

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082521\
 Data File : VN068305.D
 Acq On : 25 Aug 2021 17:16
 Operator : JC/MD
 Sample : M3534-05
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-VPB-RW7-GW-560-562

Quant Time: Aug 26 05:39:44 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)

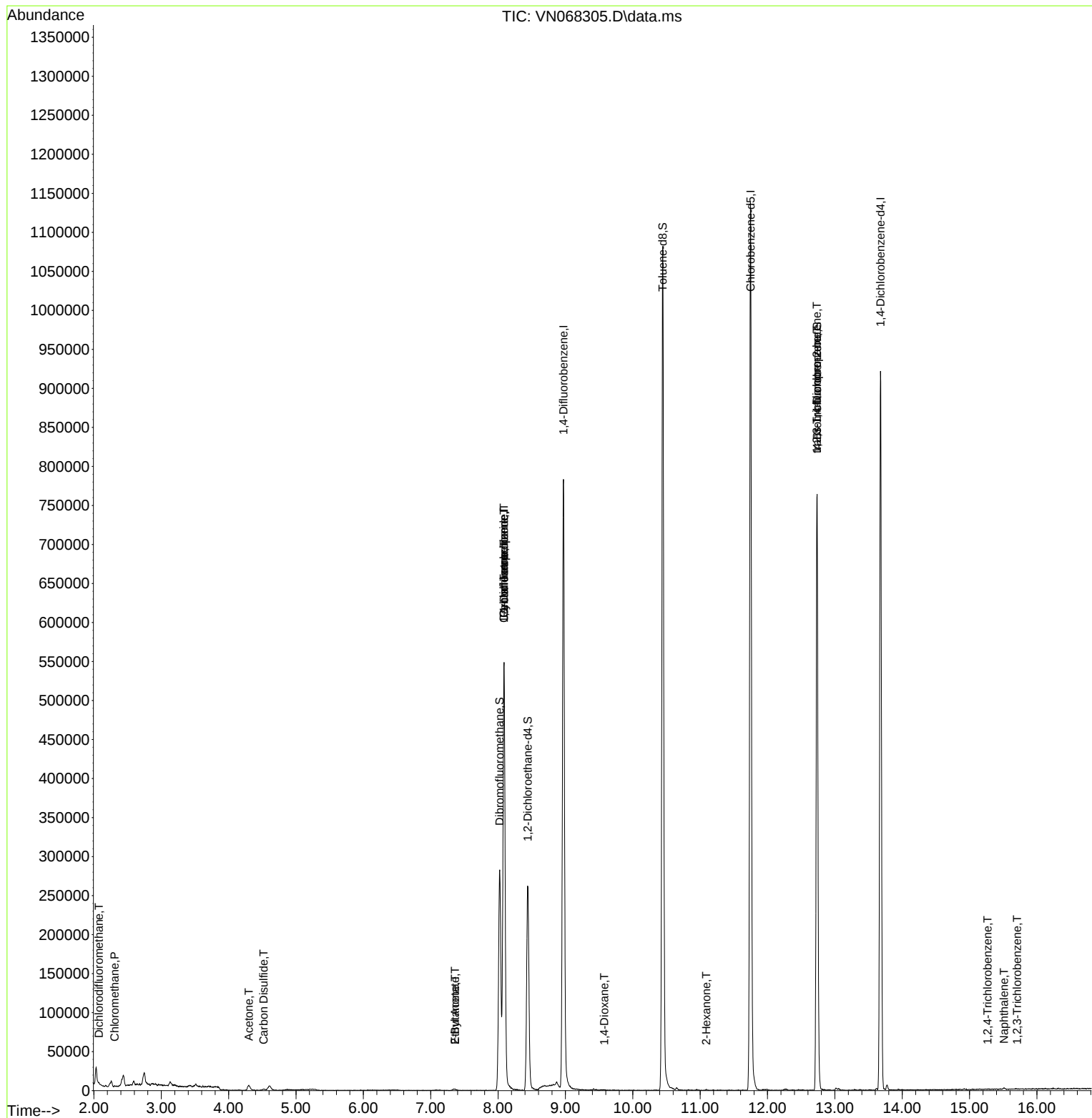
Internal Standards						
1) Pentafluorobenzene	8.088	168	446497	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	753232	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	749965	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	279492	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	227842	47.792	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	95.580%		
35) Dibromofluoromethane	8.024	113	210531	44.519	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	89.040%		
50) Toluene-d8	10.443	98	810026	44.954	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	89.900%		
62) 4-Bromofluorobenzene	12.736	95	262565	43.772	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.540%		
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.075	85	1427	0.403	ug/l	83
3) Chloromethane	2.306	50	1514	0.379	ug/l	# 86
5) Bromomethane	2.883	94	1511	Below Cal		88
6) Chloroethane	2.899	64	55	Below Cal	#	44
13) Acrolein	3.813	56	54	Below Cal	#	1
16) Acetone	4.299	43	11419	8.204	ug/l	90
17) Carbon Disulfide	4.519	76	3626	0.388	ug/l	# 74
18) Methyl Acetate	4.870	43	1329	Below Cal	#	79
20) Methylene Chloride	5.092	84	363	Below Cal	#	31
25) 2-Butanone	7.361	43	2987	1.377	ug/l	94
31) Cyclohexane	8.088	56	8156	1.299	ug/l	# 2
36) 1,1-Dichloropropene	8.086	75	29668	4.818	ug/l	# 53
37) Ethyl Acetate	7.361	43	2987	0.569	ug/l	# 69
38) Carbon Tetrachloride	8.086	117	41661	5.866	ug/l	# 19
49) 1,4-Dioxane	9.577	88	491	5.801	ug/l	# 40
59) 2-Hexanone	11.092	43	847	0.236	ug/l	# 61
76) 1,2,3-Trichloropropane	12.733	75	130853	28.168	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.733	75	130853	92.283	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.268	180	283	2.742	ug/l	# 78
95) Naphthalene	15.509	128	1867	3.503	ug/l	# 73
96) 1,2,3-Trichlorobenzene	15.705	180	204	2.875	ug/l	# 16

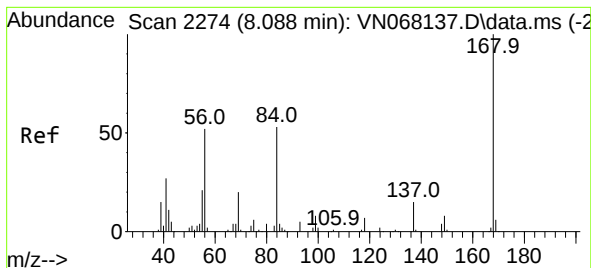
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN068305.D

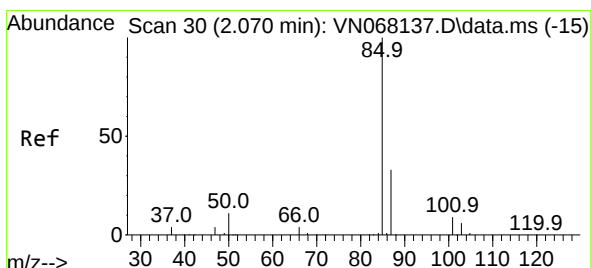
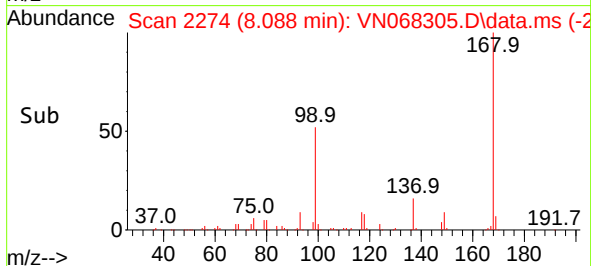
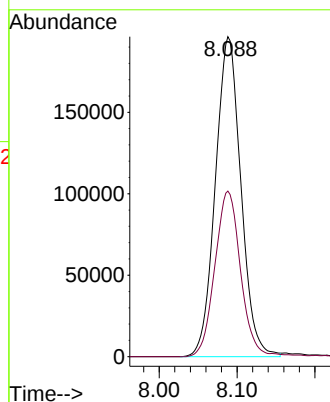
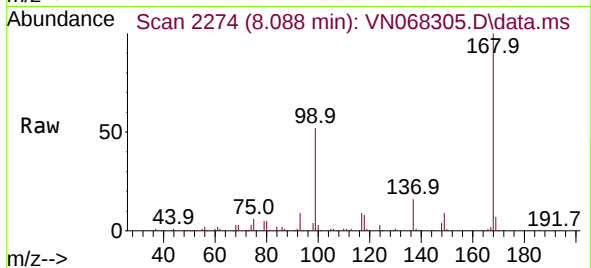
Acq: 25 Aug 2021 17:16

Tgt Ion:168 Resp: 446497

Ion Ratio Lower Upper

168 100

99 51.8 62.9 94.3#



#2

Dichlorodifluoromethane

Concen: 0.403 ug/l

RT: 2.075 min Scan# 32

Delta R.T. 0.005 min

Lab File: VN068305.D

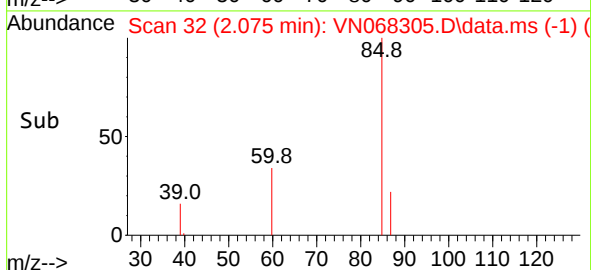
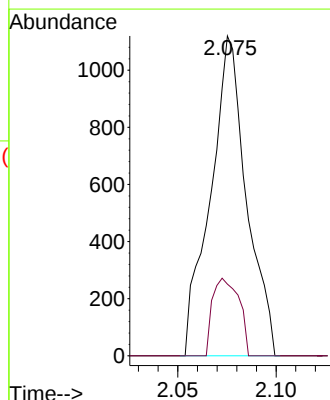
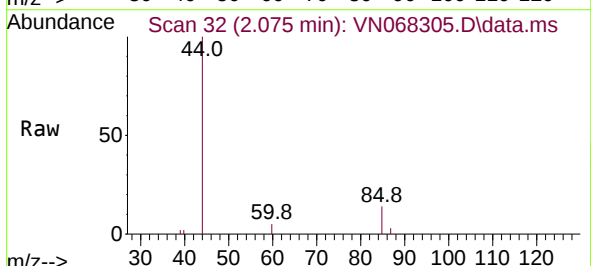
Acq: 25 Aug 2021 17:16

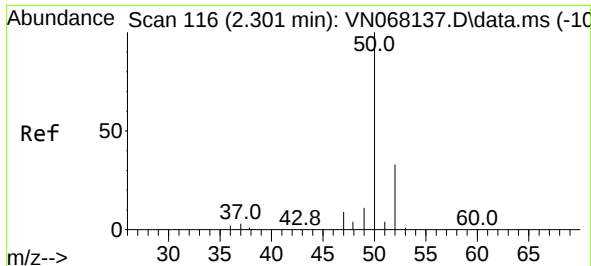
Tgt Ion: 85 Resp: 1427

Ion Ratio Lower Upper

85 100

87 22.4 16.1 48.2

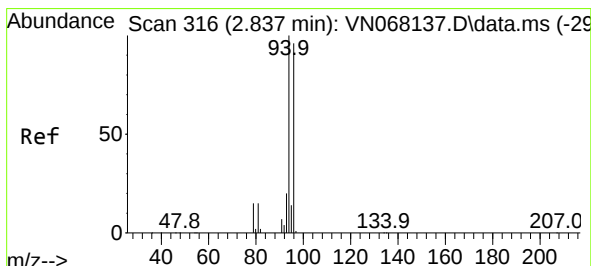
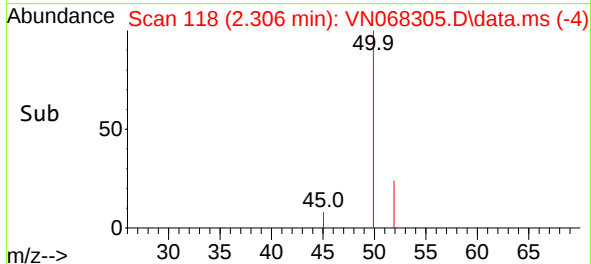
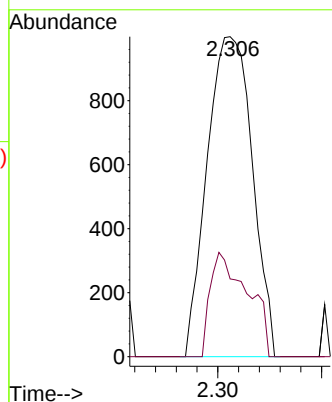
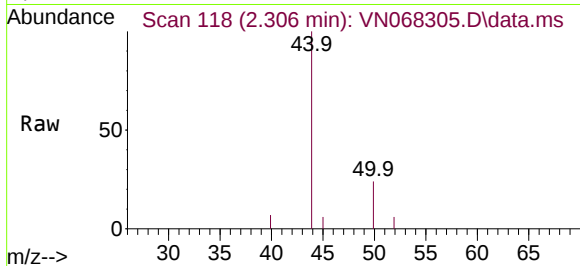




#3
Chloromethane
Concen: 0.379 ug/l
RT: 2.306 min Scan# 118
Delta R.T. 0.005 min
Lab File: VN068305.D
Acq: 25 Aug 2021 17:16

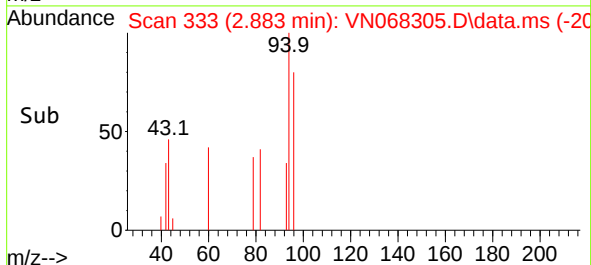
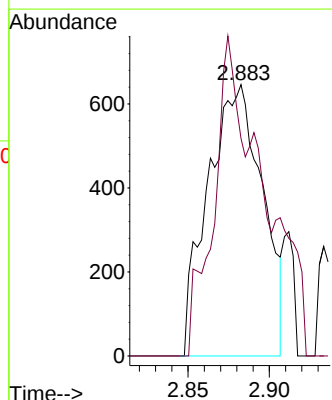
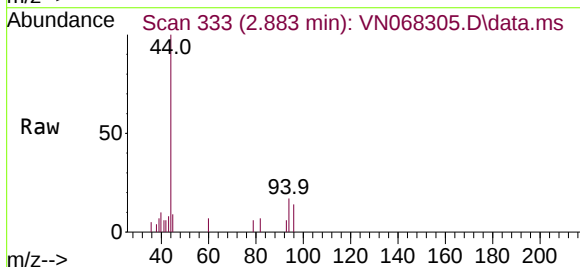
Instrument :
MSVOA_N
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BP-TT-VPB-RW7-GW-560-562

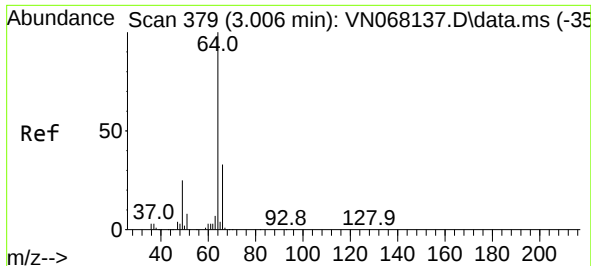
Tgt Ion: 50 Resp: 1514
Ion Ratio Lower Upper
50 100
52 24.3 25.6 38.4#



#5
Bromomethane
Concen: Below Cal
RT: 2.883 min Scan# 333
Delta R.T. 0.046 min
Lab File: VN068305.D
Acq: 25 Aug 2021 17:16

Tgt Ion: 94 Resp: 1511
Ion Ratio Lower Upper
94 100
96 80.2 73.7 110.5

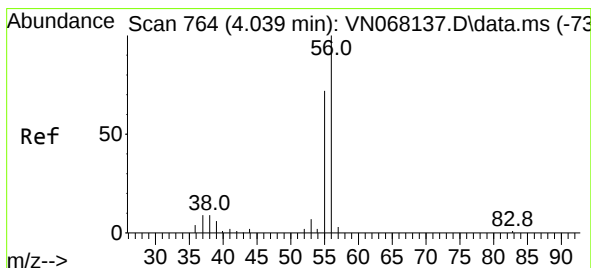
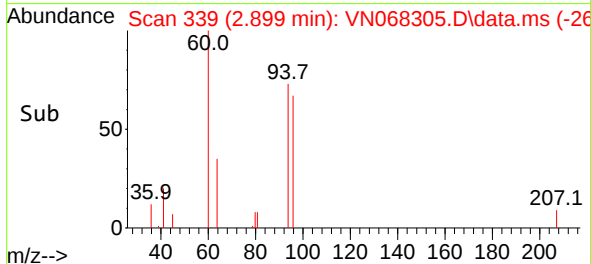
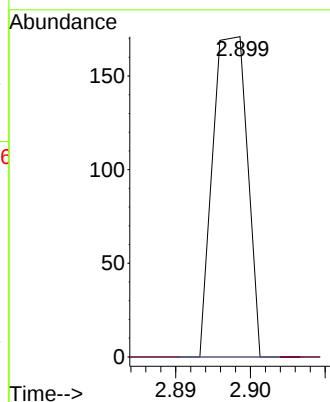
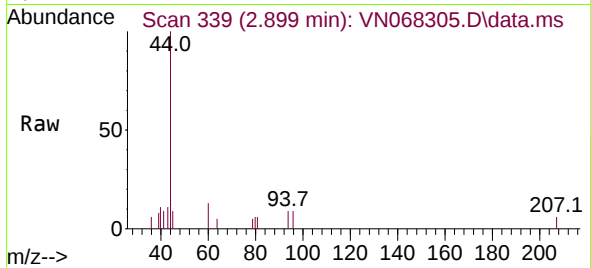




#6
Chloroethane
Concen: Below Cal
RT: 2.899 min Scan# 339
Delta R.T. -0.107 min
Lab File: VN068305.D
Acq: 25 Aug 2021 17:16

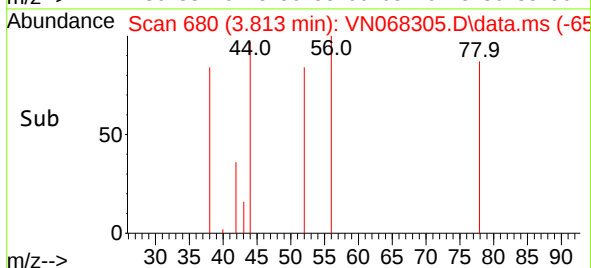
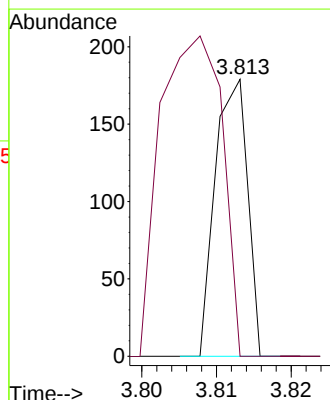
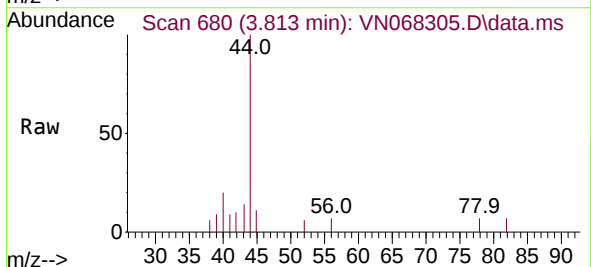
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-GW-560-562

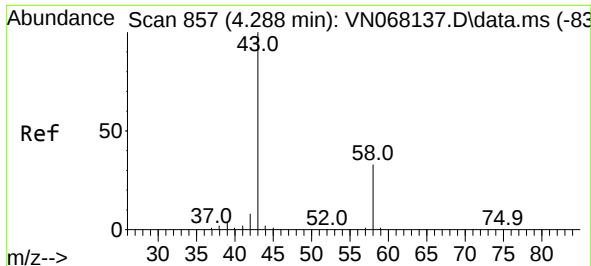
Tgt Ion: 64 Resp: 55
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 3.813 min Scan# 680
Delta R.T. -0.226 min
Lab File: VN068305.D
Acq: 25 Aug 2021 17:16

Tgt Ion: 56 Resp: 54
Ion Ratio Lower Upper
56 100
55 220.4 57.4 86.0#

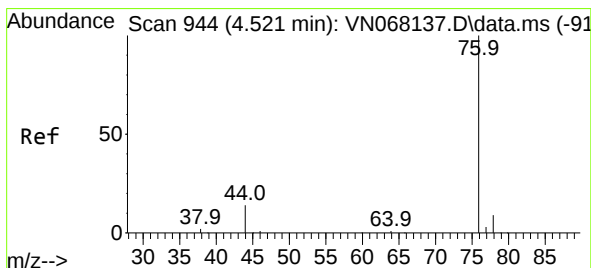
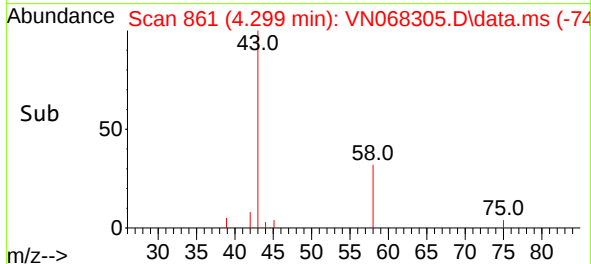
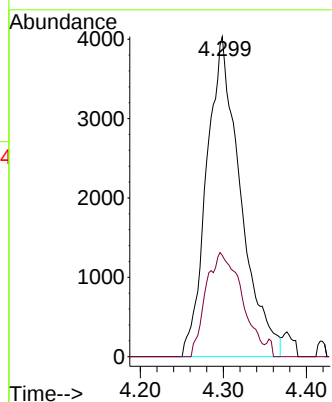
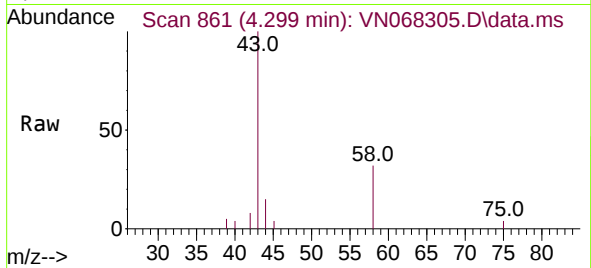




#16
Acetone
Concen: 8.204 ug/l
RT: 4.299 min Scan# 861
Delta R.T. 0.011 min
Lab File: VN068305.D
Acq: 25 Aug 2021 17:16

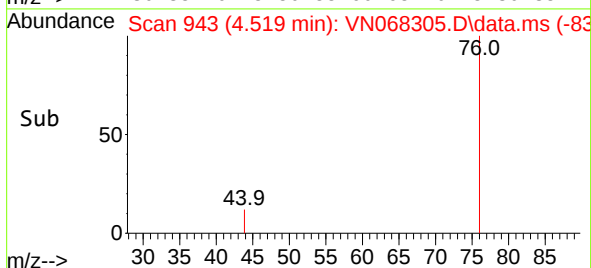
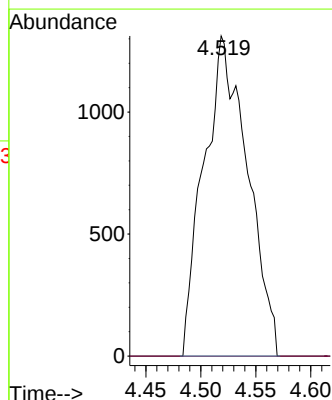
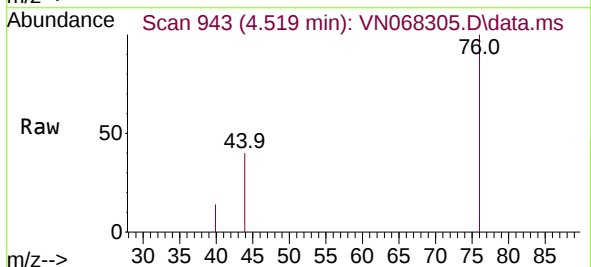
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-GW-560-562

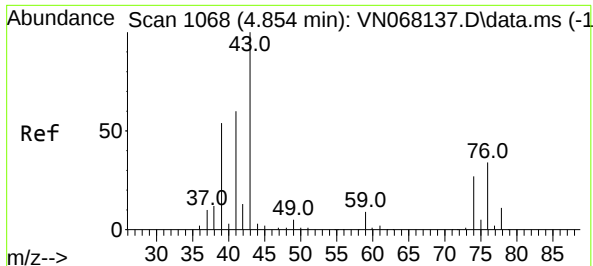
Tgt Ion: 43 Resp: 11419
Ion Ratio Lower Upper
43 100
58 31.6 21.2 31.8



#17
Carbon Disulfide
Concen: 0.388 ug/l
RT: 4.519 min Scan# 943
Delta R.T. -0.002 min
Lab File: VN068305.D
Acq: 25 Aug 2021 17:16

Tgt Ion: 76 Resp: 3626
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.870 min Scan# 1074

Delta R.T. 0.016 min

Lab File: VN068305.D

Acq: 25 Aug 2021 17:16

Instrument :

MSVOA_N

ClientSampleId :

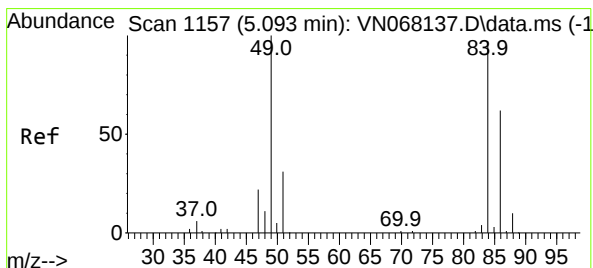
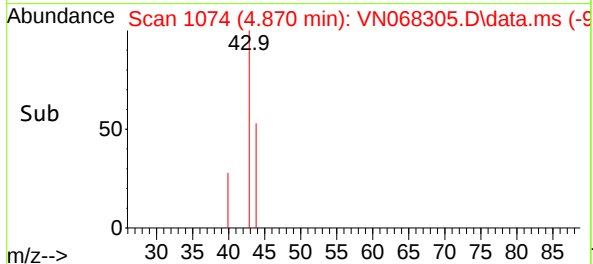
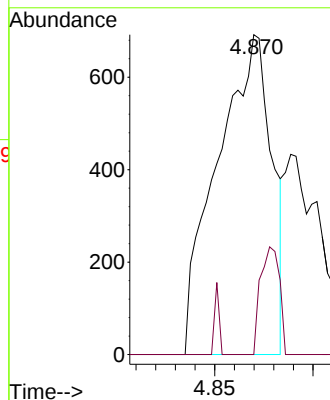
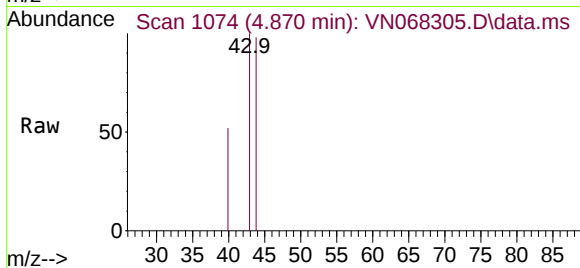
BP-TT-VPB-RW7-GW-560-562

Tgt Ion: 43 Resp: 1329

Ion Ratio Lower Upper

43 100

74 11.7 17.4 26.0#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.092 min Scan# 1157

Delta R.T. -0.001 min

Lab File: VN068305.D

Acq: 25 Aug 2021 17:16

Tgt Ion: 84 Resp: 363

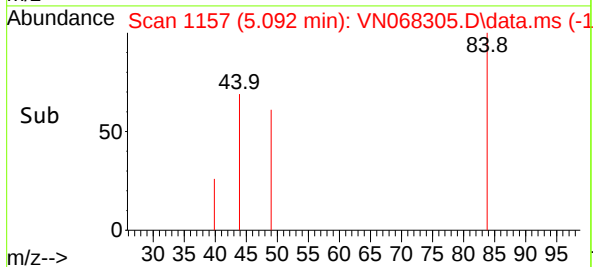
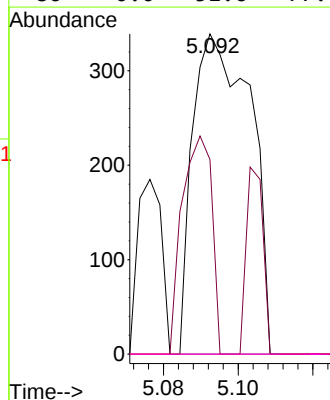
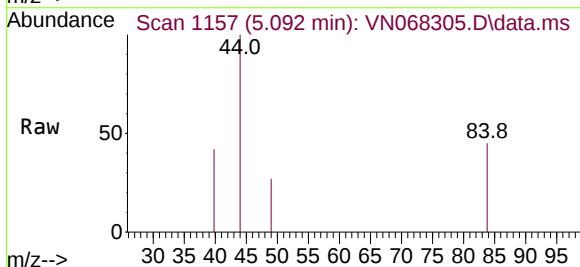
Ion Ratio Lower Upper

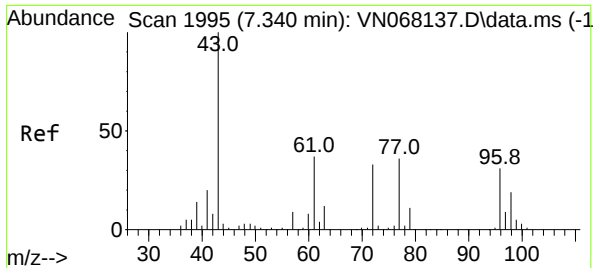
84 100

49 60.8 110.9 166.3#

51 0.0 32.6 49.0#

86 0.0 51.6 77.4#

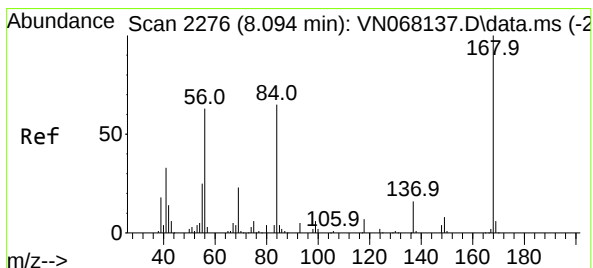
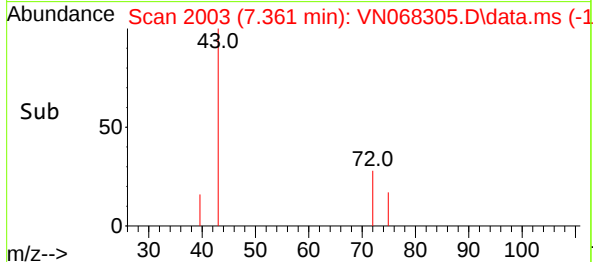
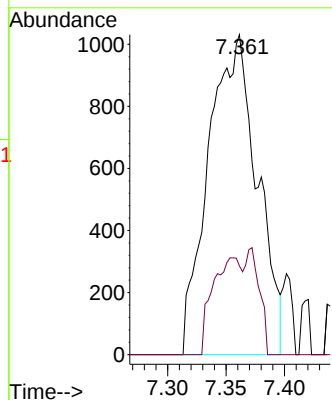
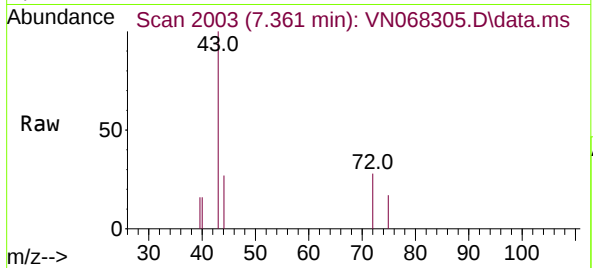




#25
2-Butanone
Concen: 1.377 ug/l
RT: 7.361 min Scan# 2003
Delta R.T. 0.021 min
Lab File: VN068305.D
Acq: 25 Aug 2021 17:16

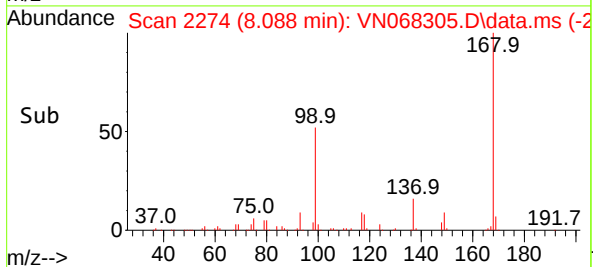
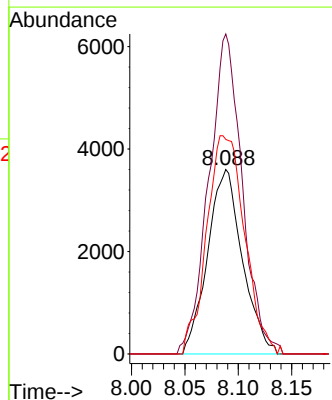
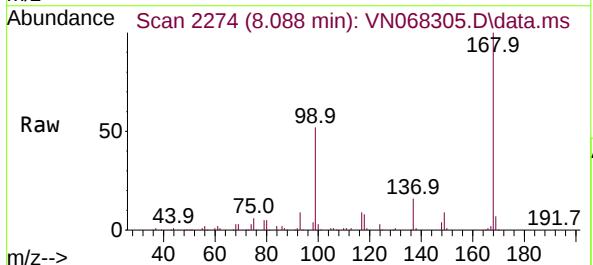
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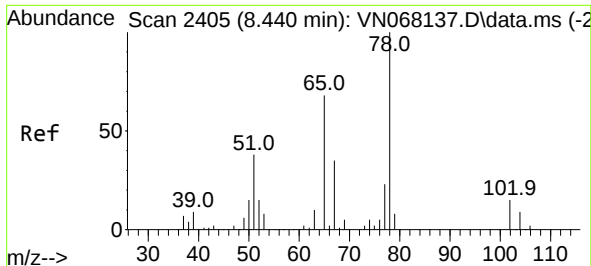
Tgt Ion: 43 Resp: 2987
Ion Ratio Lower Upper
43 100
72 27.7 19.7 29.5



#31
Cyclohexane
Concen: 1.299 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN068305.D
Acq: 25 Aug 2021 17:16

Tgt Ion: 56 Resp: 8156
Ion Ratio Lower Upper
56 100
69 169.1 27.3 40.9#
84 116.3 64.9 97.3#

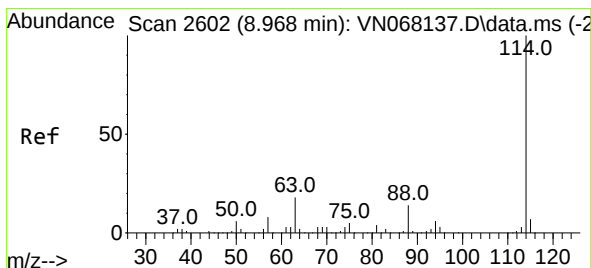
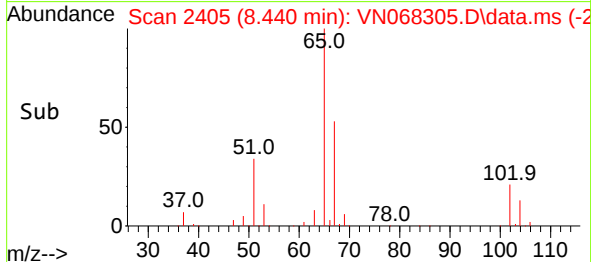
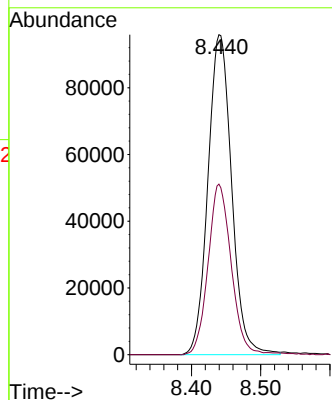
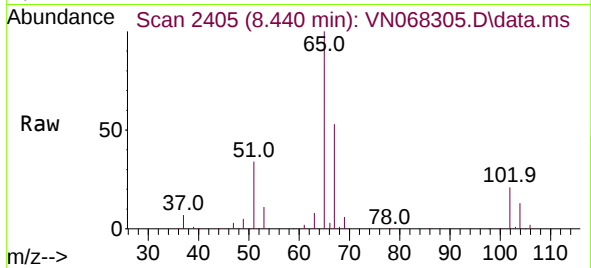




#33
 1,2-Dichloroethane-d4
 Concen: 47.792 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068305.D
 Acq: 25 Aug 2021 17:16

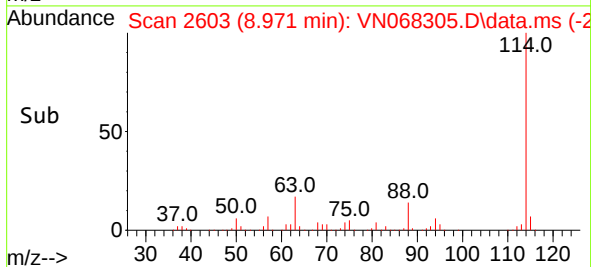
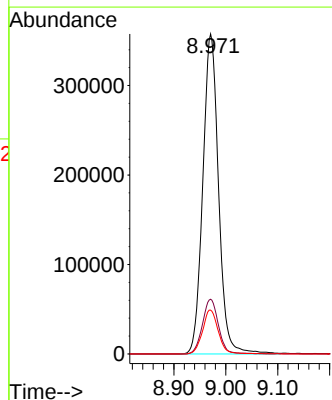
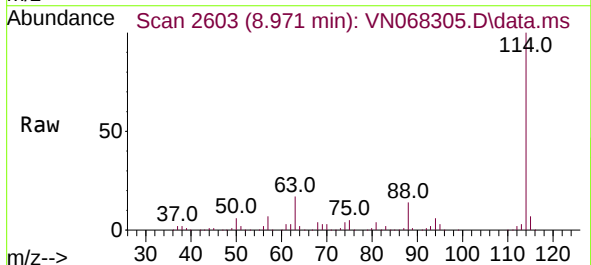
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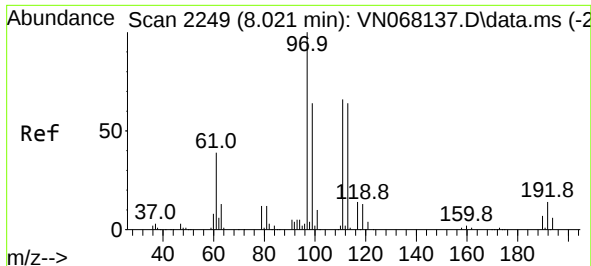
Tgt Ion: 65 Resp: 227842
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068305.D
 Acq: 25 Aug 2021 17:16

Tgt Ion: 114 Resp: 753232
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 49.0
 88 13.7 0.0 36.6

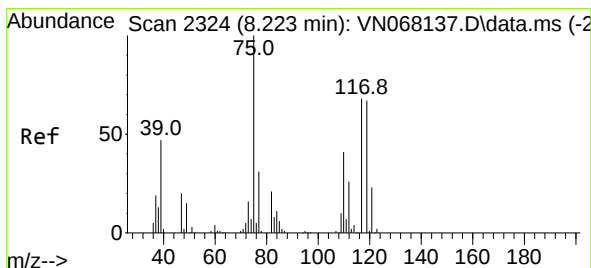
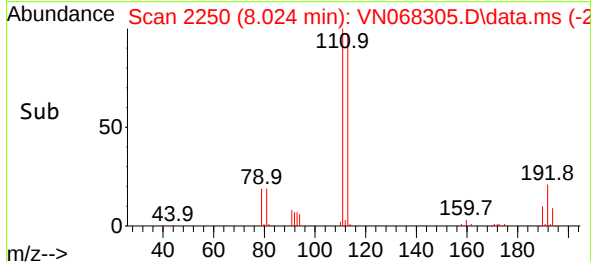
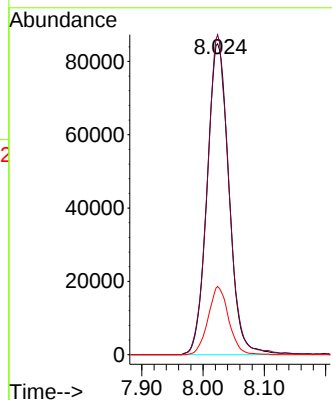
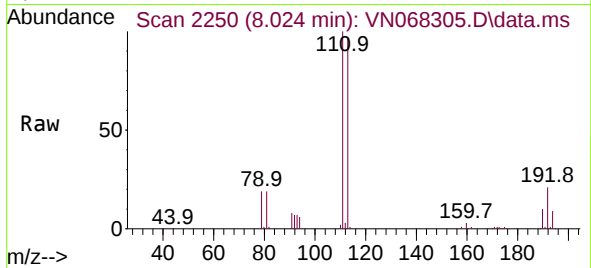




#35
Dibromofluoromethane
Concen: 44.519 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068305.D
Acq: 25 Aug 2021 17:16

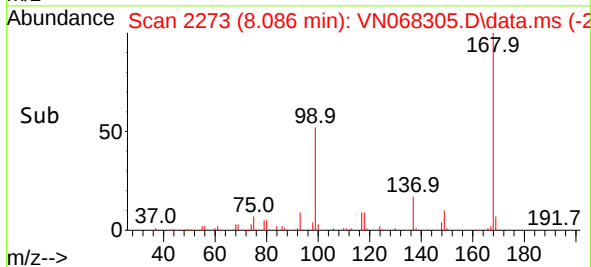
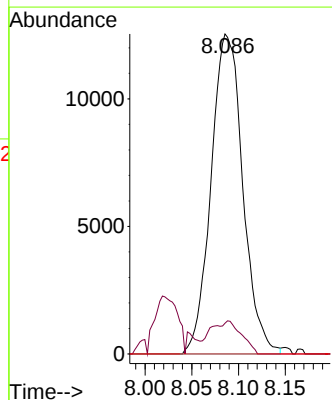
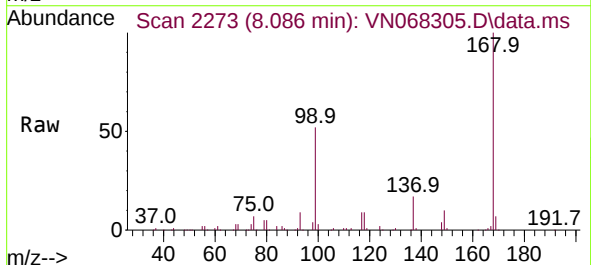
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-GW-560-562

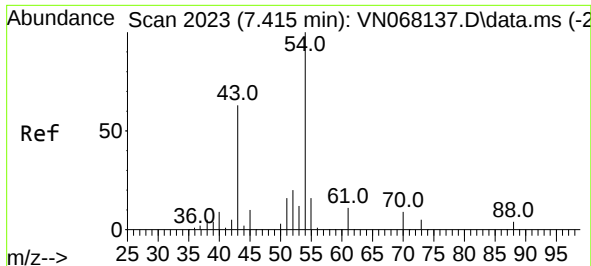
Tgt Ion:113 Resp: 210531
Ion Ratio Lower Upper
113 100
111 101.1 83.8 125.8
192 20.6 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.818 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.137 min
Lab File: VN068305.D
Acq: 25 Aug 2021 17:16

Tgt Ion: 75 Resp: 29668
Ion Ratio Lower Upper
75 100
110 10.2 15.7 47.0#
77 0.0 24.6 37.0#

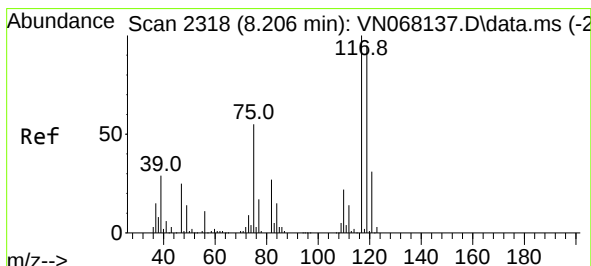
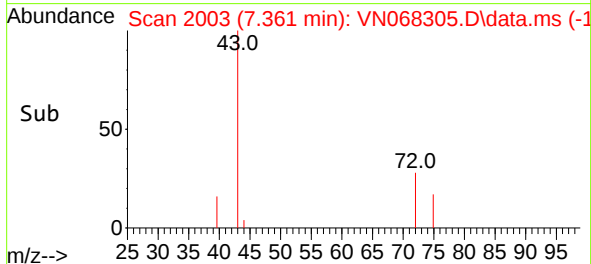
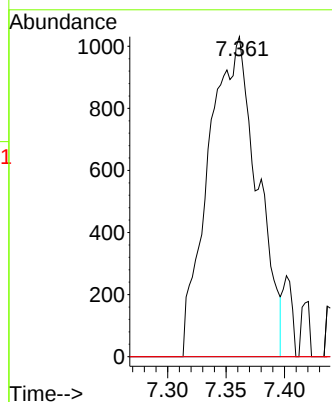
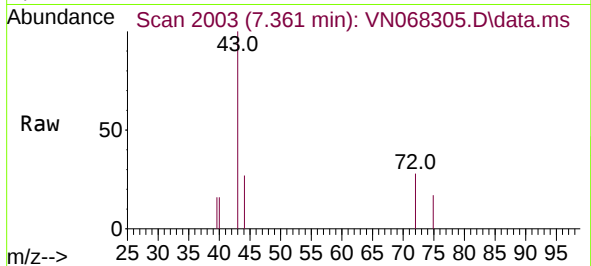




#37
Ethyl Acetate
Concen: 0.569 ug/l
RT: 7.361 min Scan# 2003
Delta R.T. -0.054 min
Lab File: VN068305.D
Acq: 25 Aug 2021 17:16

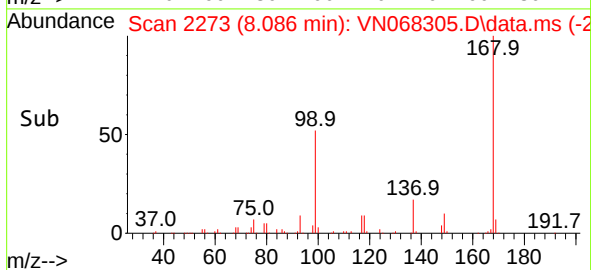
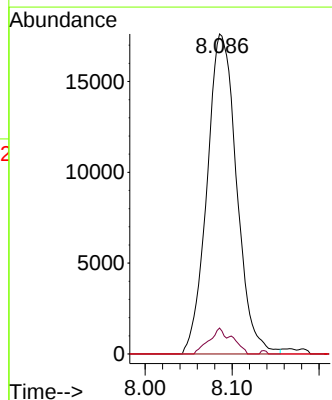
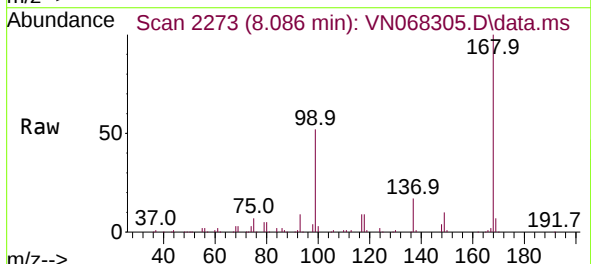
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-GW-560-562

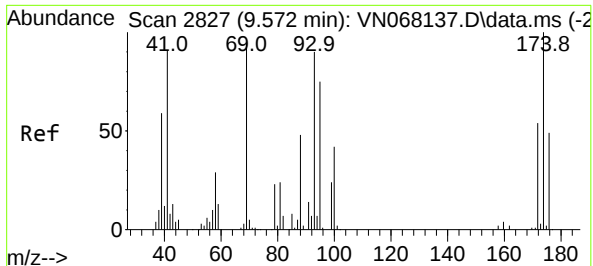
Tgt Ion:	43	Resp:	2987
Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	16.0#
70	0.0	8.1	12.1#



#38
Carbon Tetrachloride
Concen: 5.866 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.120 min
Lab File: VN068305.D
Acq: 25 Aug 2021 17:16

Tgt Ion:	117	Resp:	41661
Ion	Ratio	Lower	Upper
117	100		
119	8.1	75.4	113.2#
121	0.0	23.5	35.3#

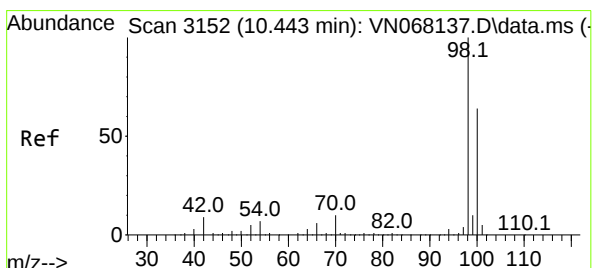
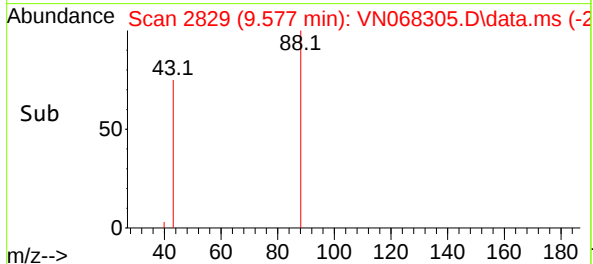
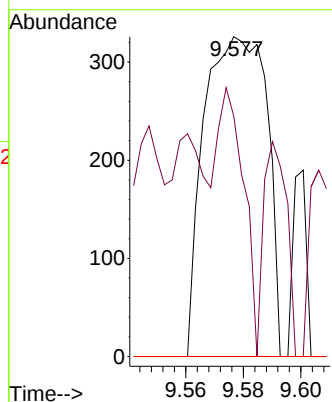
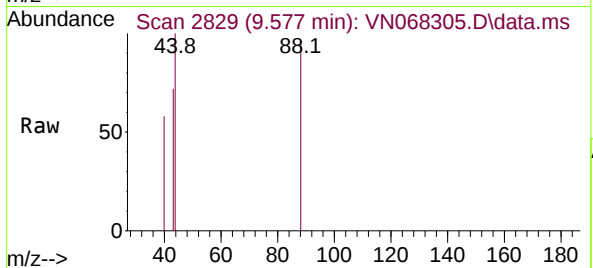




#49
1,4-Dioxane
Concen: 5.801 ug/l
RT: 9.577 min Scan# 2829
Delta R.T. 0.005 min
Lab File: VN068305.D
Acq: 25 Aug 2021 17:16

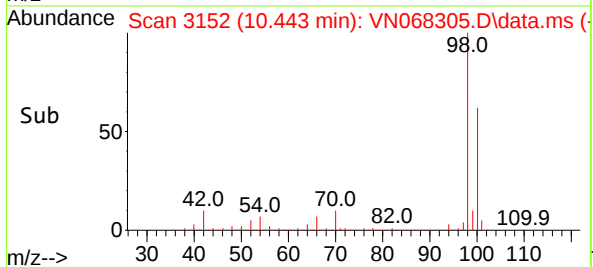
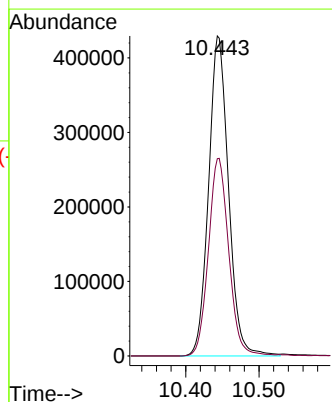
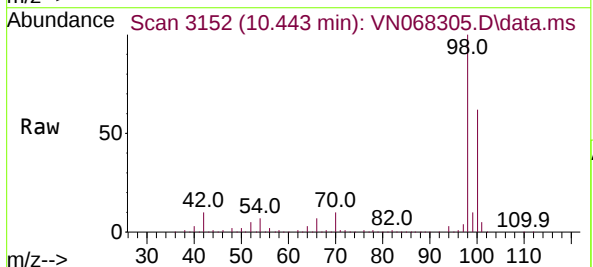
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-GW-560-562

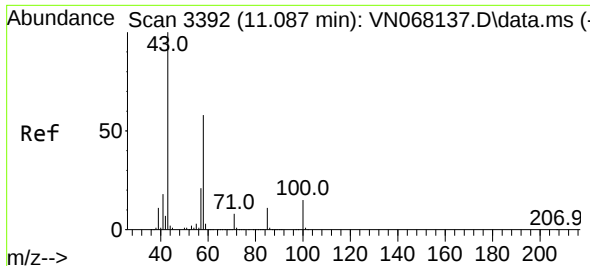
Tgt Ion: 88 Resp: 491
Ion Ratio Lower Upper
88 100
43 35.6 28.8 43.2
58 0.0 60.4 90.6#



#50
Toluene-d8
Concen: 44.954 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. -0.000 min
Lab File: VN068305.D
Acq: 25 Aug 2021 17:16

Tgt Ion: 98 Resp: 810026
Ion Ratio Lower Upper
98 100
100 63.0 51.7 77.5

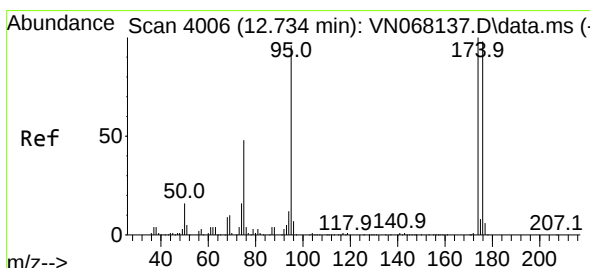
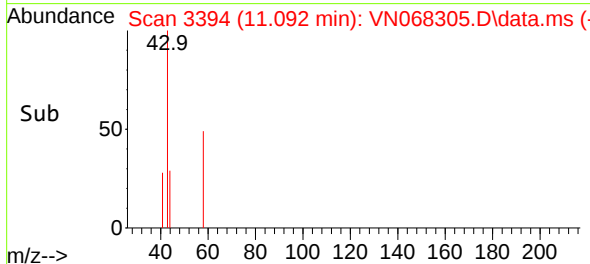
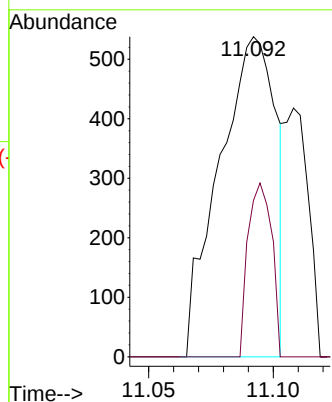
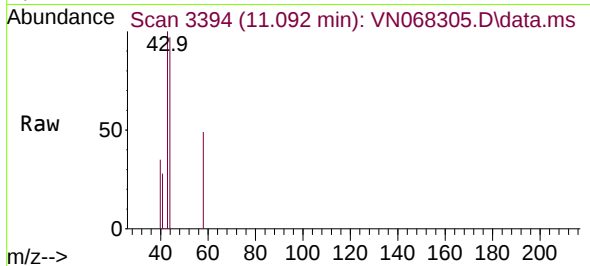




#59
2-Hexanone
Concen: 0.236 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068305.D
Acq: 25 Aug 2021 17:16

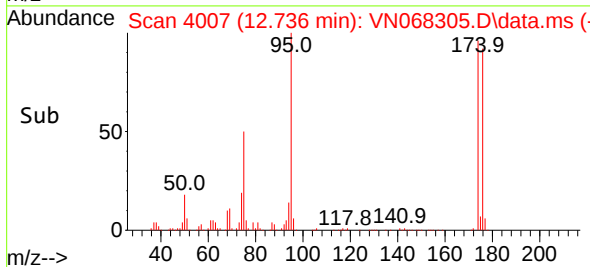
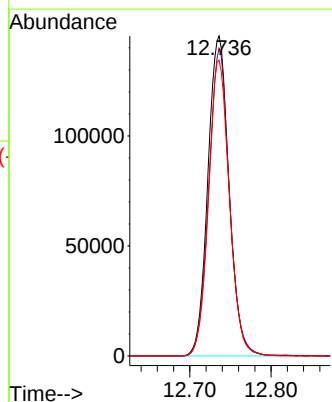
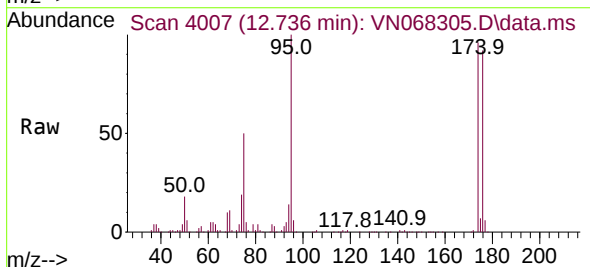
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-GW-560-562

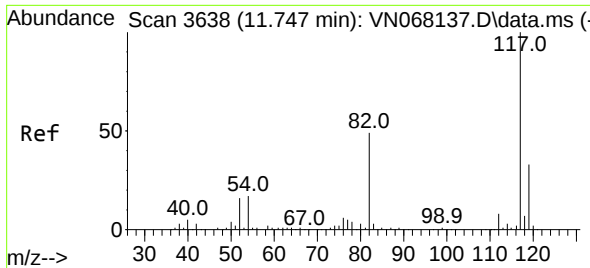
Tgt Ion: 43 Resp: 847
Ion Ratio Lower Upper
43 100
58 22.8 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 43.772 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068305.D
Acq: 25 Aug 2021 17:16

Tgt Ion: 95 Resp: 262565
Ion Ratio Lower Upper
95 100
174 94.2 0.0 122.0
176 90.9 0.0 117.6

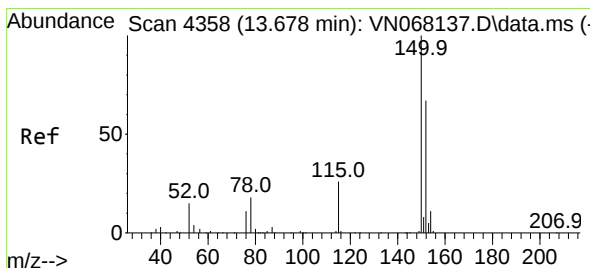
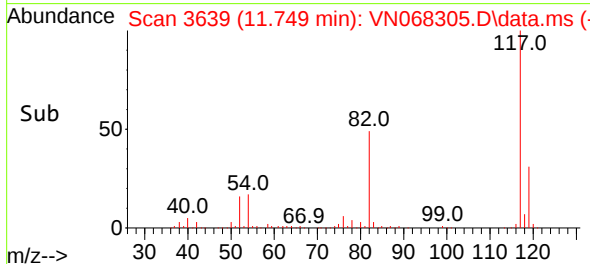
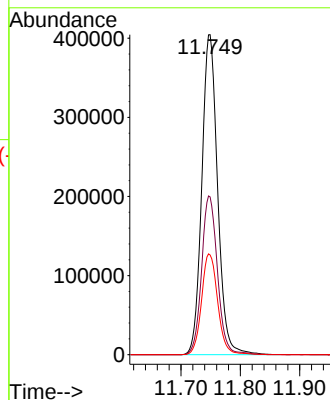
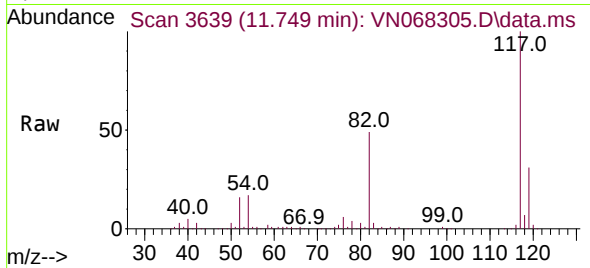




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068305.D
Acq: 25 Aug 2021 17:16

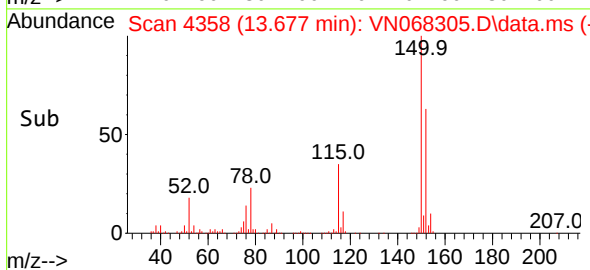
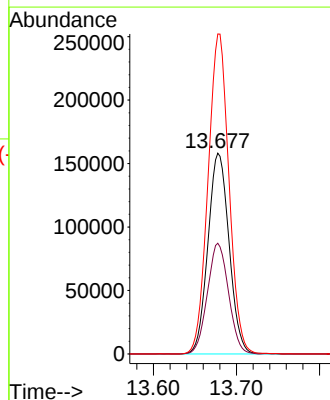
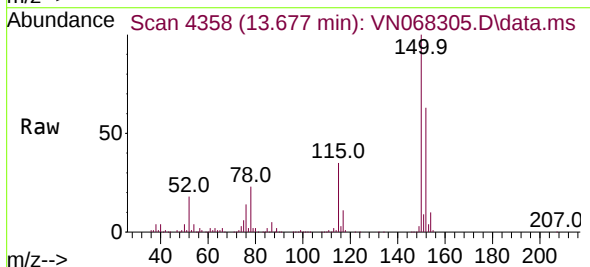
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-GW-560-562

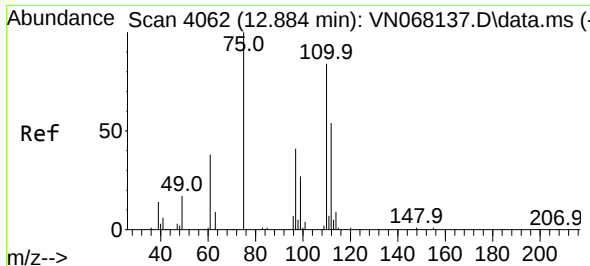
Tgt Ion:117 Resp: 749965
Ion Ratio Lower Upper
117 100
82 49.3 53.1 79.7#
119 31.2 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.001 min
Lab File: VN068305.D
Acq: 25 Aug 2021 17:16

Tgt Ion:152 Resp: 279492
Ion Ratio Lower Upper
152 100
115 55.1 36.1 108.5
150 157.4 0.0 351.8

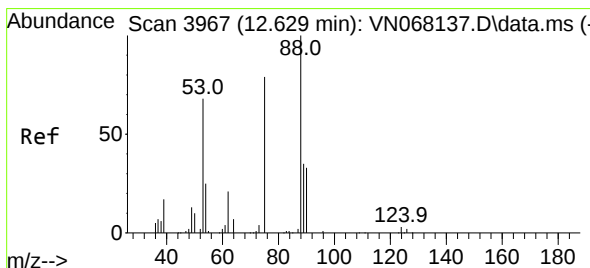
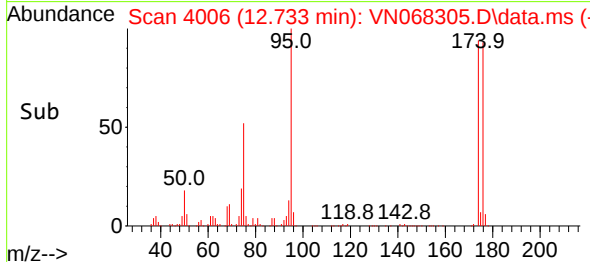
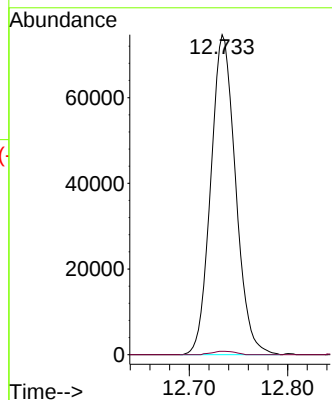
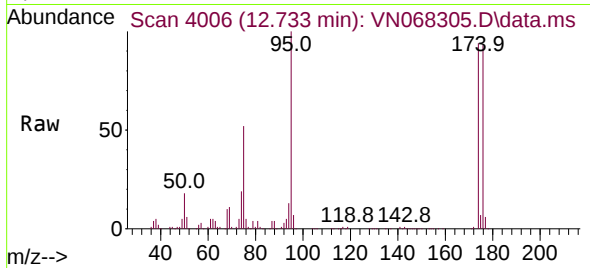




#76
1,2,3-Trichloropropane
Concen: 28.168 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068305.D
Acq: 25 Aug 2021 17:16

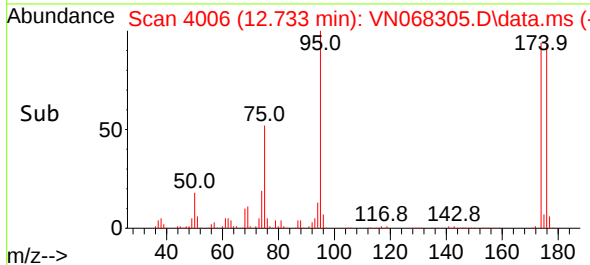
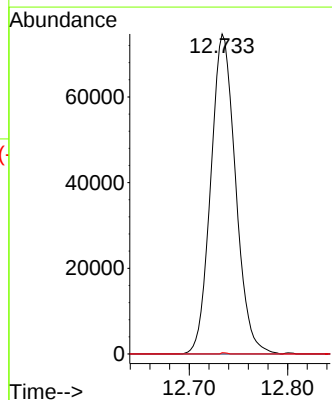
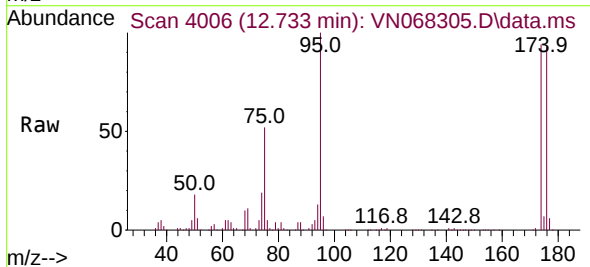
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-GW-560-562

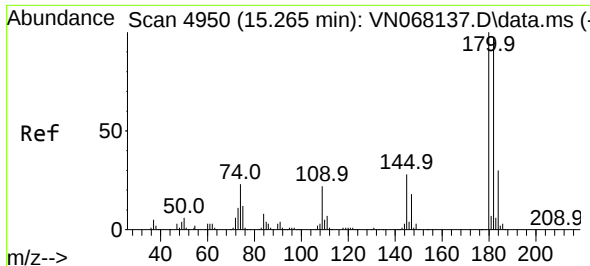
Tgt Ion: 75 Resp: 130853
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.283 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068305.D
Acq: 25 Aug 2021 17:16

Tgt Ion: 75 Resp: 130853
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.1 37.8 56.8#

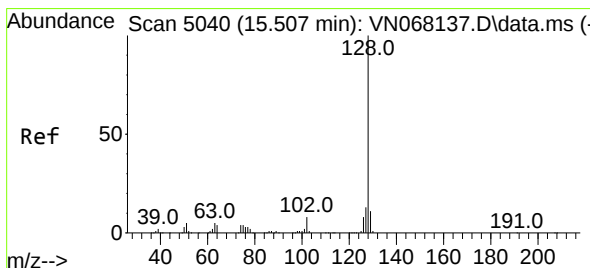
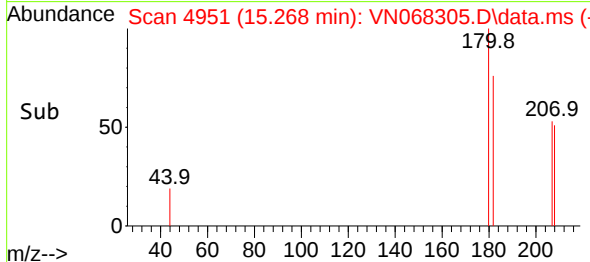
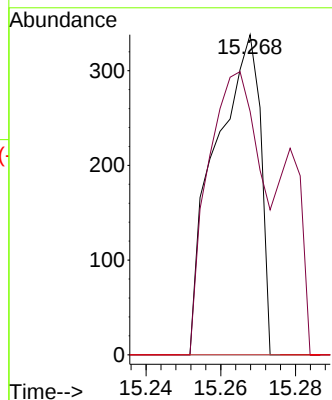
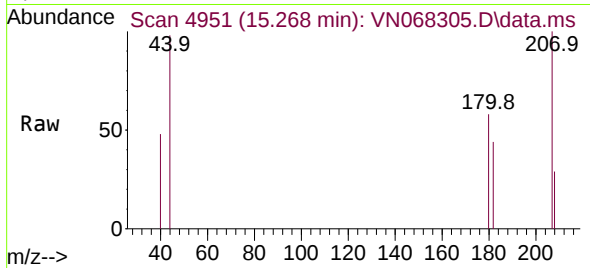




#93
1,2,4-Trichlorobenzene
Concen: 2.742 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068305.D
Acq: 25 Aug 2021 17:16

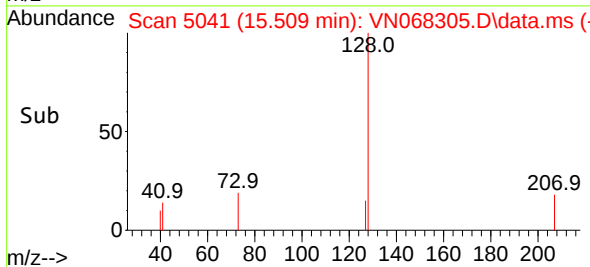
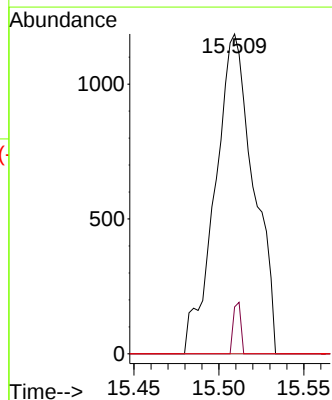
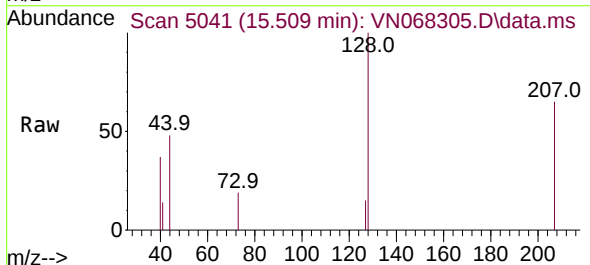
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-GW-560-562

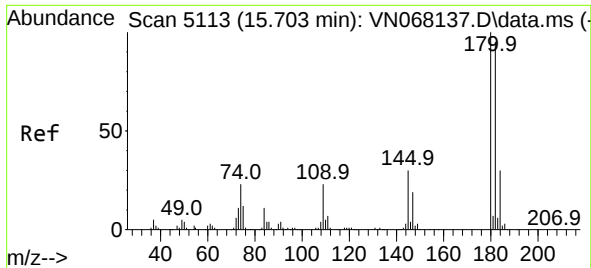
Tgt Ion:180 Resp: 283
Ion Ratio Lower Upper
180 100
182 103.5 47.5 142.5
145 0.0 17.2 51.6#



#95
Naphthalene
Concen: 3.503 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068305.D
Acq: 25 Aug 2021 17:16

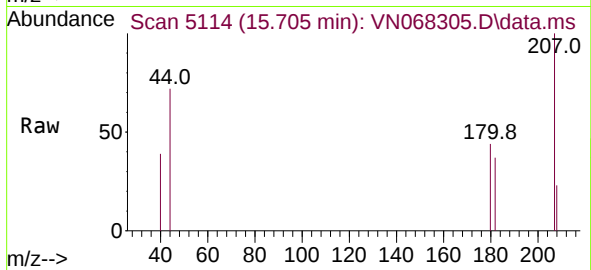
Tgt Ion:128 Resp: 1867
Ion Ratio Lower Upper
128 100
127 3.2 10.6 15.8#
129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.875 ug/l
 RT: 15.705 min Scan# 5114
 Delta R.T. 0.002 min
 Lab File: VN068305.D
 Acq: 25 Aug 2021 17:16

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-VPB-RW7-GW-560-562



Tgt Ion:	180	Resp:	204
Ion	Ratio	Lower	Upper
180	100		
182	185.8	47.8	143.3#
145	0.0	18.2	54.6#

