

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082721\
 Data File : VN068344.D
 Acq On : 27 Aug 2021 15:06
 Operator : JC/MD
 Sample : PB138768ZHE#02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB138768ZHE#02

Quant Time: Aug 28 01:28:00 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)

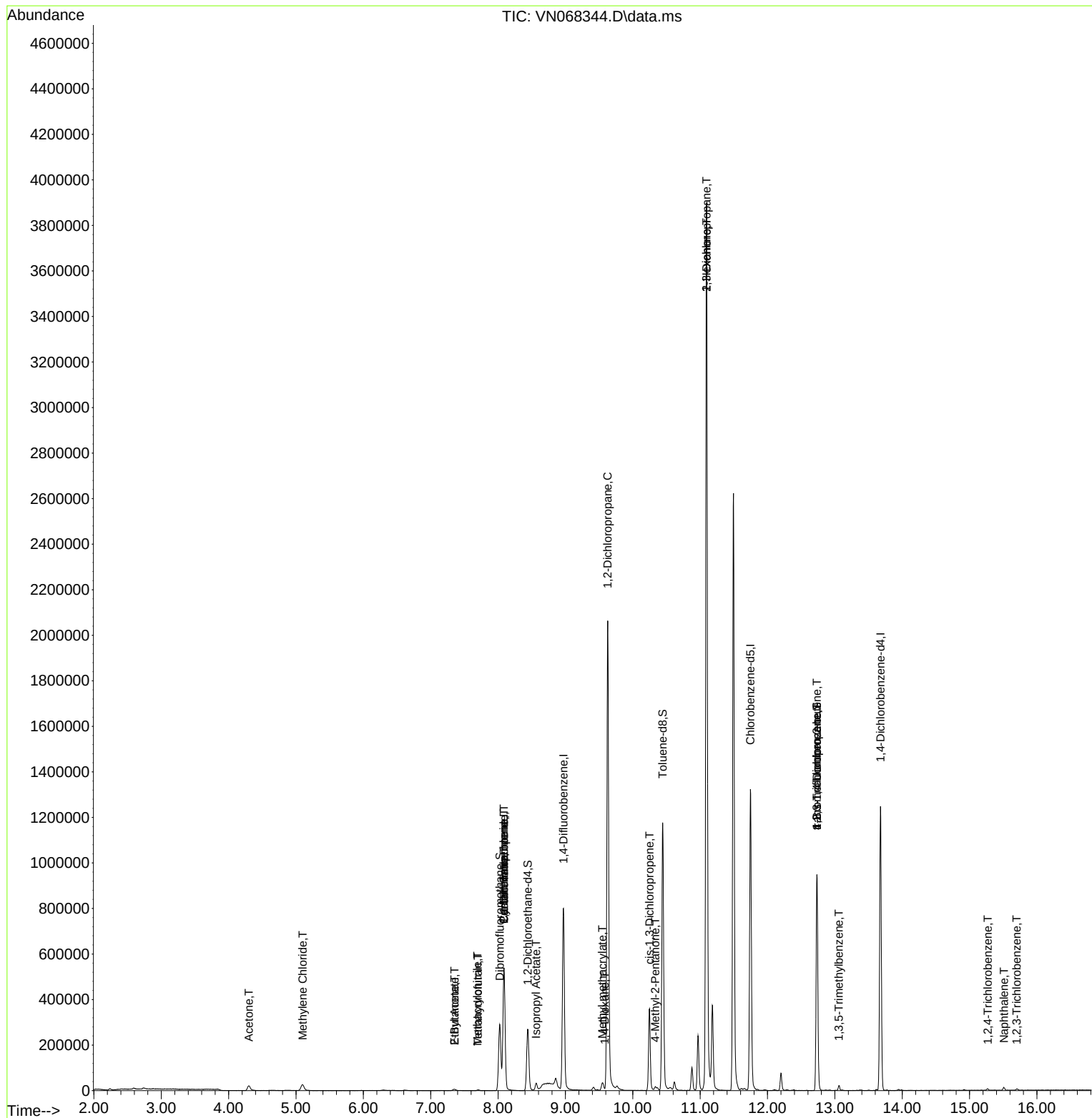
Internal Standards						
1) Pentafluorobenzene	8.088	168	441169	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	767406	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	865381	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	373870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	234184	49.716	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	99.440%		
35) Dibromofluoromethane	8.027	113	214220	44.463	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	88.920%		
50) Toluene-d8	10.443	98	869349	47.355	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	94.700%		
62) 4-Bromofluorobenzene	12.734	95	322316	52.741	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	105.480%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.824	94	125	Below Cal	#	4
6) Chloroethane	3.006	64	174	Below Cal	#	44
13) Acrolein	4.033	56	128	Below Cal	#	64
16) Acetone	4.299	43	41393	30.097	ug/l	# 85
18) Methyl Acetate	4.849	43	461	Below Cal	#	54
20) Methylene Chloride	5.098	84	22085	3.841	ug/l	85
25) 2-Butanone	7.354	43	9023	4.210	ug/l	96
29) Tetrahydrofuran	7.700	42	988	0.721	ug/l	# 58
31) Cyclohexane	8.088	56	7637	1.231	ug/l	# 1
36) 1,1-Dichloropropene	8.088	75	28898	4.607	ug/l	# 51
37) Ethyl Acetate	7.354	43	9023	1.688	ug/l	# 69
38) Carbon Tetrachloride	8.088	117	41856	5.785	ug/l	# 17
41) Methacrylonitrile	7.694	41	505	0.207	ug/l	# 26
43) Isopropyl Acetate	8.566	43	36340	4.245	ug/l	# 91
45) 1,2-Dichloropropane	9.625	63	2494	0.554	ug/l	# 44
48) Methyl methacrylate	9.547	41	8117	2.275	ug/l	# 12
49) 1,4-Dioxane	9.582	88	80	0.928	ug/l	# 20
51) 4-Methyl-2-Pentanone	10.336	43	7733	1.471	ug/l	# 72
54) cis-1,3-Dichloropropene	10.247	75	69825	9.611	ug/l	# 57
57) 1,3-Dichloropropane	11.095	76	46160	5.745	ug/l	# 43
59) 2-Hexanone	11.095	43	553371	151.550	ug/l	# 58
76) 1,2,3-Trichloropropane	12.734	75	159365	25.646	ug/l	# 100
80) 1,3,5-Trimethylbenzene	13.061	105	11774	0.547	ug/l	# 91
81) trans-1,4-Dichloro-2-b...	12.734	75	159365	84.020	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.271	180	2750	3.102	ug/l	92
95) Naphthalene	15.509	128	12634	4.148	ug/l	# 78
96) 1,2,3-Trichlorobenzene	15.700	180	2949	3.301	ug/l	94

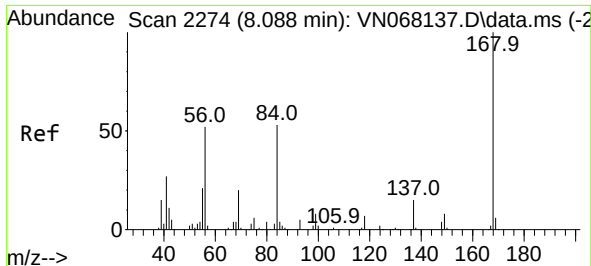
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 14 Sample Multiplier: 1

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Quant Title : SW846 8260
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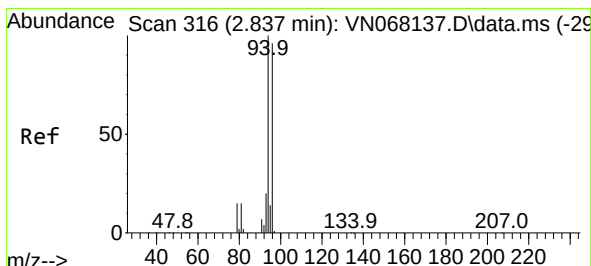
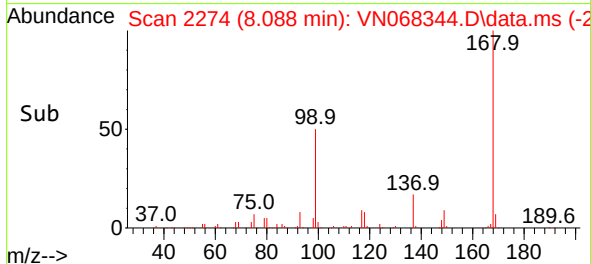
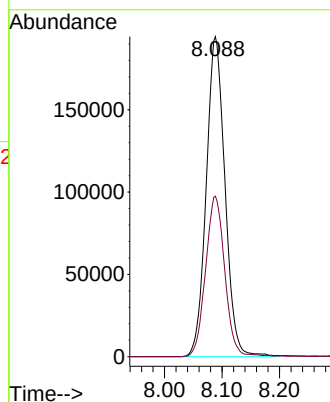
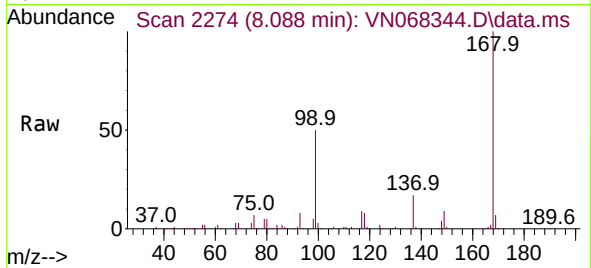




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

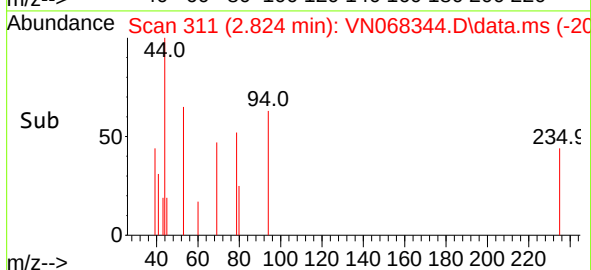
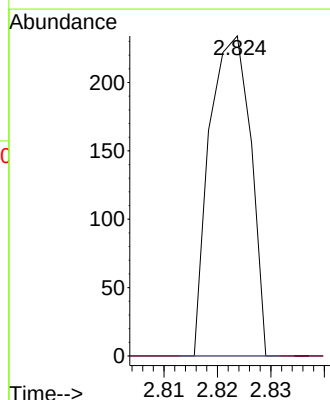
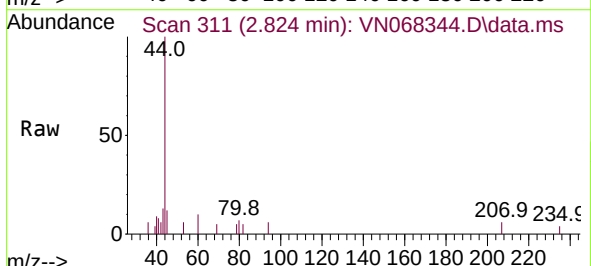
Instrument :
MSVOA_N
ClientSampleId :
PB138768ZHE#02

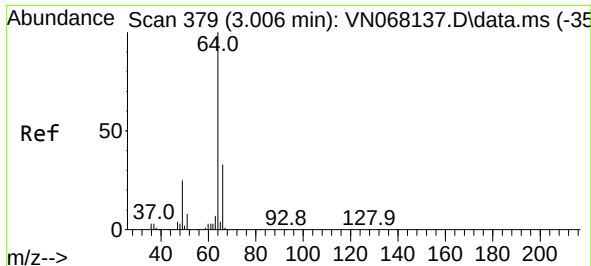
Tgt Ion:168 Resp: 441169
Ion Ratio Lower Upper
168 100
99 50.2 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.824 min Scan# 311
Delta R.T. -0.013 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

Tgt Ion: 94 Resp: 125
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#

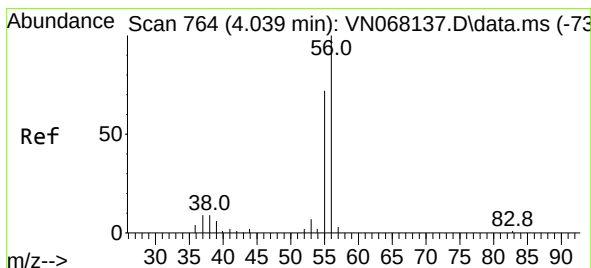
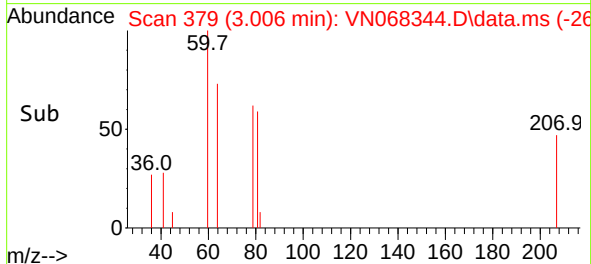
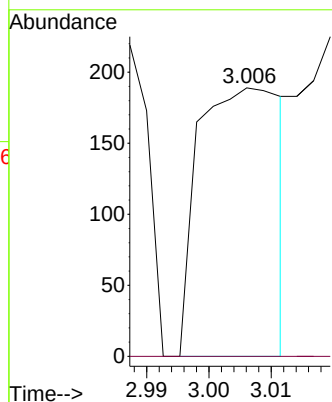
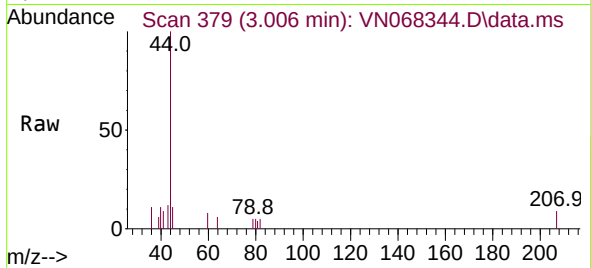




#6
Chloroethane
Concen: Below Cal
RT: 3.006 min Scan# 379
Delta R.T. 0.000 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

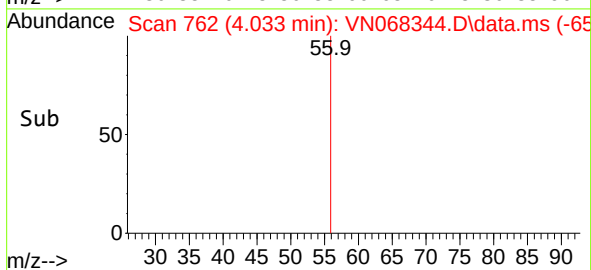
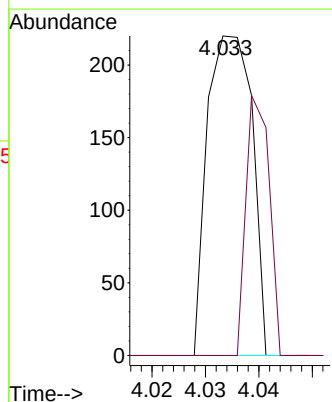
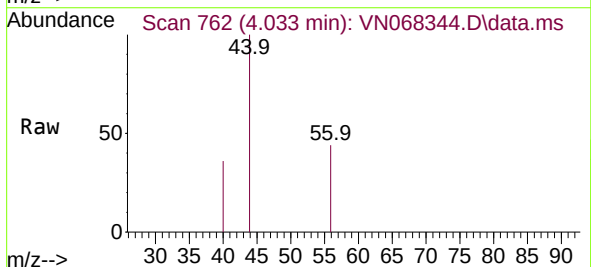
Instrument :
MSVOA_N
ClientSampleId :
PB138768ZHE#02

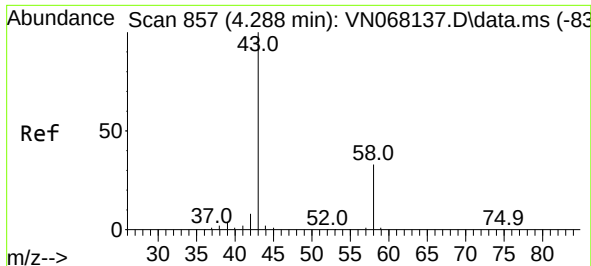
Tgt Ion: 64 Resp: 174
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.033 min Scan# 762
Delta R.T. -0.006 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

Tgt Ion: 56 Resp: 128
Ion Ratio Lower Upper
56 100
55 42.2 57.4 86.0#

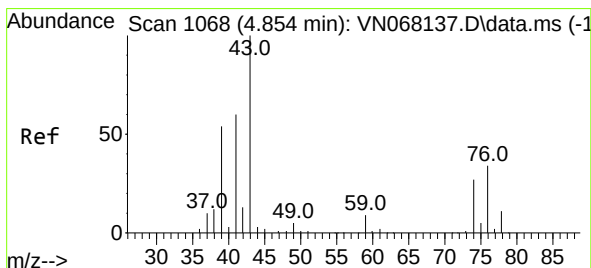
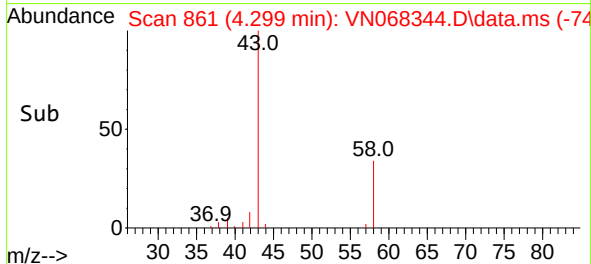
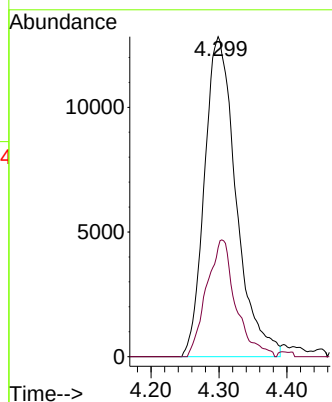
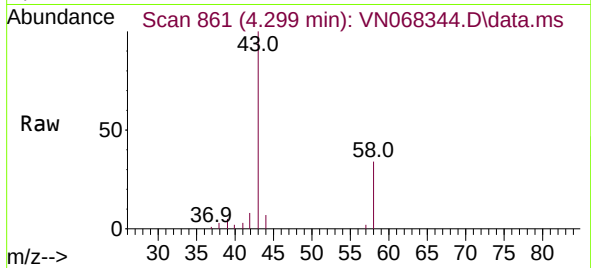




#16
Acetone
Concen: 30.097 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

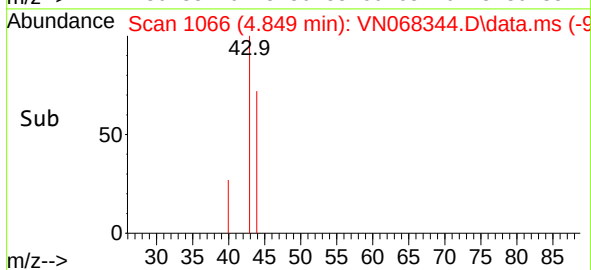
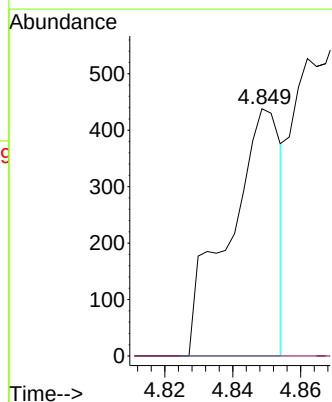
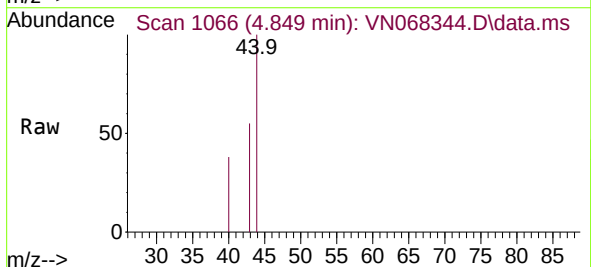
Instrument :
MSVOA_N
ClientSampleId :
PB138768ZHE#02

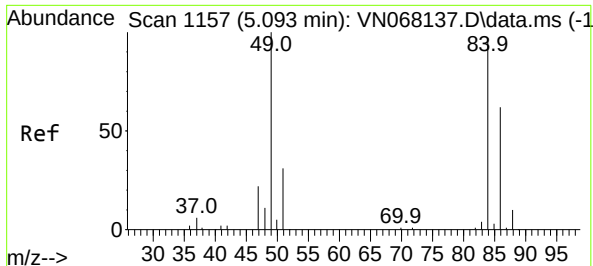
Tgt Ion: 43 Resp: 41393
Ion Ratio Lower Upper
43 100
58 34.0 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.849 min Scan# 1066
Delta R.T. -0.005 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

Tgt Ion: 43 Resp: 461
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#

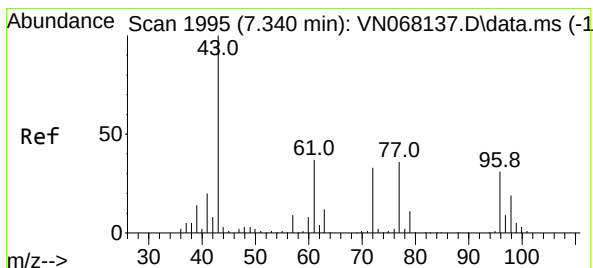
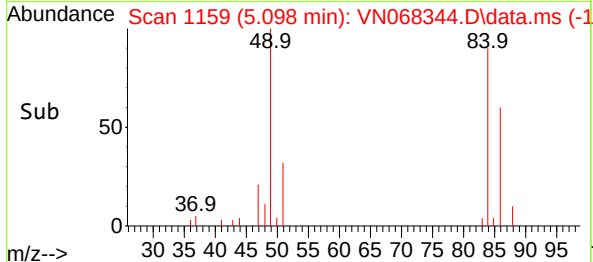
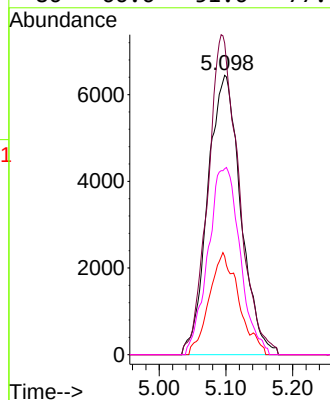
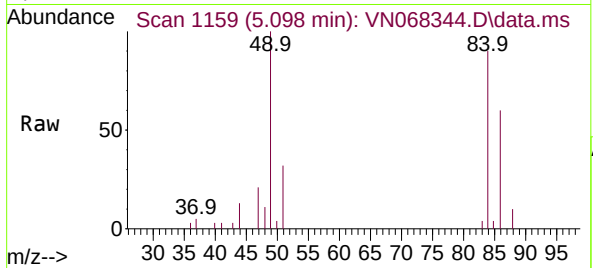




#20
Methylene Chloride
Concen: 3.841 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.005 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

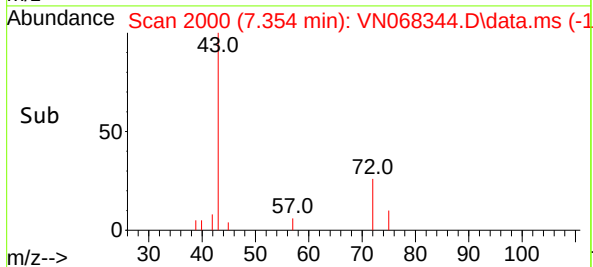
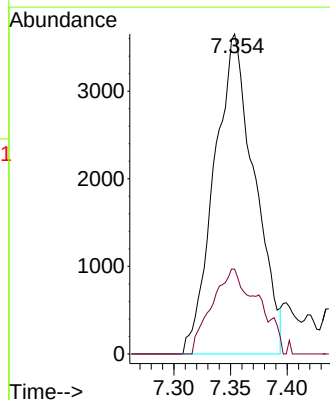
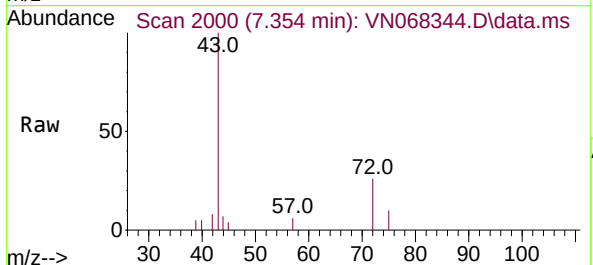
Instrument :
MSVOA_N
ClientSampleId :
PB138768ZHE#02

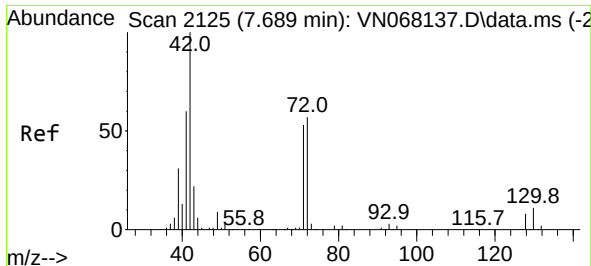
Tgt Ion:	84	Resp:	22085
Ion	Ratio	Lower	Upper
84	100		
49	111.5	110.9	166.3
51	35.2	32.6	49.0
86	66.6	51.6	77.4



#25
2-Butanone
Concen: 4.210 ug/l
RT: 7.354 min Scan# 2000
Delta R.T. 0.014 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

Tgt Ion:	43	Resp:	9023
Ion	Ratio	Lower	Upper
43	100		
72	26.5	19.7	29.5





#29

Tetrahydrofuran

Concen: 0.721 ug/l

RT: 7.700 min Scan# 2129

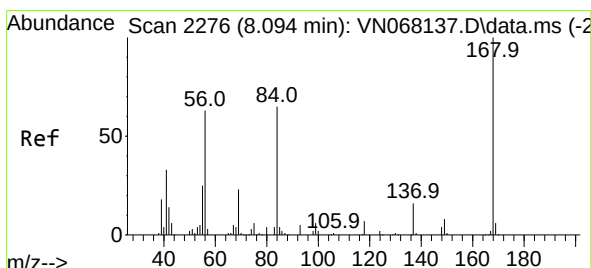
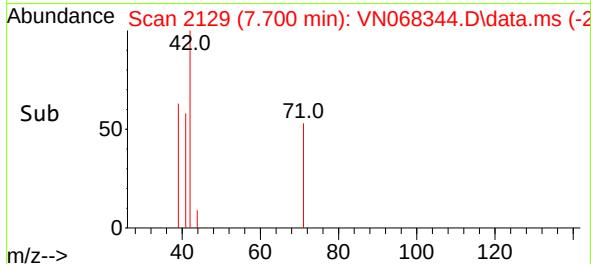
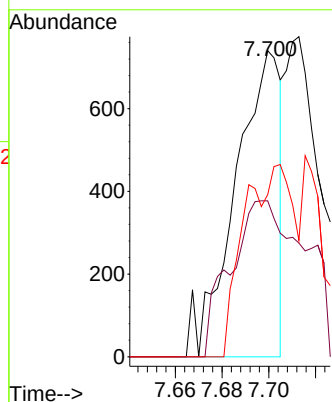
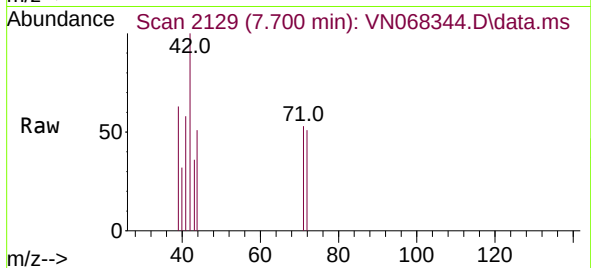
Delta R.T. 0.011 min

Lab File: VN068344.D

Acq: 27 Aug 2021 15:06

Tgt Ion:	42	Resp:	988
Ion	Ratio	Lower	Upper
42	100		
72	85.0	32.8	49.2#
71	31.1	31.2	46.8#

Instrument :
MSVOA_N
ClientSampleId :
PB138768ZHE#02



#31

Cyclohexane

Concen: 1.231 ug/l

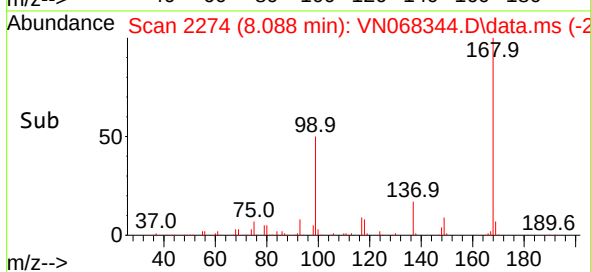
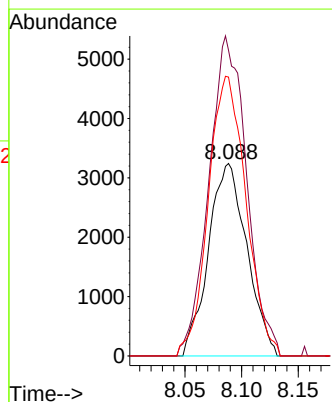
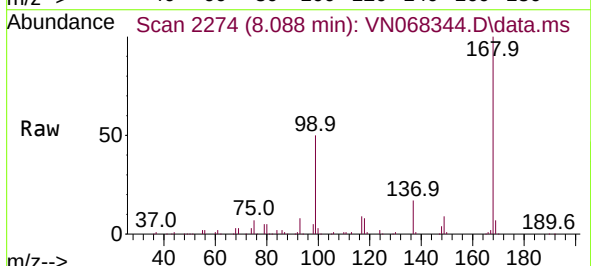
RT: 8.088 min Scan# 2274

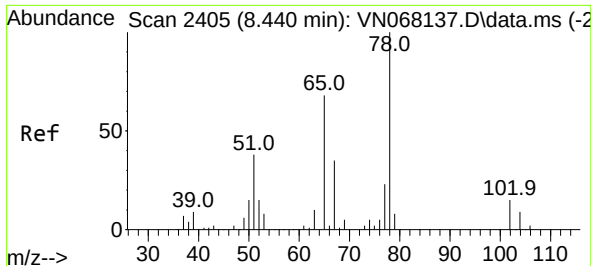
Delta R.T. -0.006 min

Lab File: VN068344.D

Acq: 27 Aug 2021 15:06

Tgt Ion:	56	Resp:	7637
Ion	Ratio	Lower	Upper
56	100		
69	158.8	27.3	40.9#
84	144.9	64.9	97.3#

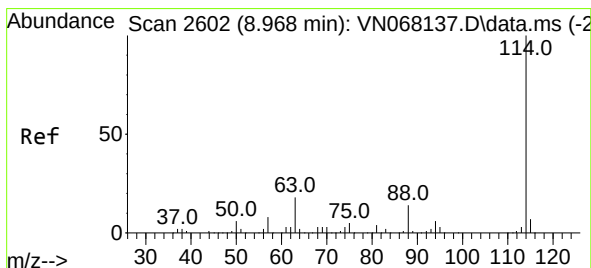
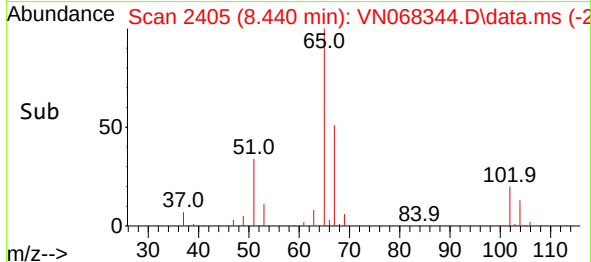
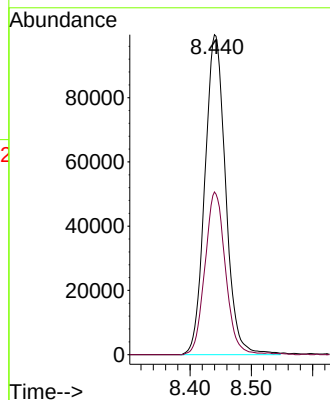
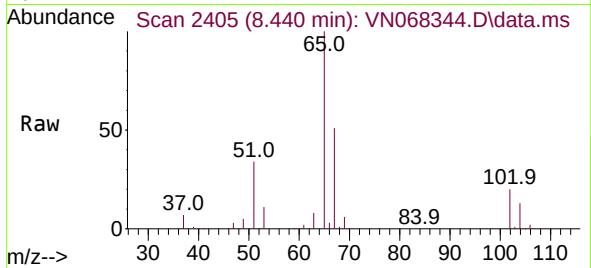




#33
 1,2-Dichloroethane-d4
 Concen: 49.716 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068344.D
 Acq: 27 Aug 2021 15:06

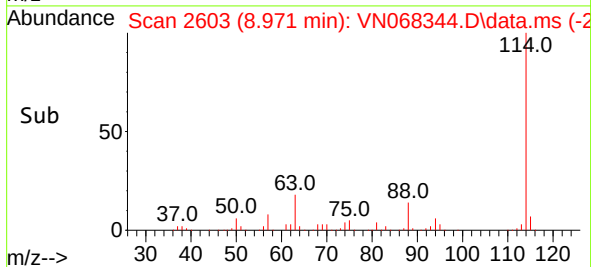
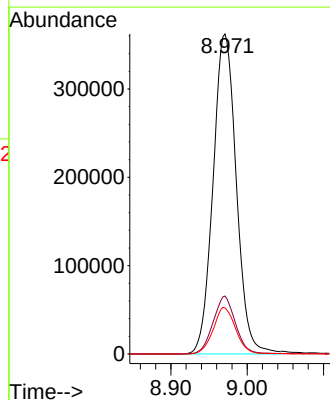
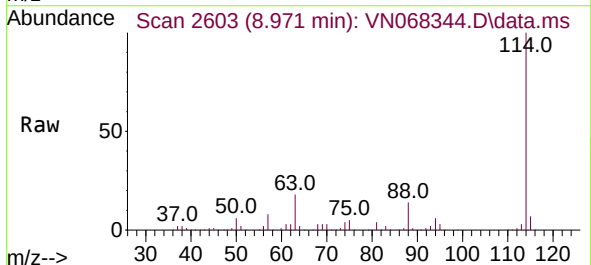
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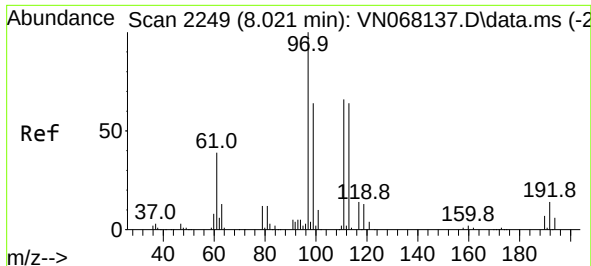
Tgt Ion: 65 Resp: 234184
 Ion Ratio Lower Upper
 65 100
 67 50.3 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068344.D
 Acq: 27 Aug 2021 15:06

Tgt Ion: 114 Resp: 767406
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 49.0
 88 14.4 0.0 36.6

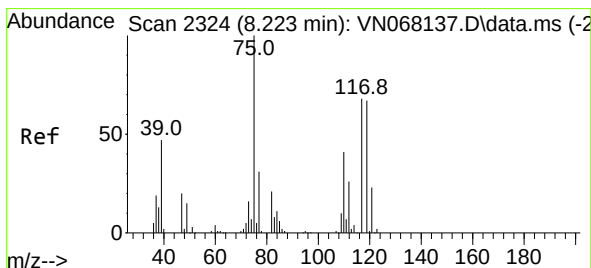
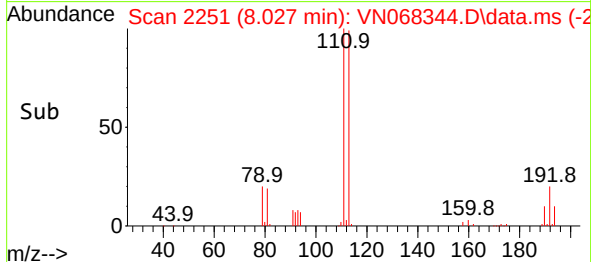
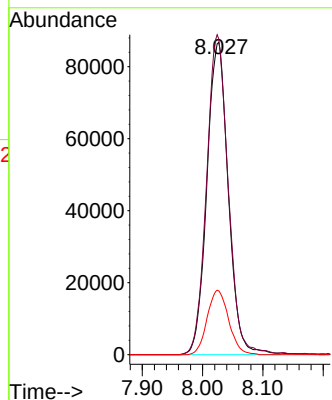
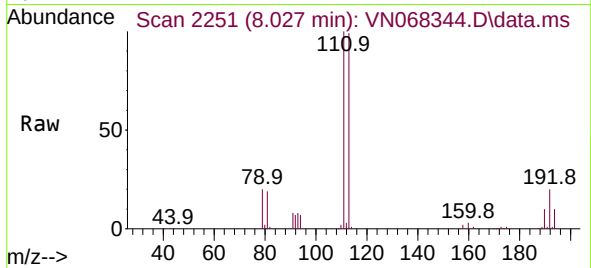




#35
Dibromofluoromethane
Concen: 44.463 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.006 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

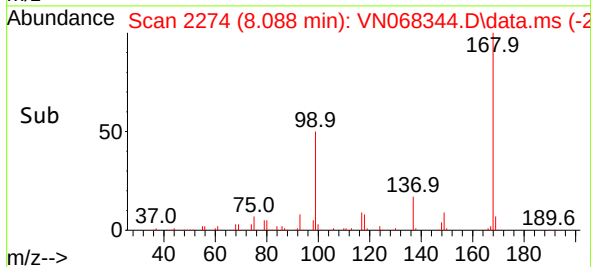
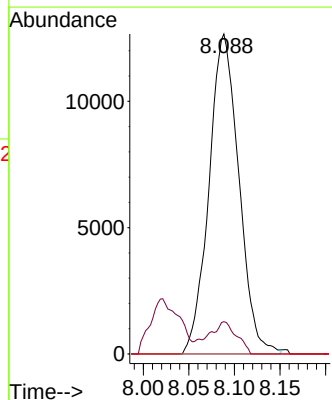
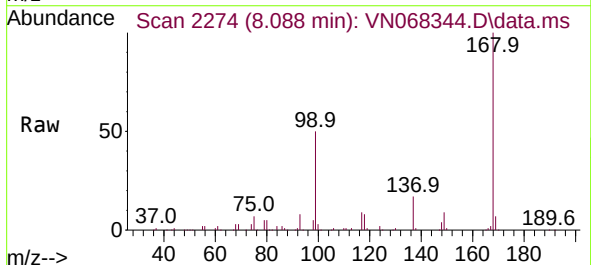
Instrument :
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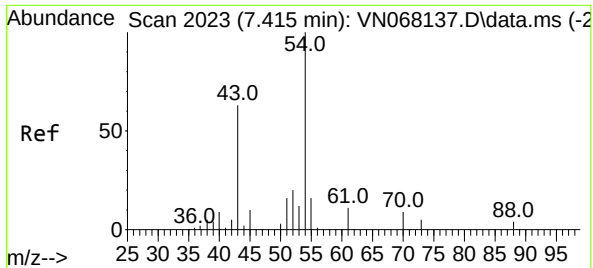
Tgt Ion:113 Resp: 214220
Ion Ratio Lower Upper
113 100
111 102.7 83.8 125.8
192 20.7 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.607 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

Tgt Ion: 75 Resp: 28898
Ion Ratio Lower Upper
75 100
110 8.6 15.7 47.0#
77 0.0 24.6 37.0#

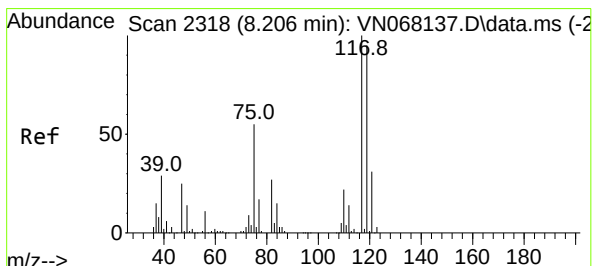
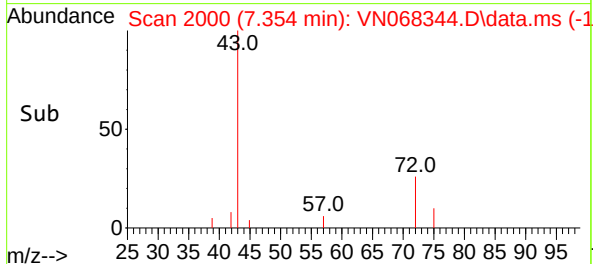
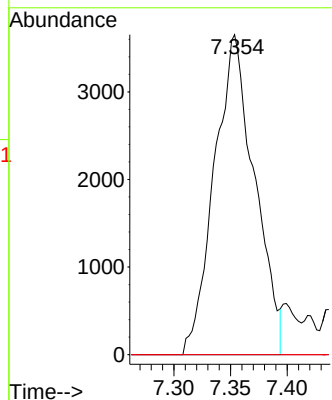
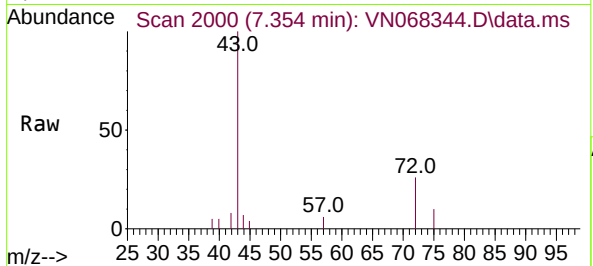




#37
Ethyl Acetate
Concen: 1.688 ug/l
RT: 7.354 min Scan# 2000
Delta R.T. -0.061 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

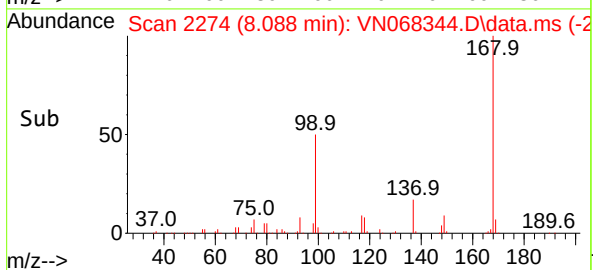
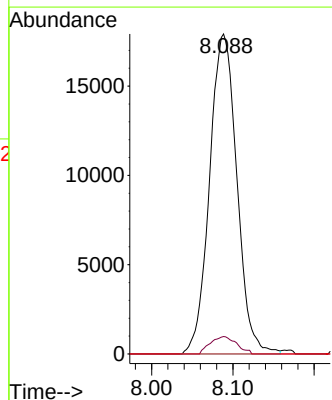
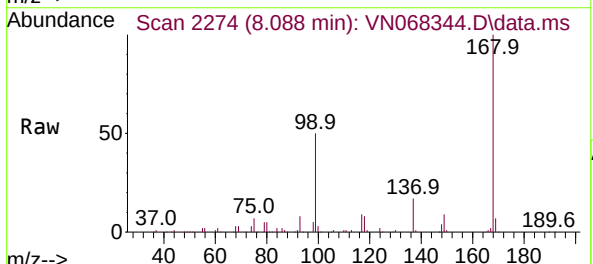
Instrument :
MSVOA_N
ClientSampleId :
PB138768ZHE#02

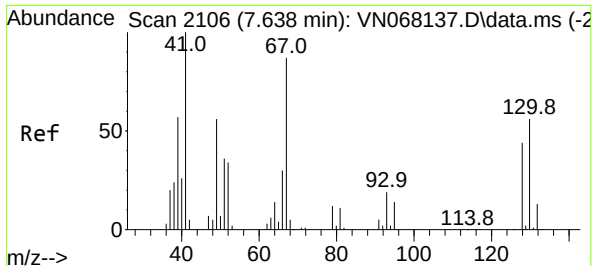
Tgt Ion:	43	Resp:	9023
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.1	12.1#



#38
Carbon Tetrachloride
Concen: 5.785 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

Tgt Ion:	117	Resp:	41856
Ion	Ratio	Lower	Upper
117	100		
119	5.4	75.4	113.2#
121	0.0	23.5	35.3#

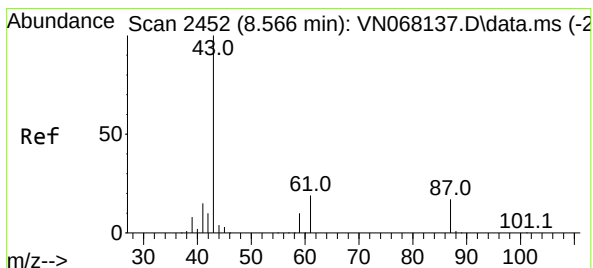
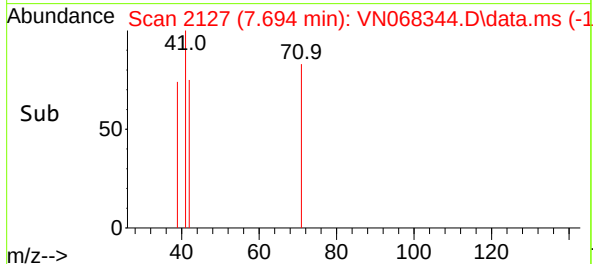
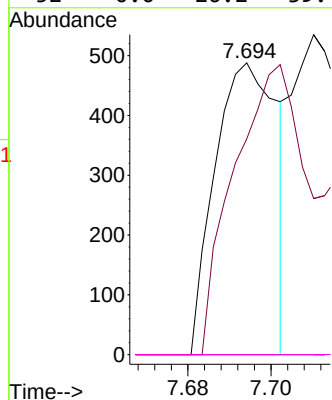
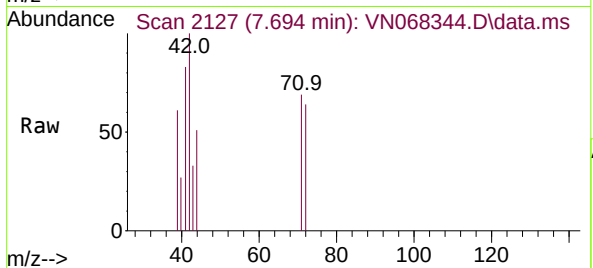




#41
Methacrylonitrile
Concen: 0.207 ug/l
RT: 7.694 min Scan# 2127
Delta R.T. 0.056 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

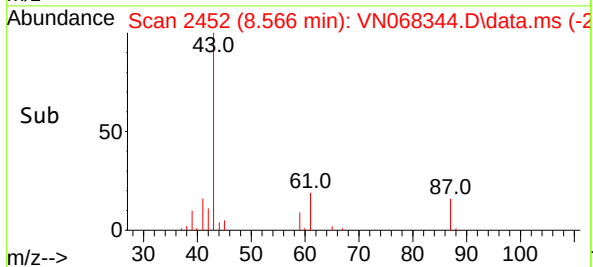
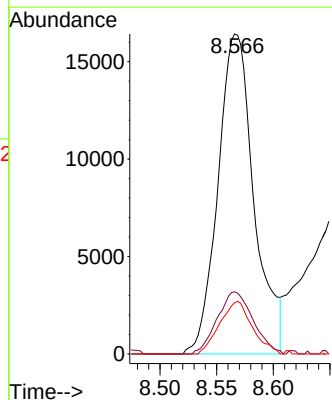
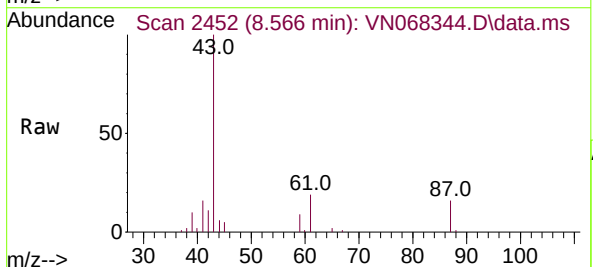
Instrument :
MSVOA_N
ClientSampleId :
PB138768ZHE#02

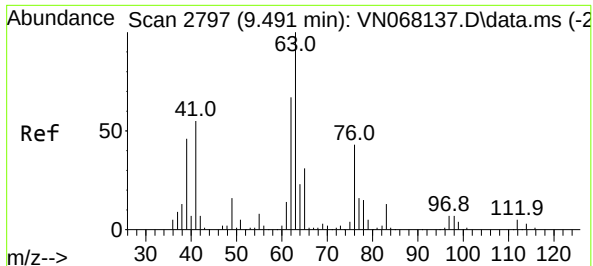
Tgt Ion:	41	Resp:	505
Ion	Ratio	Lower	Upper
41	100		
39	110.7	47.6	71.4#
67	0.0	57.7	86.5#
52	0.0	26.2	39.4#



#43
Isopropyl Acetate
Concen: 4.245 ug/l
RT: 8.566 min Scan# 2452
Delta R.T. -0.000 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

Tgt Ion:	43	Resp:	36340
Ion	Ratio	Lower	Upper
43	100		
61	19.2	19.0	28.4
87	14.8	9.5	14.3#

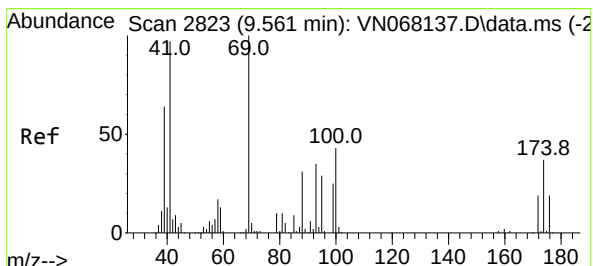
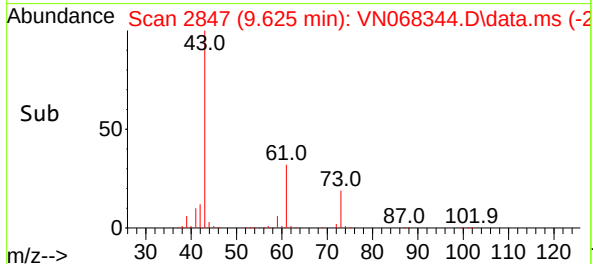
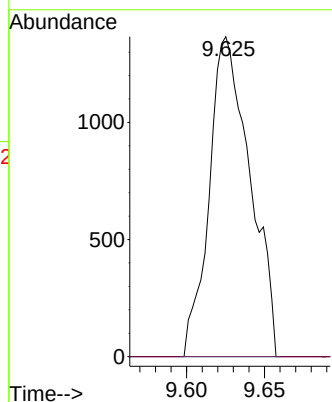
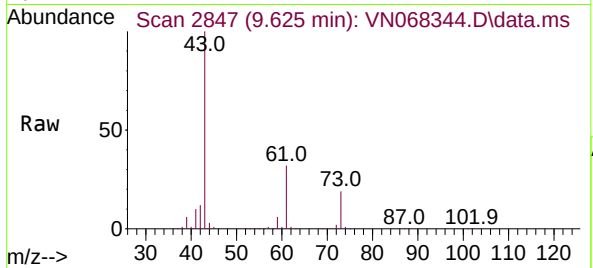




#45
1,2-Dichloropropane
Concen: 0.554 ug/l
RT: 9.625 min Scan# 2847
Delta R.T. 0.134 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

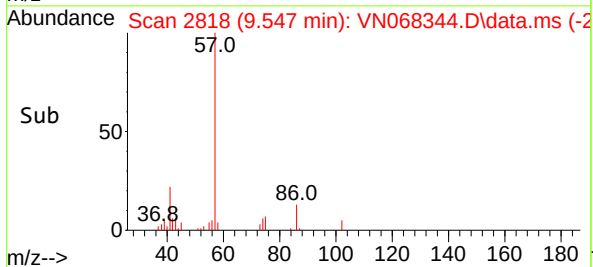
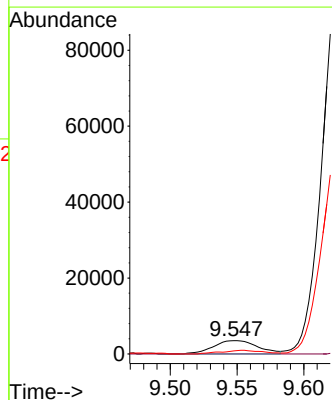
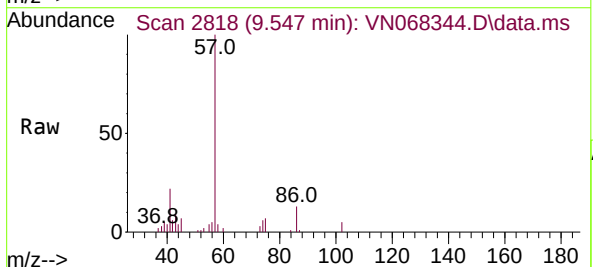
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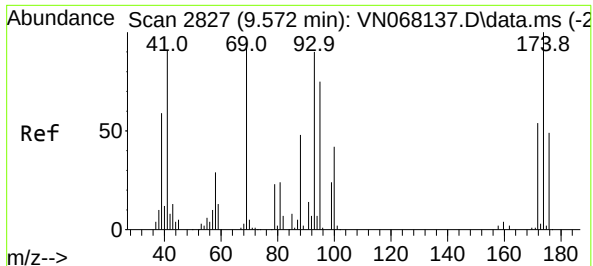
Tgt Ion: 63 Resp: 2494
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#



#48
Methyl methacrylate
Concen: 2.275 ug/l
RT: 9.547 min Scan# 2818
Delta R.T. -0.014 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

Tgt Ion: 41 Resp: 8117
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#

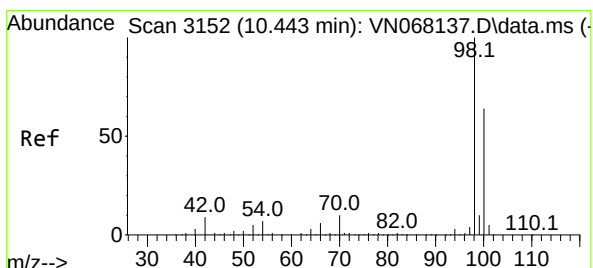
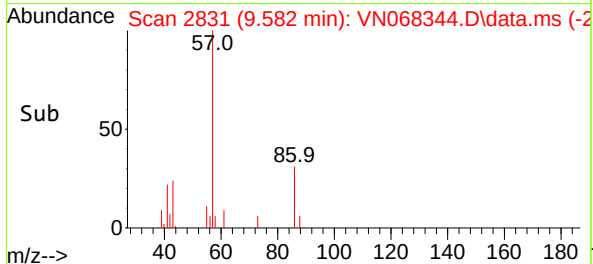
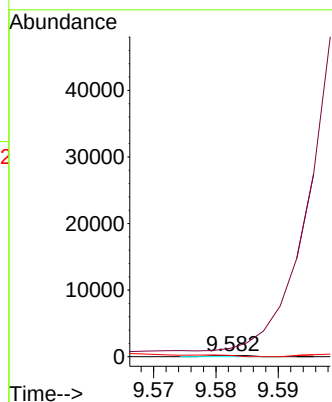
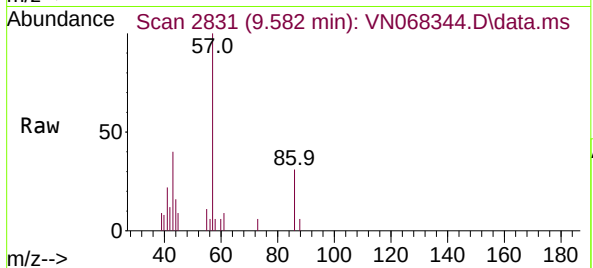




#49
1,4-Dioxane
Concen: 0.928 ug/l
RT: 9.582 min Scan# 2831
Delta R.T. 0.010 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

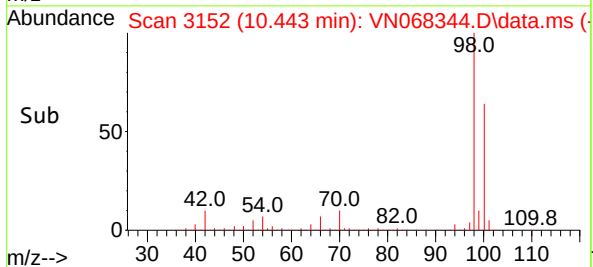
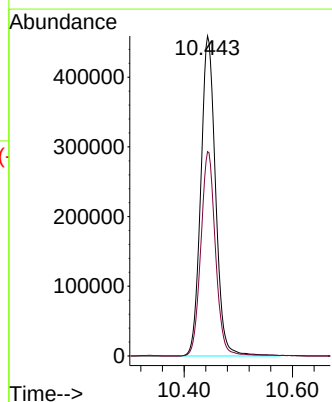
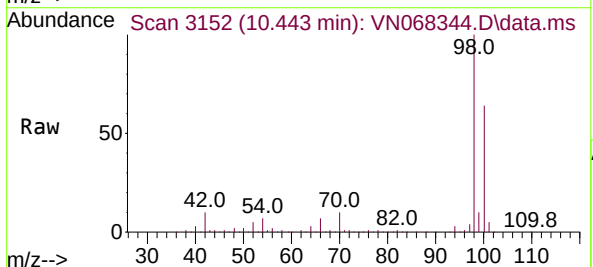
Instrument :
MSVOA_N
ClientSampleId :
PB138768ZHE#02

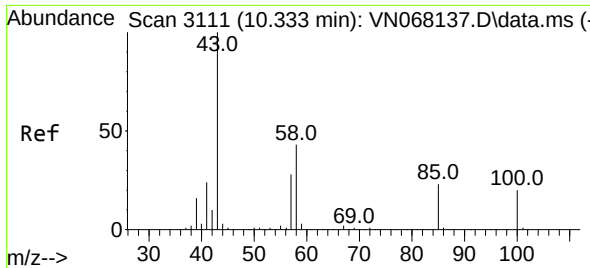
Tgt Ion: 88 Resp: 80
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 60.4 90.6#



#50
Toluene-d8
Concen: 47.355 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

Tgt Ion: 98 Resp: 869349
Ion Ratio Lower Upper
98 100
100 63.3 51.7 77.5

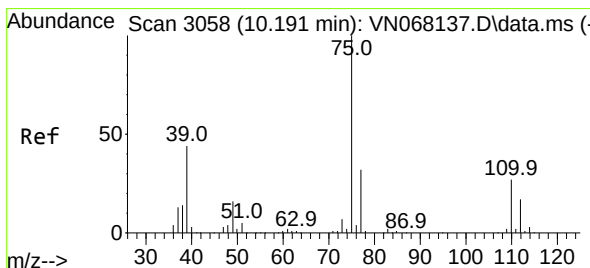
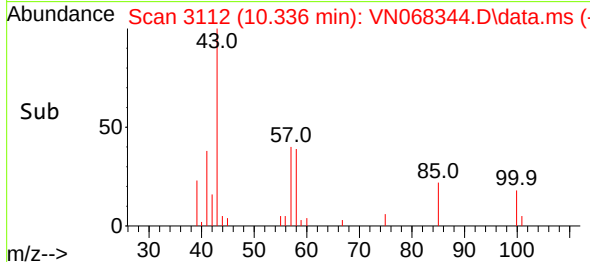
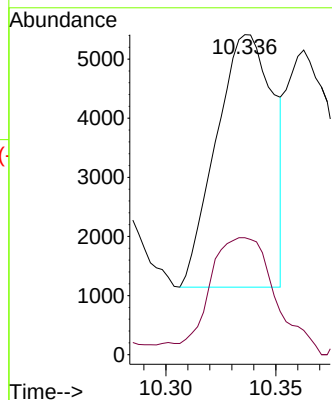
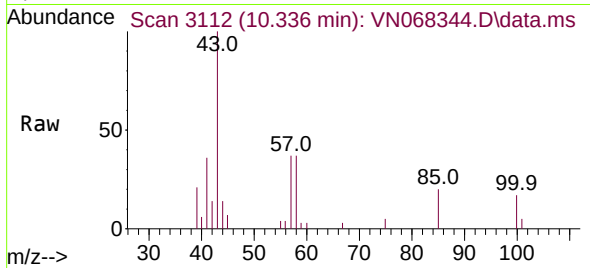




#51
4-Methyl-2-Pentanone
Concen: 1.471 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

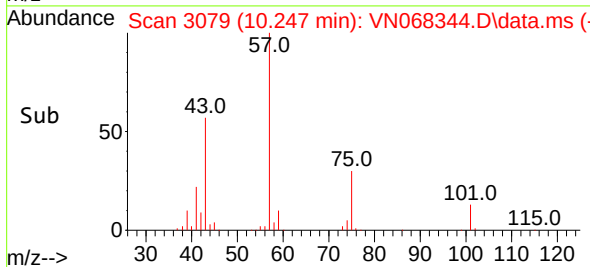
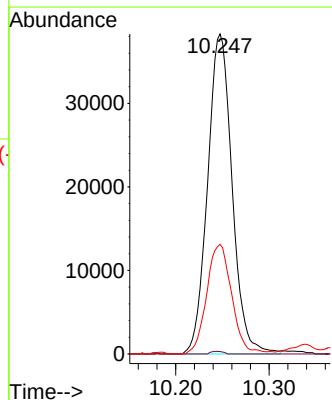
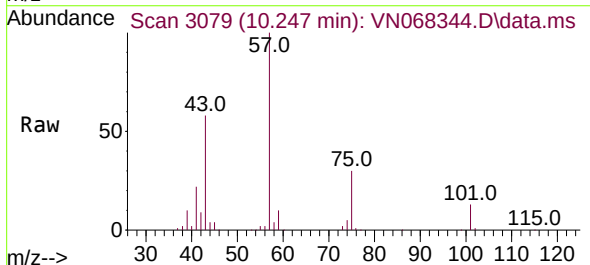
Instrument :
MSVOA_N
ClientSampleId :
PB138768ZHE#02

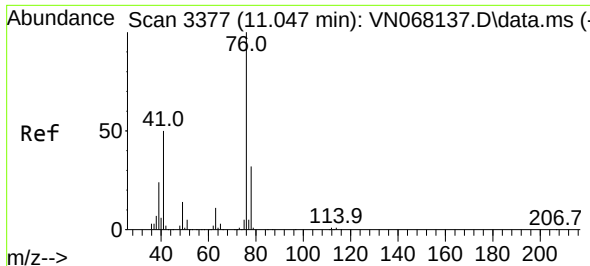
Tgt Ion: 43 Resp: 7733
Ion Ratio Lower Upper
43 100
58 52.5 28.6 43.0#



#54
cis-1,3-Dichloropropene
Concen: 9.611 ug/l
RT: 10.247 min Scan# 3079
Delta R.T. 0.056 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

Tgt Ion: 75 Resp: 69825
Ion Ratio Lower Upper
75 100
77 0.7 24.6 37.0#
39 34.2 50.7 76.1#

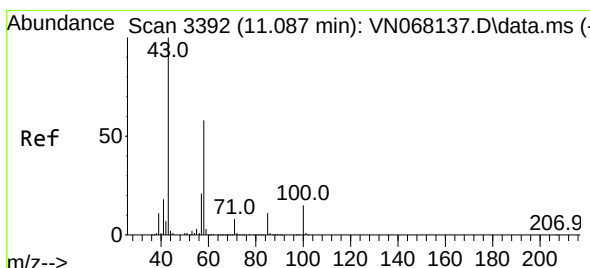
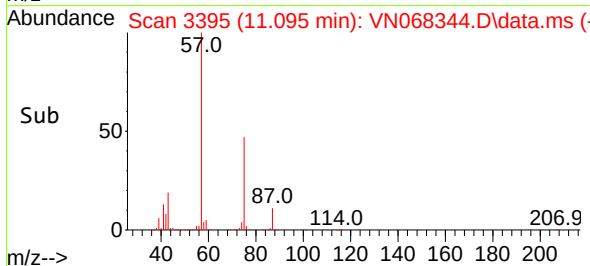
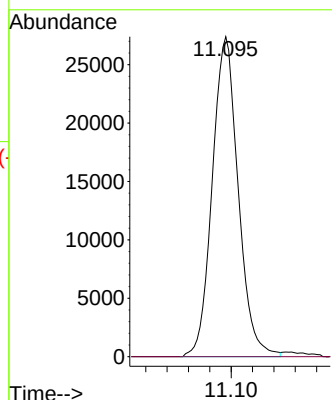
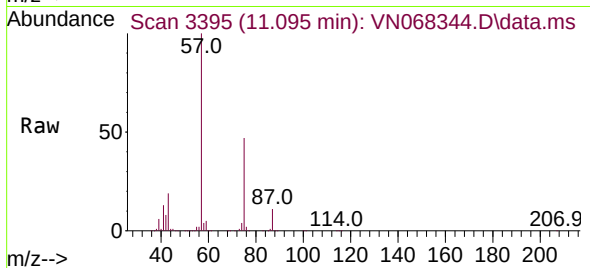




#57
1,3-Dichloropropane
Concen: 5.745 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.048 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

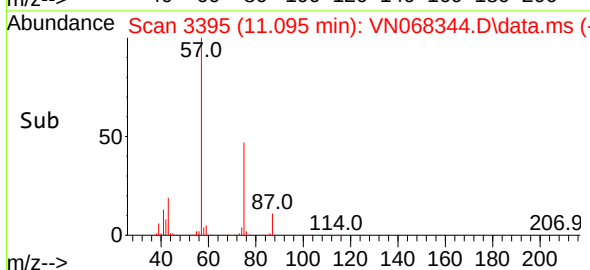
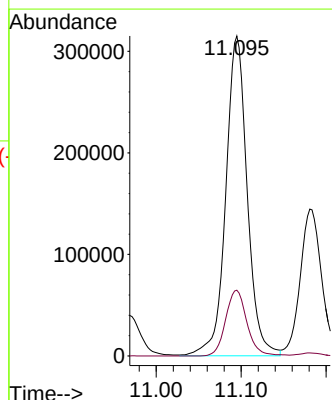
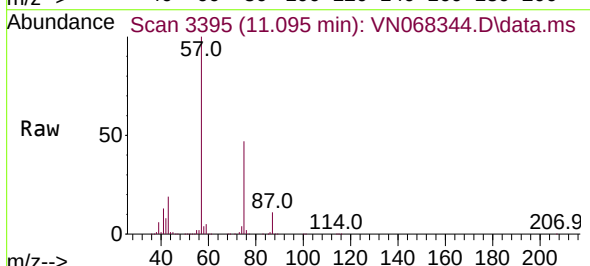
Instrument :
MSVOA_N
ClientSampleId :
PB138768ZHE#02

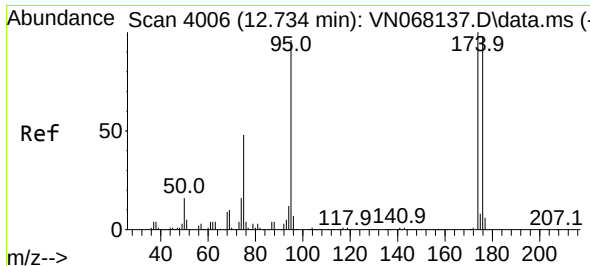
Tgt Ion: 76 Resp: 46160
Ion Ratio Lower Upper
76 100
78 0.0 25.7 38.5#



#59
2-Hexanone
Concen: 151.550 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

Tgt Ion: 43 Resp: 553371
Ion Ratio Lower Upper
43 100
58 20.5 24.7 74.1#

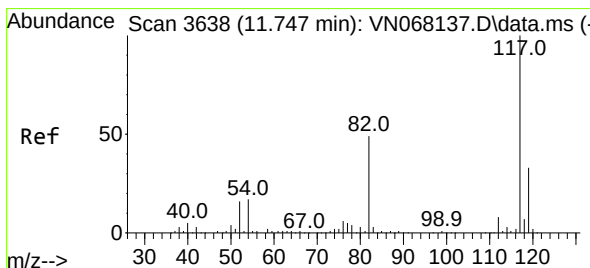
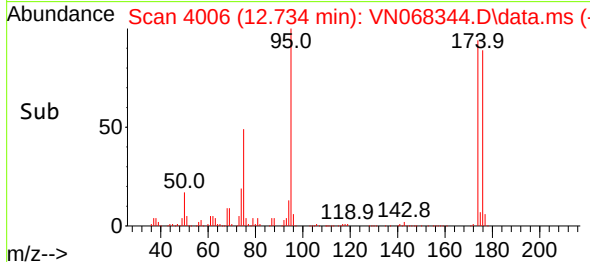
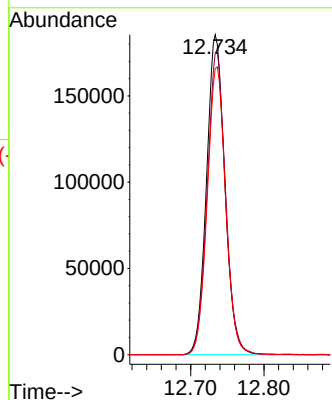
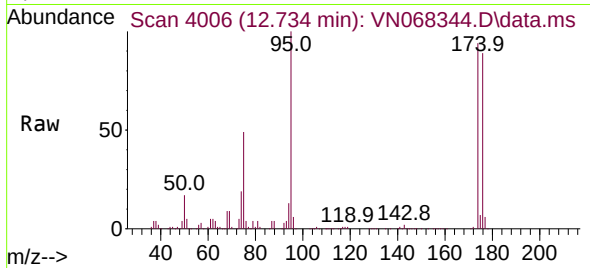




#62
4-Bromofluorobenzene
Concen: 52.741 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.000 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

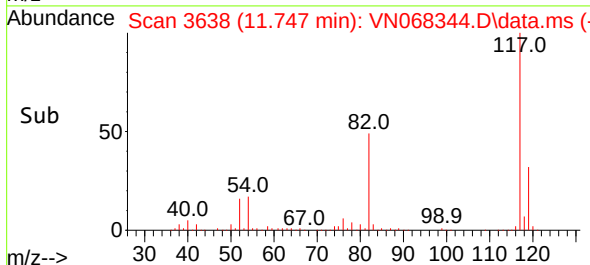
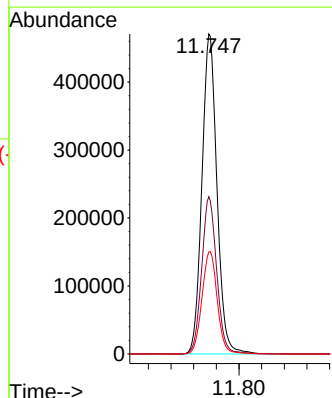
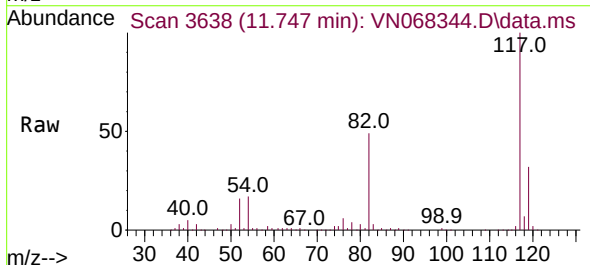
Instrument :
MSVOA_N
ClientSampleId :
PB138768ZHE#02

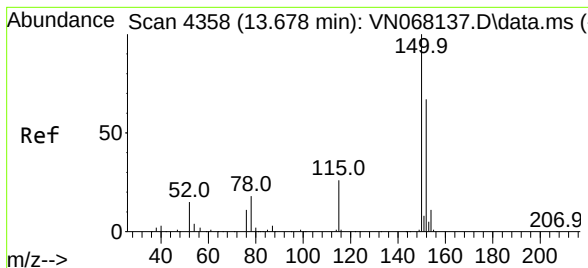
Tgt Ion: 95 Resp: 322316
Ion Ratio Lower Upper
95 100
174 95.0 0.0 122.0
176 90.4 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. -0.000 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

Tgt Ion: 117 Resp: 865381
Ion Ratio Lower Upper
117 100
82 49.2 53.1 79.7#
119 31.9 25.5 38.3

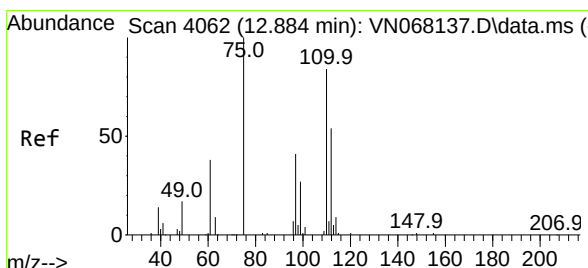
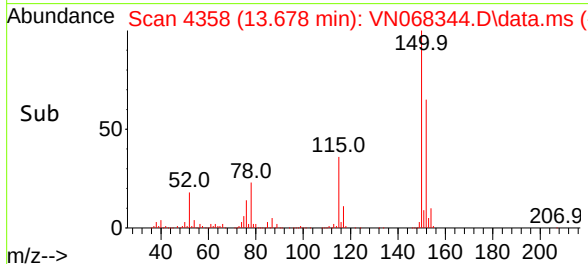
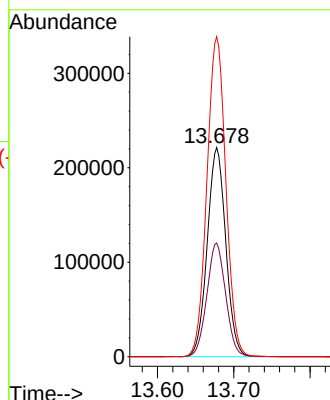
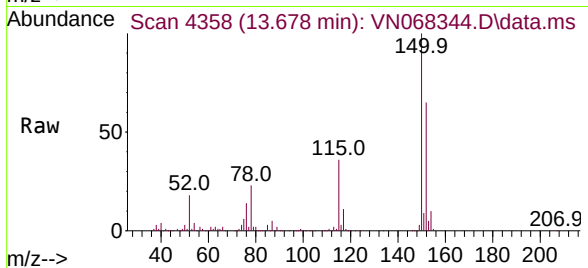




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.678 min Scan# 4358
 Delta R.T. -0.000 min
 Lab File: VN068344.D
 Acq: 27 Aug 2021 15:06

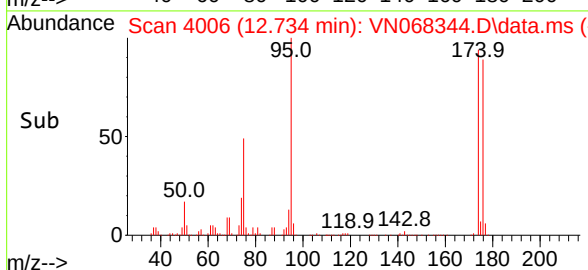
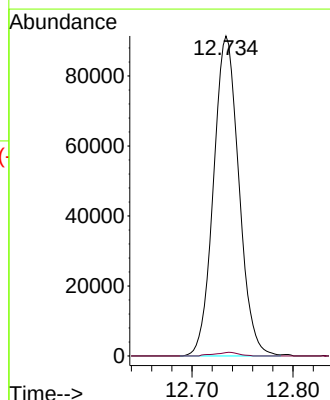
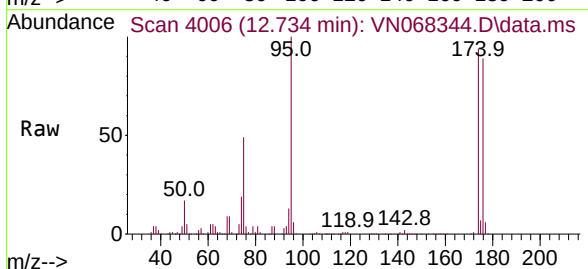
Instrument :
 MSVOA_N
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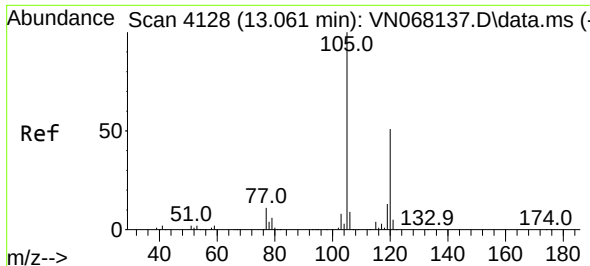
Tgt Ion:152 Resp: 373870
 Ion Ratio Lower Upper
 152 100
 115 55.1 36.1 108.5
 150 156.0 0.0 351.8



#76
 1,2,3-Trichloropropane
 Concen: 25.646 ug/l
 RT: 12.734 min Scan# 4006
 Delta R.T. -0.150 min
 Lab File: VN068344.D
 Acq: 27 Aug 2021 15:06

Tgt Ion: 75 Resp: 159365
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

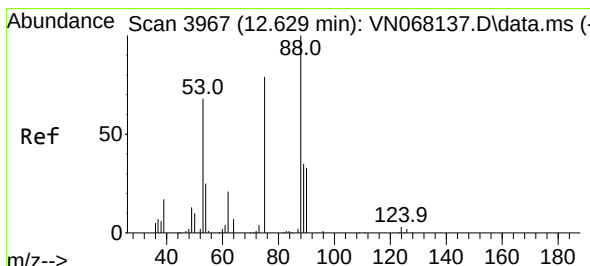
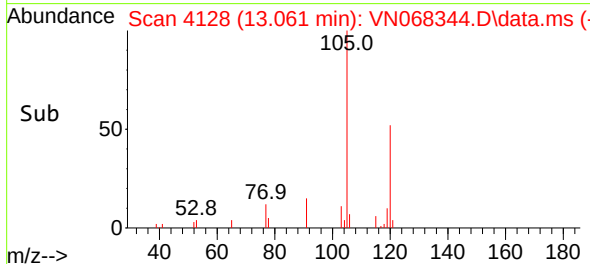
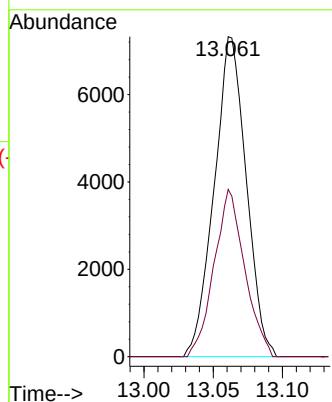
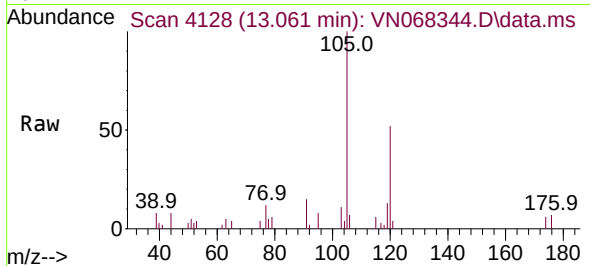




#80
1,3,5-Trimethylbenzene
Concen: 0.547 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. -0.000 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

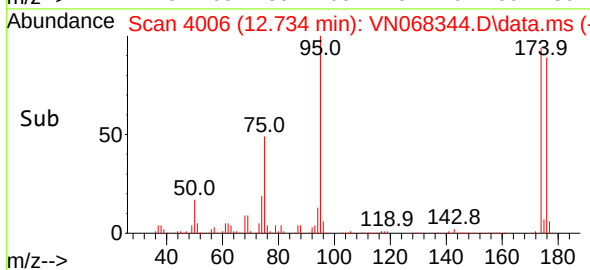
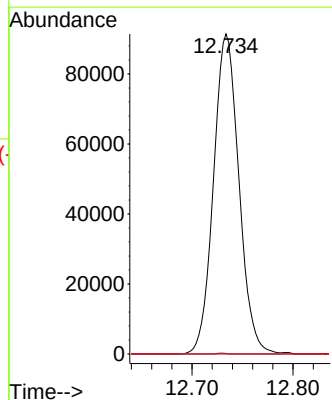
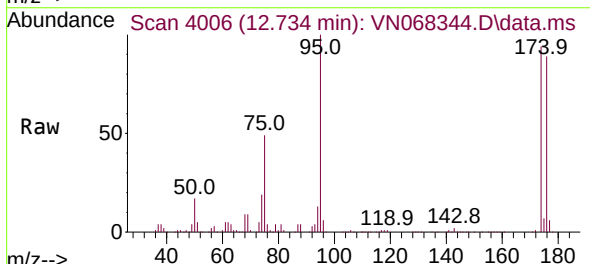
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ClientSampleId :
PB138768ZHE#02

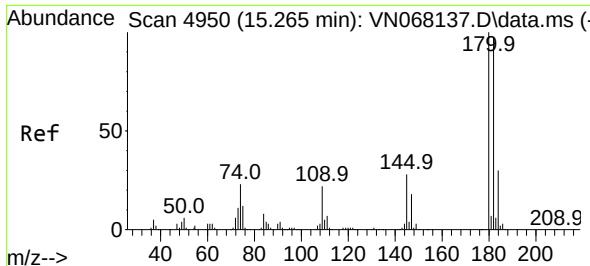
Tgt Ion:105 Resp: 11774
Ion Ratio Lower Upper
105 100
120 50.0 22.2 66.6



#81
trans-1,4-Dichloro-2-butene
Concen: 84.020 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

Tgt Ion: 75 Resp: 159365
Ion Ratio Lower Upper
75 100
53 0.1 87.6 131.4#
89 0.0 37.8 56.8#

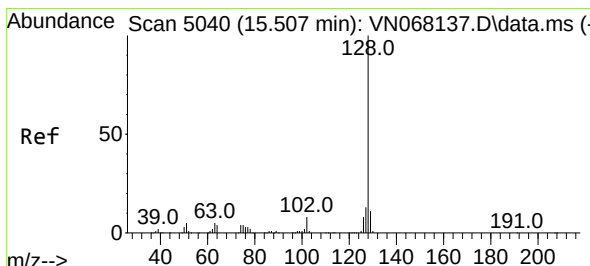
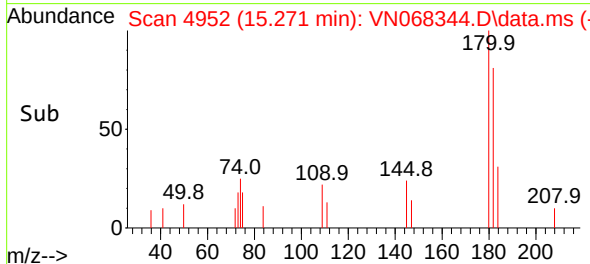
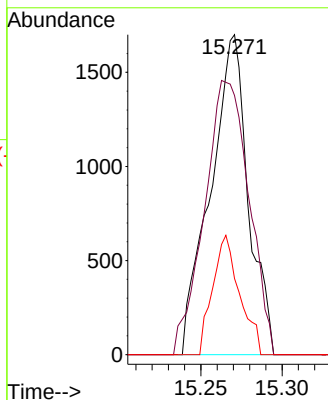
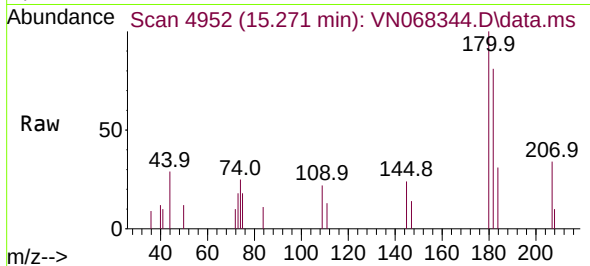




#93
1,2,4-Trichlorobenzene
Concen: 3.102 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

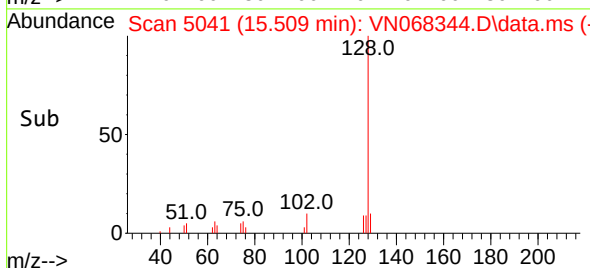
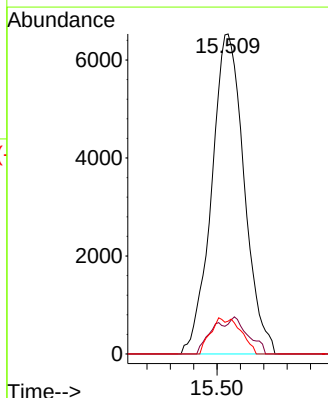
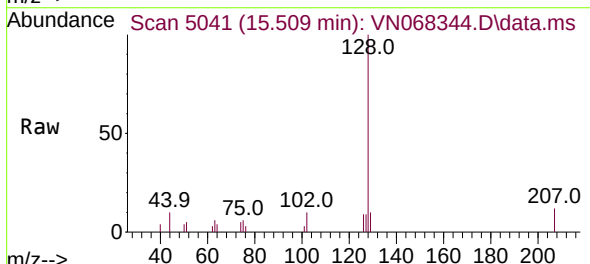
Instrument :
MSVOA_N
ClientSampleId :
PB138768ZHE#02

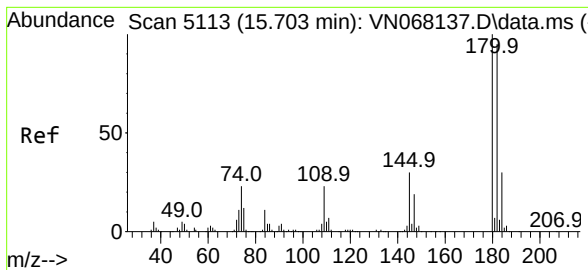
Tgt Ion:180 Resp: 2750
Ion Ratio Lower Upper
180 100
182 100.8 47.5 142.5
145 26.6 17.2 51.6



#95
Naphthalene
Concen: 4.148 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068344.D
Acq: 27 Aug 2021 15:06

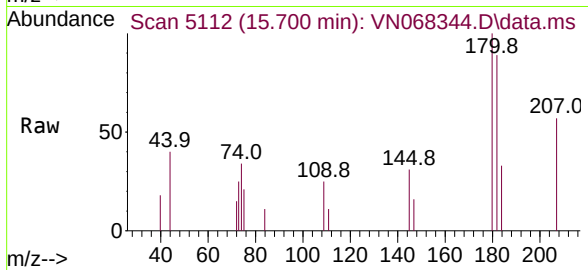
Tgt Ion:128 Resp: 12634
Ion Ratio Lower Upper
128 100
127 6.3 10.6 15.8#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.301 ug/l
 RT: 15.700 min Scan# 5112
 Delta R.T. -0.003 min
 Lab File: VN068344.D
 Acq: 27 Aug 2021 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 PB138768ZHE#02



Tgt Ion:	180	Resp:	2949
Ion	Ratio	Lower	Upper
180	100		
182	98.4	47.8	143.3
145	27.7	18.2	54.6

