

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082021\
 Data File : VN068249.D
 Acq On : 20 Aug 2021 16:51
 Operator : JC/MD
 Sample : PB138586ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB138586ZHE#02

Quant Time: Aug 20 23:59:24 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)

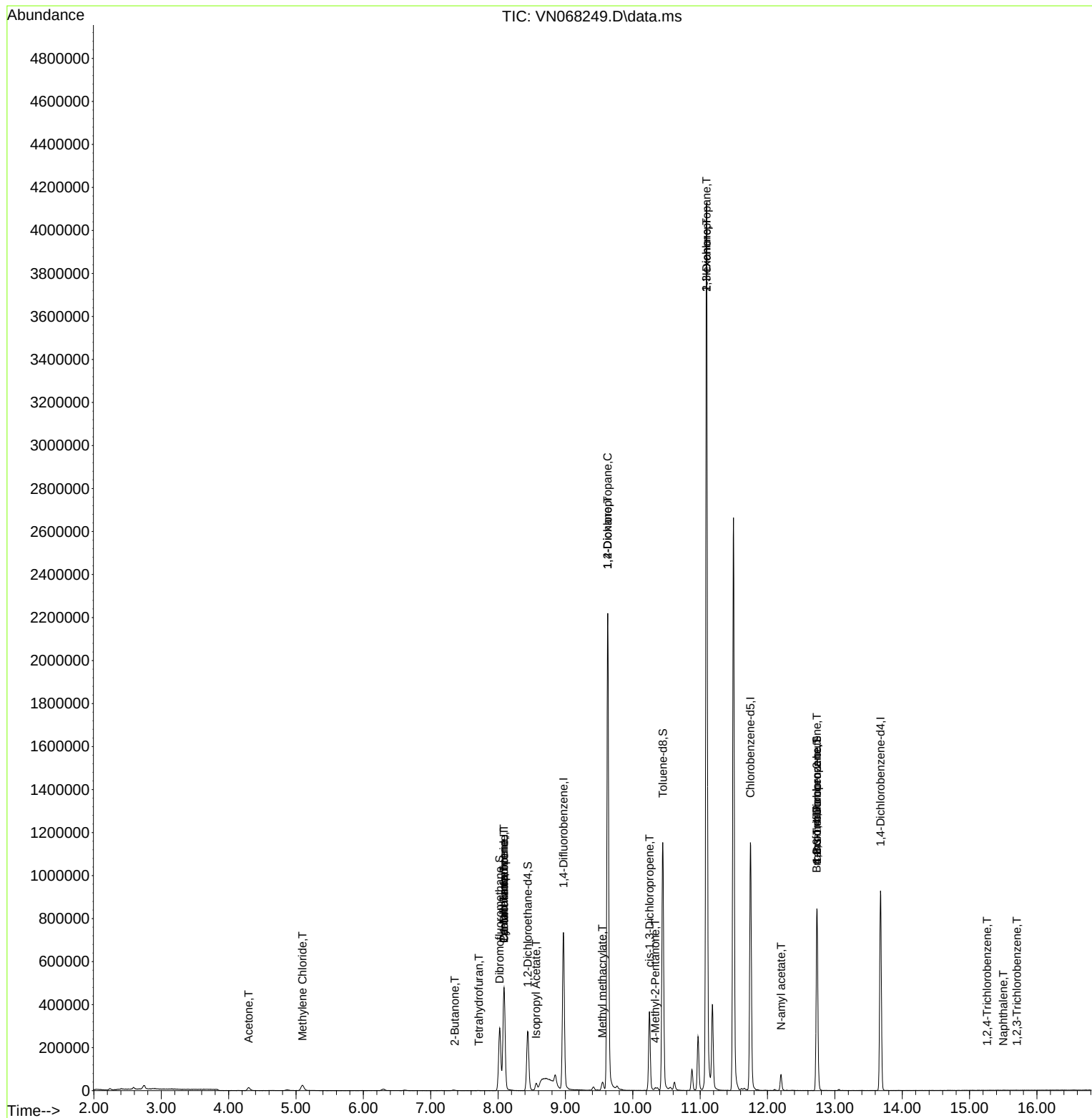
Internal Standards						
1) Pentafluorobenzene	8.088	168	406185	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	698734	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	748107	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	280220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	230807	53.219	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.440%			
35) Dibromofluoromethane	8.024	113	211931	48.311	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 96.620%			
50) Toluene-d8	10.446	98	865520	51.780	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.560%			
62) 4-Bromofluorobenzene	12.733	95	282731	50.810	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 101.620%			
Target Compounds						
					Qvalue	
5) Bromomethane	2.874	94	1795	Below Cal	#	75
6) Chloroethane	2.995	64	59	Below Cal	#	44
13) Acrolein	4.036	56	122	Below Cal	#	75
16) Acetone	4.296	43	26204	20.694	ug/l #	79
18) Methyl Acetate	4.870	43	6766	Below Cal	#	79
20) Methylene Chloride	5.095	84	21043	4.052	ug/l #	83
25) 2-Butanone	7.356	43	1947	0.987	ug/l	97
29) Tetrahydrofuran	7.715	42	505	0.400	ug/l #	45
31) Cyclohexane	8.088	56	7143	1.250	ug/l #	11
36) 1,1-Dichloropropene	8.088	75	25926	4.539	ug/l #	52
38) Carbon Tetrachloride	8.088	117	37326	5.666	ug/l #	17
43) Isopropyl Acetate	8.566	43	37861	4.857	ug/l #	91
45) 1,2-Dichloropropane	9.628	63	2720	0.663	ug/l #	44
48) Methyl methacrylate	9.550	41	9013	2.775	ug/l #	12
49) 1,4-Dioxane	9.628	88	263	3.350	ug/l #	1
51) 4-Methyl-2-Pentanone	10.333	43	6832	1.427	ug/l	89
54) cis-1,3-Dichloropropene	10.247	75	70956	10.726	ug/l #	57
57) 1,3-Dichloropropane	11.095	76	45664	6.242	ug/l #	43
59) 2-Hexanone	11.095	43	577862	173.810	ug/l #	57
71) Bromoform	12.731	173	1359	0.293	ug/l #	1
74) N-amyl acetate	12.200	43	21962	4.232	ug/l #	59
76) 1,2,3-Trichloropropane	12.733	75	141318	30.342	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	141318	99.405	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.260	180	77	2.701	ug/l #	3
95) Naphthalene	15.501	128	1079	3.436	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.702	180	377	2.911	ug/l #	33

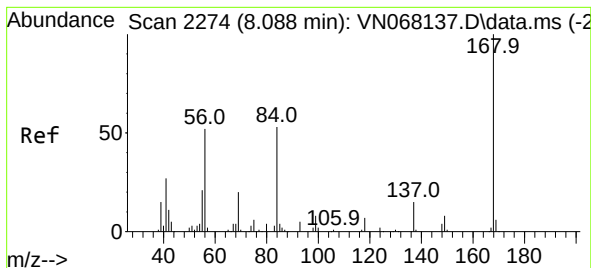
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068249.D

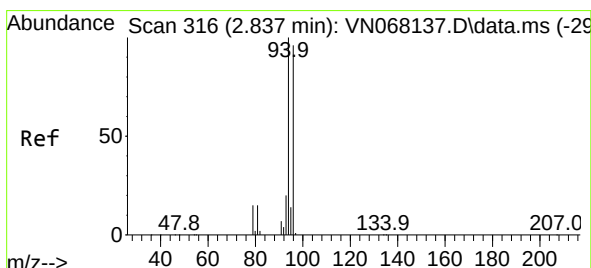
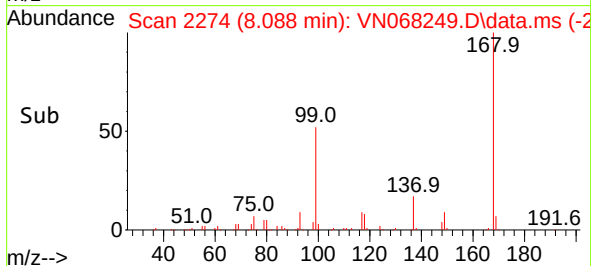
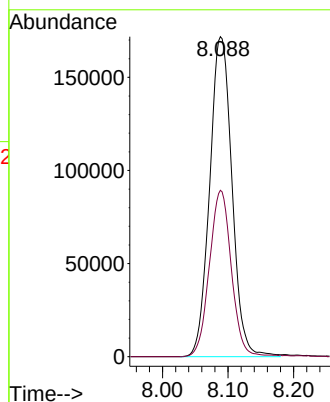
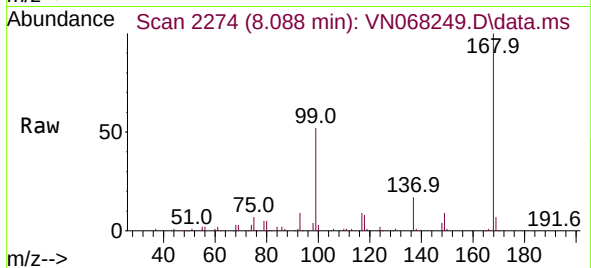
Acq: 20 Aug 2021 16:51

Tgt Ion:168 Resp: 406185

Ion Ratio Lower Upper

168 100

99 52.0 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.874 min Scan# 330

Delta R.T. 0.037 min

Lab File: VN068249.D

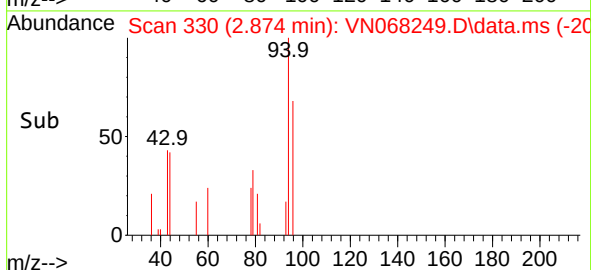
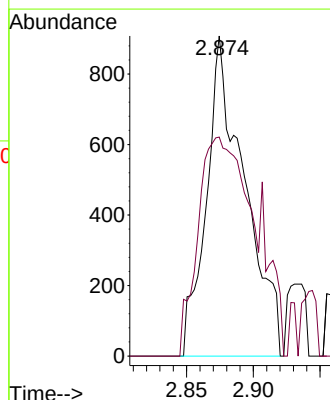
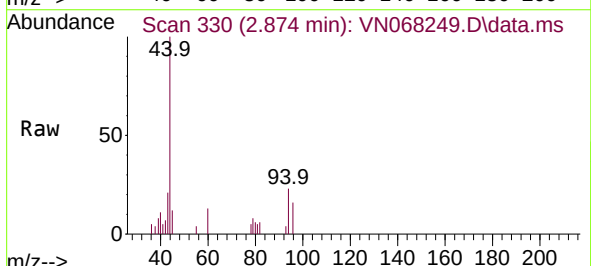
Acq: 20 Aug 2021 16:51

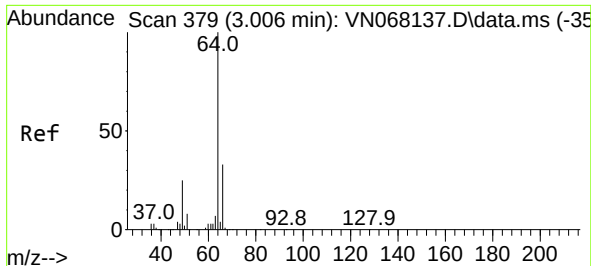
Tgt Ion: 94 Resp: 1795

Ion Ratio Lower Upper

94 100

96 68.4 73.7 110.5#

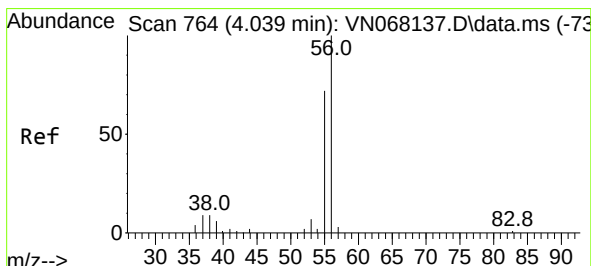
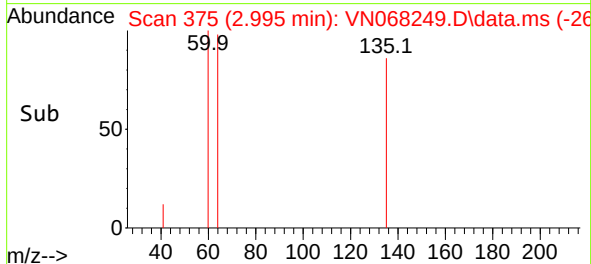
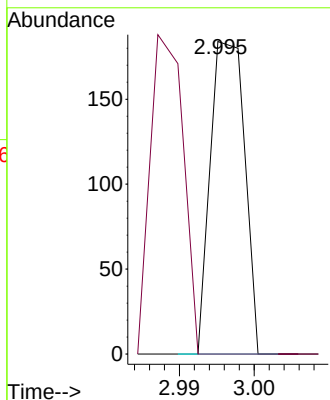
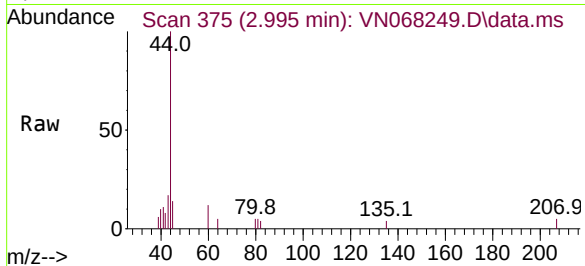




#6
Chloroethane
Concen: Below Cal
RT: 2.995 min Scan# 375
Delta R.T. -0.011 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

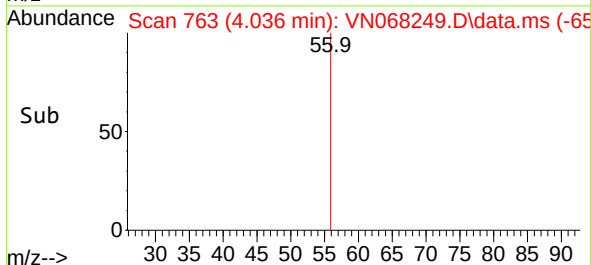
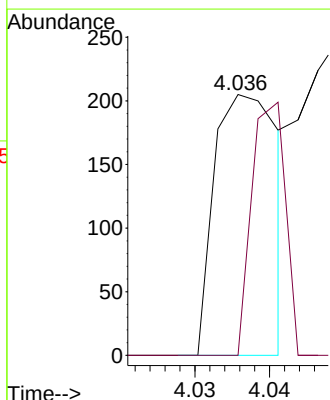
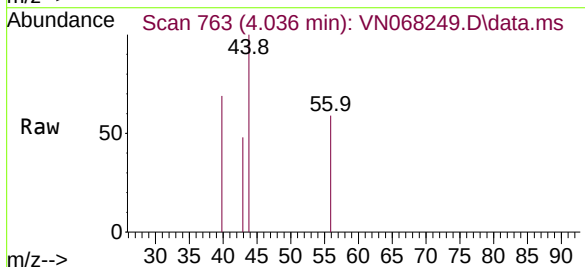
Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#02

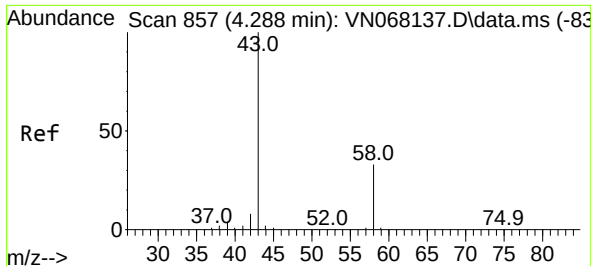
Tgt Ion: 64 Resp: 59
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.036 min Scan# 763
Delta R.T. -0.003 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

Tgt Ion: 56 Resp: 122
Ion Ratio Lower Upper
56 100
55 50.8 57.4 86.0#

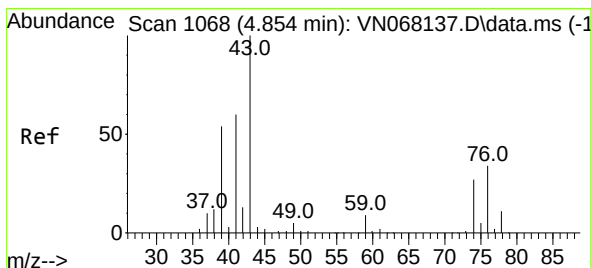
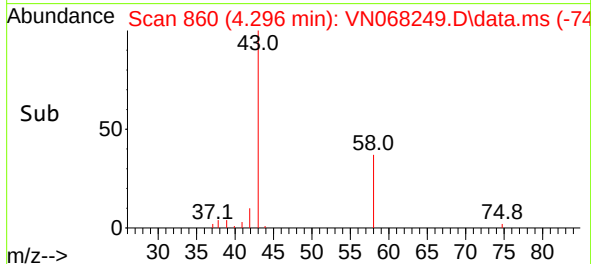
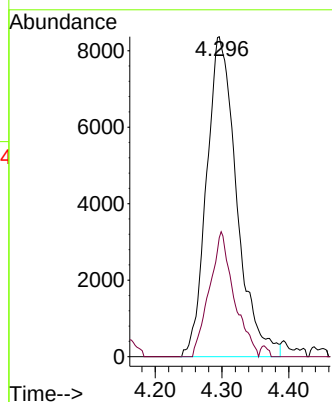
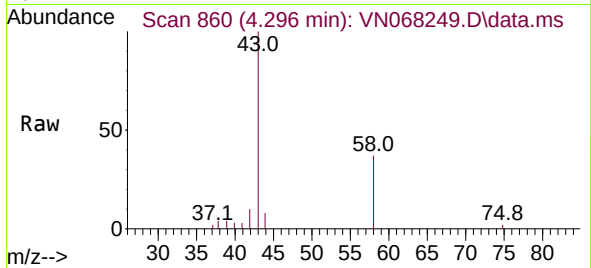




#16
Acetone
Concen: 20.694 ug/l
RT: 4.296 min Scan# 860
Delta R.T. 0.008 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

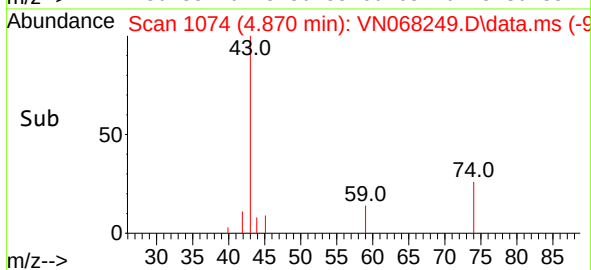
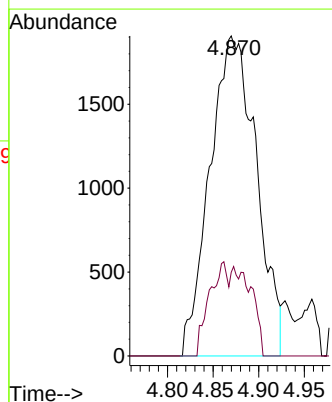
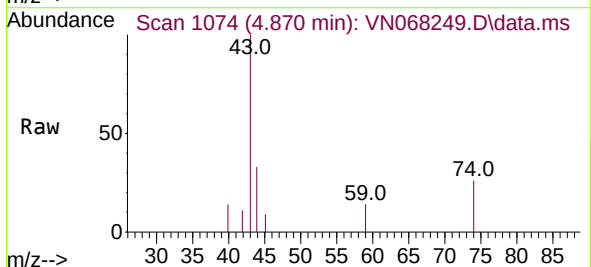
Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#02

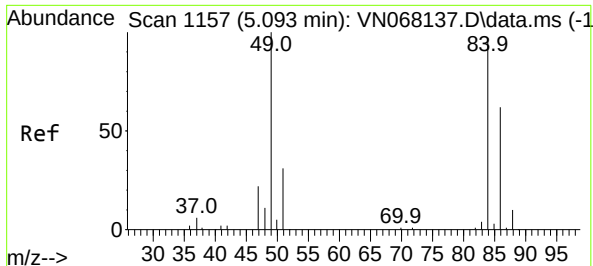
Tgt Ion: 43 Resp: 26204
Ion Ratio Lower Upper
43 100
58 37.1 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.870 min Scan# 1074
Delta R.T. 0.016 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

Tgt Ion: 43 Resp: 6766
Ion Ratio Lower Upper
43 100
74 11.9 17.4 26.0#

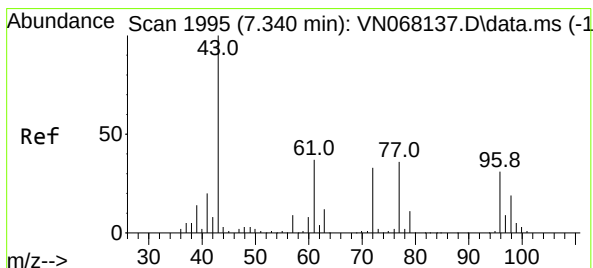
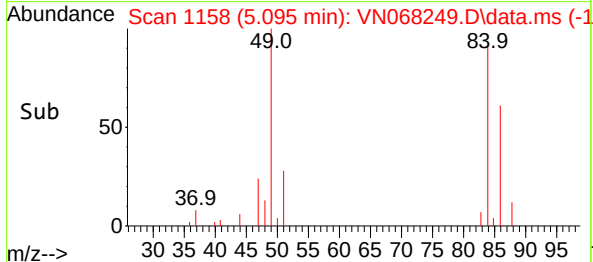
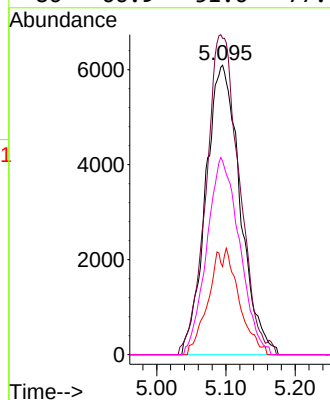
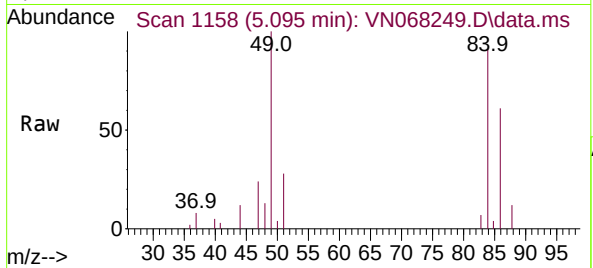




#20
Methylene Chloride
Concen: 4.052 ug/l
RT: 5.095 min Scan# 1158
Delta R.T. 0.002 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

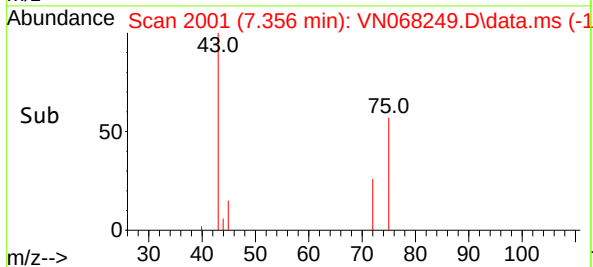
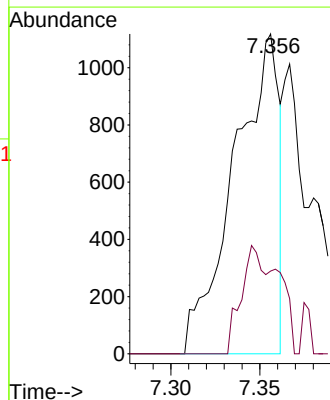
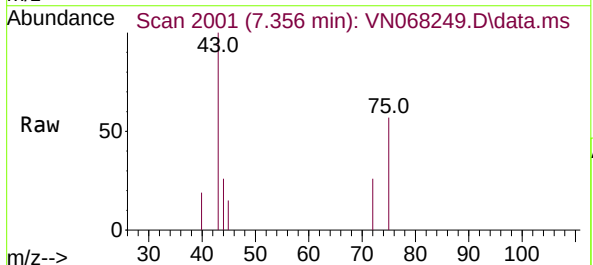
Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#02

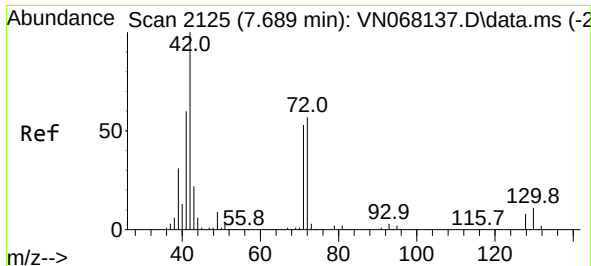
Tgt Ion:	84	Resp:	21043
Ion	Ratio	Lower	Upper
84	100		
49	109.3	110.9	166.3#
51	30.4	32.6	49.0#
86	66.9	51.6	77.4



#25
2-Butanone
Concen: 0.987 ug/l
RT: 7.356 min Scan# 2001
Delta R.T. 0.016 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

Tgt Ion:	43	Resp:	1947
Ion	Ratio	Lower	Upper
43	100		
72	25.8	19.7	29.5





#29

Tetrahydrofuran

Concen: 0.400 ug/l

RT: 7.715 min Scan# 2135

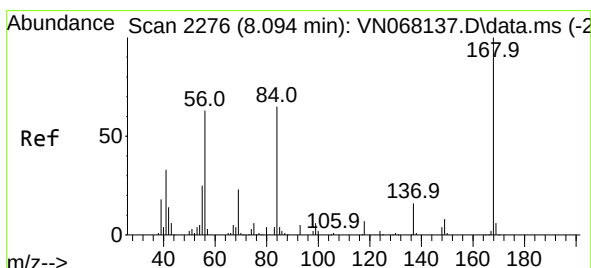
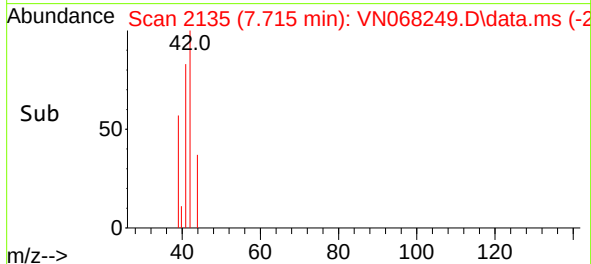
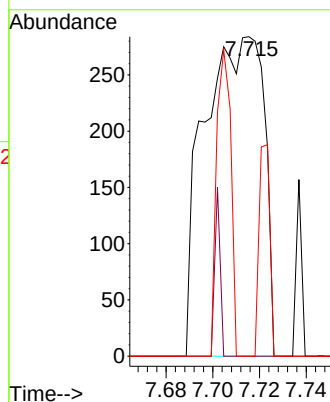
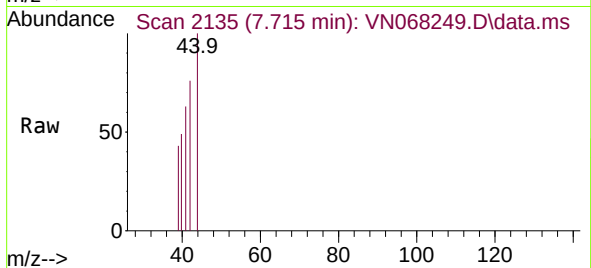
Delta R.T. 0.026 min

Lab File: VN068249.D

Acq: 20 Aug 2021 16:51

Tgt Ion:	42	Resp:	505
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.8	49.2#
71	11.9	31.2	46.8#

Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#02



#31

Cyclohexane

Concen: 1.250 ug/l

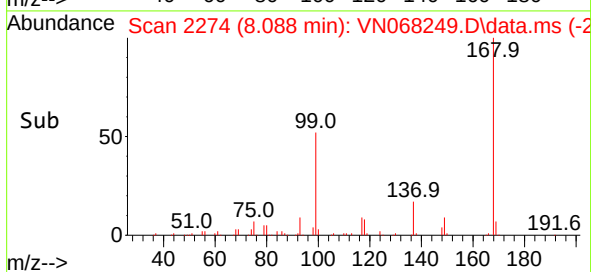
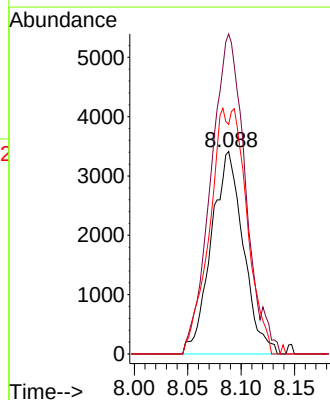
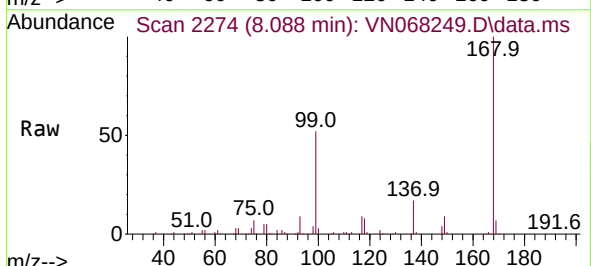
RT: 8.088 min Scan# 2274

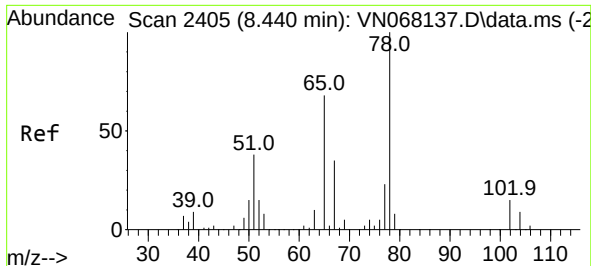
Delta R.T. -0.006 min

Lab File: VN068249.D

Acq: 20 Aug 2021 16:51

Tgt Ion:	56	Resp:	7143
Ion	Ratio	Lower	Upper
56	100		
69	158.0	27.3	40.9#
84	113.4	64.9	97.3#

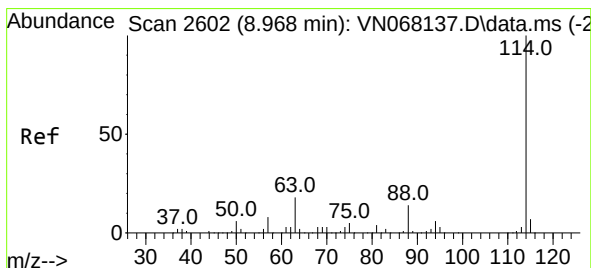
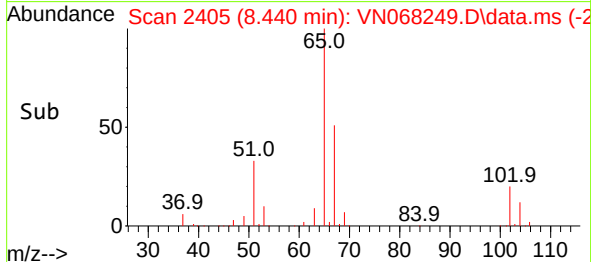
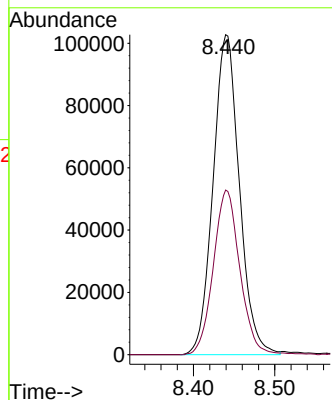
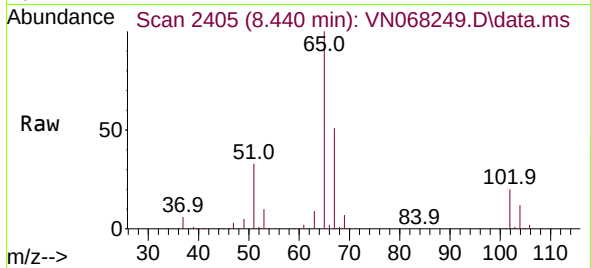




#33
 1,2-Dichloroethane-d4
 Concen: 53.219 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068249.D
 Acq: 20 Aug 2021 16:51

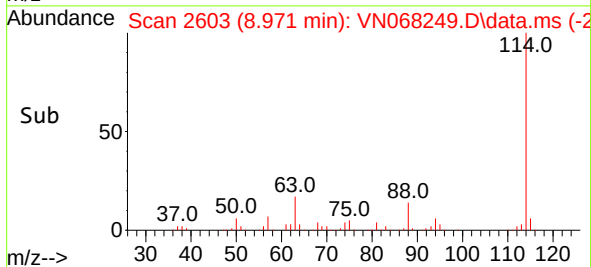
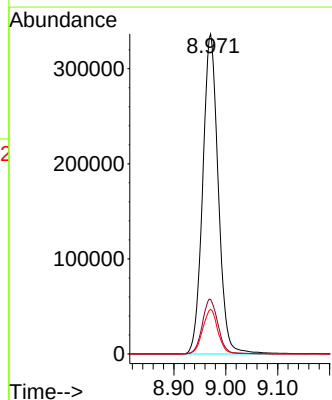
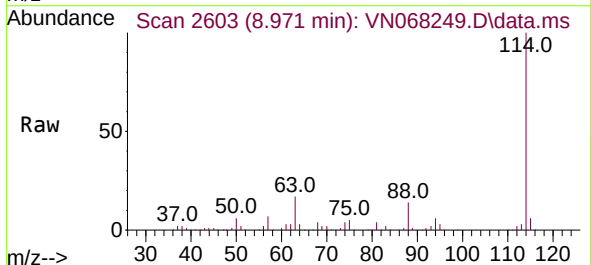
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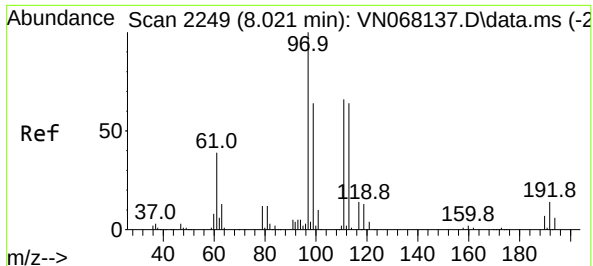
Tgt Ion: 65 Resp: 230807
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068249.D
 Acq: 20 Aug 2021 16:51

Tgt Ion: 114 Resp: 698734
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 49.0
 88 13.9 0.0 36.6

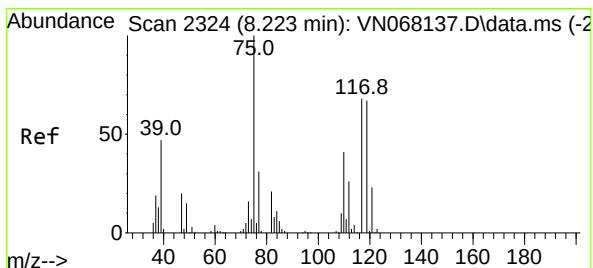
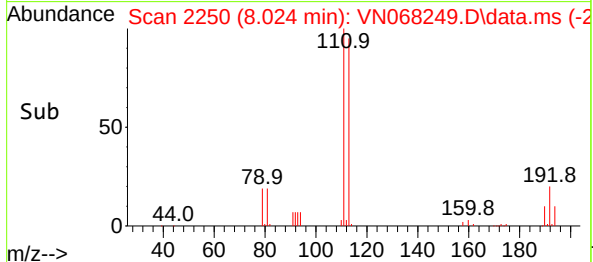
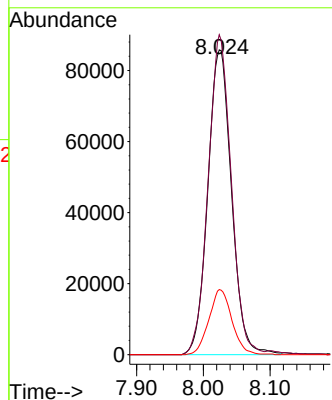
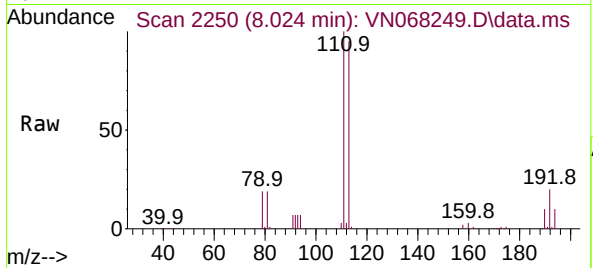




#35
Dibromofluoromethane
Concen: 48.311 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

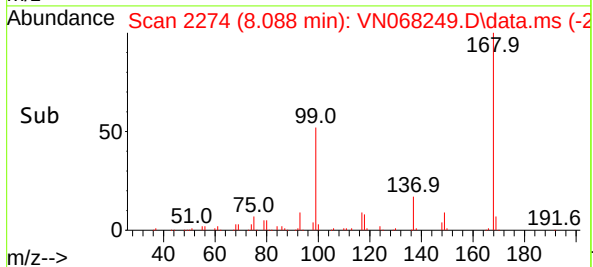
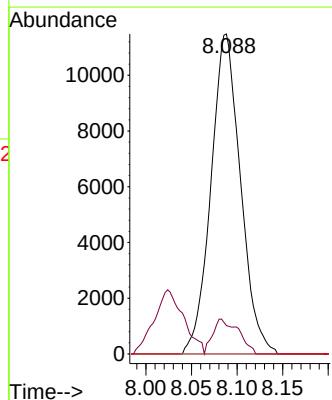
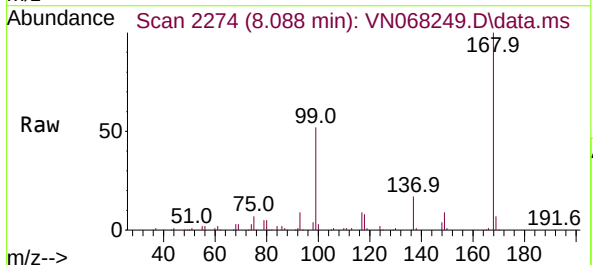
Instrument :
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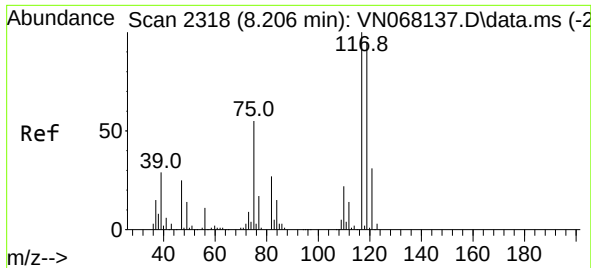
Tgt Ion:113 Resp: 211931
Ion Ratio Lower Upper
113 100
111 101.8 83.8 125.8
192 20.8 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.539 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

Tgt Ion: 75 Resp: 25926
Ion Ratio Lower Upper
75 100
110 9.4 15.7 47.0#
77 0.0 24.6 37.0#

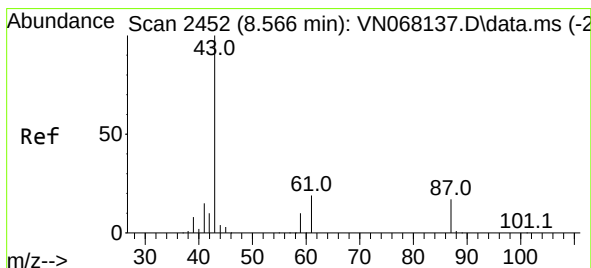
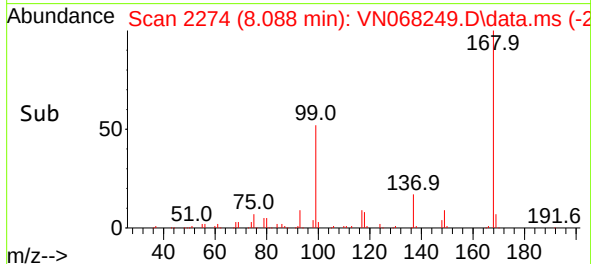
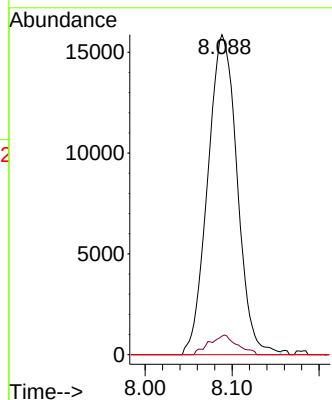
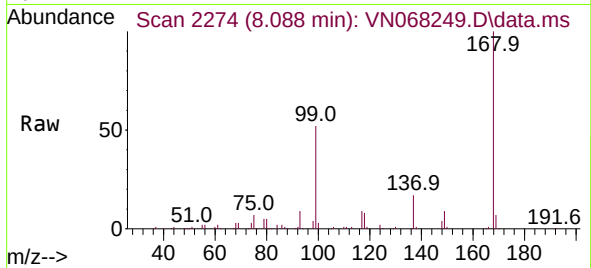




#38
Carbon Tetrachloride
Concen: 5.666 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

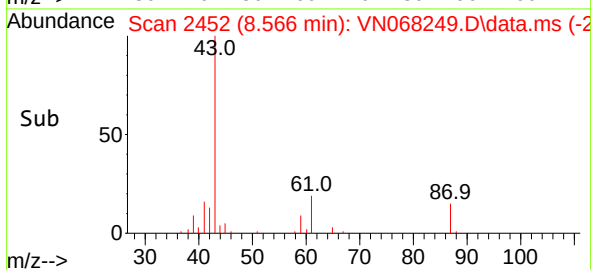
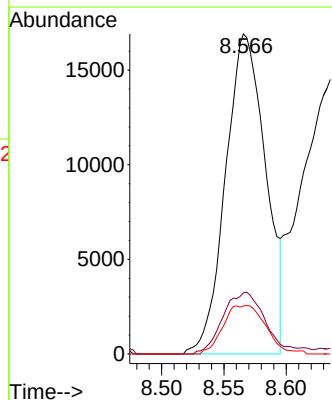
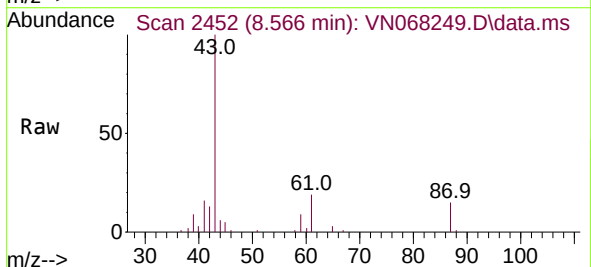
Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#02

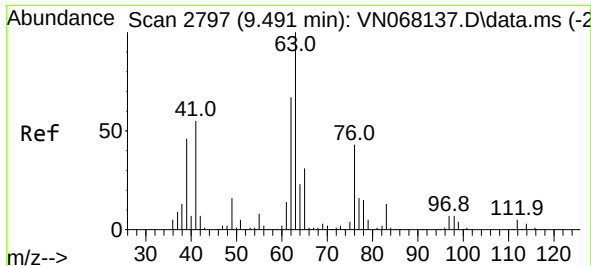
Tgt Ion:117 Resp: 37326
Ion Ratio Lower Upper
117 100
119 5.8 75.4 113.2#
121 0.0 23.5 35.3#



#43
Isopropyl Acetate
Concen: 4.857 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

Tgt Ion: 43 Resp: 37861
Ion Ratio Lower Upper
43 100
61 20.3 19.0 28.4
87 7.0 9.5 14.3#

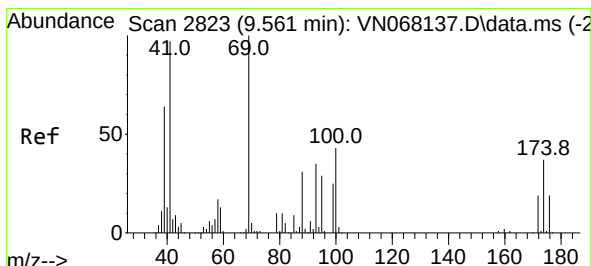
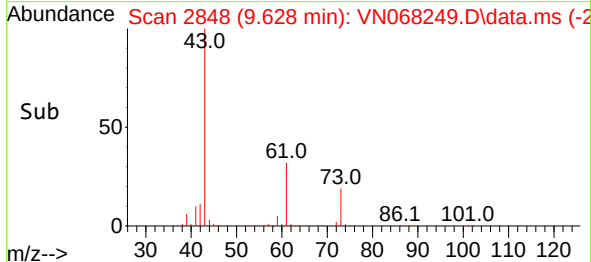
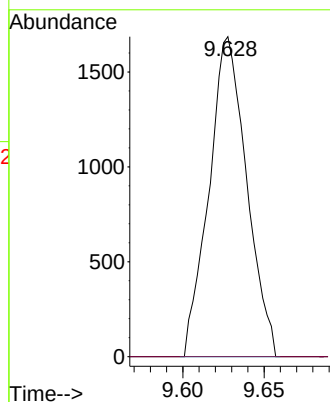
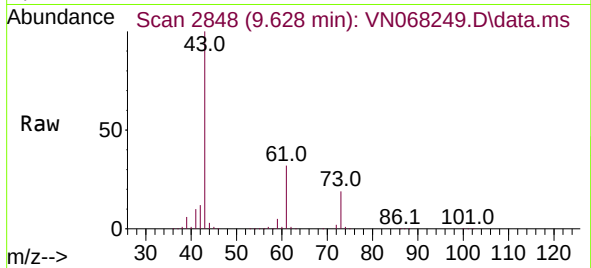




#45
1,2-Dichloropropane
Concen: 0.663 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

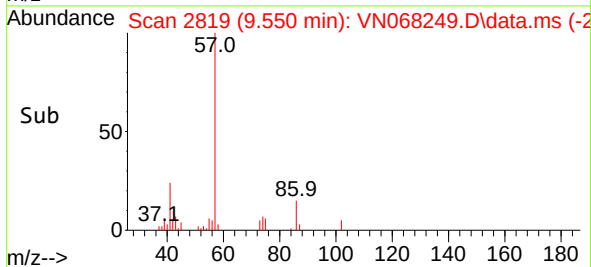
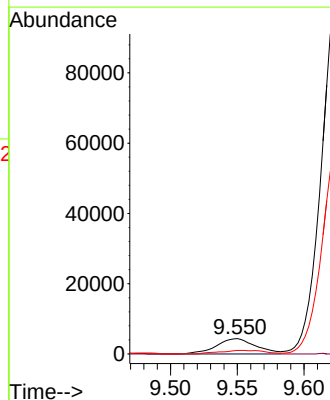
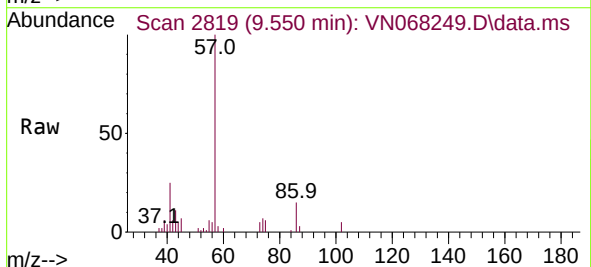
Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#02

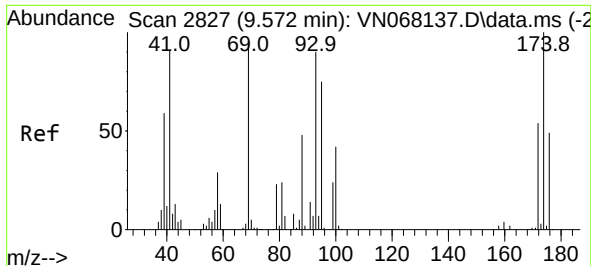
Tgt Ion: 63 Resp: 2720
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#48
Methyl methacrylate
Concen: 2.775 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

Tgt Ion: 41 Resp: 9013
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: 3.350 ug/l

RT: 9.628 min Scan# 2848

Delta R.T. 0.056 min

Lab File: VN068249.D

Acq: 20 Aug 2021 16:51

Instrument :

MSVOA_N

ClientSampleId :

PB138586ZHE#02

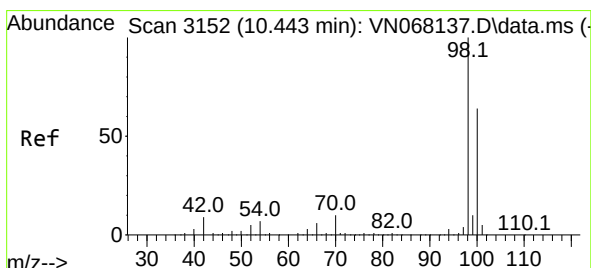
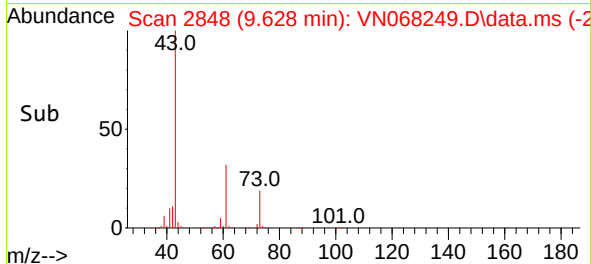
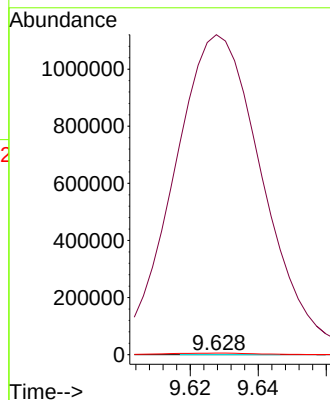
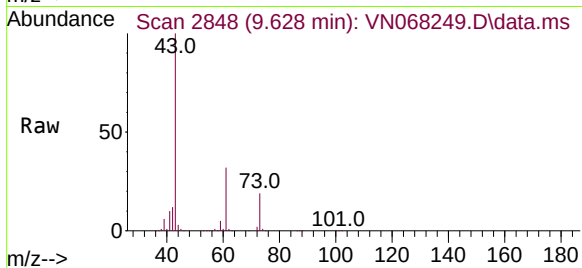
Tgt Ion: 88 Resp: 263

Ion Ratio Lower Upper

88 100

43 808204.2 28.8 43.2#

58 4148.3 60.4 90.6#



#50

Toluene-d8

Concen: 51.780 ug/l

RT: 10.446 min Scan# 3153

Delta R.T. 0.003 min

Lab File: VN068249.D

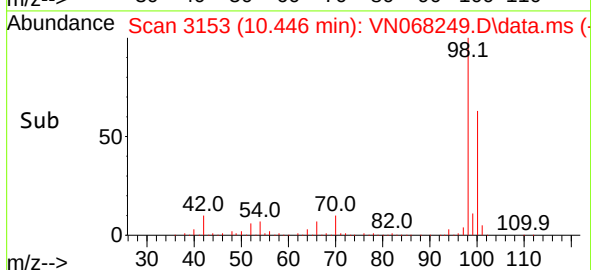
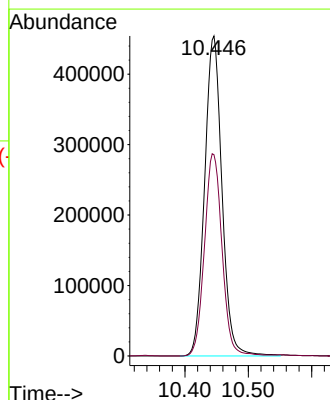
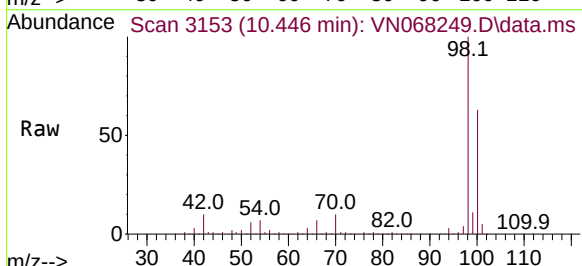
Acq: 20 Aug 2021 16:51

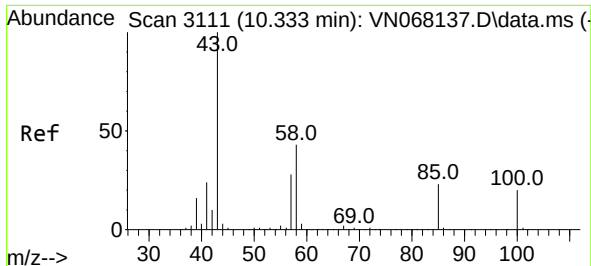
Tgt Ion: 98 Resp: 865520

Ion Ratio Lower Upper

98 100

100 63.9 51.7 77.5

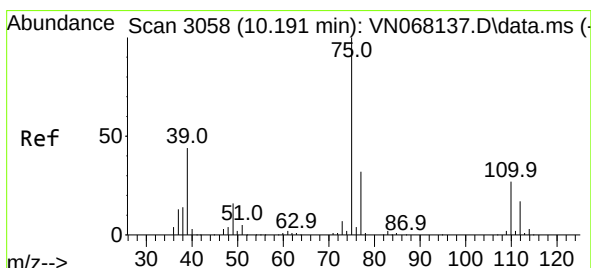
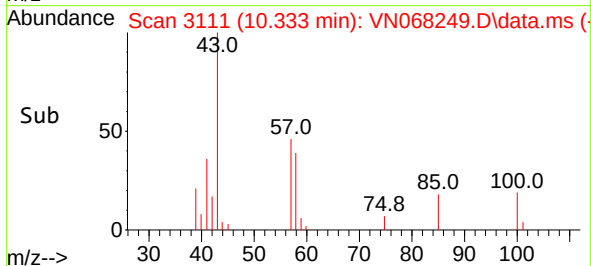
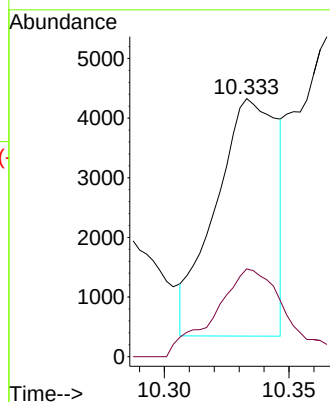
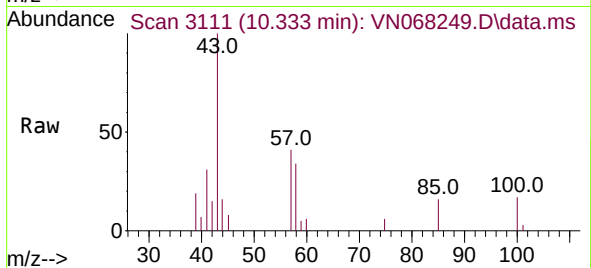




#51
4-Methyl-2-Pentanone
Concen: 1.427 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

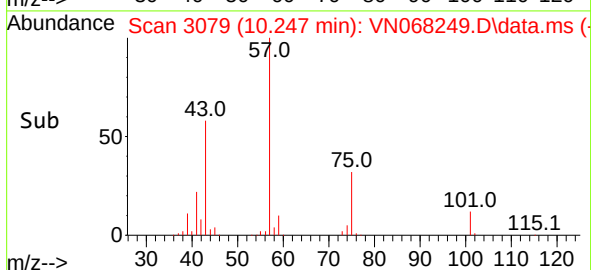
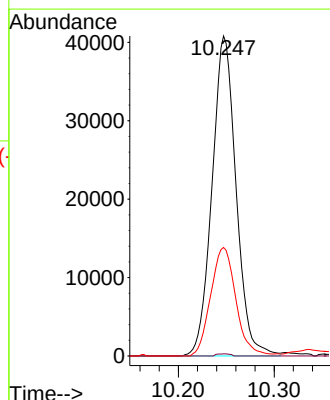
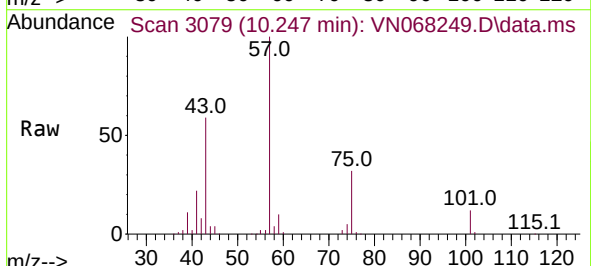
Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#02

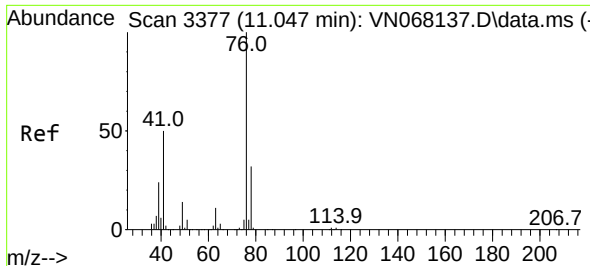
Tgt Ion: 43 Resp: 6832
Ion Ratio Lower Upper
43 100
58 42.2 28.6 43.0



#54
cis-1,3-Dichloropropene
Concen: 10.726 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

Tgt Ion: 75 Resp: 70956
Ion Ratio Lower Upper
75 100
77 0.7 24.6 37.0#
39 33.9 50.7 76.1#

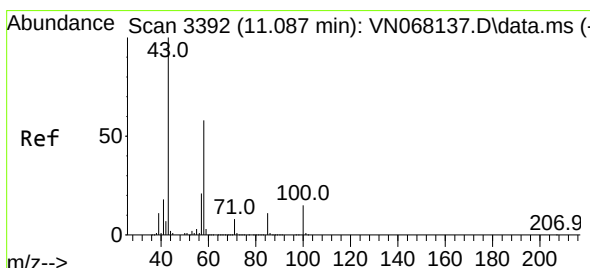
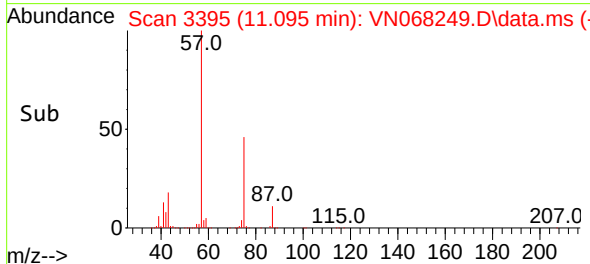
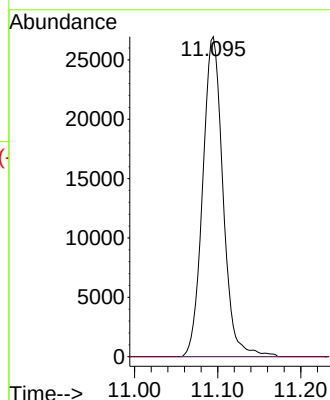
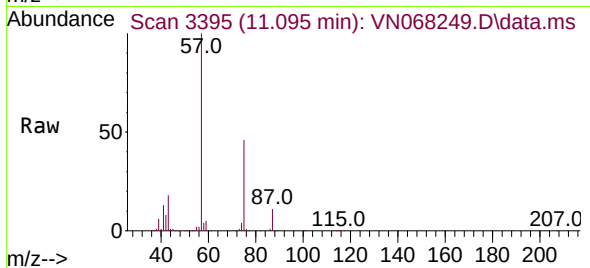




#57
1,3-Dichloropropane
Concen: 6.242 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

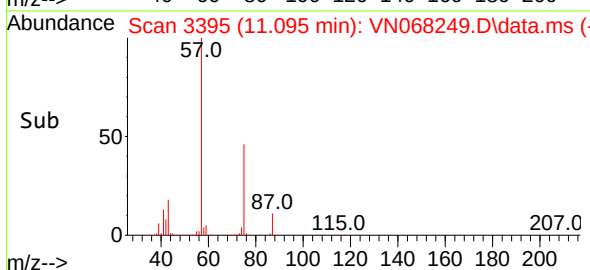
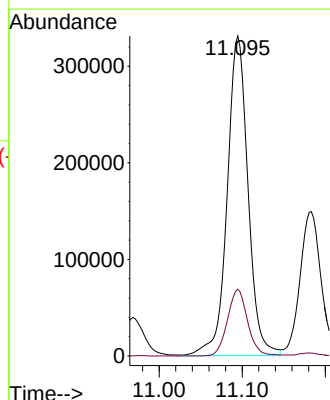
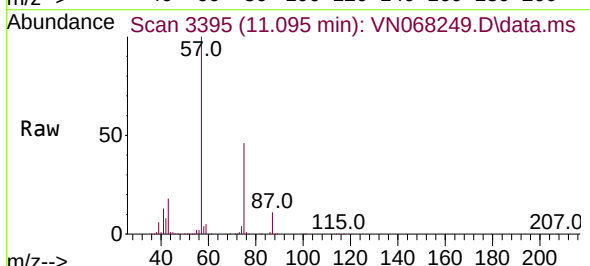
Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#02

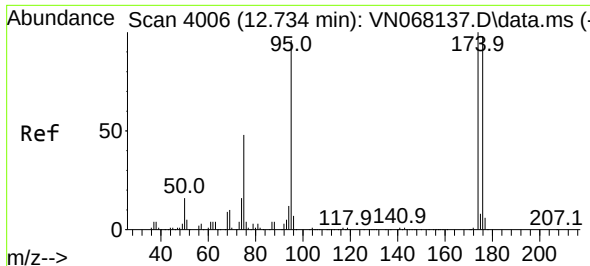
Tgt Ion: 76 Resp: 45664
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 173.810 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

Tgt Ion: 43 Resp: 577862
Ion Ratio Lower Upper
43 100
58 20.2 24.7 74.1#

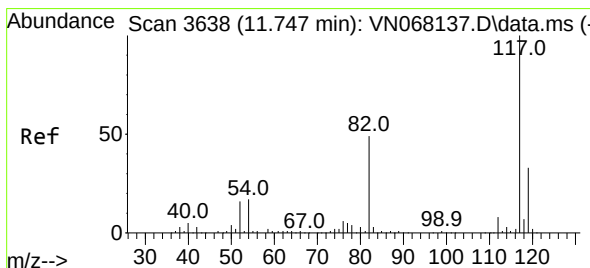
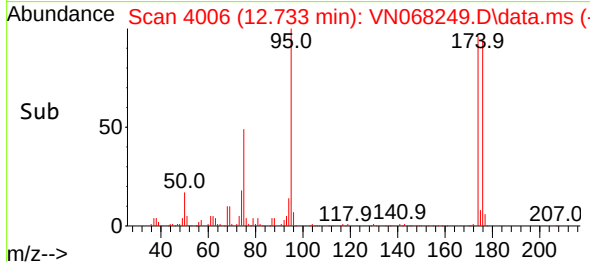
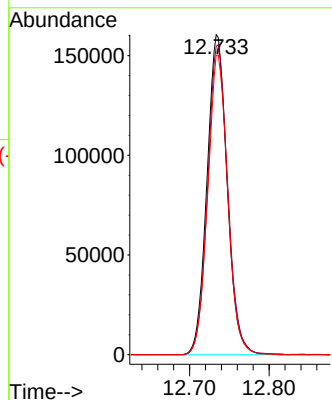
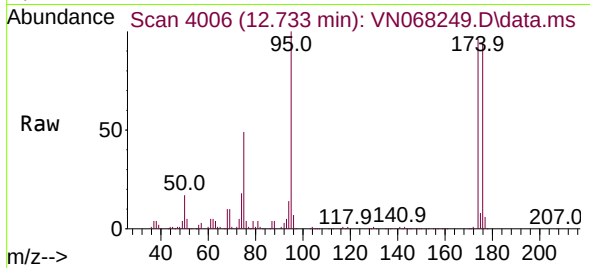




#62
4-Bromofluorobenzene
Concen: 50.810 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

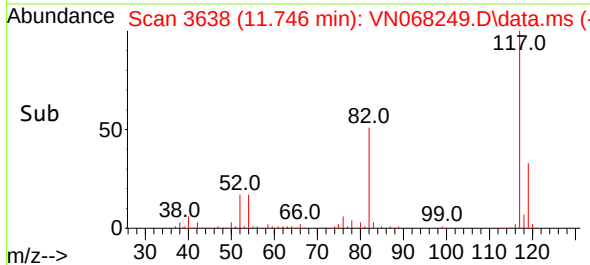
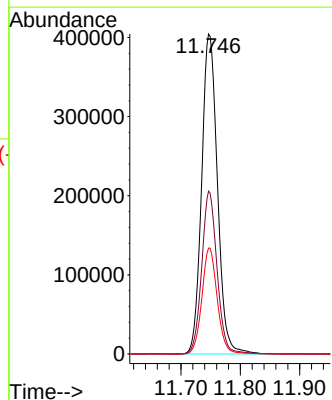
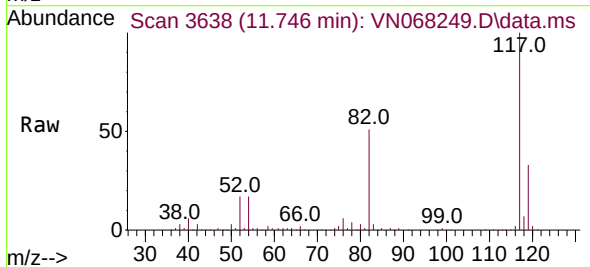
Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#02

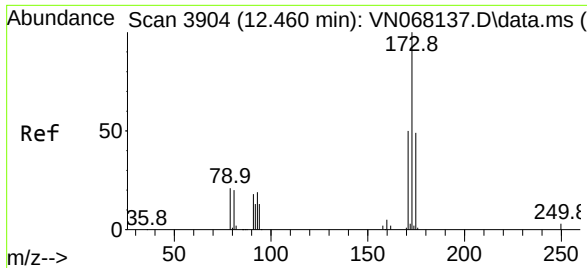
Tgt Ion: 95 Resp: 282731
Ion Ratio Lower Upper
95 100
174 97.4 0.0 122.0
176 92.9 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. -0.001 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

Tgt Ion: 117 Resp: 748107
Ion Ratio Lower Upper
117 100
82 50.9 53.1 79.7#
119 33.1 25.5 38.3

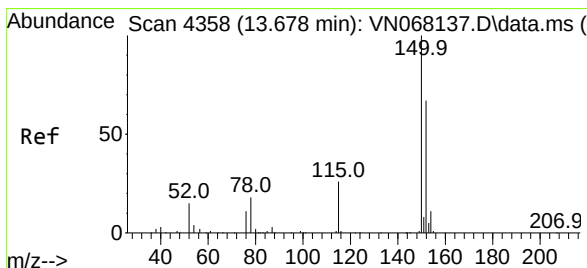
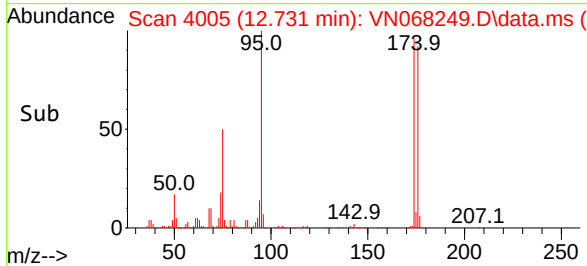
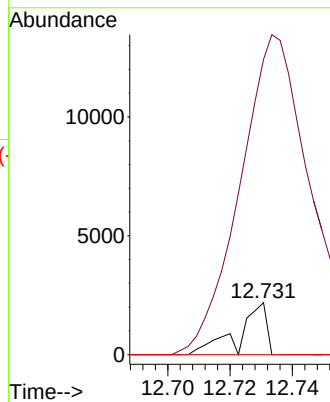
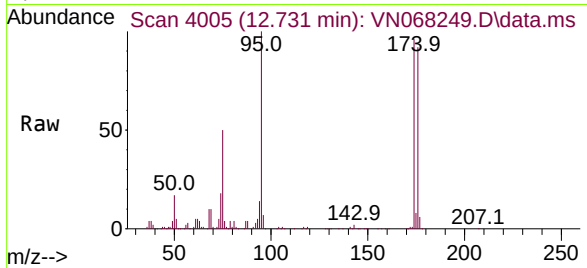




#71
Bromoform
Concen: 0.293 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

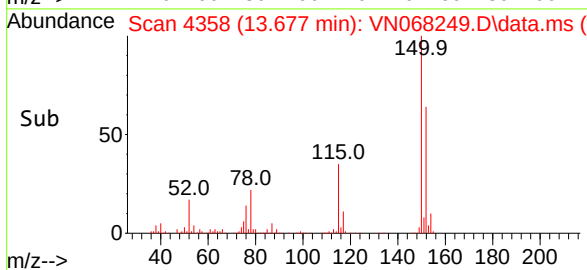
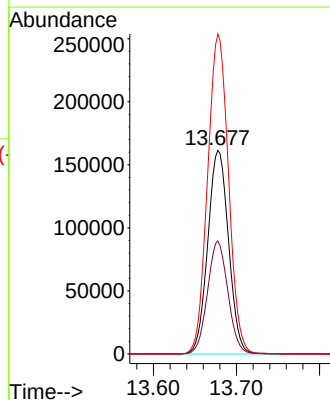
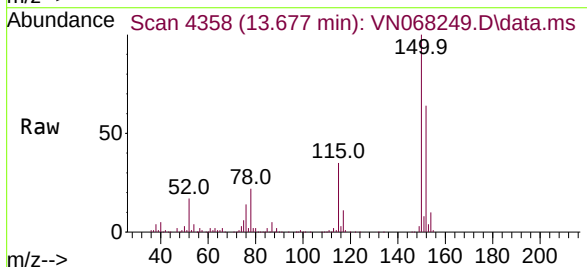
Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#02

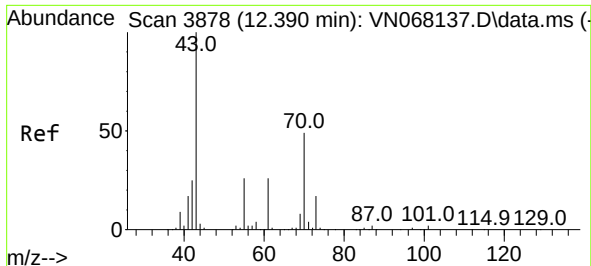
Tgt Ion:173 Resp: 1359
Ion Ratio Lower Upper
173 100
175 1425.5 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.001 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

Tgt Ion:152 Resp: 280220
Ion Ratio Lower Upper
152 100
115 54.5 36.1 108.5
150 158.0 0.0 351.8

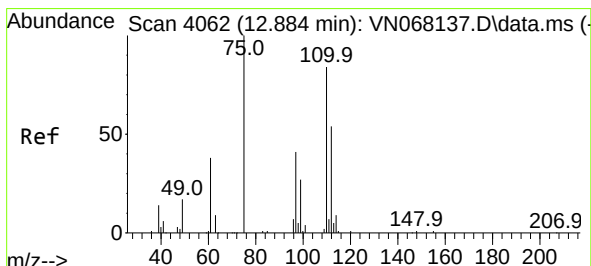
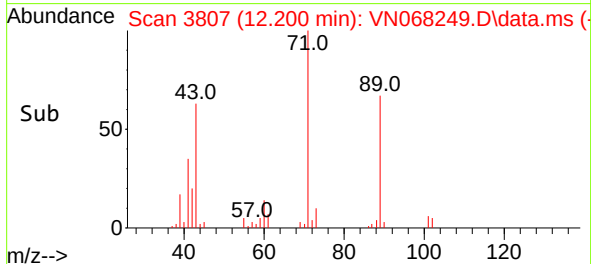
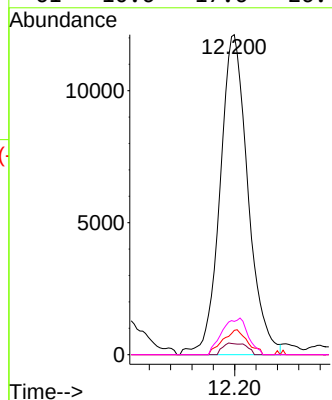
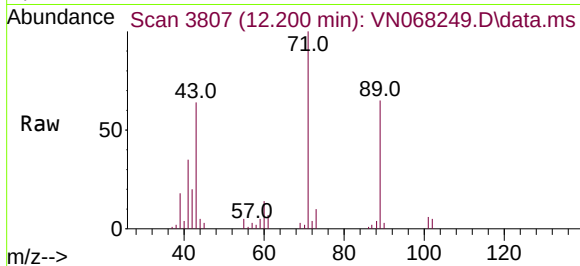




#74
N-amy1 acetate
Concen: 4.232 ug/l
RT: 12.200 min Scan# 3807
Delta R.T. -0.190 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

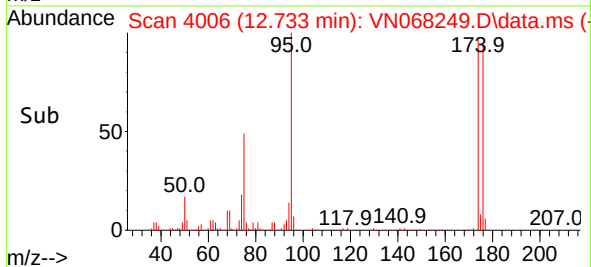
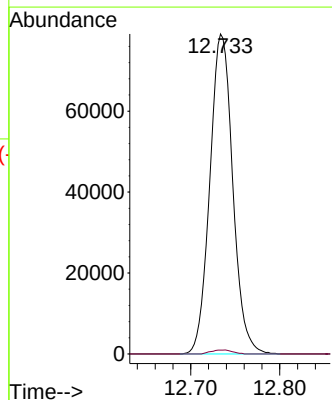
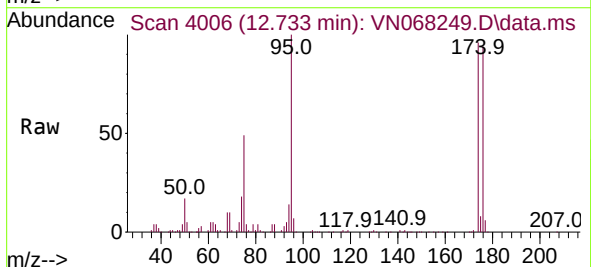
Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#02

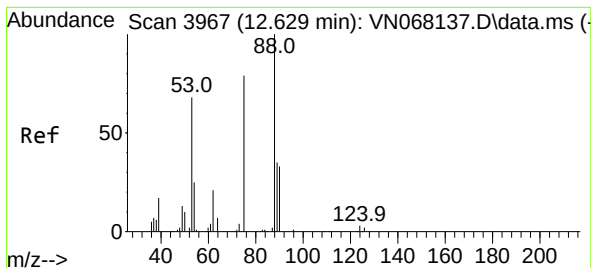
Tgt Ion:	43	Resp:	21962
Ion	Ratio	Lower	Upper
43	100		
70	3.0	29.4	44.2#
55	6.8	17.0	25.4#
61	10.6	17.6	26.4#



#76
1,2,3-Trichloropropane
Concen: 30.342 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

Tgt Ion:	75	Resp:	141318
Ion	Ratio	Lower	Upper
75	100		
77	1.2	0.0	0.0#

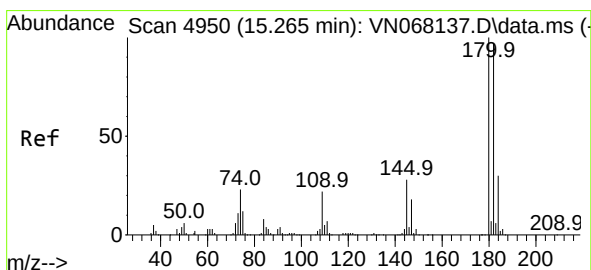
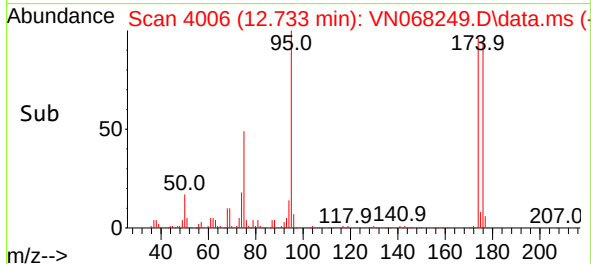
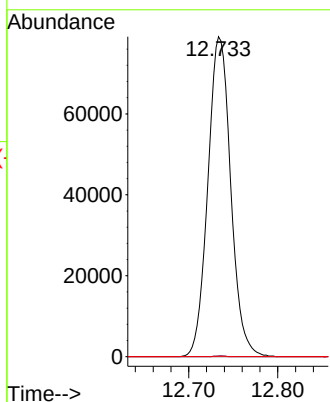
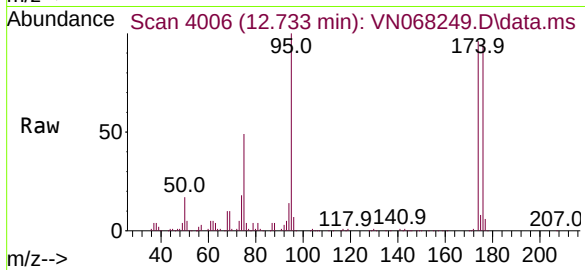




#81
trans-1,4-Dichloro-2-butene
Concen: 99.405 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

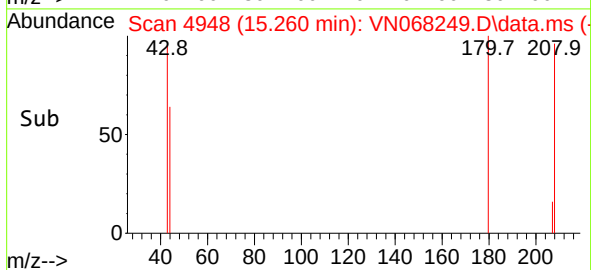
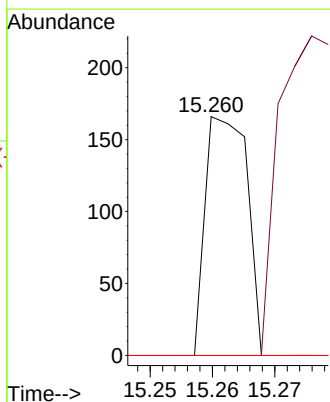
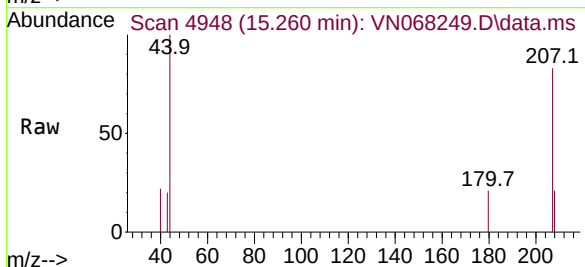
Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#02

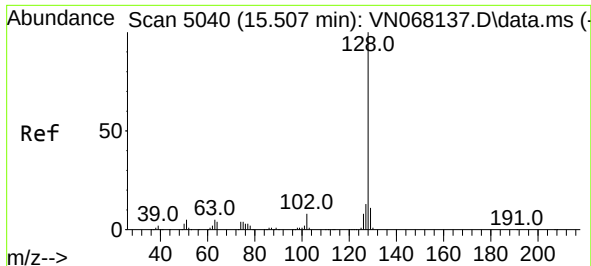
Tgt Ion: 75 Resp: 141318
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#



#93
1,2,4-Trichlorobenzene
Concen: 2.701 ug/l
RT: 15.260 min Scan# 4948
Delta R.T. -0.005 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

Tgt Ion: 180 Resp: 77
Ion Ratio Lower Upper
180 100
182 202.6 47.5 142.5#
145 0.0 17.2 51.6#

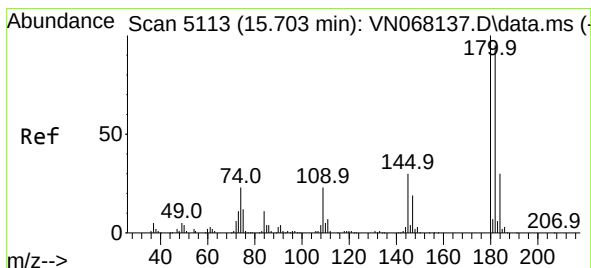
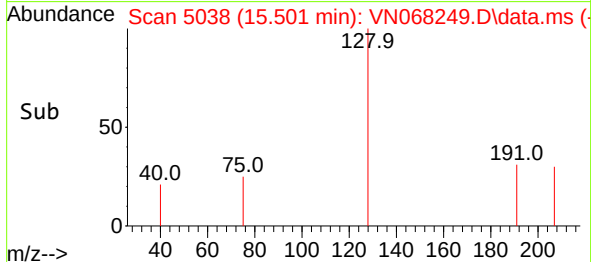
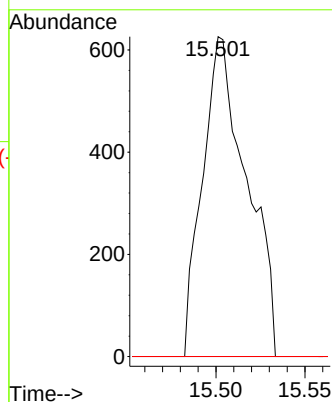
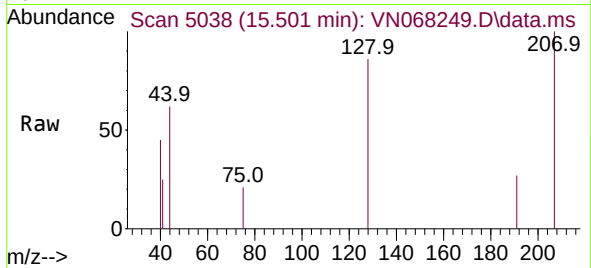




#95
Naphthalene
Concen: 3.436 ug/l
RT: 15.501 min Scan# 5038
Delta R.T. -0.006 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

Instrument :
MSVOA_N
ClientSampleId :
PB138586ZHE#02

Tgt Ion:128	Resp:	1079
Ion Ratio	Lower	Upper
128	100	
127	0.0	10.6 15.8#
129	0.0	8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 2.911 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. -0.001 min
Lab File: VN068249.D
Acq: 20 Aug 2021 16:51

Tgt Ion:180	Resp:	377
Ion Ratio	Lower	Upper
180	100	
182	28.4	47.8 143.3#
145	0.0	18.2 54.6#

