

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100721\
 Data File : VN068840.D
 Acq On : 7 Oct 2021 14:41
 Operator : JC/MD
 Sample : PB139682ZHE#03
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB139682ZHE#03

Quant Time: Oct 08 05:58:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100621W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 06 14:41:09 2021
 Response via : Initial Calibration

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

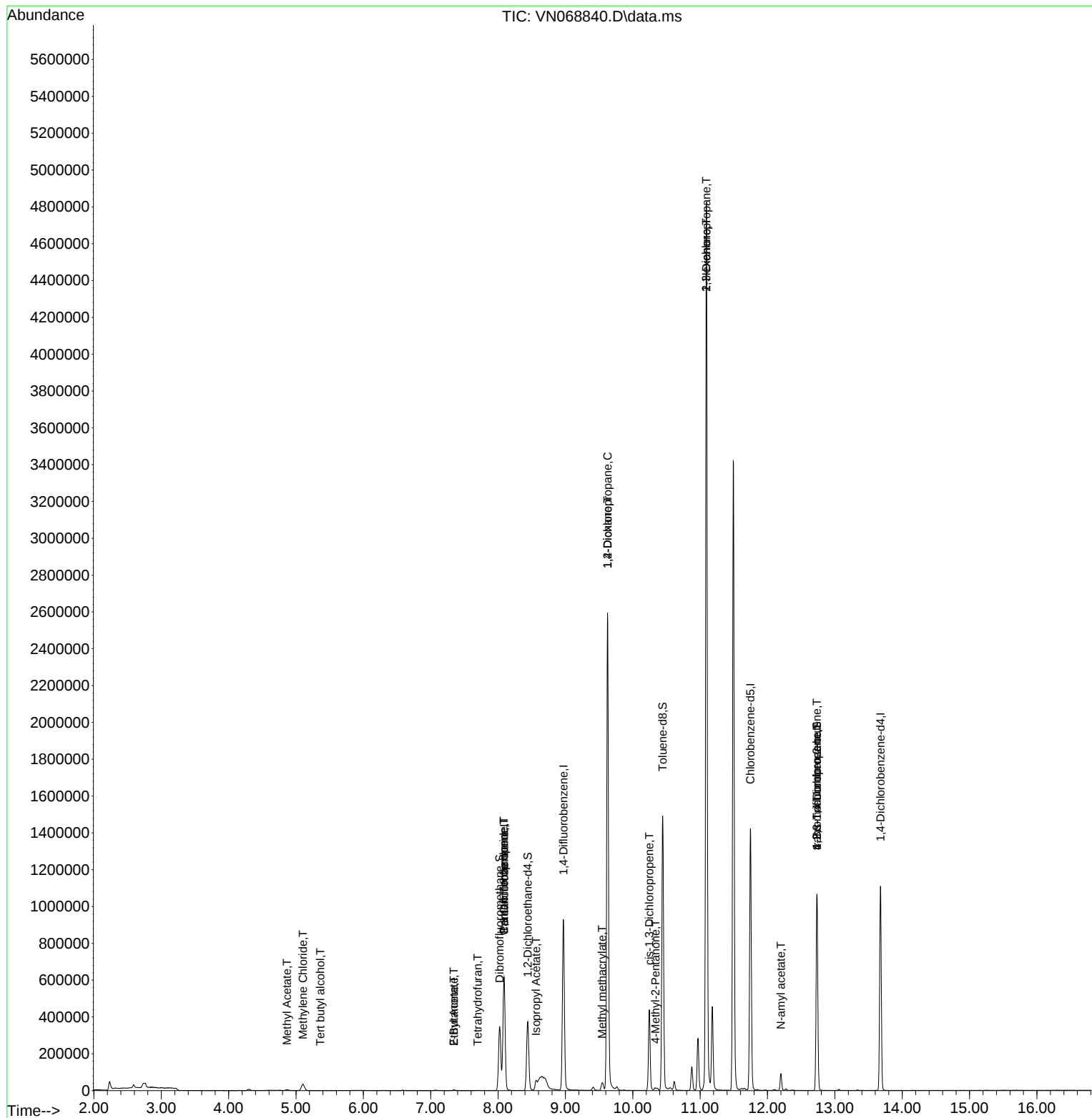
Internal Standards						
1) Pentafluorobenzene	8.091	168	448295	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	802312	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	798679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	282804	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	313246	47.547	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.100%		
35) Dibromofluoromethane	8.021	113	244850	46.459	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	92.920%		
50) Toluene-d8	10.443	98	1026686	49.954	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.900%		
62) 4-Bromofluorobenzene	12.733	95	342829	44.691	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	89.380%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	1151	Below Cal	#	83
4) Vinyl Chloride	2.681	62	24	Below Cal		90
6) Chloroethane	3.035	64	206	Below Cal	#	44
11) Tert butyl alcohol	5.361	59	184	0.235 ug/l	#	71
16) Acetone	4.304	43	11710	Below Cal		97
17) Carbon Disulfide	4.540	76	97	Below Cal	#	74
18) Methyl Acetate	4.867	43	9927	1.524 ug/l		96
20) Methylene Chloride	5.103	84	28947	3.895 ug/l		89
25) 2-Butanone	7.343	43	6823	2.269 ug/l	#	84
29) Tetrahydrofuran	7.697	42	772	0.420 ug/l	#	64
31) Cyclohexane	8.086	56	12600	Below Cal	#	39
36) 1,1-Dichloropropene	8.088	75	38785	6.115 ug/l	#	52
37) Ethyl Acetate	7.343	43	6823	1.127 ug/l	#	69
38) Carbon Tetrachloride	8.086	117	49335	6.459 ug/l	#	17
43) Isopropyl Acetate	8.566	43	54810	4.980 ug/l	#	87
45) 1,2-Dichloropropane	9.625	63	2891	0.563 ug/l	#	44
48) Methyl methacrylate	9.545	41	10533	2.240 ug/l	#	12
49) 1,4-Dioxane	9.625	88	356	3.479 ug/l	#	1
51) 4-Methyl-2-Pentanone	10.338	43	6683	0.954 ug/l	#	76
54) cis-1,3-Dichloropropene	10.245	75	75450	8.944 ug/l	#	67
57) 1,3-Dichloropropane	11.092	76	50281	5.638 ug/l	#	43
59) 2-Hexanone	11.092	43	726423	143.717 ug/l	#	54
74) N-amyl acetate	12.197	43	27926	3.694 ug/l	#	58
76) 1,2,3-Trichloropropane	12.733	75	201883	36.214 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.733	75	201883	104.911 ug/l	#	6
96) 1,2,3-Trichlorobenzene	15.702	180	269	Below Cal	#	77

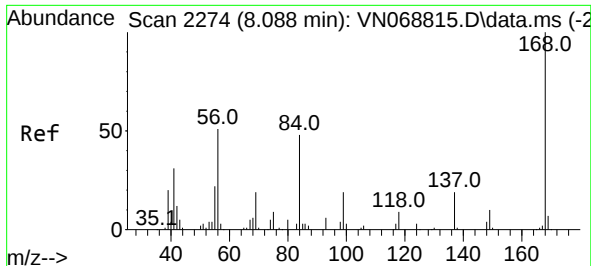
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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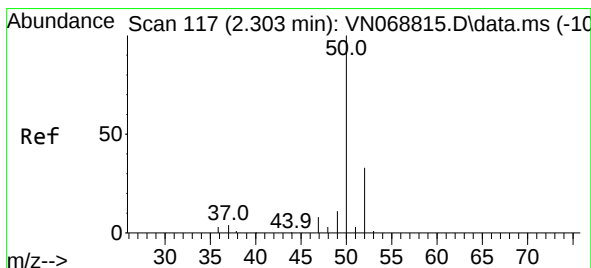
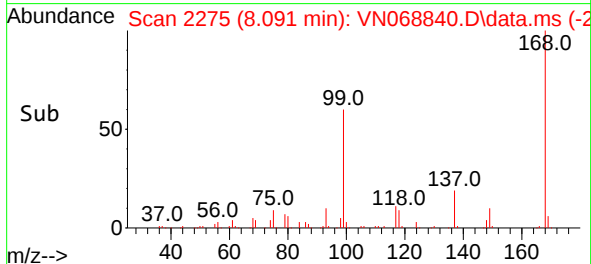
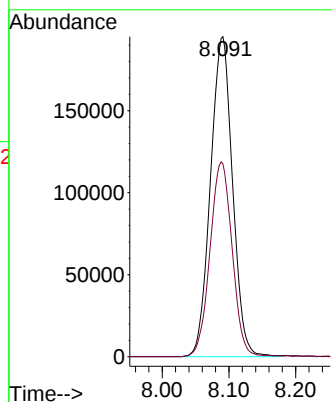
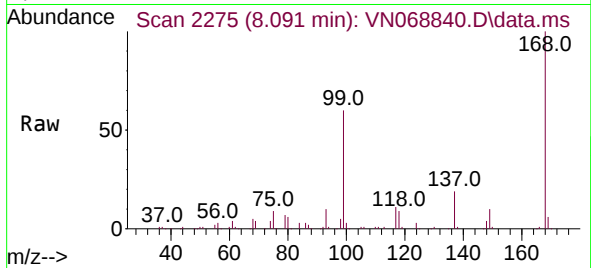




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.003 min
Lab File: VN068840.D
Acq: 7 Oct 2021 14:41

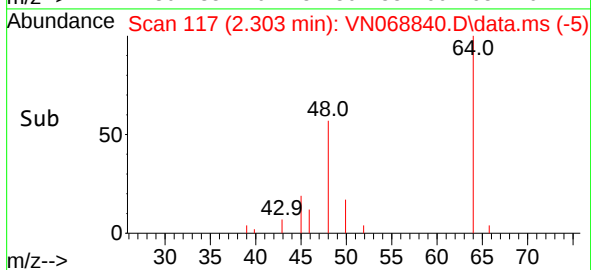
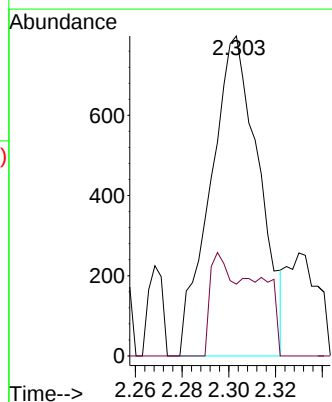
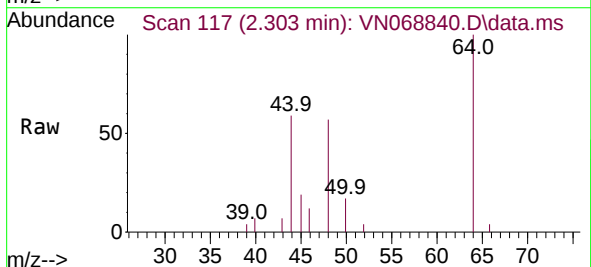
Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#03

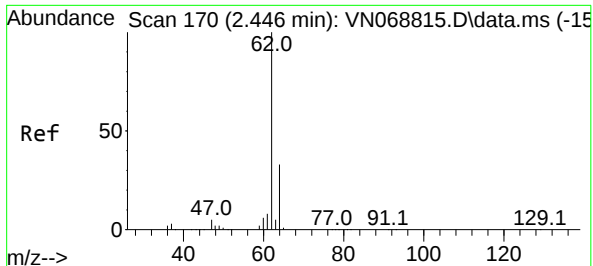
Tgt Ion:168 Resp: 448295
Ion Ratio Lower Upper
168 100
99 60.2 62.9 94.3#



#3
Chloromethane
Concen: Below Cal
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN068840.D
Acq: 7 Oct 2021 14:41

Tgt Ion: 50 Resp: 1151
Ion Ratio Lower Upper
50 100
52 22.4 25.6 38.4#

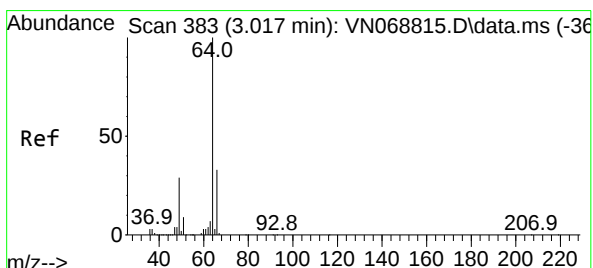
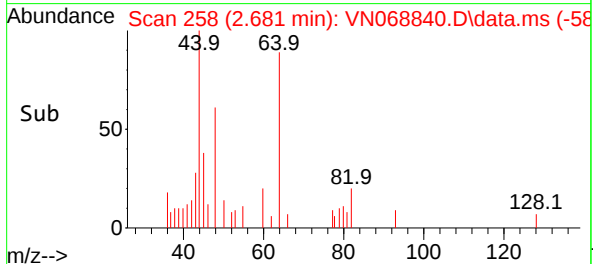
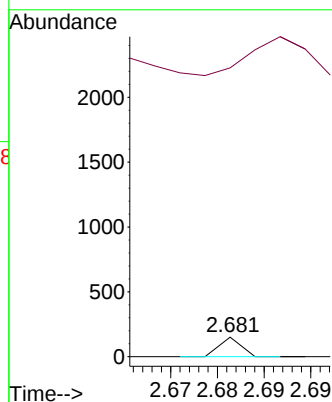
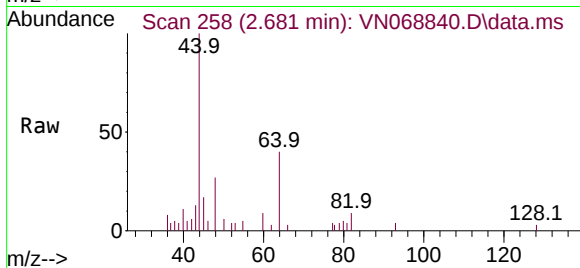




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.681 min Scan# 258
 Delta R.T. 0.235 min
 Lab File: VN068840.D
 Acq: 7 Oct 2021 14:41

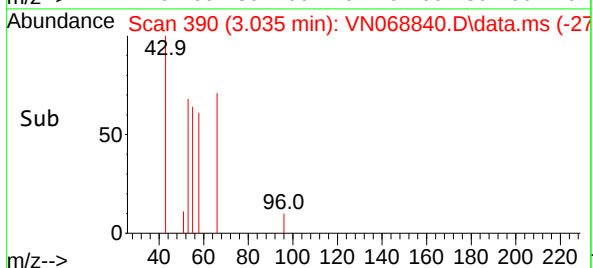
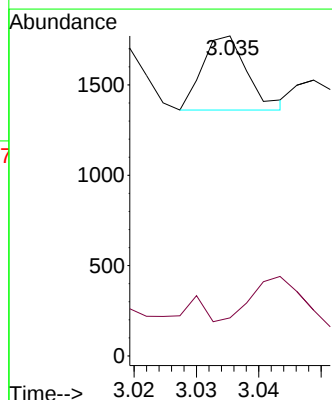
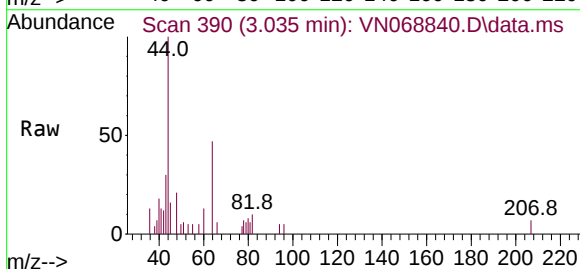
Instrument :
 MSVOA_N
 ClientSampleId :
 PB139682ZHE#03

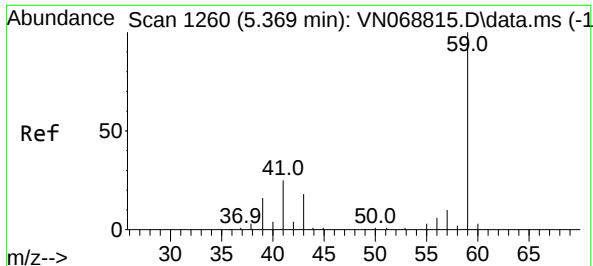
Tgt Ion: 62 Resp: 24
 Ion Ratio Lower Upper
 62 100
 64 25.2 24.4 36.6



#6
 Chloroethane
 Concen: Below Cal
 RT: 3.035 min Scan# 390
 Delta R.T. 0.018 min
 Lab File: VN068840.D
 Acq: 7 Oct 2021 14:41

Tgt Ion: 64 Resp: 206
 Ion Ratio Lower Upper
 64 100
 66 0.0 24.7 37.1#



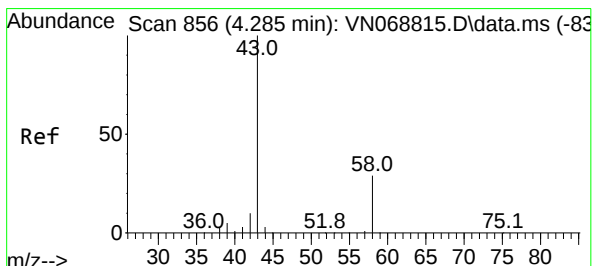
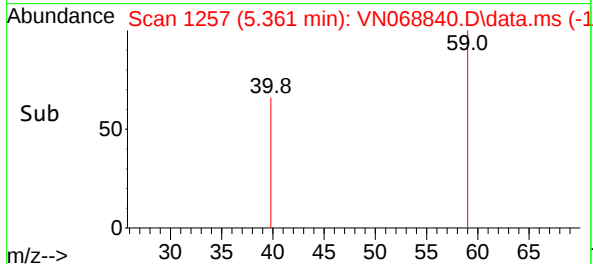
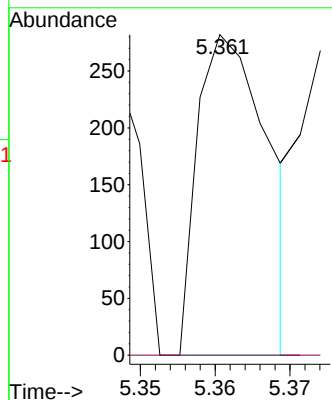
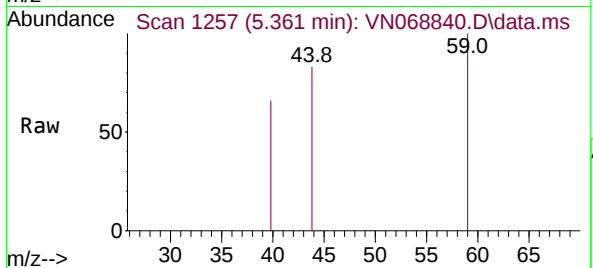


#11

Tert butyl alcohol
Concen: 0.235 ug/l
RT: 5.361 min Scan# 1257
Delta R.T. -0.008 min
Lab File: VN068840.D
Acq: 7 Oct 2021 14:41

Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#03

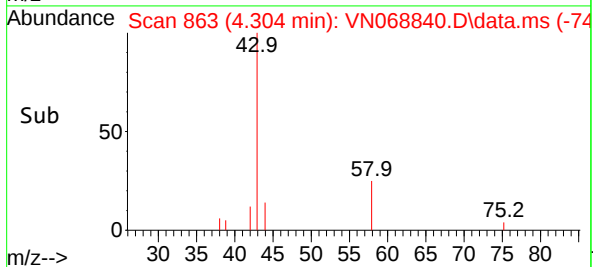
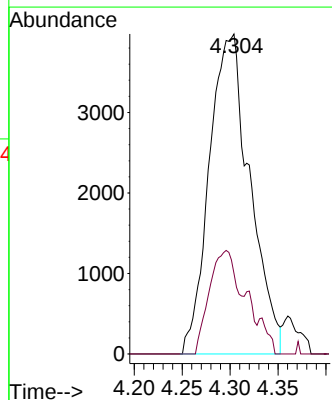
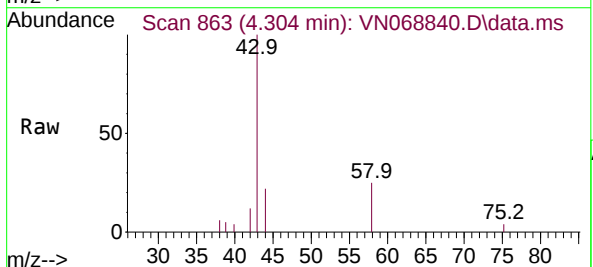
Tgt Ion: 59 Resp: 184
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

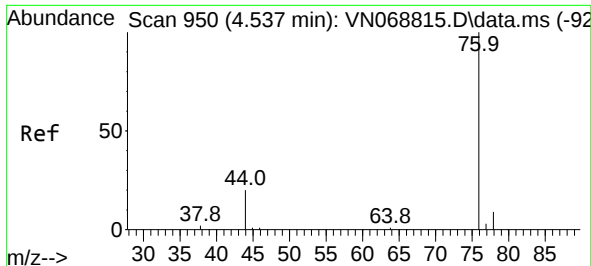


#16

Acetone
Concen: Below Cal
RT: 4.304 min Scan# 863
Delta R.T. 0.019 min
Lab File: VN068840.D
Acq: 7 Oct 2021 14:41

Tgt Ion: 43 Resp: 11710
Ion Ratio Lower Upper
43 100
58 25.2 21.2 31.8

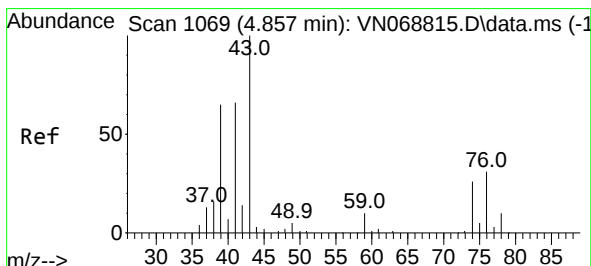
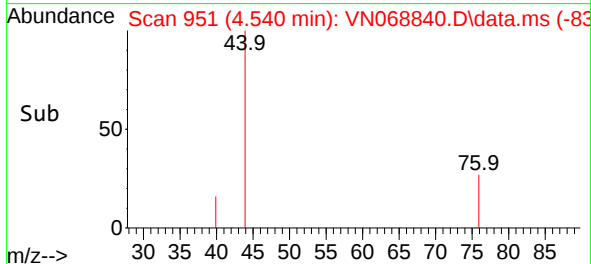
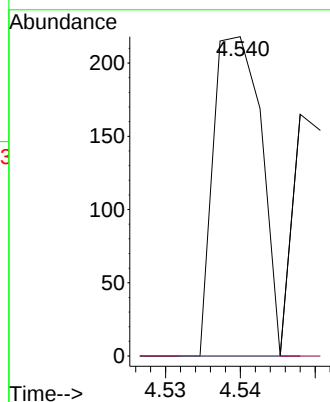
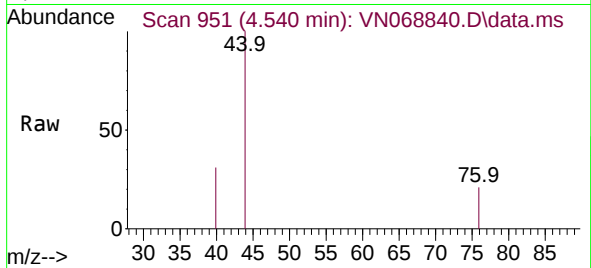




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.540 min Scan# 951
Delta R.T. 0.003 min
Lab File: VN068840.D
Acq: 7 Oct 2021 14:41

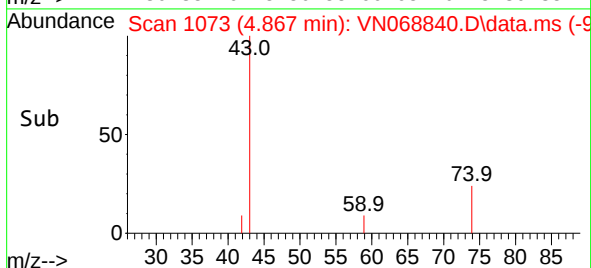
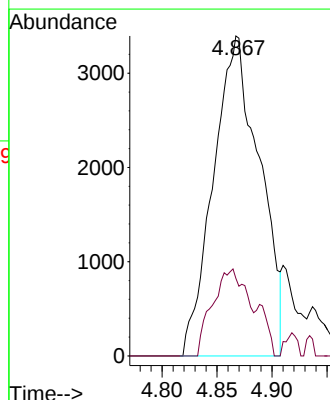
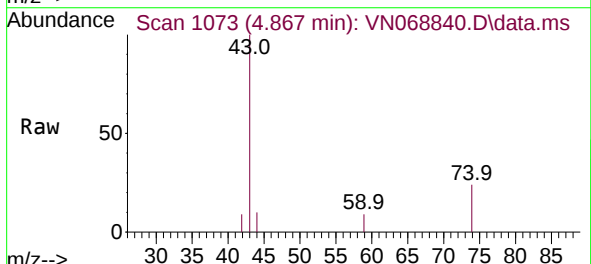
Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#03

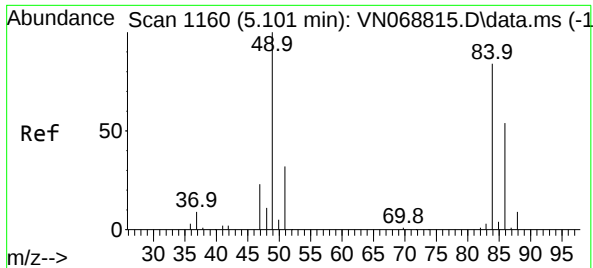
Tgt Ion: 76 Resp: 97
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#18
Methyl Acetate
Concen: 1.524 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.010 min
Lab File: VN068840.D
Acq: 7 Oct 2021 14:41

Tgt Ion: 43 Resp: 9927
Ion Ratio Lower Upper
43 100
74 20.0 17.4 26.0



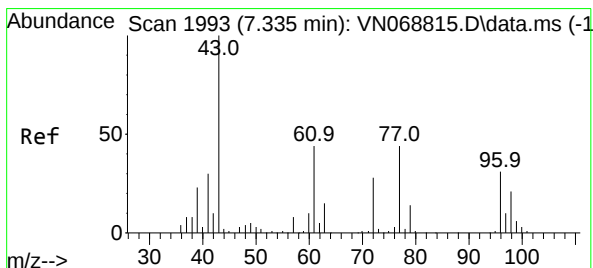
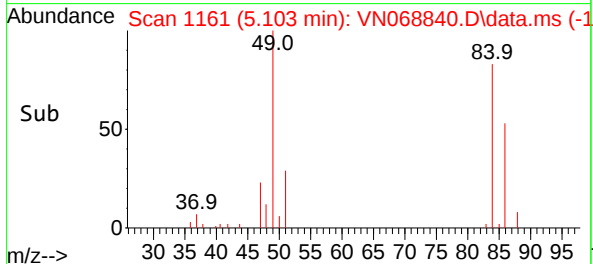
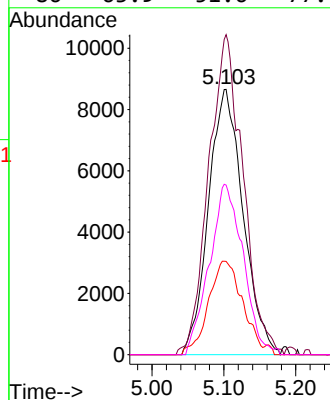
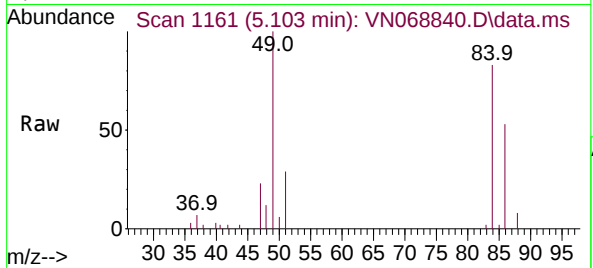


#20
Methylene Chloride
Concen: 3.895 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.002 min
Lab File: VN068840.D
Acq: 7 Oct 2021 14:41

Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#03

Tgt Ion: 84 Resp: 28947

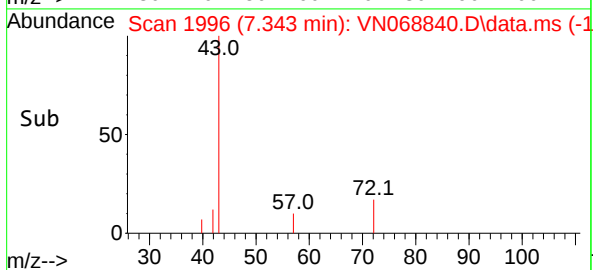
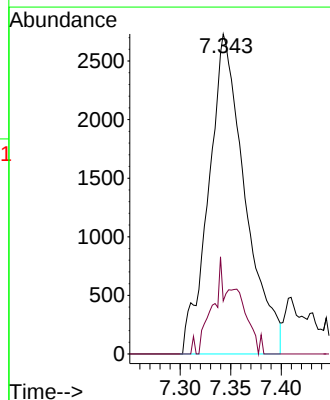
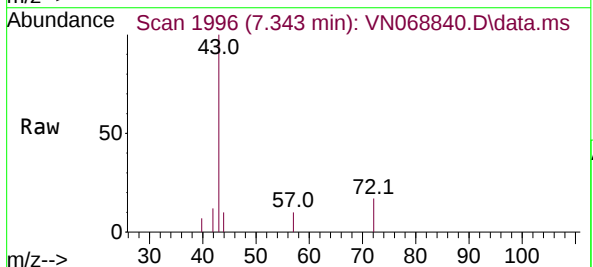
Ion	Ratio	Lower	Upper
84	100		
49	118.5	110.9	166.3
51	35.1	32.6	49.0
86	63.9	51.6	77.4

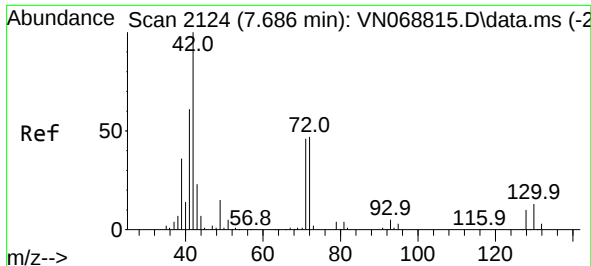


#25
2-Butanone
Concen: 2.269 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.008 min
Lab File: VN068840.D
Acq: 7 Oct 2021 14:41

Tgt Ion: 43 Resp: 6823

Ion	Ratio	Lower	Upper
43	100		
72	16.6	19.7	29.5#





#29

Tetrahydrofuran

Concen: 0.420 ug/l

RT: 7.697 min Scan# 2128

Delta R.T. 0.011 min

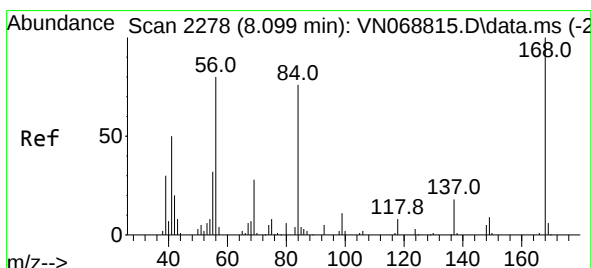
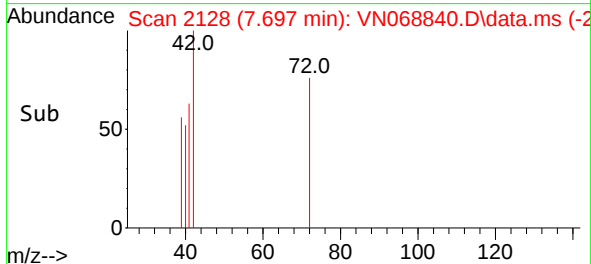
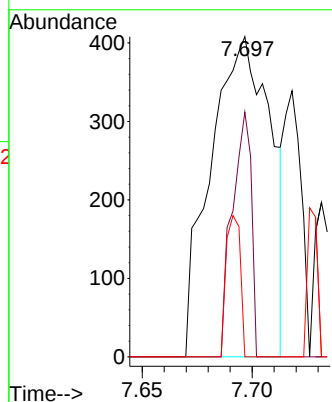
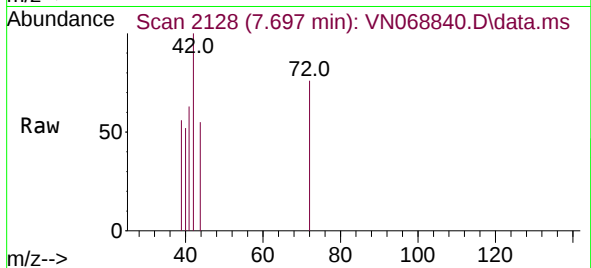
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Acq: 7 Oct 2021 14:41

Instrument :
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Tgt Ion: 42 Resp: 772

Ion	Ratio	Lower	Upper
42	100		
72	24.5	32.8	49.2#
71	10.4	31.2	46.8#



#31

Cyclohexane

Concen: Below Cal

RT: 8.086 min Scan# 2273

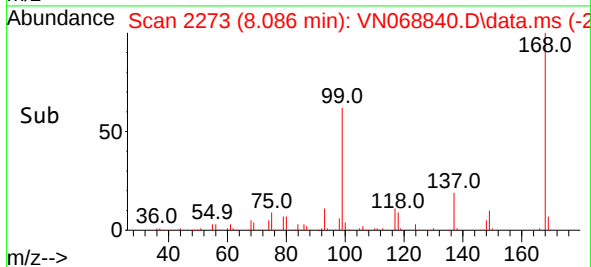
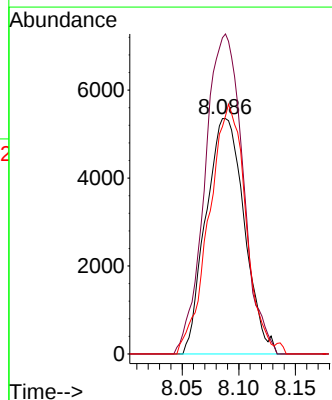
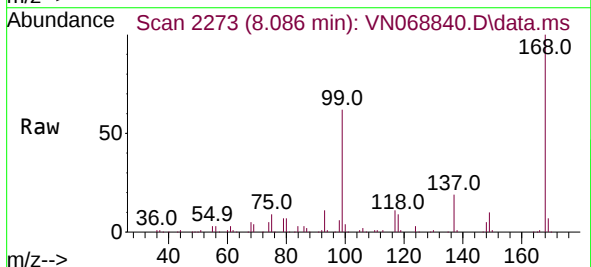
Delta R.T. -0.013 min

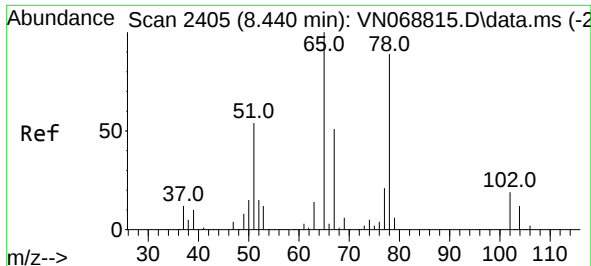
Lab File: VN068840.D

Acq: 7 Oct 2021 14:41

Tgt Ion: 56 Resp: 12600

Ion	Ratio	Lower	Upper
56	100		
69	134.3	27.3	40.9#
84	92.4	64.9	97.3

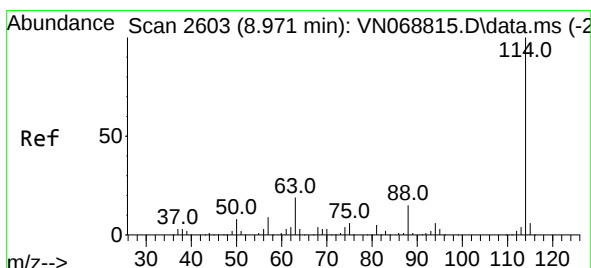
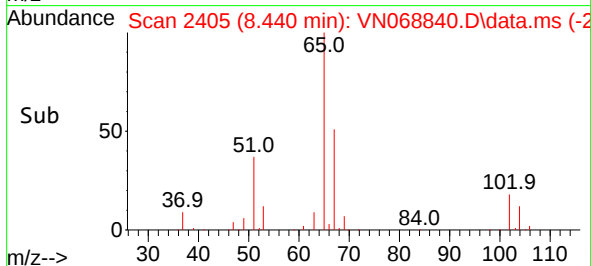
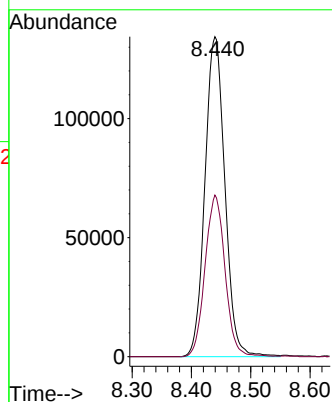
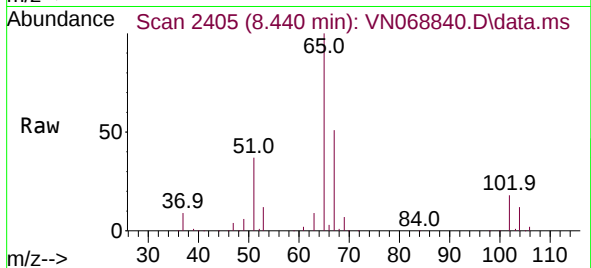




#33
 1,2-Dichloroethane-d4
 Concen: 47.547 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068840.D
 Acq: 7 Oct 2021 14:41

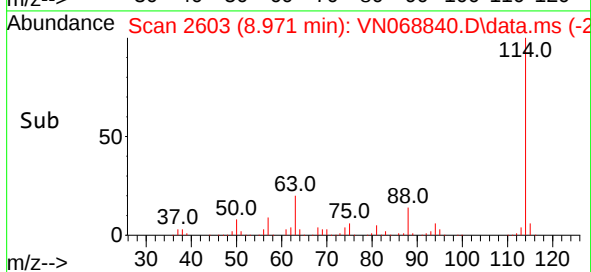
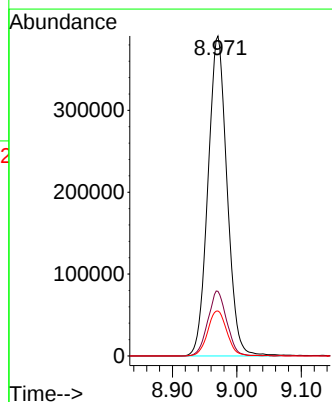
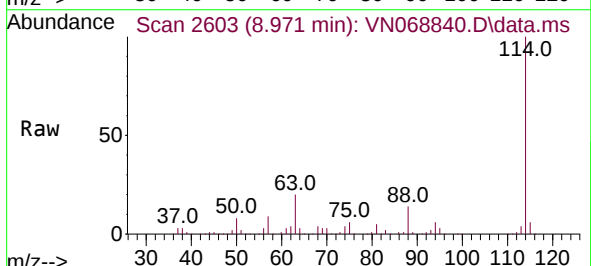
Instrument :
 MSVOA_N
 ClientSampleId :
 PB139682ZHE#03

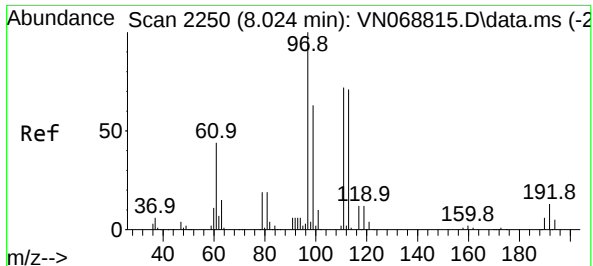
Tgt Ion: 65 Resp: 313246
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. -0.000 min
 Lab File: VN068840.D
 Acq: 7 Oct 2021 14:41

Tgt Ion: 114 Resp: 802312
 Ion Ratio Lower Upper
 114 100
 63 20.2 0.0 49.0
 88 14.0 0.0 36.6





#35

Dibromofluoromethane

Concen: 46.459 ug/l

RT: 8.021 min Scan# 2249

Delta R.T. -0.003 min

Lab File: VN068840.D

Acq: 7 Oct 2021 14:41

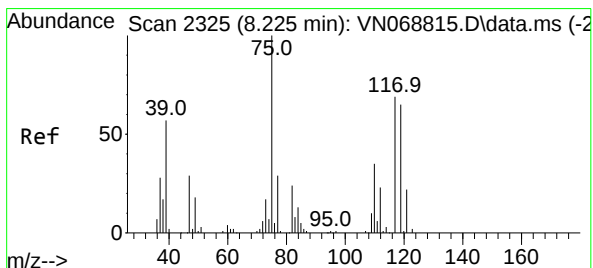
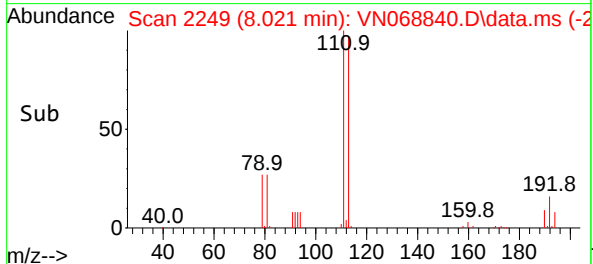
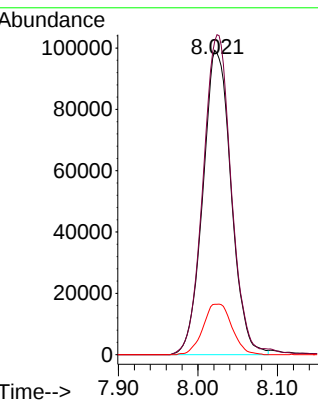
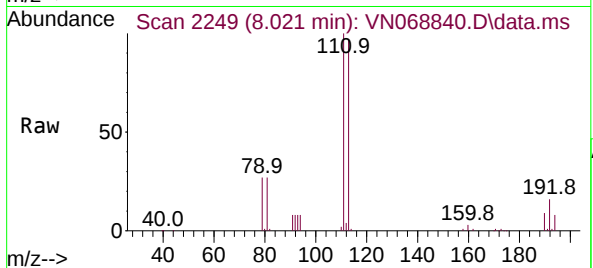
Tgt Ion:113 Resp: 244850

Ion Ratio Lower Upper

113 100

111 104.3 83.8 125.8

192 17.0 13.4 20.0



#36

1,1-Dichloropropene

Concen: 6.115 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. -0.137 min

Lab File: VN068840.D

Acq: 7 Oct 2021 14:41

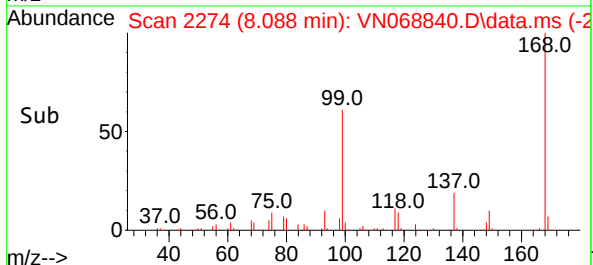
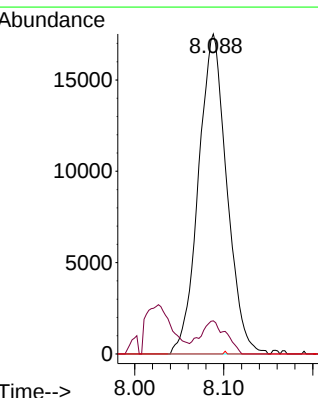
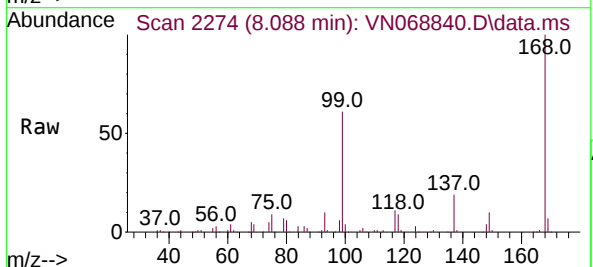
Tgt Ion: 75 Resp: 38785

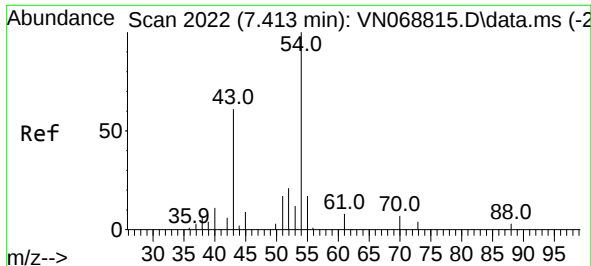
Ion Ratio Lower Upper

75 100

110 9.4 15.7 47.0#

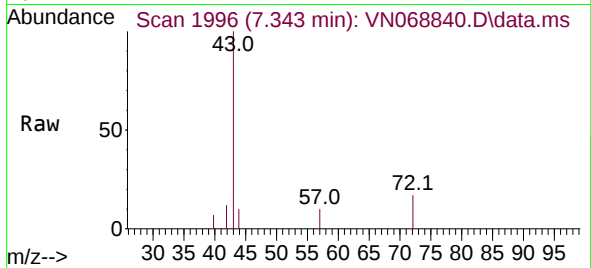
77 0.1 24.6 37.0#





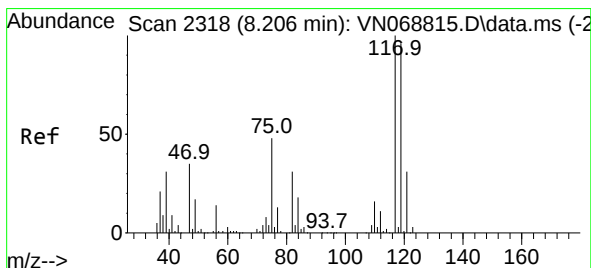
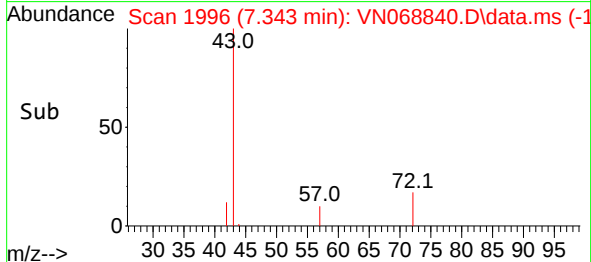
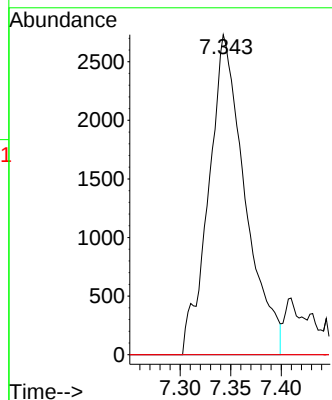
#37
Ethyl Acetate
Concen: 1.127 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. -0.070 min
Lab File: VN068840.D
Acq: 7 Oct 2021 14:41

Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#03



Tgt Ion: 43 Resp: 6823

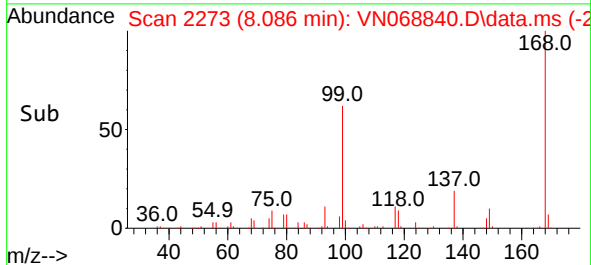
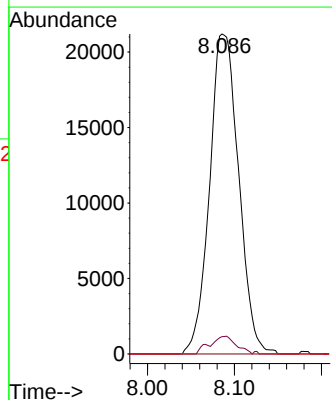
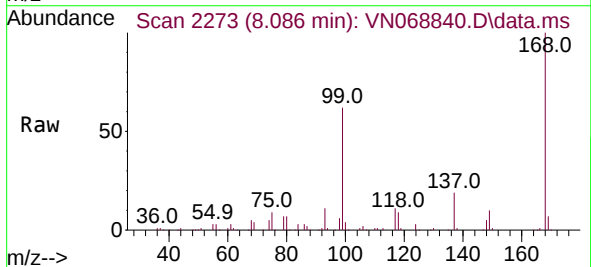
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.1	12.1#

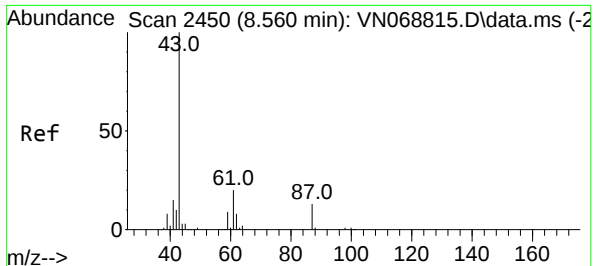


#38
Carbon Tetrachloride
Concen: 6.459 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN068840.D
Acq: 7 Oct 2021 14:41

Tgt Ion: 117 Resp: 49335

Ion	Ratio	Lower	Upper
117	100		
119	5.4	75.4	113.2#
121	0.0	23.5	35.3#

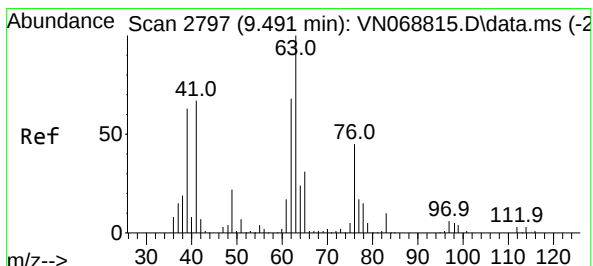
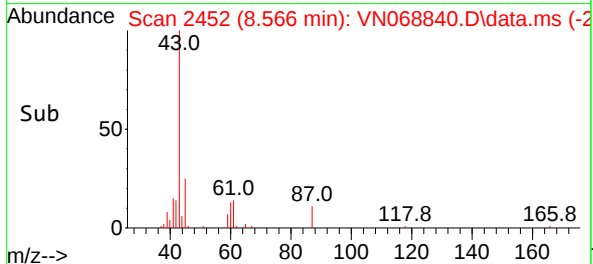
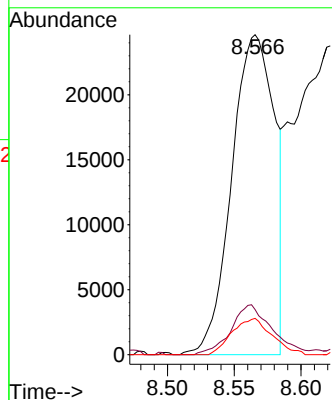
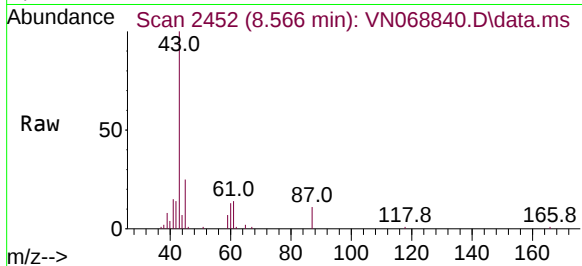




#43
Isopropyl Acetate
Concen: 4.980 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.006 min
Lab File: VN068840.D
Acq: 7 Oct 2021 14:41

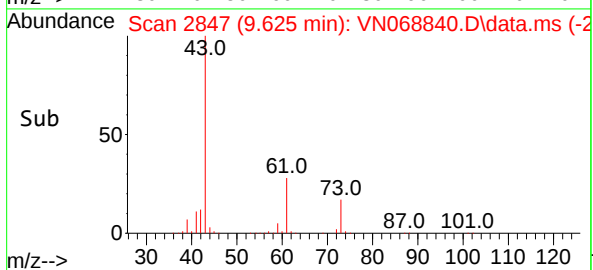
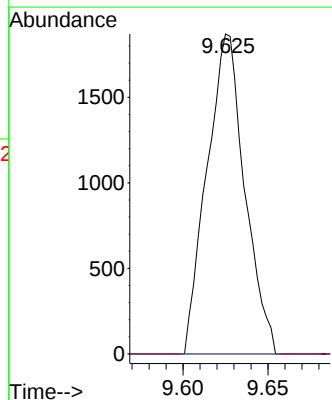
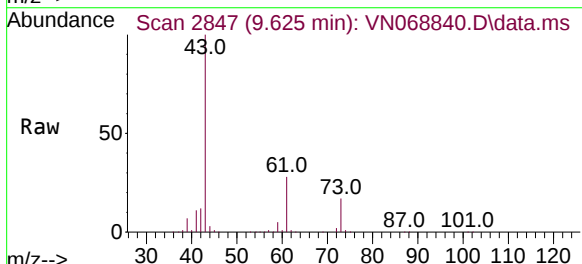
Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#03

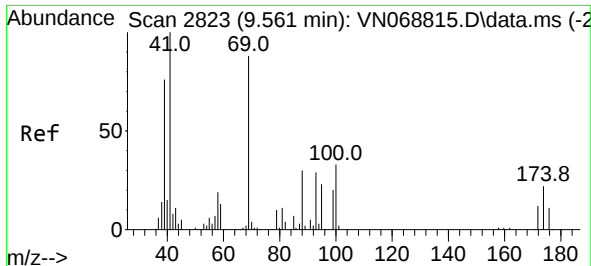
Tgt Ion: 43 Resp: 54810
Ion Ratio Lower Upper
43 100
61 15.0 19.0 28.4#
87 10.6 9.5 14.3



#45
1,2-Dichloropropane
Concen: 0.563 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068840.D
Acq: 7 Oct 2021 14:41

Tgt Ion: 63 Resp: 2891
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

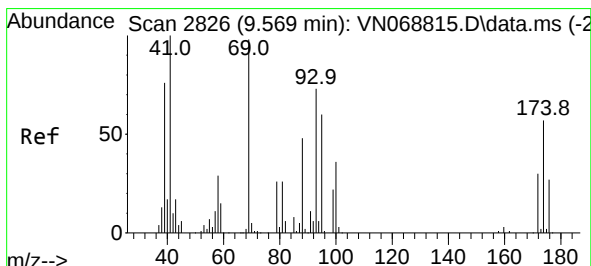
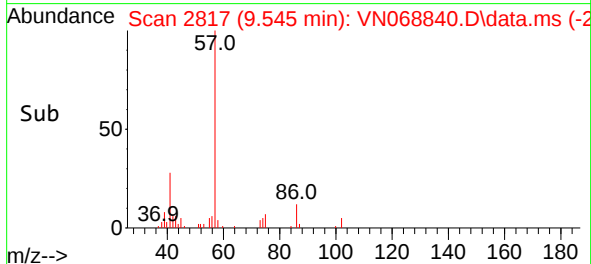
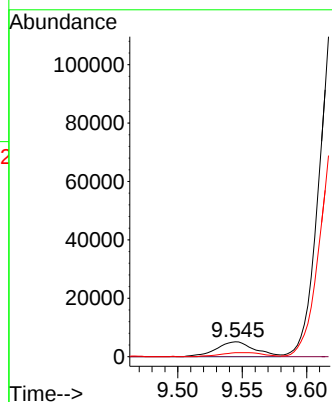
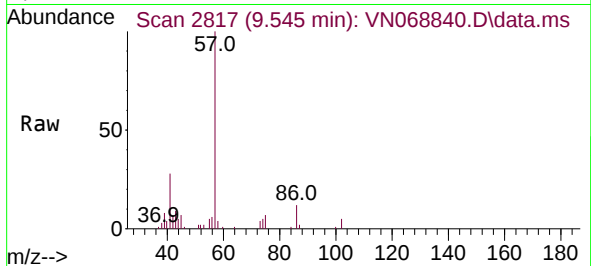




#48
Methyl methacrylate
Concen: 2.240 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068840.D
Acq: 7 Oct 2021 14:41

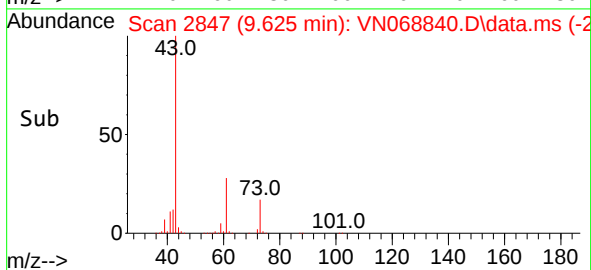
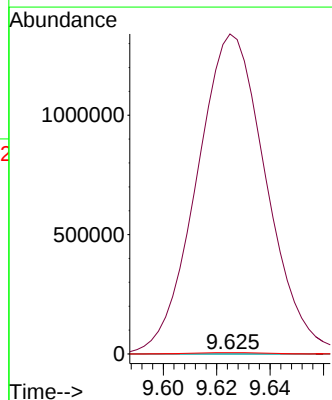
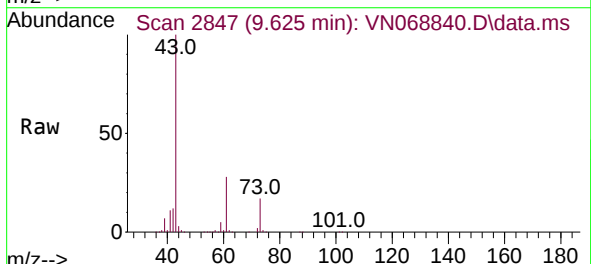
Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#03

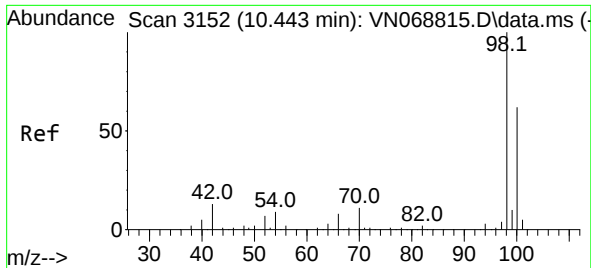
Tgt Ion: 41 Resp: 10533
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 3.479 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.056 min
Lab File: VN068840.D
Acq: 7 Oct 2021 14:41

Tgt Ion: 88 Resp: 356
Ion Ratio Lower Upper
88 100
43 694061.5 28.8 43.2#
58 3025.8 60.4 90.6#

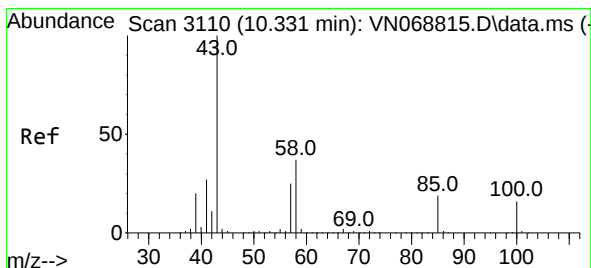
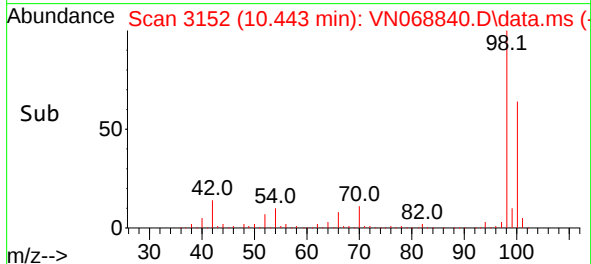
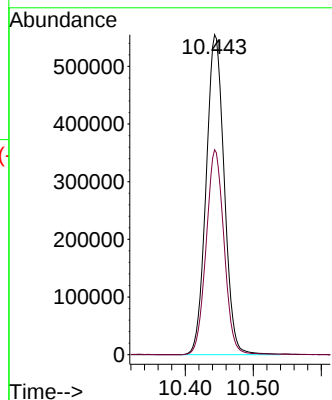
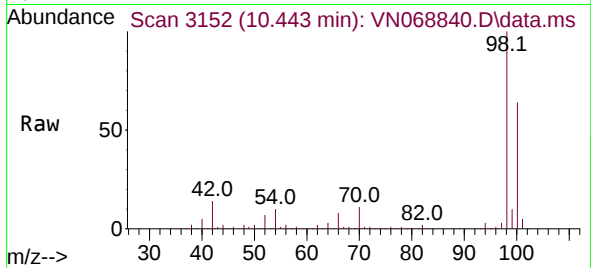




#50
Toluene-d8
Concen: 49.954 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068840.D
Acq: 7 Oct 2021 14:41

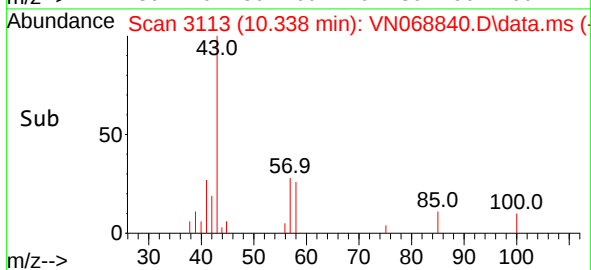
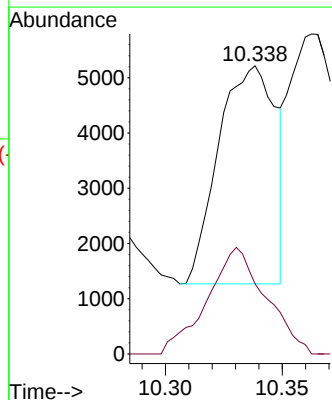
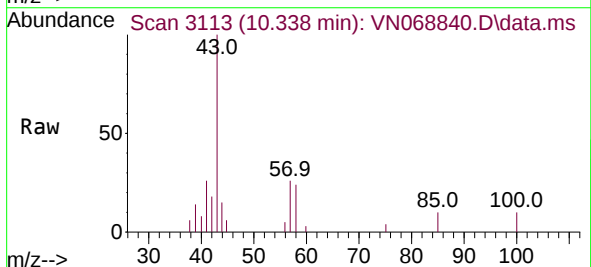
Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#03

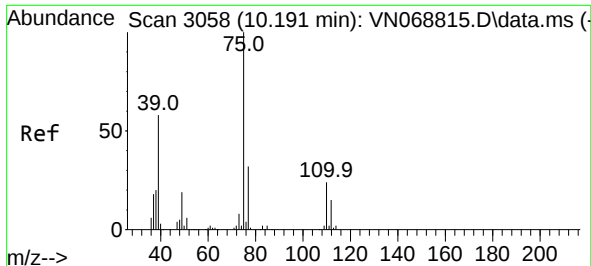
Tgt Ion: 98 Resp: 1026686
Ion Ratio Lower Upper
98 100
100 63.4 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.954 ug/l
RT: 10.338 min Scan# 3113
Delta R.T. 0.007 min
Lab File: VN068840.D
Acq: 7 Oct 2021 14:41

Tgt Ion: 43 Resp: 6683
Ion Ratio Lower Upper
43 100
58 50.2 28.6 43.0#

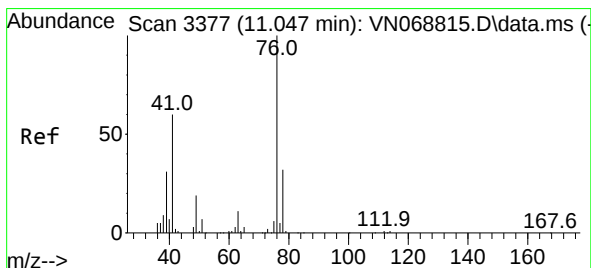
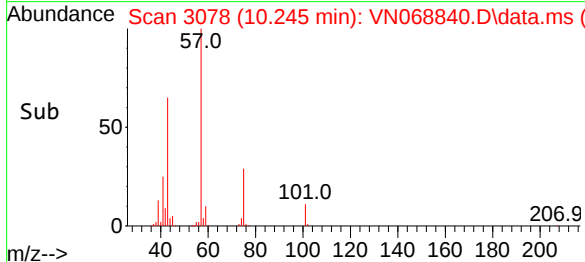
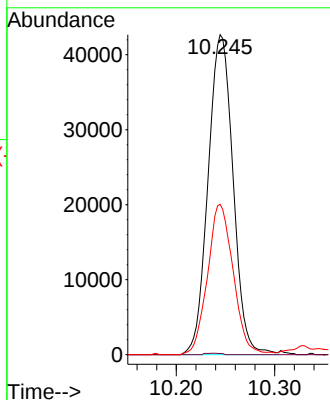
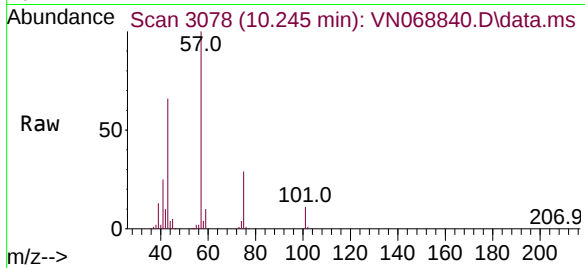




#54
 cis-1,3-Dichloropropene
 Concen: 8.944 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN068840.D
 Acq: 7 Oct 2021 14:41

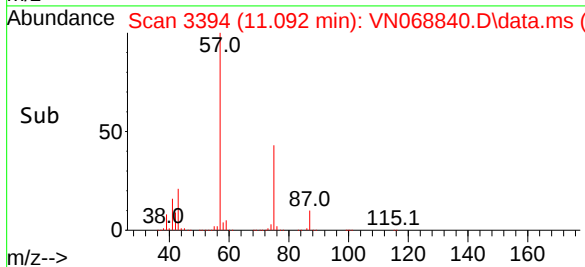
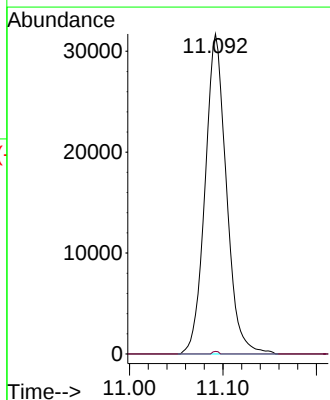
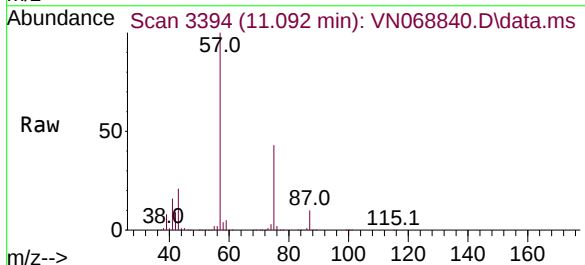
Instrument :
 MSVOA_N
 ClientSampleId :
 PB139682ZHE#03

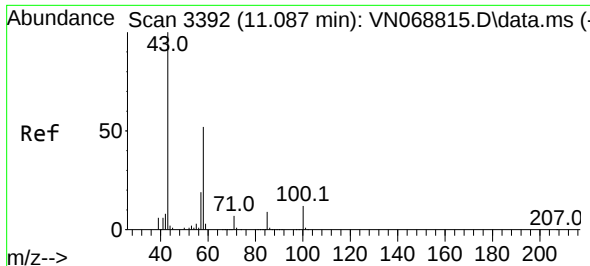
Tgt Ion: 75 Resp: 75450
 Ion Ratio Lower Upper
 75 100
 77 0.4 24.6 37.0#
 39 46.6 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 5.638 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.045 min
 Lab File: VN068840.D
 Acq: 7 Oct 2021 14:41

Tgt Ion: 76 Resp: 50281
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.7 38.5#

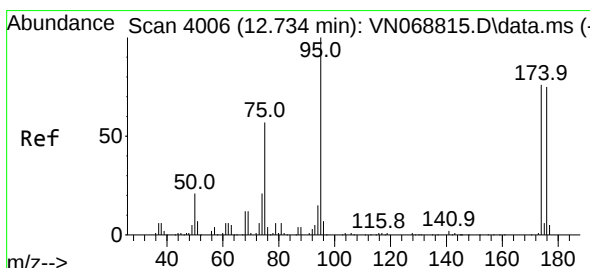
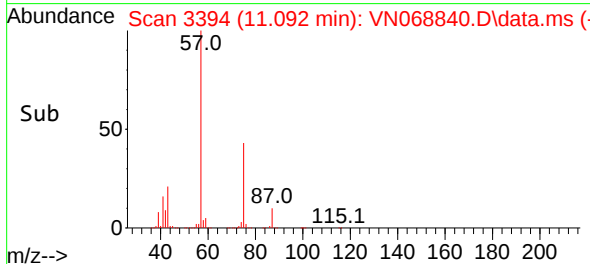
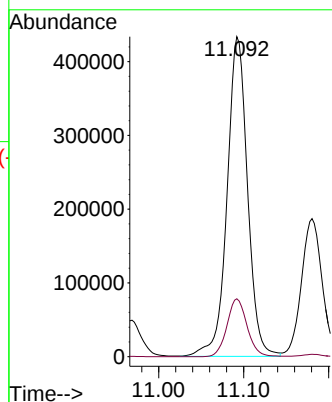
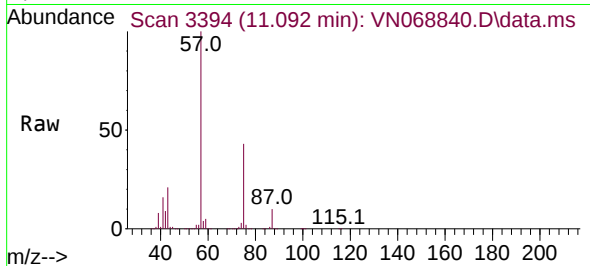




#59
2-Hexanone
Concen: 143.717 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068840.D
Acq: 7 Oct 2021 14:41

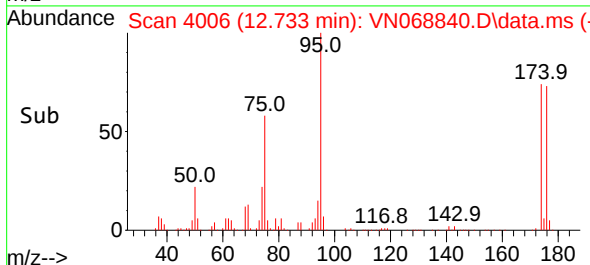
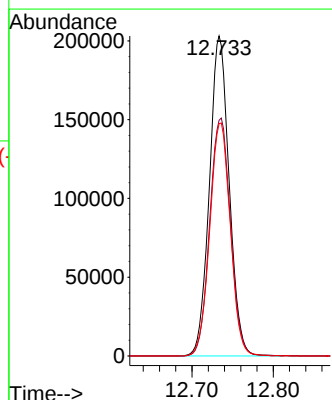
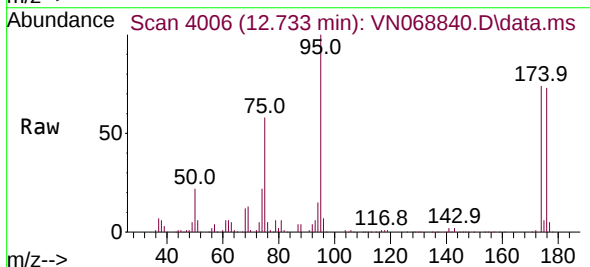
Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#03

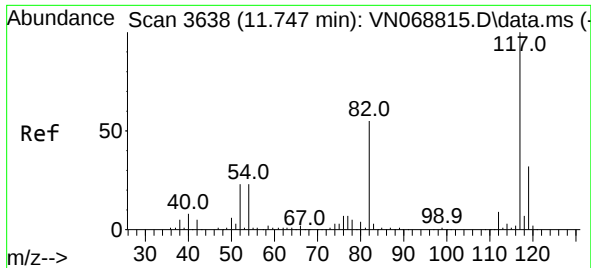
Tgt Ion: 43 Resp: 726423
Ion Ratio Lower Upper
43 100
58 17.8 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 44.691 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068840.D
Acq: 7 Oct 2021 14:41

Tgt Ion: 95 Resp: 342829
Ion Ratio Lower Upper
95 100
174 78.3 0.0 122.0
176 75.6 0.0 117.6

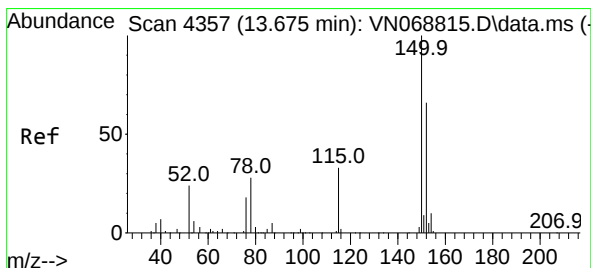
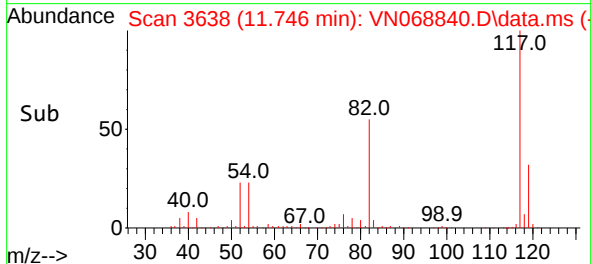
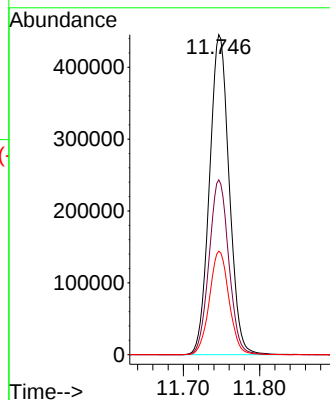
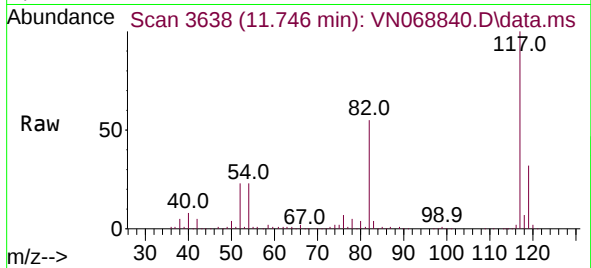




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068840.D
Acq: 7 Oct 2021 14:41

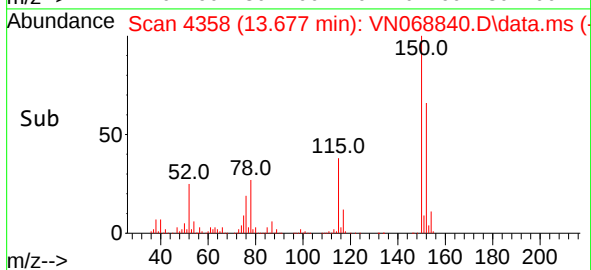
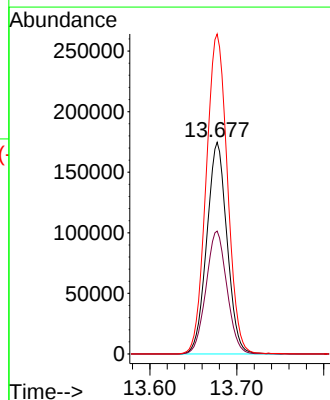
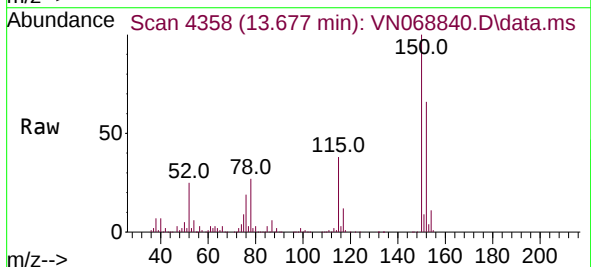
Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#03

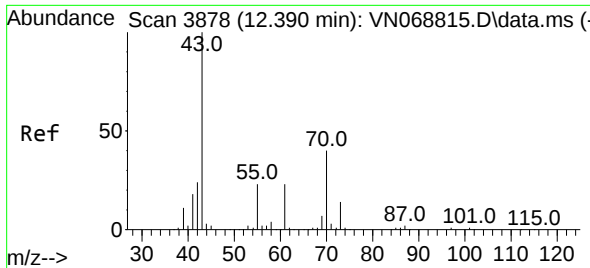
Tgt Ion:117 Resp: 798679
Ion Ratio Lower Upper
117 100
82 54.6 53.1 79.7
119 32.4 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068840.D
Acq: 7 Oct 2021 14:41

Tgt Ion:152 Resp: 282804
Ion Ratio Lower Upper
152 100
115 59.7 36.1 108.5
150 158.4 0.0 351.8

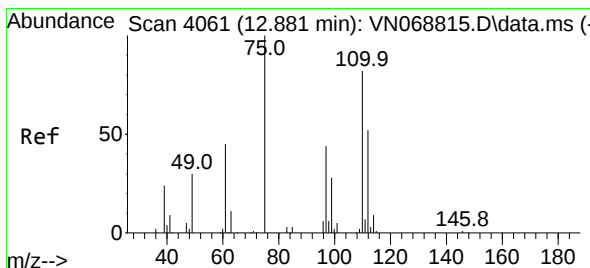
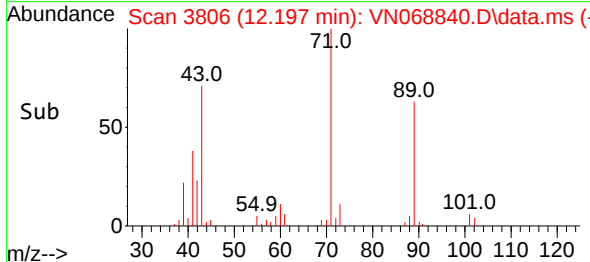
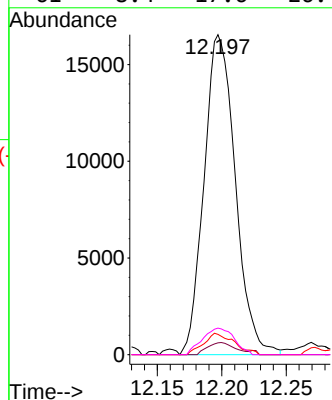
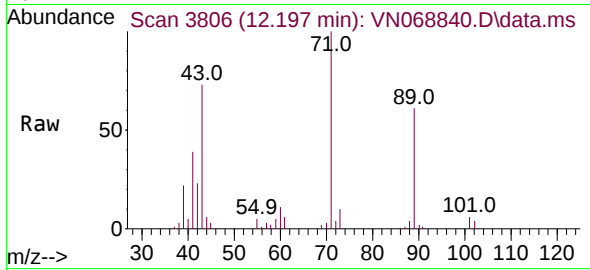




#74
N-amy1 acetate
Concen: 3.694 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.193 min
Lab File: VN068840.D
Acq: 7 Oct 2021 14:41

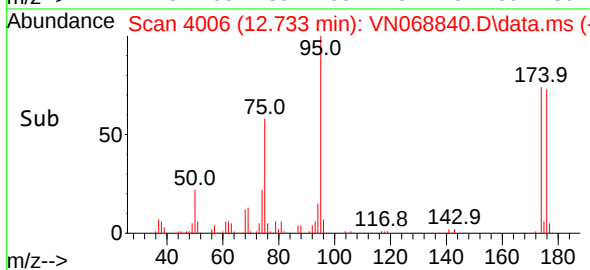
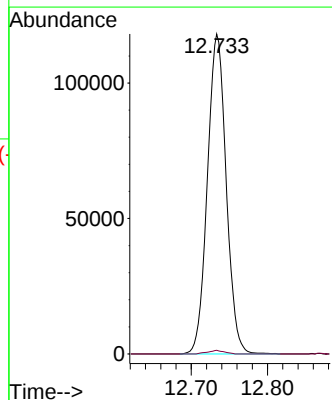
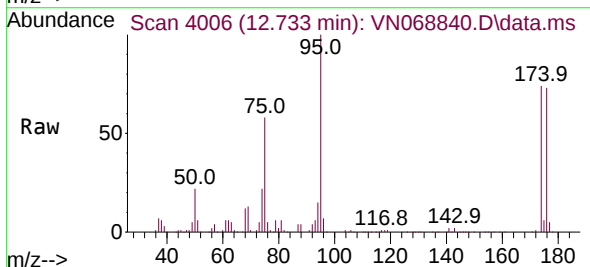
Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#03

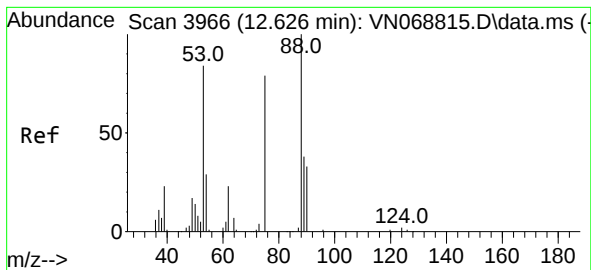
Tgt Ion: 43	Resp: 27926
Ion Ratio	Lower Upper
43 100	
70 3.3	29.4 44.2#
55 6.5	17.0 25.4#
61 8.4	17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 36.214 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068840.D
Acq: 7 Oct 2021 14:41

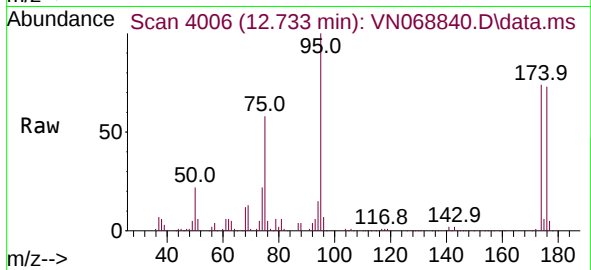
Tgt Ion: 75	Resp: 201883
Ion Ratio	Lower Upper
75 100	
77 1.0	0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.911 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.107 min
 Lab File: VN068840.D
 Acq: 7 Oct 2021 14:41

Instrument :
 MSVOA_N
 ClientSampleId :
 PB139682ZHE#03



Tgt Ion: 75 Resp: 201883

Ion	Ratio	Lower	Upper
75	100		
53	0.0	87.6	131.4#
89	0.0	37.8	56.8#

