

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082321\
 Data File : VN068273.D
 Acq On : 23 Aug 2021 16:58
 Operator : JC/MD
 Sample : PB138622ZHE#05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB138622ZHE#05

Quant Time: Aug 24 03:55:03 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081721W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 17 13:09:49 2021
 Response via : Initial Calibration

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

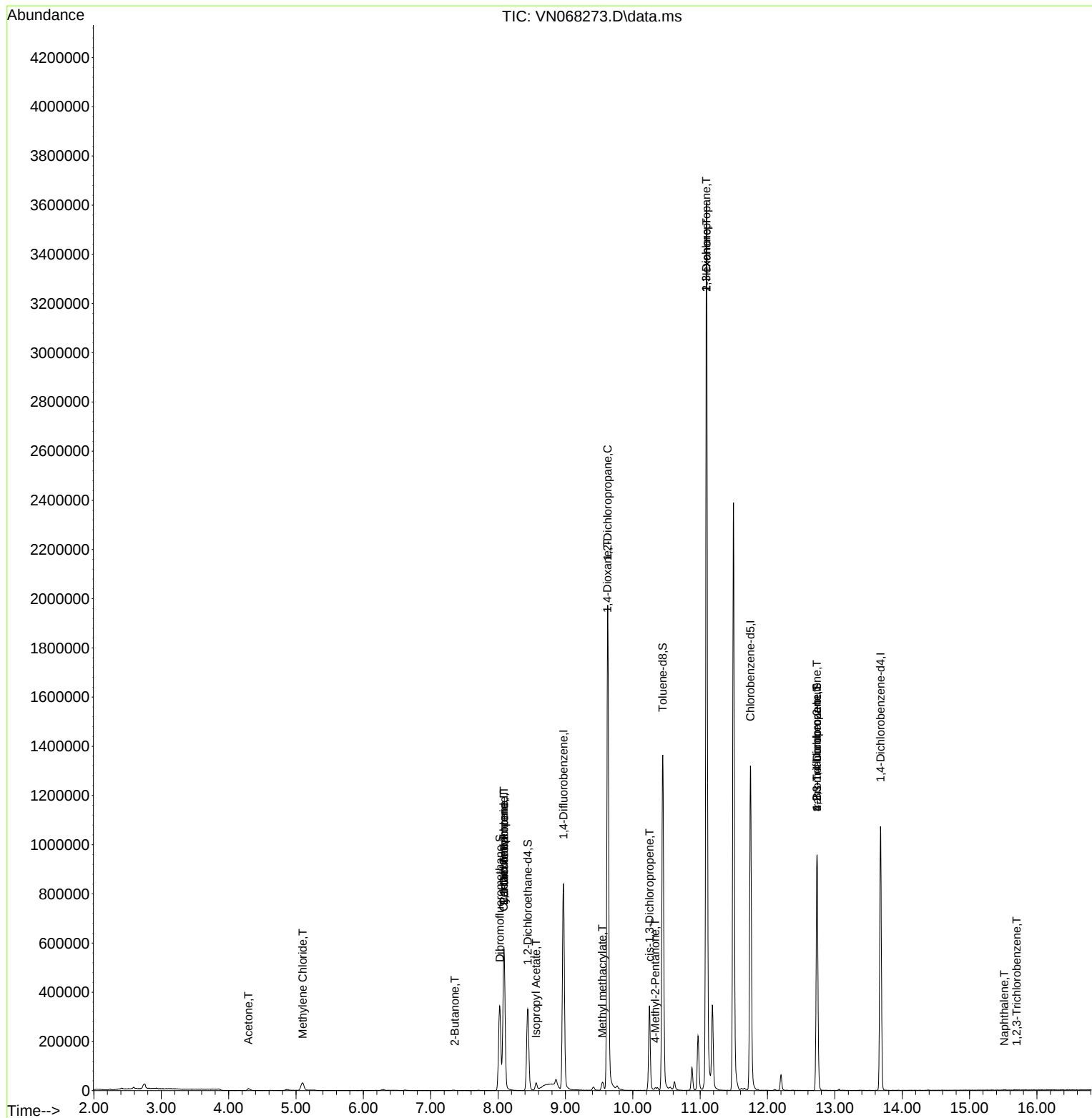
Internal Standards						
1) Pentafluorobenzene	8.088	168	485052	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	817078	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	871925	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	318296	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	282270	54.503	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 109.000%			
35) Dibromofluoromethane	8.027	113	252031	49.130	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.260%			
50) Toluene-d8	10.443	98	1028689	52.628	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.260%			
62) 4-Bromofluorobenzene	12.734	95	335266	51.524	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 103.040%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.832	94	127	Below Cal	#	4
6) Chloroethane	3.028	64	25	Below Cal	#	44
13) Acrolein	4.036	56	24	Below Cal	#	14
16) Acetone	4.293	43	14998	9.919	ug/l	98
18) Methyl Acetate	4.859	43	3764	Below Cal		97
20) Methylene Chloride	5.101	84	27142	4.555	ug/l	# 78
25) 2-Butanone	7.356	43	1602	0.680	ug/l	99
31) Cyclohexane	8.083	56	8070	1.183	ug/l	# 1
36) 1,1-Dichloropropene	8.088	75	31659	4.740	ug/l	# 52
38) Carbon Tetrachloride	8.088	117	44848	5.822	ug/l	# 17
43) Isopropyl Acetate	8.566	43	36642	4.020	ug/l	# 90
45) 1,2-Dichloropropane	9.628	63	2938	0.613	ug/l	# 44
48) Methyl methacrylate	9.547	41	8209	2.161	ug/l	# 12
49) 1,4-Dioxane	9.622	88	338	3.682	ug/l	# 1
51) 4-Methyl-2-Pentanone	10.336	43	4835	0.864	ug/l	# 74
54) cis-1,3-Dichloropropene	10.247	75	66534	8.601	ug/l	# 55
57) 1,3-Dichloropropane	11.092	76	41049	4.799	ug/l	# 43
59) 2-Hexanone	11.095	43	503283	129.453	ug/l	# 58
76) 1,2,3-Trichloropropane	12.734	75	164860	31.162	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	164860	102.092	ug/l	# 6
95) Naphthalene	15.515	128	722	3.398	ug/l	# 77
96) 1,2,3-Trichlorobenzene	15.700	180	165	2.862	ug/l	# 82

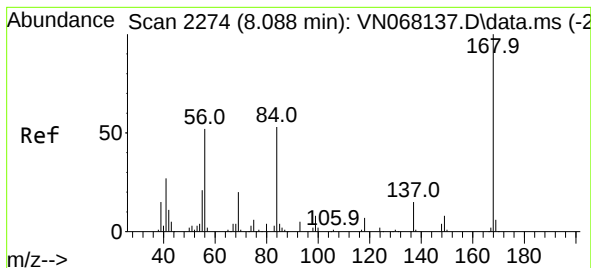
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Aug 17 13:09:49 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068273.D

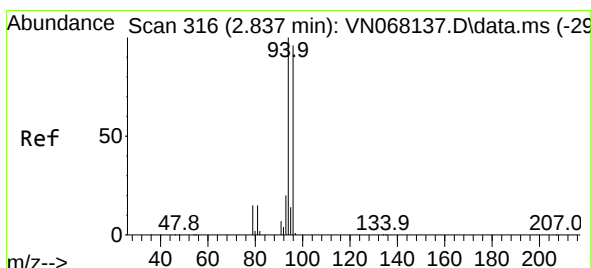
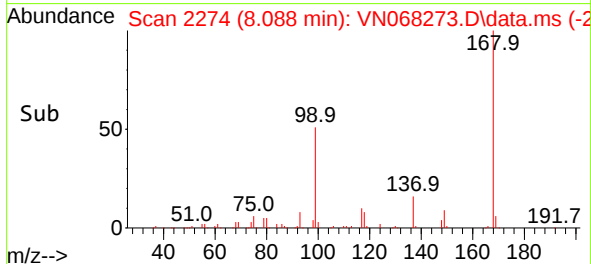
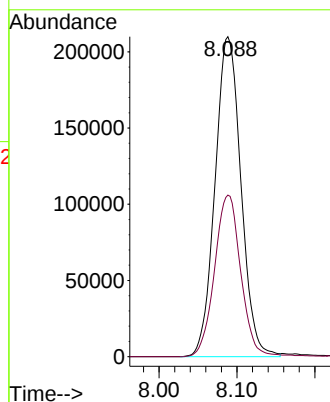
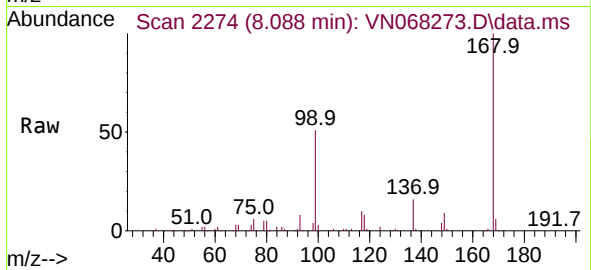
Acq: 23 Aug 2021 16:58

Tgt Ion:168 Resp: 485052

Ion Ratio Lower Upper

168 100

99 50.5 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.832 min Scan# 314

Delta R.T. -0.005 min

Lab File: VN068273.D

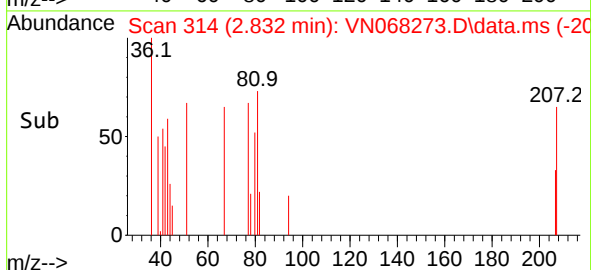
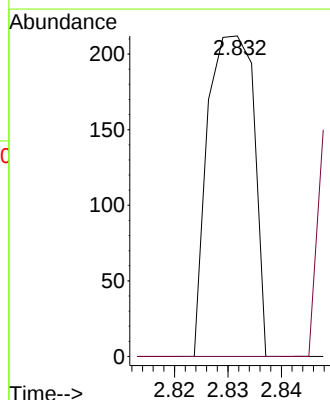
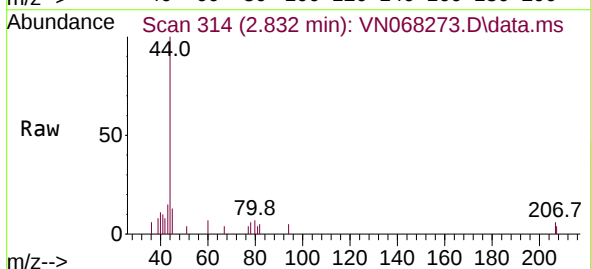
Acq: 23 Aug 2021 16:58

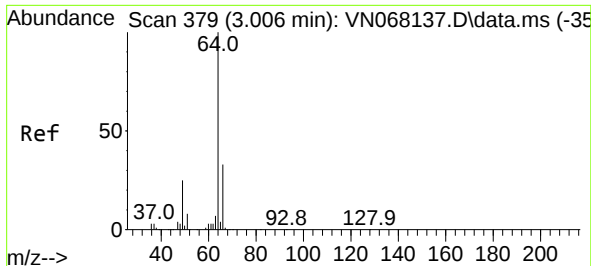
Tgt Ion: 94 Resp: 127

Ion Ratio Lower Upper

94 100

96 0.0 73.7 110.5#

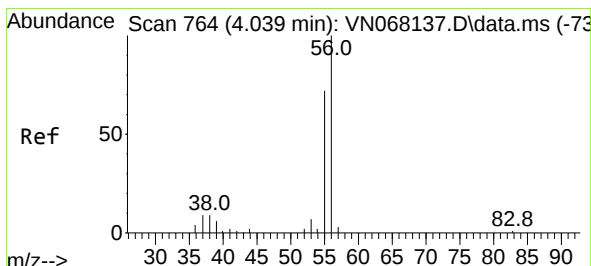
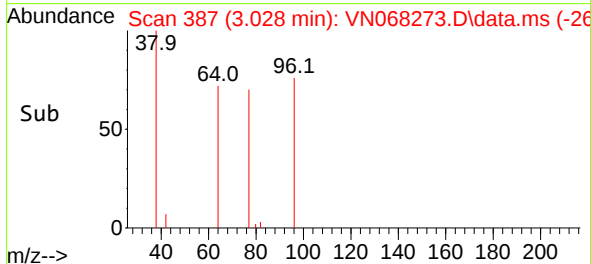
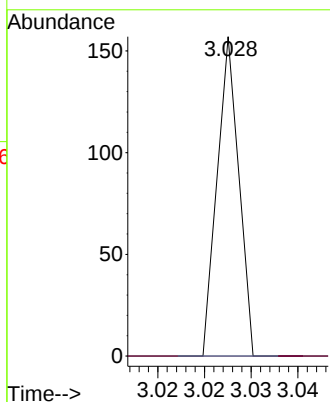
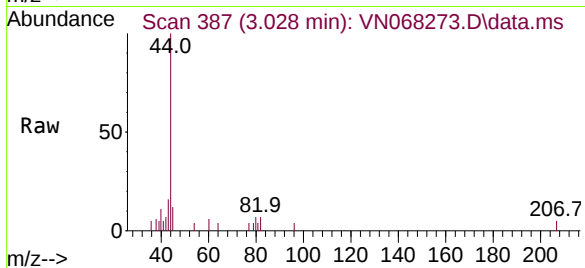




#6
Chloroethane
Concen: Below Cal
RT: 3.028 min Scan# 387
Delta R.T. 0.022 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

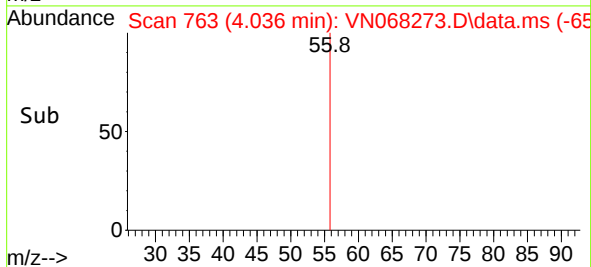
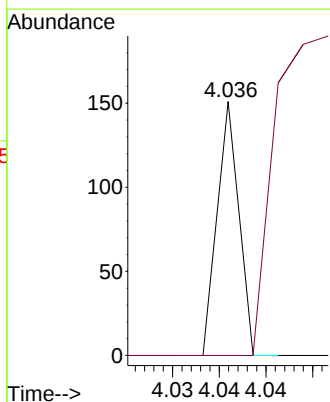
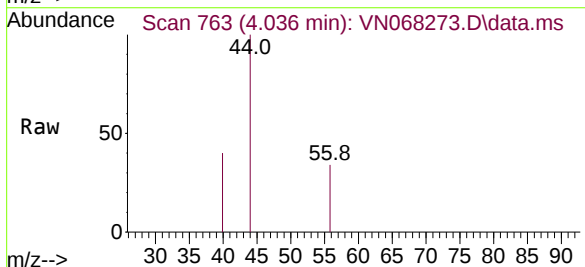
Instrument :
MSVOA_N
ClientSampleId :
PB138622ZHE#05

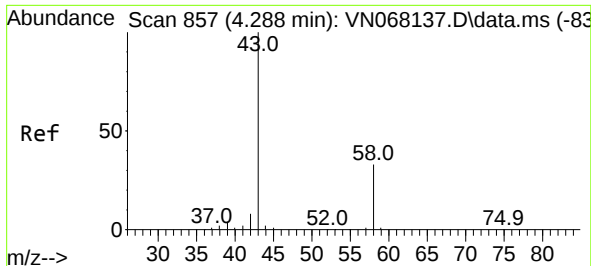
Tgt Ion: 64 Resp: 25
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.036 min Scan# 763
Delta R.T. -0.003 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 0.0 57.4 86.0#

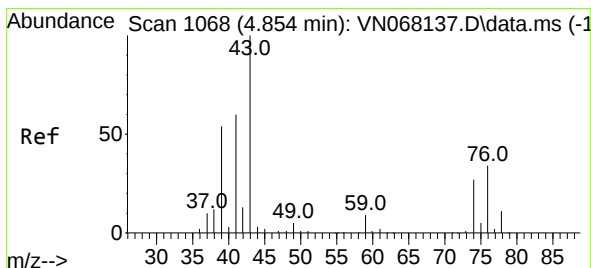
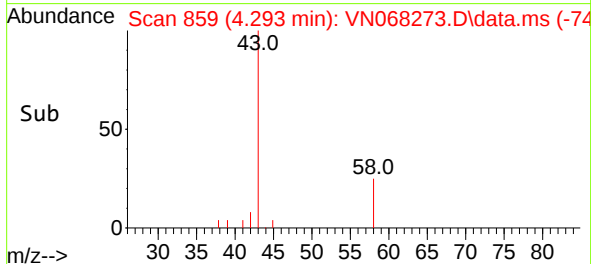
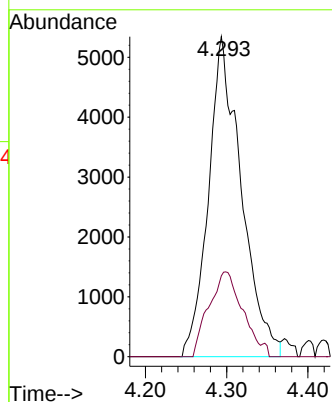
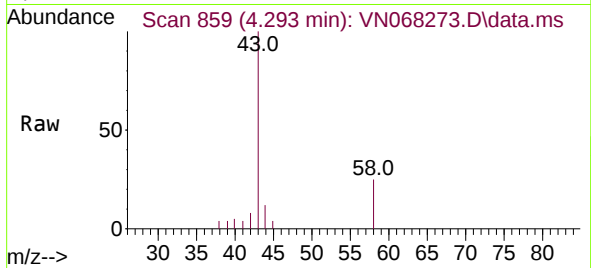




#16
Acetone
Concen: 9.919 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

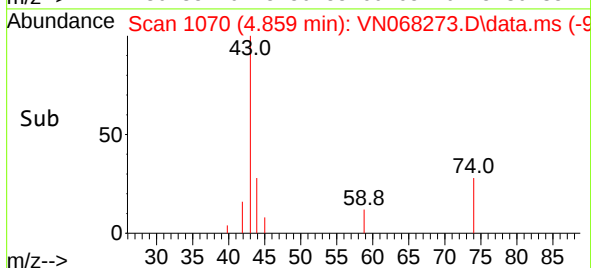
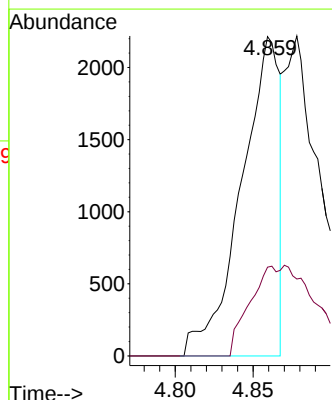
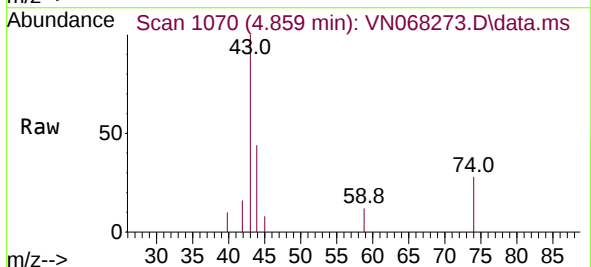
Instrument :
MSVOA_N
ClientSampleId :
PB138622ZHE#05

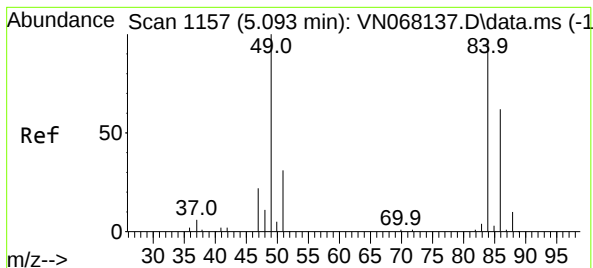
Tgt Ion: 43 Resp: 14998
Ion Ratio Lower Upper
43 100
58 25.3 21.2 31.8



#18
Methyl Acetate
Concen: Below Cal
RT: 4.859 min Scan# 1070
Delta R.T. 0.005 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

Tgt Ion: 43 Resp: 3764
Ion Ratio Lower Upper
43 100
74 20.1 17.4 26.0

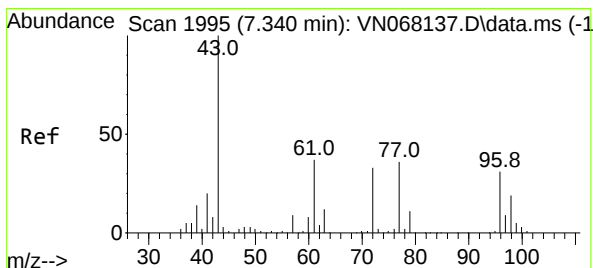
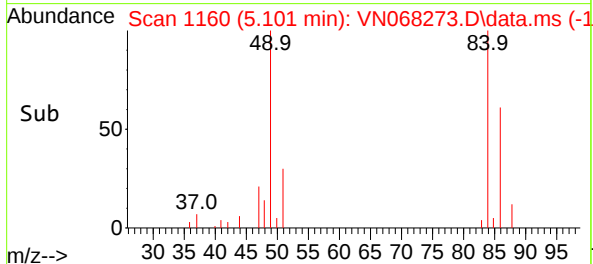
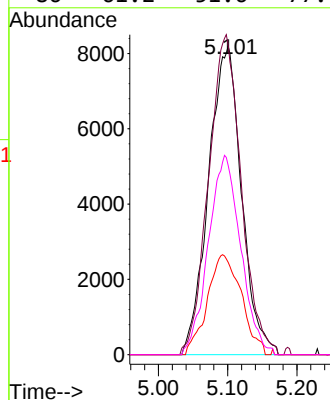
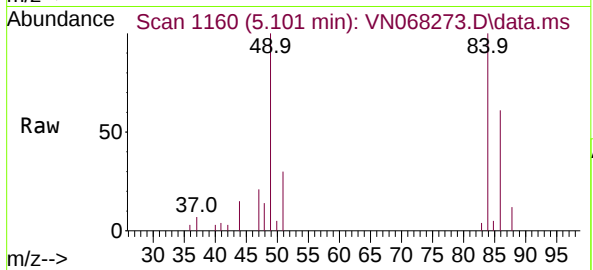




#20
Methylene Chloride
Concen: 4.555 ug/l
RT: 5.101 min Scan# 1160
Delta R.T. 0.008 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

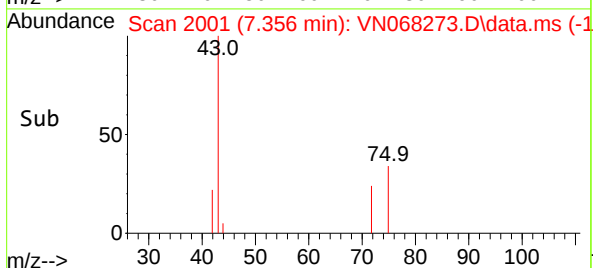
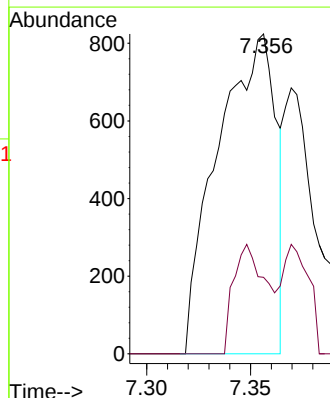
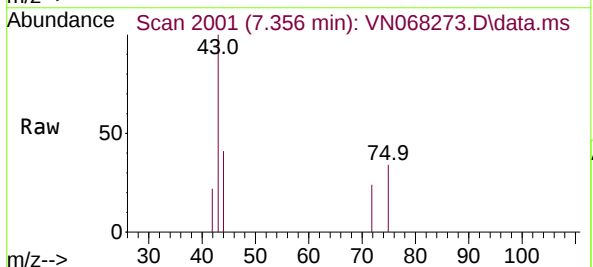
Instrument :
MSVOA_N
ClientSampleId :
PB138622ZHE#05

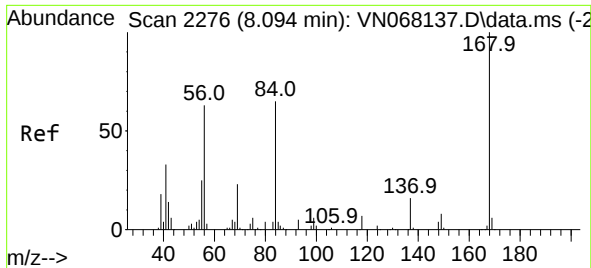
Tgt Ion:	84	Resp:	27142
Ion	Ratio	Lower	Upper
84	100		
49	100.3	110.9	166.3#
51	29.9	32.6	49.0#
86	61.2	51.6	77.4



#25
2-Butanone
Concen: 0.680 ug/l
RT: 7.356 min Scan# 2001
Delta R.T. 0.016 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

Tgt Ion:	43	Resp:	1602
Ion	Ratio	Lower	Upper
43	100		
72	23.9	19.7	29.5

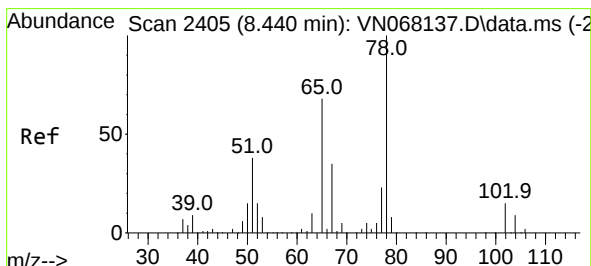
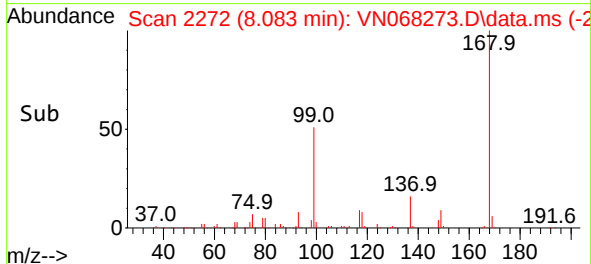
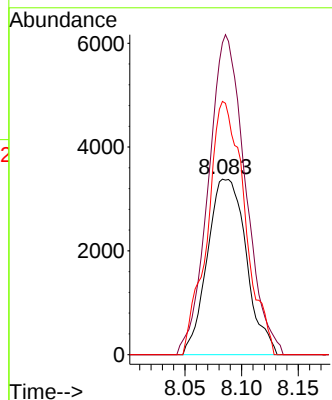
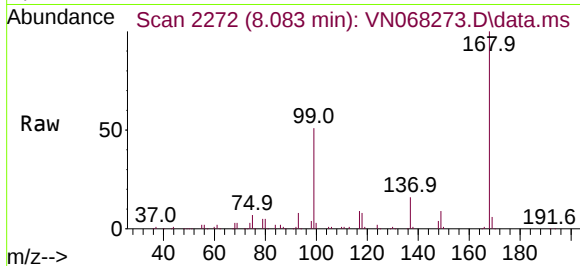




#31
Cyclohexane
Concen: 1.183 ug/l
RT: 8.083 min Scan# 2272
Delta R.T. -0.011 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

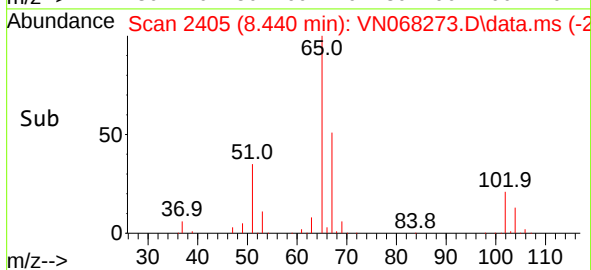
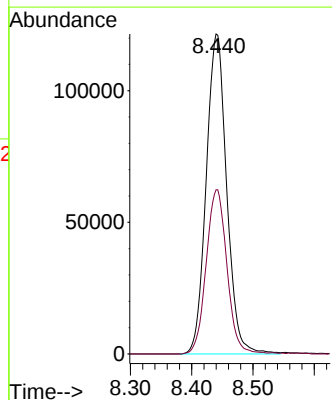
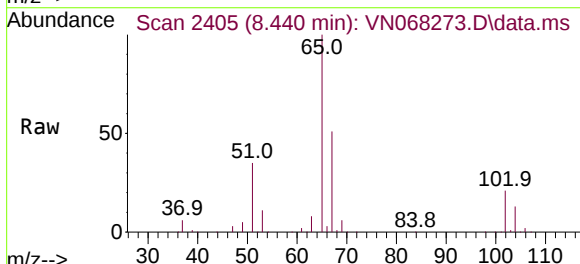
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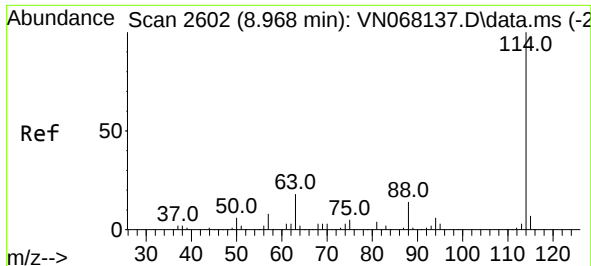
Tgt Ion: 56 Resp: 8070
Ion Ratio Lower Upper
56 100
69 172.3 27.3 40.9#
84 144.3 64.9 97.3#



#33
1,2-Dichloroethane-d4
Concen: 54.503 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

Tgt Ion: 65 Resp: 282270
Ion Ratio Lower Upper
65 100
67 52.0 0.0 98.6

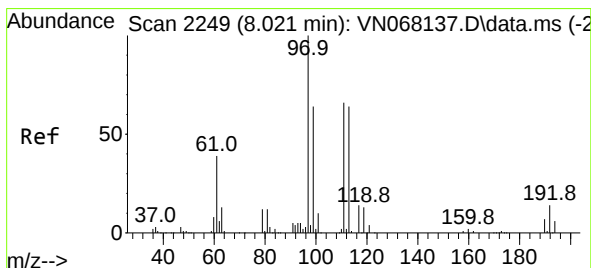
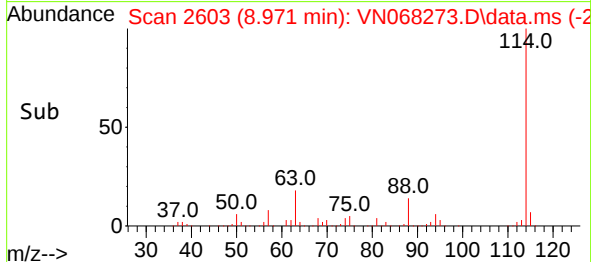
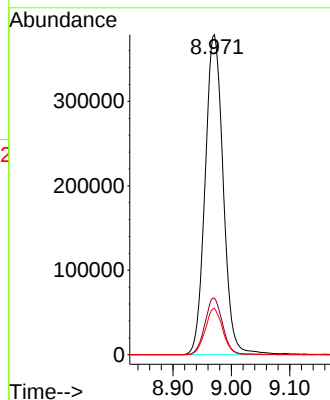
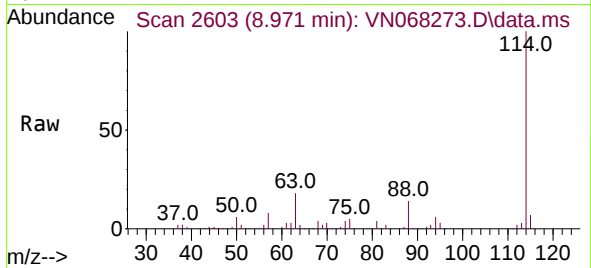




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

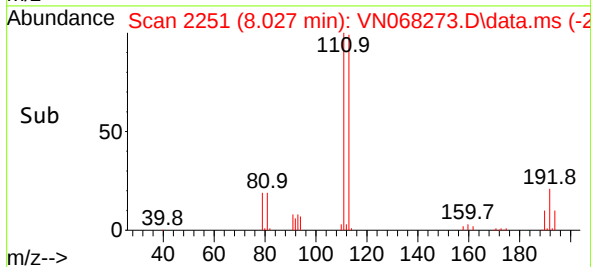
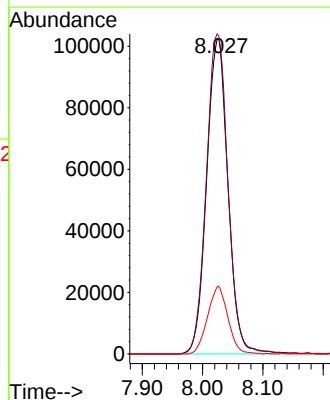
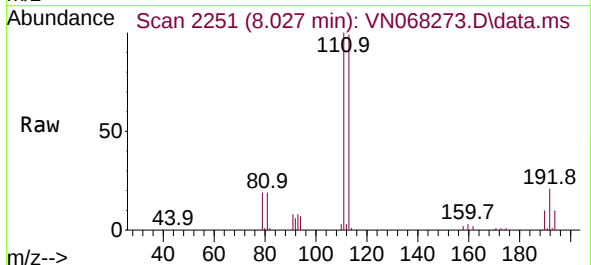
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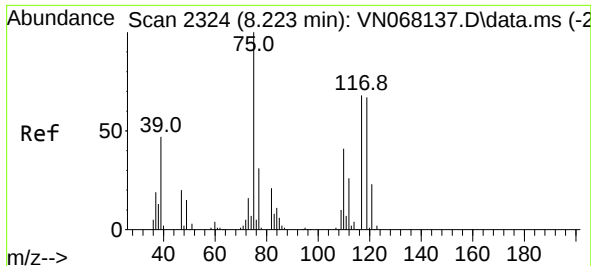
Tgt Ion:114 Resp: 817078
Ion Ratio Lower Upper
114 100
63 17.6 0.0 49.0
88 14.5 0.0 36.6



#35
Dibromofluoromethane
Concen: 49.130 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.006 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

Tgt Ion:113 Resp: 252031
Ion Ratio Lower Upper
113 100
111 102.9 83.8 125.8
192 20.4 13.4 20.0#

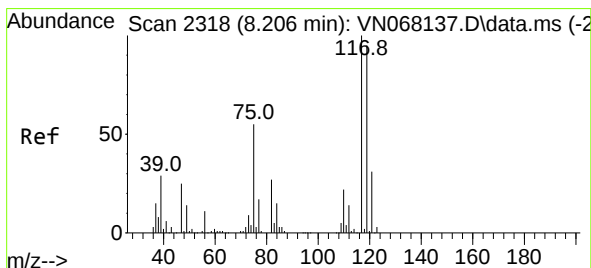
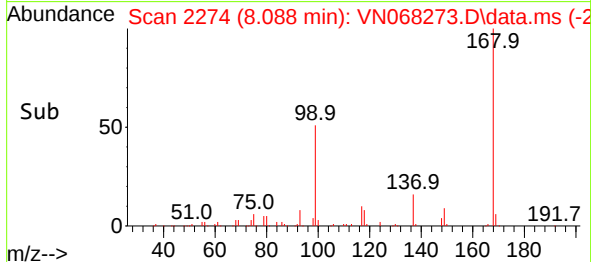
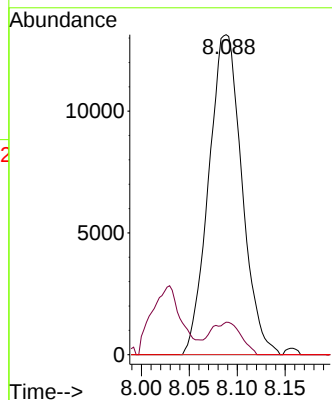
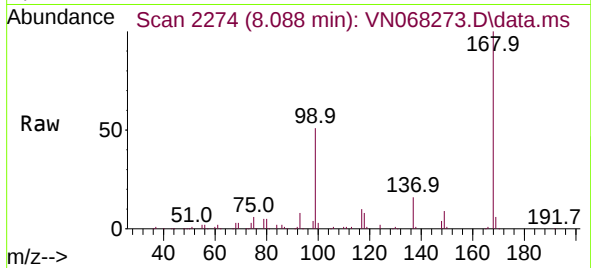




#36
1,1-Dichloropropene
Concen: 4.740 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

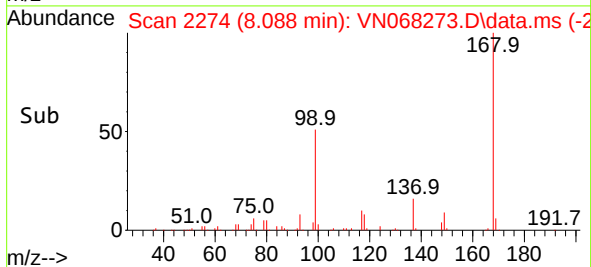
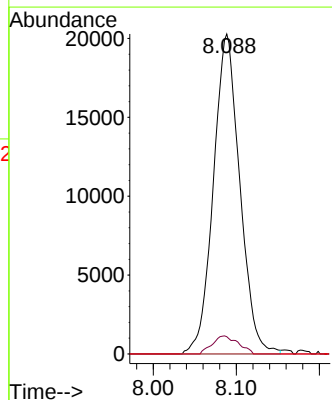
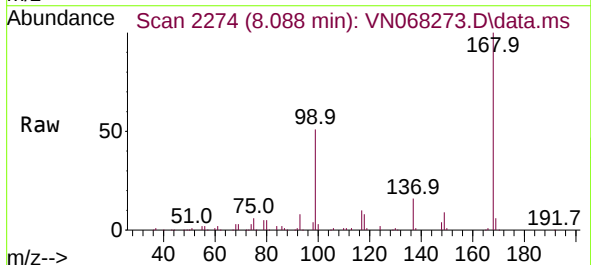
Instrument :
MSVOA_N
ClientSampleId :
PB138622ZHE#05

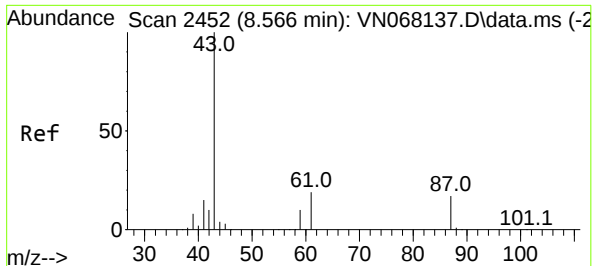
Tgt Ion: 75 Resp: 31659
Ion Ratio Lower Upper
75 100
110 9.2 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 5.822 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

Tgt Ion: 117 Resp: 44848
Ion Ratio Lower Upper
117 100
119 5.4 75.4 113.2#
121 0.0 23.5 35.3#

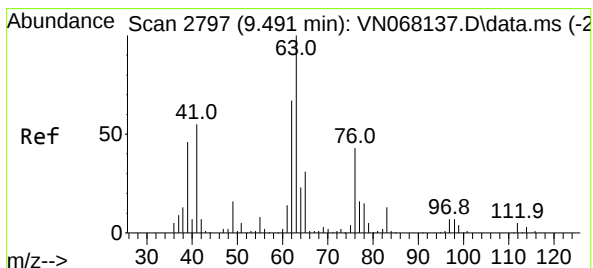
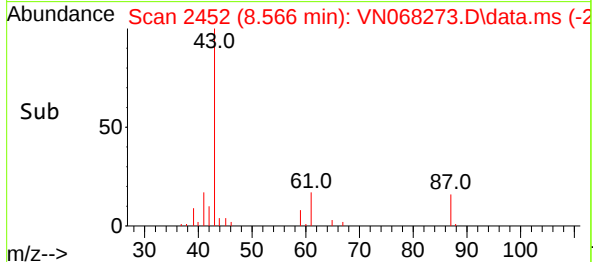
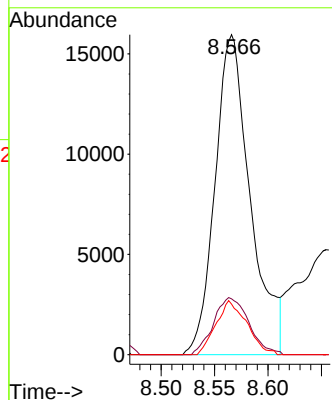
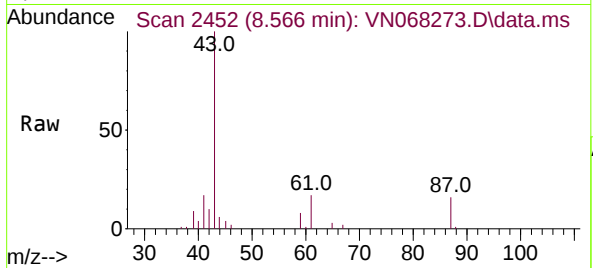




#43
Isopropyl Acetate
Concen: 4.020 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

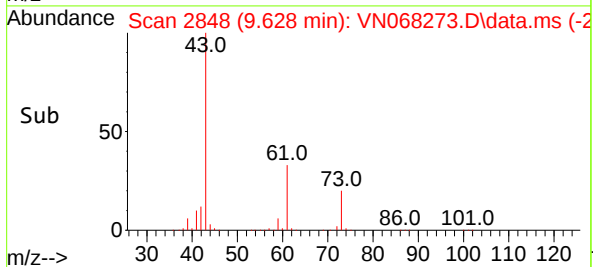
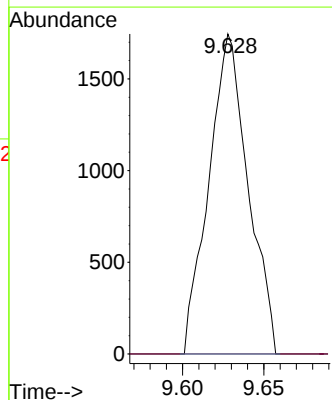
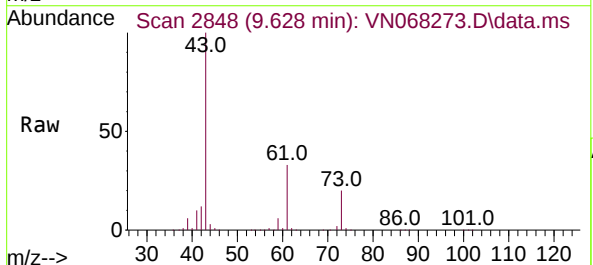
Instrument :
MSVOA_N
ClientSampleId :
PB138622ZHE#05

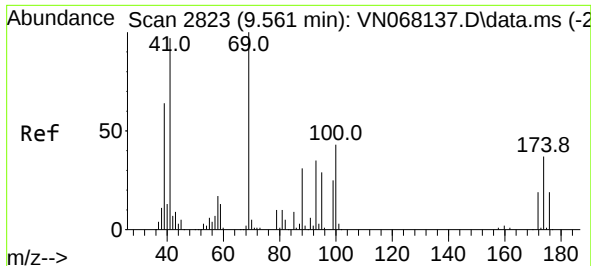
Tgt Ion: 43 Resp: 36642
Ion Ratio Lower Upper
43 100
61 17.9 19.0 28.4#
87 14.8 9.5 14.3#



#45
1,2-Dichloropropane
Concen: 0.613 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

Tgt Ion: 63 Resp: 2938
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

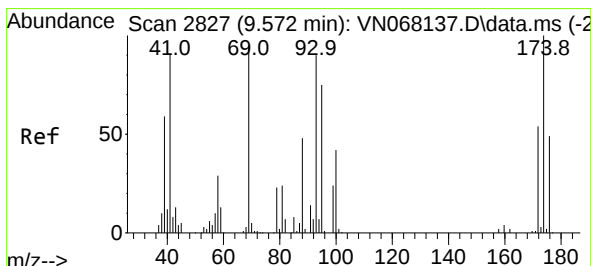
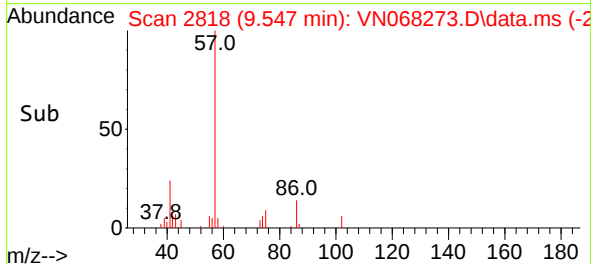
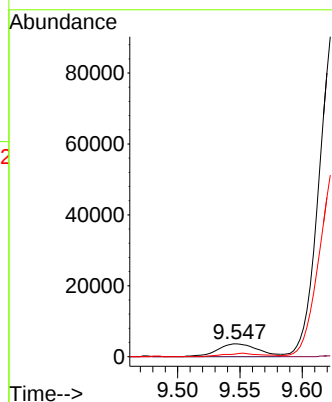
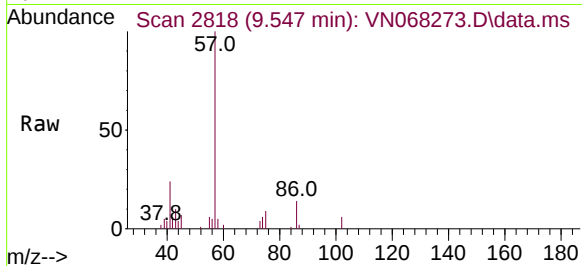




#48
Methyl methacrylate
Concen: 2.161 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

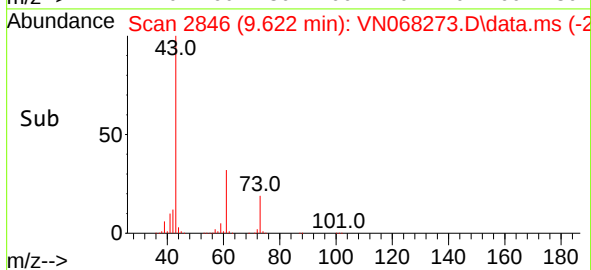
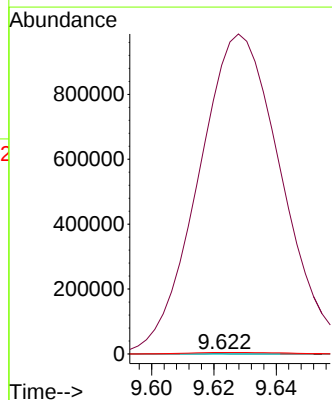
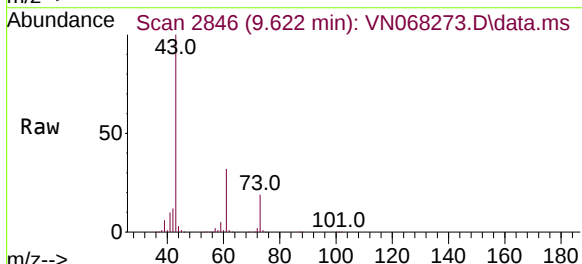
Instrument :
MSVOA_N
ClientSampleId :
PB138622ZHE#05

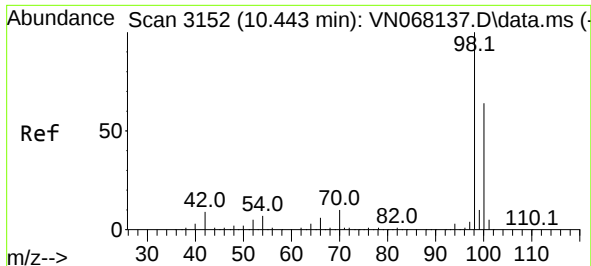
Tgt Ion: 41 Resp: 8209
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 3.682 ug/l
RT: 9.622 min Scan# 2846
Delta R.T. 0.050 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

Tgt Ion: 88 Resp: 338
Ion Ratio Lower Upper
88 100
43 561506.8 28.8 43.2#
58 3032.5 60.4 90.6#

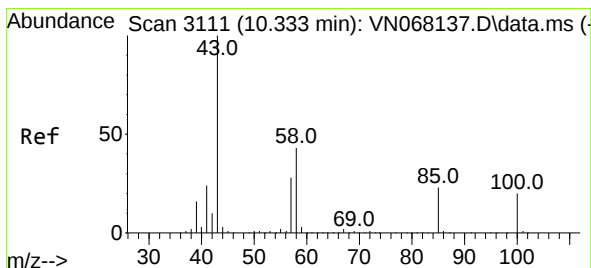
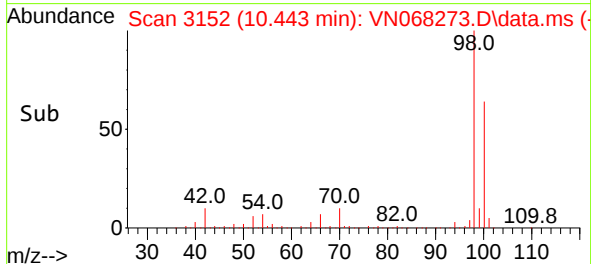
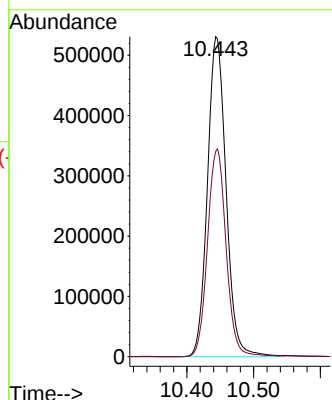
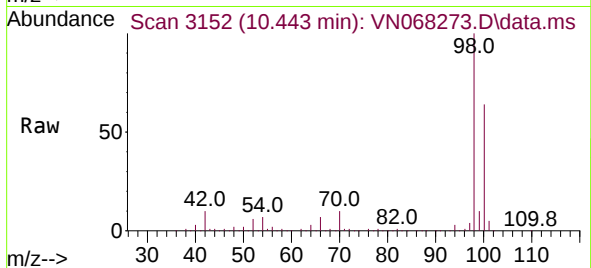




#50
Toluene-d8
Concen: 52.628 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

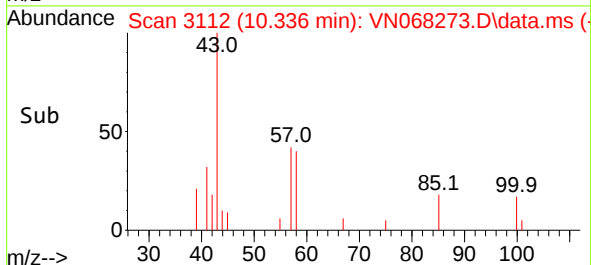
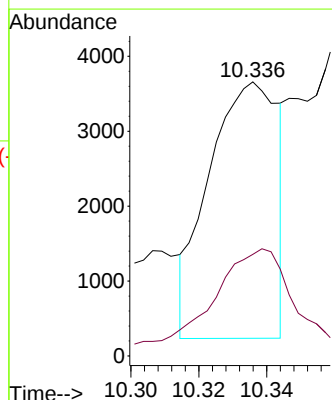
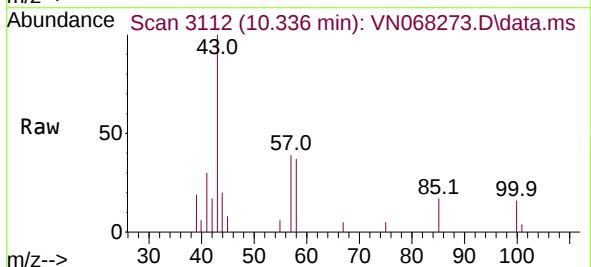
Instrument :
MSVOA_N
ClientSampleId :
PB138622ZHE#05

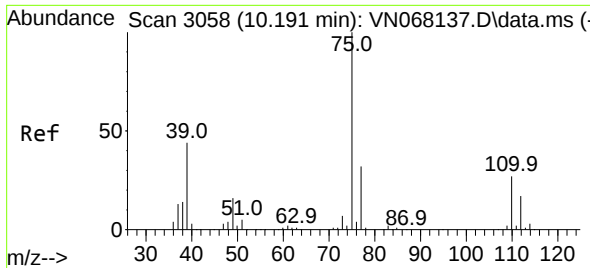
Tgt Ion: 98 Resp: 1028689
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.864 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

Tgt Ion: 43 Resp: 4835
Ion Ratio Lower Upper
43 100
58 51.3 28.6 43.0#

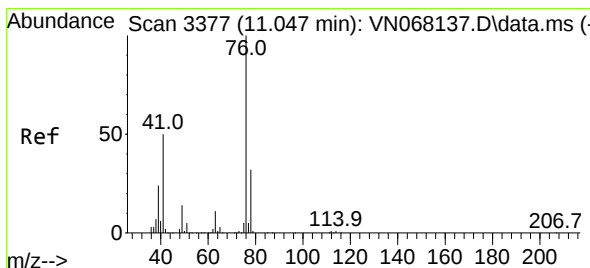
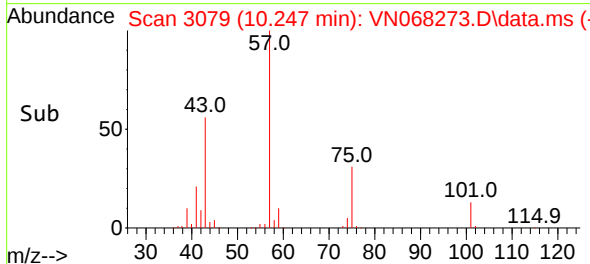
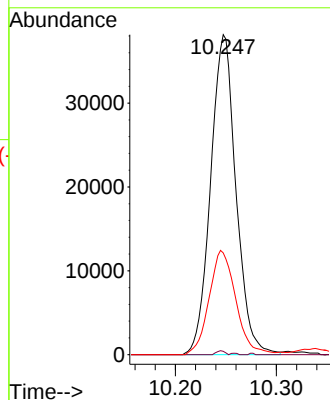
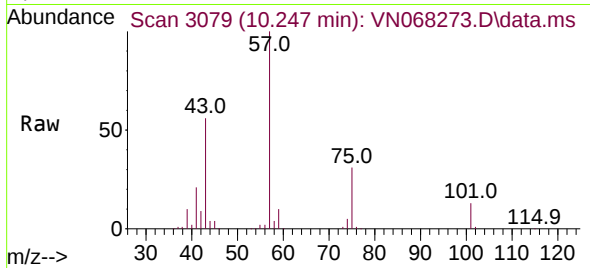




#54
 cis-1,3-Dichloropropene
 Concen: 8.601 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN068273.D
 Acq: 23 Aug 2021 16:58

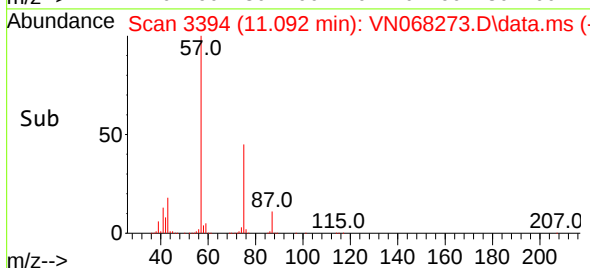
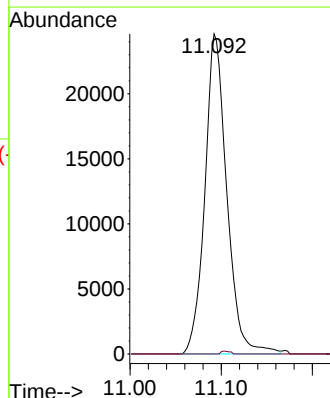
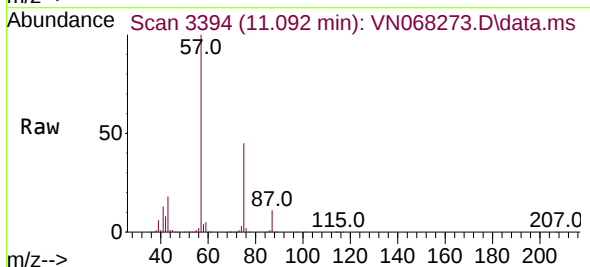
Instrument :
 MSVOA_N
 ClientSampleId :
 PB138622ZHE#05

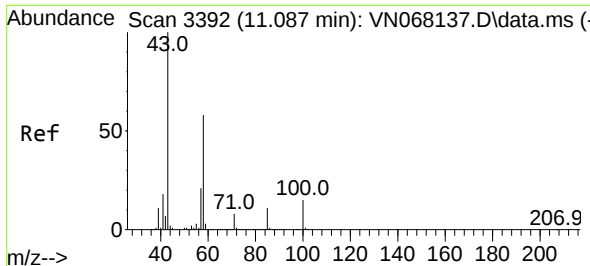
Tgt Ion: 75 Resp: 66534
 Ion Ratio Lower Upper
 75 100
 77 1.0 24.6 37.0#
 39 31.8 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 4.799 ug/l
 RT: 11.092 min Scan# 3394
 Delta R.T. 0.045 min
 Lab File: VN068273.D
 Acq: 23 Aug 2021 16:58

Tgt Ion: 76 Resp: 41049
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.7 38.5#

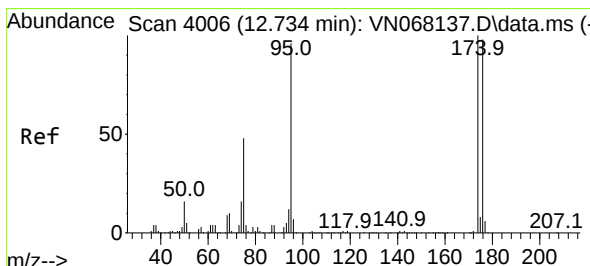
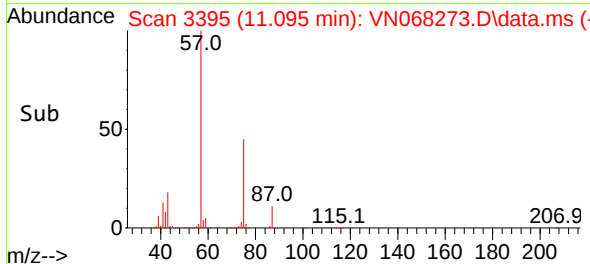
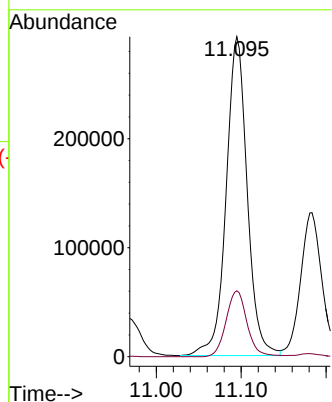
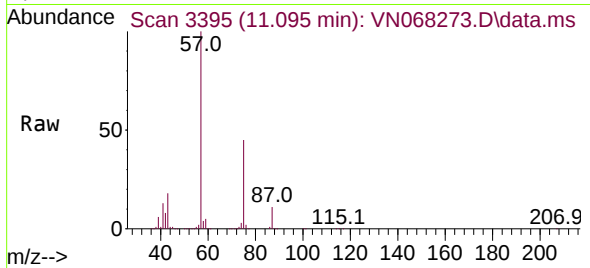




#59
2-Hexanone
Concen: 129.453 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

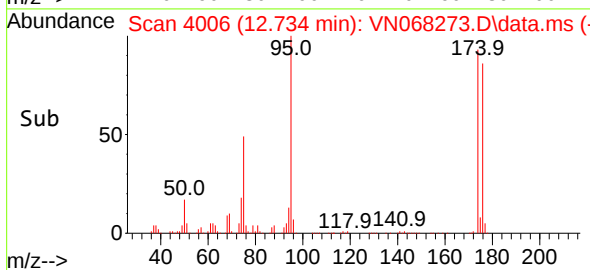
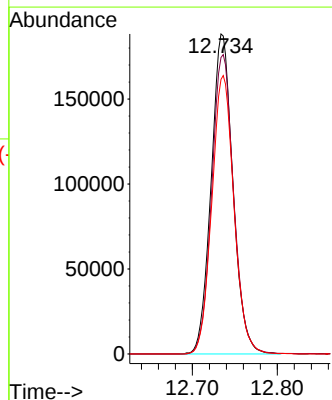
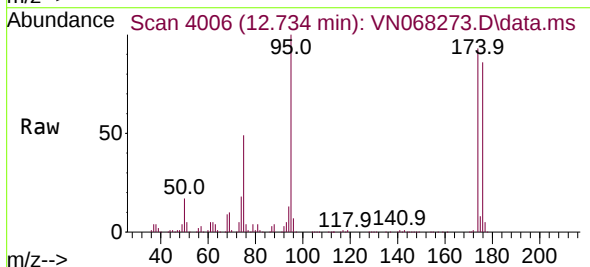
Instrument :
MSVOA_N
ClientSampleId :
PB138622ZHE#05

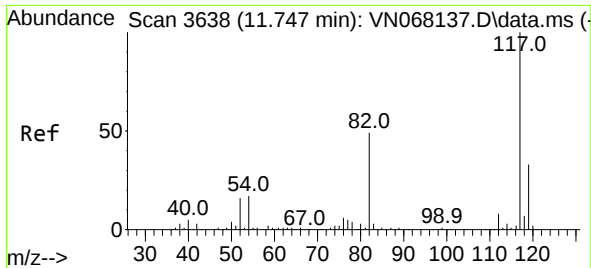
Tgt Ion: 43 Resp: 503283
Ion Ratio Lower Upper
43 100
58 20.7 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 51.524 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

Tgt Ion: 95 Resp: 335266
Ion Ratio Lower Upper
95 100
174 94.5 0.0 122.0
176 88.5 0.0 117.6

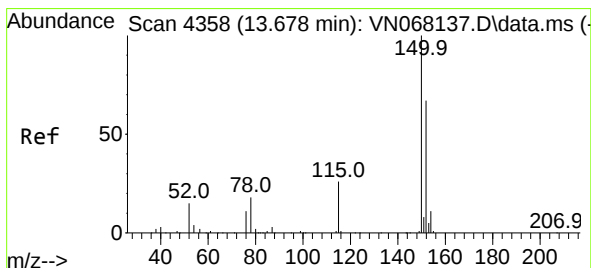
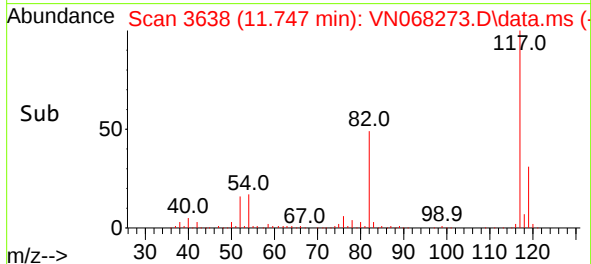
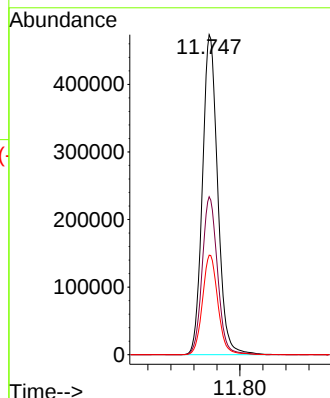
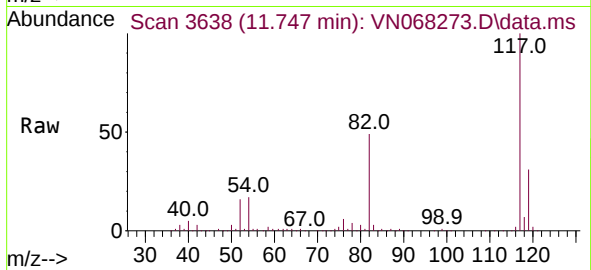




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

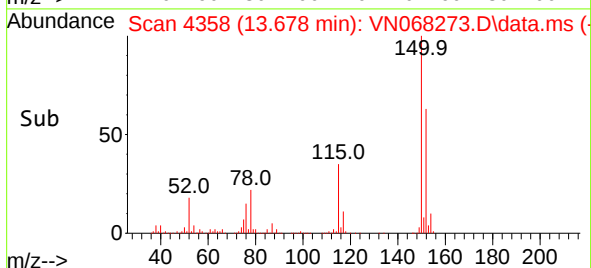
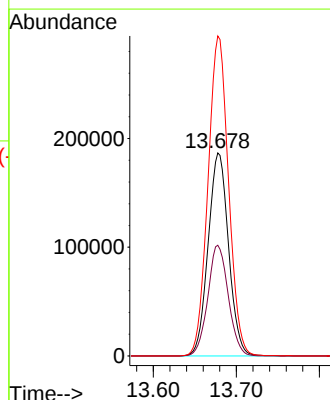
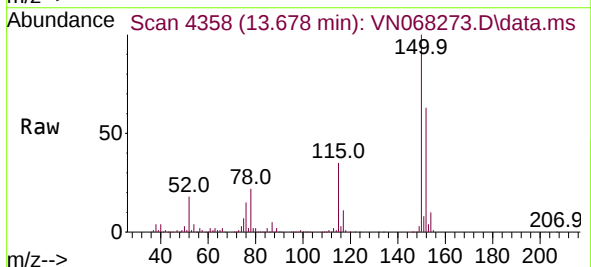
Instrument :
MSVOA_N
ClientSampleId :
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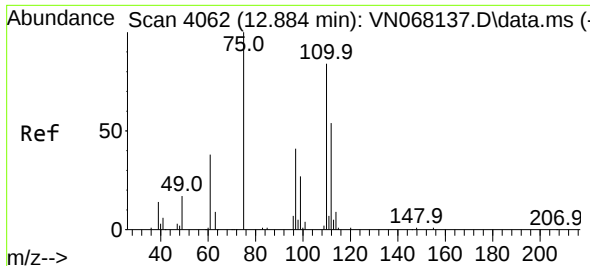
Tgt Ion:117 Resp: 871925
Ion Ratio Lower Upper
117 100
82 49.3 53.1 79.7#
119 31.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

Tgt Ion:152 Resp: 318296
Ion Ratio Lower Upper
152 100
115 54.7 36.1 108.5
150 158.5 0.0 351.8

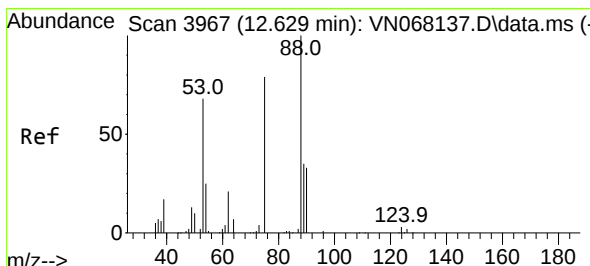
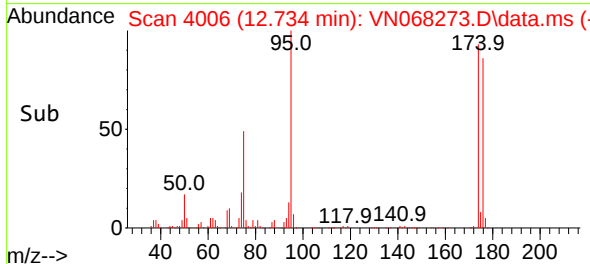
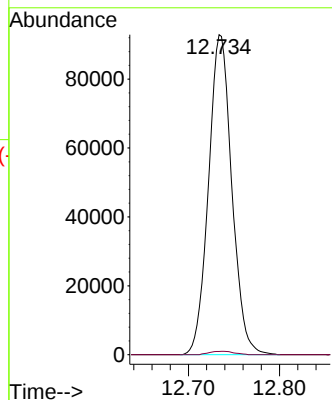
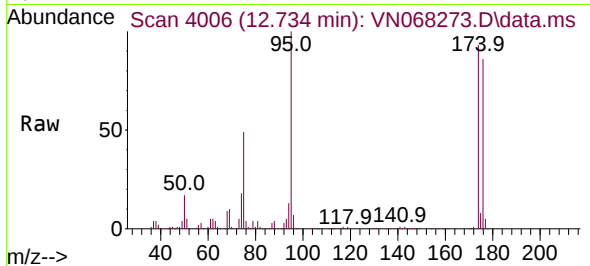




#76
1,2,3-Trichloropropane
Concen: 31.162 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

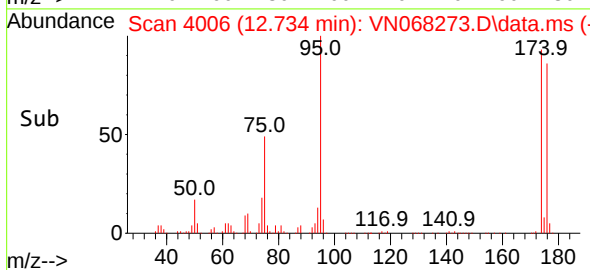
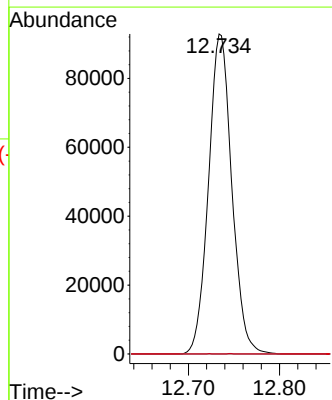
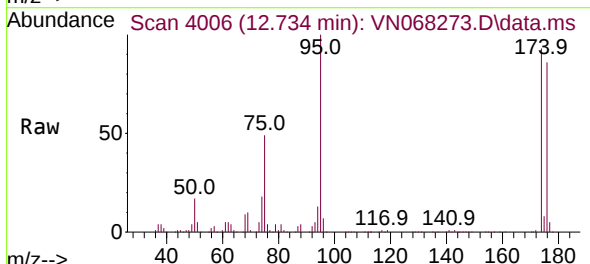
Instrument :
MSVOA_N
ClientSampleId :
PB138622ZHE#05

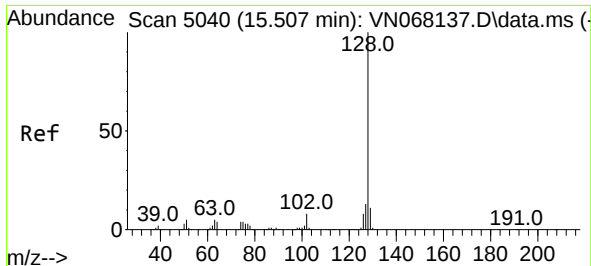
Tgt Ion: 75 Resp: 164860
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 102.092 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

Tgt Ion: 75 Resp: 164860
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

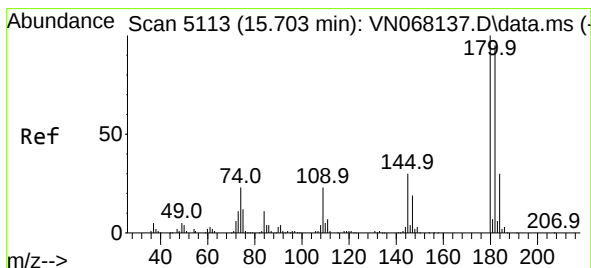
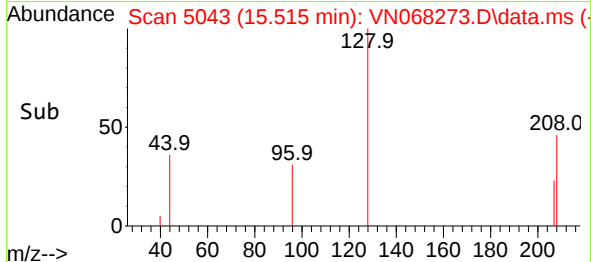
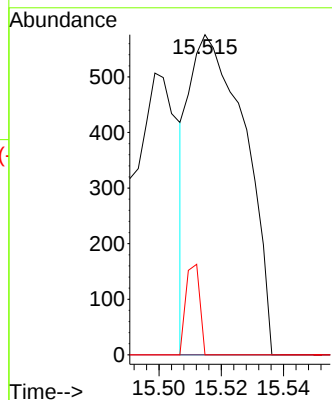
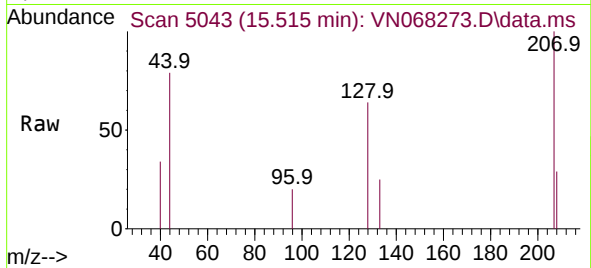




#95
Naphthalene
Concen: 3.398 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

Instrument :
MSVOA_N
ClientSampleId :
PB138622ZHE#05

Tgt Ion:128 Resp: 722
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 7.1 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.862 ug/l
RT: 15.700 min Scan# 5112
Delta R.T. -0.003 min
Lab File: VN068273.D
Acq: 23 Aug 2021 16:58

Tgt Ion:180 Resp: 165
Ion Ratio Lower Upper
180 100
182 96.4 47.8 143.3
145 0.0 18.2 54.6#

