

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100721\
 Data File : VN068838.D
 Acq On : 7 Oct 2021 13:51
 Operator : JC/MD
 Sample : PB139682ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB139682ZHE#01

Quant Time: Oct 08 05:57:41 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

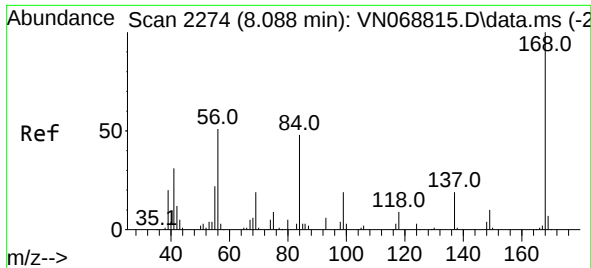
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	496576	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	861706	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	840496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	296610	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	344957	47.270	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.540%		
35) Dibromofluoromethane	8.024	113	273879	48.385	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.780%		
50) Toluene-d8	10.443	98	1100125	49.838	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.680%		
62) 4-Bromofluorobenzene	12.734	95	359974	43.800	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.600%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.301	50	1445	Below Cal	#	43
4) Vinyl Chloride	2.620	62	52	Below Cal	#	1
6) Chloroethane	2.928	64	416	Below Cal	#	79
11) Tert butyl alcohol	5.369	59	644	0.742	ug/l #	71
16) Acetone	4.291	43	4590	Below Cal	#	88
17) Carbon Disulfide	4.529	76	232	Below Cal	#	74
18) Methyl Acetate	4.867	43	5477	0.759	ug/l #	78
20) Methylene Chloride	5.109	84	29078	3.218	ug/l #	82
25) 2-Butanone	7.340	43	3789	1.137	ug/l	98
31) Cyclohexane	8.086	56	12995	Below Cal	#	24
36) 1,1-Dichloropropene	8.083	75	43729	6.420	ug/l #	53
38) Carbon Tetrachloride	8.088	117	54878	6.689	ug/l #	17
43) Isopropyl Acetate	8.563	43	51680	4.372	ug/l #	87
45) 1,2-Dichloropropane	9.630	63	2906	0.527	ug/l #	44
48) Methyl methacrylate	9.625	41	262550	51.986	ug/l #	48
49) 1,4-Dioxane	9.630	88	450	4.095	ug/l #	1
51) 4-Methyl-2-Pentanone	10.245	43	172794	22.956	ug/l #	49
54) cis-1,3-Dichloropropene	10.245	75	76172	8.407	ug/l #	65
57) 1,3-Dichloropropane	11.092	76	47757	4.986	ug/l #	43
59) 2-Hexanone	11.092	43	734465	135.293	ug/l #	54
74) N-amyl acetate	12.393	43	2276	0.287	ug/l #	67
76) 1,2,3-Trichloropropane	12.734	75	211629	36.195	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.734	75	211629	104.856	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.265	180	1314	0.298	ug/l	95
95) Naphthalene	15.509	128	4883	0.415	ug/l	98

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100621W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

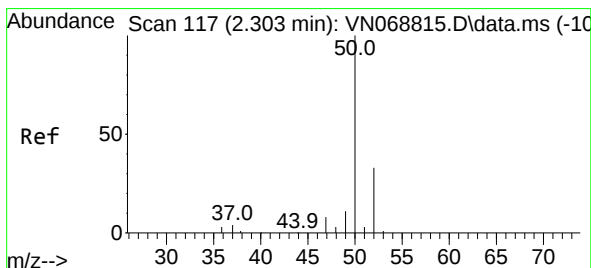
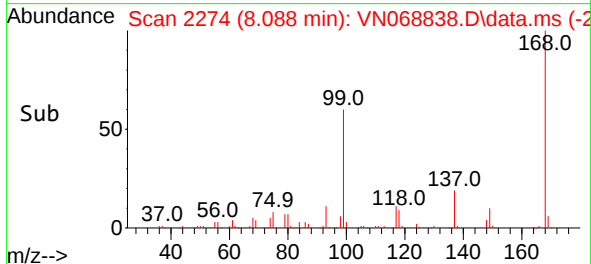
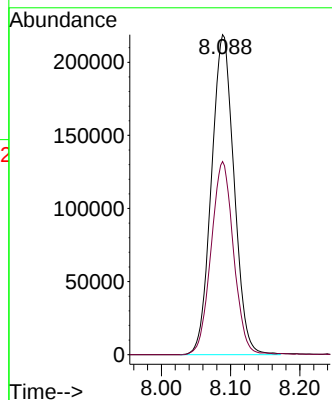
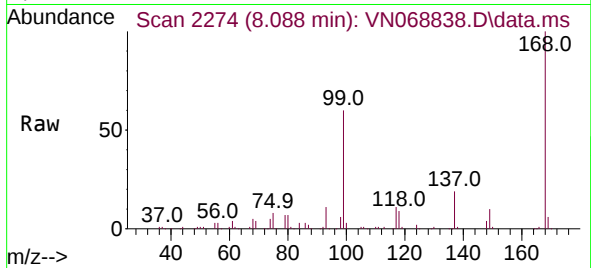




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

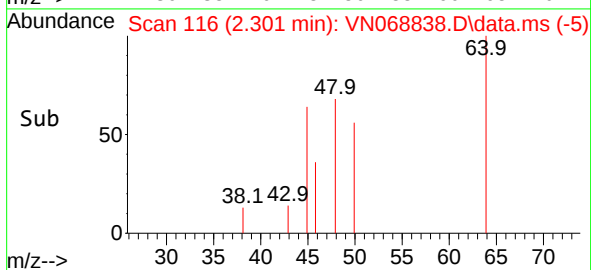
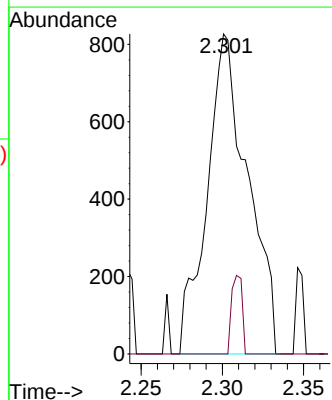
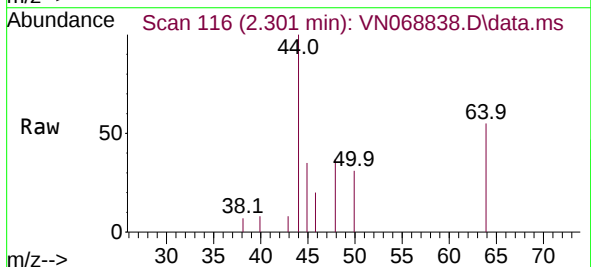
Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#01

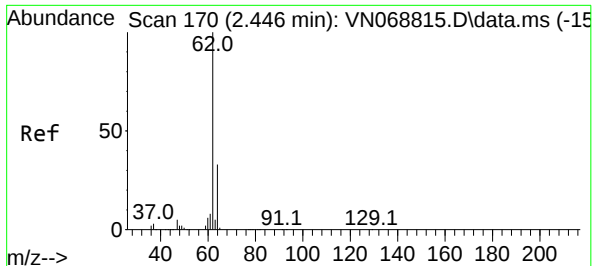
Tgt Ion:168 Resp: 496576
Ion Ratio Lower Upper
168 100
99 60.4 62.9 94.3#



#3
Chloromethane
Concen: Below Cal
RT: 2.301 min Scan# 116
Delta R.T. -0.002 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

Tgt Ion: 50 Resp: 1445
Ion Ratio Lower Upper
50 100
52 0.0 25.6 38.4#

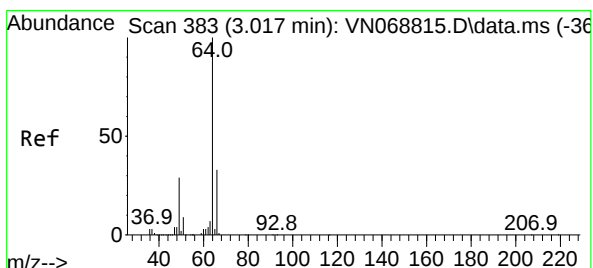
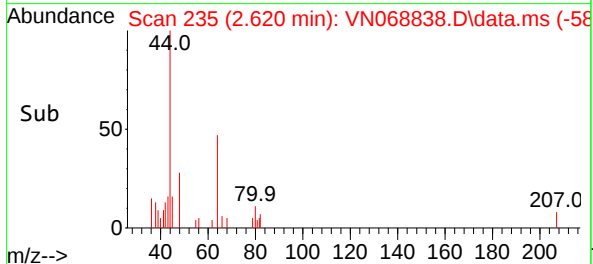
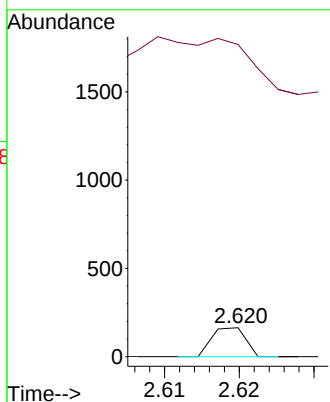
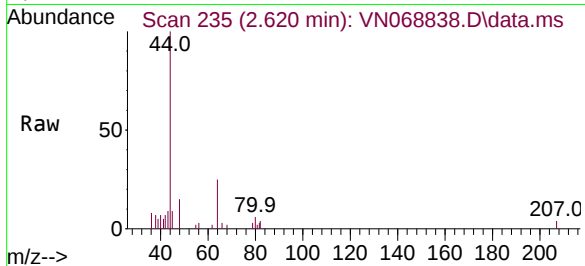




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.620 min Scan# 235
 Delta R.T. 0.174 min
 Lab File: VN068838.D
 Acq: 7 Oct 2021 13:51

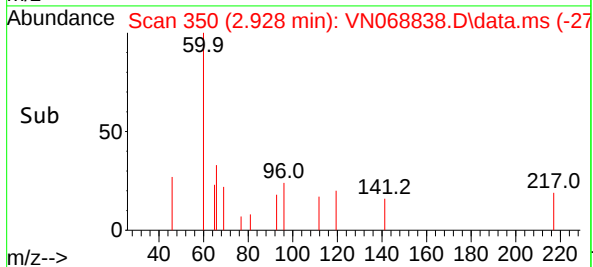
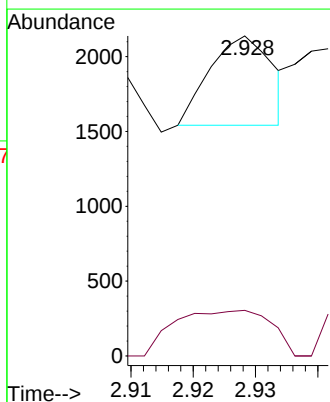
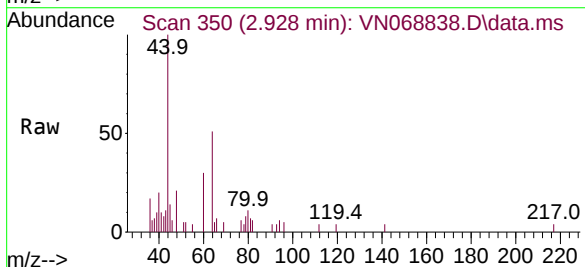
Instrument :
 MSVOA_N
 ClientSampleId :
 PB139682ZHE#01

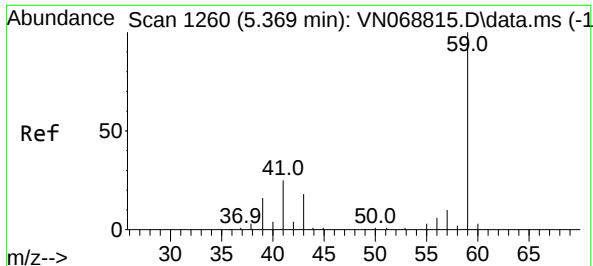
Tgt Ion: 62 Resp: 52
 Ion Ratio Lower Upper
 62 100
 64 155.5 24.4 36.6#



#6
 Chloroethane
 Concen: Below Cal
 RT: 2.928 min Scan# 350
 Delta R.T. -0.089 min
 Lab File: VN068838.D
 Acq: 7 Oct 2021 13:51

Tgt Ion: 64 Resp: 416
 Ion Ratio Lower Upper
 64 100
 66 19.6 24.7 37.1#



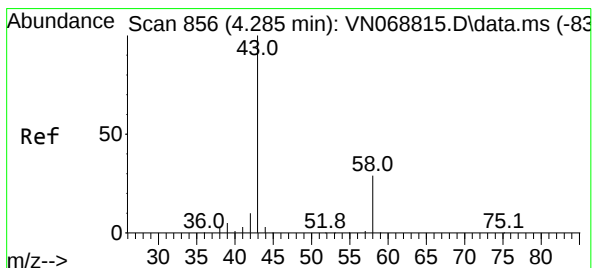
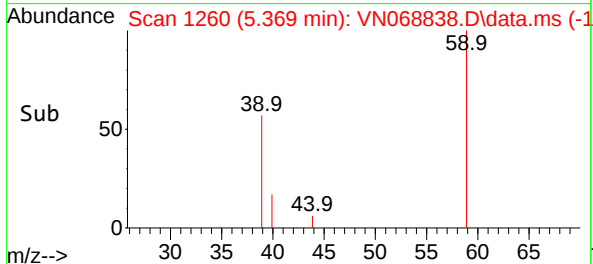
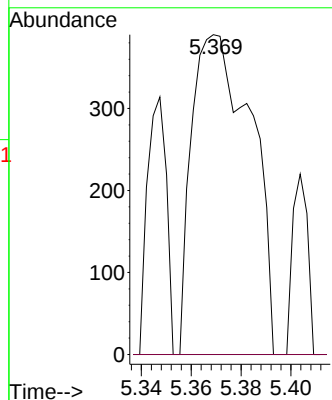
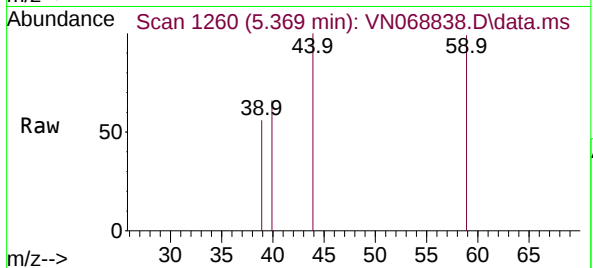


#11

Tert butyl alcohol
Concen: 0.742 ug/l
RT: 5.369 min Scan# 1260
Delta R.T. -0.000 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#01

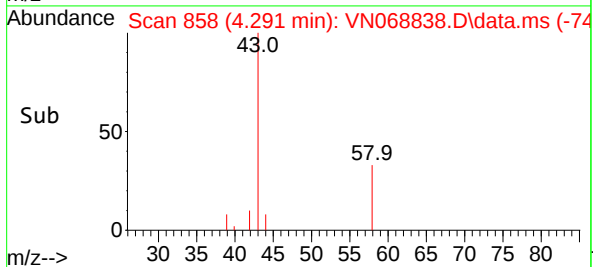
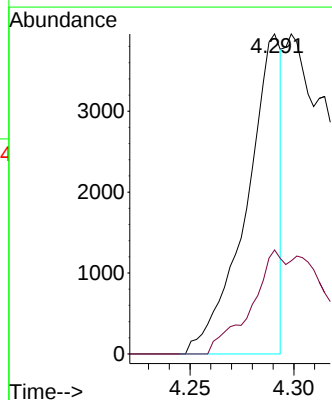
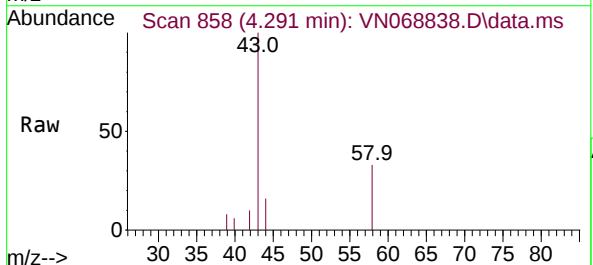
Tgt Ion: 59 Resp: 644
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

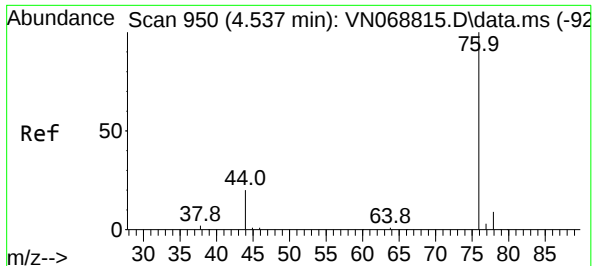


#16

Acetone
Concen: Below Cal
RT: 4.291 min Scan# 858
Delta R.T. 0.006 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

Tgt Ion: 43 Resp: 4590
Ion Ratio Lower Upper
43 100
58 32.5 21.2 31.8#

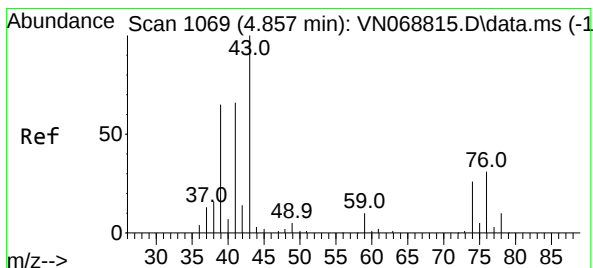
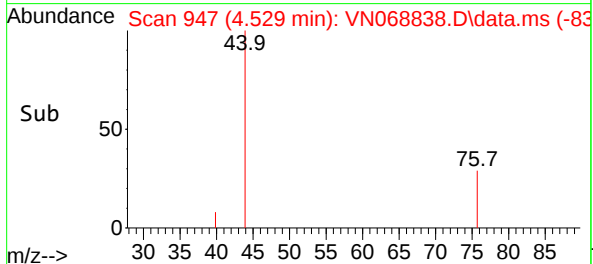
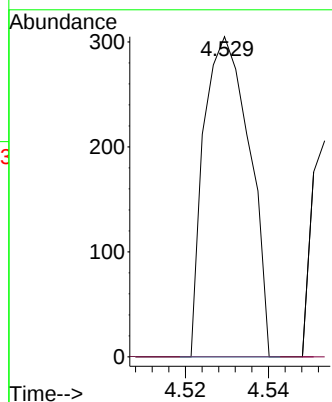
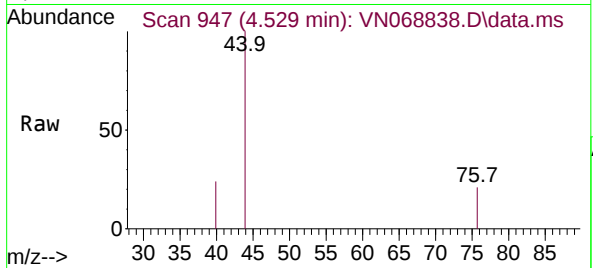




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.529 min Scan# 947
Delta R.T. -0.008 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

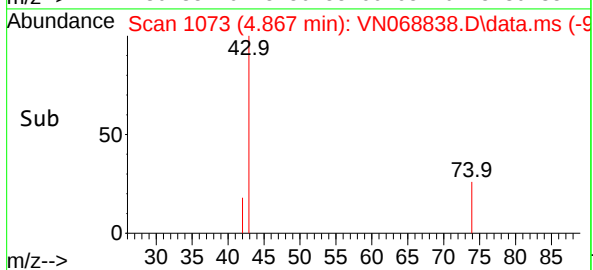
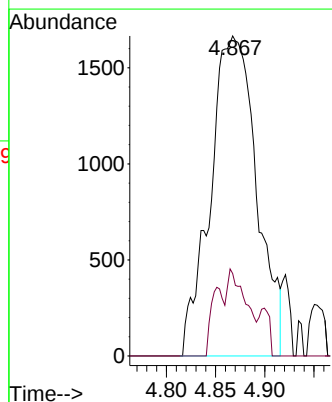
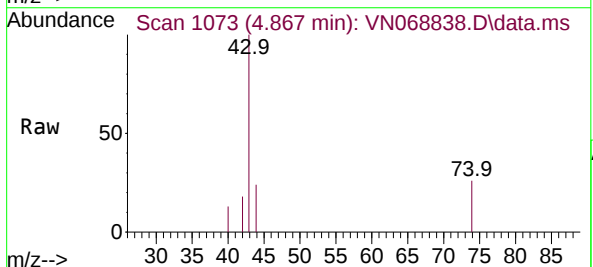
Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#01

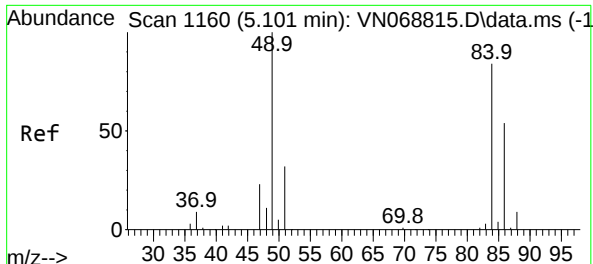
Tgt Ion: 76 Resp: 232
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#18
Methyl Acetate
Concen: 0.759 ug/l
RT: 4.867 min Scan# 1073
Delta R.T. 0.010 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

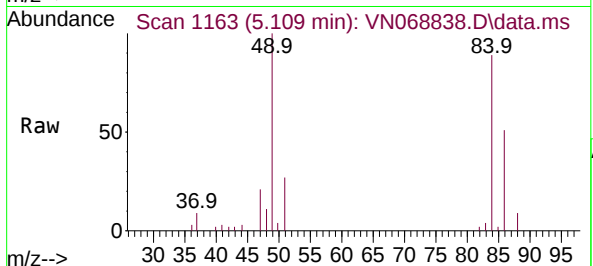
Tgt Ion: 43 Resp: 5477
Ion Ratio Lower Upper
43 100
74 11.2 17.4 26.0#



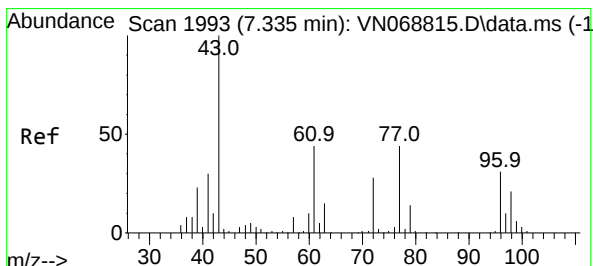
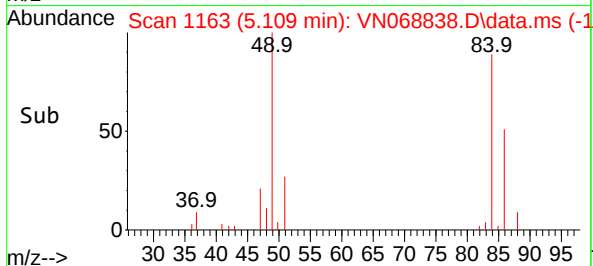
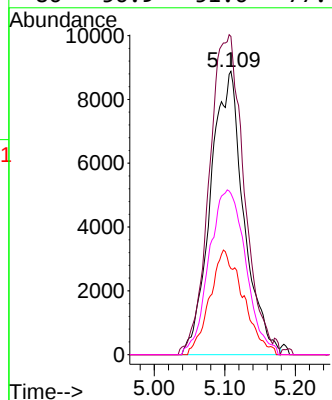


#20
Methylene Chloride
Concen: 3.218 ug/l
RT: 5.109 min Scan# 1163
Delta R.T. 0.008 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#01

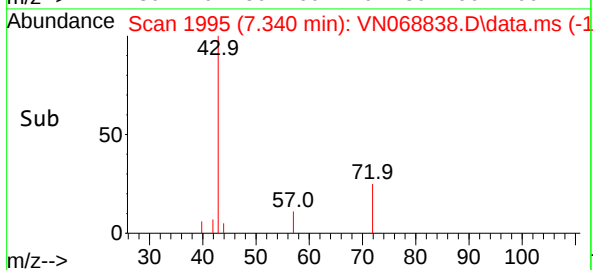
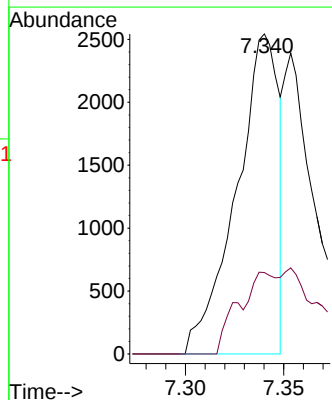
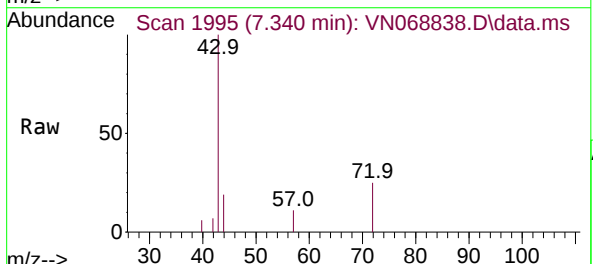


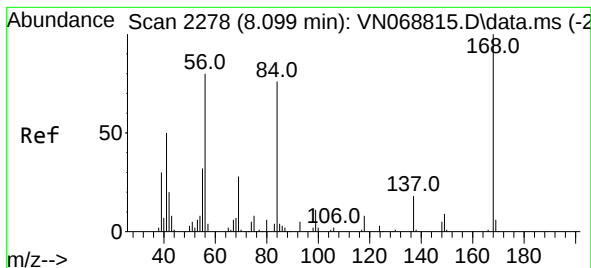
Tgt Ion:	84	Resp:	29078
Ion	Ratio	Lower	Upper
84	100		
49	112.3	110.9	166.3
51	30.4	32.6	49.0#
86	56.9	51.6	77.4



#25
2-Butanone
Concen: 1.137 ug/l
RT: 7.340 min Scan# 1995
Delta R.T. 0.005 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

Tgt Ion:	43	Resp:	3789
Ion	Ratio	Lower	Upper
43	100		
72	25.5	19.7	29.5

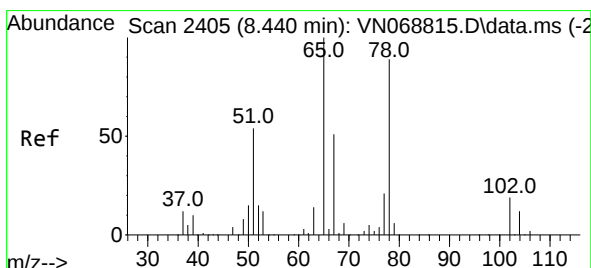
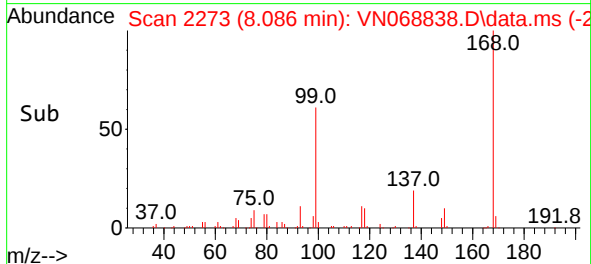
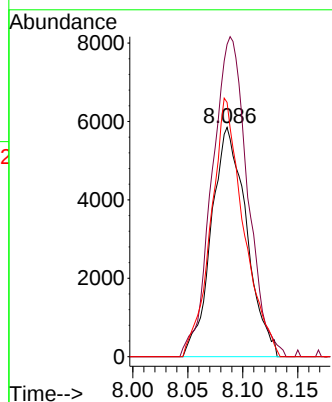
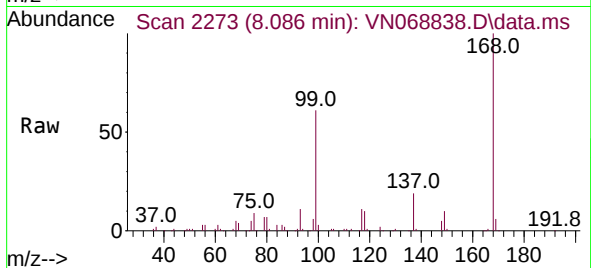




#31
Cyclohexane
Concen: Below Cal
RT: 8.086 min Scan# 2273
Delta R.T. -0.013 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

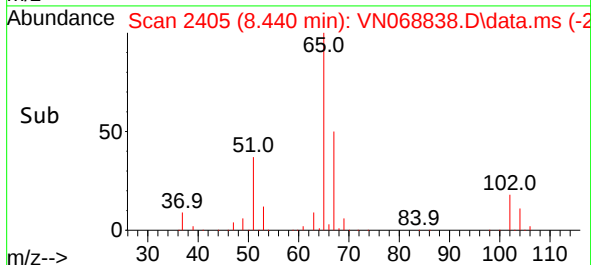
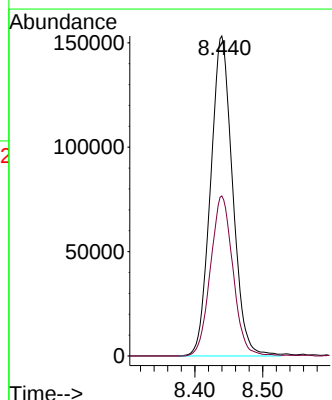
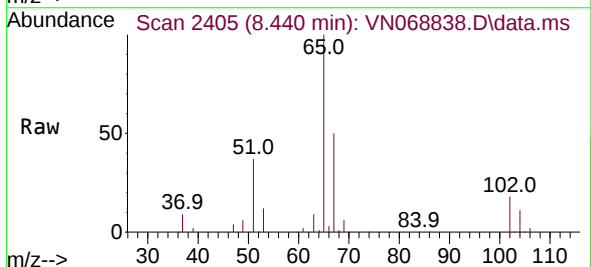
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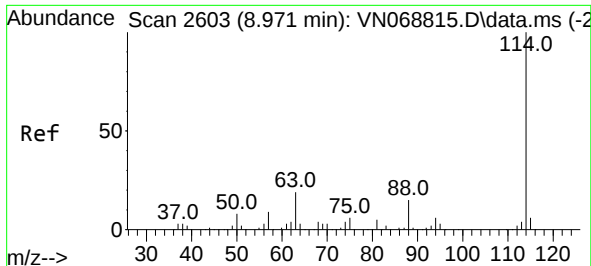
Tgt Ion: 56 Resp: 12995
Ion Ratio Lower Upper
56 100
69 136.3 27.3 40.9#
84 110.9 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 47.270 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

Tgt Ion: 65 Resp: 344957
Ion Ratio Lower Upper
65 100
67 50.9 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: VN068838.D

Acq: 7 Oct 2021 13:51

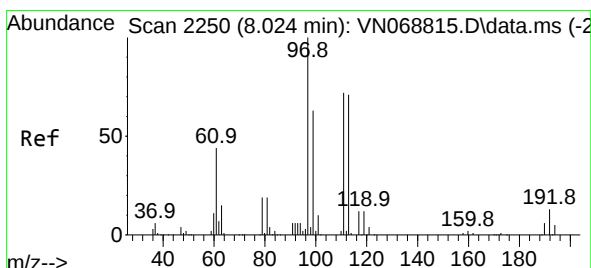
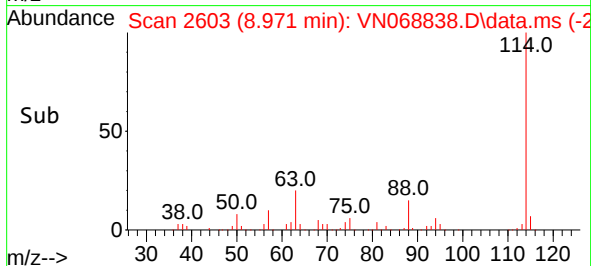
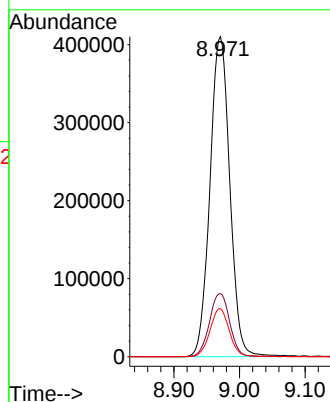
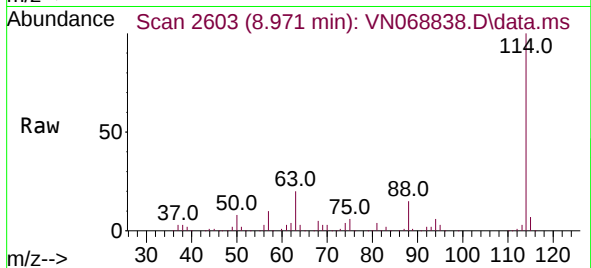
Tgt Ion:114 Resp: 861706

Ion Ratio Lower Upper

114 100

63 19.7 0.0 49.0

88 15.1 0.0 36.6



#35

Dibromofluoromethane

Concen: 48.385 ug/l

RT: 8.024 min Scan# 2250

Delta R.T. 0.000 min

Lab File: VN068838.D

Acq: 7 Oct 2021 13:51

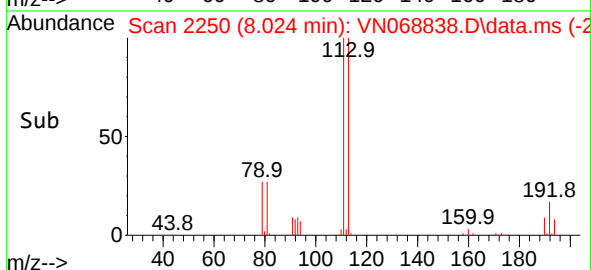
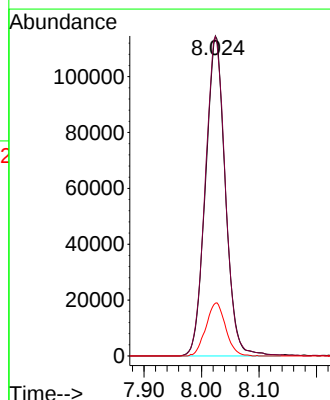
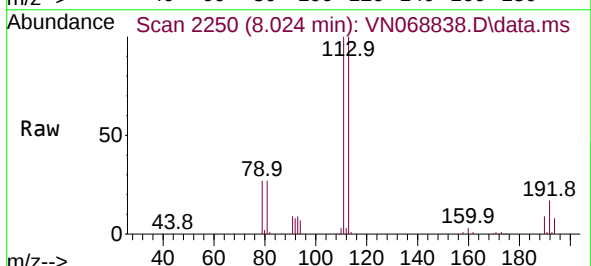
Tgt Ion:113 Resp: 273879

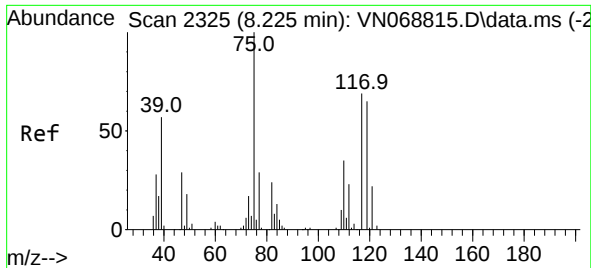
Ion Ratio Lower Upper

113 100

111 101.0 83.8 125.8

192 16.5 13.4 20.0

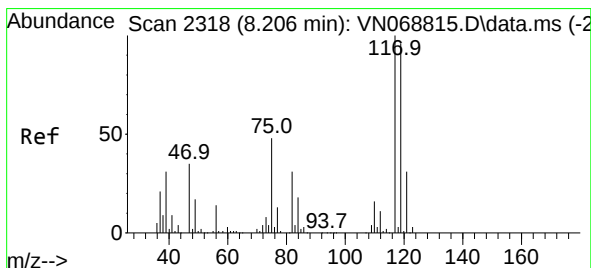
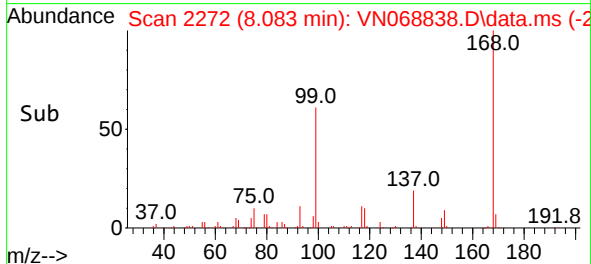
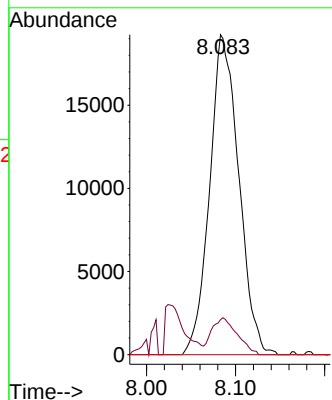
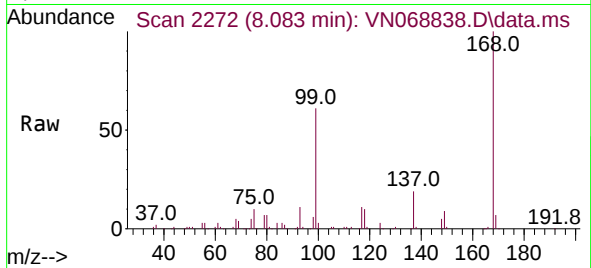




#36
1,1-Dichloropropene
Concen: 6.420 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.142 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

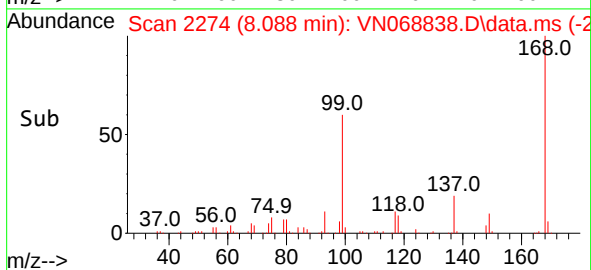
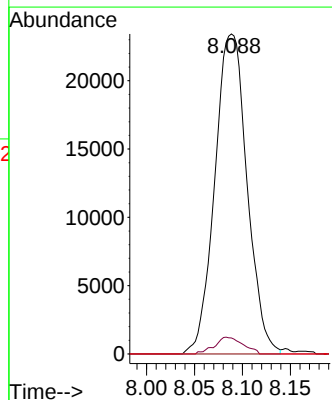
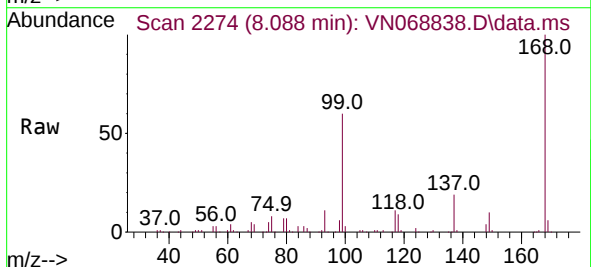
Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#01

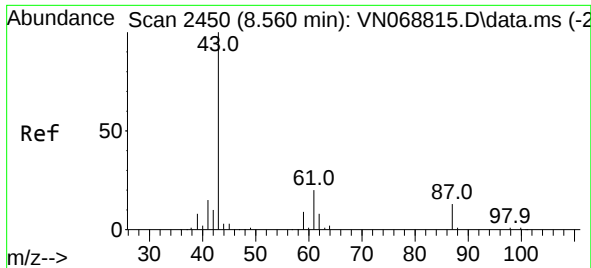
Tgt Ion: 75 Resp: 43729
Ion Ratio Lower Upper
75 100
110 10.1 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.689 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

Tgt Ion: 117 Resp: 54878
Ion Ratio Lower Upper
117 100
119 5.0 75.4 113.2#
121 0.0 23.5 35.3#

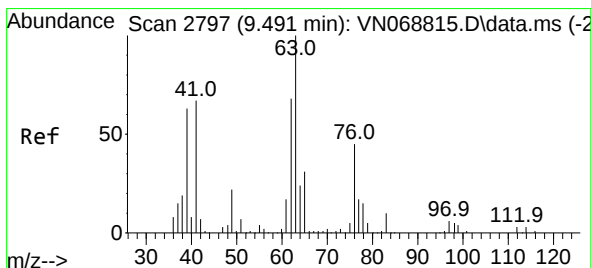
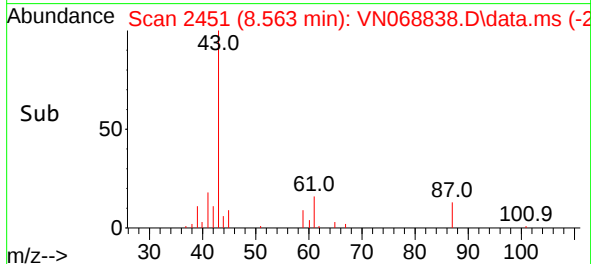
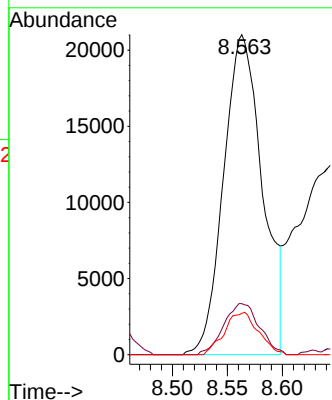
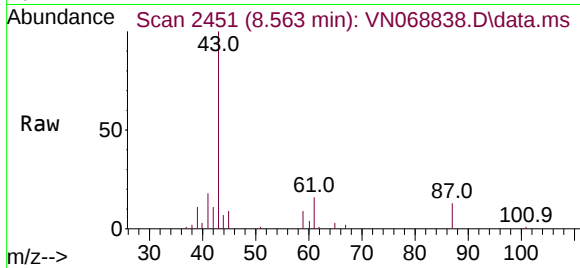




#43
Isopropyl Acetate
Concen: 4.372 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

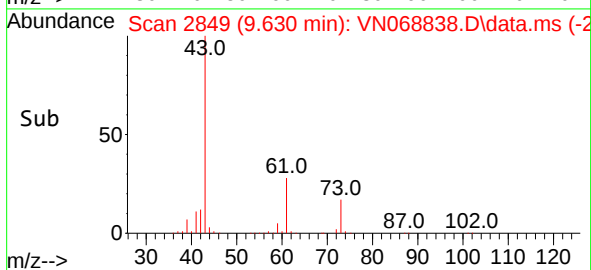
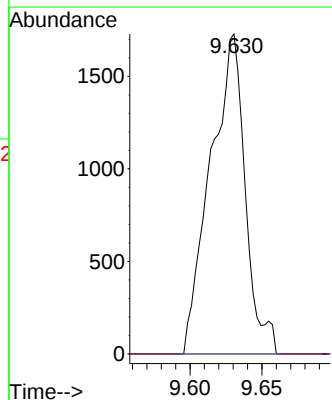
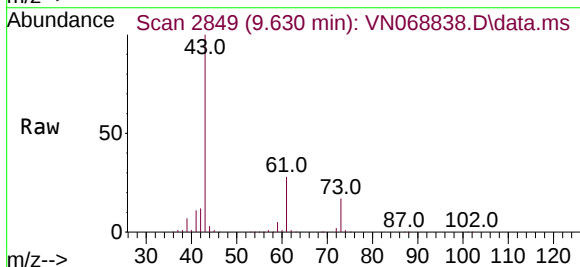
Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#01

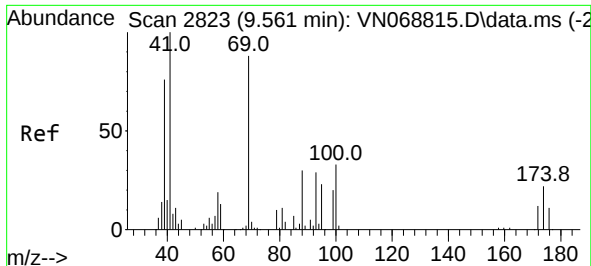
Tgt Ion: 43 Resp: 51680
Ion Ratio Lower Upper
43 100
61 14.7 19.0 28.4#
87 11.5 9.5 14.3



#45
1,2-Dichloropropane
Concen: 0.527 ug/l
RT: 9.630 min Scan# 2849
Delta R.T. 0.139 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

Tgt Ion: 63 Resp: 2906
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

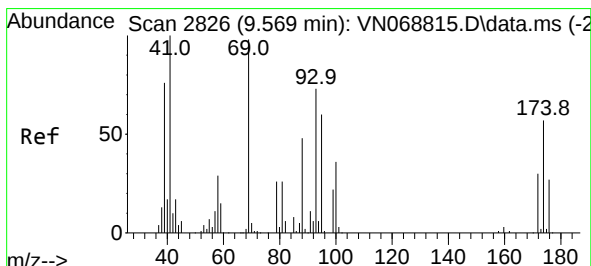
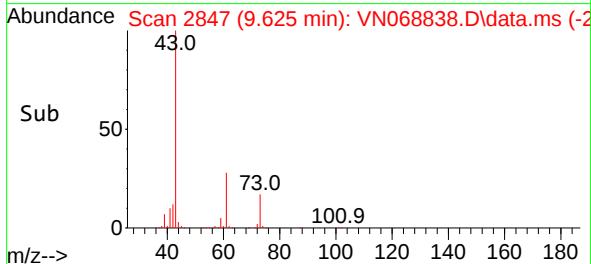
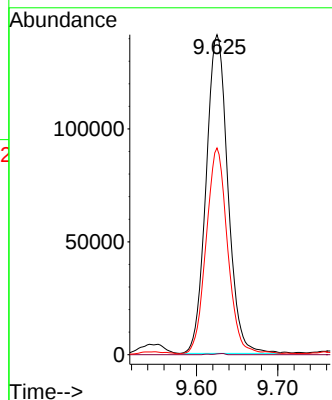
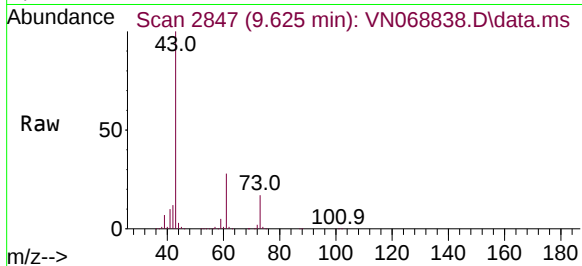




#48
Methyl methacrylate
Concen: 51.986 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.064 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

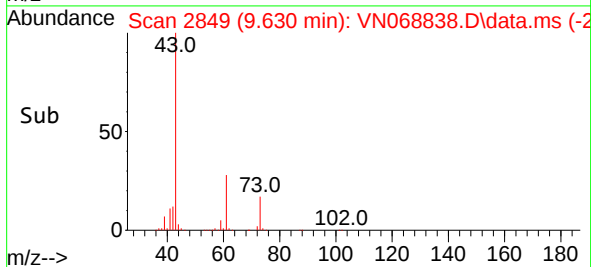
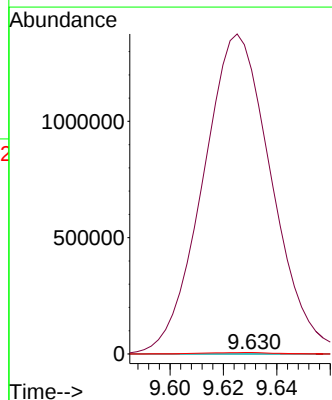
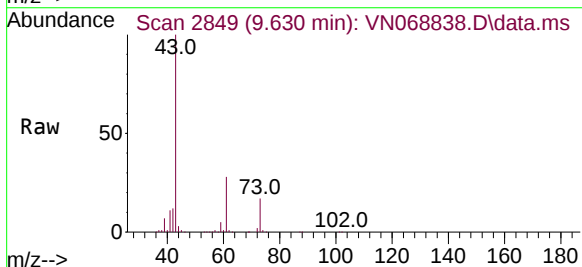
Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#01

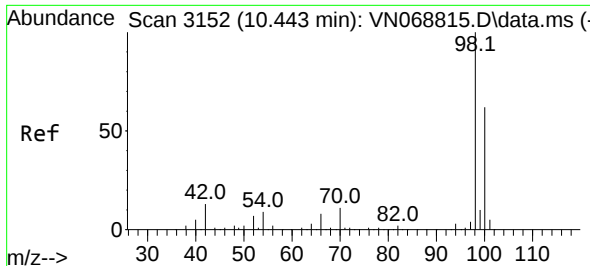
Tgt Ion: 41 Resp: 262550
Ion Ratio Lower Upper
41 100
69 0.1 64.6 96.8#
39 63.4 53.3 79.9



#49
1,4-Dioxane
Concen: 4.095 ug/l
RT: 9.630 min Scan# 2849
Delta R.T. 0.061 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

Tgt Ion: 88 Resp: 450
Ion Ratio Lower Upper
88 100
43 558910.9 28.8 43.2#
58 2608.2 60.4 90.6#

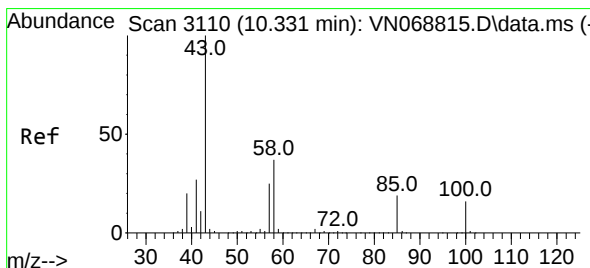
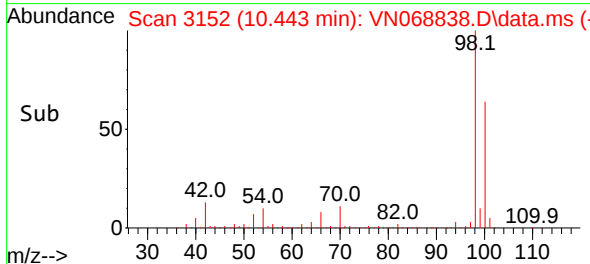
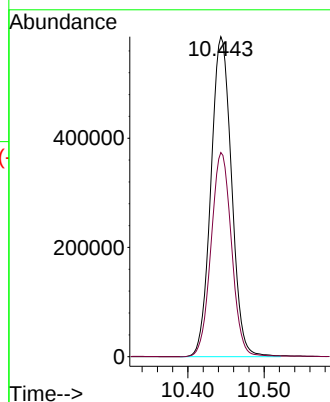
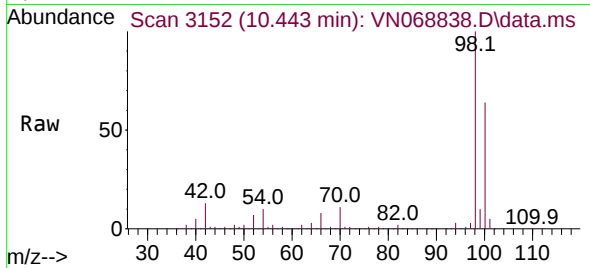




#50
Toluene-d8
Concen: 49.838 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

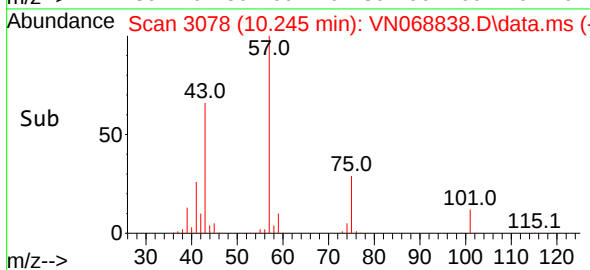
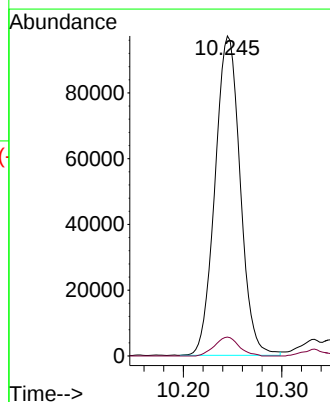
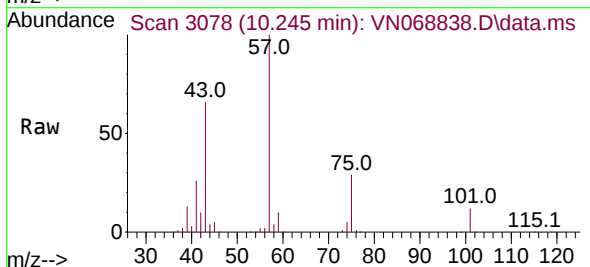
Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#01

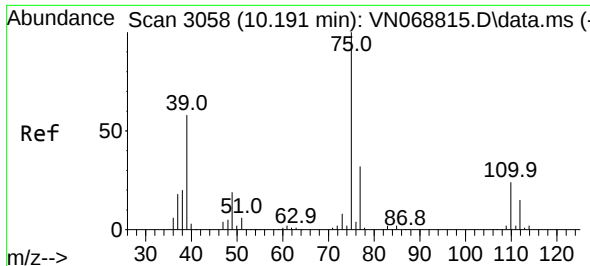
Tgt Ion: 98 Resp: 1100125
Ion Ratio Lower Upper
98 100
100 63.5 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 22.956 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. -0.086 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

Tgt Ion: 43 Resp: 172794
Ion Ratio Lower Upper
43 100
58 5.7 28.6 43.0#

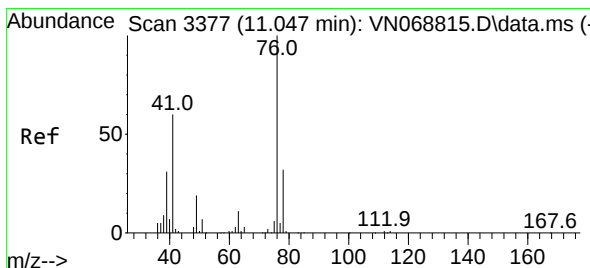
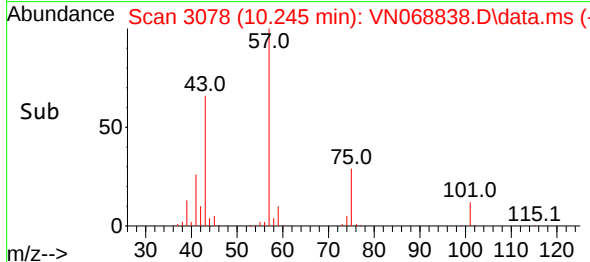
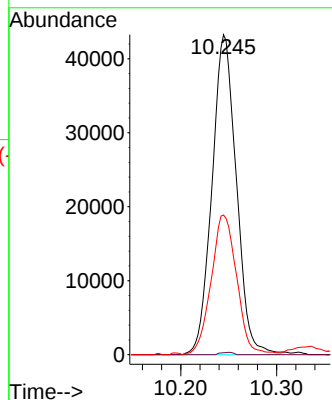
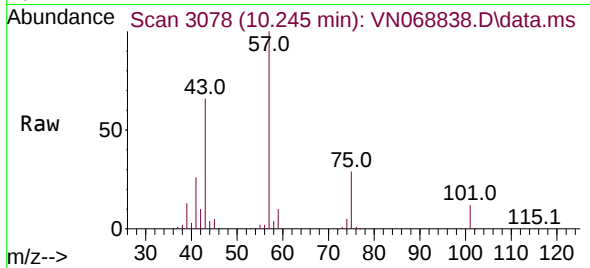




#54
 cis-1,3-Dichloropropene
 Concen: 8.407 ug/l
 RT: 10.245 min Scan# 3078
 Delta R.T. 0.054 min
 Lab File: VN068838.D
 Acq: 7 Oct 2021 13:51

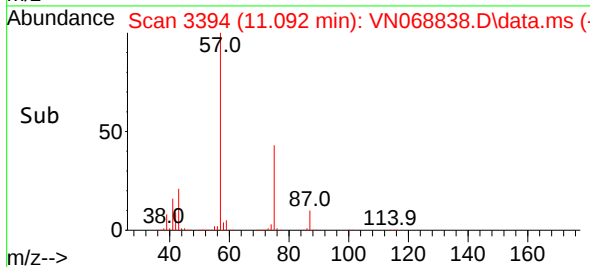
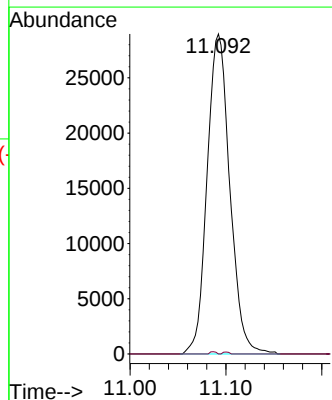
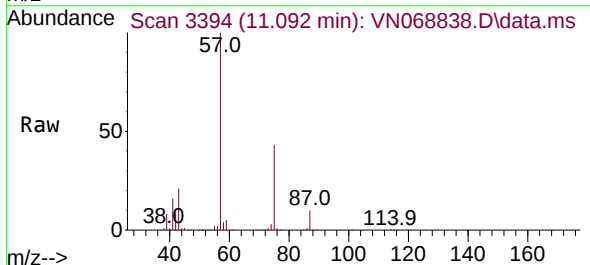
Instrument :
 MSVOA_N
 ClientSampleId :
 PB139682ZHE#01

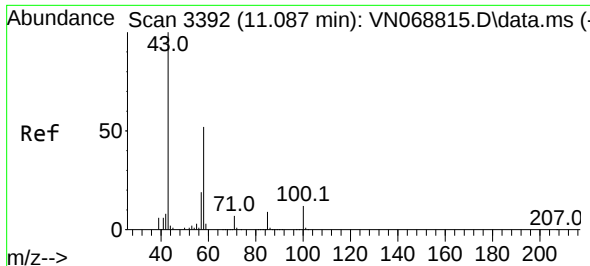
Tgt Ion: 75 Resp: 76172
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.6 37.0#
 39 43.3 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 4.986 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.045 min
 Lab File: VN068838.D
 Acq: 7 Oct 2021 13:51

Tgt Ion: 76 Resp: 47757
 Ion Ratio Lower Upper
 76 100
 78 0.2 25.7 38.5#

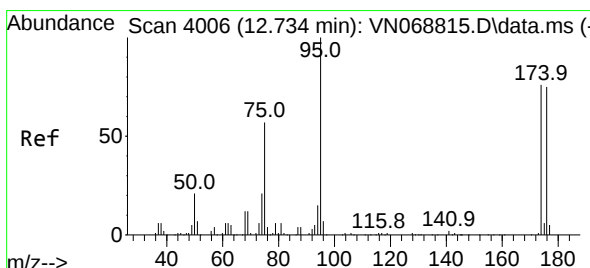
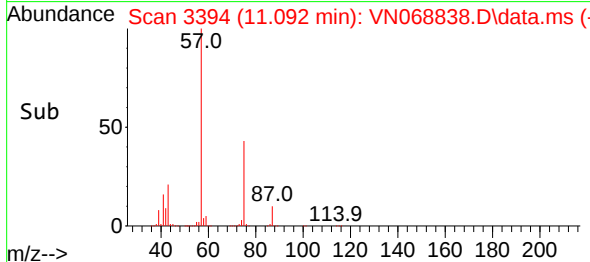
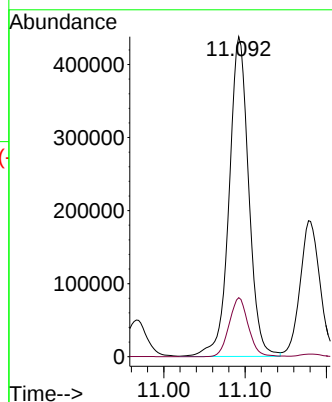
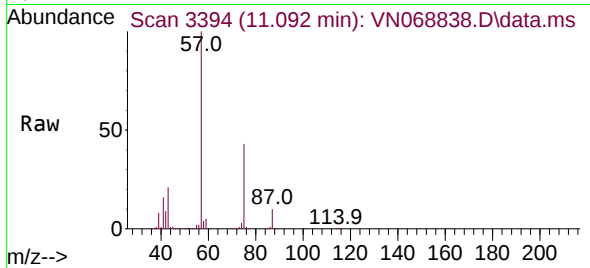




#59
2-Hexanone
Concen: 135.293 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

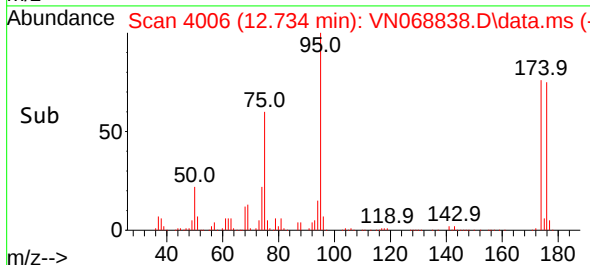
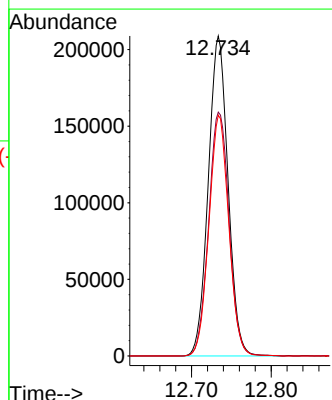
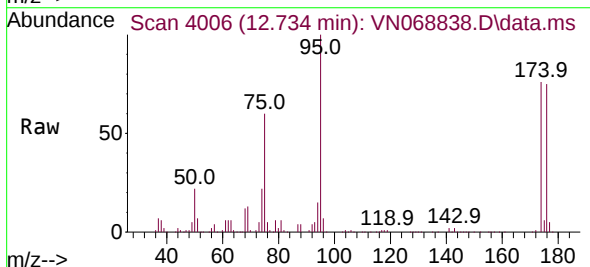
Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#01

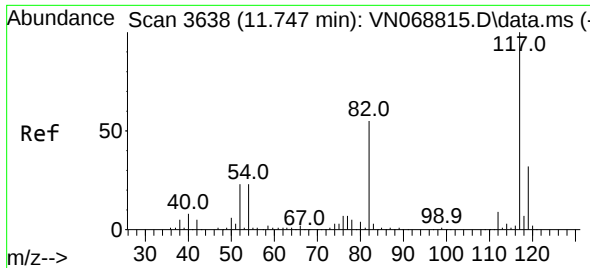
Tgt Ion: 43 Resp: 734465
Ion Ratio Lower Upper
43 100
58 18.1 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 43.800 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

Tgt Ion: 95 Resp: 359974
Ion Ratio Lower Upper
95 100
174 78.8 0.0 122.0
176 75.6 0.0 117.6

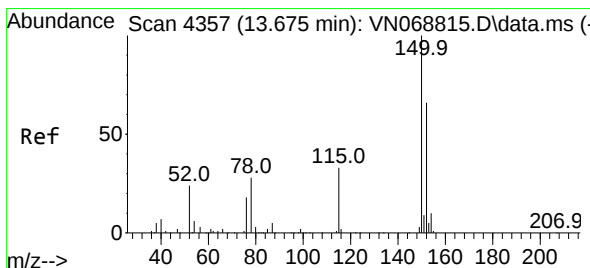
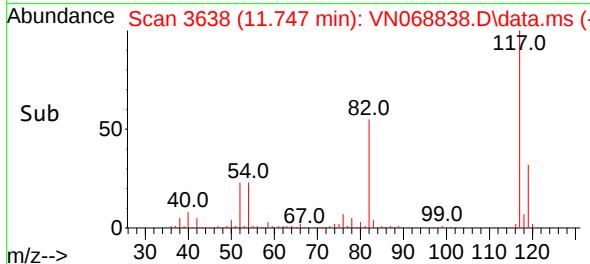
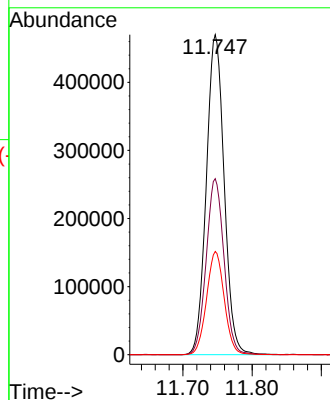
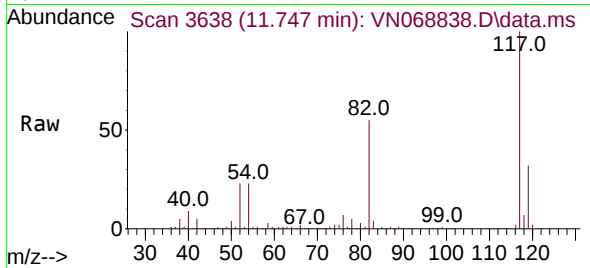




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

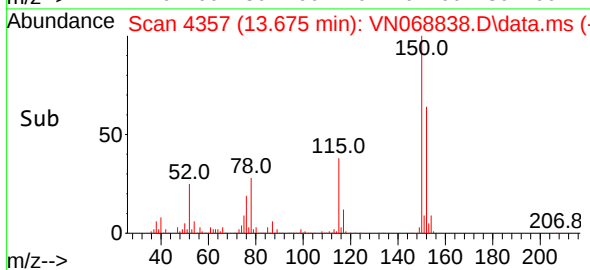
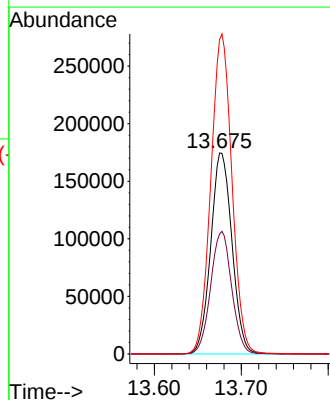
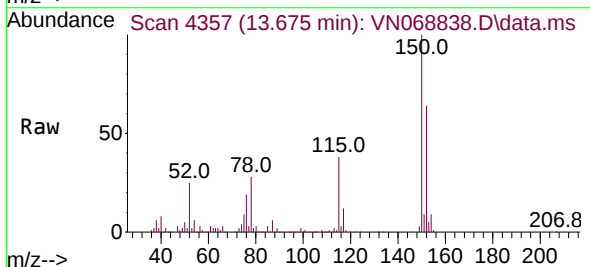
Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#01

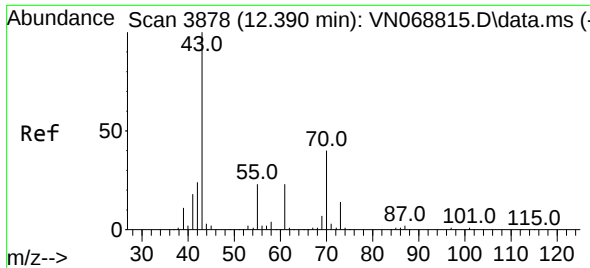
Tgt Ion:117 Resp: 840496
Ion Ratio Lower Upper
117 100
82 55.0 53.1 79.7
119 32.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.000 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

Tgt Ion:152 Resp: 296610
Ion Ratio Lower Upper
152 100
115 60.4 36.1 108.5
150 157.8 0.0 351.8

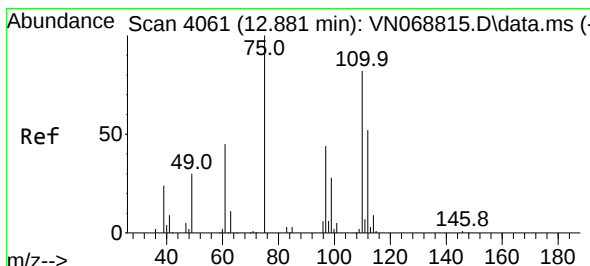
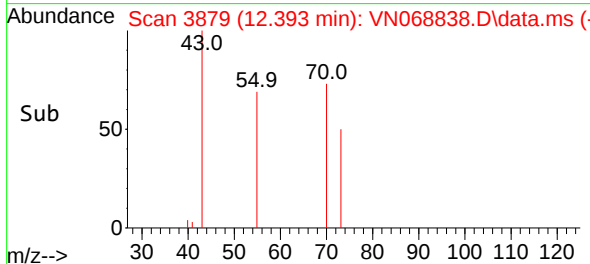
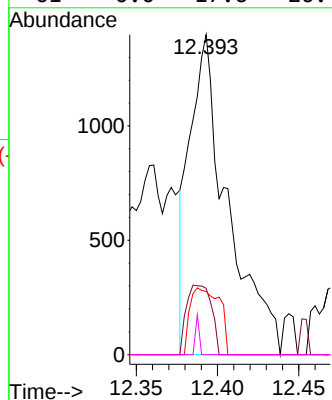
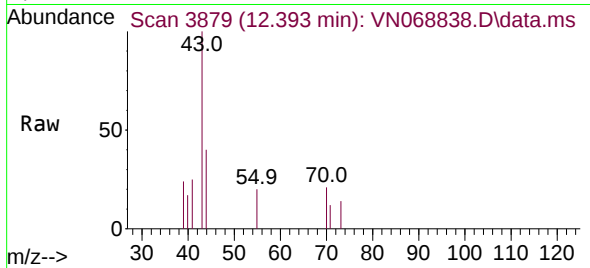




#74
N-amy1 acetate
Concen: 0.287 ug/l
RT: 12.393 min Scan# 3879
Delta R.T. 0.003 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

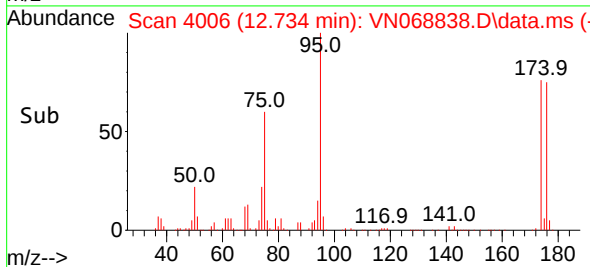
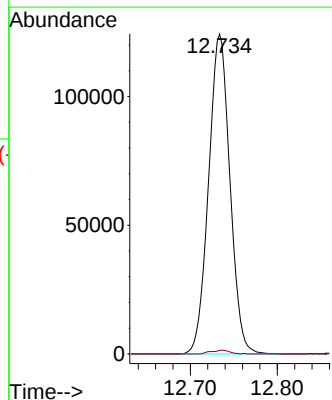
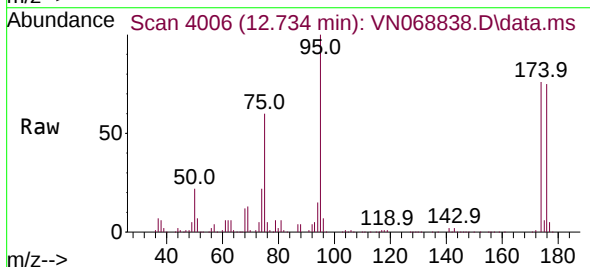
Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#01

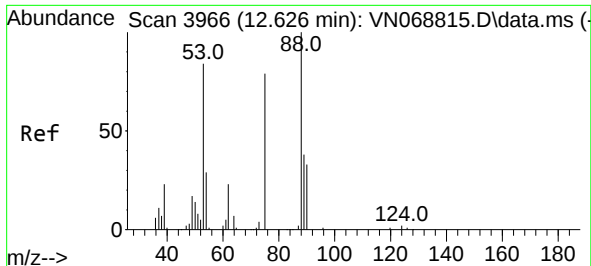
Tgt Ion:	43	Resp:	2276
Ion	Ratio	Lower	Upper
43	100		
70	14.1	29.4	44.2#
55	16.1	17.0	25.4#
61	0.0	17.6	26.4#



#76
1,2,3-Trichloropropane
Concen: 36.195 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

Tgt Ion:	75	Resp:	211629
Ion	Ratio	Lower	Upper
75	100		
77	1.0	0.0	0.0#

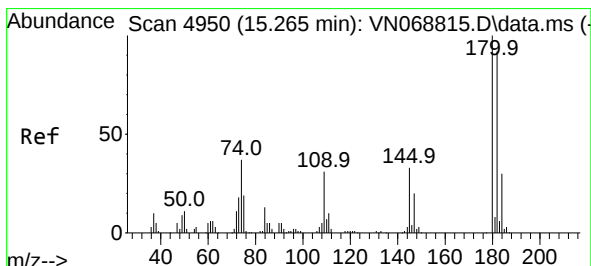
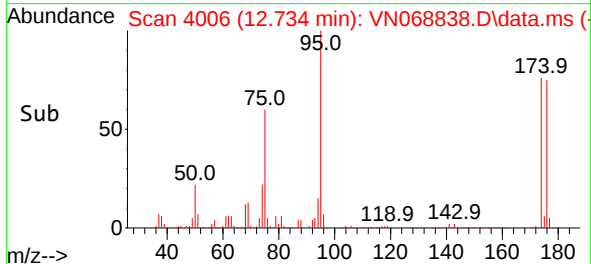
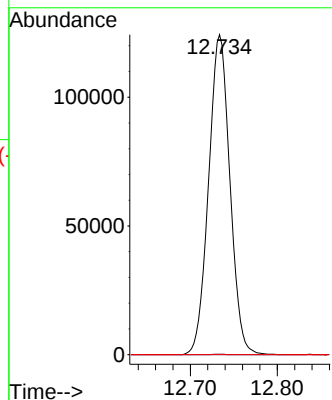
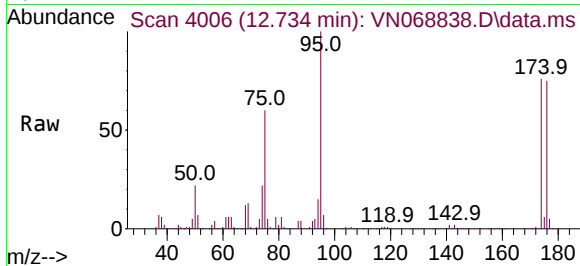




#81
 trans-1,4-Dichloro-2-butene
 Concen: 104.856 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. 0.108 min
 Lab File: VN068838.D
 Acq: 7 Oct 2021 13:51

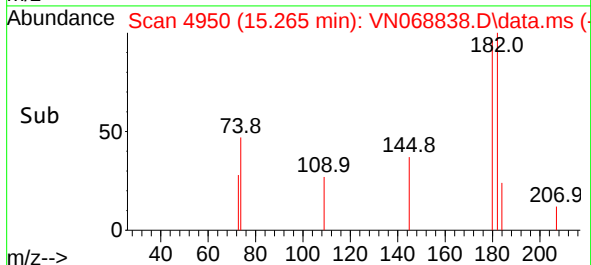
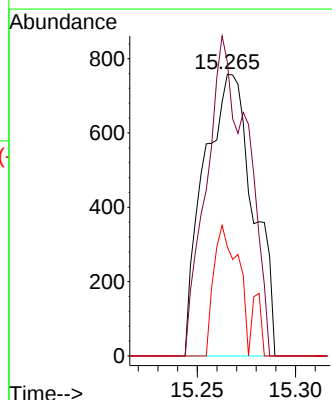
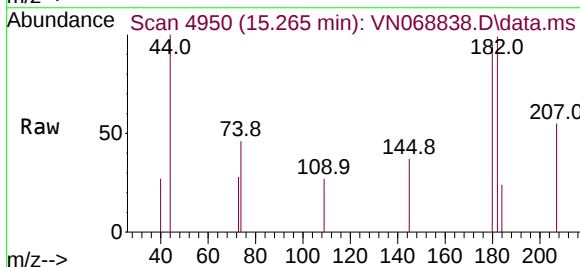
Instrument :
 MSVOA_N
 ClientSampleId :
 PB139682ZHE#01

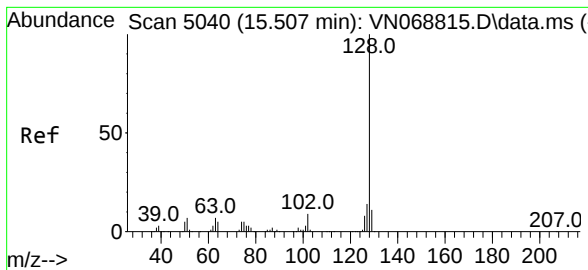
Tgt Ion: 75 Resp: 211629
 Ion Ratio Lower Upper
 75 100
 53 0.1 87.6 131.4#
 89 0.0 37.8 56.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.298 ug/l
 RT: 15.265 min Scan# 4950
 Delta R.T. 0.000 min
 Lab File: VN068838.D
 Acq: 7 Oct 2021 13:51

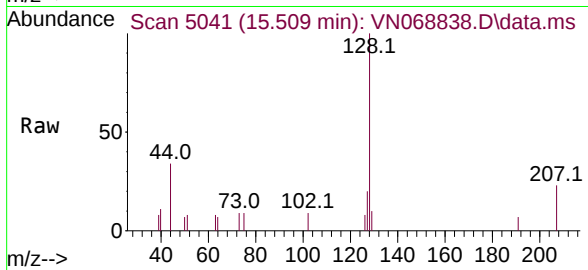
Tgt Ion:180 Resp: 1314
 Ion Ratio Lower Upper
 180 100
 182 95.2 47.5 142.5
 145 22.9 17.2 51.6





#95
Naphthalene
Concen: 0.415 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068838.D
Acq: 7 Oct 2021 13:51

Instrument :
MSVOA_N
ClientSampleId :
PB139682ZHE#01



Tgt Ion:	128	Resp:	4883
Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.6	15.8
129	9.9	8.6	12.8

