

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100621\
 Data File : VN068824.D
 Acq On : 6 Oct 2021 17:50
 Operator : JC/MD
 Sample : PB139645ZHE#01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB139645ZHE#01

Quant Time: Oct 07 06:02:27 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)

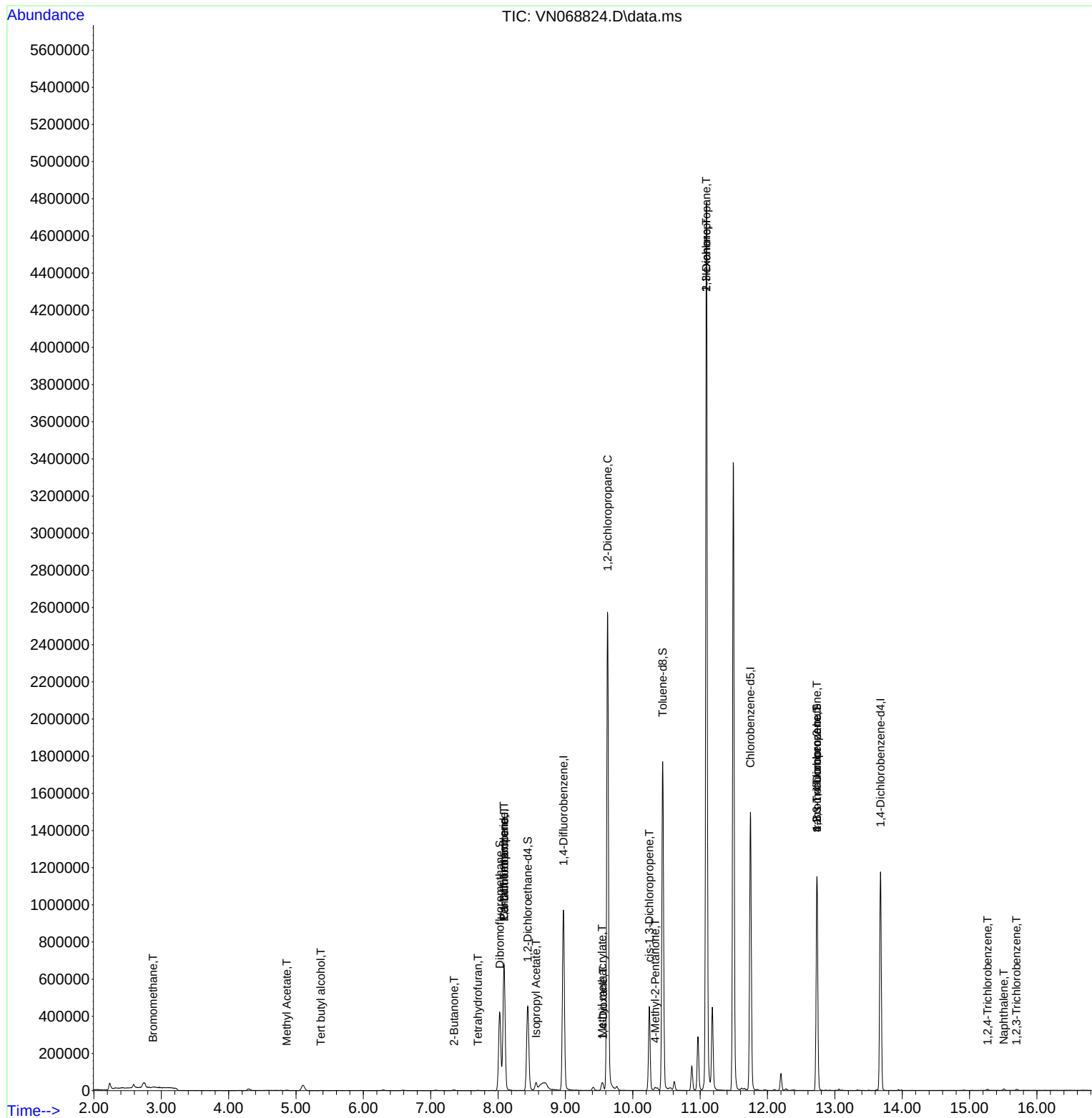
Internal Standards						
1) Pentafluorobenzene	8.091	168	496300	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	857414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	842492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	300169	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	379951	52.09	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.18%			
35) Dibromofluoromethane	8.027	113	296908	52.72	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 105.44%			
50) Toluene-d8	10.443	98	1223727	55.71	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 111.42%			
62) 4-Bromofluorobenzene	12.733	95	363632	44.39	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 88.78%			
Target Compounds						
						Qvalue
3) Chloromethane	2.298	50	854	Below Cal		97
4) Vinyl Chloride	2.579	62	58	Below Cal	#	44
5) Bromomethane	2.877	94	2892	0.37	ug/l #	61
6) Chloroethane	3.086	64	267	Below Cal	#	67
11) Tert butyl alcohol	5.366	59	253	0.29	ug/l #	71
16) Acetone	4.293	43	18412	Below Cal		98
17) Carbon Disulfide	4.529	76	329	Below Cal	#	74
18) Methyl Acetate	4.862	43	2915	0.40	ug/l #	77
20) Methylene Chloride	5.098	84	11837	Below Cal		88
25) 2-Butanone	7.345	43	7043	2.12	ug/l	98
29) Tetrahydrofuran	7.699	42	1088	0.53	ug/l #	65
31) Cyclohexane	8.088	56	13454	Below Cal	#	29
36) 1,1-Dichloropropene	8.091	75	42834	6.32	ug/l #	53
38) Carbon Tetrachloride	8.088	117	55245	6.77	ug/l #	16
43) Isopropyl Acetate	8.563	43	49041	4.17	ug/l #	87
45) 1,2-Dichloropropane	9.628	63	2752	0.50	ug/l #	44
48) Methyl methacrylate	9.545	41	10908	2.17	ug/l #	12
49) 1,4-Dioxane	9.558	88	139	1.27	ug/l #	1
51) 4-Methyl-2-Pentanone	10.336	43	6192	0.83	ug/l #	58
54) cis-1,3-Dichloropropene	10.245	75	76273	8.46	ug/l #	66
57) 1,3-Dichloropropane	11.092	76	50171	5.26	ug/l #	43
59) 2-Hexanone	11.092	43	729721	135.09	ug/l #	54
76) 1,2,3-Trichloropropane	12.733	75	211970	35.82	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	211970	103.78	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.268	180	2191	0.49	ug/l	86
95) Naphthalene	15.507	128	7774	0.65	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.697	180	2081	0.29	ug/l #	65

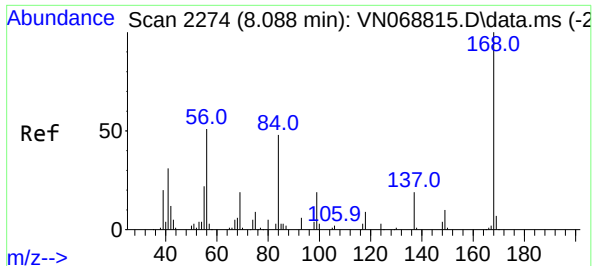
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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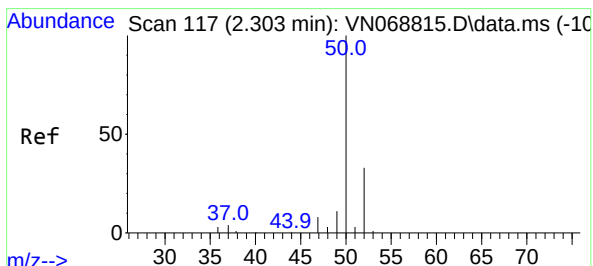
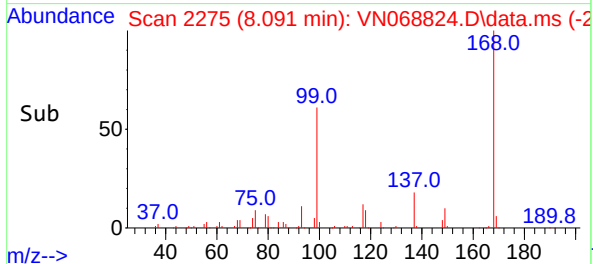
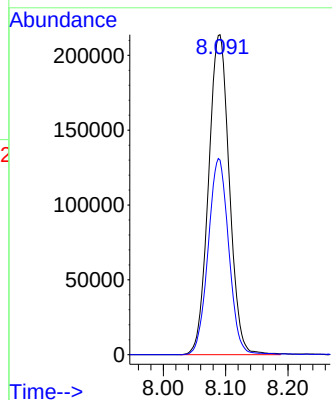
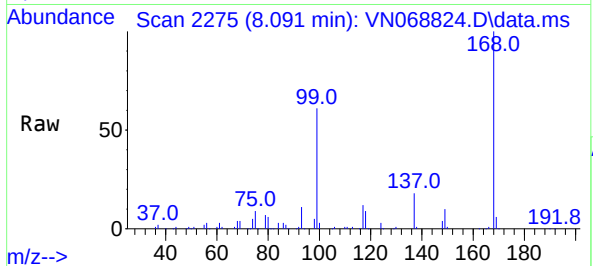




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.003 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

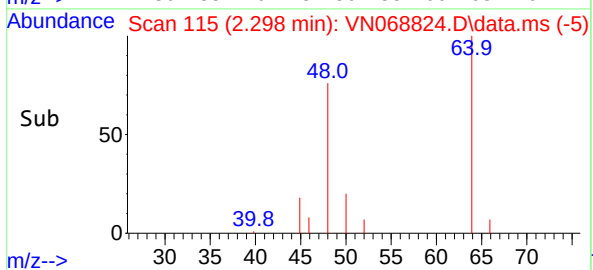
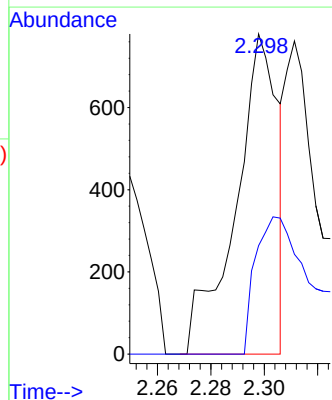
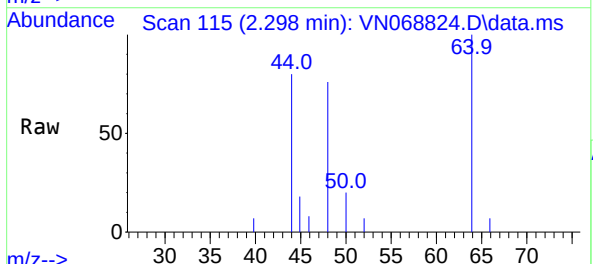
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#01

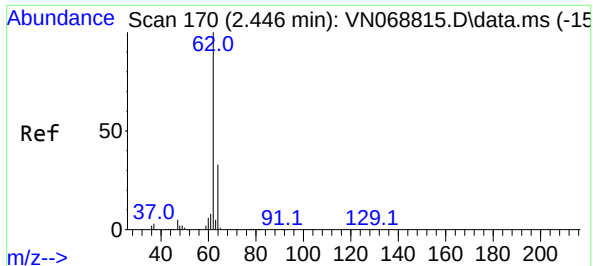
Tgt Ion:168 Resp: 496300
Ion Ratio Lower Upper
168 100
99 60.8 62.9 94.3#



#3
Chloromethane
Concen: Below Cal
RT: 2.298 min Scan# 115
Delta R.T. -0.005 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

Tgt Ion: 50 Resp: 854
Ion Ratio Lower Upper
50 100
52 33.9 25.6 38.4

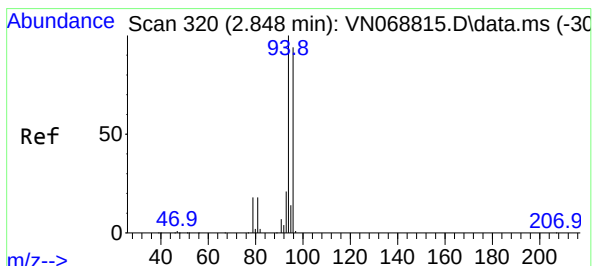
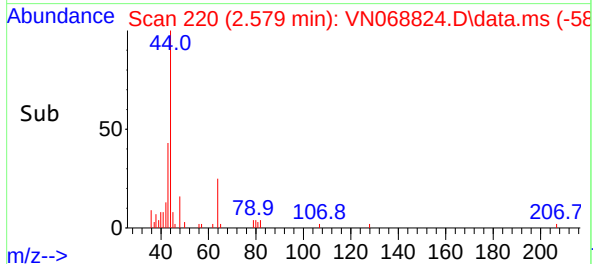
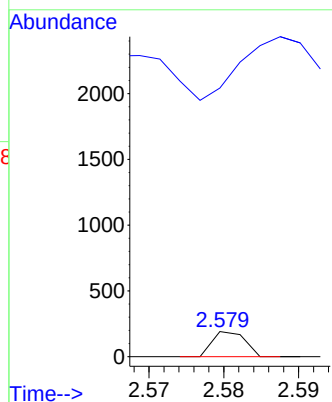
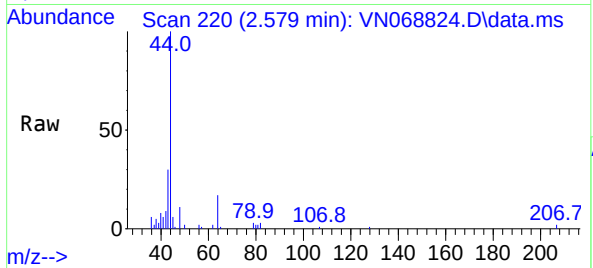




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.579 min Scan# 220
 Delta R.T. 0.133 min
 Lab File: VN068824.D
 Acq: 6 Oct 2021 17:50

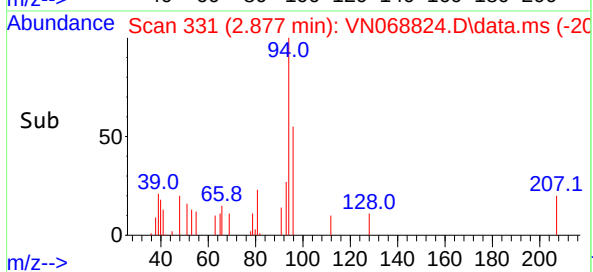
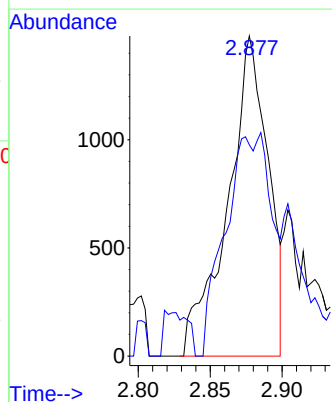
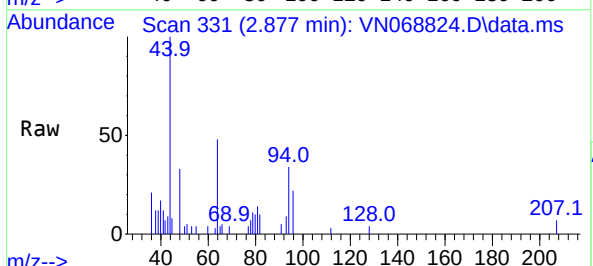
Instrument :
 MSVOA_N
 ClientSampleId :
 PB139645ZHE#01

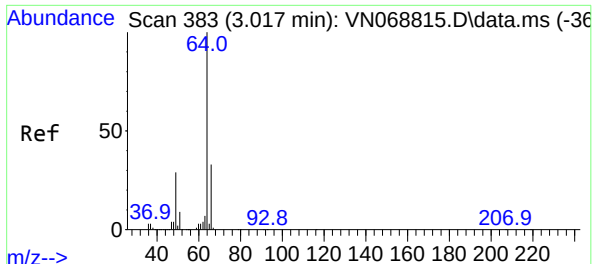
Tgt Ion: 62 Resp: 58
 Ion Ratio Lower Upper
 62 100
 64 0.0 24.4 36.6#



#5
 Bromomethane
 Concen: 0.37 ug/l
 RT: 2.877 min Scan# 331
 Delta R.T. 0.029 min
 Lab File: VN068824.D
 Acq: 6 Oct 2021 17:50

Tgt Ion: 94 Resp: 2892
 Ion Ratio Lower Upper
 94 100
 96 54.8 73.7 110.5#

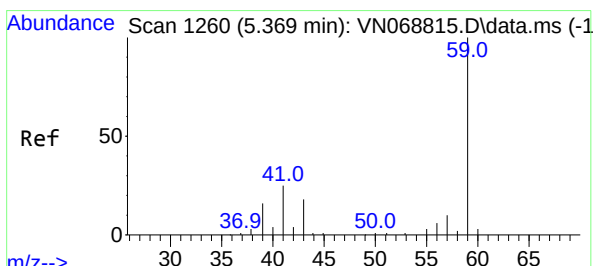
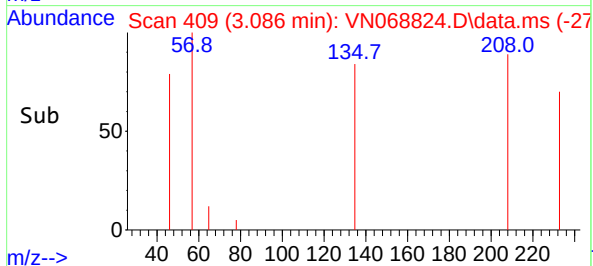
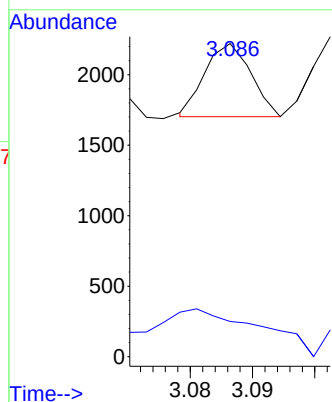
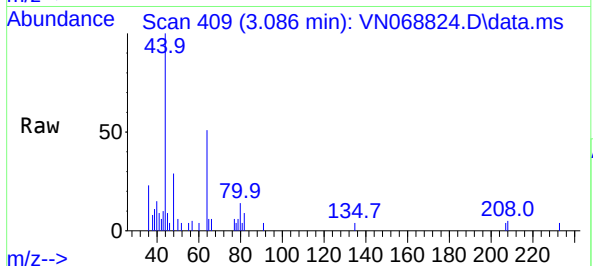




#6
Chloroethane
Concen: Below Cal
RT: 3.086 min Scan# 409
Delta R.T. 0.069 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

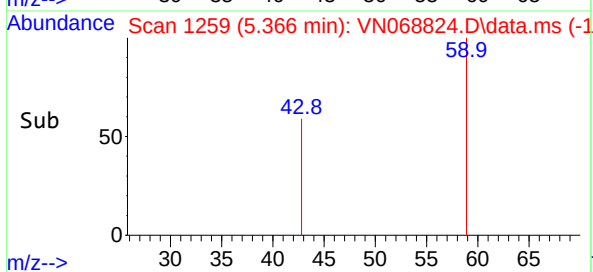
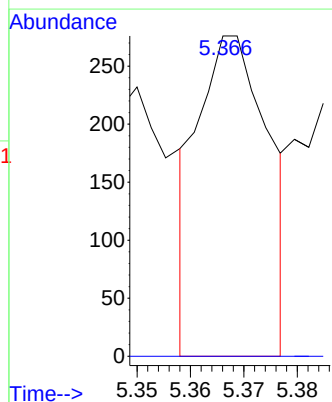
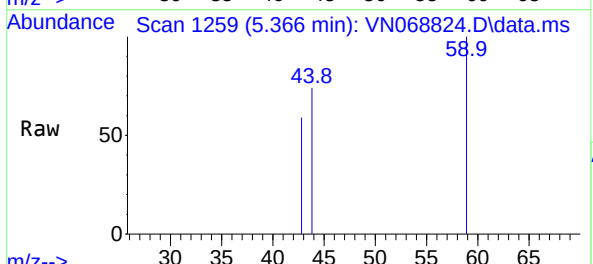
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#01

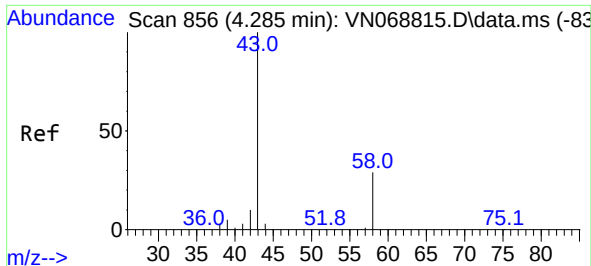
Tgt Ion: 64 Resp: 267
Ion Ratio Lower Upper
64 100
66 12.7 24.7 37.1#



#11
Tert butyl alcohol
Concen: 0.29 ug/l
RT: 5.366 min Scan# 1259
Delta R.T. -0.003 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

Tgt Ion: 59 Resp: 253
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

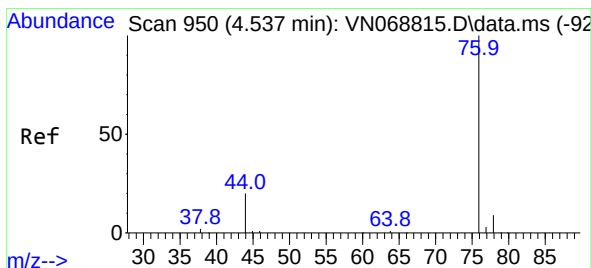
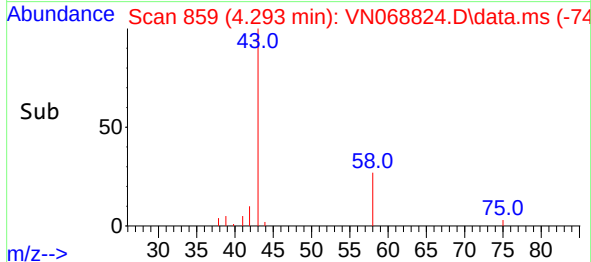
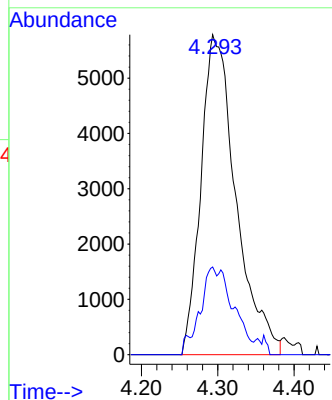
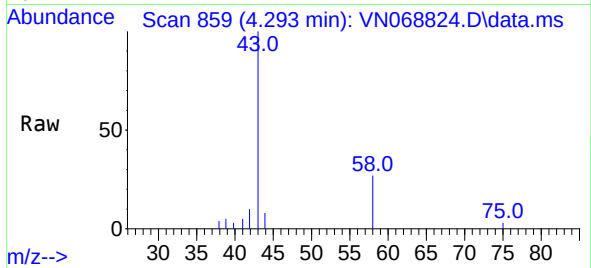




#16
Acetone
Concen: Below Cal
RT: 4.293 min Scan# 859
Delta R.T. 0.008 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

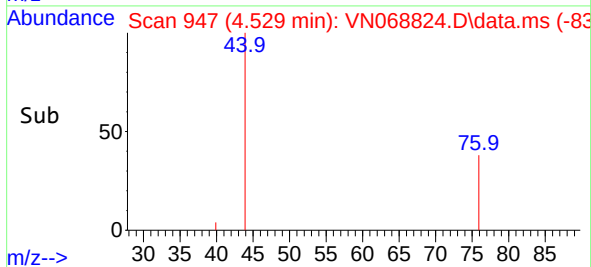
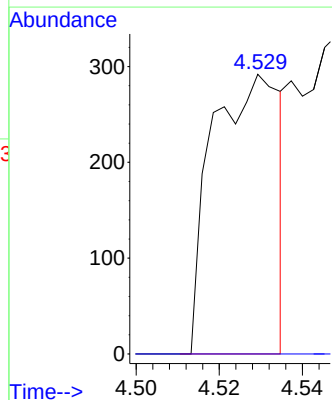
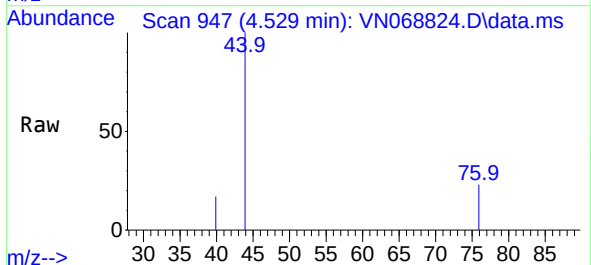
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#01

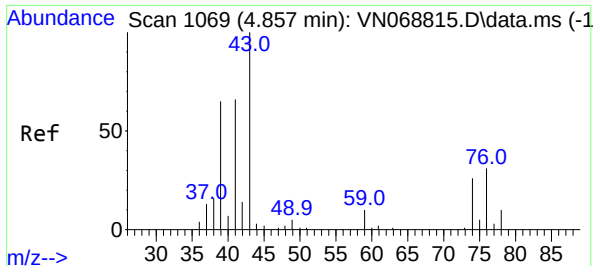
Tgt Ion: 43 Resp: 18412
Ion Ratio Lower Upper
43 100
58 27.4 21.2 31.8



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.529 min Scan# 947
Delta R.T. -0.008 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

Tgt Ion: 76 Resp: 329
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#

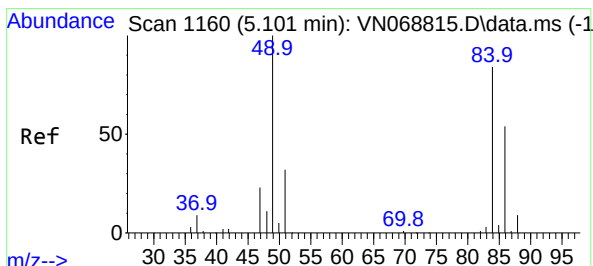
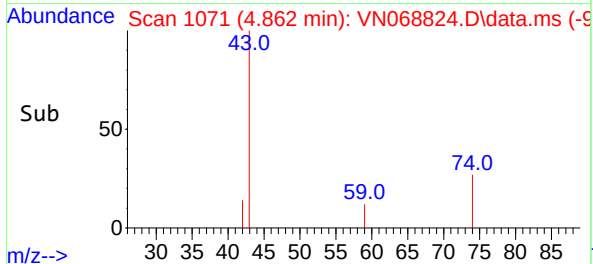
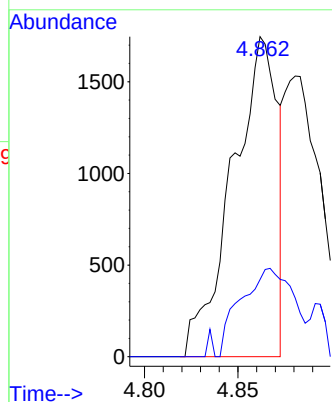
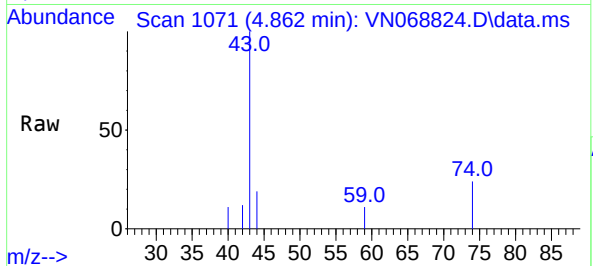




#18
Methyl Acetate
Concen: 0.40 ug/l
RT: 4.862 min Scan# 1071
Delta R.T. 0.005 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

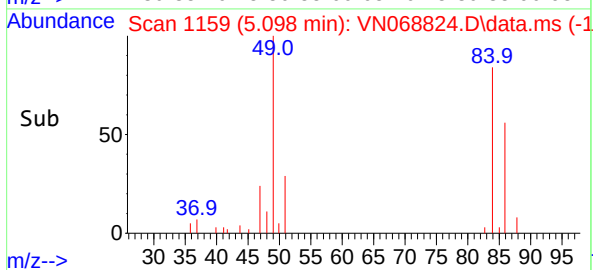
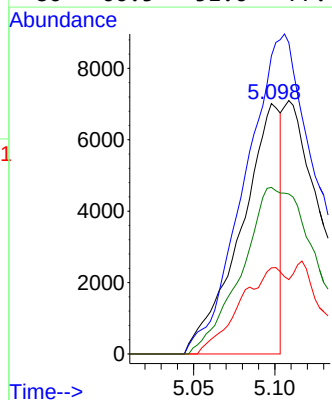
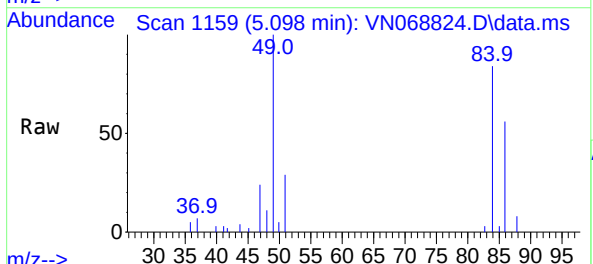
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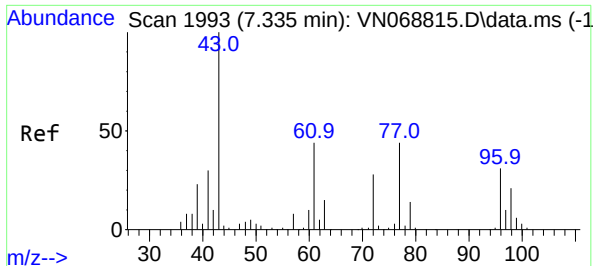
Tgt Ion: 43 Resp: 2915
Ion Ratio Lower Upper
43 100
74 32.4 17.4 26.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.098 min Scan# 1159
Delta R.T. -0.003 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

Tgt Ion: 84 Resp: 11837
Ion Ratio Lower Upper
84 100
49 119.0 110.9 166.3
51 34.4 32.6 49.0
86 66.5 51.6 77.4

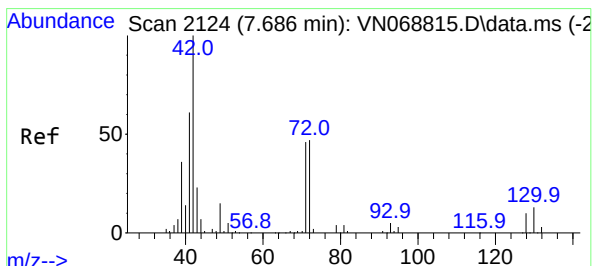
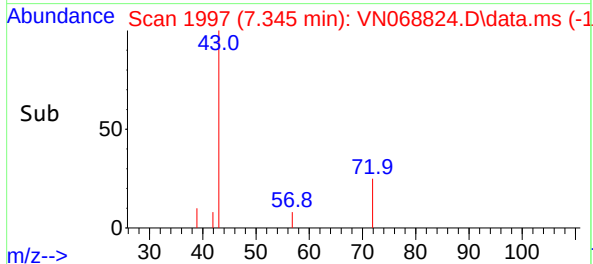
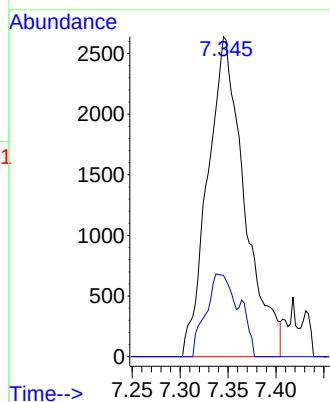
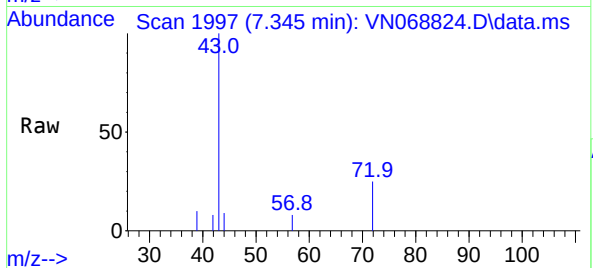




#25
2-Butanone
Concen: 2.12 ug/l
RT: 7.345 min Scan# 1997
Delta R.T. 0.010 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

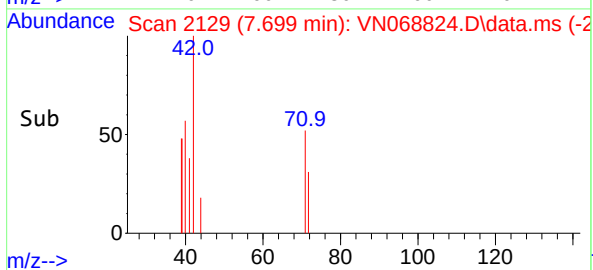
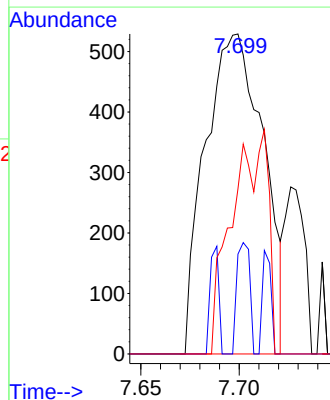
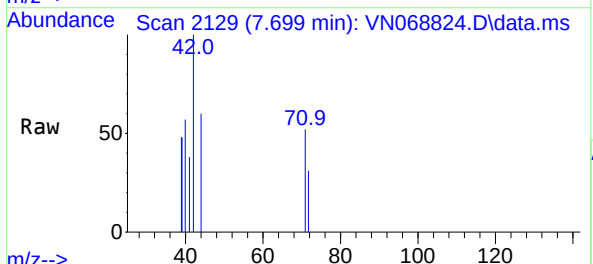
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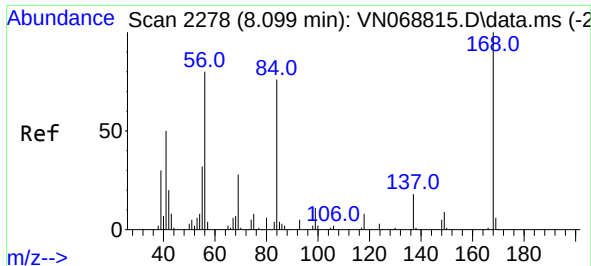
Tgt Ion: 43 Resp: 7043
Ion Ratio Lower Upper
43 100
72 25.4 19.7 29.5



#29
Tetrahydrofuran
Concen: 0.53 ug/l
RT: 7.699 min Scan# 2129
Delta R.T. 0.013 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

Tgt Ion: 42 Resp: 1088
Ion Ratio Lower Upper
42 100
72 7.7 32.8 49.2#
71 28.9 31.2 46.8#

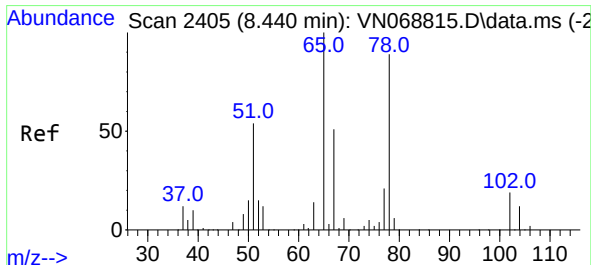
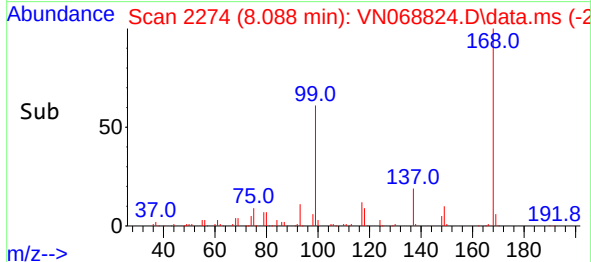
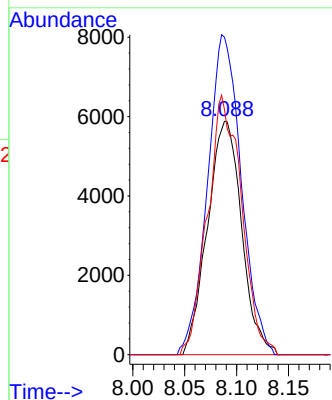
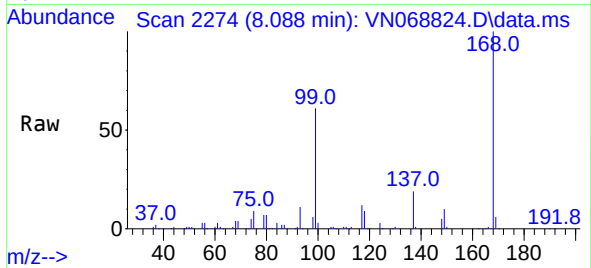




#31
Cyclohexane
Concen: Below Cal
RT: 8.088 min Scan# 2274
Delta R.T. -0.011 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

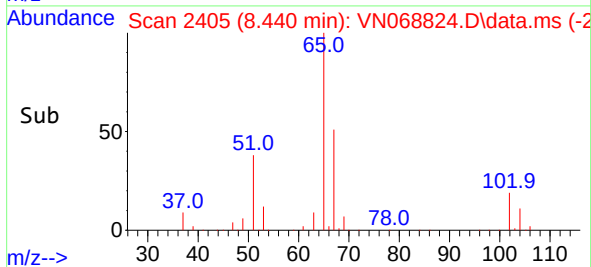
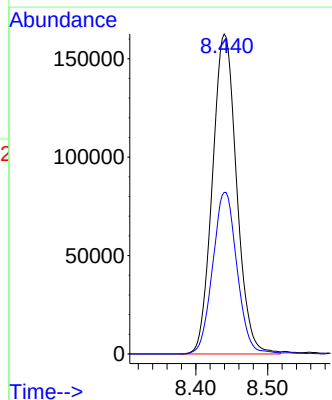
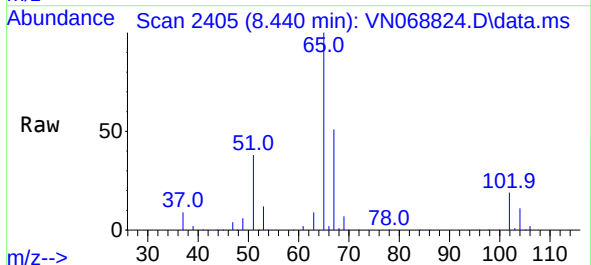
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#01

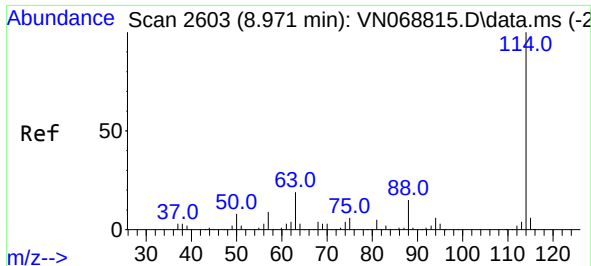
Tgt Ion: 56 Resp: 13454
Ion Ratio Lower Upper
56 100
69 136.0 27.3 40.9#
84 105.0 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 52.09 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

Tgt Ion: 65 Resp: 379951
Ion Ratio Lower Upper
65 100
67 50.8 0.0 98.6

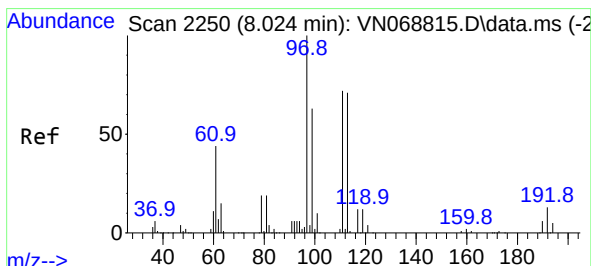
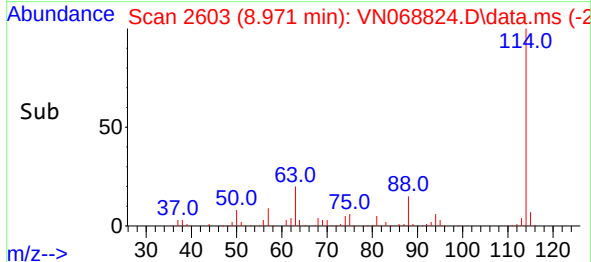
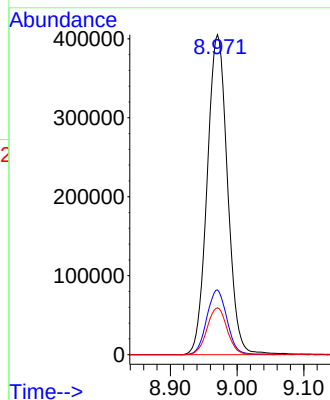
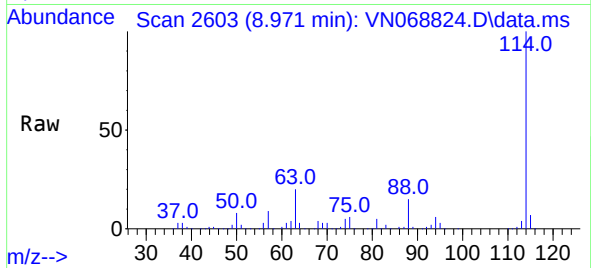




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

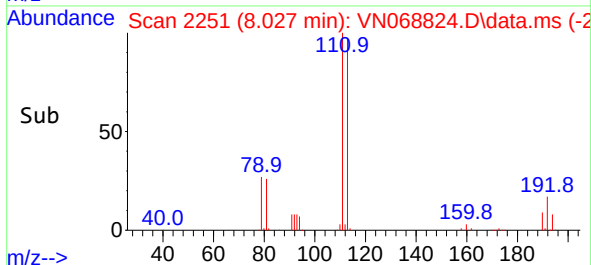
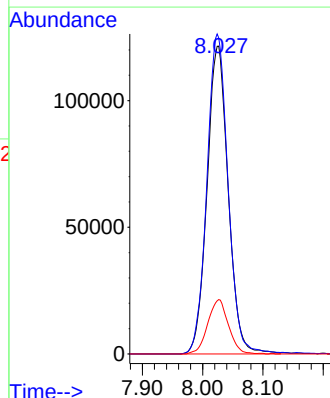
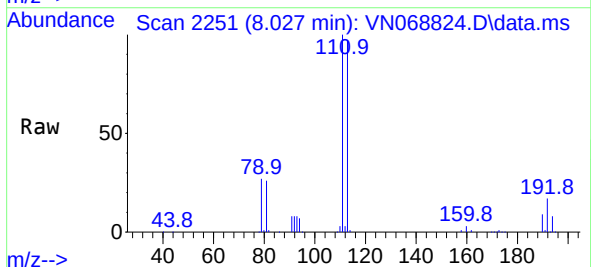
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#01

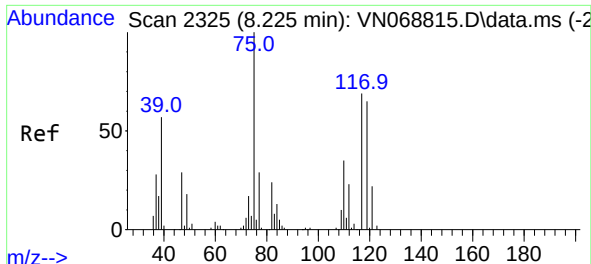
Tgt Ion:114 Resp: 857414
Ion Ratio Lower Upper
114 100
63 20.2 0.0 49.0
88 14.6 0.0 36.6



#35
Dibromofluoromethane
Concen: 52.72 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.003 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

Tgt Ion:113 Resp: 296908
Ion Ratio Lower Upper
113 100
111 103.9 83.8 125.8
192 17.2 13.4 20.0

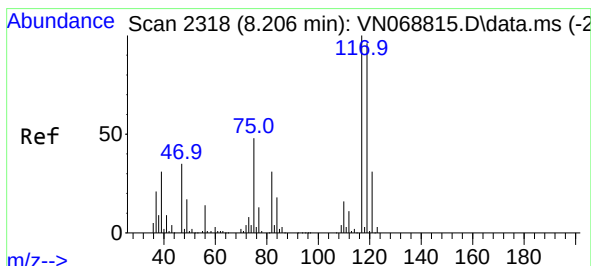
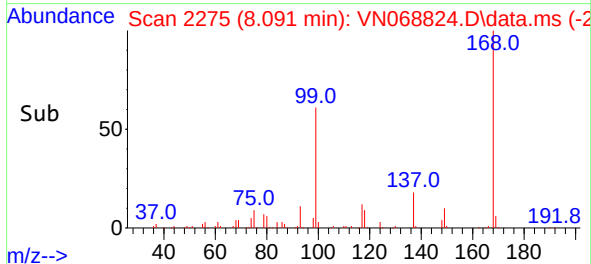
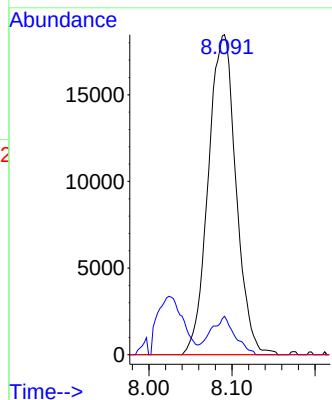
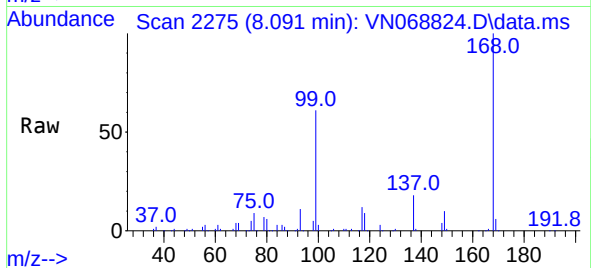




#36
1,1-Dichloropropene
Concen: 6.32 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.134 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

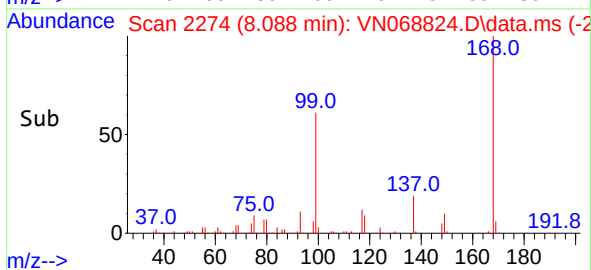
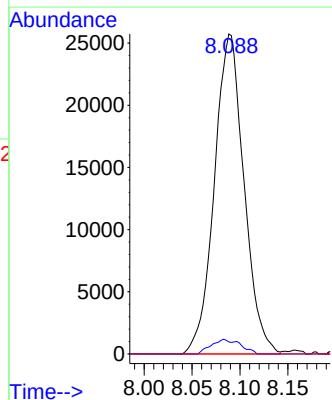
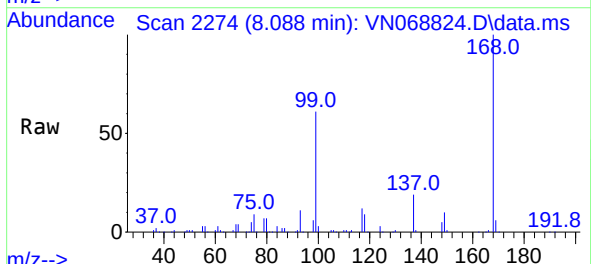
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#01

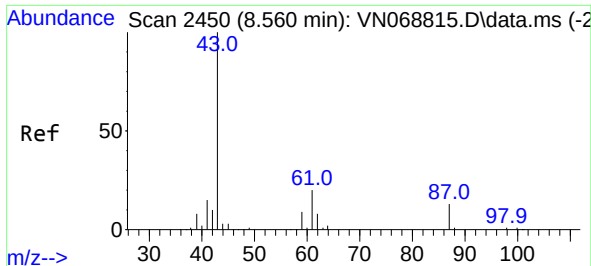
Tgt Ion: 75 Resp: 42834
Ion Ratio Lower Upper
75 100
110 10.6 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.77 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

Tgt Ion: 117 Resp: 55245
Ion Ratio Lower Upper
117 100
119 3.8 75.4 113.2#
121 0.0 23.5 35.3#

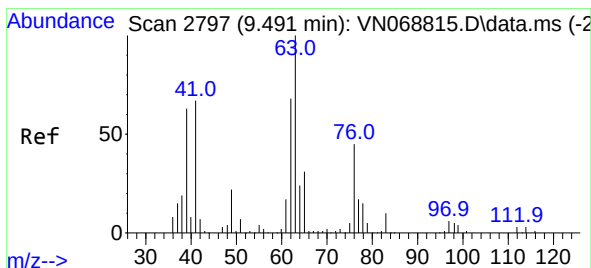
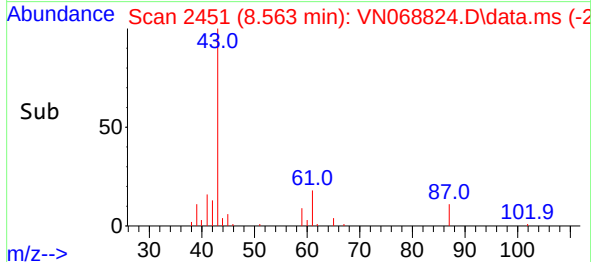
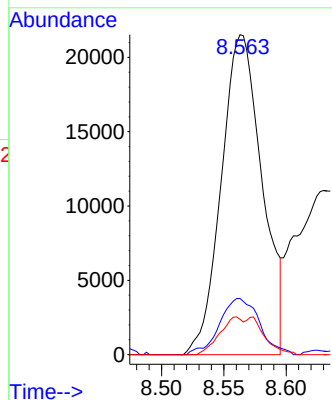
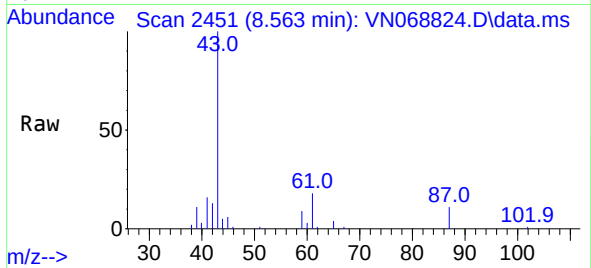




#43
Isopropyl Acetate
Concen: 4.17 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

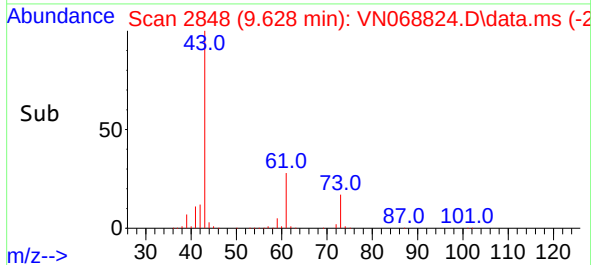
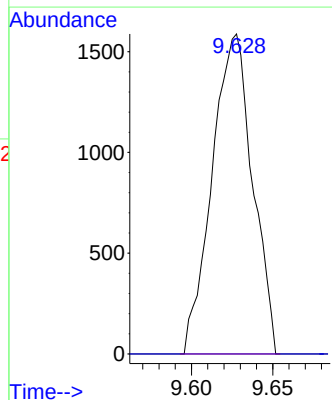
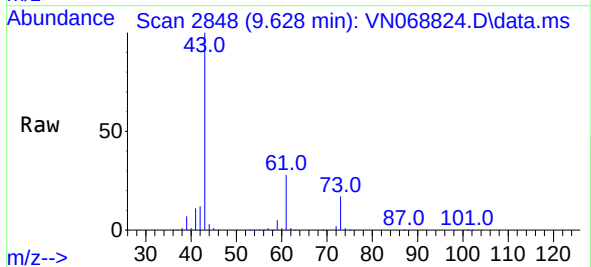
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#01

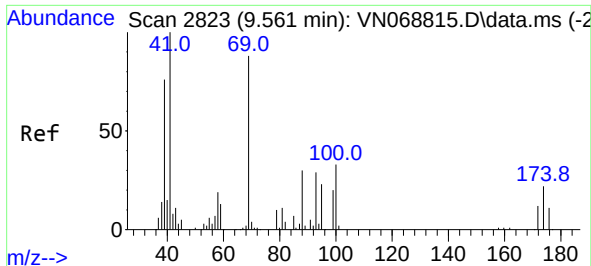
Tgt Ion: 43 Resp: 49041
Ion Ratio Lower Upper
43 100
61 17.2 19.0 28.4#
87 6.8 9.5 14.3#



#45
1,2-Dichloropropane
Concen: 0.50 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

Tgt Ion: 63 Resp: 2752
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

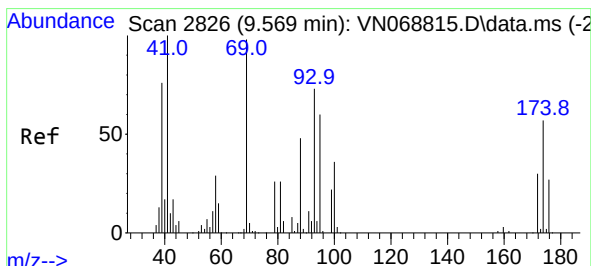
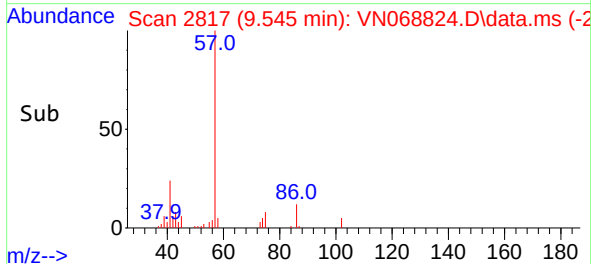
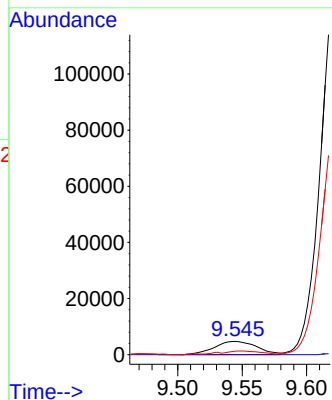
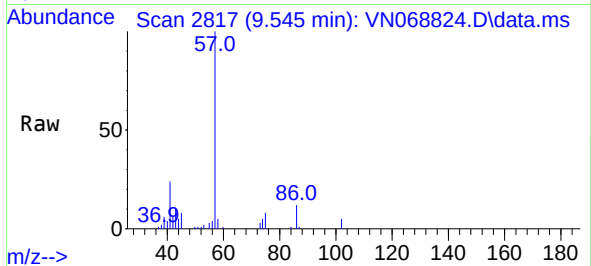




#48
Methyl methacrylate
Concen: 2.17 ug/l
RT: 9.545 min Scan# 2817
Delta R.T. -0.016 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

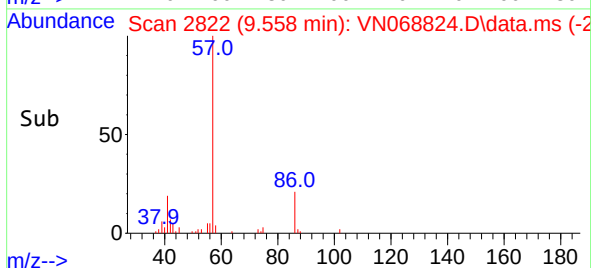
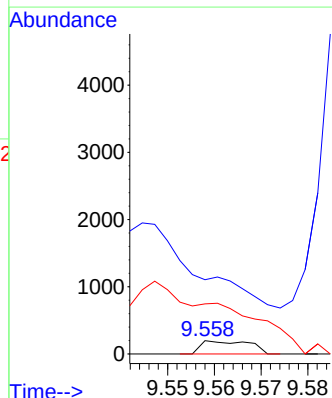
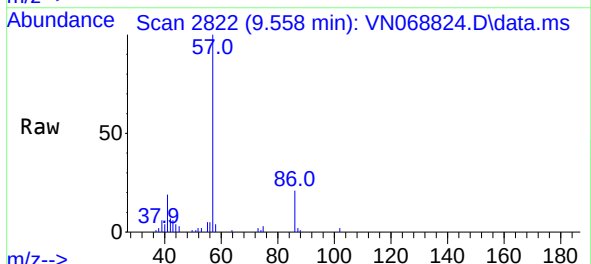
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#01

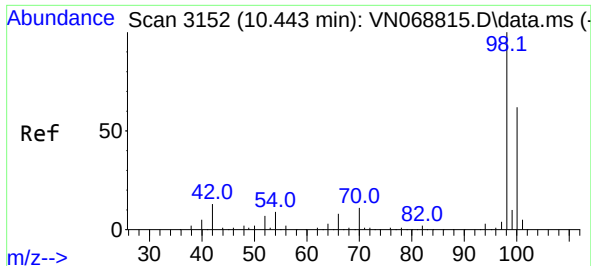
Tgt Ion: 41 Resp: 10908
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 1.27 ug/l
RT: 9.558 min Scan# 2822
Delta R.T. -0.011 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

Tgt Ion: 88 Resp: 139
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 1538.1 60.4 90.6#

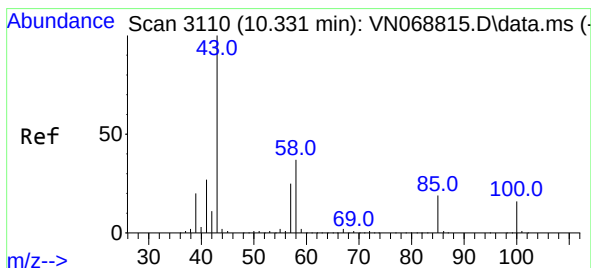
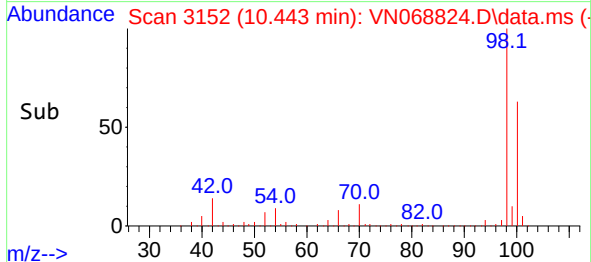
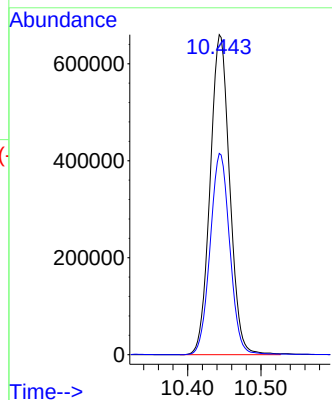
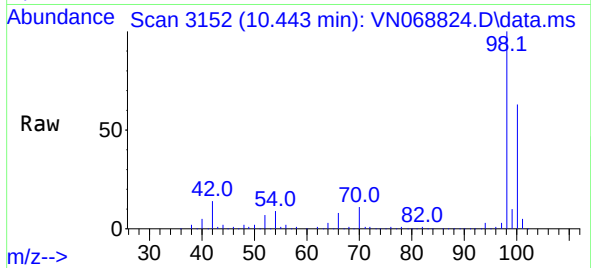




#50
Toluene-d8
Concen: 55.71 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

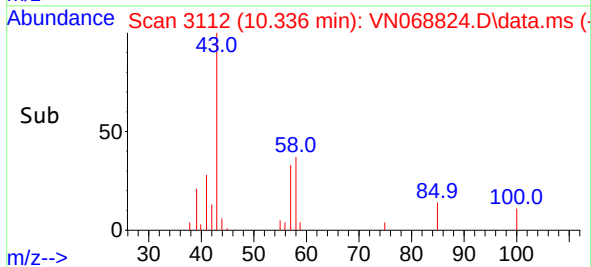
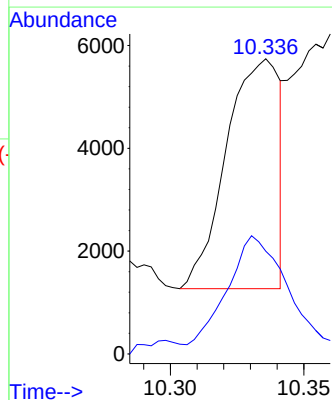
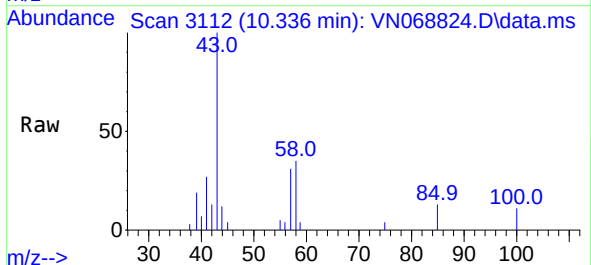
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#01

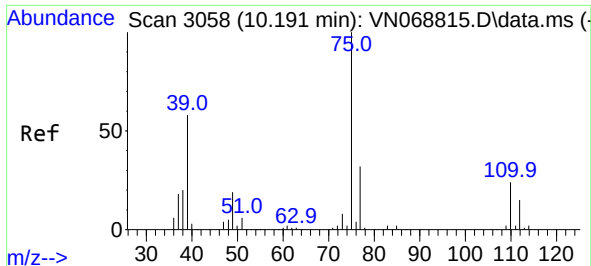
Tgt Ion: 98 Resp: 1223727
Ion Ratio Lower Upper
98 100
100 63.2 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.83 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

Tgt Ion: 43 Resp: 6192
Ion Ratio Lower Upper
43 100
58 60.7 28.6 43.0#

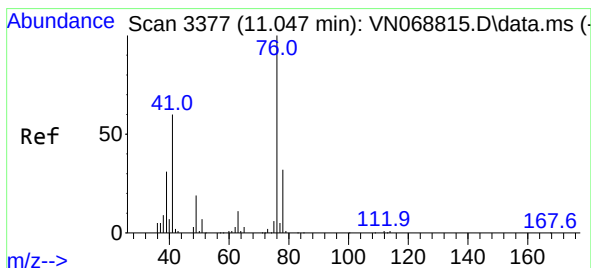
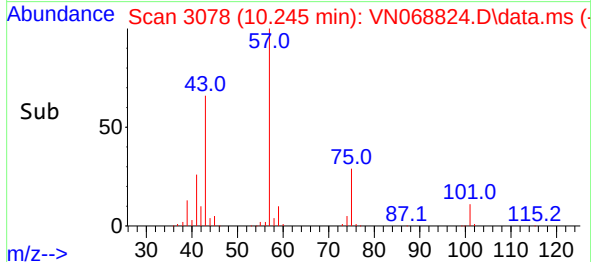
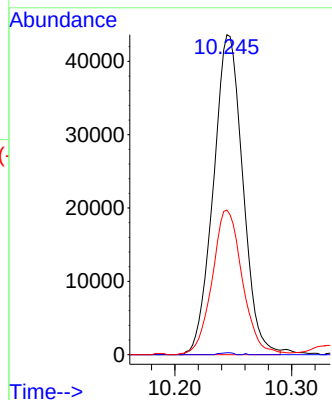
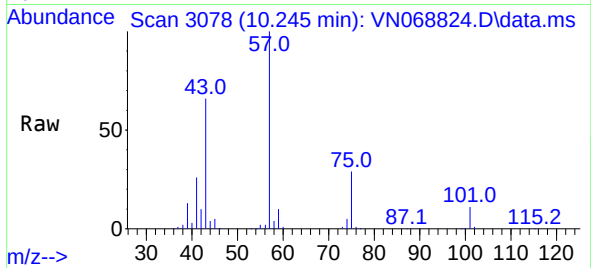




#54
cis-1,3-Dichloropropene
Concen: 8.46 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

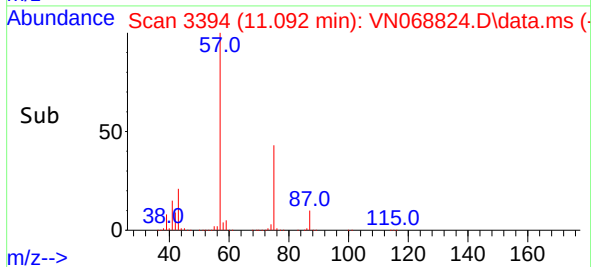
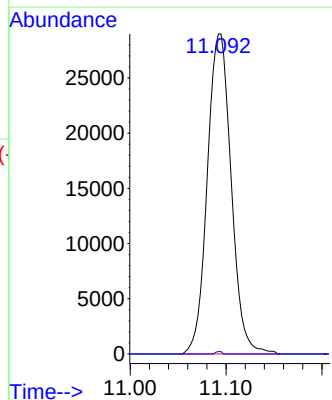
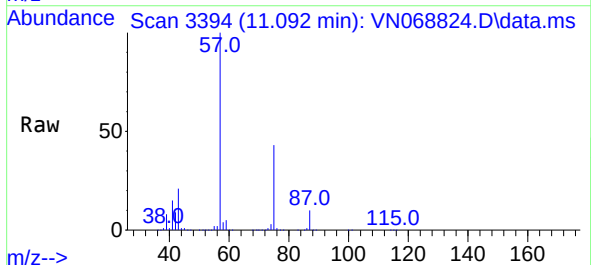
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#01

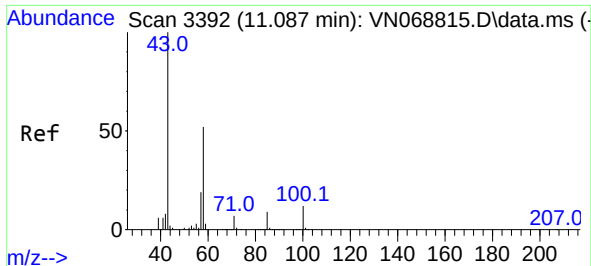
Tgt Ion: 75 Resp: 76273
Ion Ratio Lower Upper
75 100
77 0.6 24.6 37.0#
39 44.9 50.7 76.1#



#57
1,3-Dichloropropane
Concen: 5.26 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

Tgt Ion: 76 Resp: 50171
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#

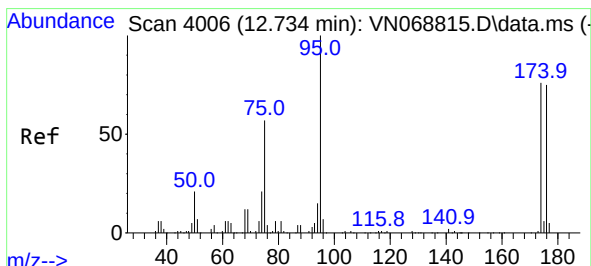
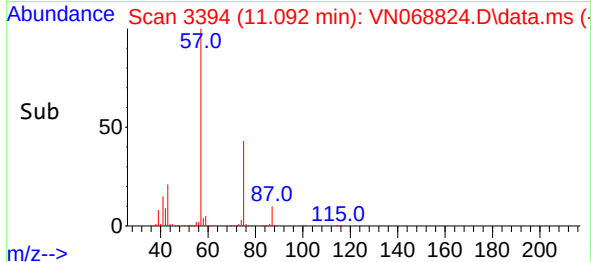
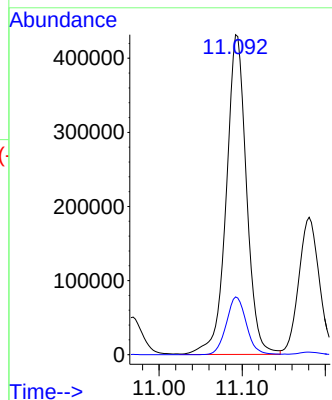
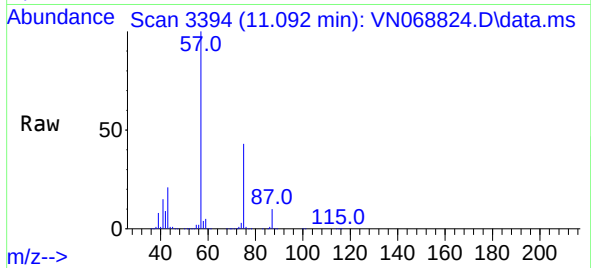




#59
2-Hexanone
Concen: 135.09 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

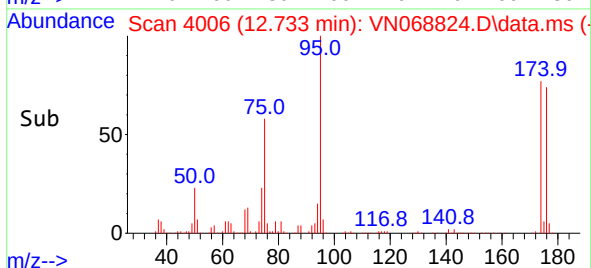
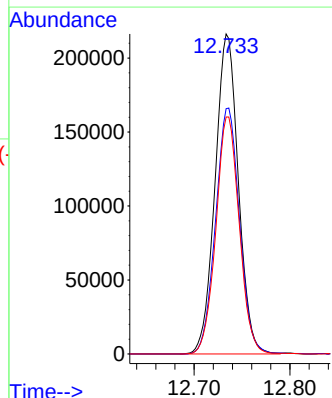
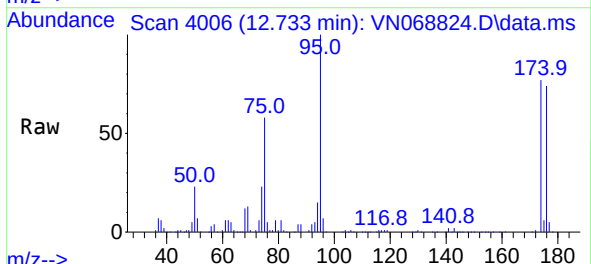
Instrument :
MSVOA_N
ClientSampleId :
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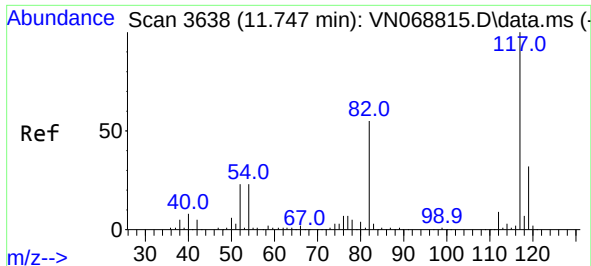
Tgt Ion: 43 Resp: 729721
Ion Ratio Lower Upper
43 100
58 18.0 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 44.39 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

Tgt Ion: 95 Resp: 363632
Ion Ratio Lower Upper
95 100
174 79.2 0.0 122.0
176 74.5 0.0 117.6

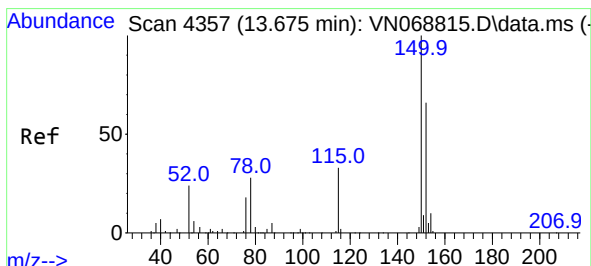
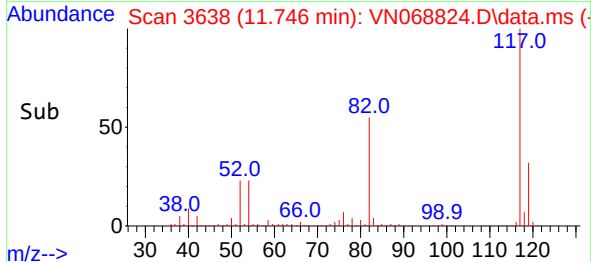
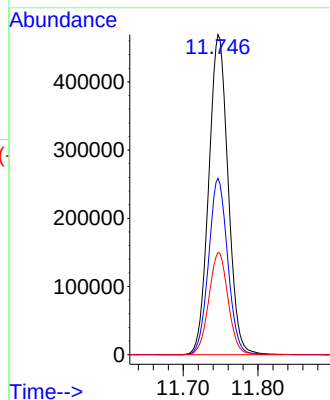
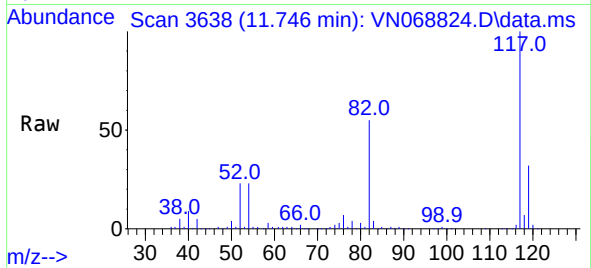




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

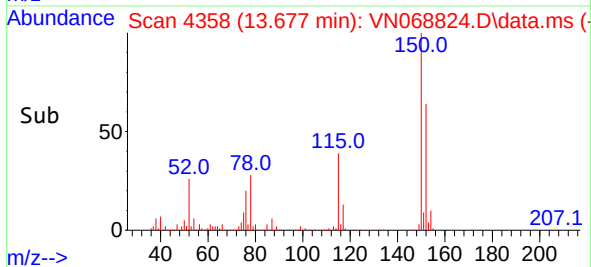
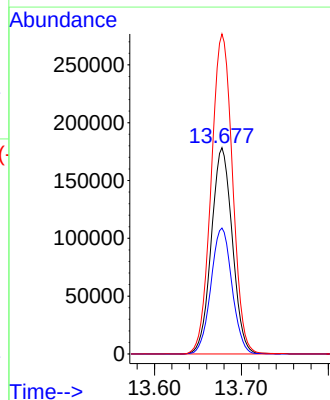
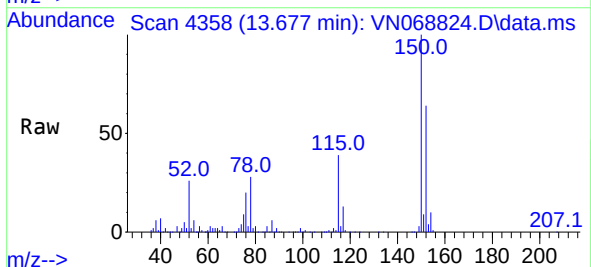
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#01

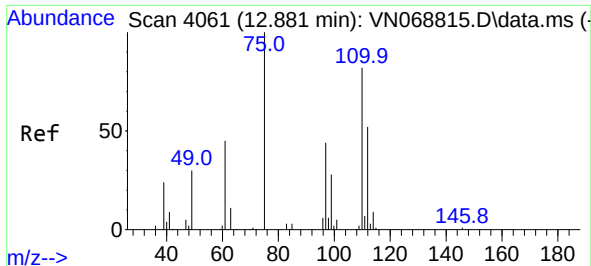
Tgt Ion:117 Resp: 842492
Ion Ratio Lower Upper
117 100
82 55.1 53.1 79.7
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

Tgt Ion:152 Resp: 300169
Ion Ratio Lower Upper
152 100
115 61.1 36.1 108.5
150 157.1 0.0 351.8

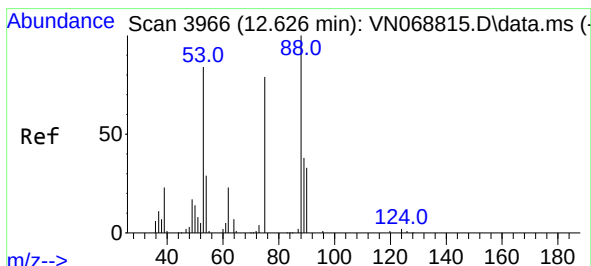
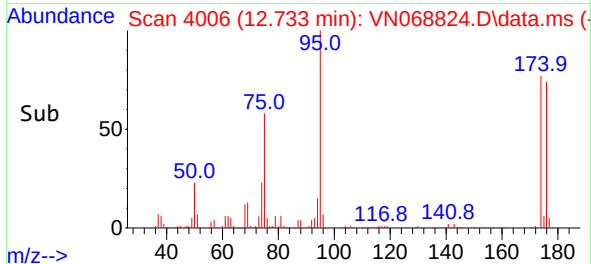
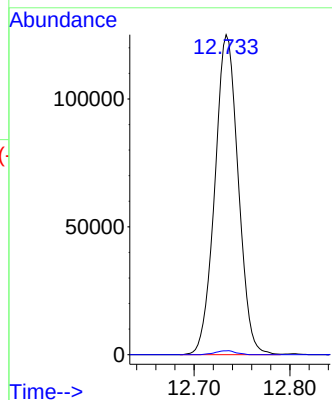
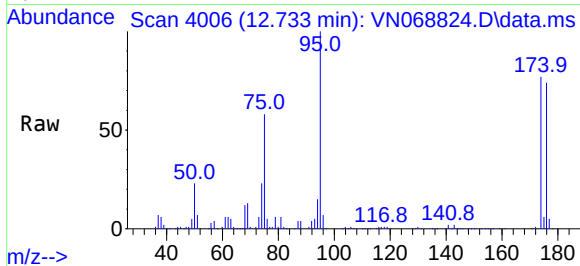




#76
1,2,3-Trichloropropane
Concen: 35.82 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

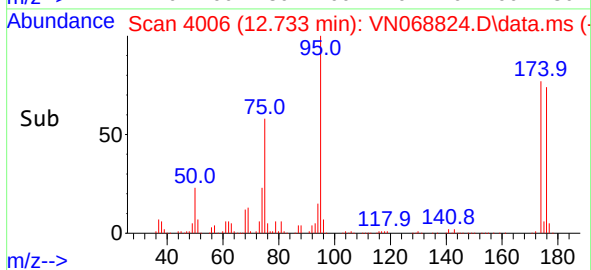
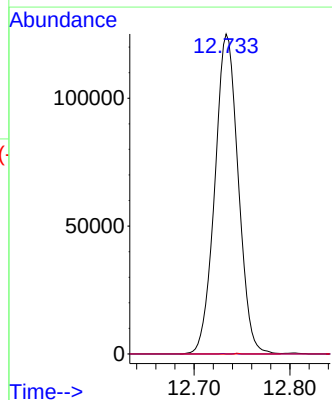
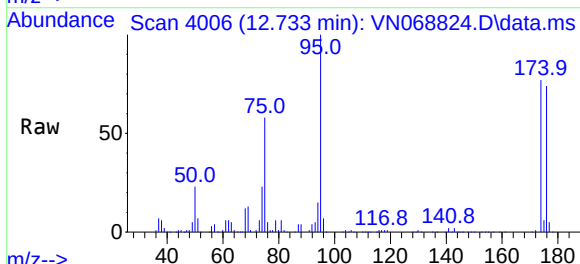
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#01

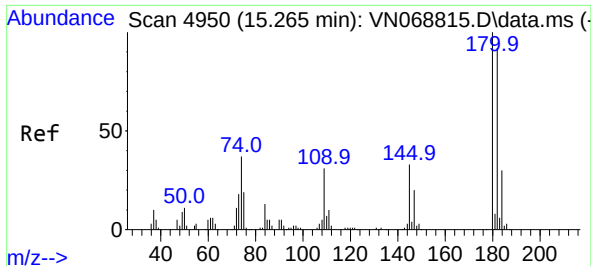
Tgt Ion: 75 Resp: 211970
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 103.78 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

Tgt Ion: 75 Resp: 211970
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

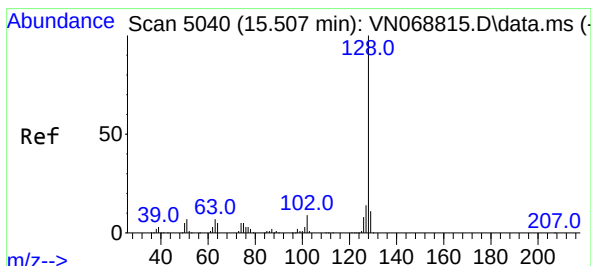
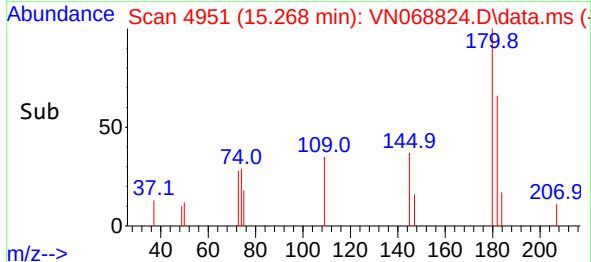
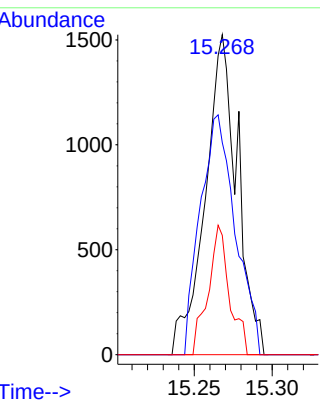
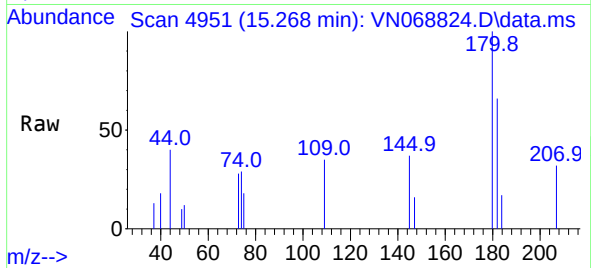




#93
1,2,4-Trichlorobenzene
Concen: 0.49 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

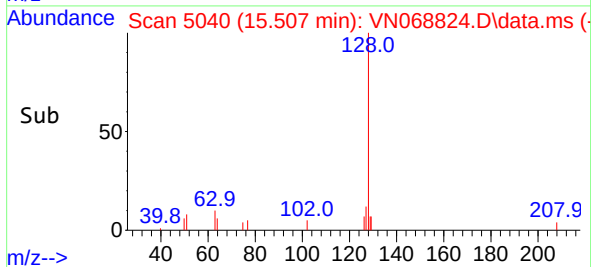
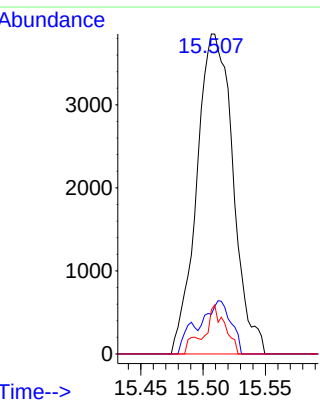
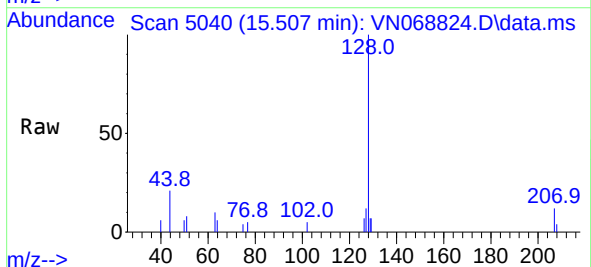
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#01

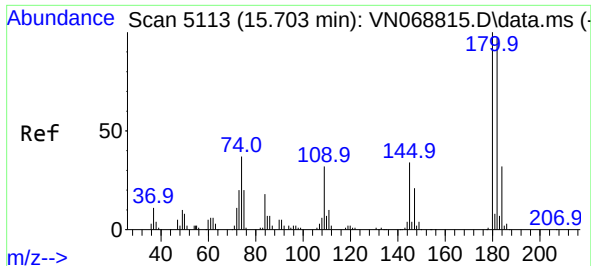
Tgt Ion:180 Resp: 2191
Ion Ratio Lower Upper
180 100
182 81.8 47.5 142.5
145 26.7 17.2 51.6



#95
Naphthalene
Concen: 0.65 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068824.D
Acq: 6 Oct 2021 17:50

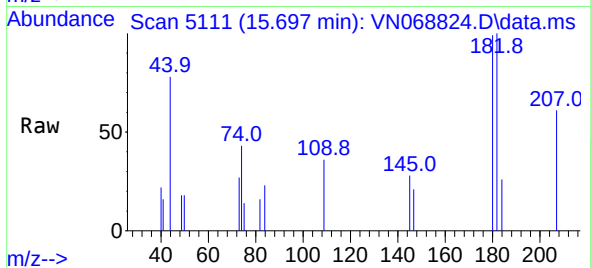
Tgt Ion:128 Resp: 7774
Ion Ratio Lower Upper
128 100
127 11.5 10.6 15.8
129 7.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.29 ug/l
 RT: 15.697 min Scan# 5111
 Delta R.T. -0.006 min
 Lab File: VN068824.D
 Acq: 6 Oct 2021 17:50

Instrument :
 MSVOA_N
 ClientSampleId :
 PB139645ZHE#01



Tgt Ion:180 Resp: 2081
 Ion Ratio Lower Upper
 180 100
 182 62.3 47.8 143.3
 145 13.3 18.2 54.6#

