

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100621\
 Data File : VN068828.D
 Acq On : 6 Oct 2021 19:31
 Operator : JC/MD
 Sample : PB139646TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB139646TB

Quant Time: Oct 07 06:03:11 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)

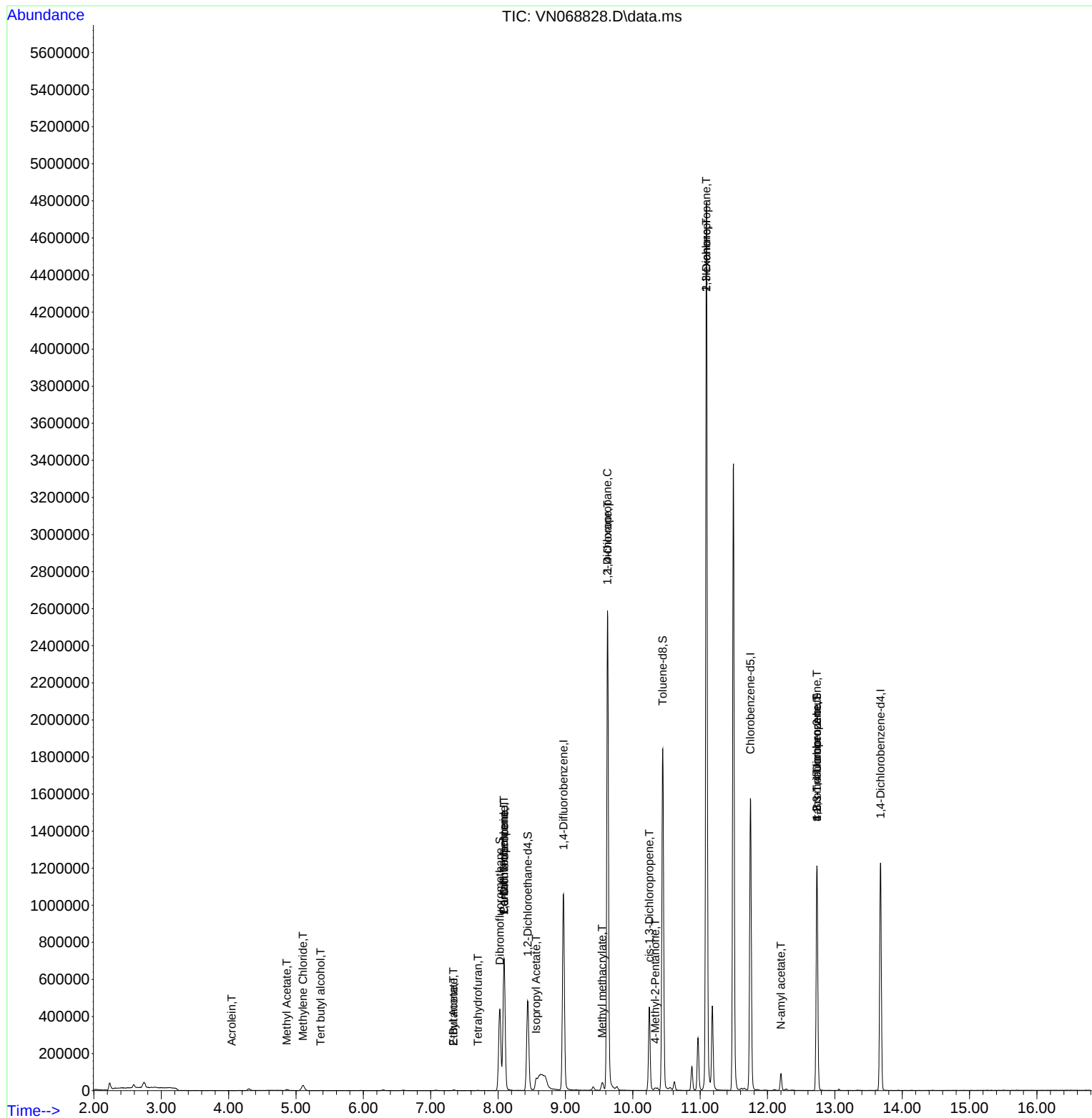
Internal Standards						
1) Pentafluorobenzene	8.088	168	516243	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	916442	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	891621	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	315669	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	399506	52.66	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 105.32%			
35) Dibromofluoromethane	8.027	113	310445	51.57	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 103.14%			
50) Toluene-d8	10.443	98	1285154	54.74	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 109.48%			
62) 4-Bromofluorobenzene	12.733	95	389179	44.45	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 88.90%			
Target Compounds						
3) Chloromethane	2.303	50	1509	Below Cal	#	83
4) Vinyl Chloride	2.453	62	118	Below Cal	#	1
6) Chloroethane	2.885	64	372	Below Cal	#	48
7) Trichlorofluoromethane	3.373	101	25	Below Cal	#	18
11) Tert butyl alcohol	5.363	59	316	0.35	ug/l	# 71
13) Acrolein	4.044	56	99	0.20	ug/l	# 14
16) Acetone	4.299	43	16970	Below Cal	#	88
17) Carbon Disulfide	4.524	76	115	Below Cal	#	74
18) Methyl Acetate	4.864	43	11122	1.48	ug/l	# 60
20) Methylene Chloride	5.103	84	23066	1.65	ug/l	# 87
25) 2-Butanone	7.335	43	2819	0.81	ug/l	# 97
29) Tetrahydrofuran	7.702	42	1168	0.55	ug/l	# 64
31) Cyclohexane	8.088	56	14583	Below Cal	#	41
36) 1,1-Dichloropropene	8.091	75	43812	6.05	ug/l	# 53
37) Ethyl Acetate	7.335	43	2819	0.41	ug/l	# 69
38) Carbon Tetrachloride	8.088	117	56133	6.43	ug/l	# 16
43) Isopropyl Acetate	8.566	43	66988	5.33	ug/l	# 82
45) 1,2-Dichloropropane	9.622	63	3067	0.52	ug/l	# 44
48) Methyl methacrylate	9.544	41	11117	2.07	ug/l	# 12
49) 1,4-Dioxane	9.628	88	288	2.46	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.336	43	5482	0.68	ug/l	# 67
54) cis-1,3-Dichloropropene	10.245	75	76365	7.93	ug/l	# 67
57) 1,3-Dichloropropane	11.092	76	50239	4.93	ug/l	# 43
59) 2-Hexanone	11.092	43	723658	125.34	ug/l	# 54
74) N-amyl acetate	12.197	43	25260	2.99	ug/l	# 59
76) 1,2,3-Trichloropropane	12.733	75	222063	35.69	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	222063	103.38	ug/l	# 6
96) 1,2,3-Trichlorobenzene	15.702	180	429	Below Cal	#	70

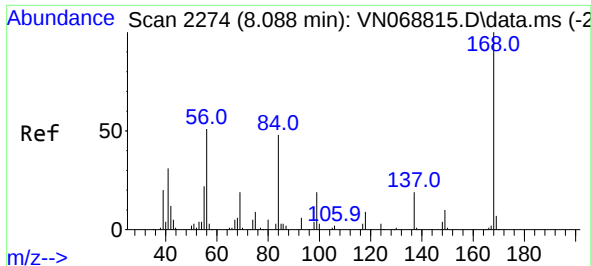
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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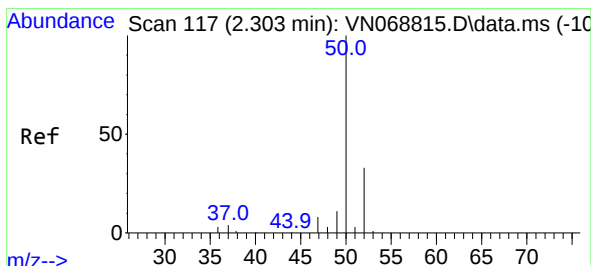
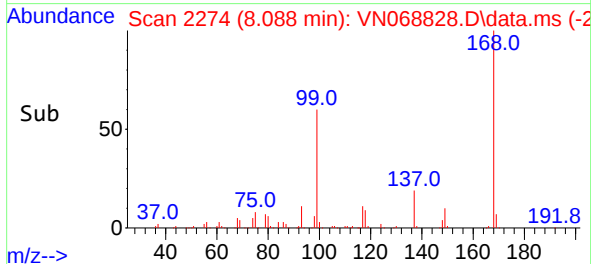
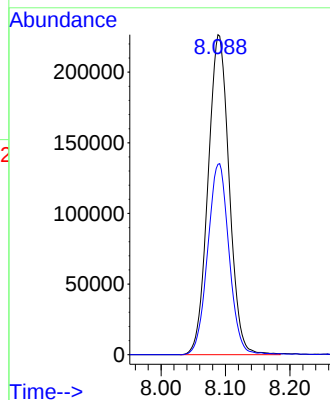
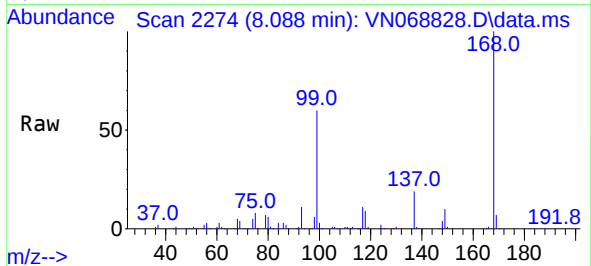




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

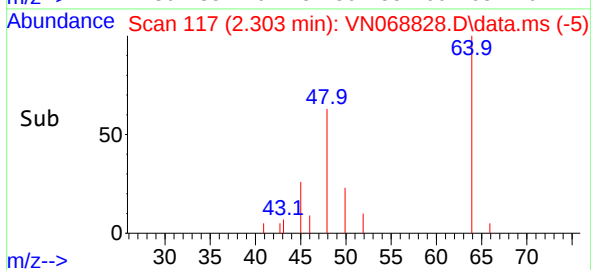
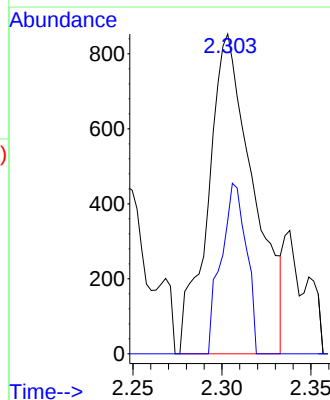
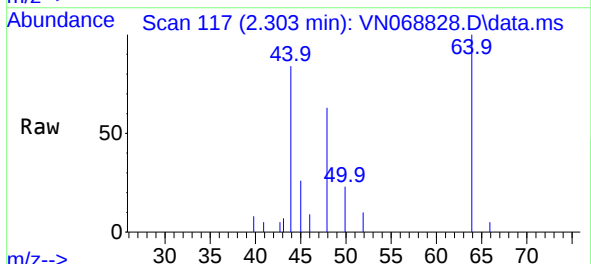
Instrument :
MSVOA_N
ClientSampled :
PB139646TB

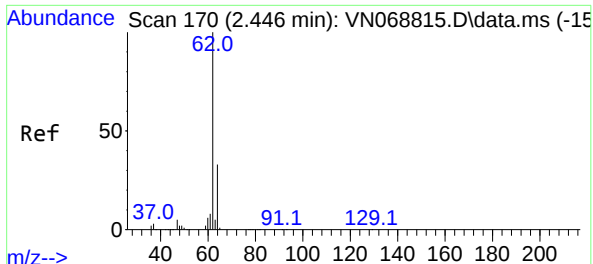
Tgt Ion:168 Resp: 516243
Ion Ratio Lower Upper
168 100
99 59.5 62.9 94.3#



#3
Chloromethane
Concen: Below Cal
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

Tgt Ion: 50 Resp: 1509
Ion Ratio Lower Upper
50 100
52 41.6 25.6 38.4#

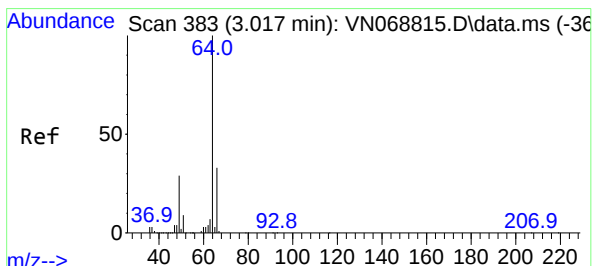
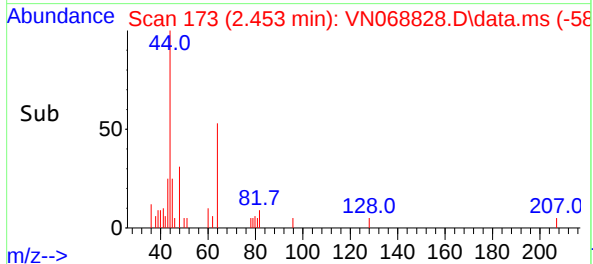
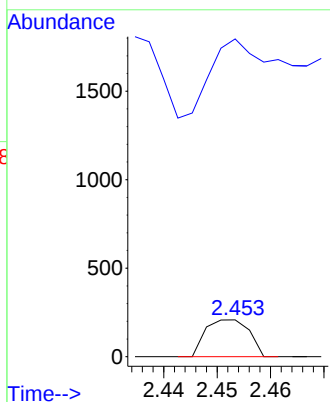
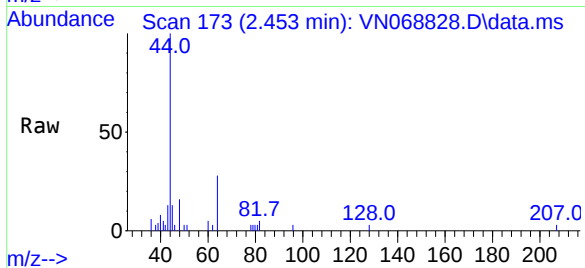




#4
Vinyl Chloride
Concen: Below Cal
RT: 2.453 min Scan# 173
Delta R.T. 0.007 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

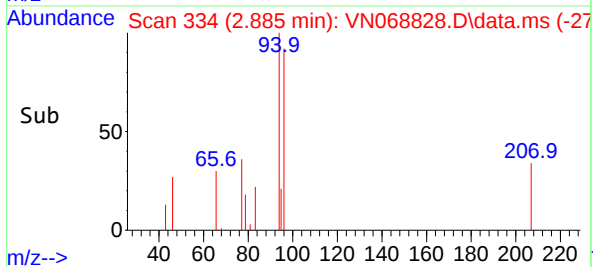
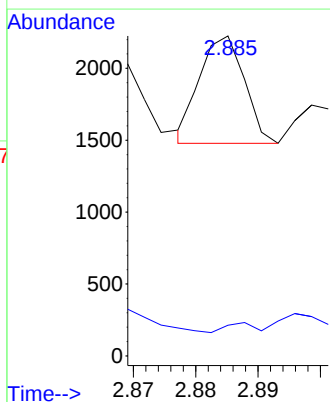
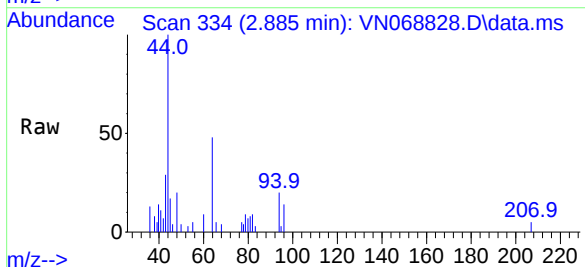
Instrument :
MSVOA_N
ClientSampleId :
PB139646TB

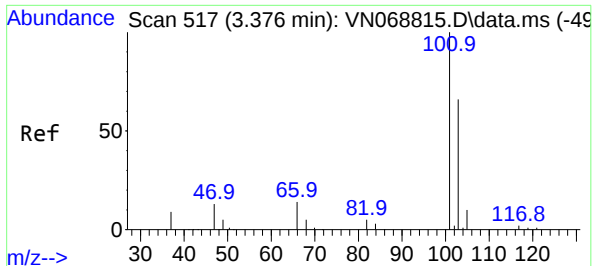
Tgt Ion: 62 Resp: 118
Ion Ratio Lower Upper
62 100
64 214.9 24.4 36.6#



#6
Chloroethane
Concen: Below Cal
RT: 2.885 min Scan# 334
Delta R.T. -0.132 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

Tgt Ion: 64 Resp: 372
Ion Ratio Lower Upper
64 100
66 2.5 24.7 37.1#

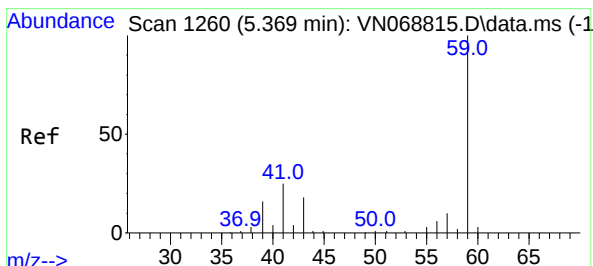
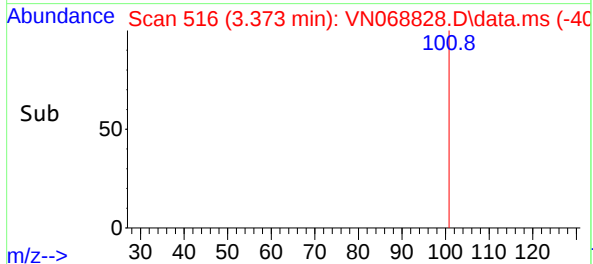
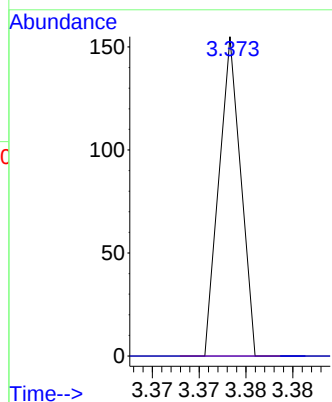
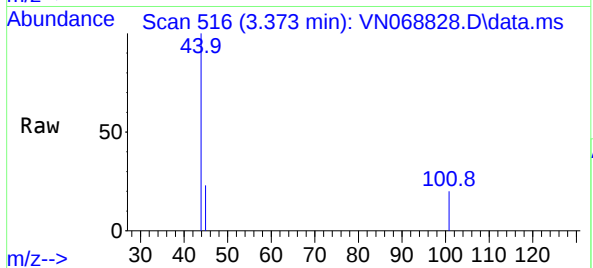




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.373 min Scan# 516
Delta R.T. -0.003 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

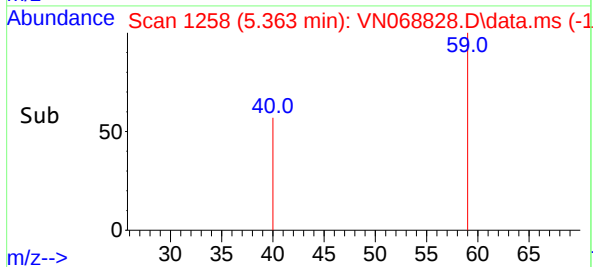
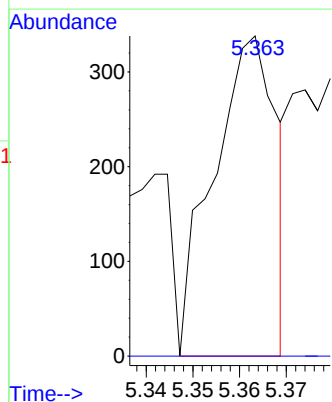
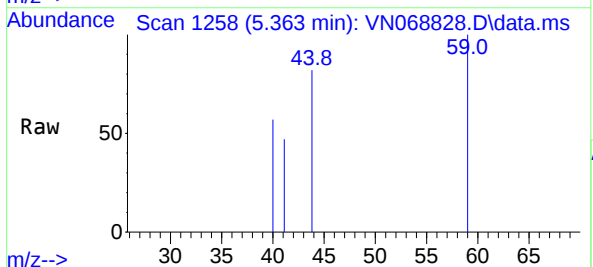
Instrument :
MSVOA_N
ClientSampleId :
PB139646TB

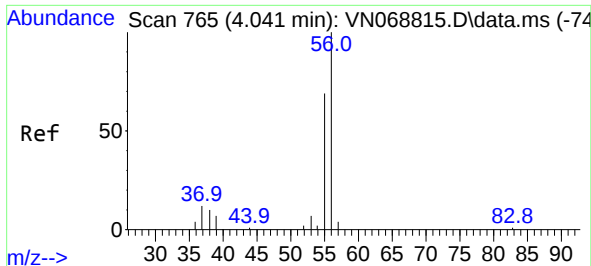
Tgt Ion:101 Resp: 25
Ion Ratio Lower Upper
101 100
103 0.0 51.2 76.8#



#11
Tert butyl alcohol
Concen: 0.35 ug/l
RT: 5.363 min Scan# 1258
Delta R.T. -0.006 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

Tgt Ion: 59 Resp: 316
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

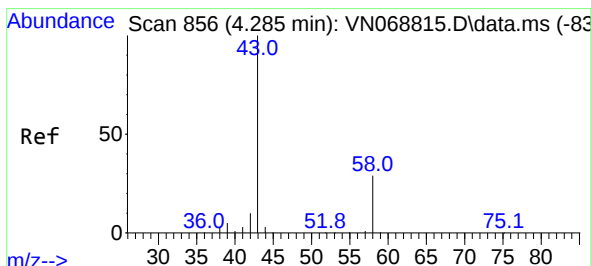
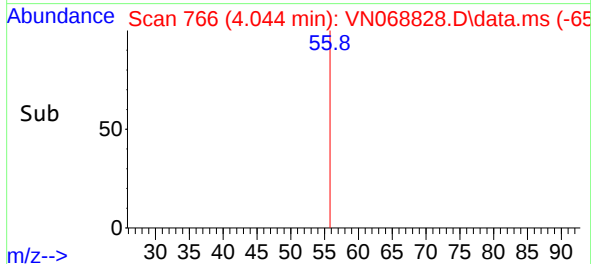
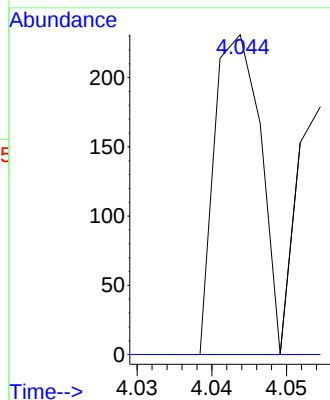
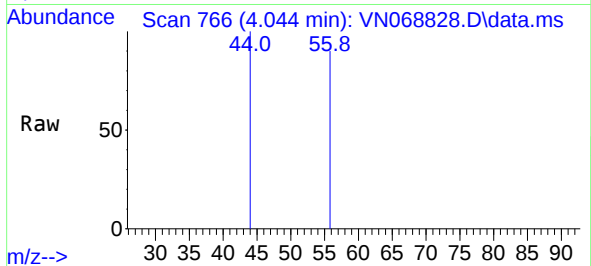




#13
Acrolein
Concen: 0.20 ug/l
RT: 4.044 min Scan# 766
Delta R.T. 0.003 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

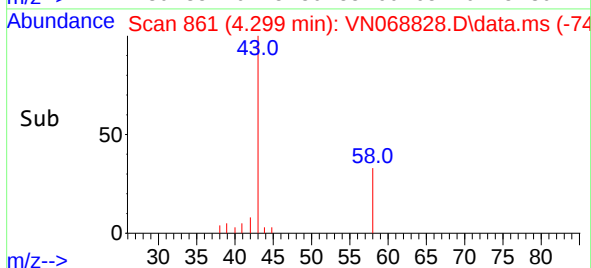
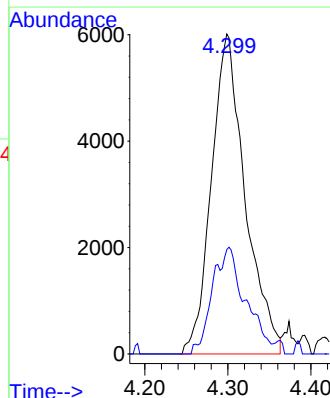
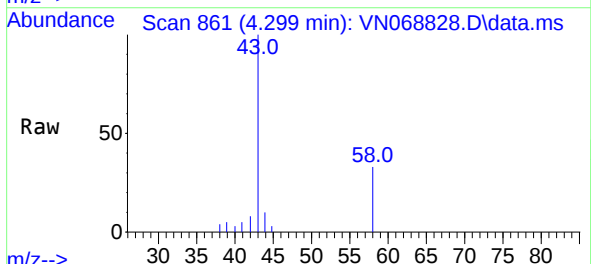
Instrument :
MSVOA_N
ClientSampled :
PB139646TB

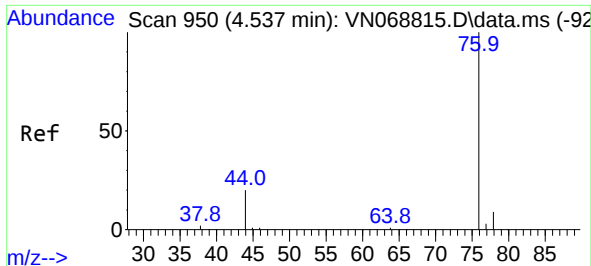
Tgt Ion: 56 Resp: 99
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#



#16
Acetone
Concen: Below Cal
RT: 4.299 min Scan# 861
Delta R.T. 0.014 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

Tgt Ion: 43 Resp: 16970
Ion Ratio Lower Upper
43 100
58 32.6 21.2 31.8#

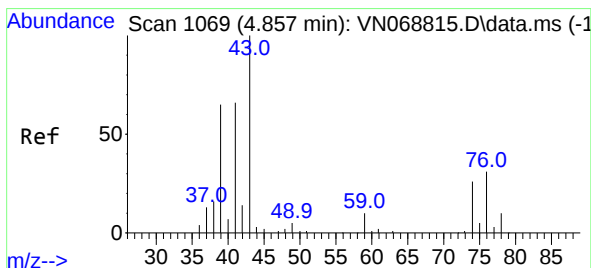
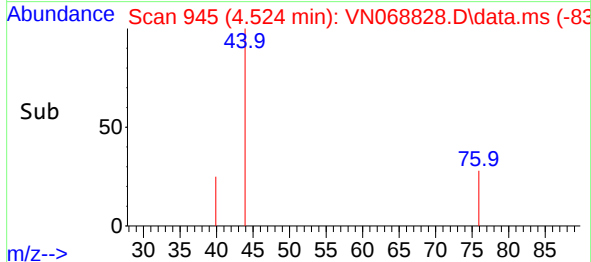
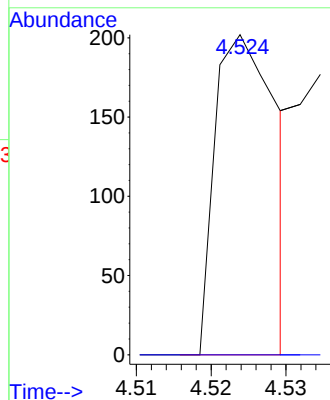
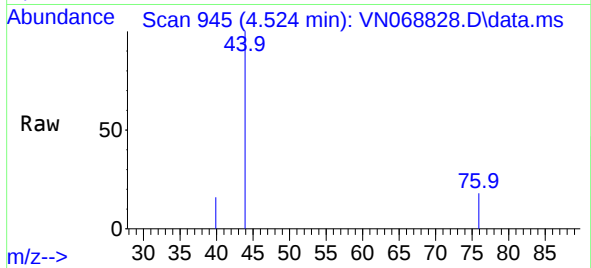




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.524 min Scan# 945
Delta R.T. -0.013 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

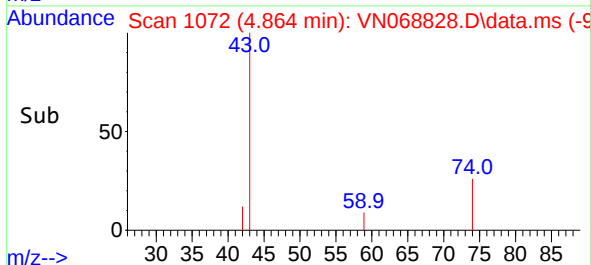
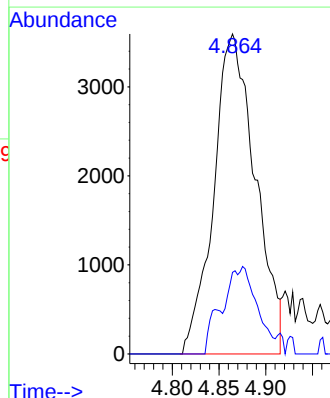
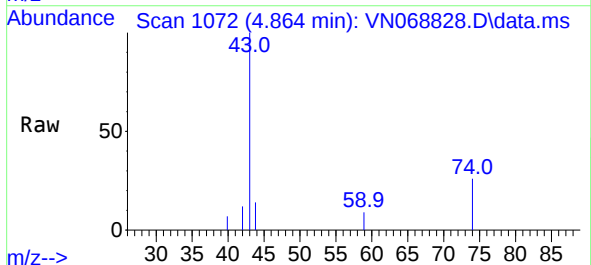
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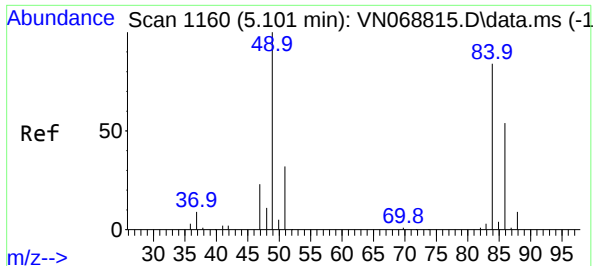
Tgt Ion: 76 Resp: 115
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#18
Methyl Acetate
Concen: 1.48 ug/l
RT: 4.864 min Scan# 1072
Delta R.T. 0.007 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

Tgt Ion: 43 Resp: 11122
Ion Ratio Lower Upper
43 100
74 2.8 17.4 26.0#



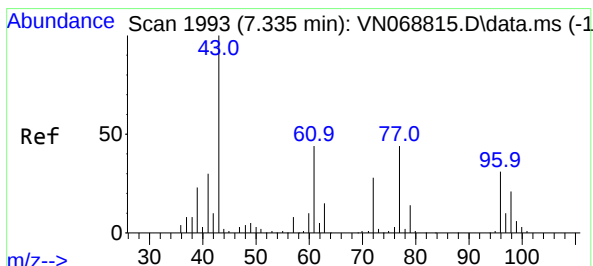
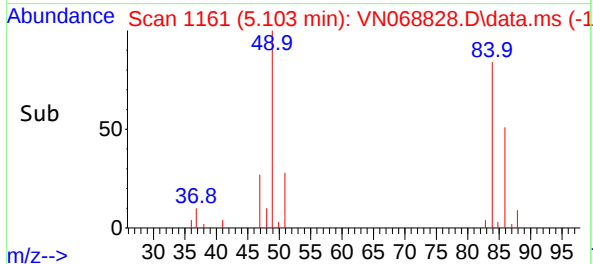
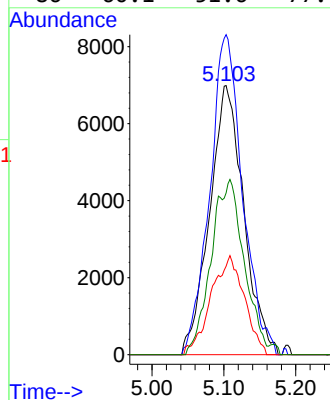
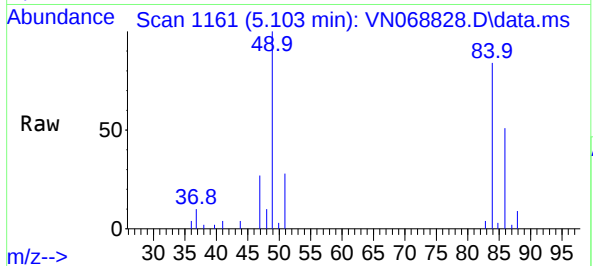


#20
Methylene Chloride
Concen: 1.65 ug/l
RT: 5.103 min Scan# 1161
Delta R.T. 0.002 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

Instrument :
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ClientSampled :
PB139646TB

Tgt Ion: 84 Resp: 23066

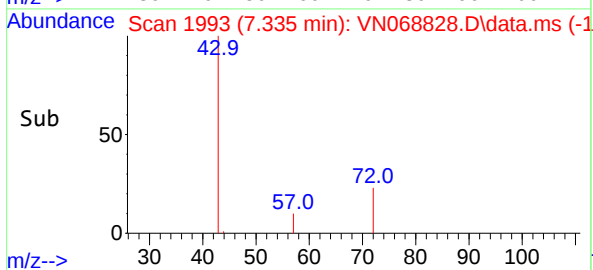
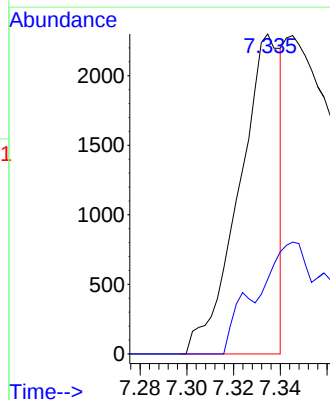
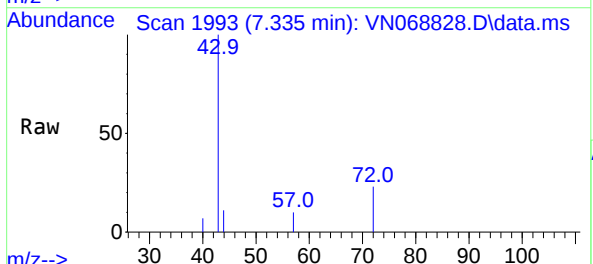
Ion	Ratio	Lower	Upper
84	100		
49	118.9	110.9	166.3
51	32.9	32.6	49.0
86	60.1	51.6	77.4

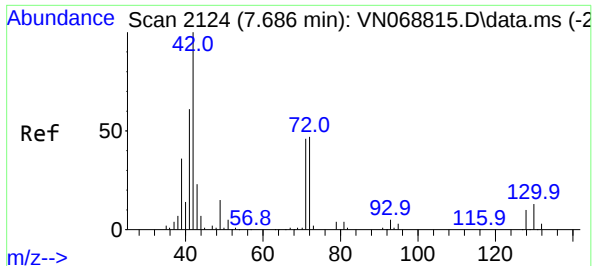


#25
2-Butanone
Concen: 0.81 ug/l
RT: 7.335 min Scan# 1993
Delta R.T. -0.000 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

Tgt Ion: 43 Resp: 2819

Ion	Ratio	Lower	Upper
43	100		
72	23.3	19.7	29.5



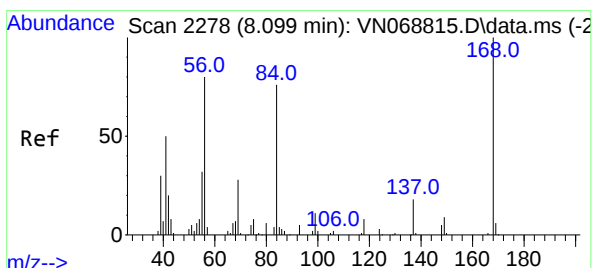
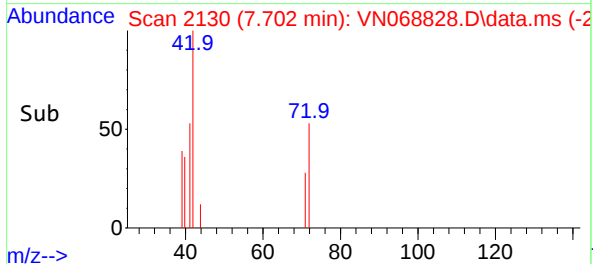
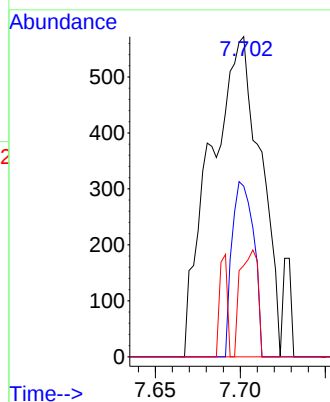
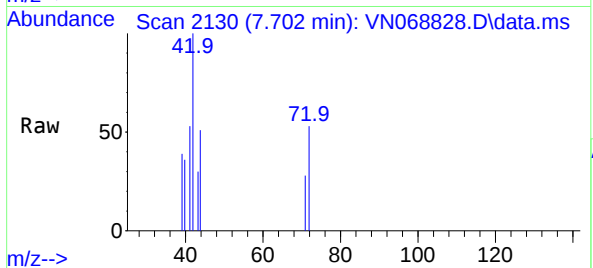


#29
Tetrahydrofuran
Concen: 0.55 ug/l
RT: 7.702 min Scan# 2130
Delta R.T. 0.016 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

Instrument :
MSVOA_N
ClientSampled :
PB139646TB

Tgt Ion: 42 Resp: 1168

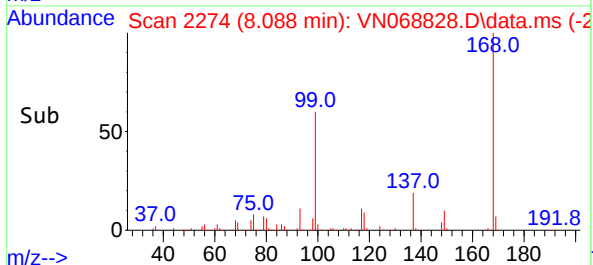
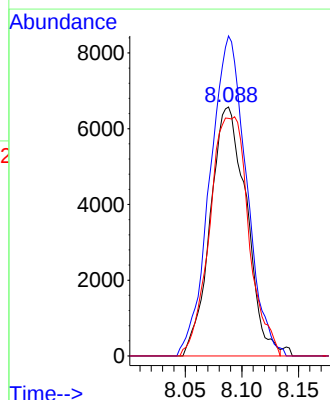
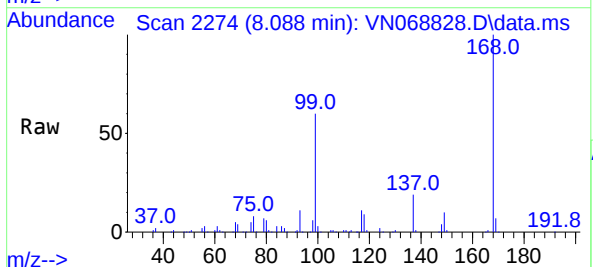
Ion	Ratio	Lower	Upper
42	100		
72	23.7	32.8	49.2#
71	11.7	31.2	46.8#

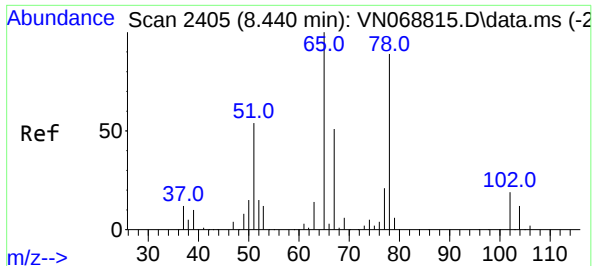


#31
Cyclohexane
Concen: Below Cal
RT: 8.088 min Scan# 2274
Delta R.T. -0.011 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

Tgt Ion: 56 Resp: 14583

Ion	Ratio	Lower	Upper
56	100		
69	125.5	27.3	40.9#
84	95.4	64.9	97.3



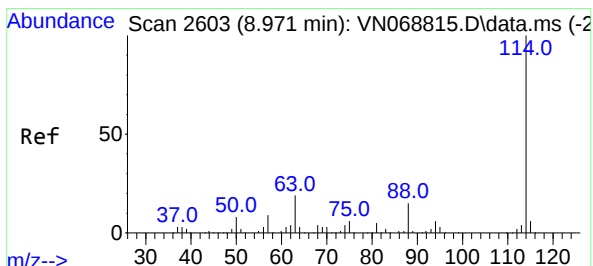
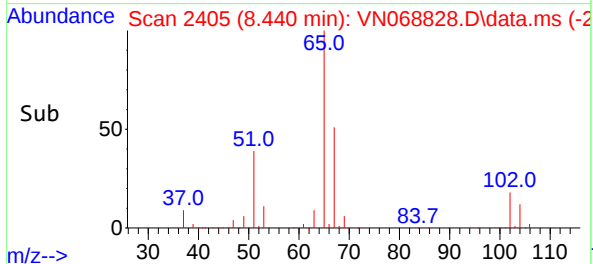
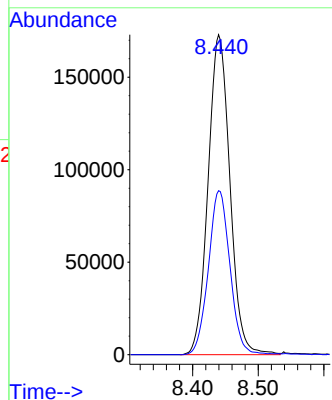
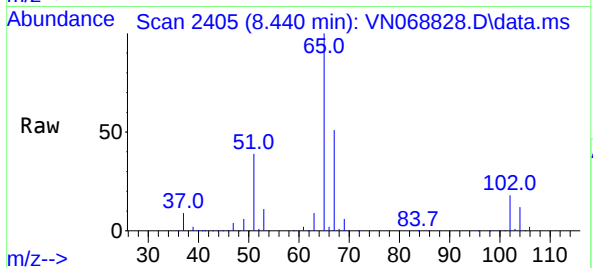


#33

1,2-Dichloroethane-d4
Concen: 52.66 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

Instrument :
MSVOA_N
ClientSampled :
PB139646TB

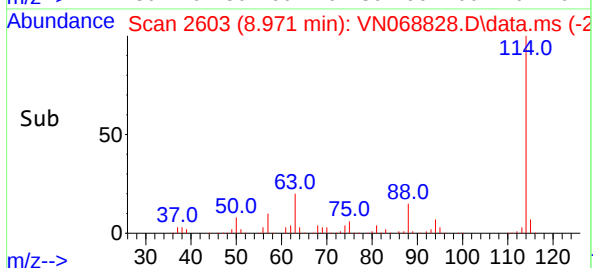
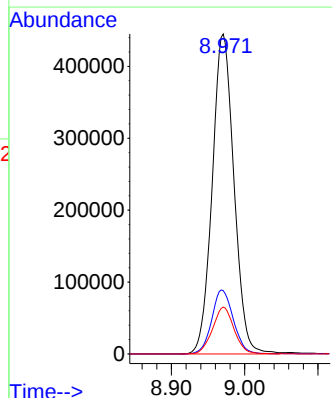
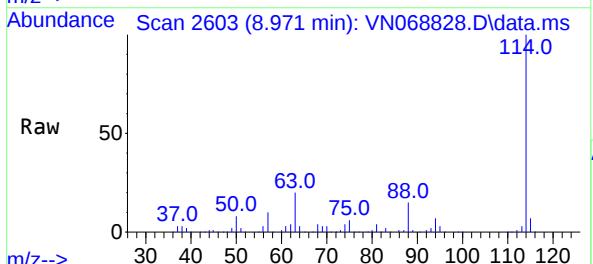
Tgt Ion: 65 Resp: 399506
Ion Ratio Lower Upper
65 100
67 50.8 0.0 98.6

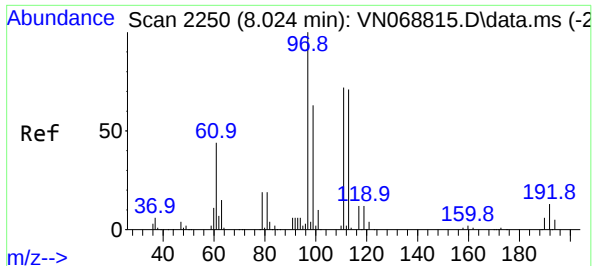


#34

1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

Tgt Ion: 114 Resp: 916442
Ion Ratio Lower Upper
114 100
63 19.8 0.0 49.0
88 14.6 0.0 36.6

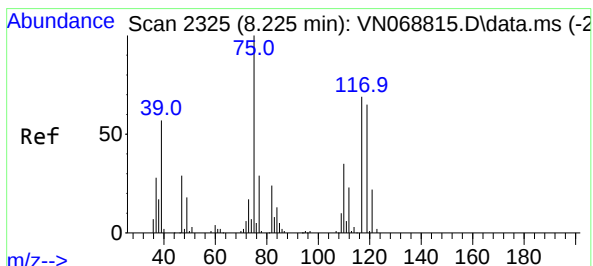
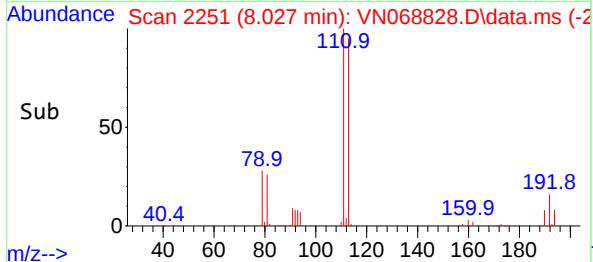
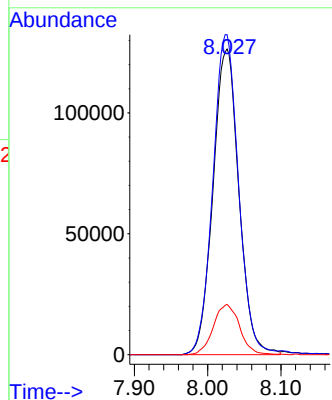
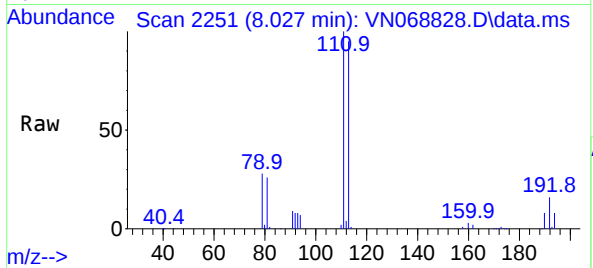




#35
Dibromofluoromethane
Concen: 51.57 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.003 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

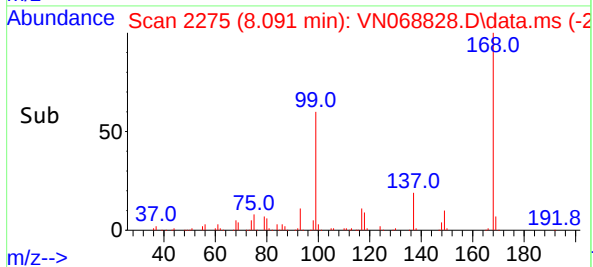
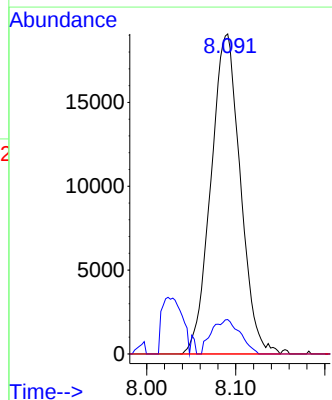
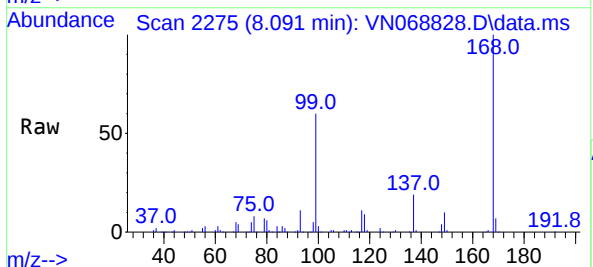
Instrument :
MSVOA_N
ClientSampleId :
PB139646TB

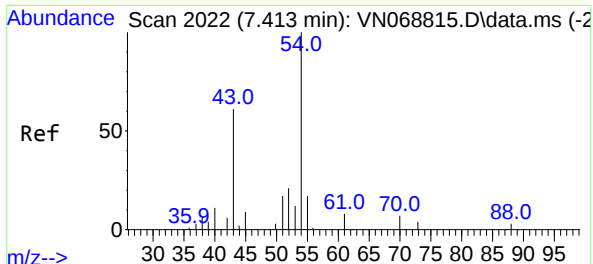
Tgt Ion:113 Resp: 310445
Ion Ratio Lower Upper
113 100
111 103.5 83.8 125.8
192 16.7 13.4 20.0



#36
1,1-Dichloropropene
Concen: 6.05 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.134 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

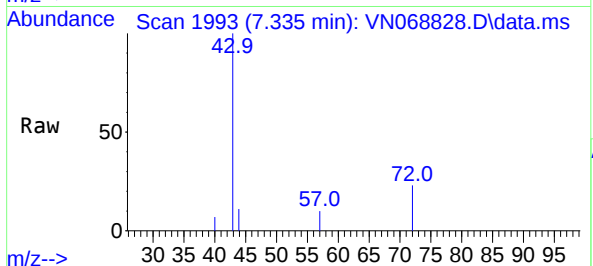
Tgt Ion: 75 Resp: 43812
Ion Ratio Lower Upper
75 100
110 10.5 15.7 47.0#
77 0.0 24.6 37.0#





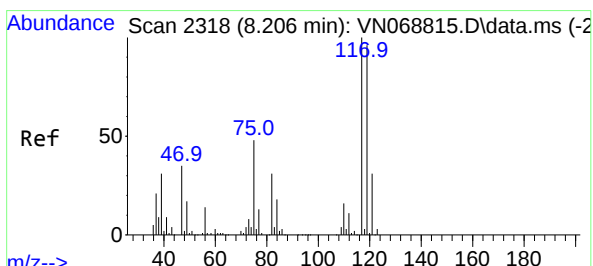
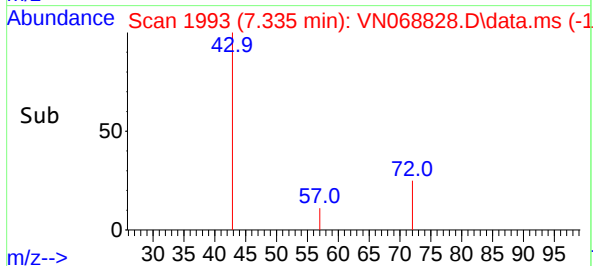
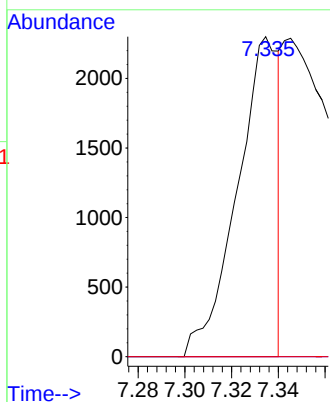
#37
Ethyl Acetate
Concen: 0.41 ug/l
RT: 7.335 min Scan# 1993
Delta R.T. -0.078 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

Instrument :
MSVOA_N
ClientSampleId :
PB139646TB



Tgt Ion: 43 Resp: 2819

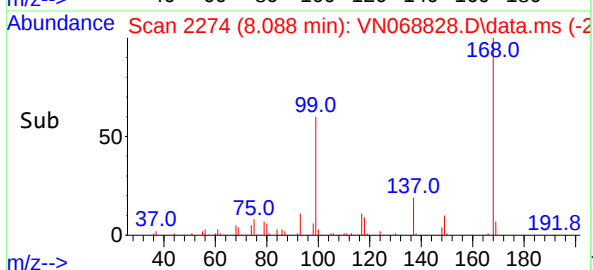
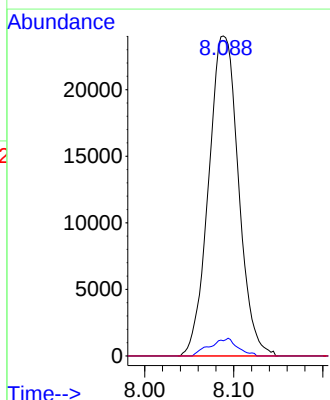
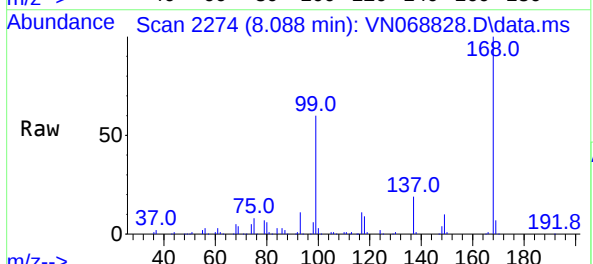
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.1	12.1#

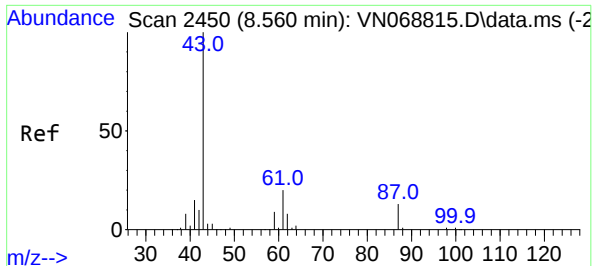


#38
Carbon Tetrachloride
Concen: 6.43 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

Tgt Ion: 117 Resp: 56133

Ion	Ratio	Lower	Upper
117	100		
119	4.8	75.4	113.2#
121	0.0	23.5	35.3#

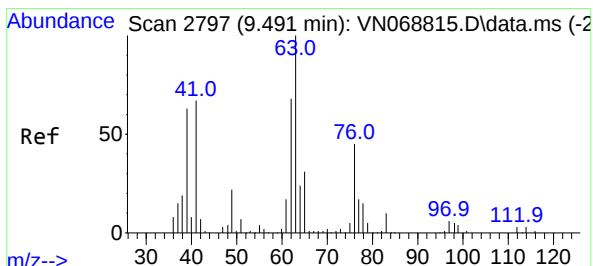
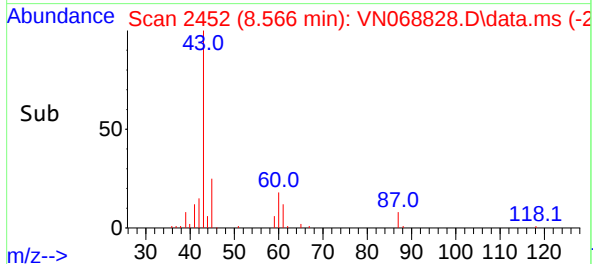
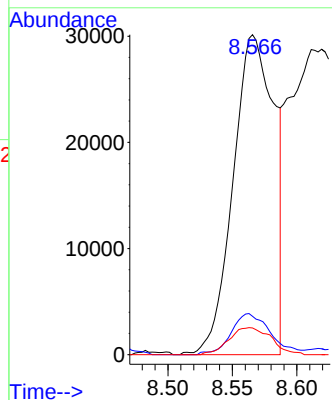
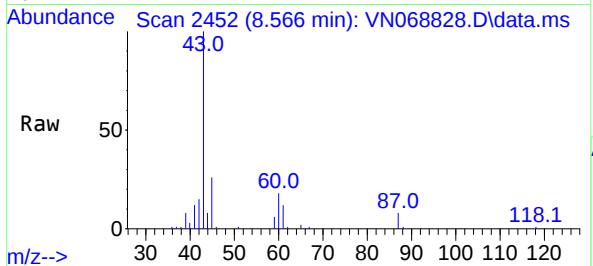




#43
Isopropyl Acetate
Concen: 5.33 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. 0.006 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

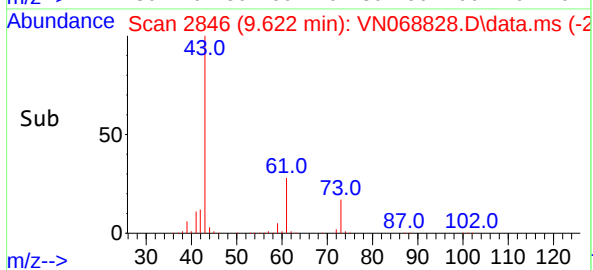
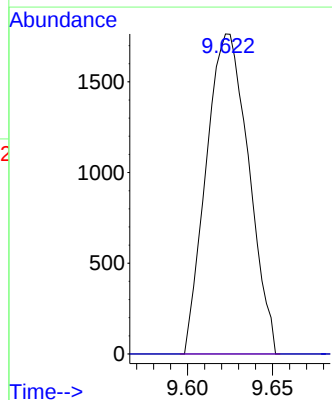
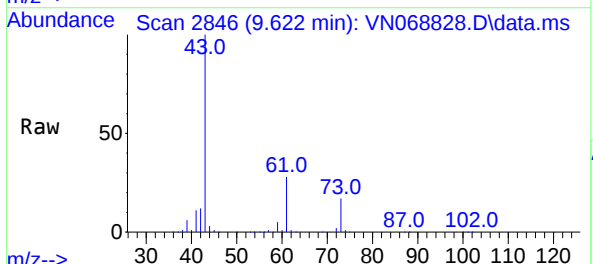
Instrument :
MSVOA_N
ClientSampleId :
PB139646TB

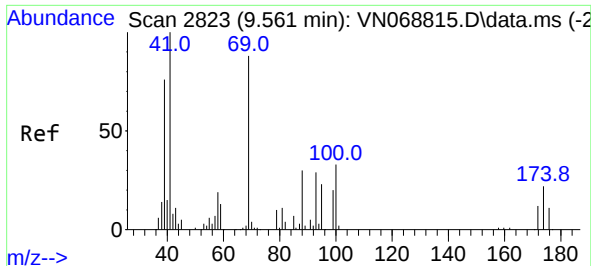
Tgt Ion: 43 Resp: 66988
Ion Ratio Lower Upper
43 100
61 12.3 19.0 28.4#
87 8.7 9.5 14.3#



#45
1,2-Dichloropropane
Concen: 0.52 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.131 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

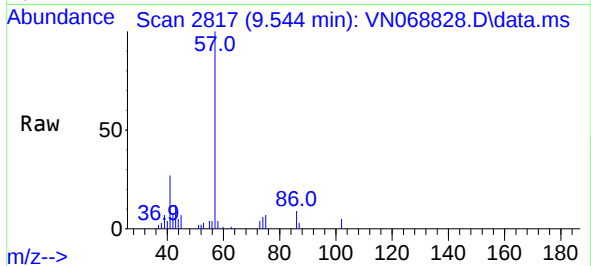
Tgt Ion: 63 Resp: 3067
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



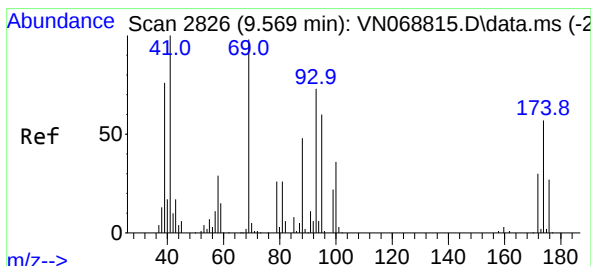
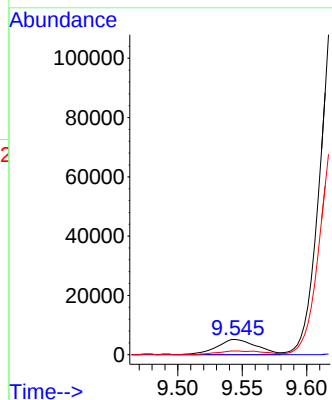
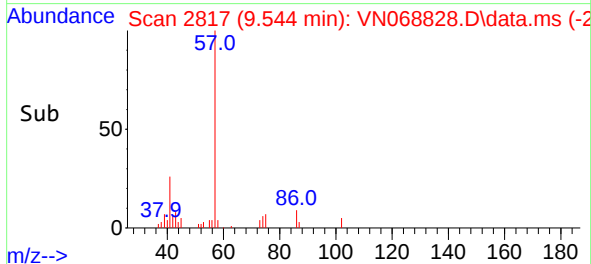


#48
Methyl methacrylate
Concen: 2.07 ug/l
RT: 9.544 min Scan# 2817
Delta R.T. -0.017 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

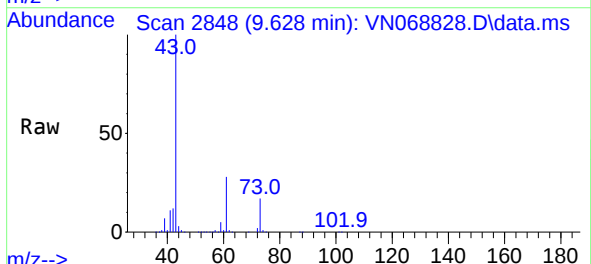
Instrument :
MSVOA_N
ClientSampleId :
PB139646TB



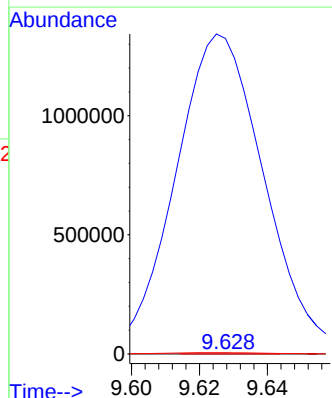
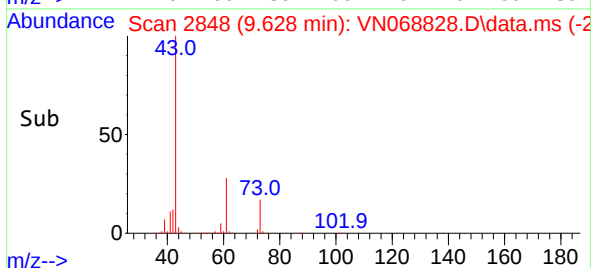
Tgt Ion: 41 Resp: 11117
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

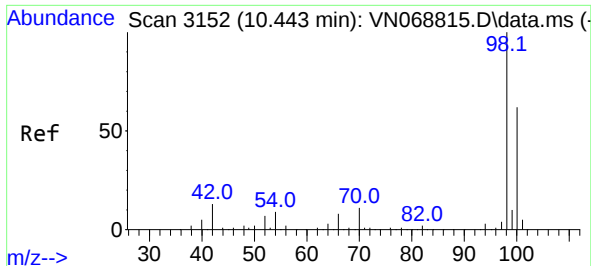


#49
1,4-Dioxane
Concen: 2.46 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.059 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31



Tgt Ion: 88 Resp: 288
Ion Ratio Lower Upper
88 100
43 872103.5 28.8 43.2#
58 3945.8 60.4 90.6#

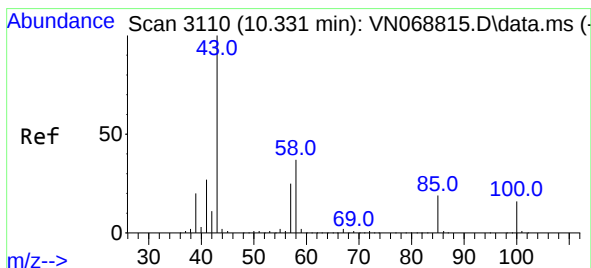
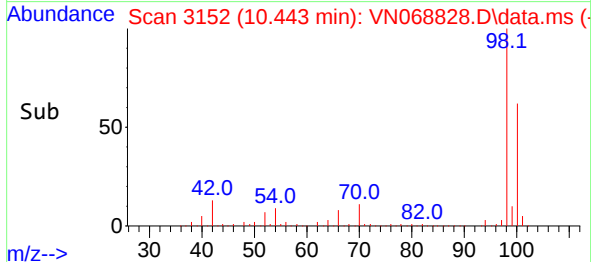
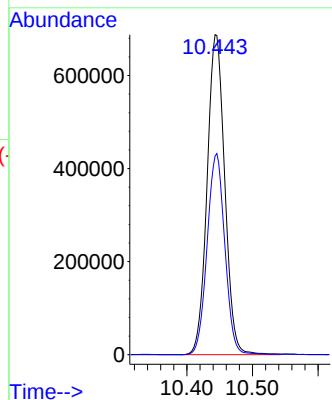
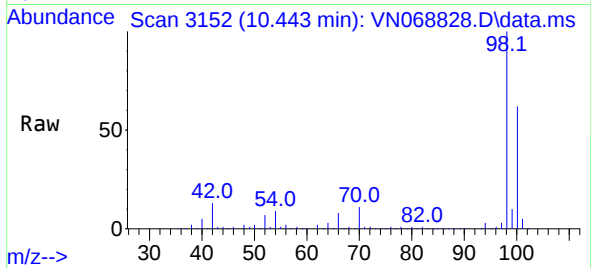




#50
Toluene-d8
Concen: 54.74 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

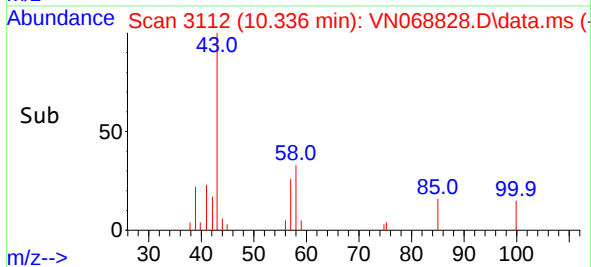
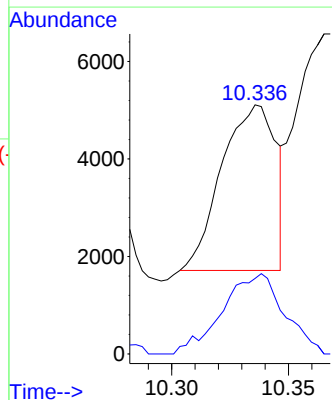
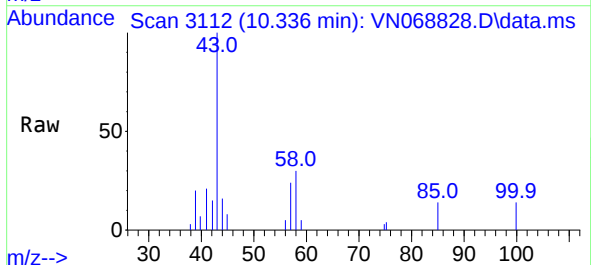
Instrument :
MSVOA_N
ClientSampleId :
PB139646TB

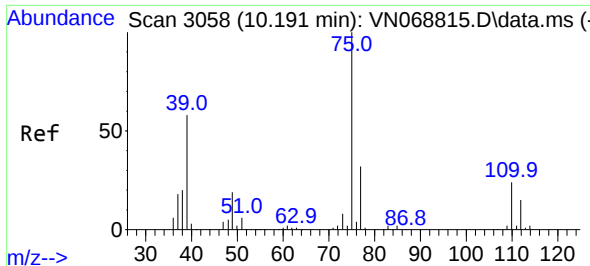
Tgt Ion: 98 Resp: 1285154
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.68 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.005 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

Tgt Ion: 43 Resp: 5482
Ion Ratio Lower Upper
43 100
58 55.1 28.6 43.0#

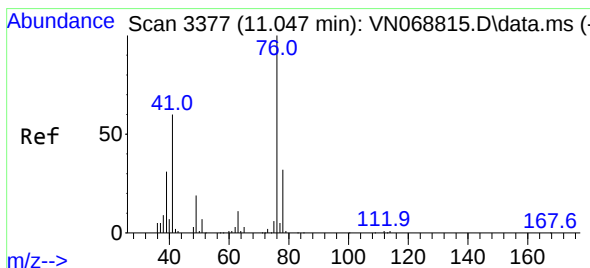
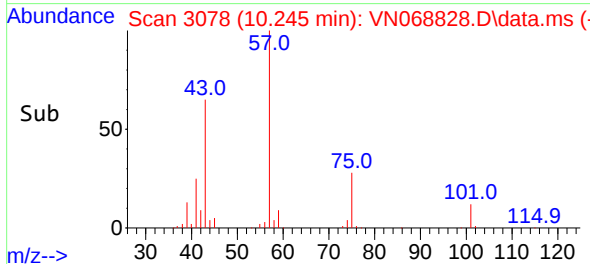
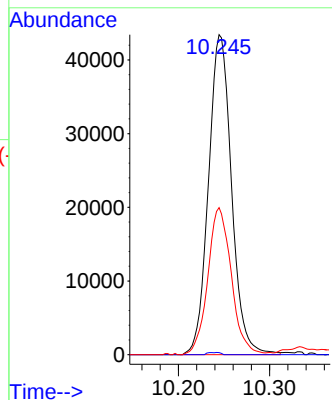
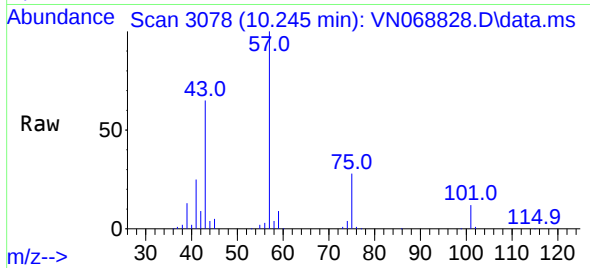




#54
cis-1,3-Dichloropropene
Concen: 7.93 ug/l
RT: 10.245 min Scan# 3078
Delta R.T. 0.053 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

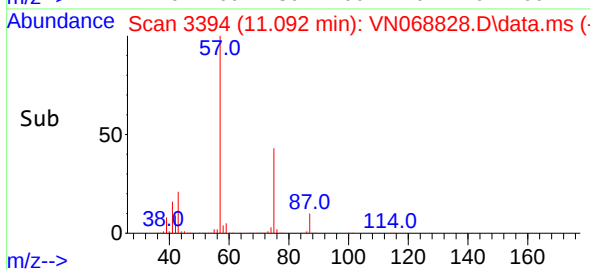
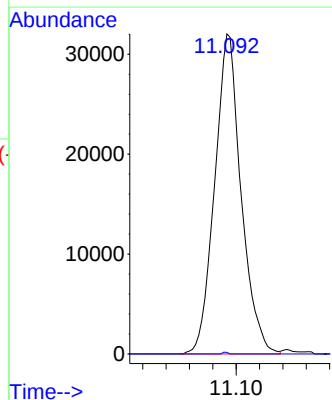
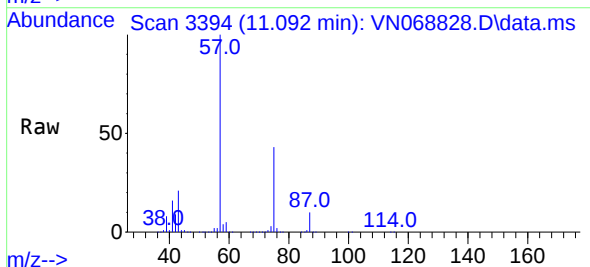
Instrument :
MSVOA_N
ClientSampleId :
PB139646TB

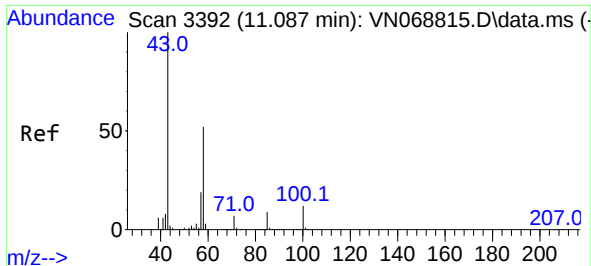
Tgt Ion: 75 Resp: 76365
Ion Ratio Lower Upper
75 100
77 0.6 24.6 37.0#
39 45.9 50.7 76.1#



#57
1,3-Dichloropropane
Concen: 4.93 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.045 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

Tgt Ion: 76 Resp: 50239
Ion Ratio Lower Upper
76 100
78 0.1 25.7 38.5#

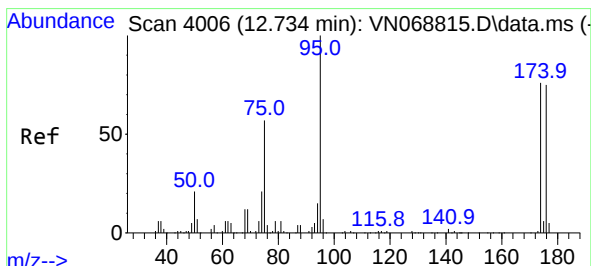
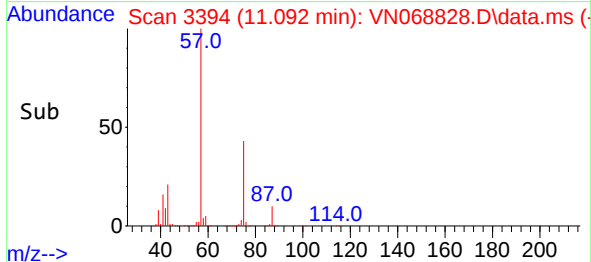
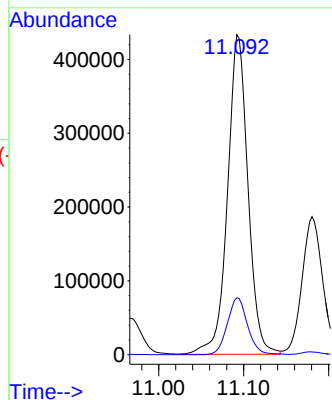
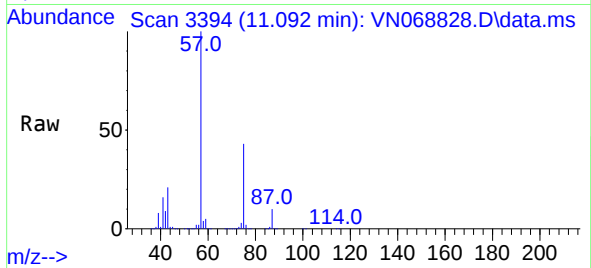




#59
2-Hexanone
Concen: 125.34 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

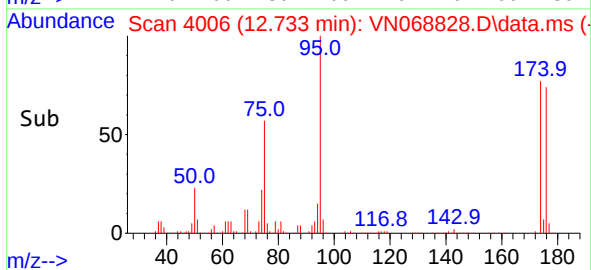
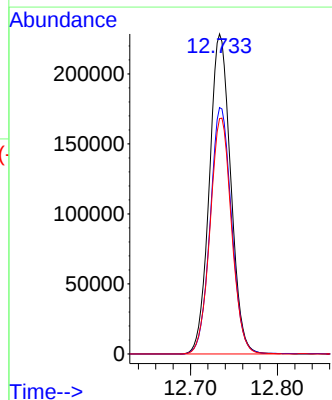
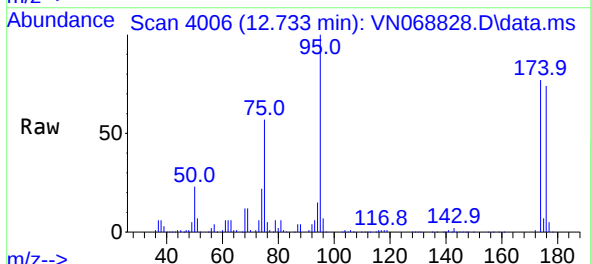
Instrument :
MSVOA_N
ClientSampled :
PB139646TB

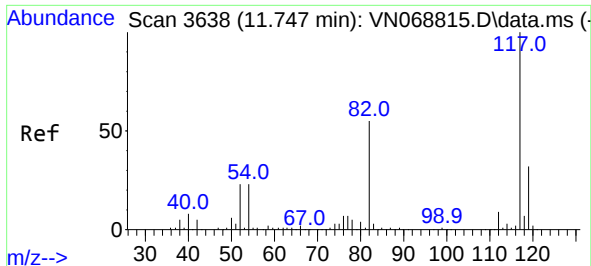
Tgt Ion: 43 Resp: 723658
Ion Ratio Lower Upper
43 100
58 17.6 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 44.45 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

Tgt Ion: 95 Resp: 389179
Ion Ratio Lower Upper
95 100
174 77.3 0.0 122.0
176 74.2 0.0 117.6

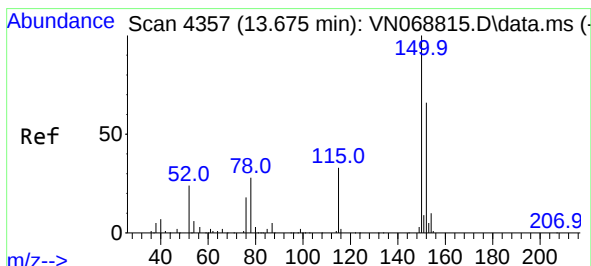
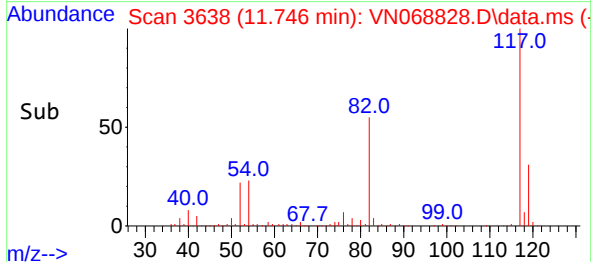
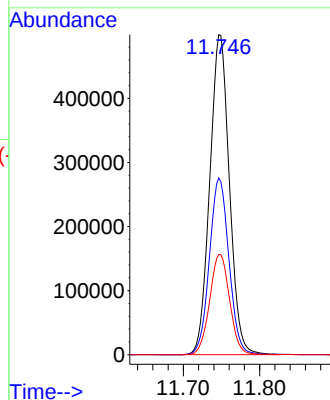
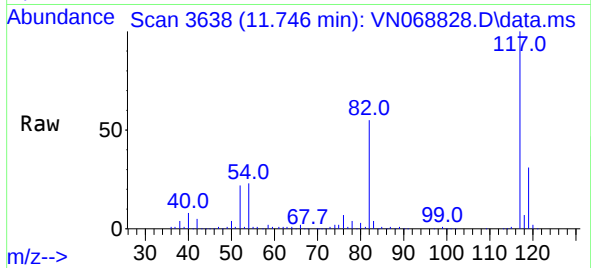




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

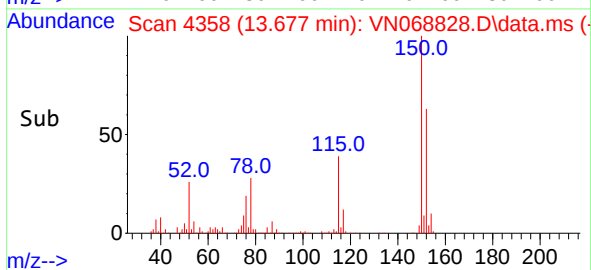
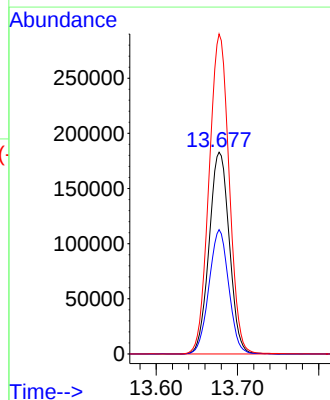
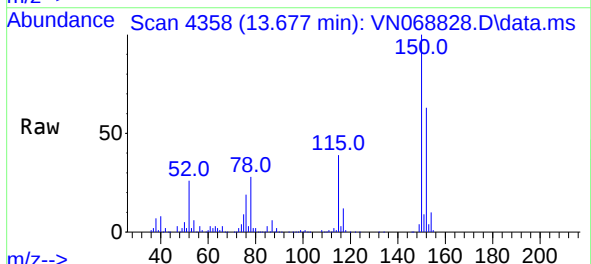
Instrument :
MSVOA_N
ClientSampleId :
PB139646TB

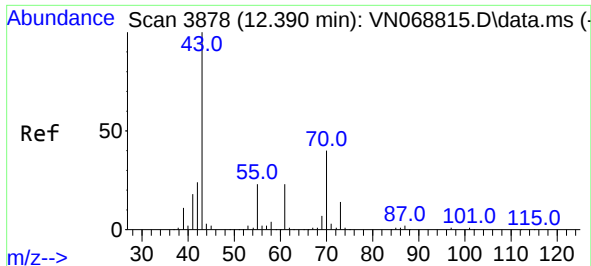
Tgt Ion:117 Resp: 891621
Ion Ratio Lower Upper
117 100
82 55.2 53.1 79.7
119 31.3 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.002 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

Tgt Ion:152 Resp: 315669
Ion Ratio Lower Upper
152 100
115 60.3 36.1 108.5
150 157.8 0.0 351.8

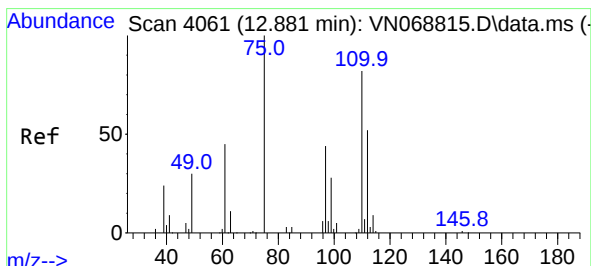
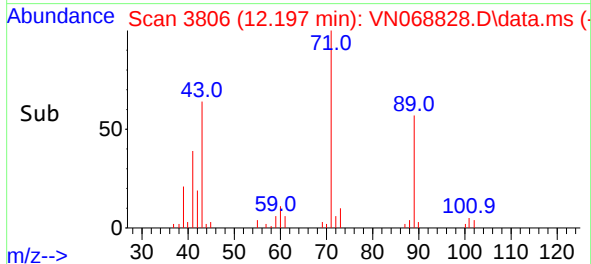
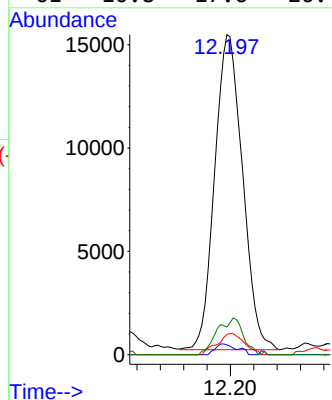
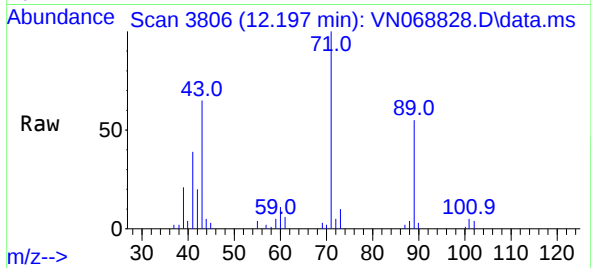




#74
N-amy1 acetate
Concen: 2.99 ug/l
RT: 12.197 min Scan# 3806
Delta R.T. -0.193 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

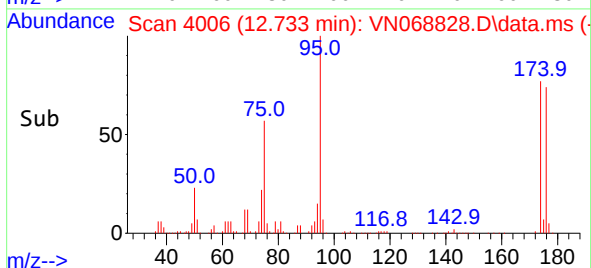
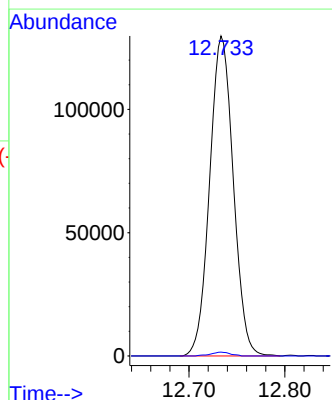
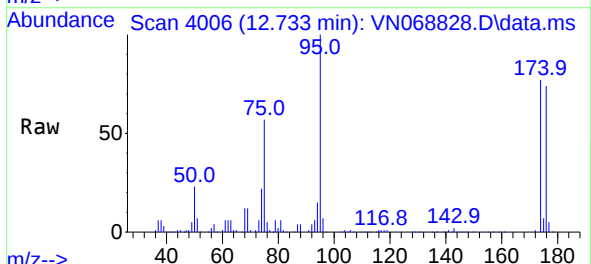
Instrument :
MSVOA_N
ClientSampleId :
PB139646TB

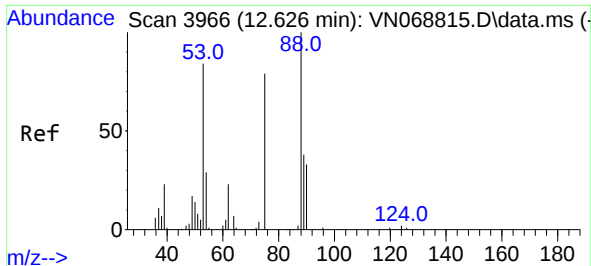
Tgt Ion: 43	Resp: 25260
Ion Ratio	Lower Upper
43 100	
70 2.6	29.4 44.2#
55 6.5	17.0 25.4#
61 10.8	17.6 26.4#



#76
1,2,3-Trichloropropane
Concen: 35.69 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.148 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

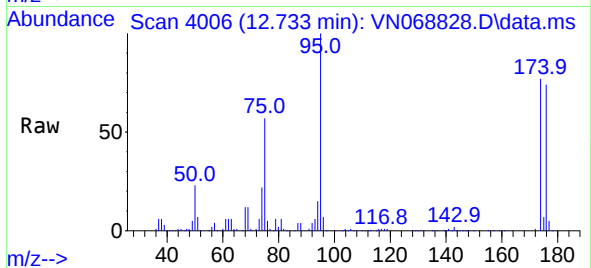
Tgt Ion: 75	Resp: 222063
Ion Ratio	Lower Upper
75 100	
77 1.0	0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 103.38 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.107 min
Lab File: VN068828.D
Acq: 6 Oct 2021 19:31

Instrument :
MSVOA_N
ClientSampleId :
PB139646TB



Tgt Ion: 75 Resp: 222063
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

