

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100621\
 Data File : VN068825.D
 Acq On : 6 Oct 2021 18:15
 Operator : JC/MD
 Sample : PB139645ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB139645ZHE#02

Quant Time: Oct 07 06:02:38 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)

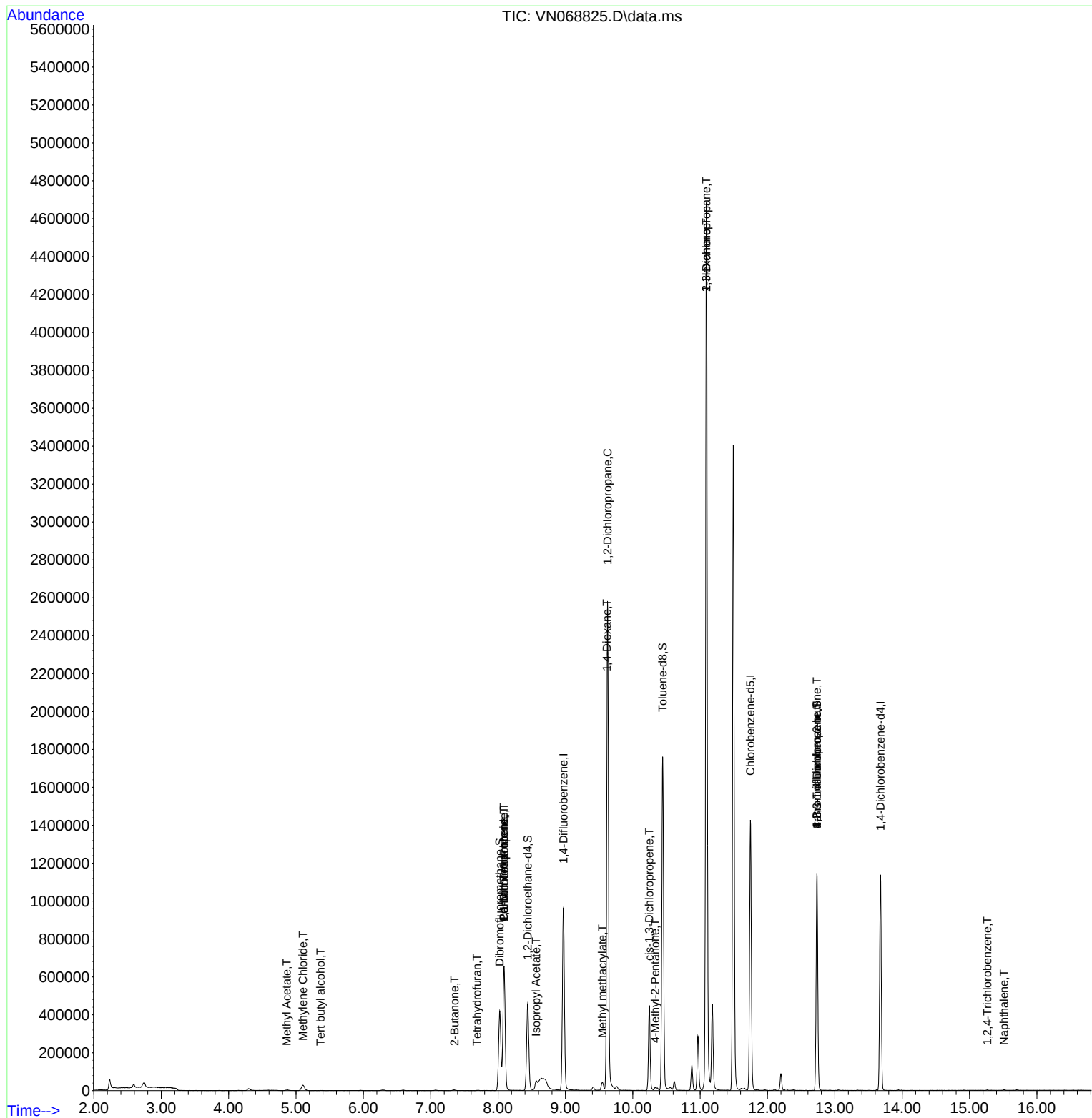
Internal Standards						
1) Pentafluorobenzene	8.088	168	474795	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	838835	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	822511	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	286490	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	377889	54.16	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.32%			
35) Dibromofluoromethane	8.024	113	292790	53.14	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.28%			
50) Toluene-d8	10.443	98	1217964	56.68	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 113.36%			
62) 4-Bromofluorobenzene	12.733	95	362889	45.19	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 90.38%			
Target Compounds						
3) Chloromethane	2.306	50	1694	Below Cal	#	83
4) Vinyl Chloride	2.448	62	55	Below Cal	#	53
6) Chloroethane	3.022	64	951	Below Cal	#	44
11) Tert butyl alcohol	5.363	59	385	0.46 ug/l	#	71
16) Acetone	4.296	43	17282	Below Cal	#	88
17) Carbon Disulfide	4.529	76	513	Below Cal	#	74
18) Methyl Acetate	4.865	43	4357	0.63 ug/l	#	90
20) Methylene Chloride	5.103	84	24023	2.32 ug/l	#	82
25) 2-Butanone	7.353	43	7238	2.27 ug/l		99
29) Tetrahydrofuran	7.686	42	416	0.21 ug/l	#	58
31) Cyclohexane	8.086	56	12653	Below Cal	#	43
36) 1,1-Dichloropropene	8.088	75	41980	6.33 ug/l	#	51
38) Carbon Tetrachloride	8.088	117	50558	6.33 ug/l	#	16
43) Isopropyl Acetate	8.563	43	57745	5.02 ug/l	#	87
45) 1,2-Dichloropropane	9.628	63	2746	0.51 ug/l	#	44
48) Methyl methacrylate	9.547	41	10803	2.20 ug/l	#	12
49) 1,4-Dioxane	9.617	88	215	2.01 ug/l	#	20
51) 4-Methyl-2-Pentanone	10.333	43	7017	0.96 ug/l	#	79
54) cis-1,3-Dichloropropene	10.245	75	76070	8.63 ug/l	#	66
57) 1,3-Dichloropropane	11.092	76	50784	5.45 ug/l	#	43
59) 2-Hexanone	11.092	43	721066	136.45 ug/l	#	54
76) 1,2,3-Trichloropropane	12.733	75	211794	37.50 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.733	75	211794	108.65 ug/l	#	6
93) 1,2,4-Trichlorobenzene	15.263	180	993	0.23 ug/l		73
95) Naphthalene	15.509	128	4380	0.39 ug/l	#	84

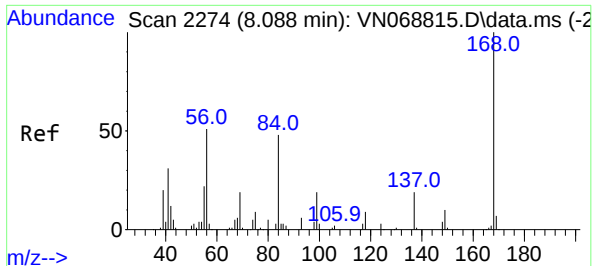
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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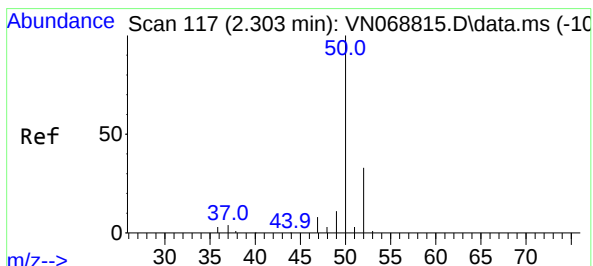
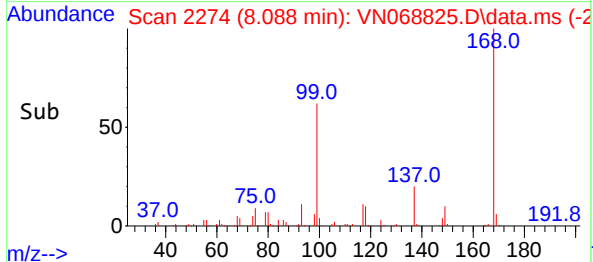
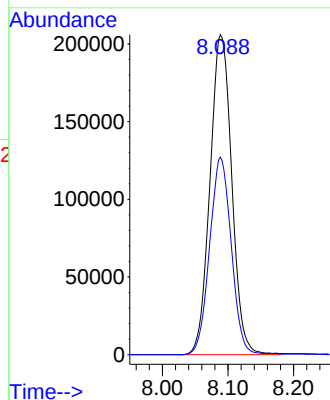
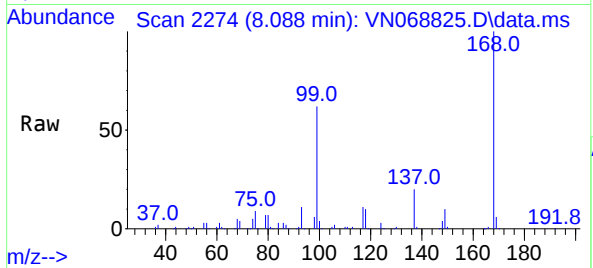




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

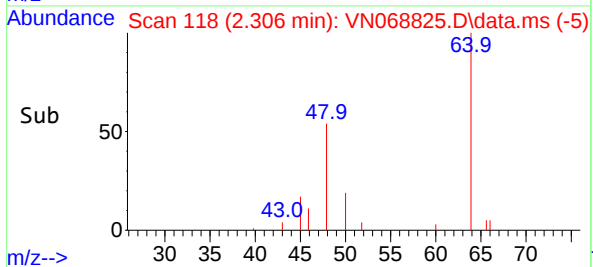
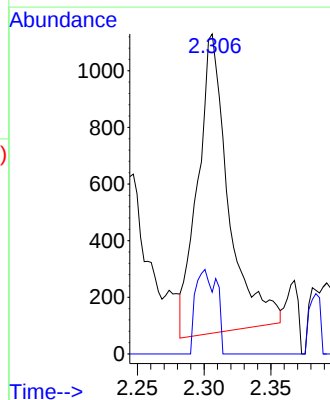
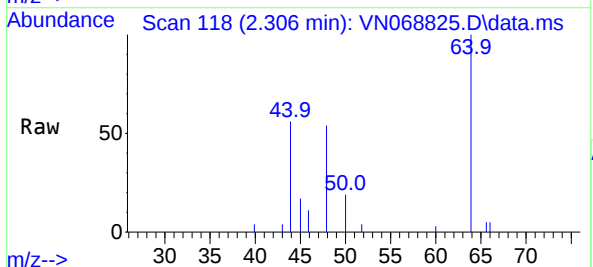
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#02

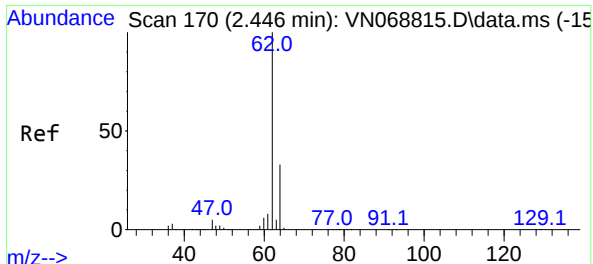
Tgt Ion:168 Resp: 474795
Ion Ratio Lower Upper
168 100
99 61.8 62.9 94.3#



#3
Chloromethane
Concen: Below Cal
RT: 2.306 min Scan# 118
Delta R.T. 0.003 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

Tgt Ion: 50 Resp: 1694
Ion Ratio Lower Upper
50 100
52 22.3 25.6 38.4#

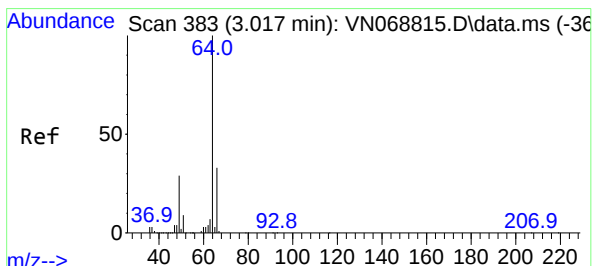
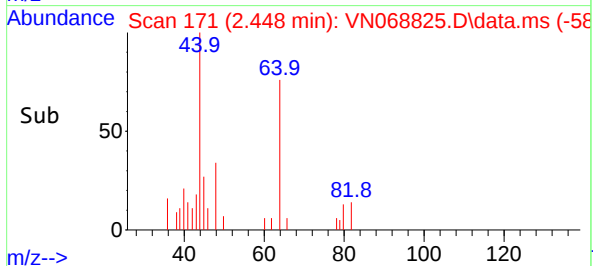
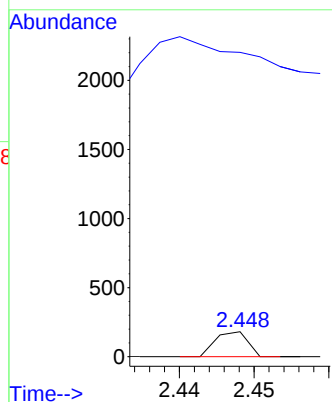
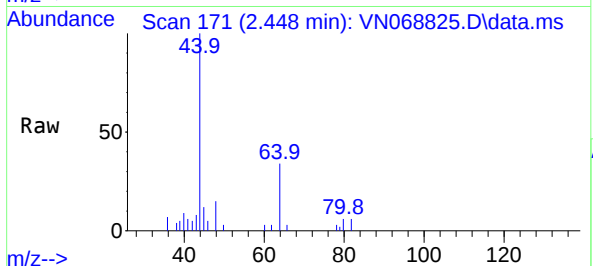




#4
Vinyl Chloride
Concen: Below Cal
RT: 2.448 min Scan# 171
Delta R.T. 0.002 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

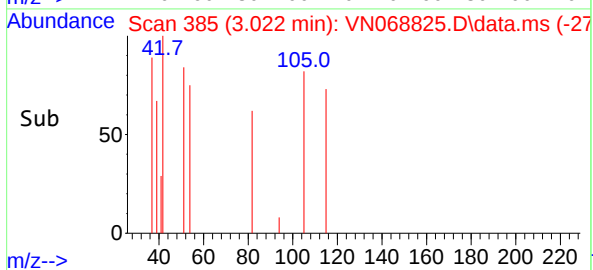
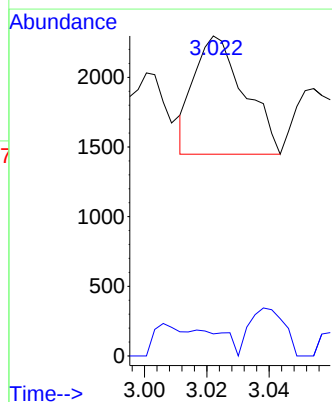
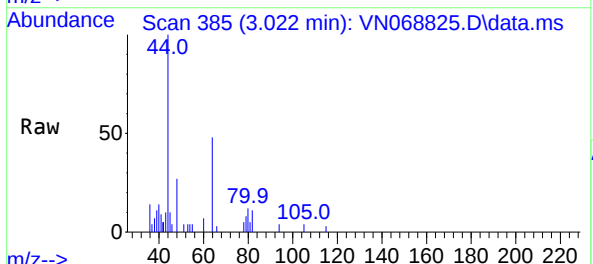
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#02

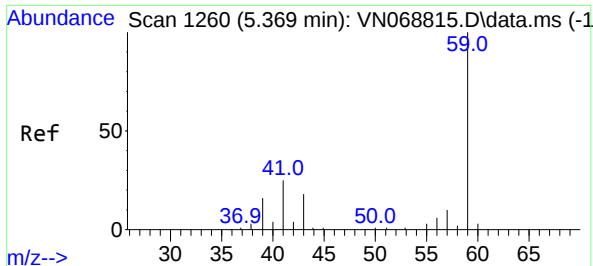
Tgt Ion: 62 Resp: 55
Ion Ratio Lower Upper
62 100
64 56.4 24.4 36.6#



#6
Chloroethane
Concen: Below Cal
RT: 3.022 min Scan# 385
Delta R.T. 0.005 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

Tgt Ion: 64 Resp: 951
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

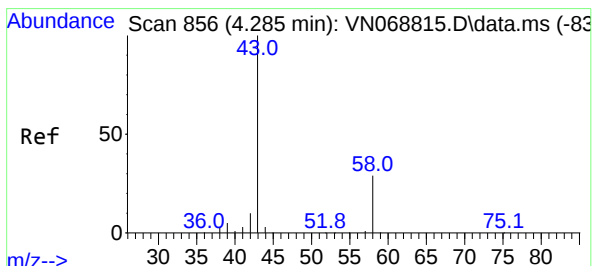
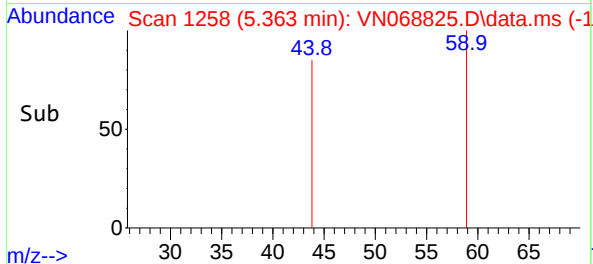
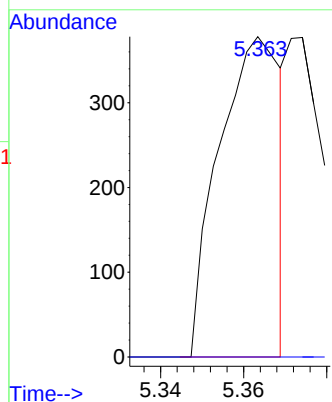
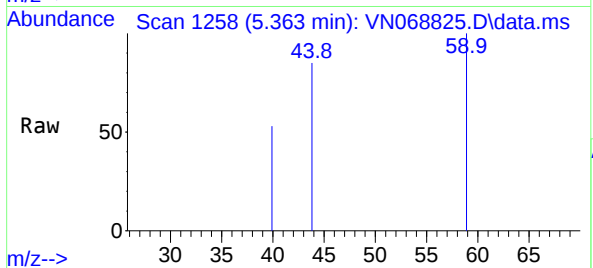




#11
Tert butyl alcohol
Concen: 0.46 ug/l
RT: 5.363 min Scan# 1258
Delta R.T. -0.006 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

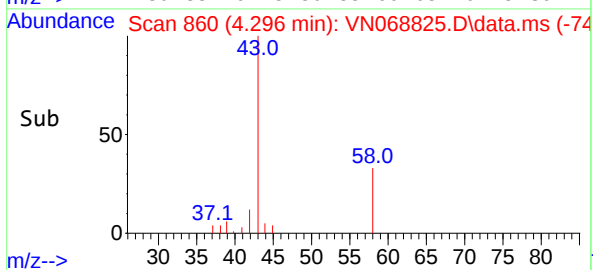
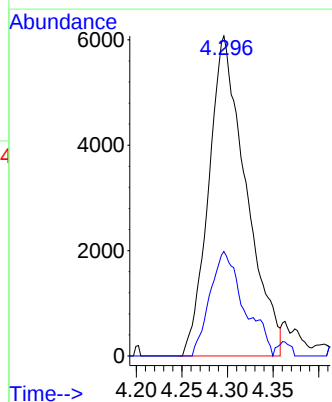
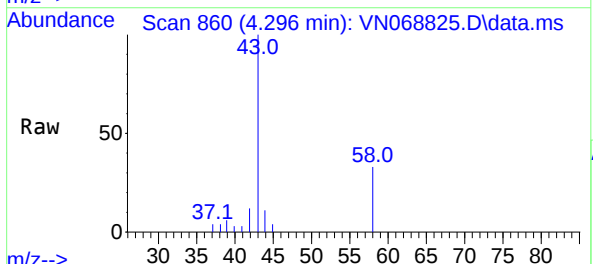
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#02

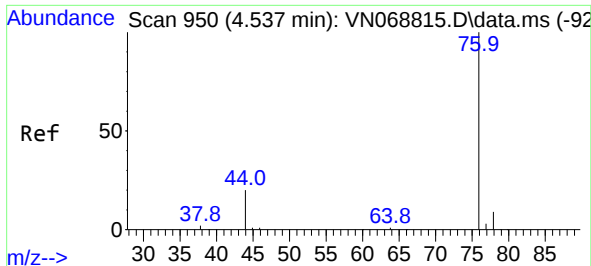
Tgt Ion: 59 Resp: 385
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



#16
Acetone
Concen: Below Cal
RT: 4.296 min Scan# 860
Delta R.T. 0.011 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

Tgt Ion: 43 Resp: 17282
Ion Ratio Lower Upper
43 100
58 32.6 21.2 31.8#

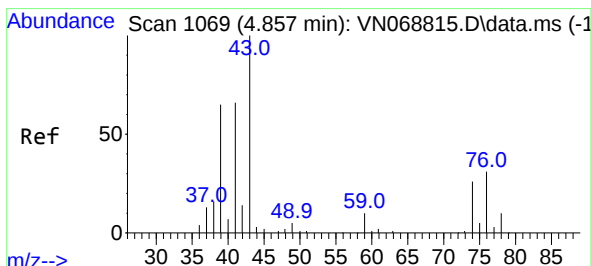
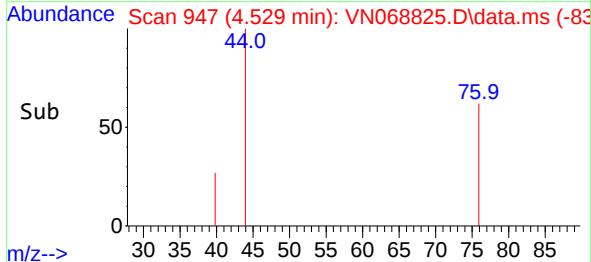
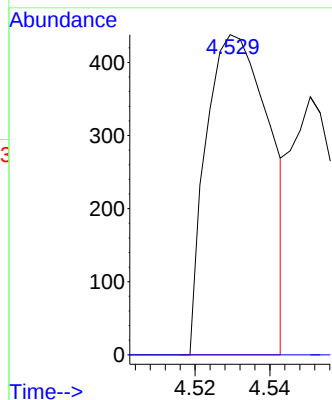
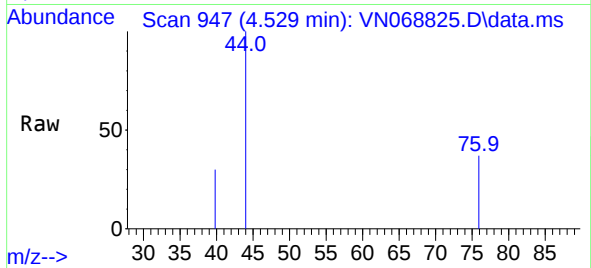




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.529 min Scan# 947
Delta R.T. -0.008 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

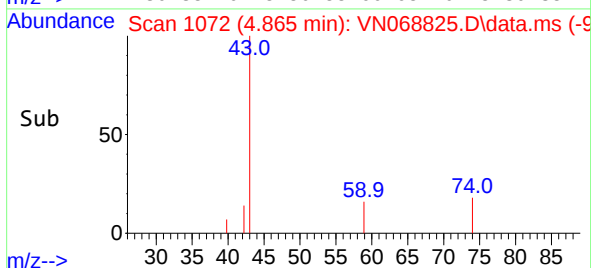
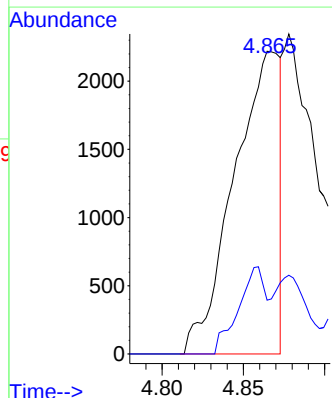
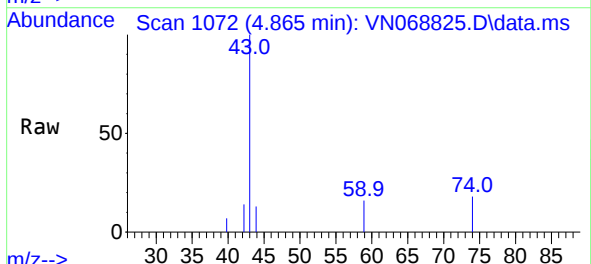
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#02

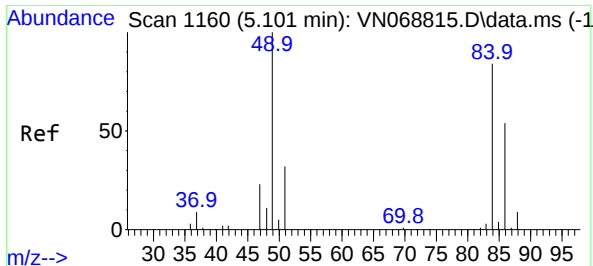
Tgt Ion: 76 Resp: 513
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#18
Methyl Acetate
Concen: 0.63 ug/l
RT: 4.865 min Scan# 1072
Delta R.T. 0.008 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

Tgt Ion: 43 Resp: 4357
Ion Ratio Lower Upper
43 100
74 16.8 17.4 26.0#



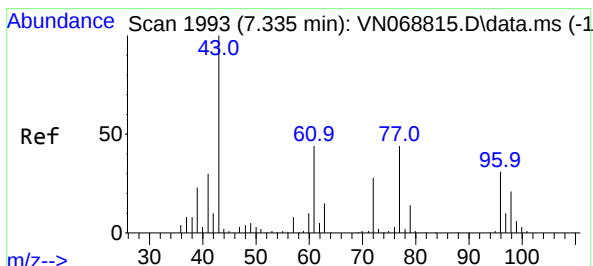
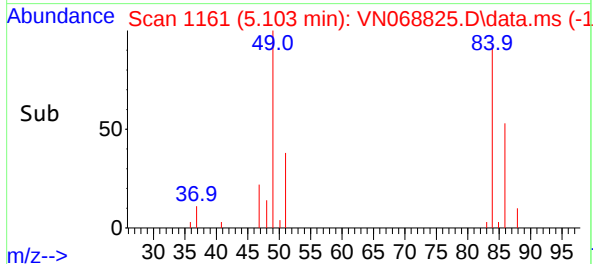
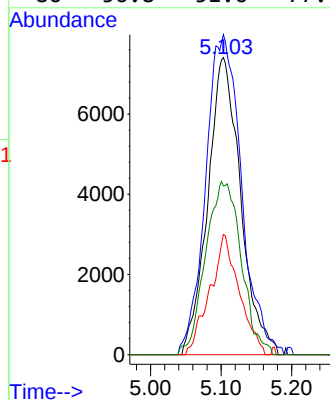
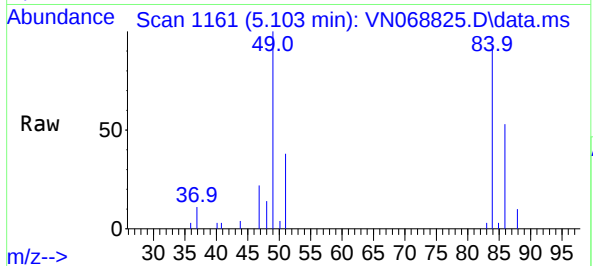


#20
Methylene Chloride
Concen: 2.32 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.002 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#02

Tgt Ion: 84 Resp: 24023

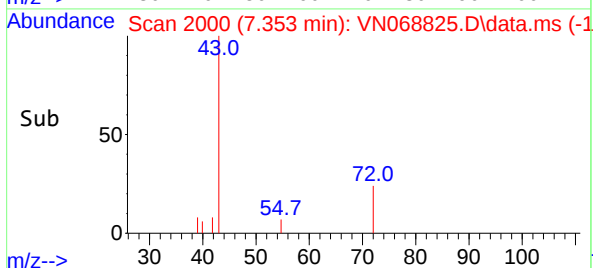
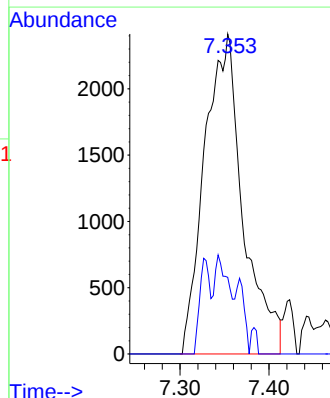
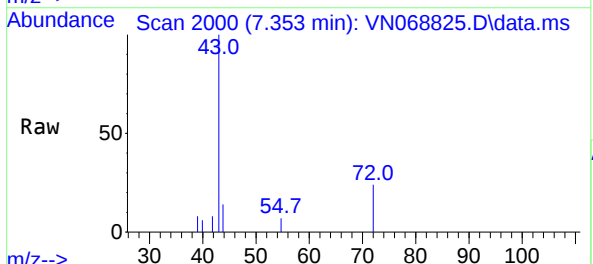
Ion	Ratio	Lower	Upper
84	100		
49	105.2	110.9	166.3#
51	40.4	32.6	49.0
86	56.8	51.6	77.4

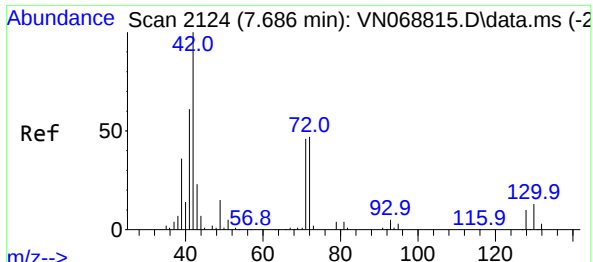


#25
2-Butanone
Concen: 2.27 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.018 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

Tgt Ion: 43 Resp: 7238

Ion	Ratio	Lower	Upper
43	100		
72	23.9	19.7	29.5



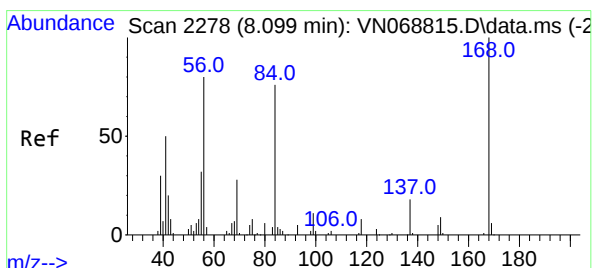
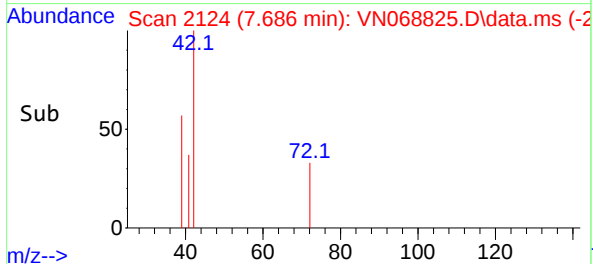
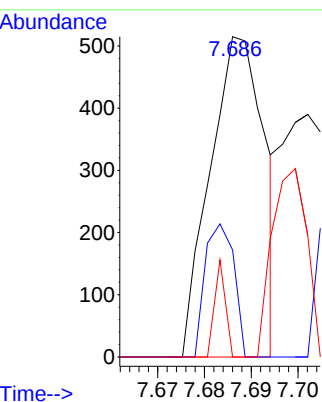
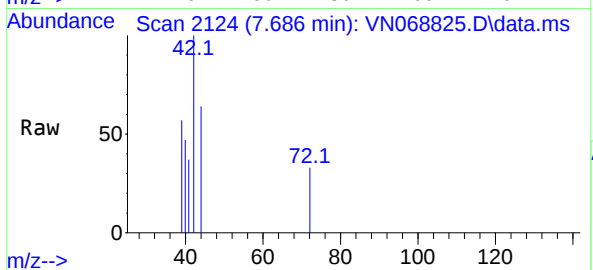


#29
Tetrahydrofuran
Concen: 0.21 ug/l
RT: 7.686 min Scan# 2124
Delta R.T. 0.000 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

Instrument :
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ClientSampleId :
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Tgt Ion: 42 Resp: 416

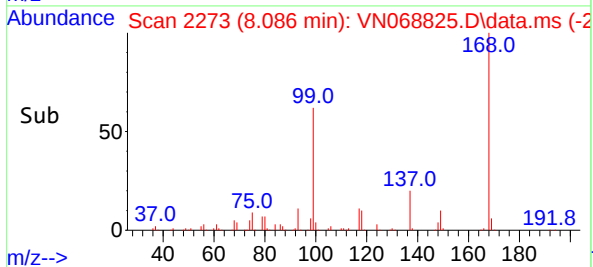
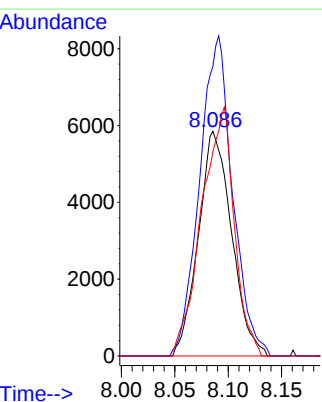
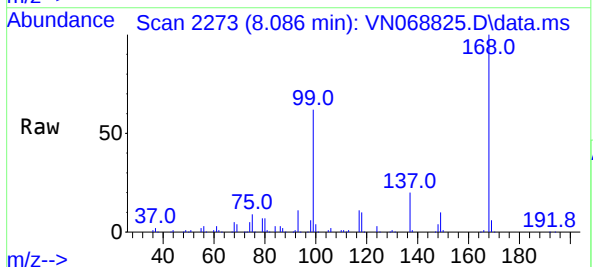
Ion	Ratio	Lower	Upper
42	100		
72	22.1	32.8	49.2#
71	6.0	31.2	46.8#

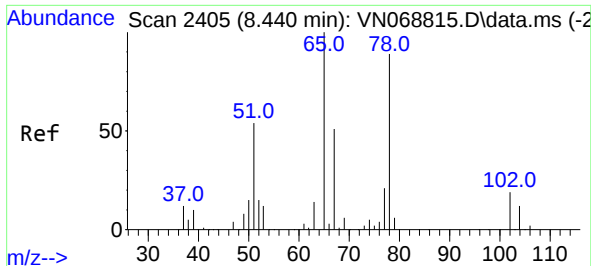


#31
Cyclohexane
Concen: Below Cal
RT: 8.086 min Scan# 2273
Delta R.T. -0.013 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

Tgt Ion: 56 Resp: 12653

Ion	Ratio	Lower	Upper
56	100		
69	129.0	27.3	40.9#
84	90.9	64.9	97.3



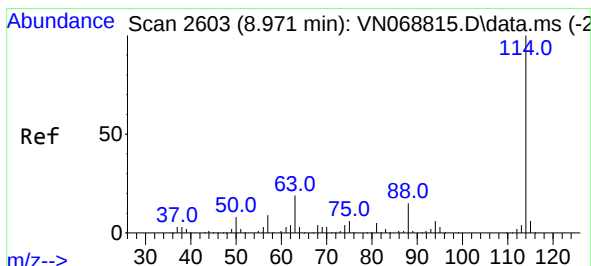
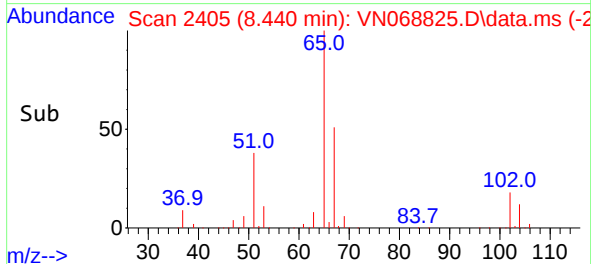
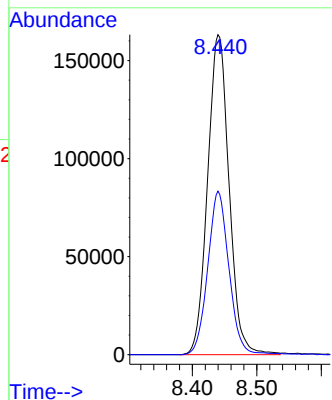
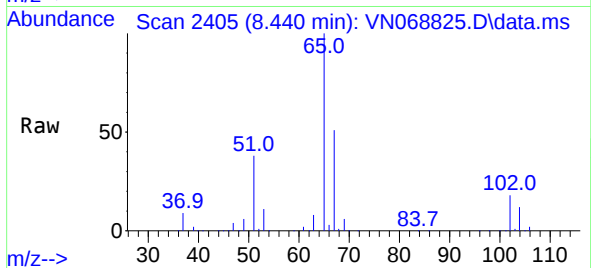


#33

1,2-Dichloroethane-d4
Concen: 54.16 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

Instrument :
MSVOA_N
ClientSampleId :
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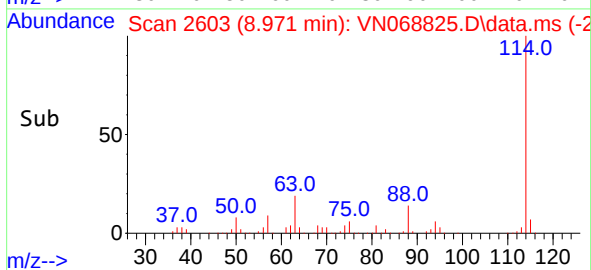
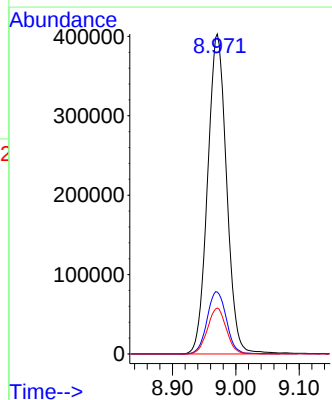
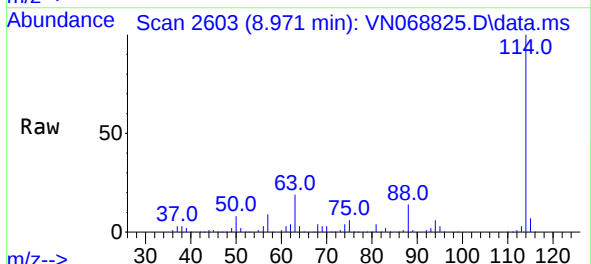
Tgt Ion: 65 Resp: 377889
Ion Ratio Lower Upper
65 100
67 50.3 0.0 98.6

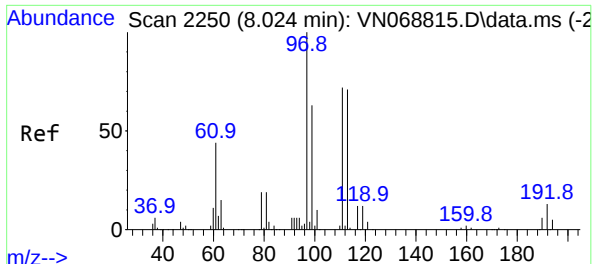


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

Tgt Ion: 114 Resp: 838835
Ion Ratio Lower Upper
114 100
63 19.4 0.0 49.0
88 14.4 0.0 36.6

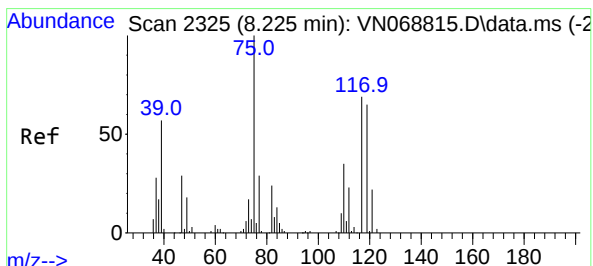
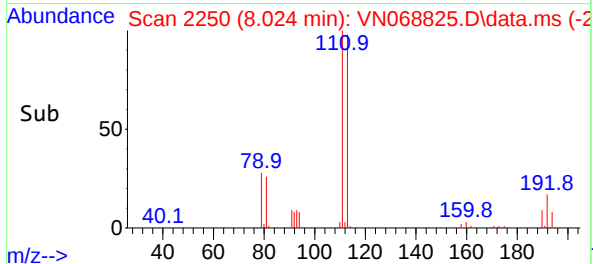
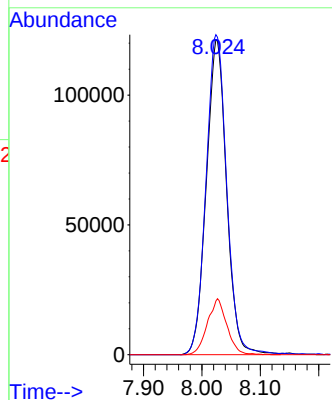
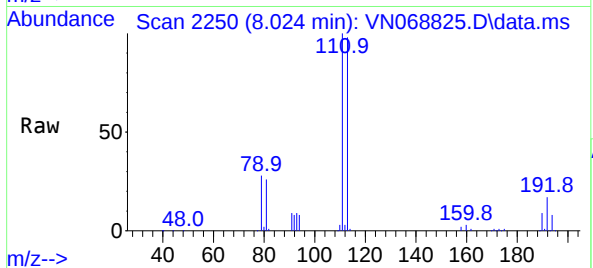




#35
Dibromofluoromethane
Concen: 53.14 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. -0.000 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

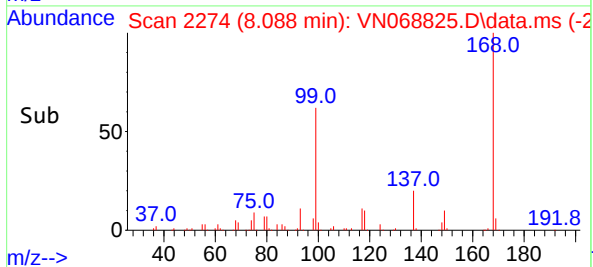
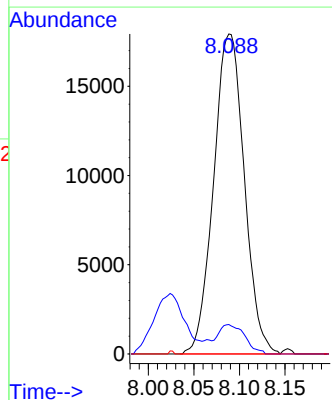
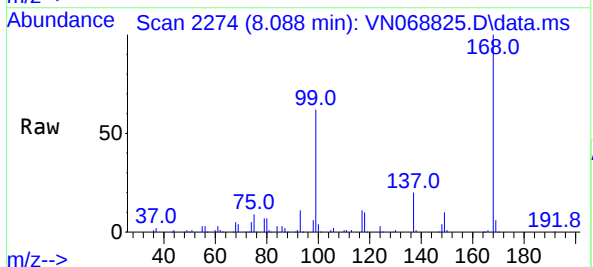
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#02

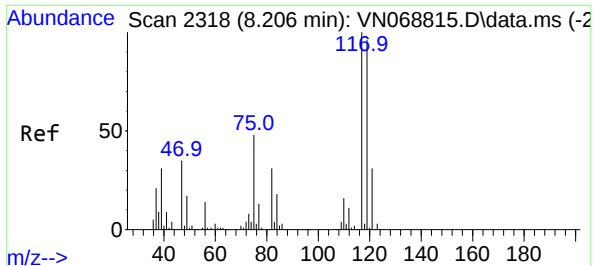
Tgt Ion:113 Resp: 292790
Ion Ratio Lower Upper
113 100
111 103.5 83.8 125.8
192 16.9 13.4 20.0



#36
1,1-Dichloropropene
Concen: 6.33 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

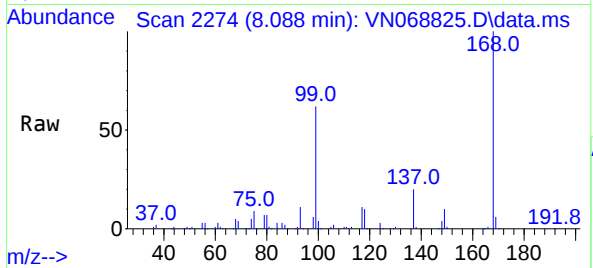
Tgt Ion: 75 Resp: 41980
Ion Ratio Lower Upper
75 100
110 8.0 15.7 47.0#
77 0.0 24.6 37.0#



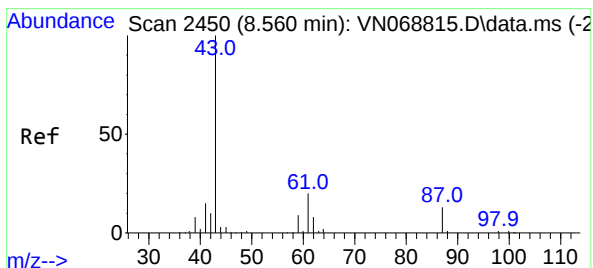
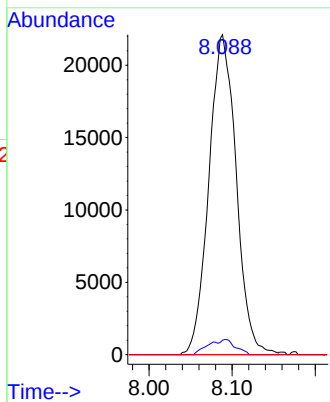
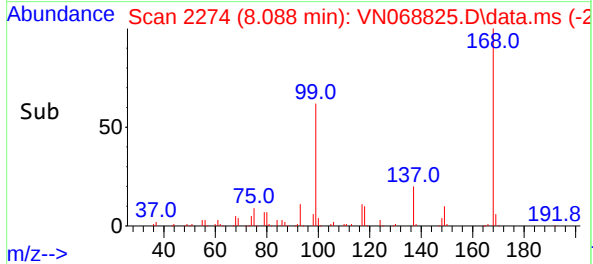


#38
Carbon Tetrachloride
Concen: 6.33 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

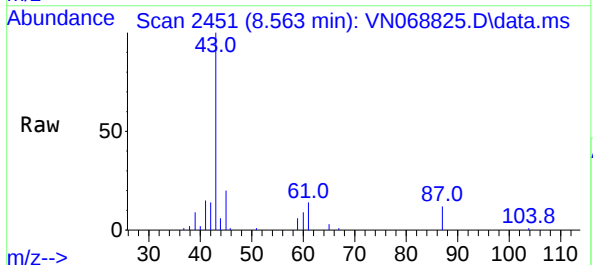
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#02



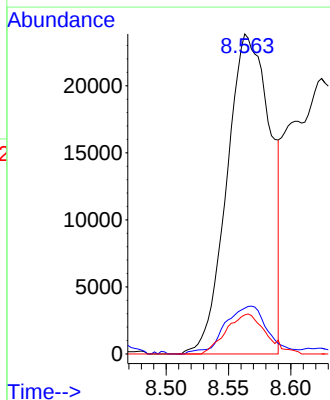
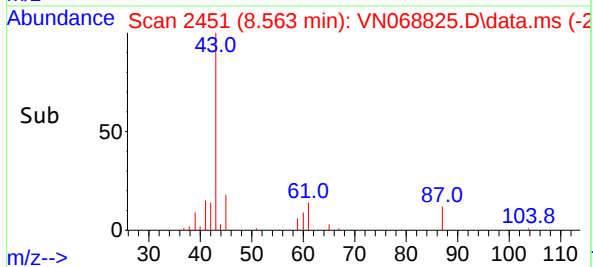
Tgt Ion:117 Resp: 50558
Ion Ratio Lower Upper
117 100
119 4.5 75.4 113.2#
121 0.0 23.5 35.3#

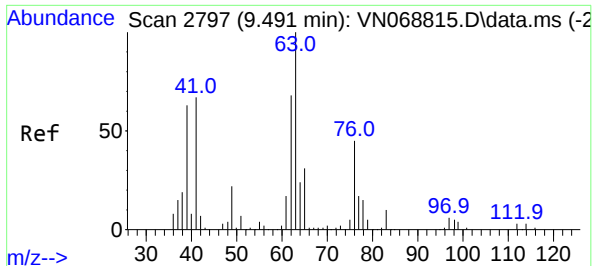


#43
Isopropyl Acetate
Concen: 5.02 ug/l
RT: 8.563 min Scan# 2451
Delta R.T. 0.003 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15



Tgt Ion: 43 Resp: 57745
Ion Ratio Lower Upper
43 100
61 14.7 19.0 28.4#
87 11.4 9.5 14.3

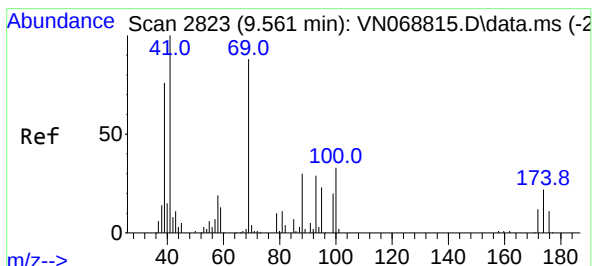
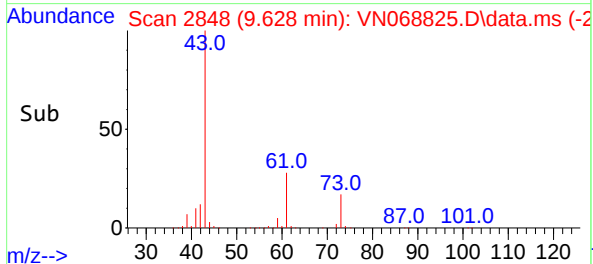
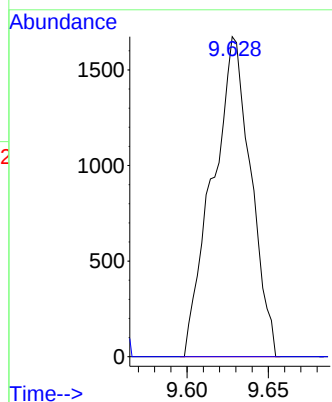
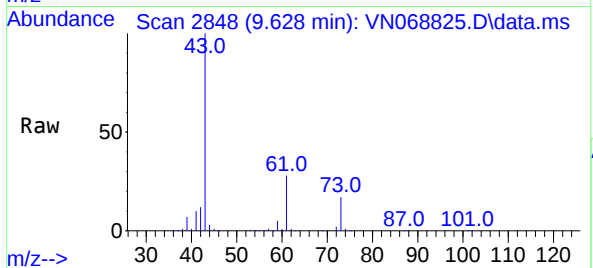




#45
1,2-Dichloropropane
Concen: 0.51 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

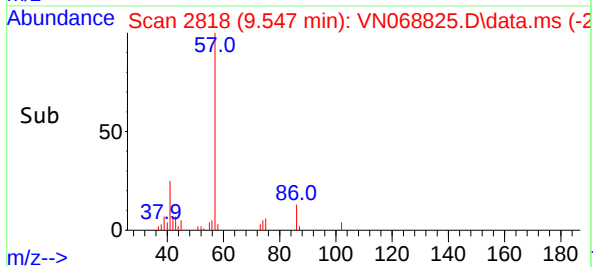
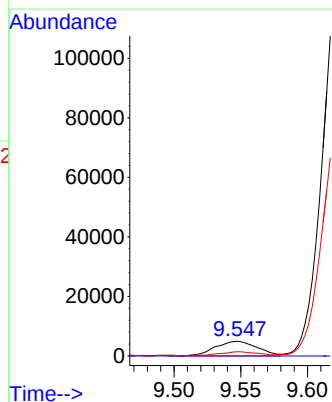
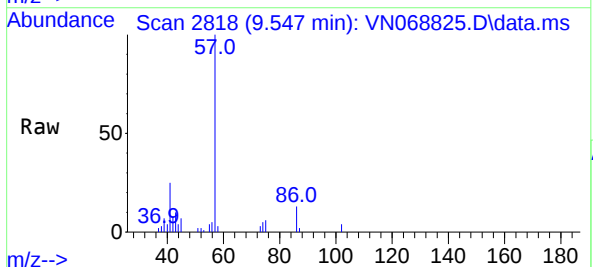
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#02

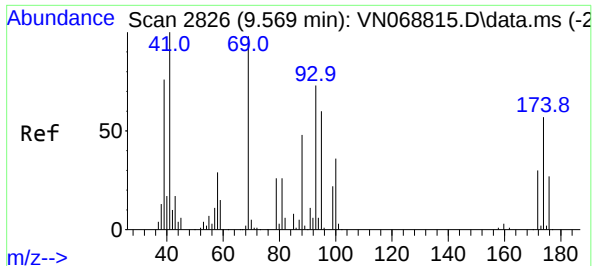
Tgt Ion: 63 Resp: 2746
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#48
Methyl methacrylate
Concen: 2.20 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

Tgt Ion: 41 Resp: 10803
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: 2.01 ug/l

RT: 9.617 min Scan# 2844

Delta R.T. 0.048 min

Lab File: VN068825.D

Acq: 6 Oct 2021 18:15

Tgt Ion: 88 Resp: 215

Ion Ratio Lower Upper

88 100

43 0.0 28.8 43.2#

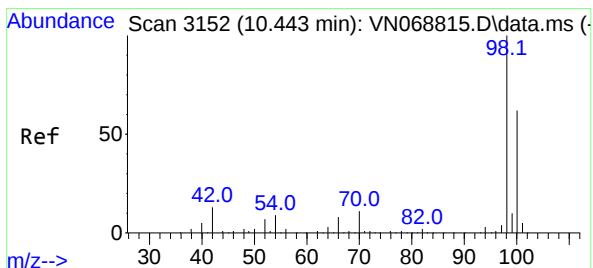
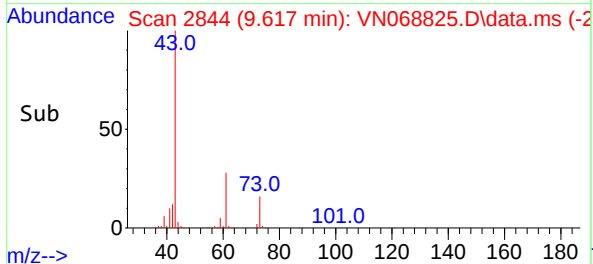
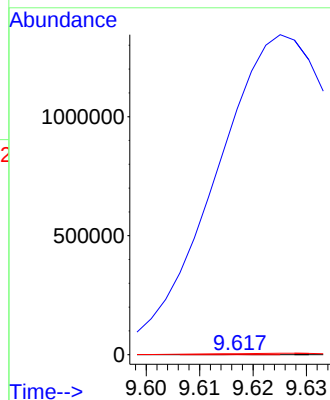
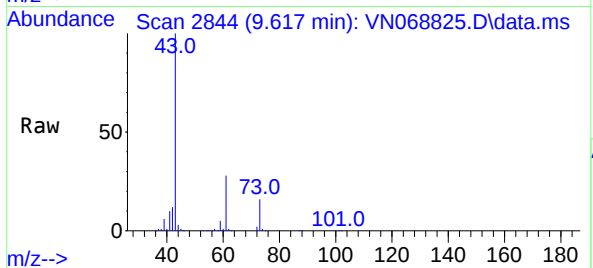
58 0.0 60.4 90.6#

Instrument :

MSVOA_N

ClientSampleId :

PB139645ZHE#02



#50

Toluene-d8

Concen: 56.68 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN068825.D

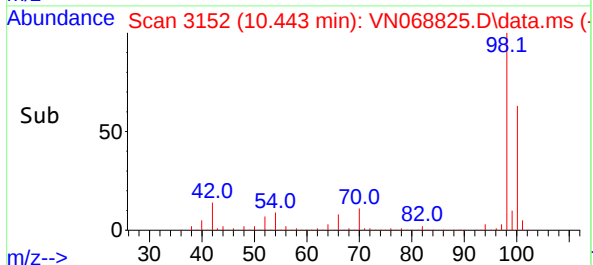
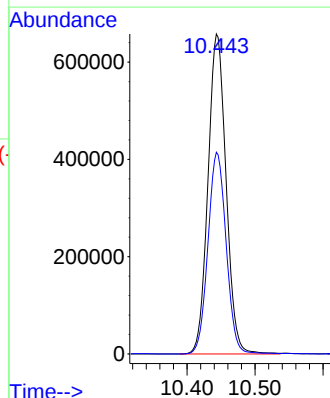
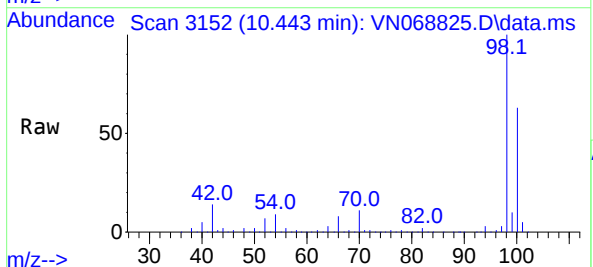
Acq: 6 Oct 2021 18:15

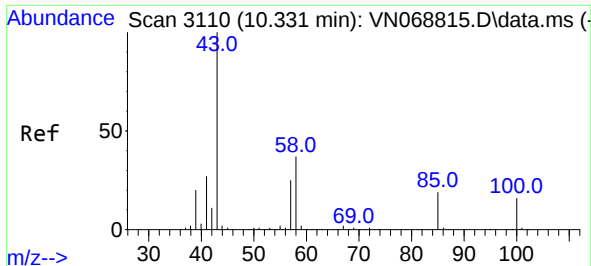
Tgt Ion: 98 Resp: 1217964

Ion Ratio Lower Upper

98 100

100 63.3 51.7 77.5

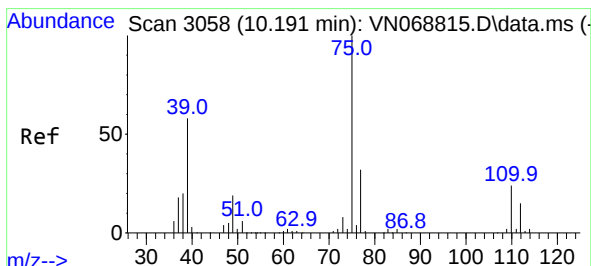
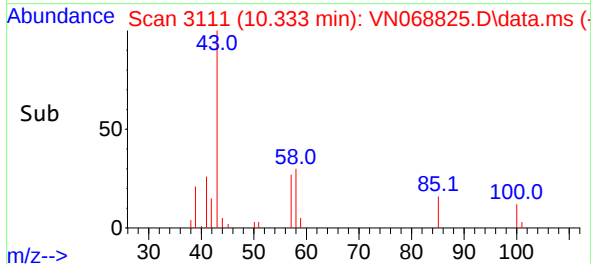
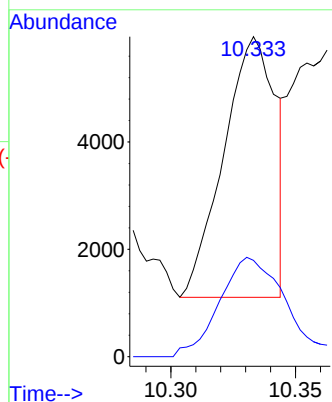
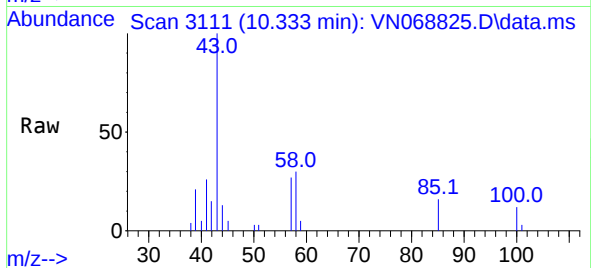




#51
4-Methyl-2-Pentanone
Concen: 0.96 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.002 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

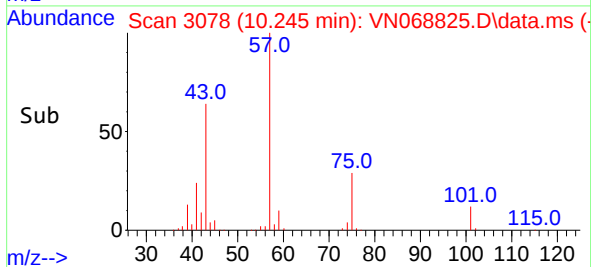
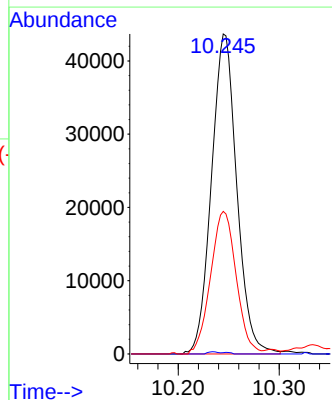
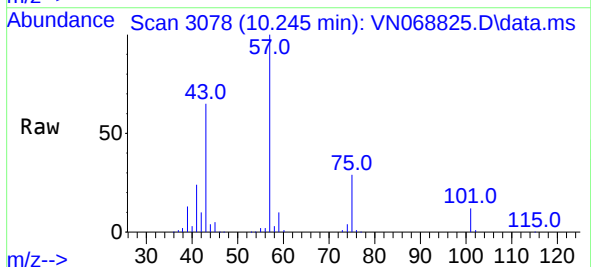
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#02

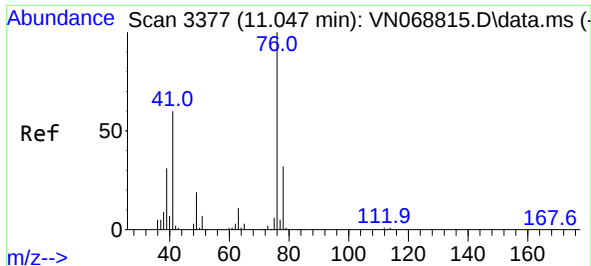
Tgt Ion: 43 Resp: 7017
Ion Ratio Lower Upper
43 100
58 47.9 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 8.63 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.054 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

Tgt Ion: 75 Resp: 76070
Ion Ratio Lower Upper
75 100
77 0.4 24.6 37.0#
39 44.6 50.7 76.1#

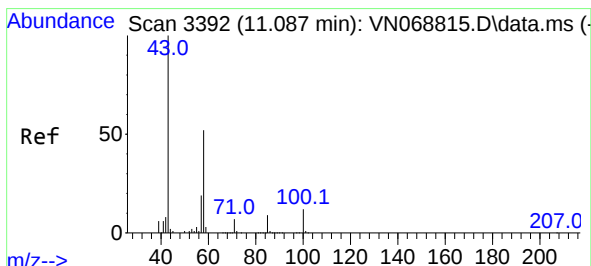
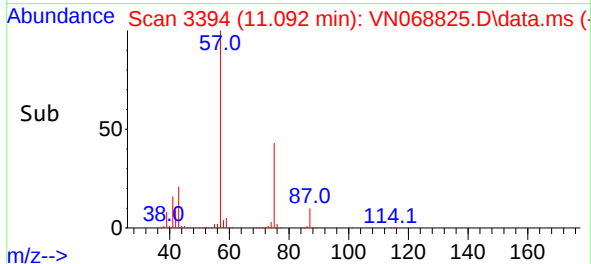
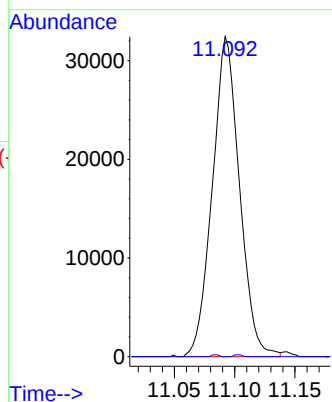
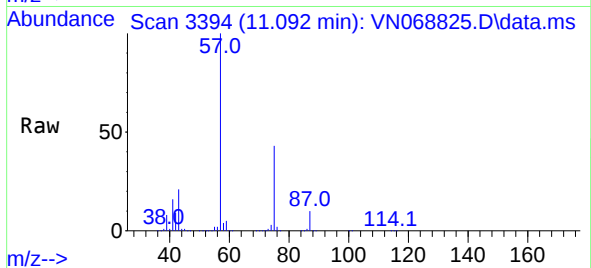




#57
1,3-Dichloropropane
Concen: 5.45 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

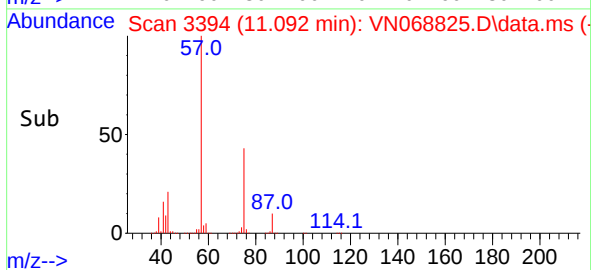
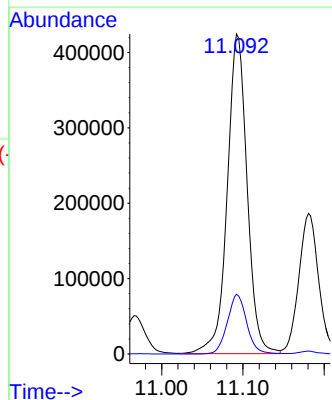
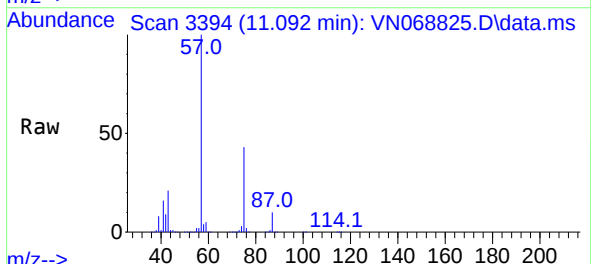
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#02

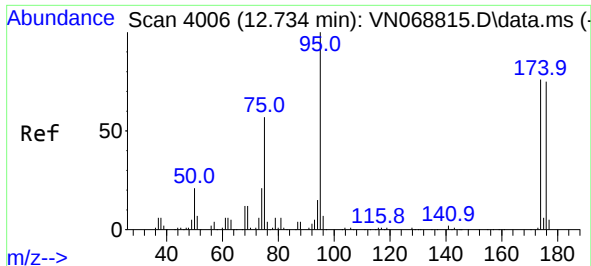
Tgt Ion: 76 Resp: 50784
Ion Ratio Lower Upper
76 100
78 0.2 25.7 38.5#



#59
2-Hexanone
Concen: 136.45 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

Tgt Ion: 43 Resp: 721066
Ion Ratio Lower Upper
43 100
58 18.2 24.7 74.1#

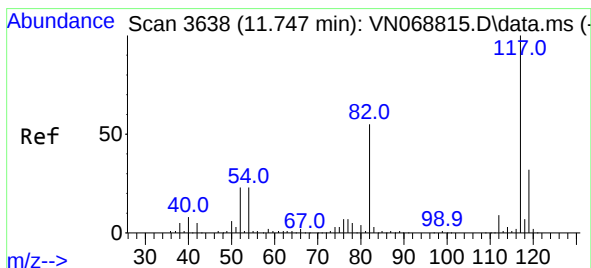
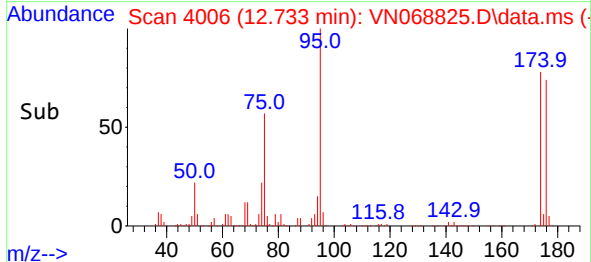
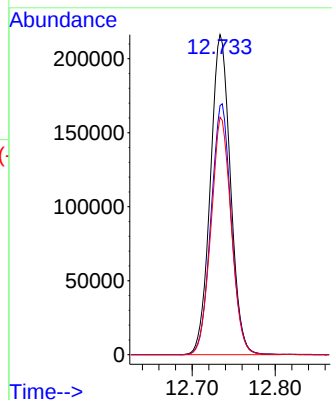
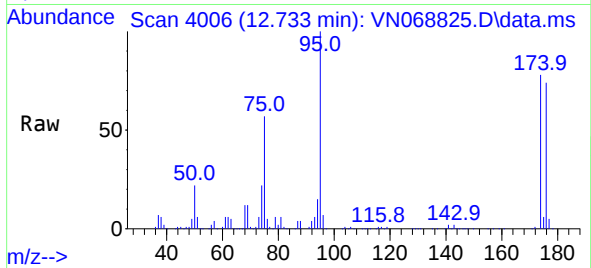




#62
4-Bromofluorobenzene
Concen: 45.19 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

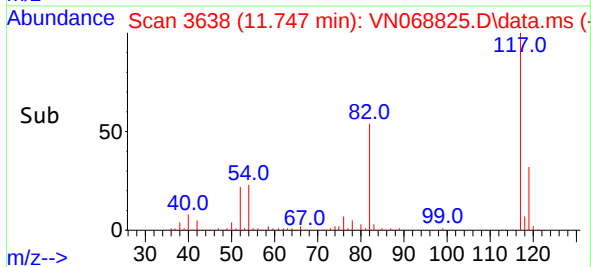
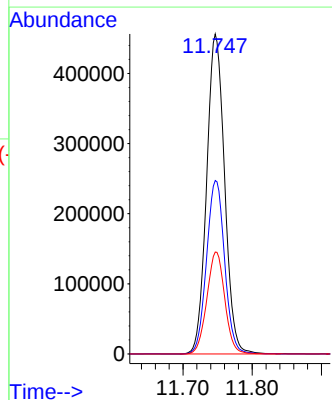
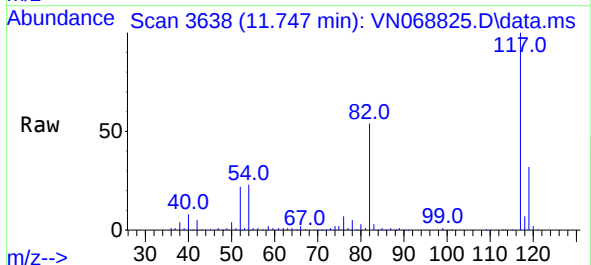
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#02

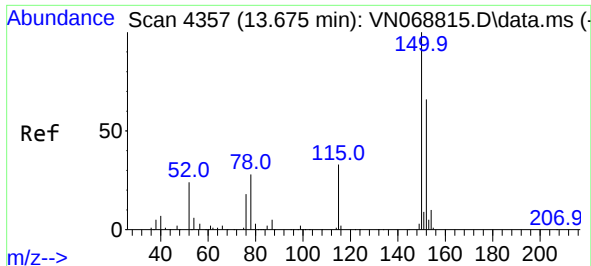
Tgt Ion: 95 Resp: 362889
Ion Ratio Lower Upper
95 100
174 79.2 0.0 122.0
176 74.9 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

Tgt Ion: 117 Resp: 822511
Ion Ratio Lower Upper
117 100
82 54.2 53.1 79.7
119 31.9 25.5 38.3

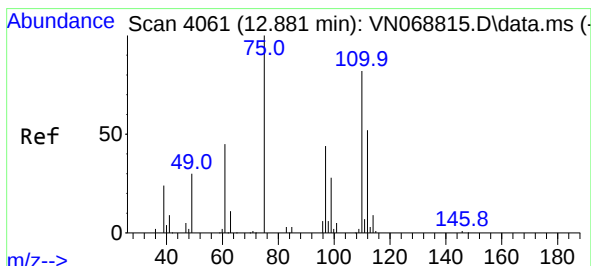
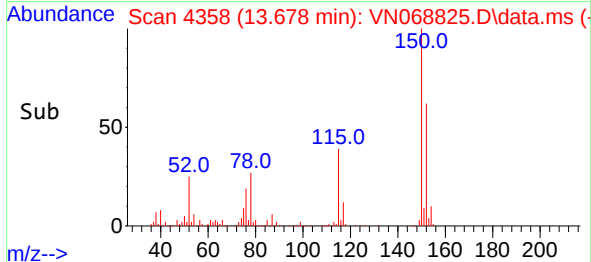
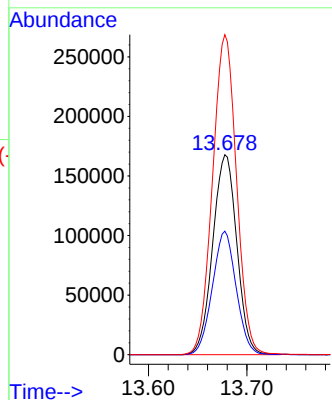
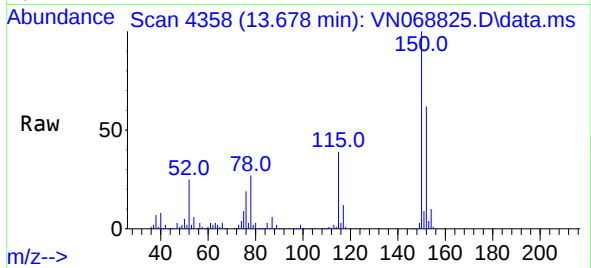




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

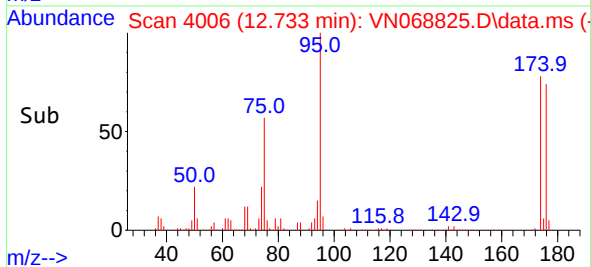
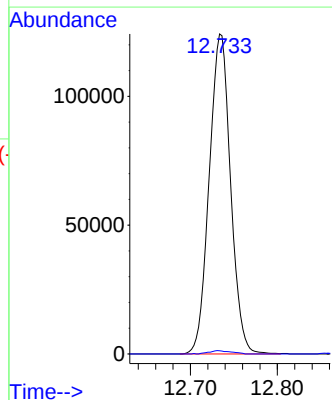
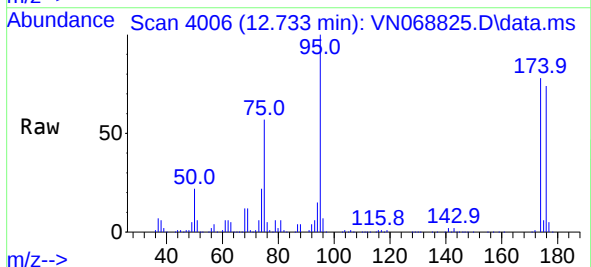
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#02

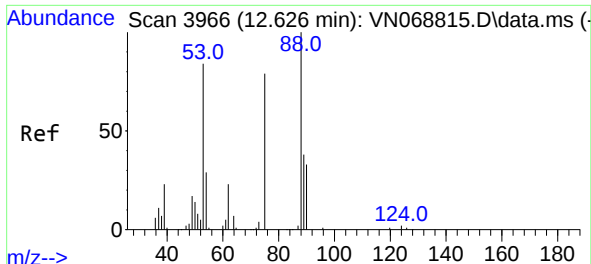
Tgt Ion:152 Resp: 286490
Ion Ratio Lower Upper
152 100
115 61.1 36.1 108.5
150 159.2 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 37.50 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

Tgt Ion: 75 Resp: 211794
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#

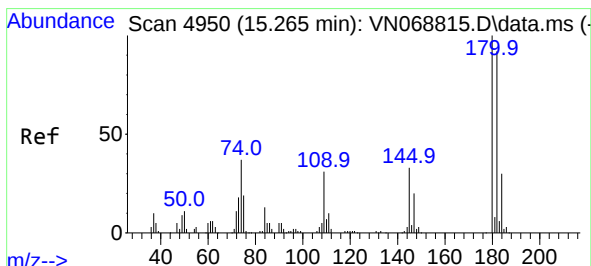
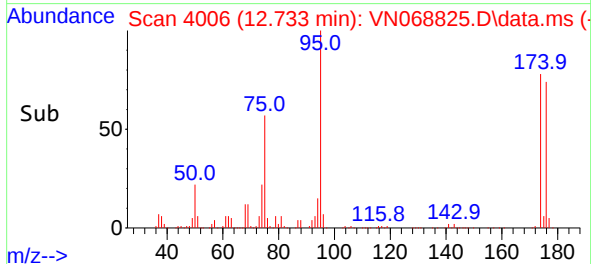
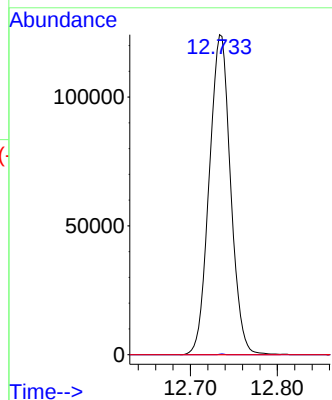
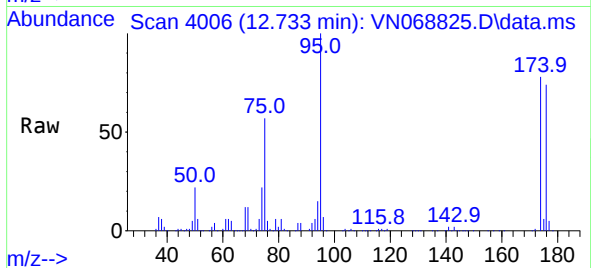




#81
trans-1,4-Dichloro-2-butene
Concen: 108.65 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

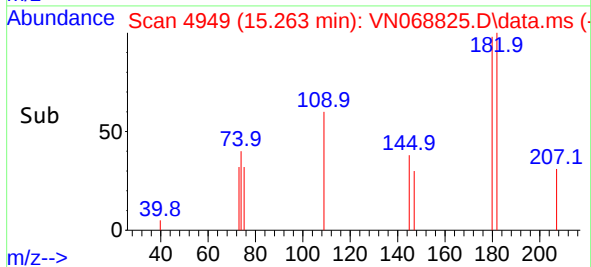
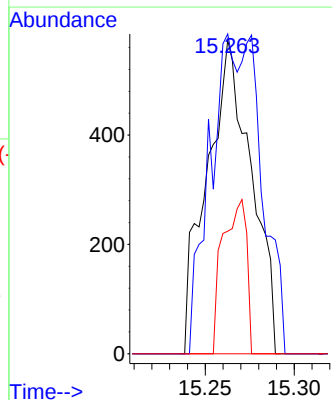
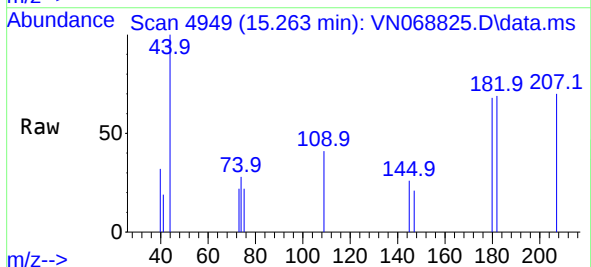
Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#02

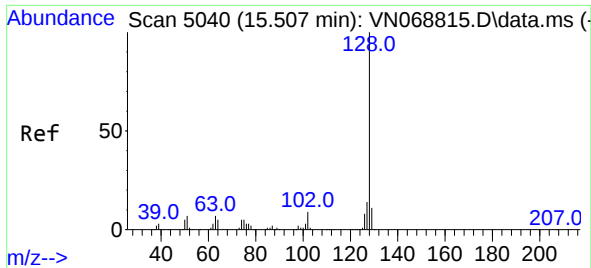
Tgt Ion: 75 Resp: 211794
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 0.23 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

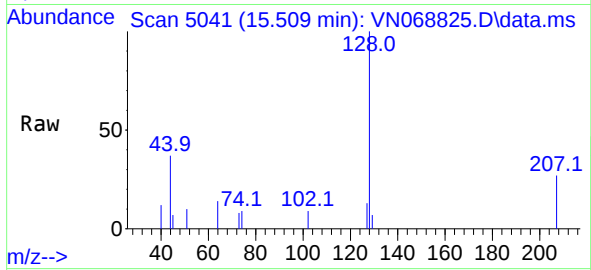
Tgt Ion:180 Resp: 993
Ion Ratio Lower Upper
180 100
182 63.9 47.5 142.5
145 26.4 17.2 51.6





#95
Naphthalene
Concen: 0.39 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068825.D
Acq: 6 Oct 2021 18:15

Instrument :
MSVOA_N
ClientSampleId :
PB139645ZHE#02



Tgt Ion:128 Resp: 4380
Ion Ratio Lower Upper
128 100
127 5.7 10.6 15.8#
129 6.3 8.6 12.8#

