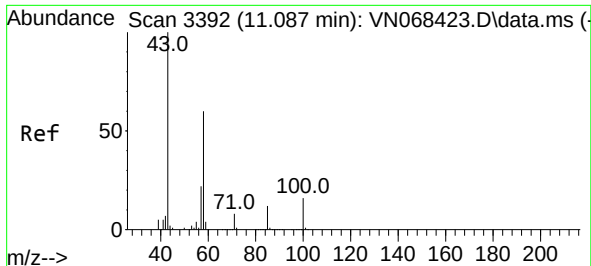
Tgt Ion: 75 Resp: 42622
Ion Ratio Lower Upper
75 100
77 0.7 25.3 37.9#
39 31.1 34.6 52.0#



#57
1,3-Dichloropropane
Concen: 3.133 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.046 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

Tgt Ion: 76 Resp: 22656
Ion Ratio Lower Upper
76 100
78 0.0 25.9 38.9#

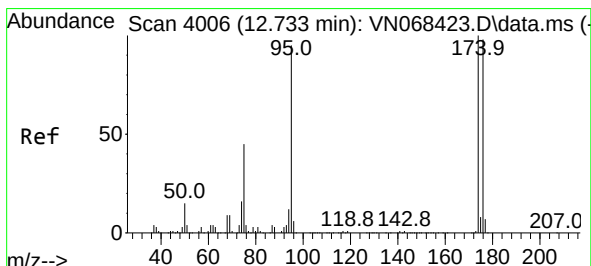
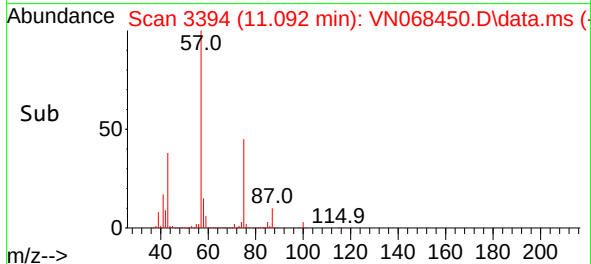
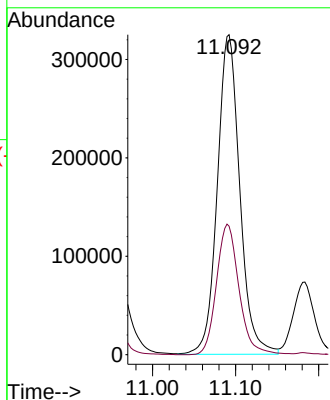
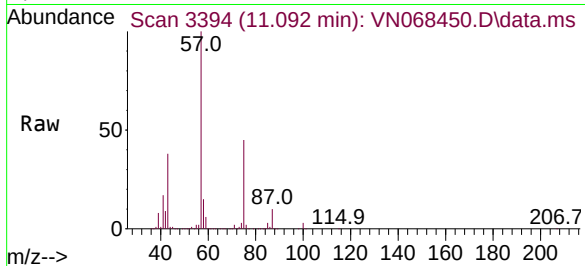




#59
2-Hexanone
Concen: 198.266 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

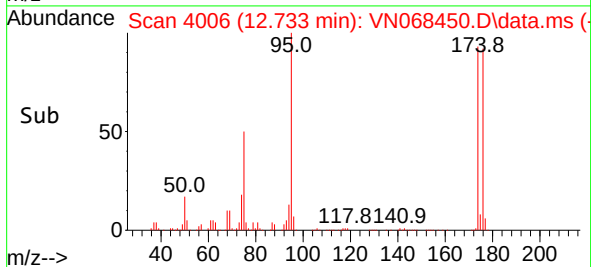
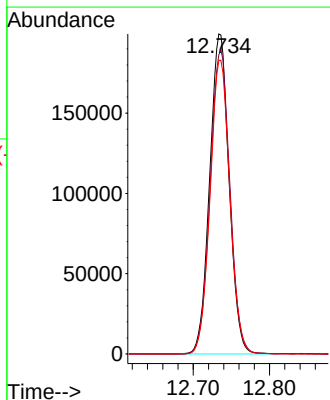
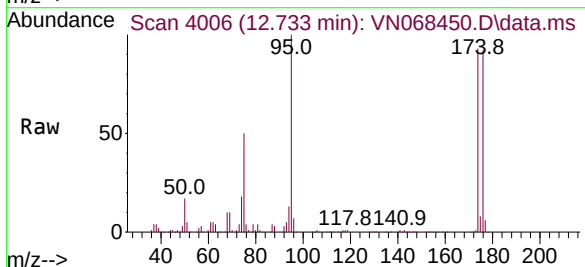
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MSVOA_N
ClientSampleId :
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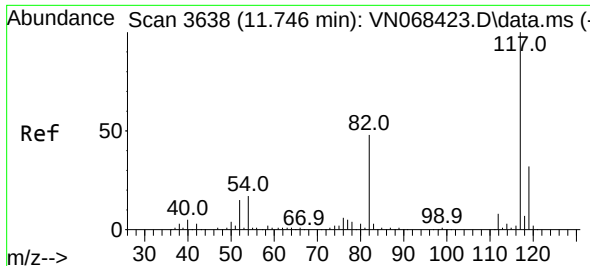
Tgt Ion: 43 Resp: 612382
Ion Ratio Lower Upper
43 100
58 40.9 30.0 90.1



#62
4-Bromofluorobenzene
Concen: 69.520 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.000 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

Tgt Ion: 95 Resp: 351913
Ion Ratio Lower Upper
95 100
174 96.8 0.0 214.0
176 93.2 0.0 205.4

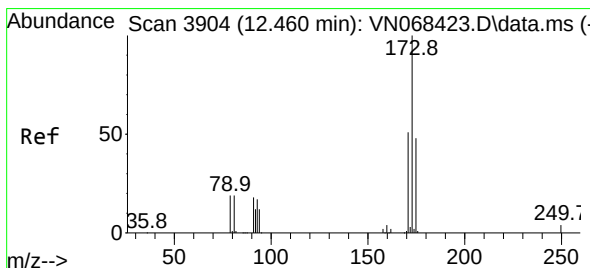
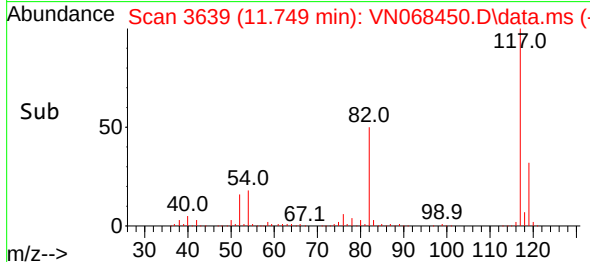
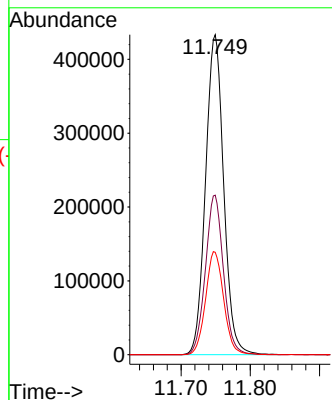
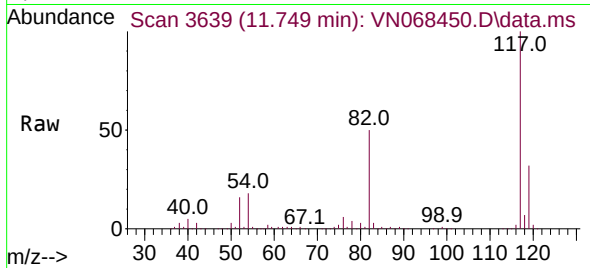




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

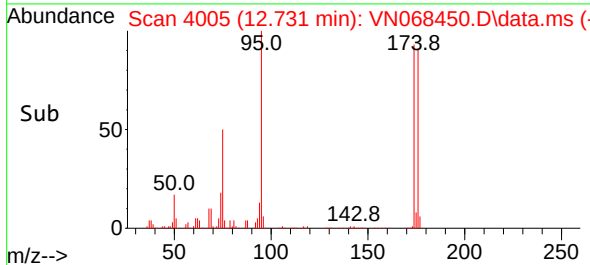
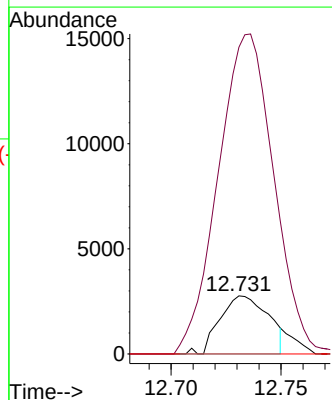
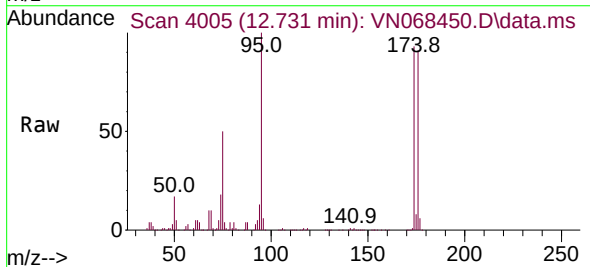
Instrument :
MSVOA_N
ClientSampleId :
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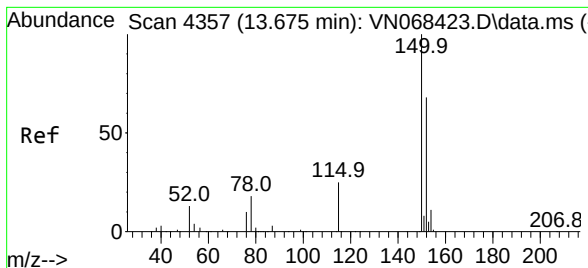
Tgt Ion:117 Resp: 788938
Ion Ratio Lower Upper
117 100
82 49.8 38.7 58.1
119 32.0 25.5 38.3



#71
Bromoform
Concen: 0.864 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

Tgt Ion:173 Resp: 4221
Ion Ratio Lower Upper
173 100
175 587.5 24.1 72.3#
254 0.0 0.0 0.0

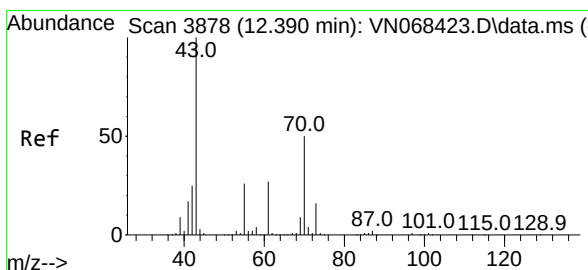
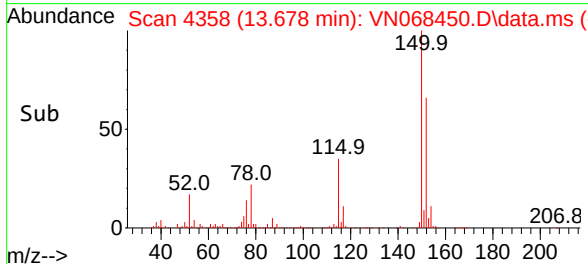
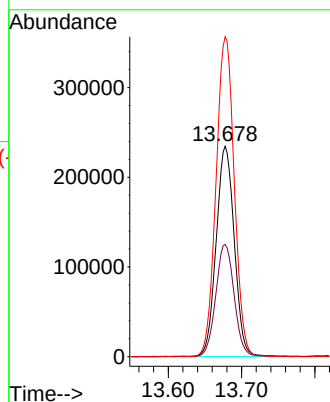
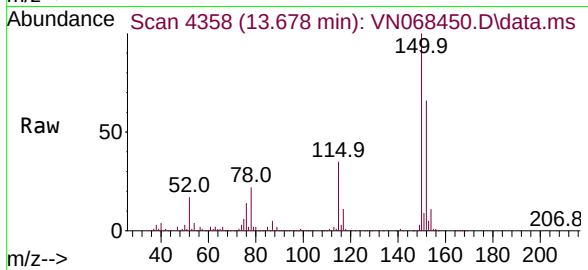




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

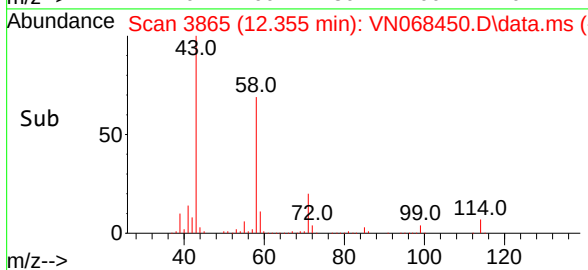
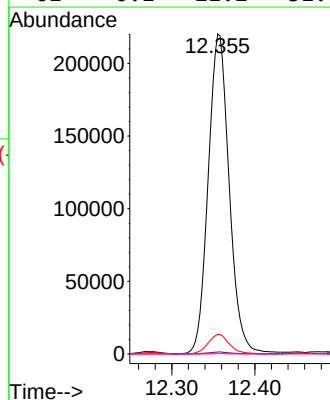
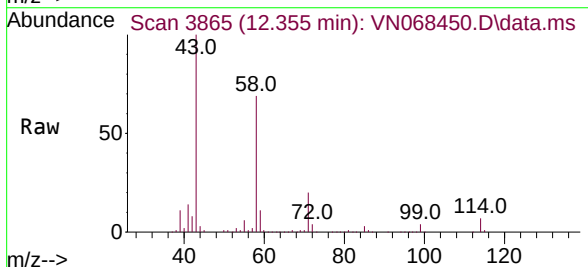
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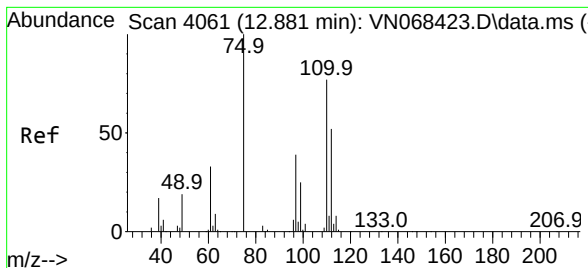
Tgt Ion:152 Resp: 401020
Ion Ratio Lower Upper
152 100
115 54.0 25.6 76.6
150 153.5 0.0 346.8



#74
N-ethyl acetate
Concen: 60.491 ug/l
RT: 12.355 min Scan# 3865
Delta R.T. -0.035 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

Tgt Ion: 43 Resp: 384873
Ion Ratio Lower Upper
43 100
70 0.7 40.0 60.0#
55 6.4 21.1 31.7#
61 0.1 21.2 31.8#

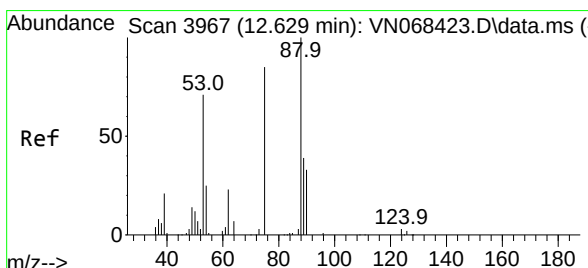
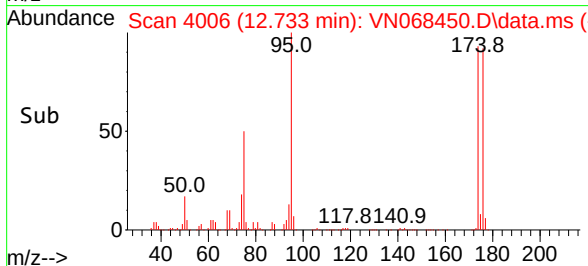
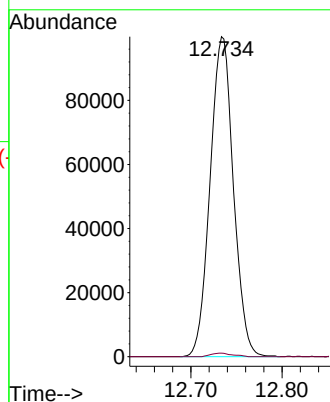
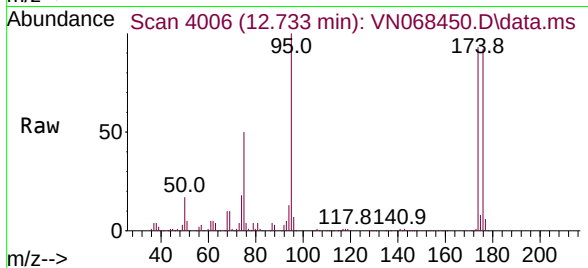




#76
1,2,3-Trichloropropane
Concen: 28.018 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

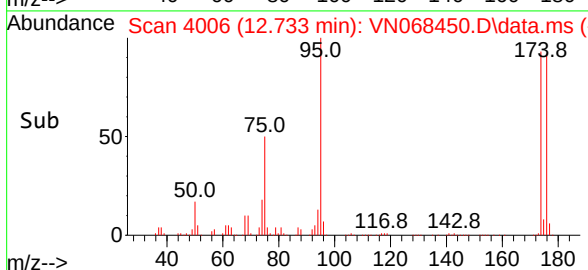
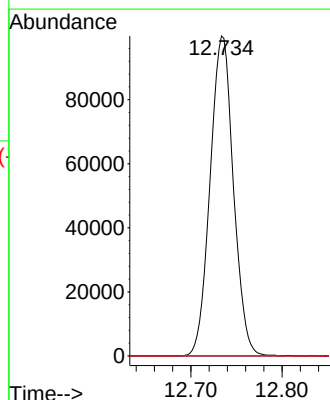
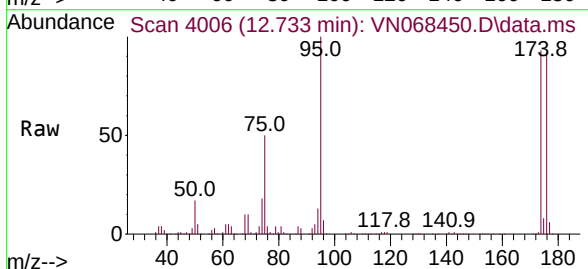
Instrument :
MSVOA_N
ClientSampleId :
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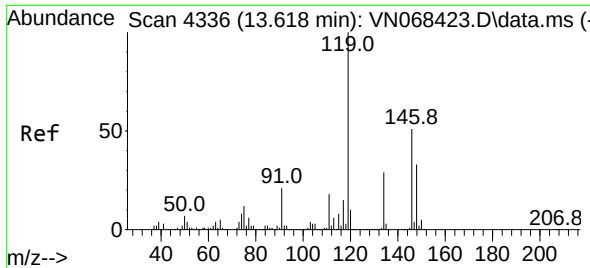
Tgt Ion: 75 Resp: 177365
Ion Ratio Lower Upper
75 100
77 1.0 100.9 302.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 98.019 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

Tgt Ion: 75 Resp: 177365
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#

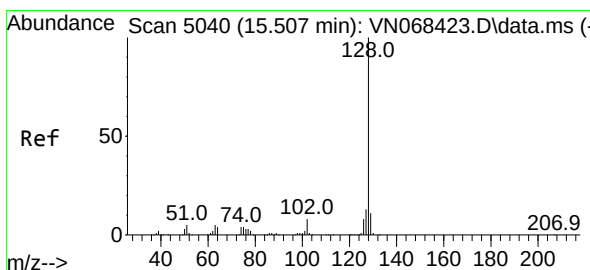
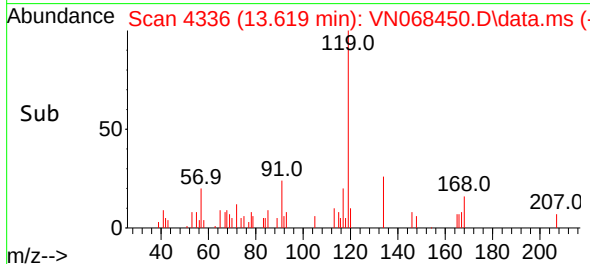
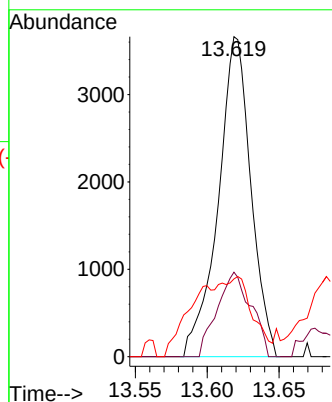
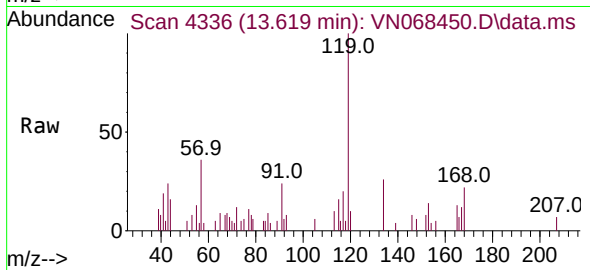




#86
p-Isopropyltoluene
Concen: 0.245 ug/l
RT: 13.619 min Scan# 4336
Delta R.T. 0.000 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

Instrument :
MSVOA_N
ClientSampleId :
FILTER-MEDIA-FILTERSRE

Tgt Ion:119 Resp: 5781
Ion Ratio Lower Upper
119 100
134 27.3 14.1 42.4
91 17.5 10.6 31.8



#95
Naphthalene
Concen: 21.462 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068450.D
Acq: 9 Sep 2021 18:41

Tgt Ion:128 Resp: 306641
Ion Ratio Lower Upper
128 100
127 13.6 10.6 15.8
129 10.9 8.6 13.0

