

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082621\
 Data File : VN068322.D
 Acq On : 26 Aug 2021 16:13
 Operator : JC/MD
 Sample : PB138716TB
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB138716TB

Quant Time: Aug 27 05:53:39 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)

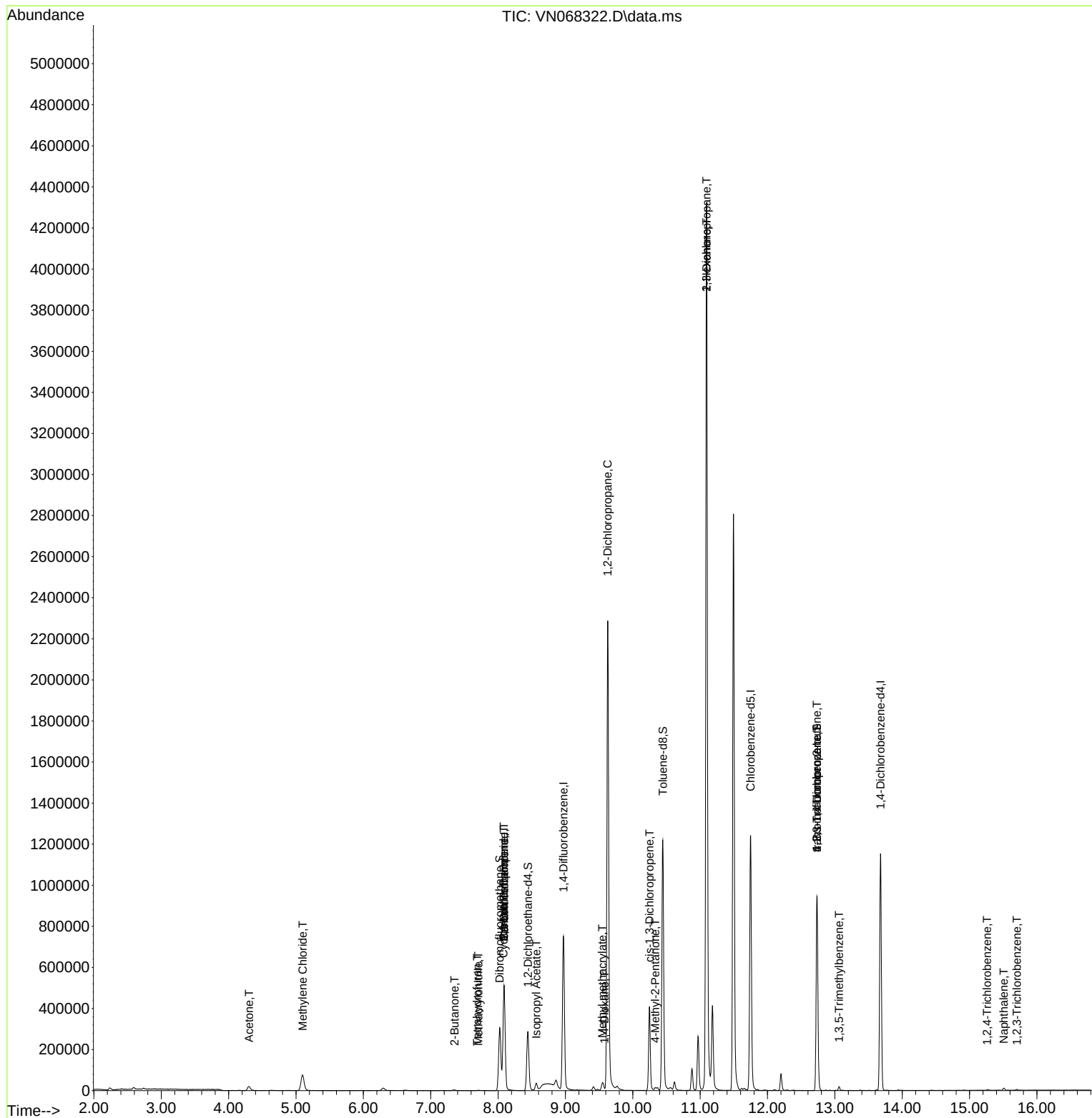
Internal Standards						
1) Pentafluorobenzene	8.091	168	426310	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	728350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	822039	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	345095	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	241264	53.004	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 106.000%			
35) Dibromofluoromethane	8.024	113	224825	49.166	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.340%			
50) Toluene-d8	10.446	98	899226	51.609	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.220%			
62) 4-Bromofluorobenzene	12.733	95	328398	56.617	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 113.240%			
Target Compounds						Qvalue
5) Bromomethane	2.880	94	524	Below Cal		95
6) Chloroethane	3.019	64	91	Below Cal	#	44
13) Acrolein	4.047	56	274	Below Cal	#	40
16) Acetone	4.304	43	38821	29.211	ug/l #	89
18) Methyl Acetate	4.862	43	573	Below Cal	#	54
20) Methylene Chloride	5.098	84	68071	17.116	ug/l #	76
25) 2-Butanone	7.353	43	3784	1.827	ug/l #	72
29) Tetrahydrofuran	7.691	42	317	0.239	ug/l #	69
31) Cyclohexane	8.080	56	7926	1.322	ug/l #	4
36) 1,1-Dichloropropene	8.088	75	26666	4.479	ug/l #	53
38) Carbon Tetrachloride	8.088	117	39519	5.755	ug/l #	17
41) Methacrylonitrile	7.707	41	495	0.214	ug/l #	33
43) Isopropyl Acetate	8.568	43	41444	5.101	ug/l #	90
45) 1,2-Dichloropropane	9.628	63	2900	0.678	ug/l #	44
48) Methyl methacrylate	9.550	41	9286	2.743	ug/l #	12
49) 1,4-Dioxane	9.579	88	25	0.305	ug/l #	20
51) 4-Methyl-2-Pentanone	10.336	43	4986	0.999	ug/l #	39
54) cis-1,3-Dichloropropene	10.247	75	78119	11.329	ug/l #	55
57) 1,3-Dichloropropane	11.095	76	50744	6.655	ug/l #	43
59) 2-Hexanone	11.095	43	601643	173.605	ug/l #	58
76) 1,2,3-Trichloropropane	12.733	75	162549	28.339	ug/l #	100
80) 1,3,5-Trimethylbenzene	13.063	105	10204	0.514	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.733	75	162549	92.844	ug/l #	6
93) 1,2,4-Trichlorobenzene	15.263	180	1737	2.971	ug/l	90
95) Naphthalene	15.507	128	10686	4.080	ug/l #	94
96) 1,2,3-Trichlorobenzene	15.702	180	1708	3.126	ug/l #	55

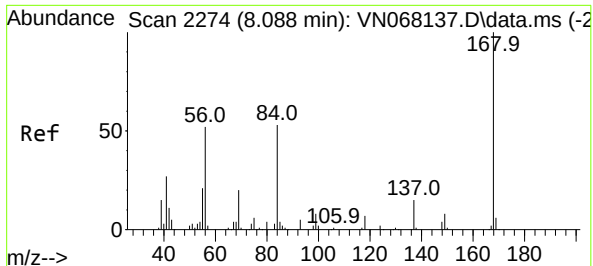
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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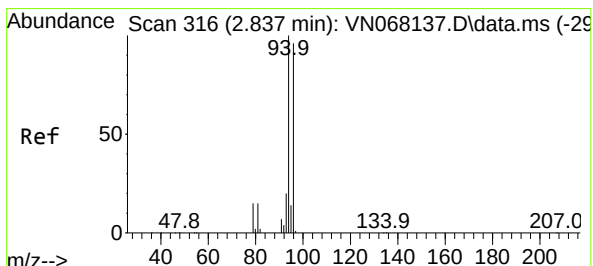
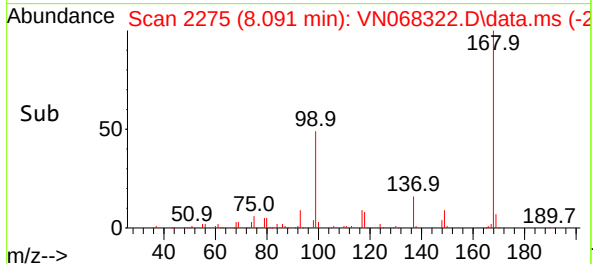
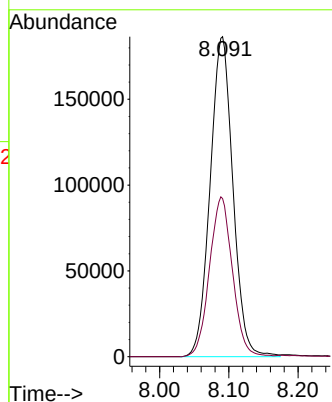
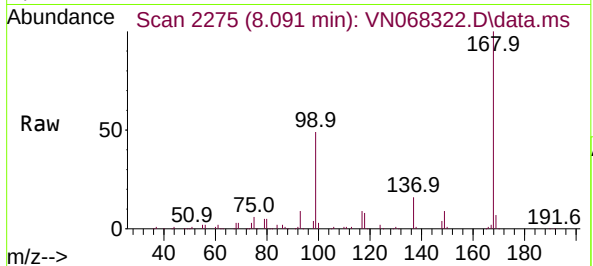




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.003 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13

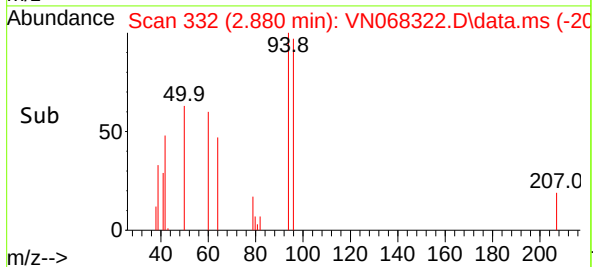
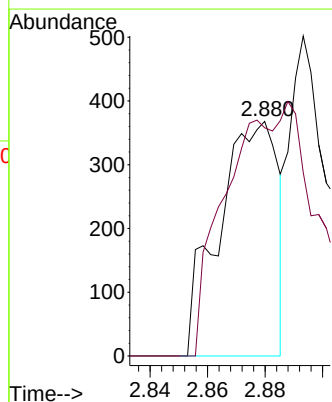
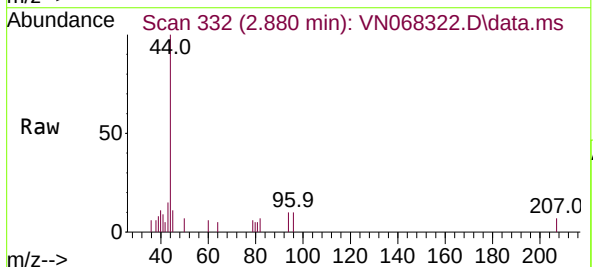
Instrument :
MSVOA_N
ClientSampled :
PB138716TB

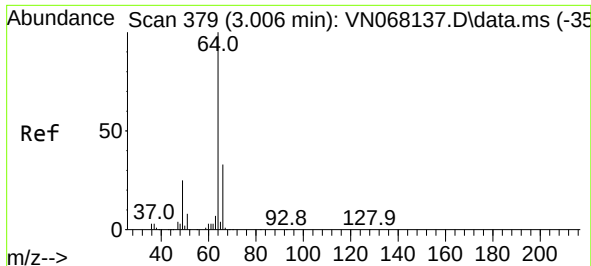
Tgt Ion:168 Resp: 426310
Ion Ratio Lower Upper
168 100
99 49.4 62.9 94.3#



#5
Bromomethane
Concen: Below Cal
RT: 2.880 min Scan# 332
Delta R.T. 0.043 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13

Tgt Ion: 94 Resp: 524
Ion Ratio Lower Upper
94 100
96 97.3 73.7 110.5

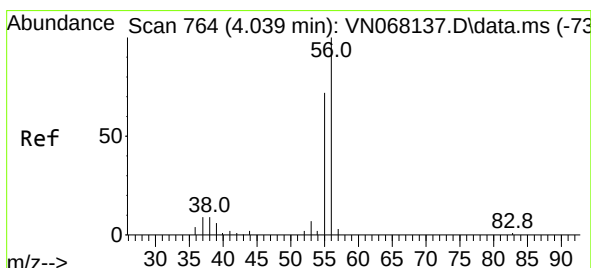
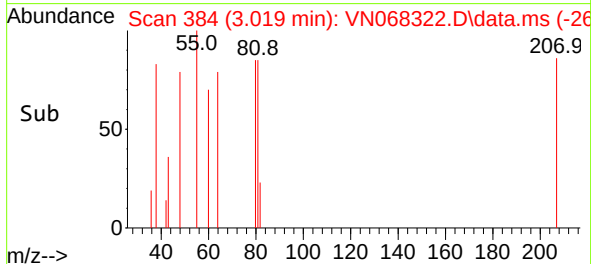
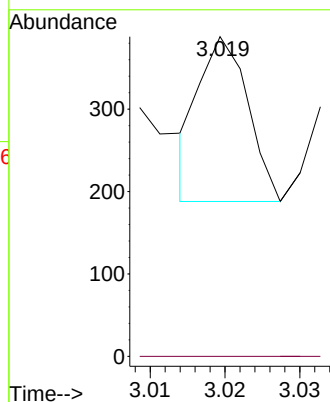
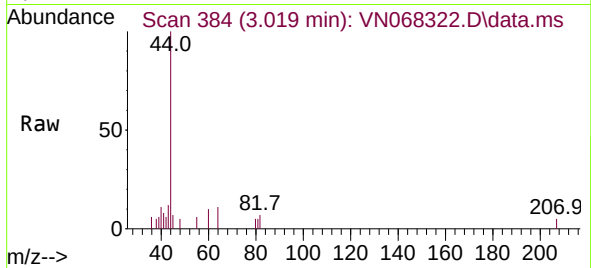




#6
Chloroethane
Concen: Below Cal
RT: 3.019 min Scan# 384
Delta R.T. 0.013 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13

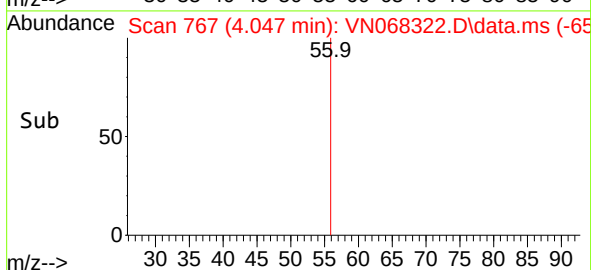
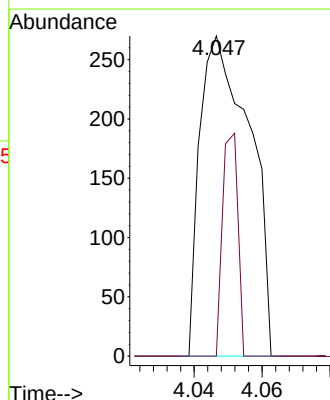
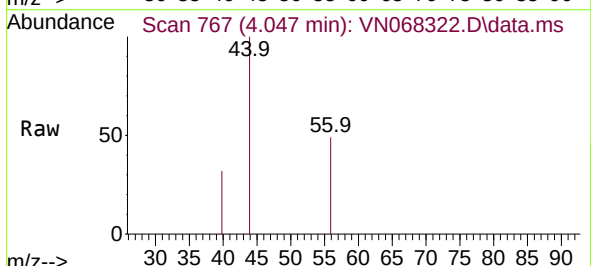
Instrument :
MSVOA_N
ClientSampleId :
PB138716TB

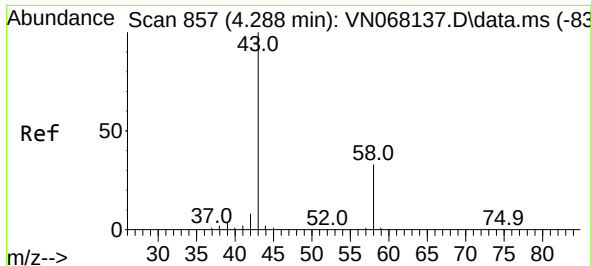
Tgt Ion: 64 Resp: 91
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.047 min Scan# 767
Delta R.T. 0.008 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13

Tgt Ion: 56 Resp: 274
Ion Ratio Lower Upper
56 100
55 21.5 57.4 86.0#

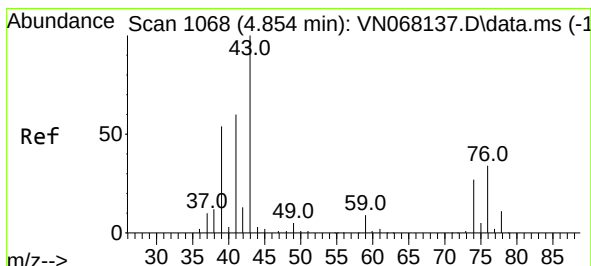
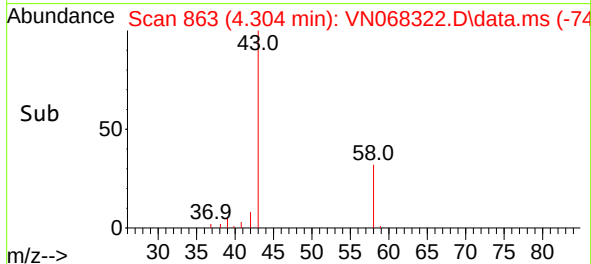
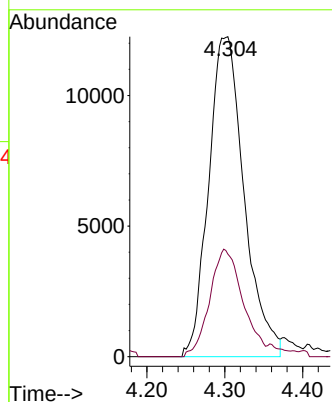
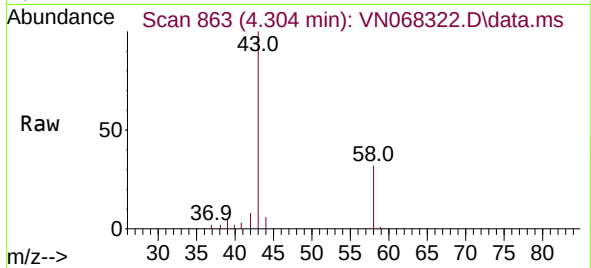




#16
Acetone
Concen: 29.211 ug/l
RT: 4.304 min Scan# 863
Delta R.T. 0.016 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13

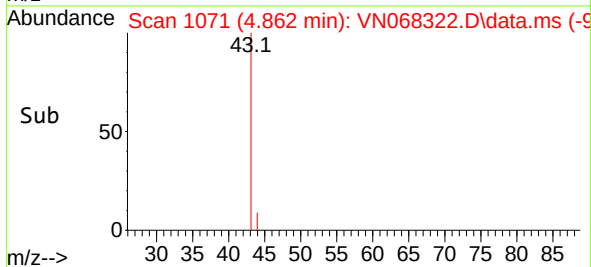
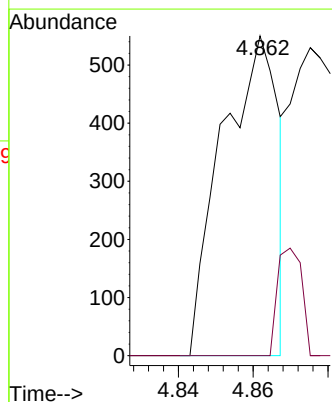
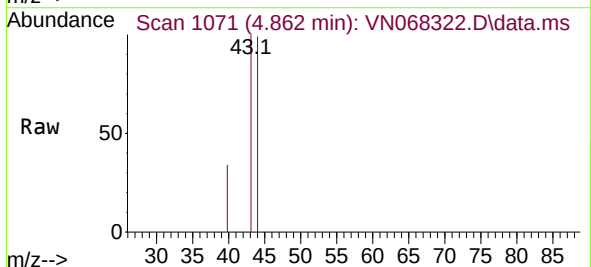
Instrument :
MSVOA_N
ClientSampled :
PB138716TB

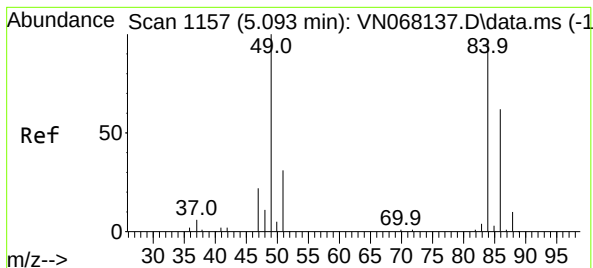
Tgt Ion: 43 Resp: 38821
Ion Ratio Lower Upper
43 100
58 32.1 21.2 31.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.862 min Scan# 1071
Delta R.T. 0.008 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13

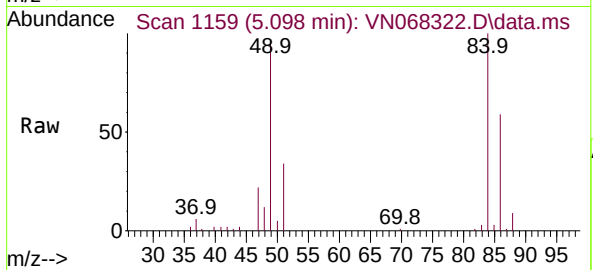
Tgt Ion: 43 Resp: 573
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.0#



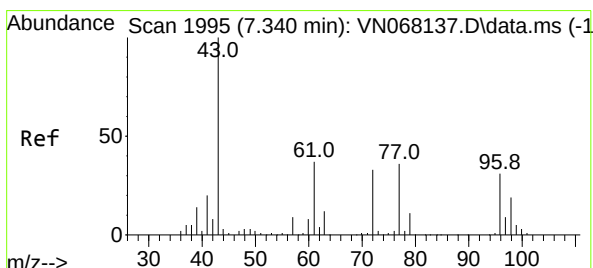
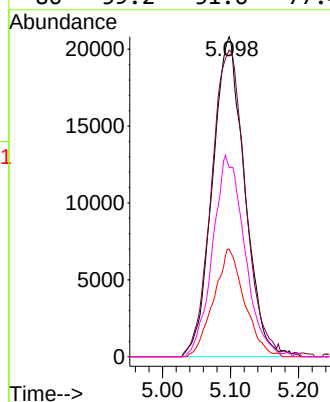
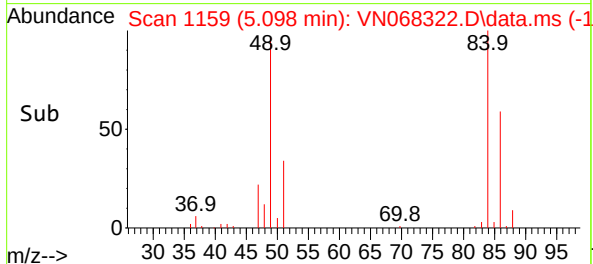


#20
Methylene Chloride
Concen: 17.116 ug/l
RT: 5.098 min Scan# 1159
Delta R.T. 0.005 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13

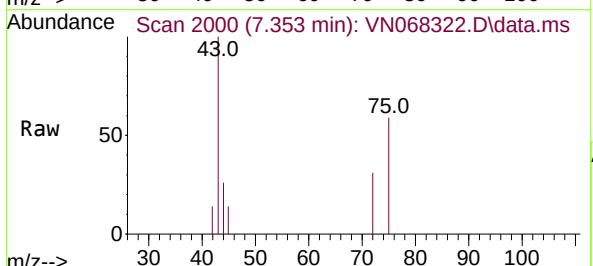
Instrument :
MSVOA_N
ClientSampleId :
PB138716TB



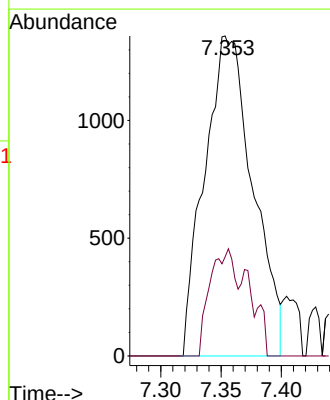
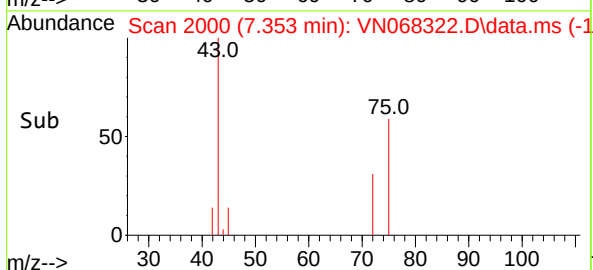
Tgt Ion:	84	Resp:	68071
Ion	Ratio	Lower	Upper
84	100		
49	95.8	110.9	166.3#
51	33.6	32.6	49.0
86	59.2	51.6	77.4

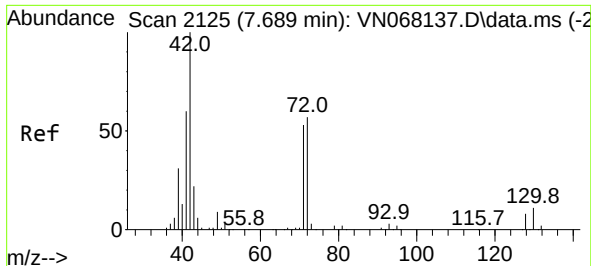


#25
2-Butanone
Concen: 1.827 ug/l
RT: 7.353 min Scan# 2000
Delta R.T. 0.013 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13



Tgt Ion:	43	Resp:	3784
Ion	Ratio	Lower	Upper
43	100		
72	38.7	19.7	29.5#





#29

Tetrahydrofuran

Concen: 0.239 ug/l

RT: 7.691 min Scan# 2126

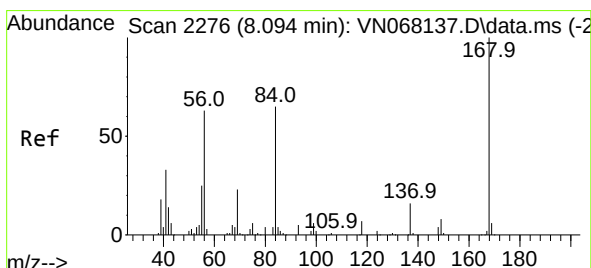
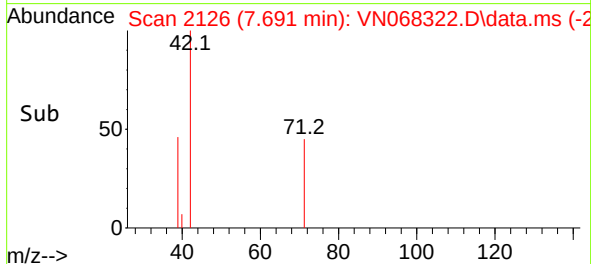
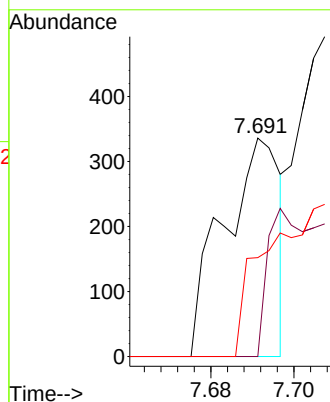
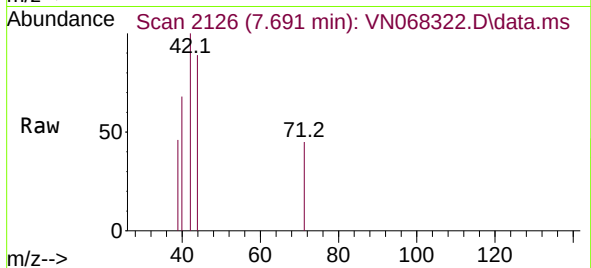
Delta R.T. 0.002 min

Lab File: VN068322.D

Acq: 26 Aug 2021 16:13

Tgt Ion:	42	Resp:	317
Ion	Ratio	Lower	Upper
42	100		
72	41.0	32.8	49.2
71	0.0	31.2	46.8#

Instrument :
MSVOA_N
ClientSampled :
PB138716TB



#31

Cyclohexane

Concen: 1.322 ug/l

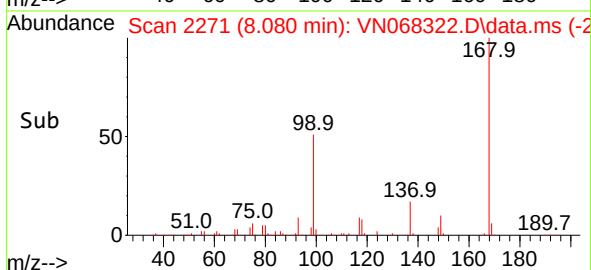
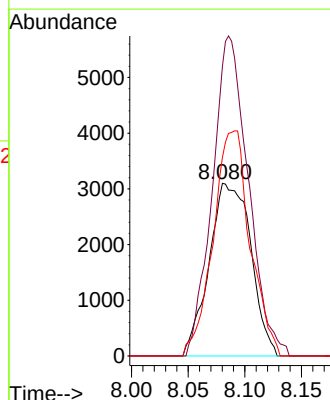
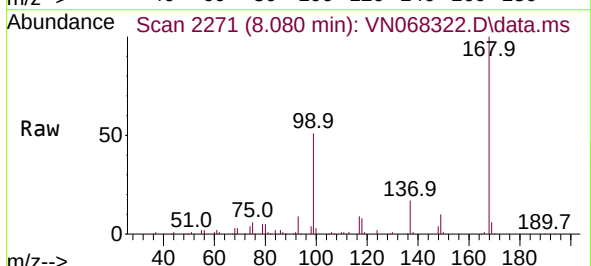
RT: 8.080 min Scan# 2271

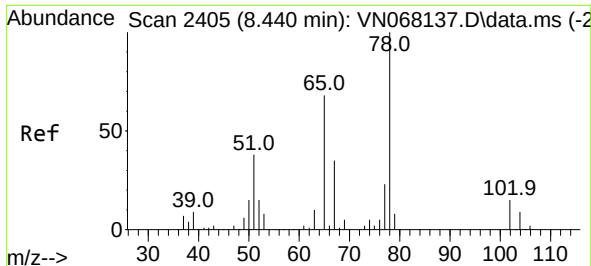
Delta R.T. -0.014 min

Lab File: VN068322.D

Acq: 26 Aug 2021 16:13

Tgt Ion:	56	Resp:	7926
Ion	Ratio	Lower	Upper
56	100		
69	167.9	27.3	40.9#
84	115.0	64.9	97.3#

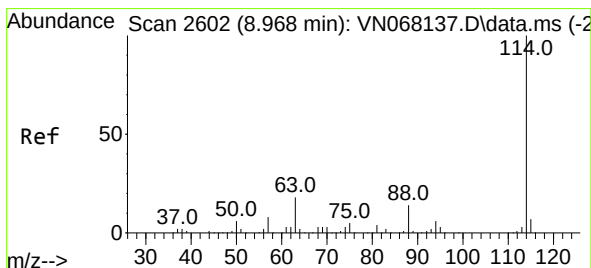
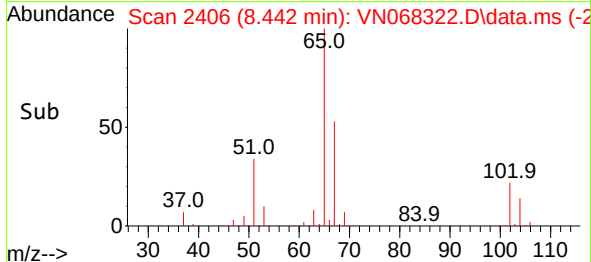
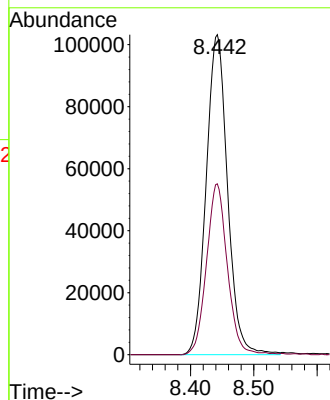
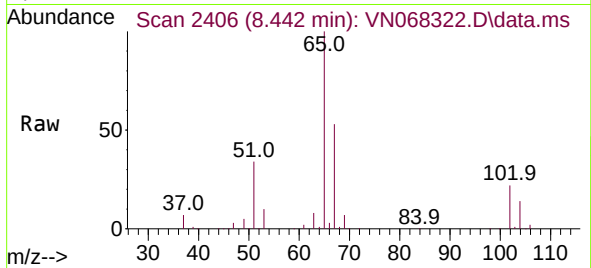




#33
 1,2-Dichloroethane-d4
 Concen: 53.004 ug/l
 RT: 8.442 min Scan# 2406
 Delta R.T. 0.002 min
 Lab File: VN068322.D
 Acq: 26 Aug 2021 16:13

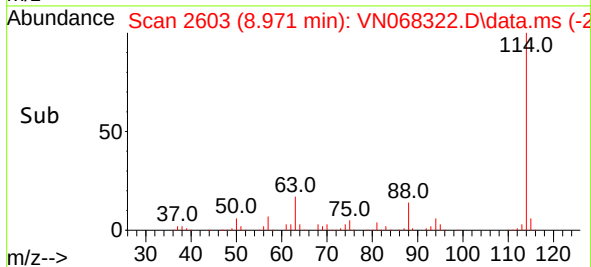
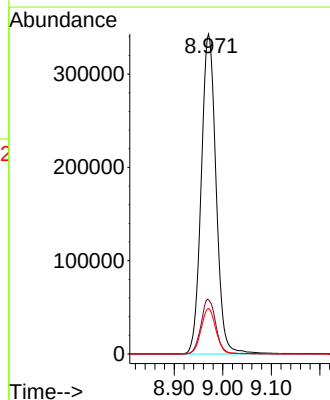
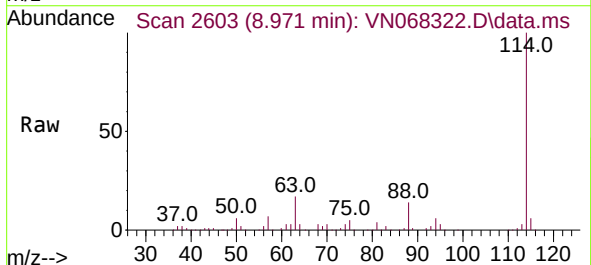
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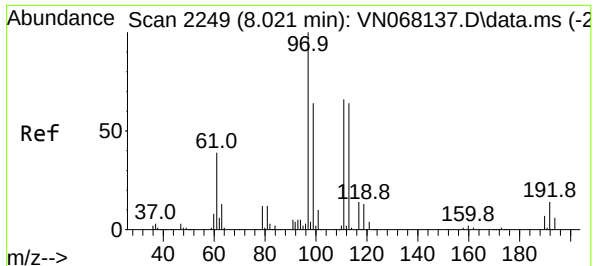
Tgt Ion: 65 Resp: 241264
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068322.D
 Acq: 26 Aug 2021 16:13

Tgt Ion: 114 Resp: 728350
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 49.0
 88 14.2 0.0 36.6

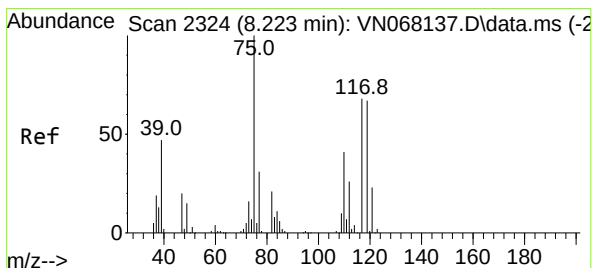
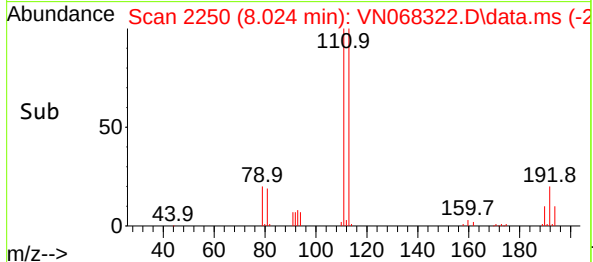
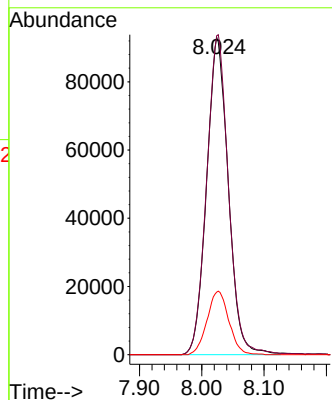
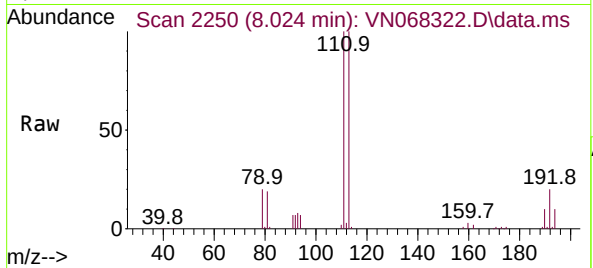




#35
Dibromofluoromethane
Concen: 49.166 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13

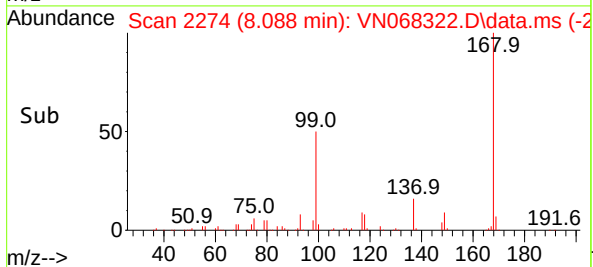
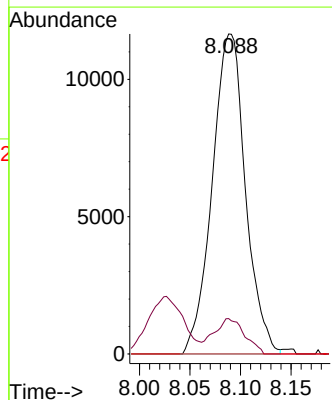
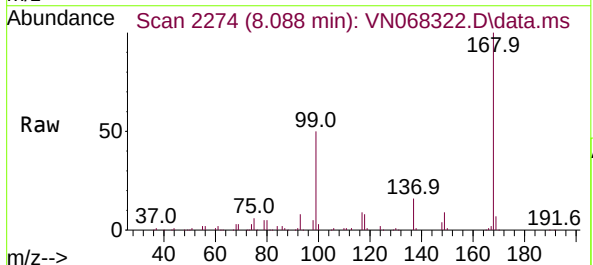
Instrument :
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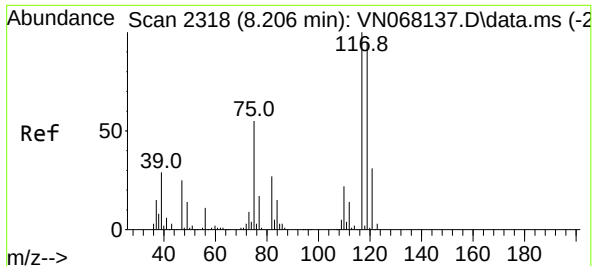
Tgt Ion:113 Resp: 224825
Ion Ratio Lower Upper
113 100
111 101.7 83.8 125.8
192 20.1 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.479 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13

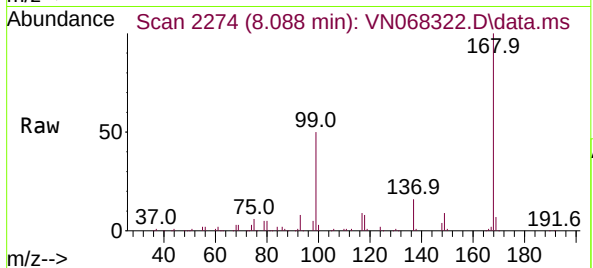
Tgt Ion: 75 Resp: 26666
Ion Ratio Lower Upper
75 100
110 10.3 15.7 47.0#
77 0.0 24.6 37.0#



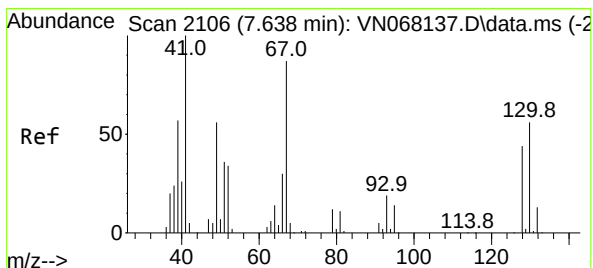
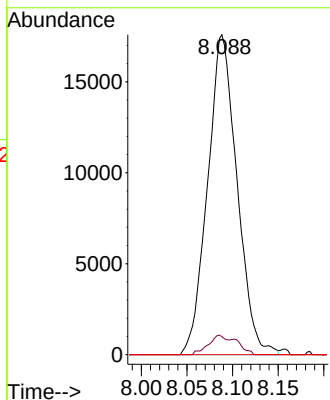
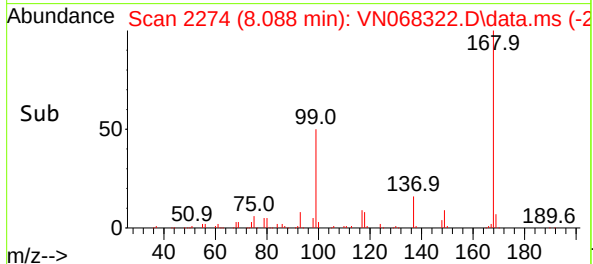


#38
Carbon Tetrachloride
Concen: 5.755 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13

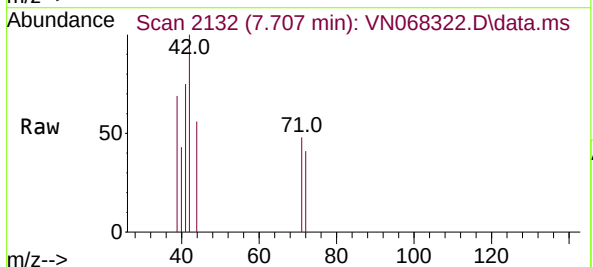
Instrument :
MSVOA_N
ClientSampled :
PB138716TB



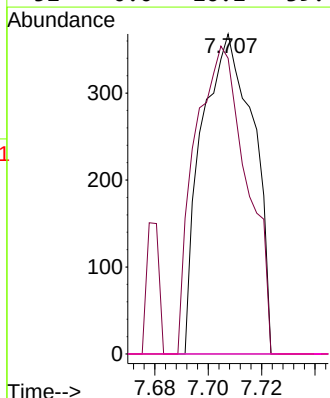
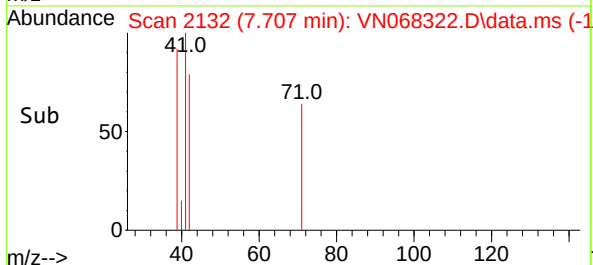
Tgt Ion: 117 Resp: 39519
Ion Ratio Lower Upper
117 100
119 5.6 75.4 113.2#
121 0.0 23.5 35.3#

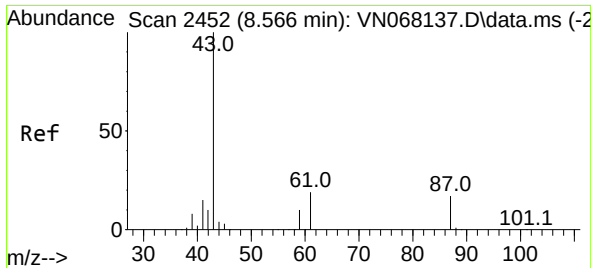


#41
Methacrylonitrile
Concen: 0.214 ug/l
RT: 7.707 min Scan# 2132
Delta R.T. 0.069 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13



Tgt Ion: 41 Resp: 495
Ion Ratio Lower Upper
41 100
39 96.8 47.6 71.4#
67 0.0 57.7 86.5#
52 0.0 26.2 39.4#

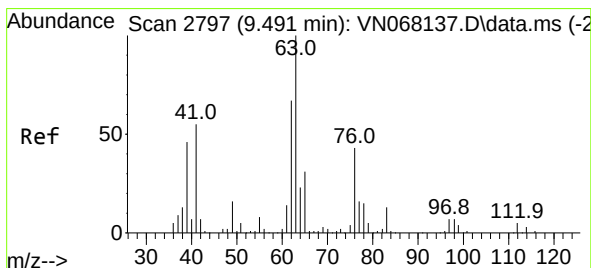
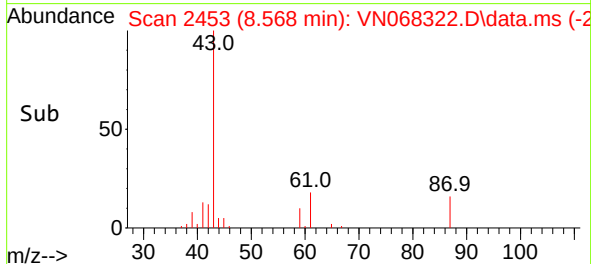
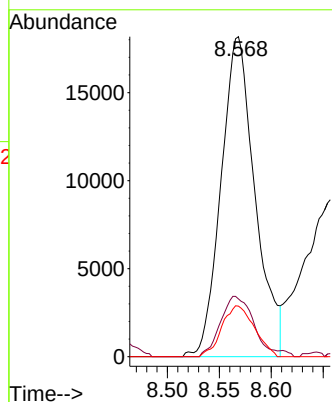
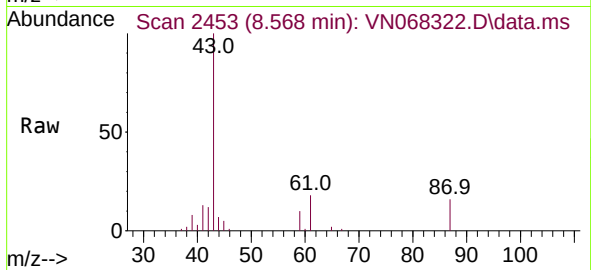




#43
Isopropyl Acetate
Concen: 5.101 ug/l
RT: 8.568 min Scan# 2453
Delta R.T. 0.002 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13

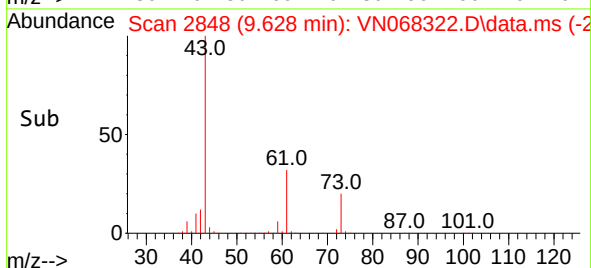
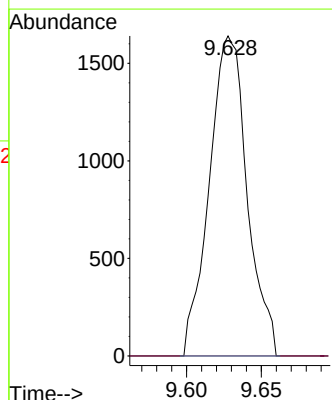
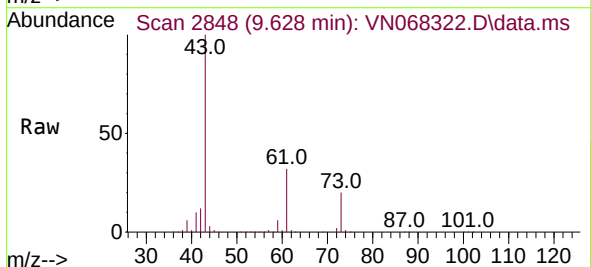
Instrument :
MSVOA_N
ClientSampled :
PB138716TB

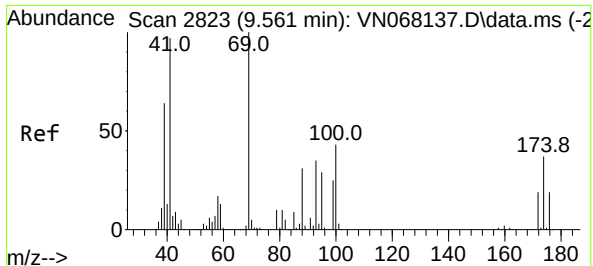
Tgt Ion: 43 Resp: 41444
Ion Ratio Lower Upper
43 100
61 18.8 19.0 28.4#
87 15.2 9.5 14.3#



#45
1,2-Dichloropropane
Concen: 0.678 ug/l
RT: 9.628 min Scan# 2848
Delta R.T. 0.137 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13

Tgt Ion: 63 Resp: 2900
Ion Ratio Lower Upper
63 100
65 0.0 24.3 36.5#

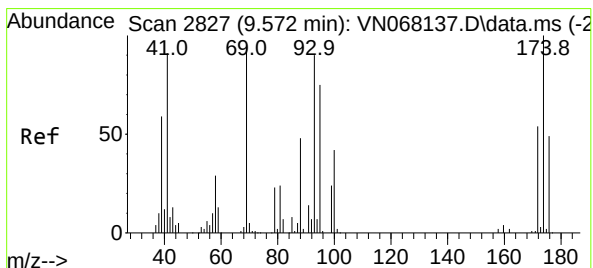
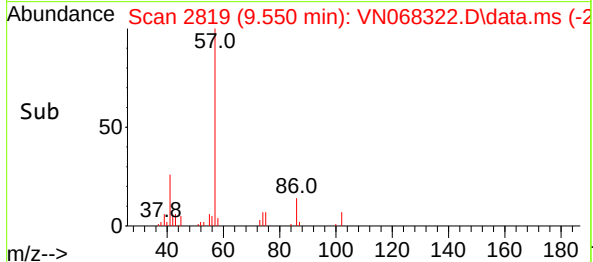
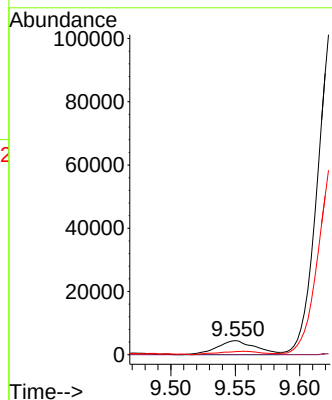
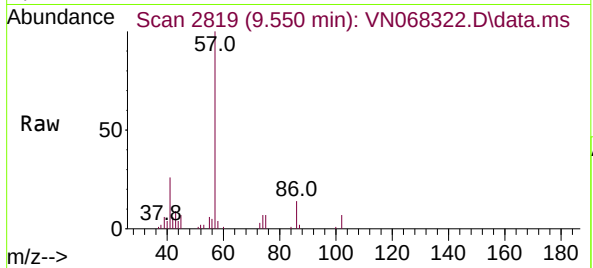




#48
Methyl methacrylate
Concen: 2.743 ug/l
RT: 9.550 min Scan# 2819
Delta R.T. -0.011 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13

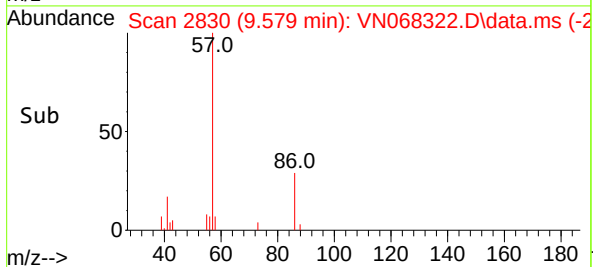
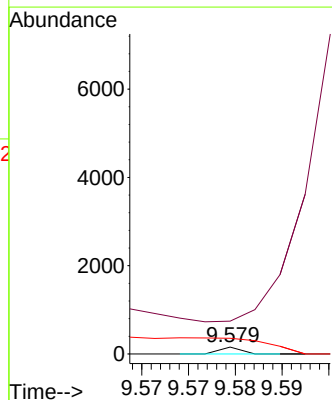
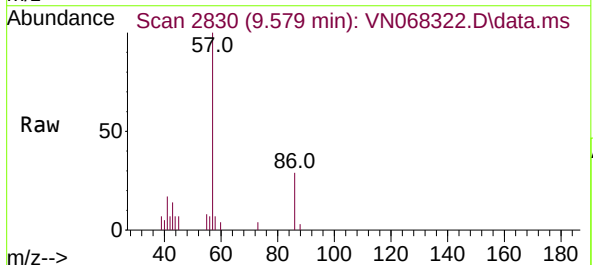
Instrument :
MSVOA_N
ClientSampleId :
PB138716TB

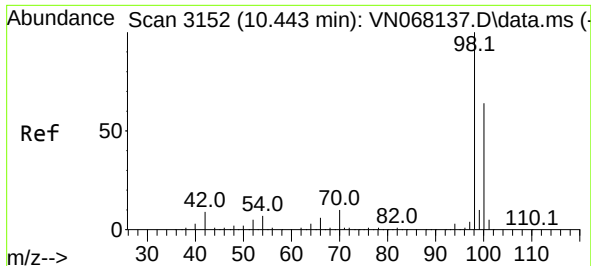
Tgt Ion: 41 Resp: 9286
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 0.0 53.3 79.9#



#49
1,4-Dioxane
Concen: 0.305 ug/l
RT: 9.579 min Scan# 2830
Delta R.T. 0.007 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13

Tgt Ion: 88 Resp: 25
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 0.0 60.4 90.6#

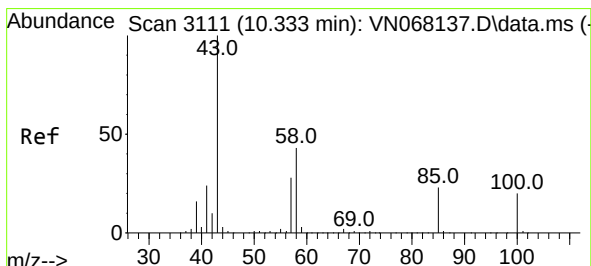
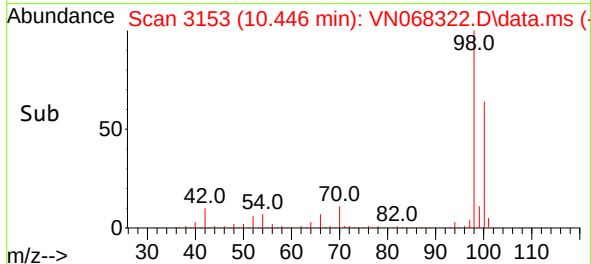
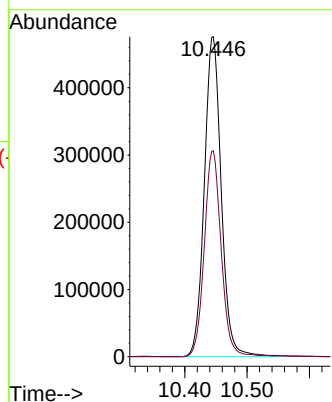
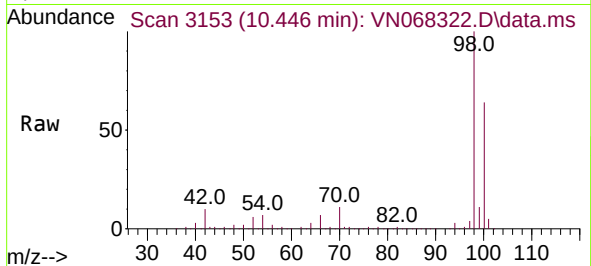




#50
Toluene-d8
Concen: 51.609 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13

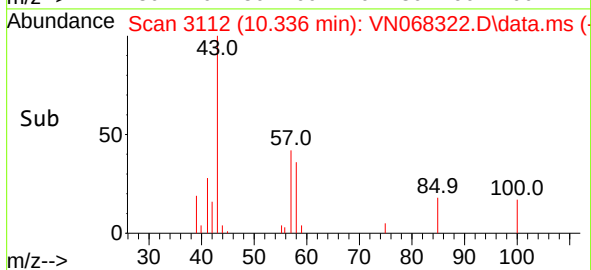
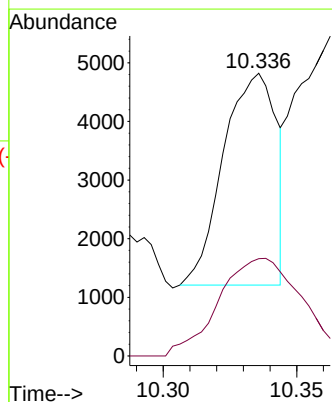
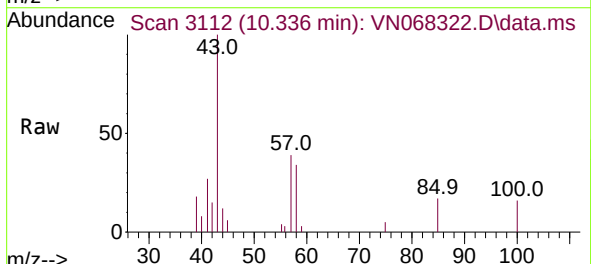
Instrument :
MSVOA_N
ClientSampleId :
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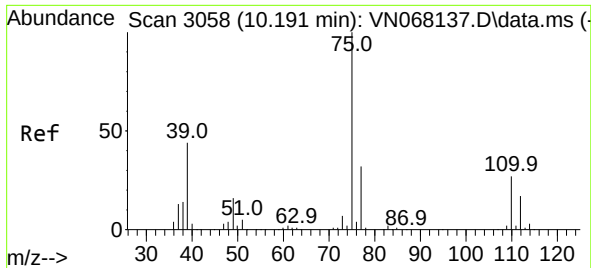
Tgt Ion: 98 Resp: 899226
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.999 ug/l
RT: 10.336 min Scan# 3112
Delta R.T. 0.003 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13

Tgt Ion: 43 Resp: 4986
Ion Ratio Lower Upper
43 100
58 71.7 28.6 43.0#

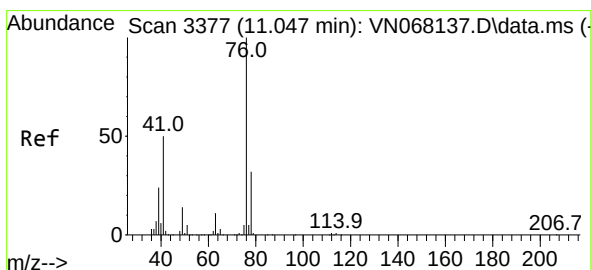
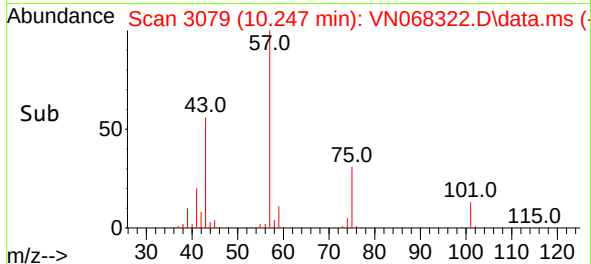
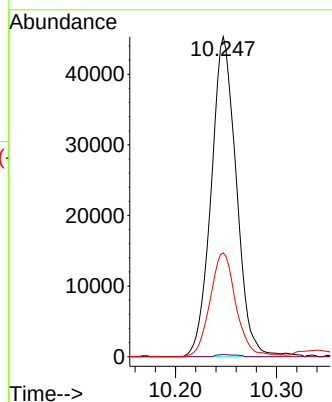
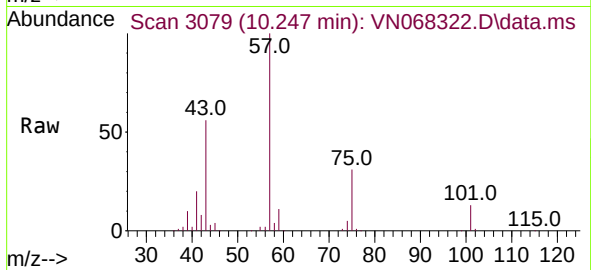




#54
 cis-1,3-Dichloropropene
 Concen: 11.329 ug/l
 RT: 10.247 min Scan# 3079
 Delta R.T. 0.056 min
 Lab File: VN068322.D
 Acq: 26 Aug 2021 16:13

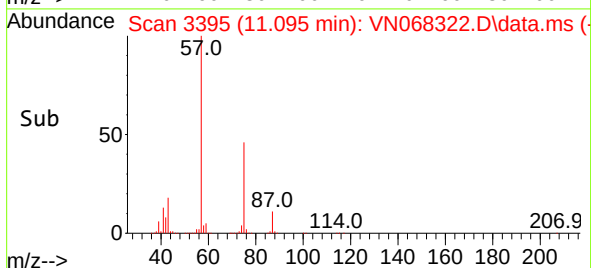
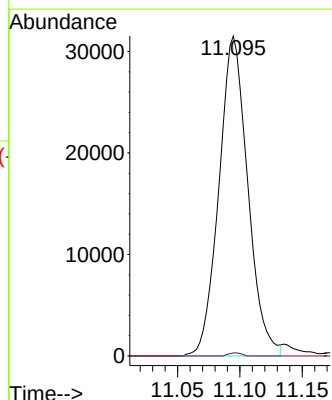
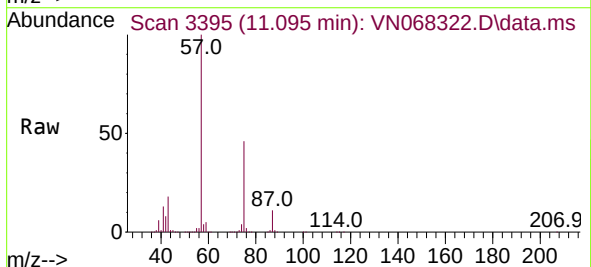
Instrument :
 MSVOA_N
 ClientSampleID :
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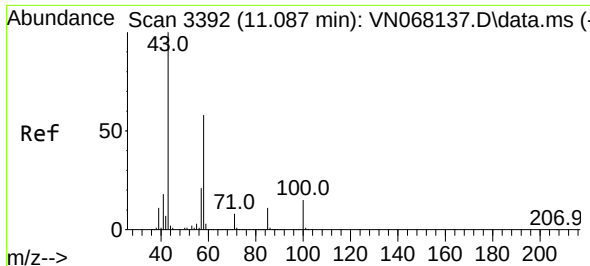
Tgt Ion: 75 Resp: 78119
 Ion Ratio Lower Upper
 75 100
 77 0.7 24.6 37.0#
 39 32.4 50.7 76.1#



#57
 1,3-Dichloropropane
 Concen: 6.655 ug/l
 RT: 11.095 min Scan# 3395
 Delta R.T. 0.048 min
 Lab File: VN068322.D
 Acq: 26 Aug 2021 16:13

Tgt Ion: 76 Resp: 50744
 Ion Ratio Lower Upper
 76 100
 78 0.4 25.7 38.5#

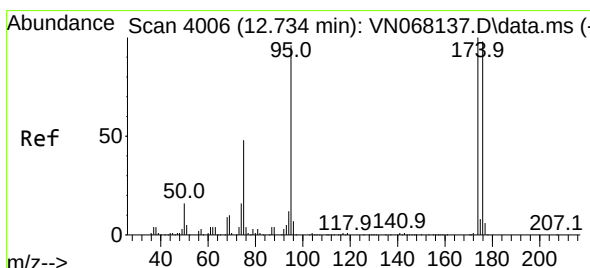
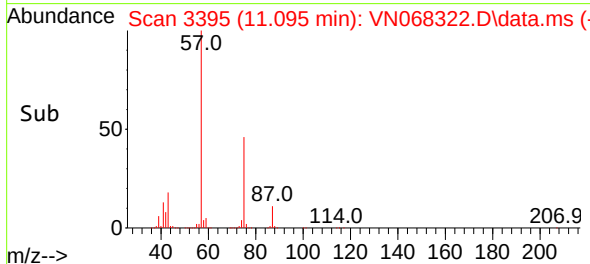
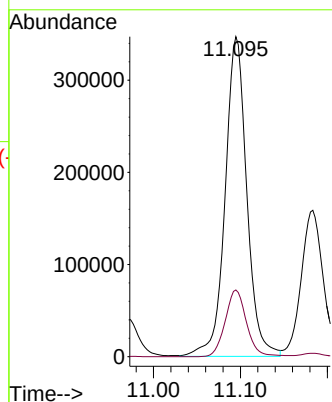
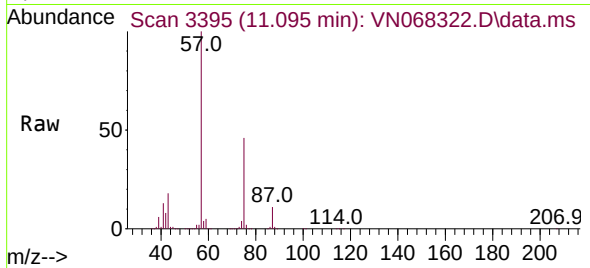




#59
2-Hexanone
Concen: 173.605 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13

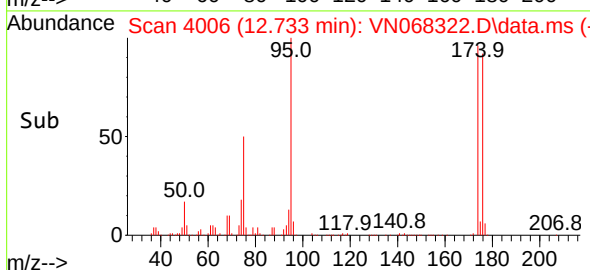
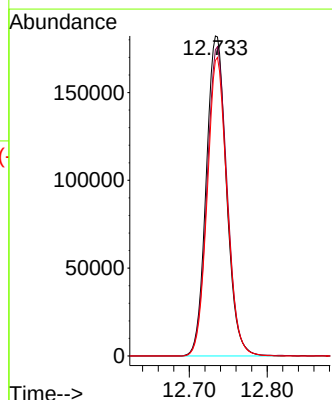
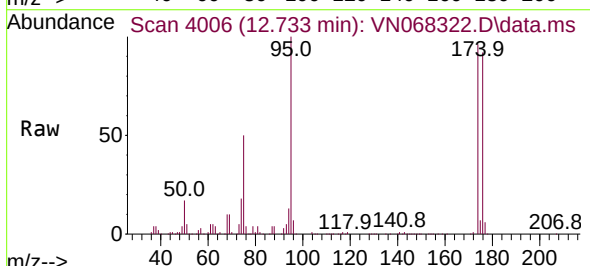
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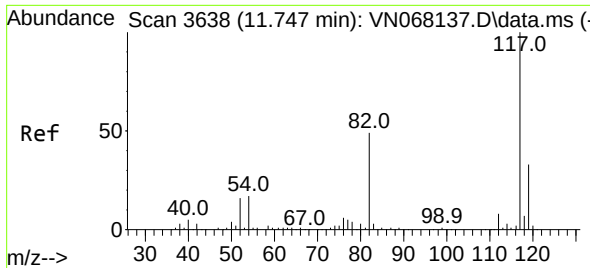
Tgt Ion: 43 Resp: 601643
Ion Ratio Lower Upper
43 100
58 20.6 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 56.617 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13

Tgt Ion: 95 Resp: 328398
Ion Ratio Lower Upper
95 100
174 96.6 0.0 122.0
176 91.6 0.0 117.6

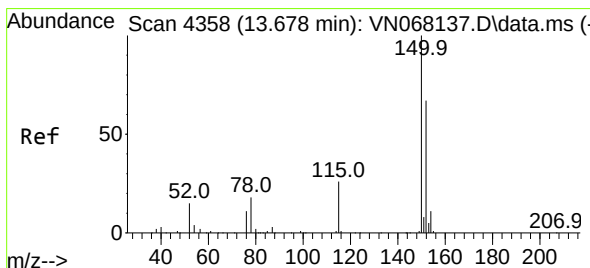
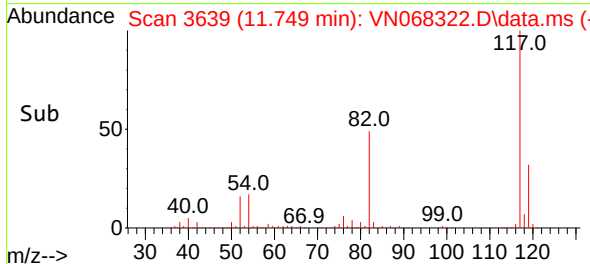
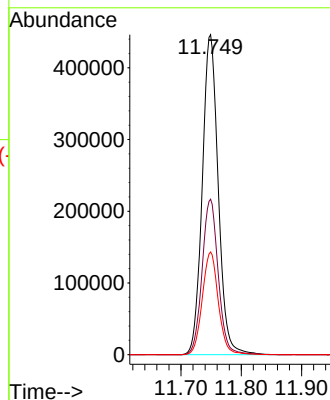
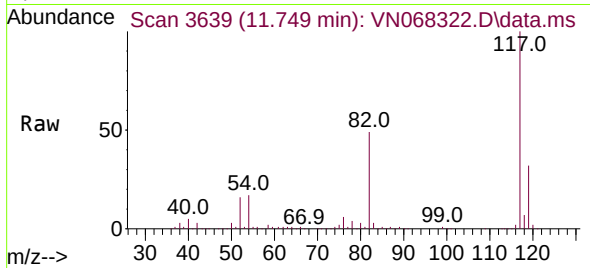




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13

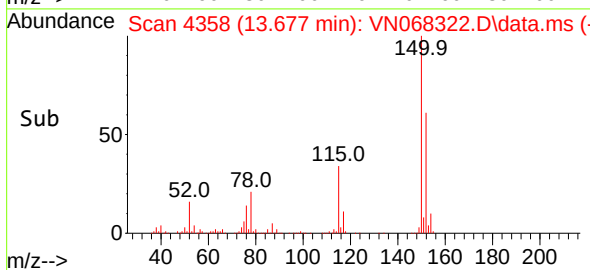
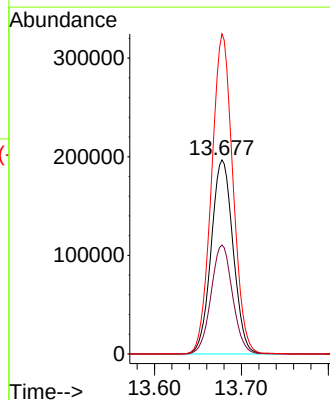
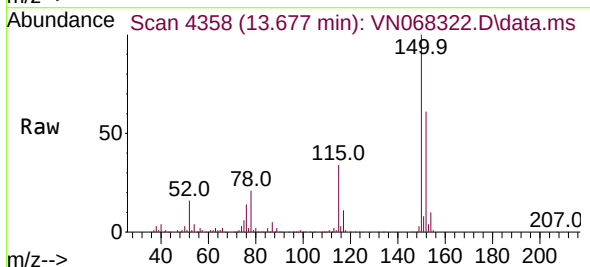
Instrument :
MSVOA_N
ClientSampleId :
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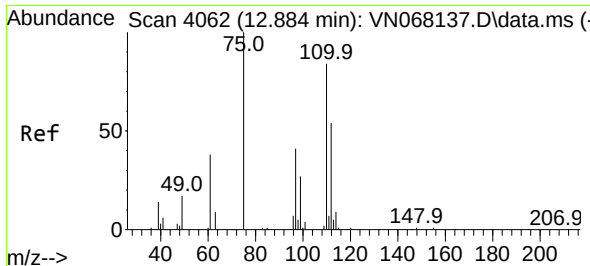
Tgt Ion:117 Resp: 822039
Ion Ratio Lower Upper
117 100
82 48.6 53.1 79.7#
119 32.1 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.001 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13

Tgt Ion:152 Resp: 345095
Ion Ratio Lower Upper
152 100
115 55.1 36.1 108.5
150 161.1 0.0 351.8

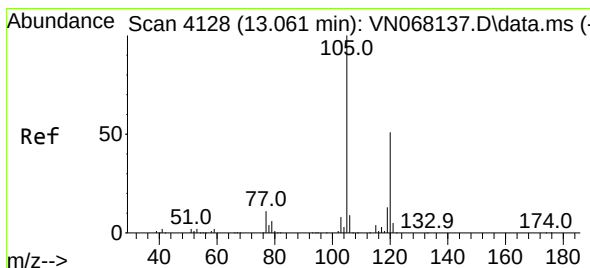
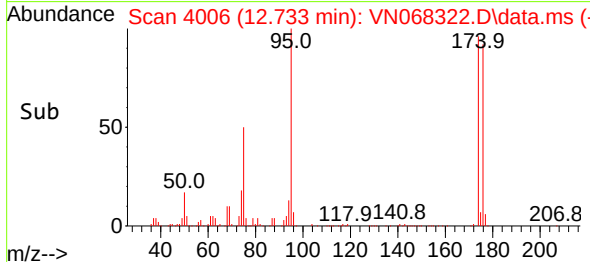
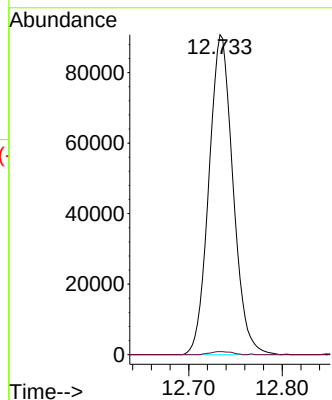
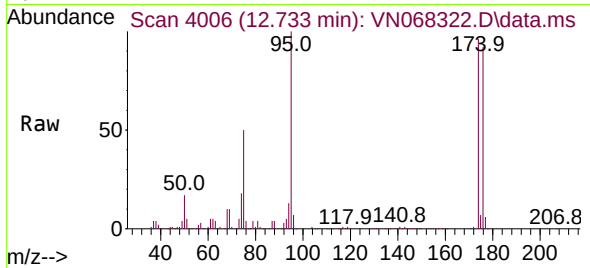




#76
1,2,3-Trichloropropane
Concen: 28.339 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13

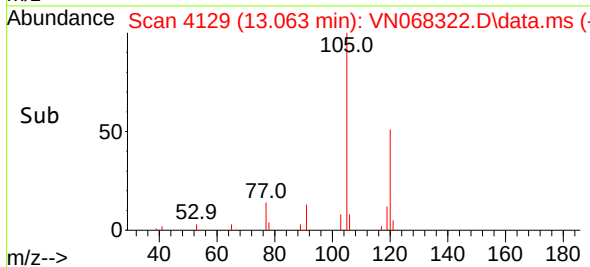
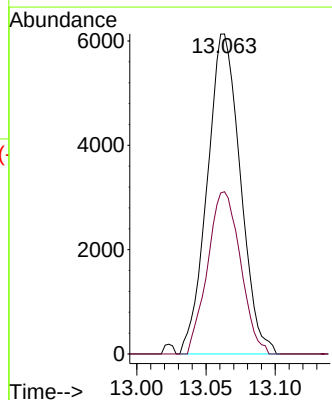
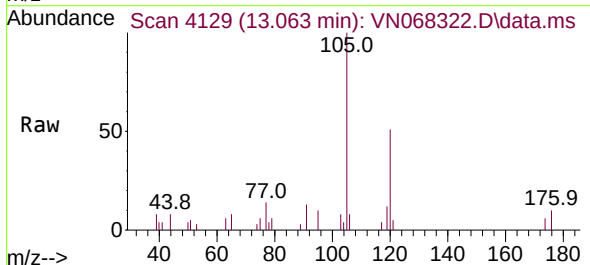
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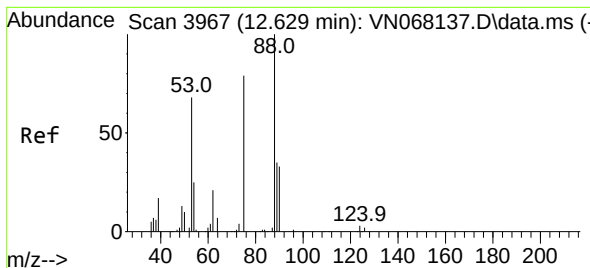
Tgt Ion: 75 Resp: 162549
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 0.514 ug/l
RT: 13.063 min Scan# 4129
Delta R.T. 0.002 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13

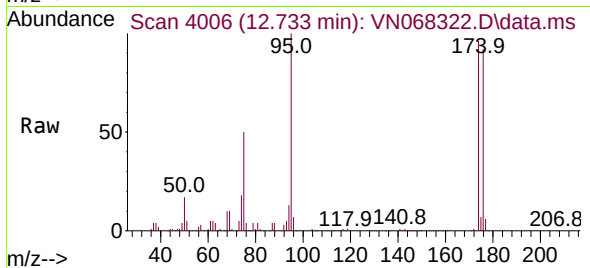
Tgt Ion: 105 Resp: 10204
Ion Ratio Lower Upper
105 100
120 50.3 22.2 66.6



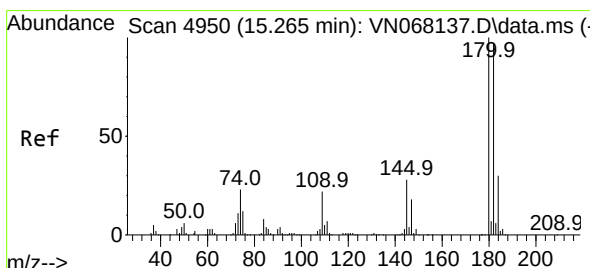
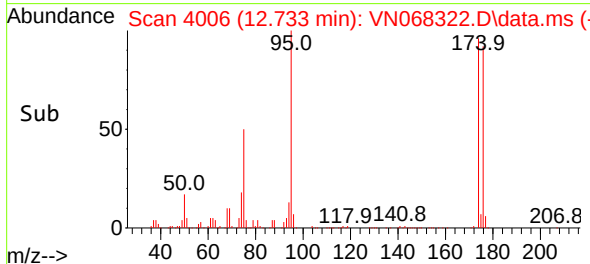
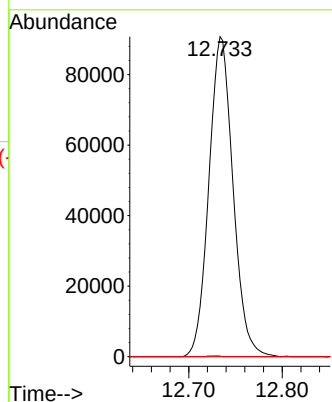


#81
 trans-1,4-Dichloro-2-butene
 Concen: 92.844 ug/l
 RT: 12.733 min Scan# 4006
 Delta R.T. 0.104 min
 Lab File: VN068322.D
 Acq: 26 Aug 2021 16:13

Instrument :
 MSVOA_N
 ClientSampleId :
 PB138716TB

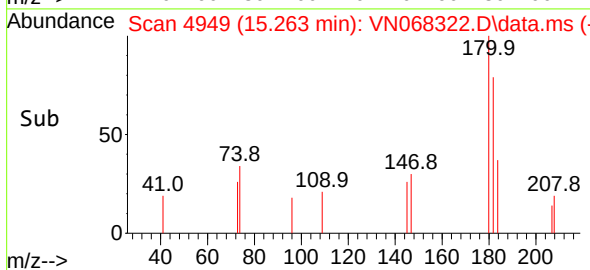
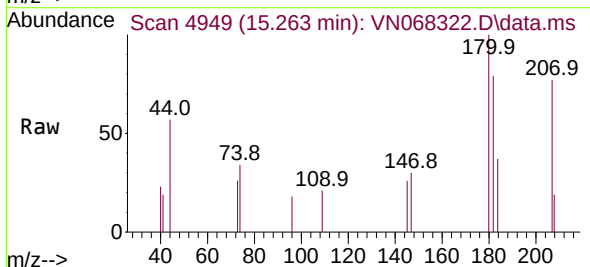
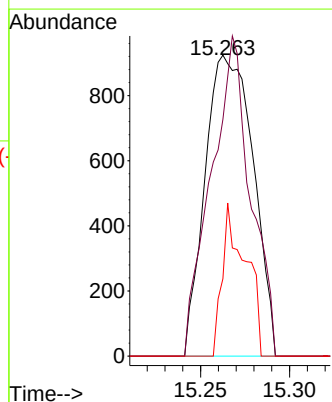


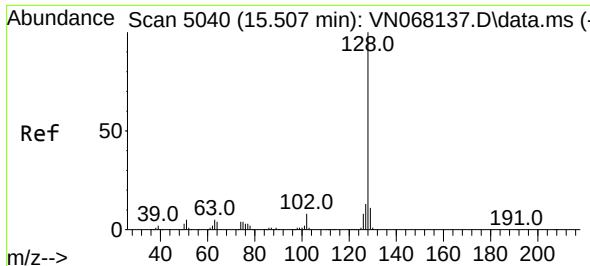
Tgt Ion: 75 Resp: 162549
 Ion Ratio Lower Upper
 75 100
 53 0.1 87.6 131.4#
 89 0.0 37.8 56.8#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.971 ug/l
 RT: 15.263 min Scan# 4949
 Delta R.T. -0.002 min
 Lab File: VN068322.D
 Acq: 26 Aug 2021 16:13

Tgt Ion: 180 Resp: 1737
 Ion Ratio Lower Upper
 180 100
 182 87.4 47.5 142.5
 145 24.7 17.2 51.6

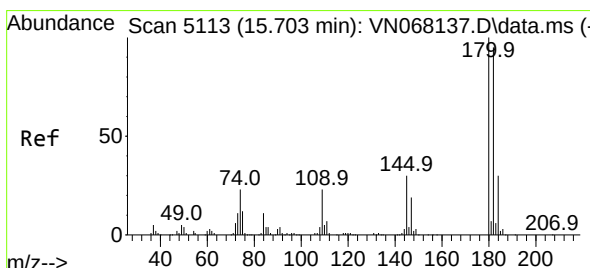
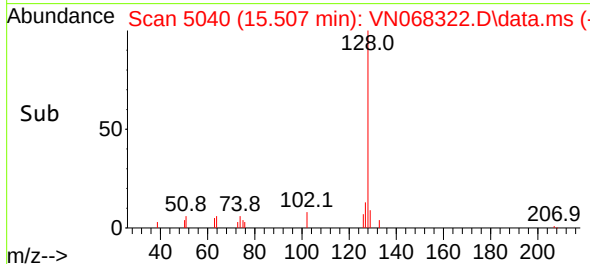
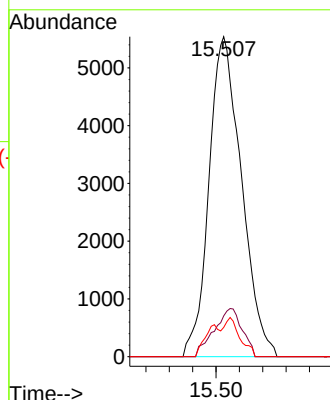
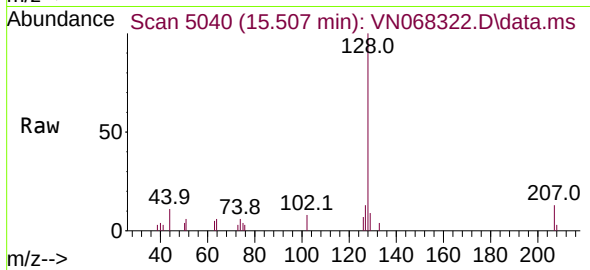




#95
Naphthalene
Concen: 4.080 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13

Instrument :
MSVOA_N
ClientSampleId :
PB138716TB

Tgt Ion:128 Resp: 10686
Ion Ratio Lower Upper
128 100
127 13.0 10.6 15.8
129 6.0 8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 3.126 ug/l
RT: 15.702 min Scan# 5113
Delta R.T. -0.001 min
Lab File: VN068322.D
Acq: 26 Aug 2021 16:13

Tgt Ion:180 Resp: 1708
Ion Ratio Lower Upper
180 100
182 40.4 47.8 143.3#
145 27.6 18.2 54.6

