

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082521\
 Data File : VN068302.D
 Acq On : 25 Aug 2021 16:01
 Operator : JC/MD
 Sample : M3534-02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-TT-VPB-RW7-GW-525-527

Quant Time: Aug 26 05:39:14 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)

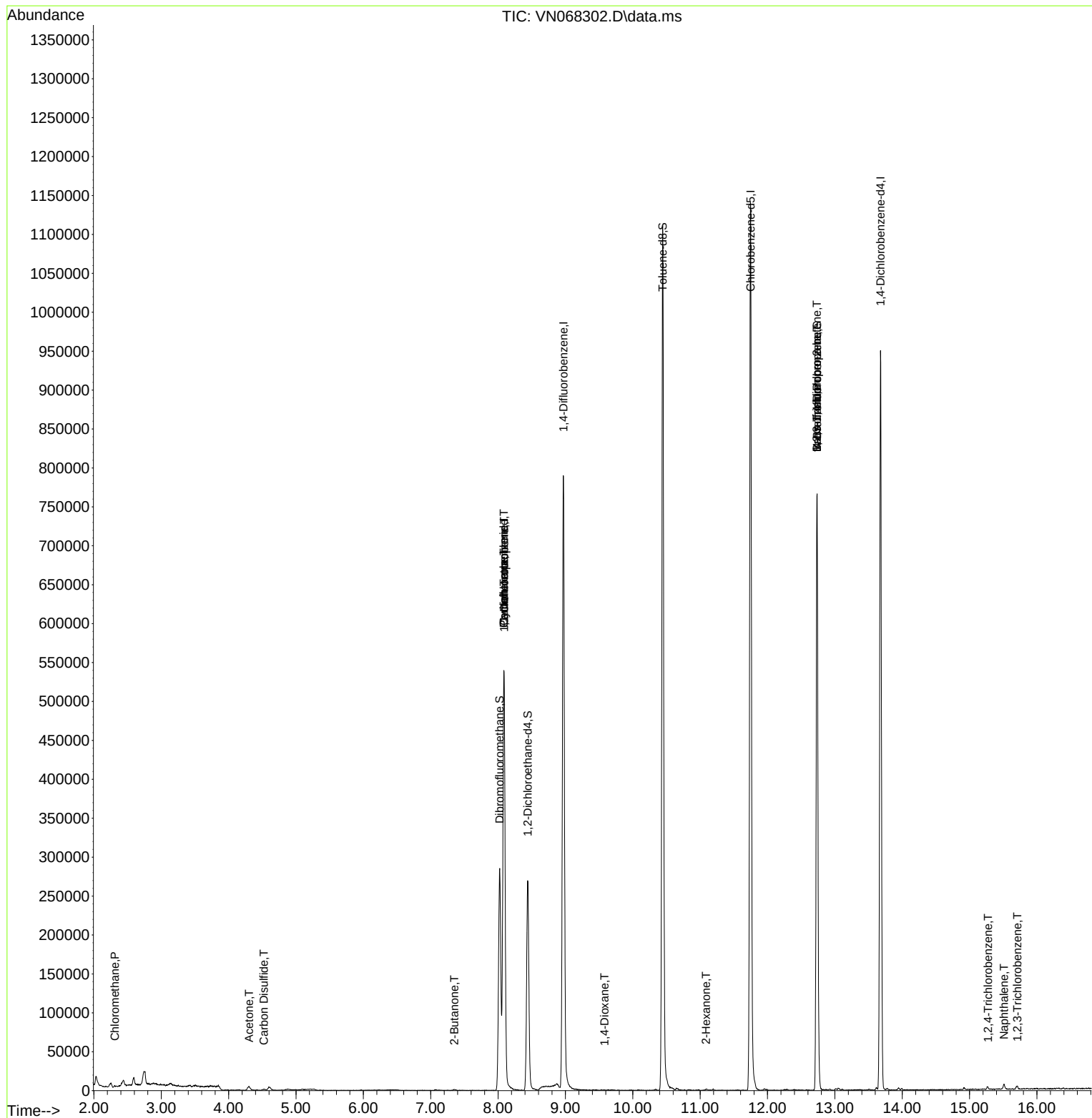
Internal Standards						
1) Pentafluorobenzene	8.088	168	458678	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	762973	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	758216	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	286962	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	229742	46.911	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	93.820%
35) Dibromofluoromethane	8.024	113	205730	42.949	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	85.900%
50) Toluene-d8	10.443	98	822810	45.080	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	90.160%
62) 4-Bromofluorobenzene	12.736	95	264475	43.527	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	87.060%
Target Compounds						
						Qvalue
3) Chloromethane	2.309	50	1867	0.455	ug/l	94
5) Bromomethane	2.805	94	51	Below Cal	#	4
6) Chloroethane	3.014	64	51	Below Cal	#	44
13) Acrolein	4.047	56	190	Below Cal	#	65
16) Acetone	4.301	43	8652	6.051	ug/l	# 87
17) Carbon Disulfide	4.524	76	2883	0.300	ug/l	# 74
18) Methyl Acetate	4.883	43	2368	Below Cal	#	72
20) Methylene Chloride	5.082	84	168	Below Cal	#	20
25) 2-Butanone	7.351	43	1023	0.459	ug/l	# 67
31) Cyclohexane	8.086	56	7724	1.197	ug/l	# 10
36) 1,1-Dichloropropene	8.091	75	30524	4.894	ug/l	# 46
38) Carbon Tetrachloride	8.088	117	44472	6.182	ug/l	# 17
49) 1,4-Dioxane	9.580	88	51	0.595	ug/l	# 55
59) 2-Hexanone	11.087	43	862	0.237	ug/l	# 69
71) Bromoform	12.734	173	3047	0.649	ug/l	# 1
76) 1,2,3-Trichloropropane	12.734	75	133482	27.986	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.734	75	133482	91.687	ug/l	# 6
93) 1,2,4-Trichlorobenzene	15.273	180	1412	2.964	ug/l	# 79
95) Naphthalene	15.509	128	7416	3.959	ug/l	# 91
96) 1,2,3-Trichlorobenzene	15.708	180	1834	3.212	ug/l	# 57

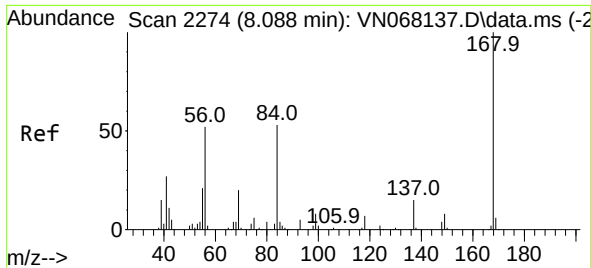
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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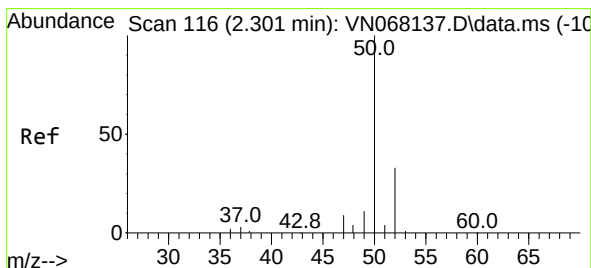
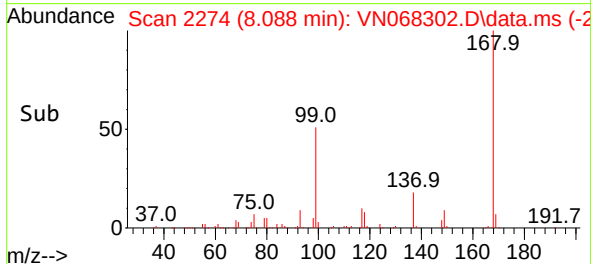
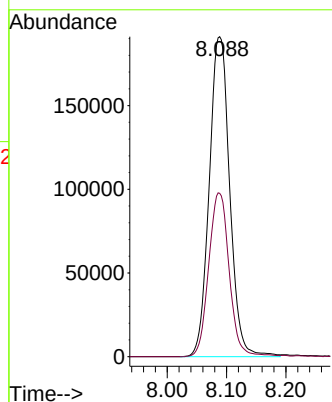
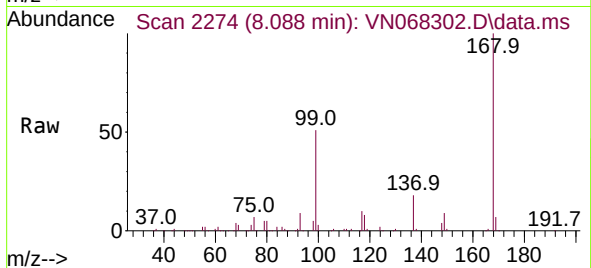




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. 0.000 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

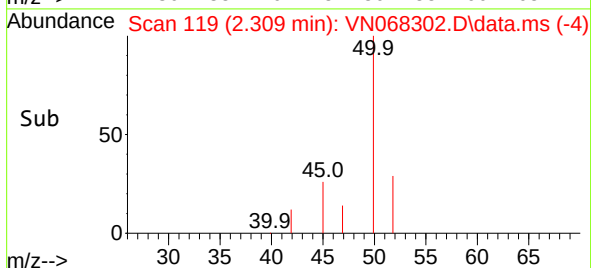
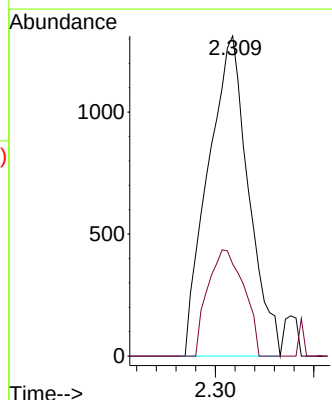
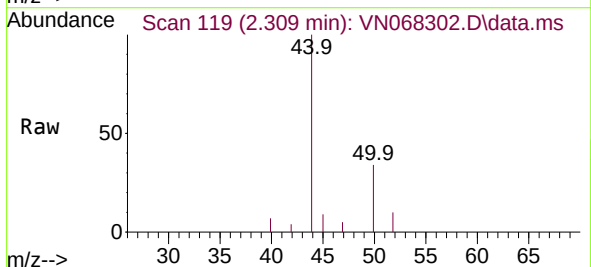
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-GW-525-527

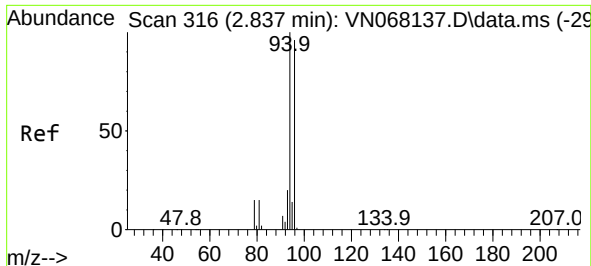
Tgt Ion:168 Resp: 458678
Ion Ratio Lower Upper
168 100
99 51.0 62.9 94.3#



#3
Chloromethane
Concen: 0.455 ug/l
RT: 2.309 min Scan# 119
Delta R.T. 0.008 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

Tgt Ion: 50 Resp: 1867
Ion Ratio Lower Upper
50 100
52 28.7 25.6 38.4

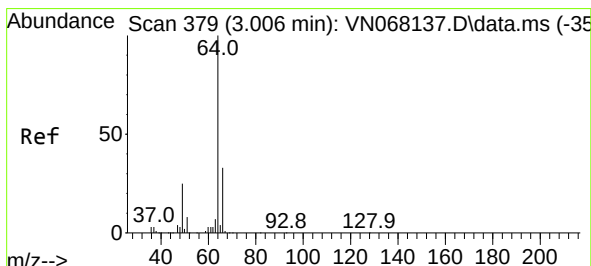
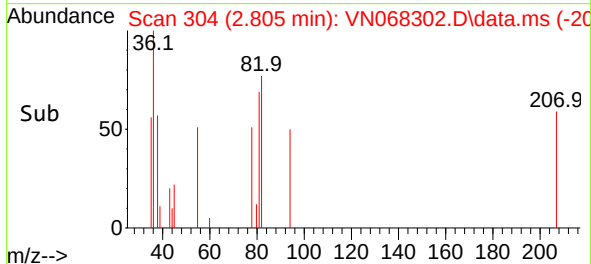
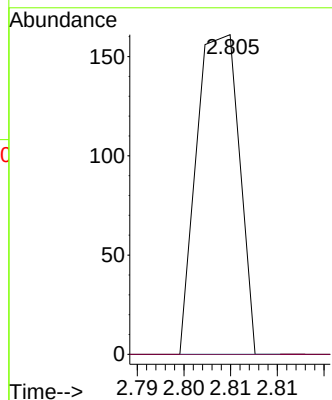
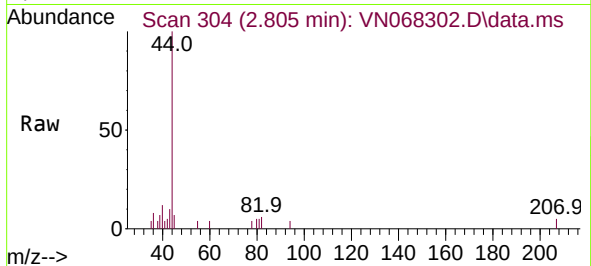




#5
Bromomethane
Concen: Below Cal
RT: 2.805 min Scan# 304
Delta R.T. -0.032 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

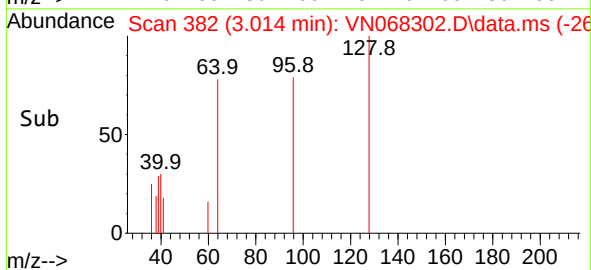
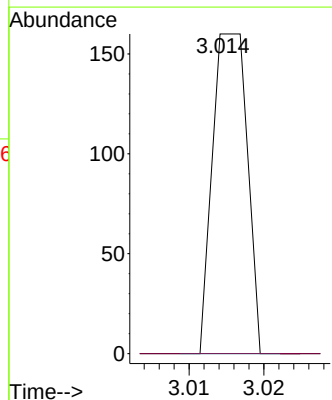
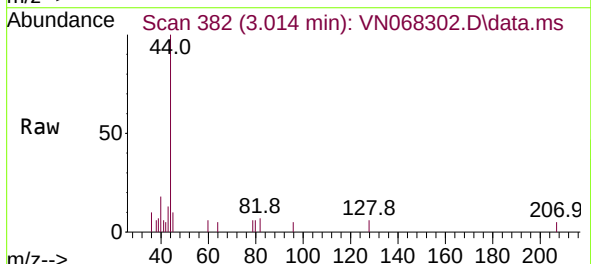
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-GW-525-527

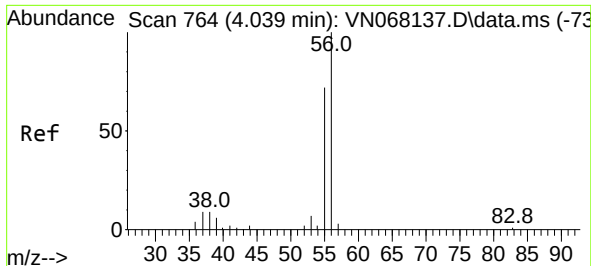
Tgt Ion: 94 Resp: 51
Ion Ratio Lower Upper
94 100
96 0.0 73.7 110.5#



#6
Chloroethane
Concen: Below Cal
RT: 3.014 min Scan# 382
Delta R.T. 0.008 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

Tgt Ion: 64 Resp: 51
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

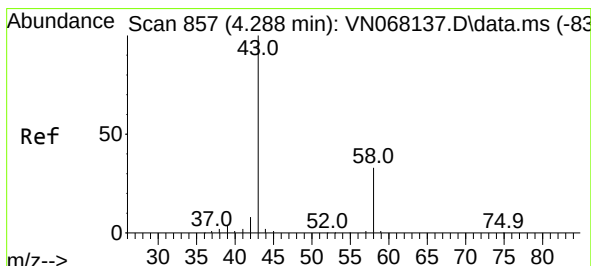
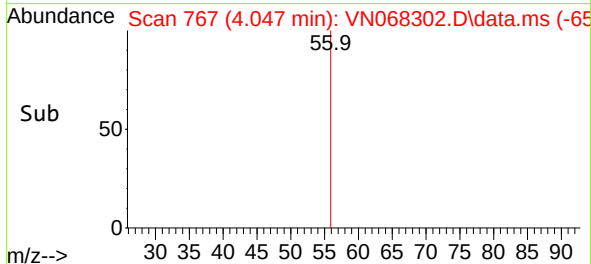
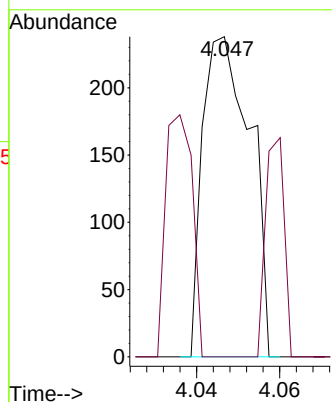
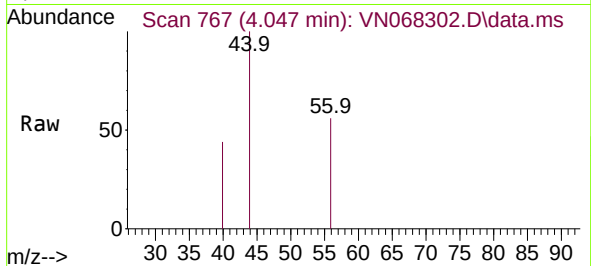




#13
Acrolein
Concen: Below Cal
RT: 4.047 min Scan# 767
Delta R.T. 0.008 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

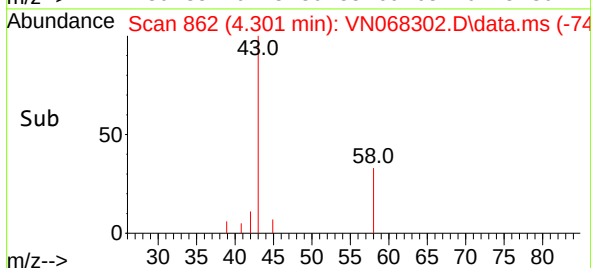
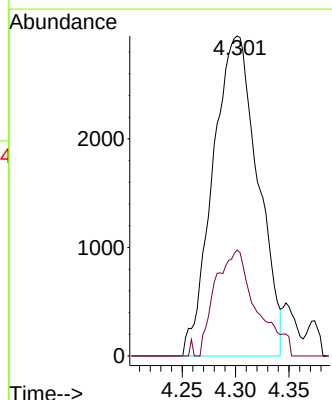
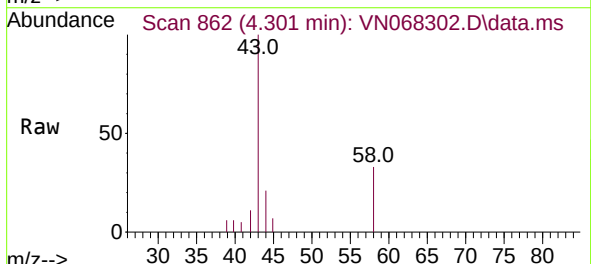
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-GW-525-527

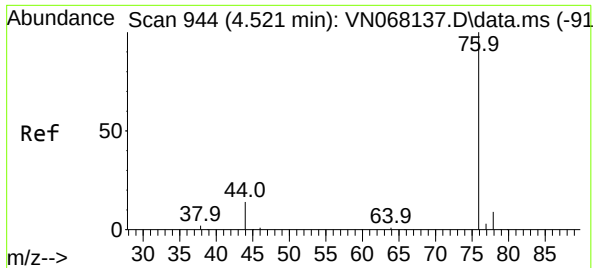
Tgt Ion: 56 Resp: 190
Ion Ratio Lower Upper
56 100
55 42.6 57.4 86.0#



#16
Acetone
Concen: 6.051 ug/l
RT: 4.301 min Scan# 862
Delta R.T. 0.013 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

Tgt Ion: 43 Resp: 8652
Ion Ratio Lower Upper
43 100
58 33.1 21.2 31.8#

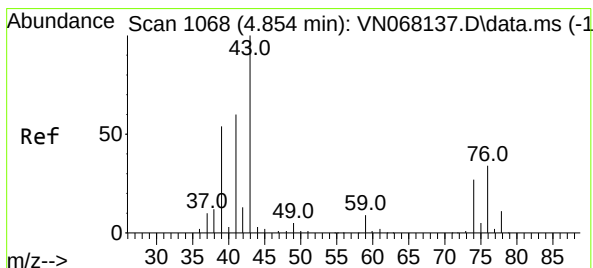
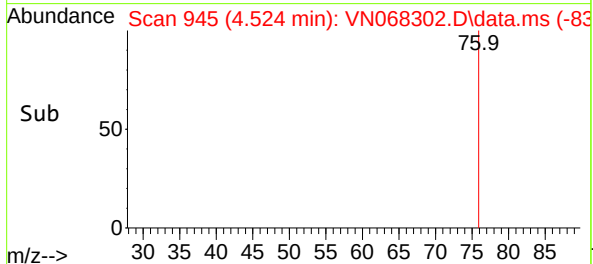
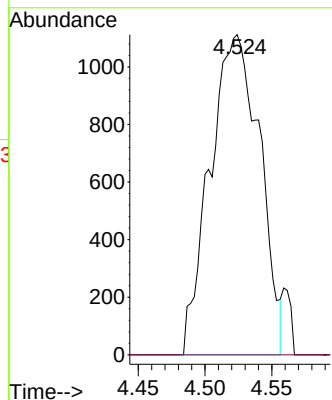
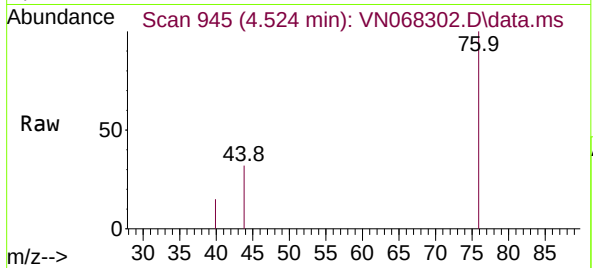




#17
Carbon Disulfide
Concen: 0.300 ug/l
RT: 4.524 min Scan# 945
Delta R.T. 0.003 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

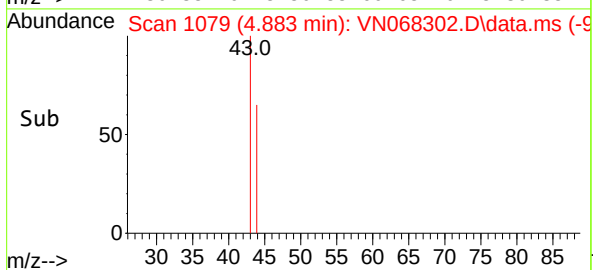
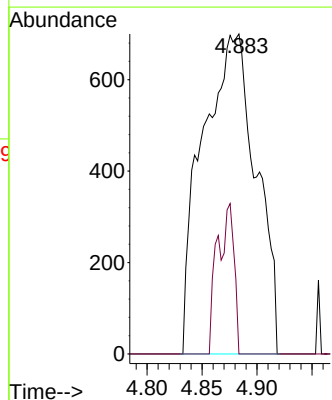
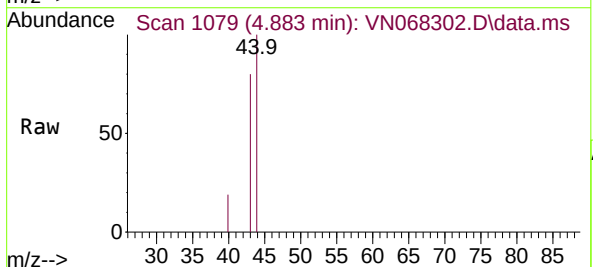
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-GW-525-527

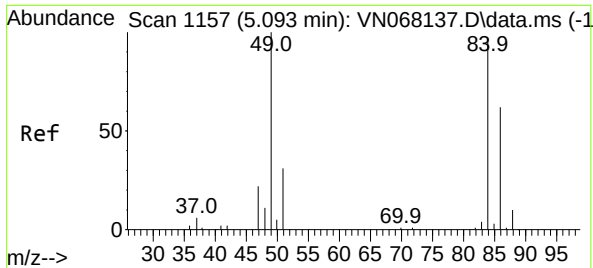
Tgt Ion: 76 Resp: 2883
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.883 min Scan# 1079
Delta R.T. 0.029 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

Tgt Ion: 43 Resp: 2368
Ion Ratio Lower Upper
43 100
74 8.7 17.4 26.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 5.082 min Scan# 1153

Delta R.T. -0.011 min

Lab File: VN068302.D

Acq: 25 Aug 2021 16:01

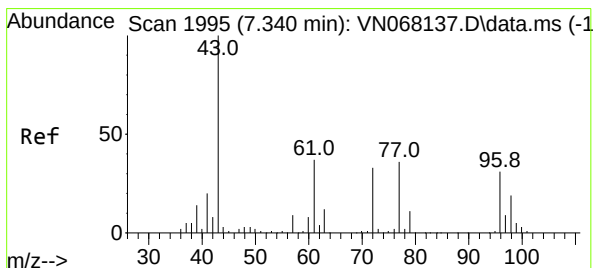
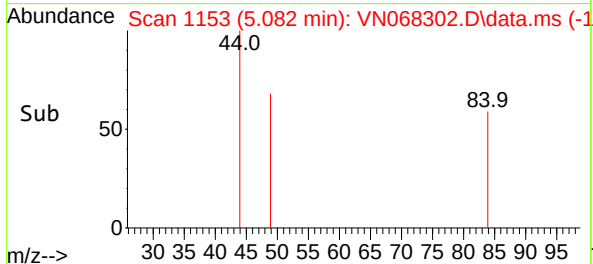
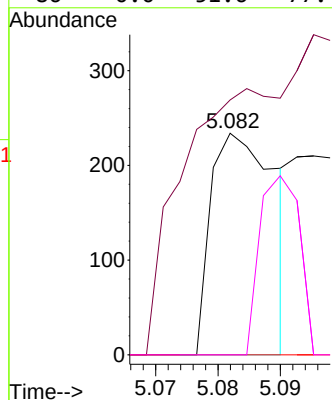
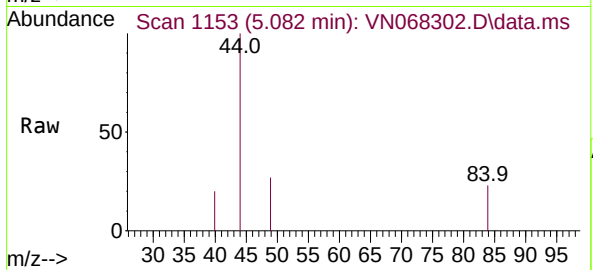
Instrument :

MSVOA_N

ClientSampleId :

BP-TT-VPB-RW7-GW-525-527

Tgt Ion:	84	Resp:	168
Ion	Ratio	Lower	Upper
84	100		
49	36.8	110.9	166.3#
51	0.0	32.6	49.0#
86	0.0	51.6	77.4#



#25

2-Butanone

Concen: 0.459 ug/l

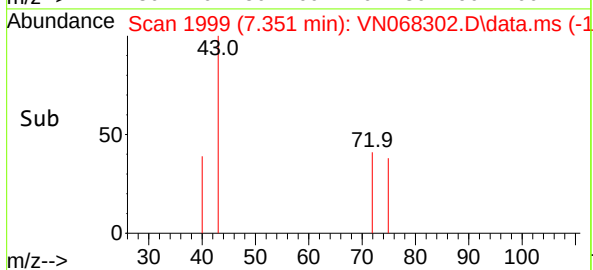
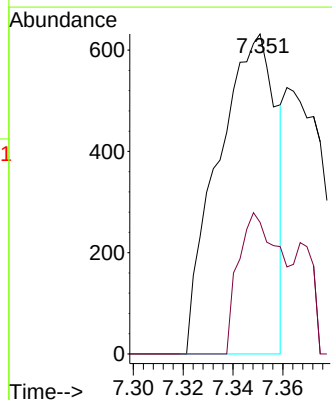
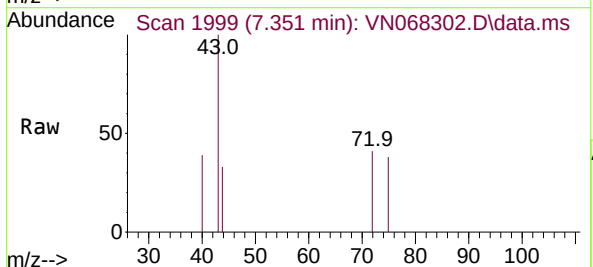
RT: 7.351 min Scan# 1999

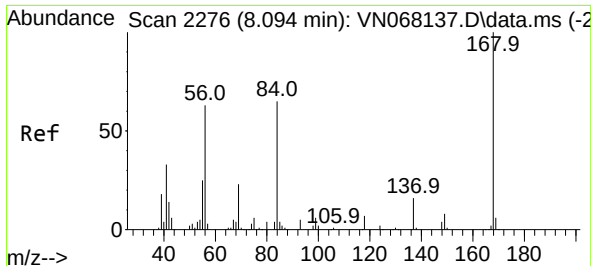
Delta R.T. 0.011 min

Lab File: VN068302.D

Acq: 25 Aug 2021 16:01

Tgt Ion:	43	Resp:	1023
Ion	Ratio	Lower	Upper
43	100		
72	41.1	19.7	29.5#

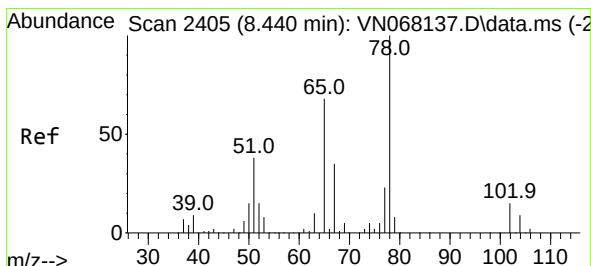
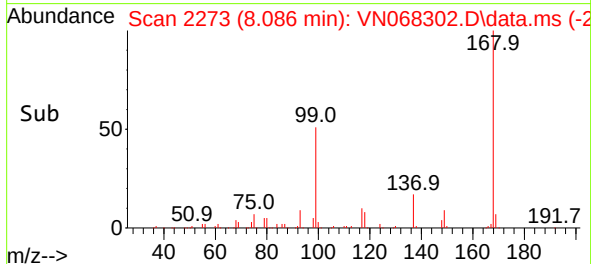
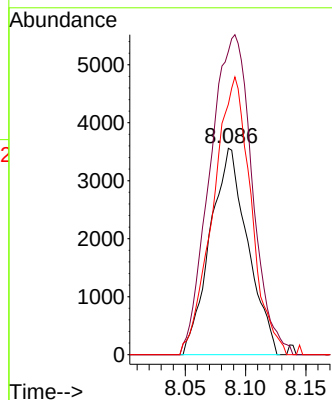
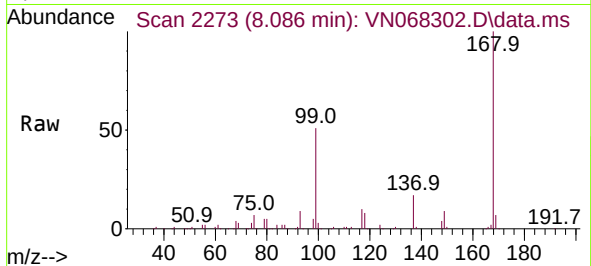




#31
Cyclohexane
Concen: 1.197 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.008 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

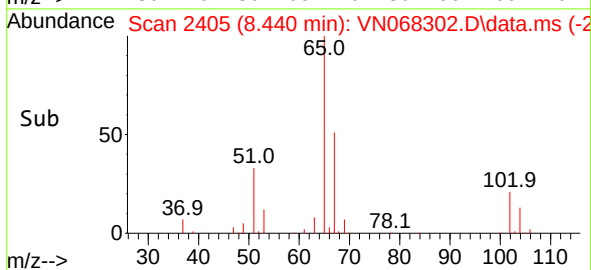
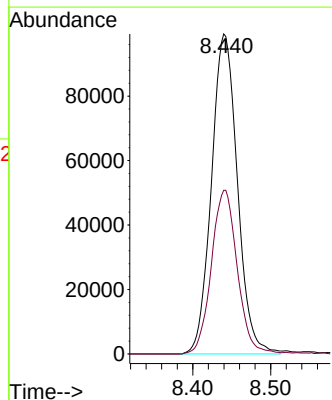
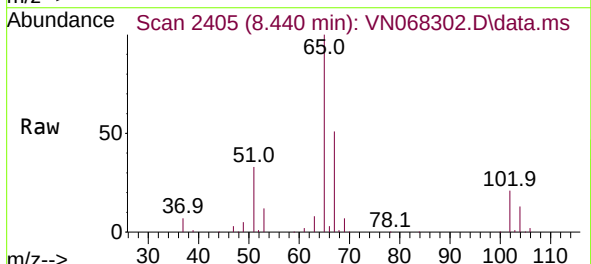
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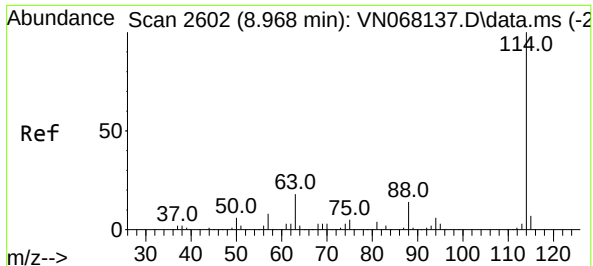
Tgt Ion:	56	Resp:	7724
Ion	Ratio	Lower	Upper
56	100		
69	146.9	27.3	40.9#
84	121.4	64.9	97.3#



#33
1,2-Dichloroethane-d4
Concen: 46.911 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

Tgt Ion:	65	Resp:	229742
Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	98.6

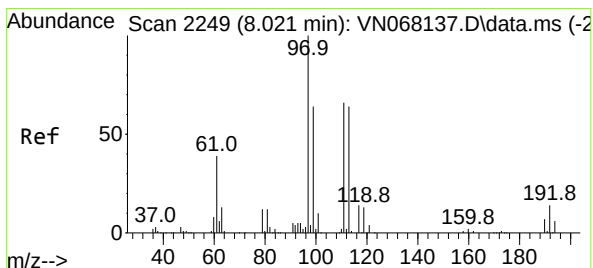
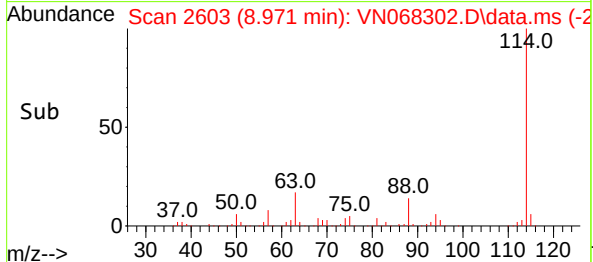
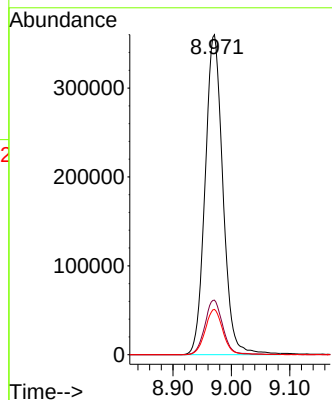
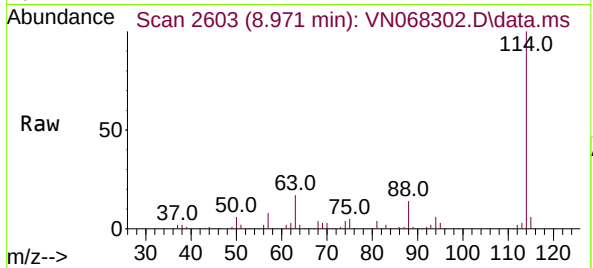




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. 0.003 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

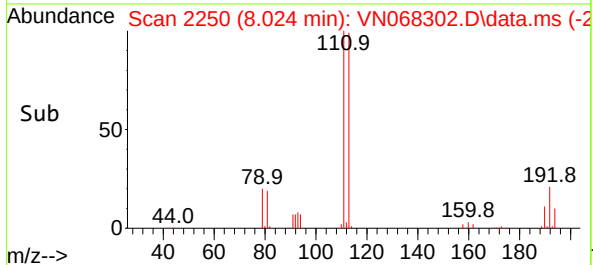
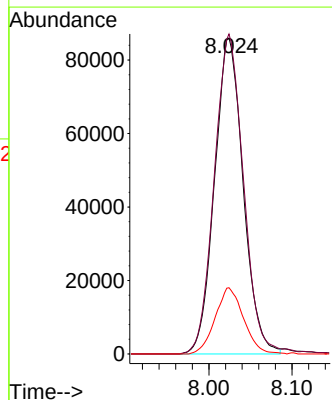
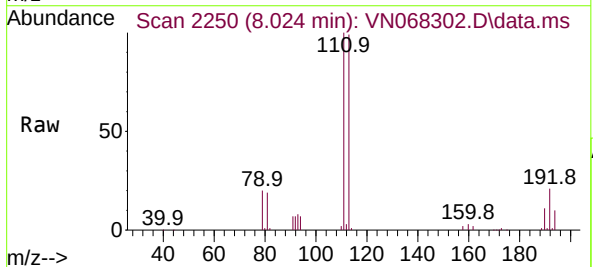
Instrument :
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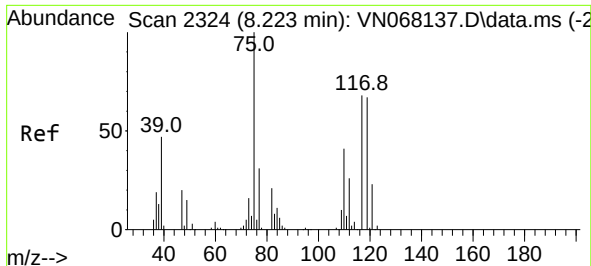
Tgt Ion:114 Resp: 762973
Ion Ratio Lower Upper
114 100
63 17.0 0.0 49.0
88 14.2 0.0 36.6



#35
Dibromofluoromethane
Concen: 42.949 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

Tgt Ion:113 Resp: 205730
Ion Ratio Lower Upper
113 100
111 103.5 83.8 125.8
192 20.8 13.4 20.0#

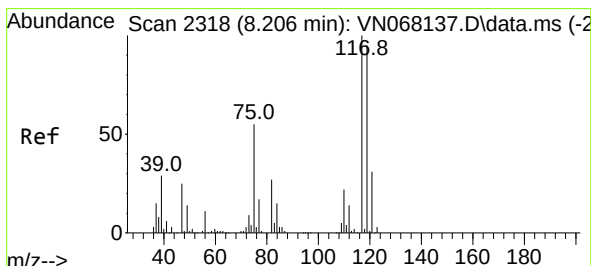
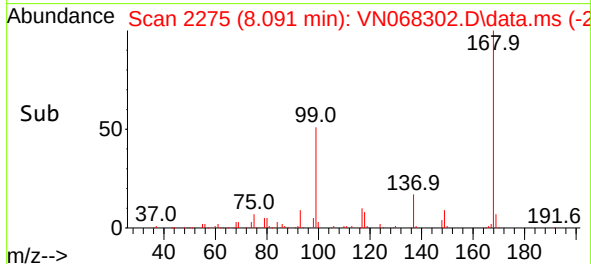
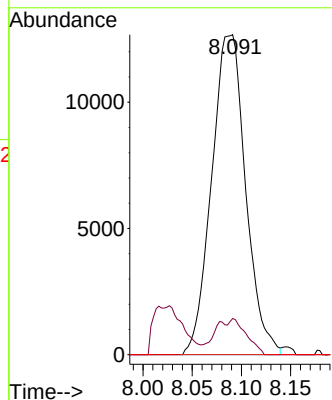
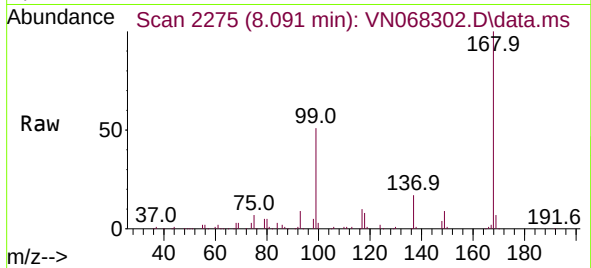




#36
1,1-Dichloropropene
Concen: 4.894 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.132 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

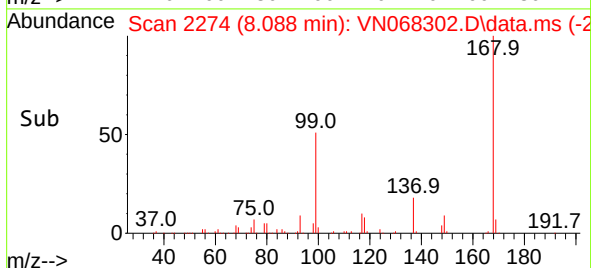
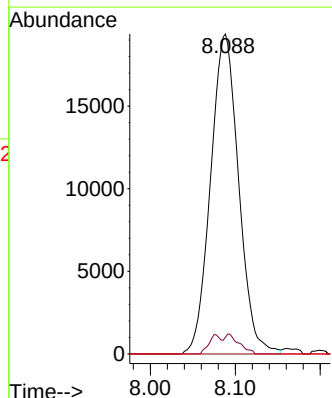
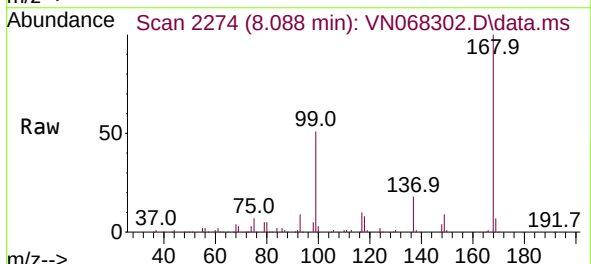
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-GW-525-527

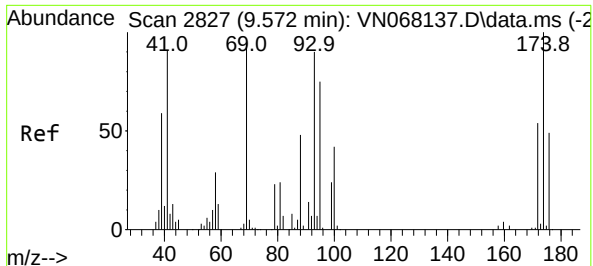
Tgt Ion: 75 Resp: 30524
Ion Ratio Lower Upper
75 100
110 2.6 15.7 47.0#
77 0.0 24.6 37.0#



#38
Carbon Tetrachloride
Concen: 6.182 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

Tgt Ion: 117 Resp: 44472
Ion Ratio Lower Upper
117 100
119 5.2 75.4 113.2#
121 0.0 23.5 35.3#

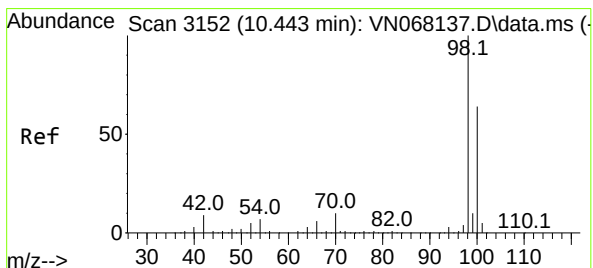
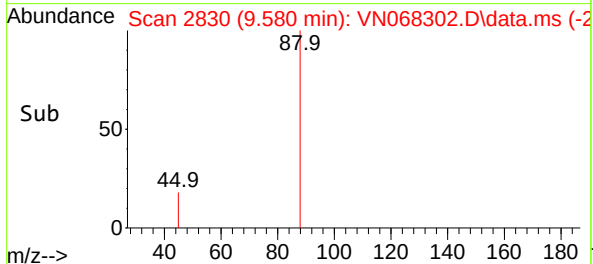
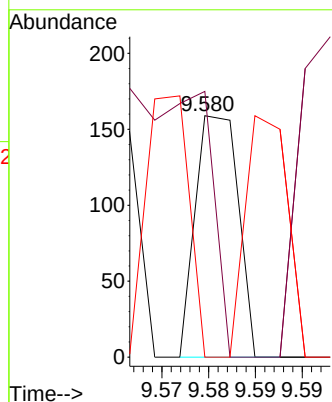
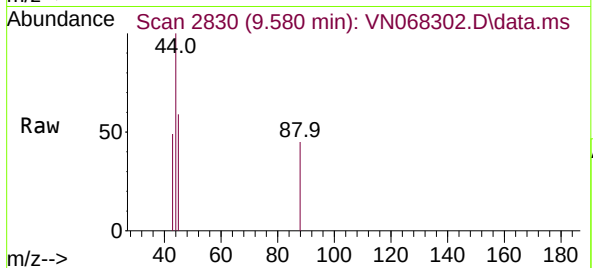




#49
1,4-Dioxane
Concen: 0.595 ug/l
RT: 9.580 min Scan# 2830
Delta R.T. 0.008 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

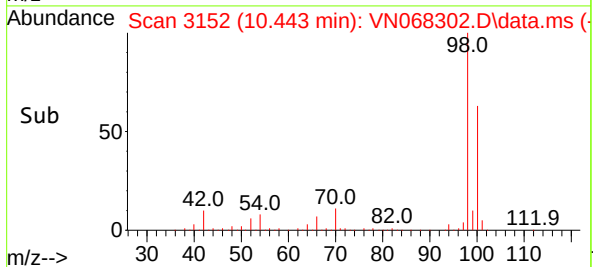
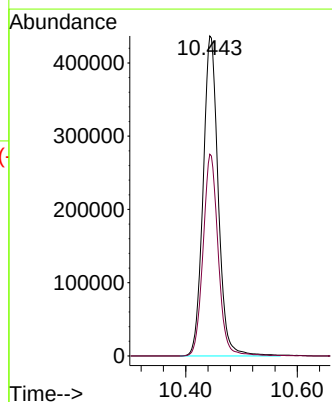
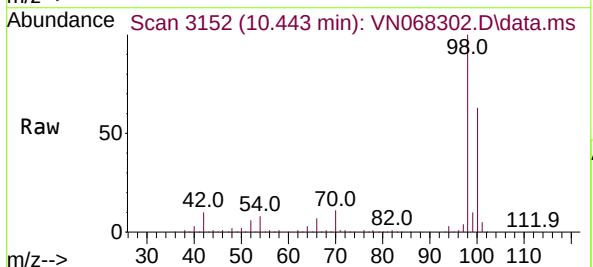
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-GW-525-527

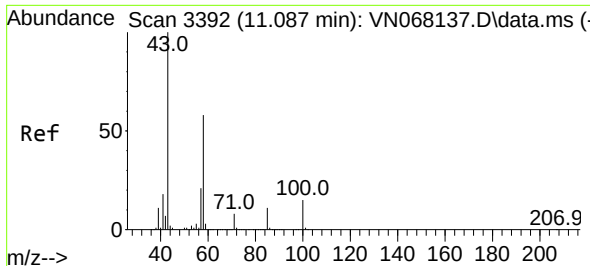
Tgt Ion: 88 Resp: 51
Ion Ratio Lower Upper
88 100
43 0.0 28.8 43.2#
58 107.8 60.4 90.6#



#50
Toluene-d8
Concen: 45.080 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

Tgt Ion: 98 Resp: 822810
Ion Ratio Lower Upper
98 100
100 62.8 51.7 77.5

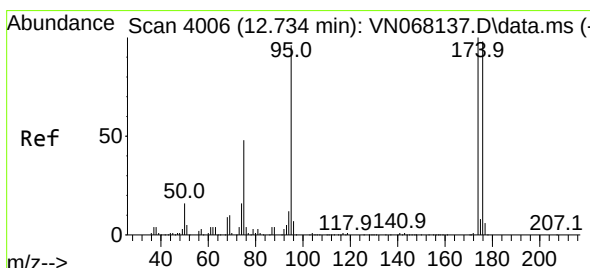
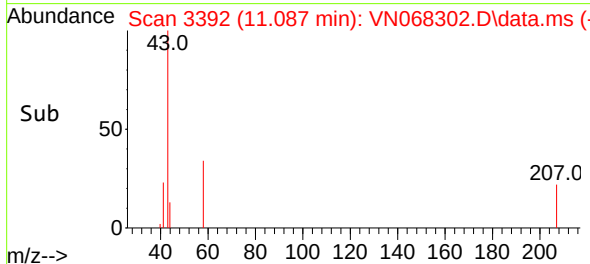
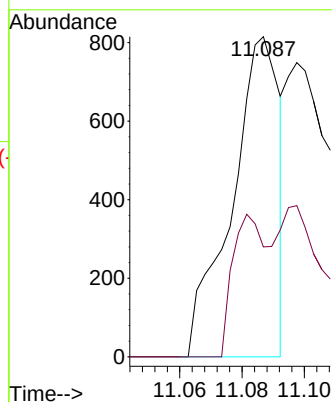
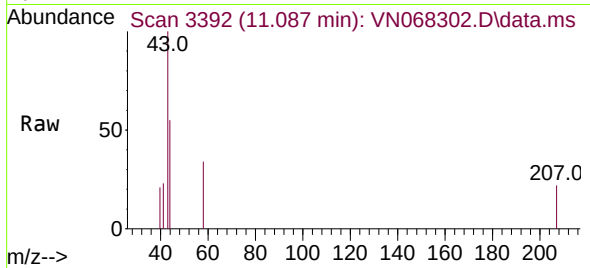




#59
2-Hexanone
Concen: 0.237 ug/l
RT: 11.087 min Scan# 3392
Delta R.T. -0.000 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

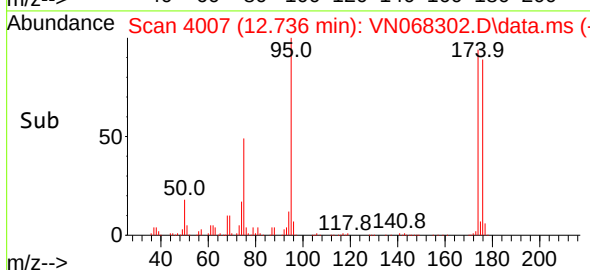
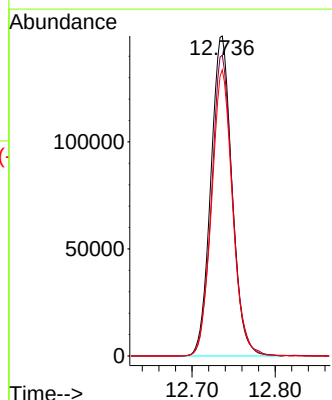
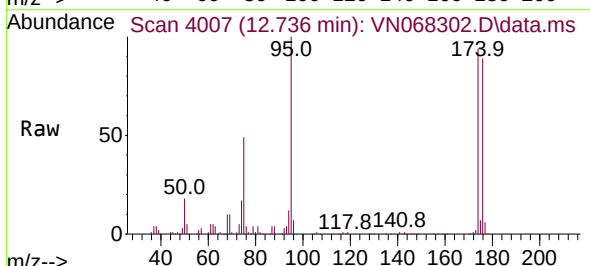
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-GW-525-527

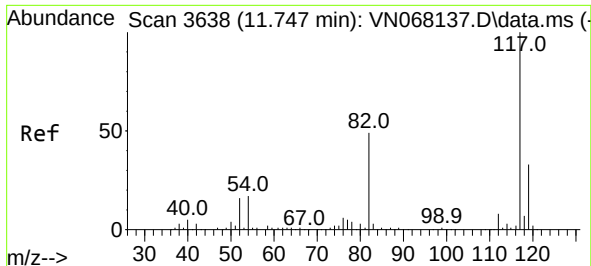
Tgt Ion: 43 Resp: 862
Ion Ratio Lower Upper
43 100
58 28.3 24.7 74.1



#62
4-Bromofluorobenzene
Concen: 43.527 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.002 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

Tgt Ion: 95 Resp: 264475
Ion Ratio Lower Upper
95 100
174 93.5 0.0 122.0
176 88.4 0.0 117.6

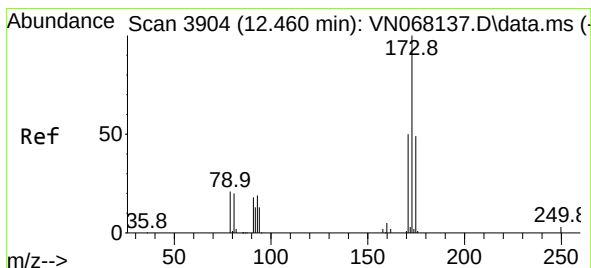
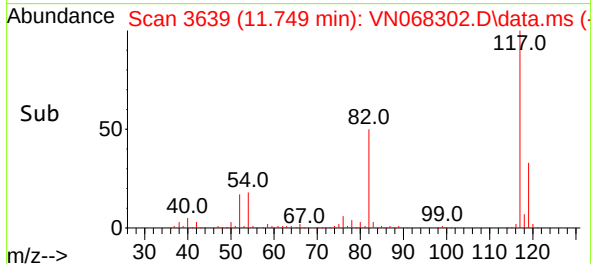
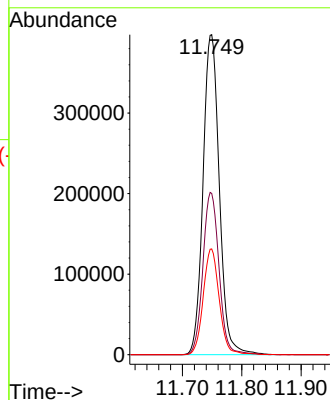
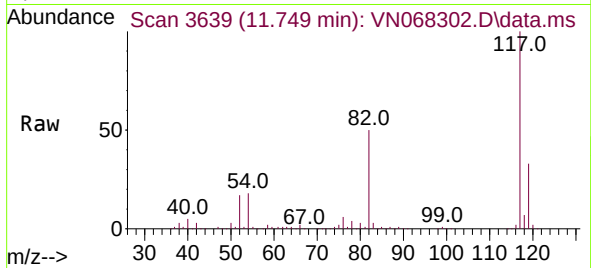




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

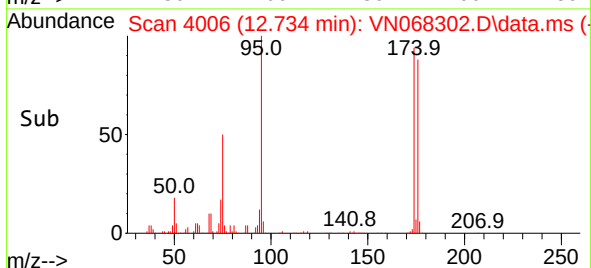
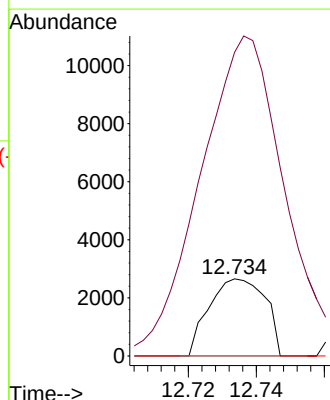
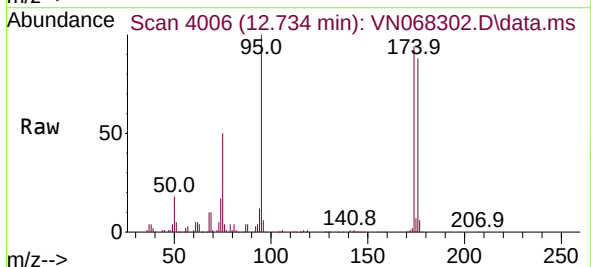
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-GW-525-527

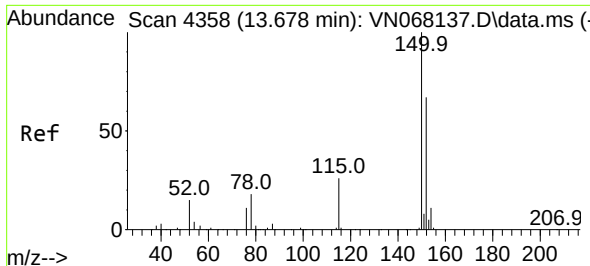
Tgt Ion:117 Resp: 758216
Ion Ratio Lower Upper
117 100
82 50.4 53.1 79.7#
119 33.1 25.5 38.3



#71
Bromoform
Concen: 0.649 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.274 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

Tgt Ion:173 Resp: 3047
Ion Ratio Lower Upper
173 100
175 560.9 23.9 71.8#
254 0.0 0.0 0.0

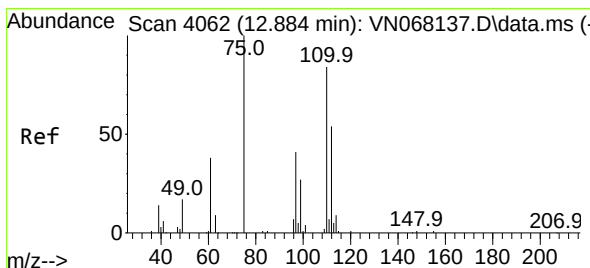
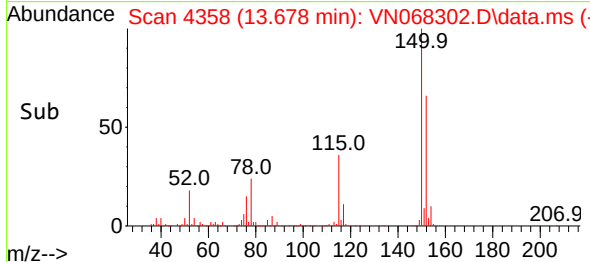
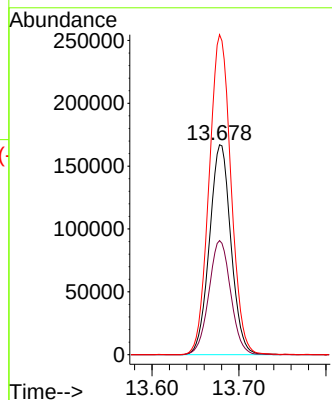
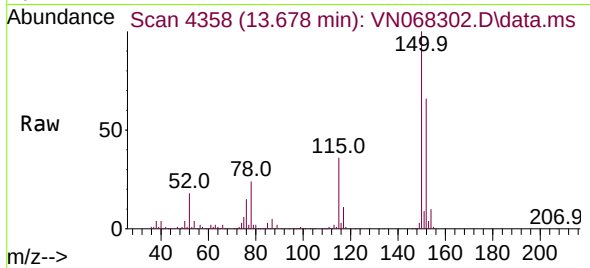




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. -0.000 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

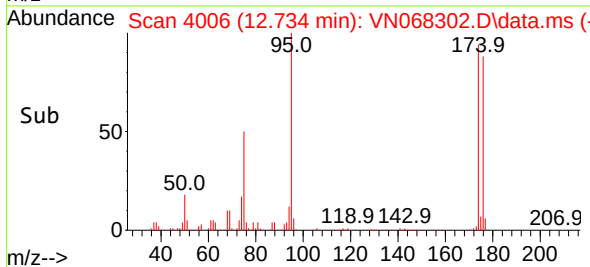
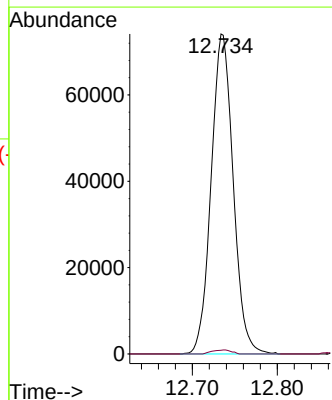
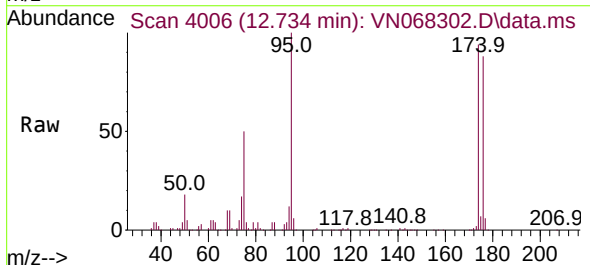
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-GW-525-527

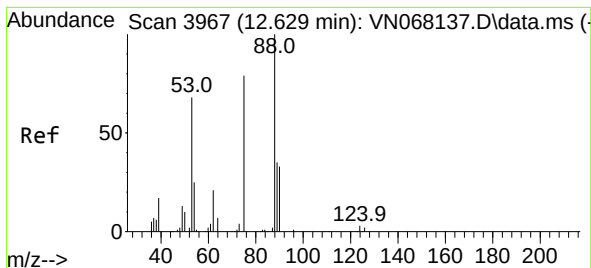
Tgt Ion:152 Resp: 286962
Ion Ratio Lower Upper
152 100
115 55.2 36.1 108.5
150 155.2 0.0 351.8



#76
1,2,3-Trichloropropane
Concen: 27.986 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.150 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

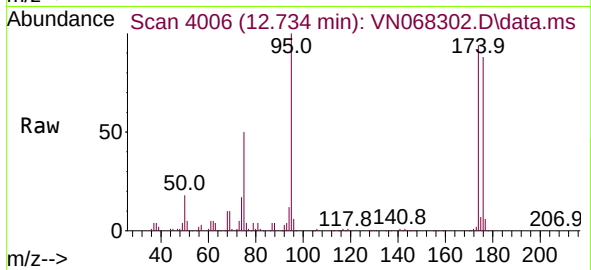
Tgt Ion: 75 Resp: 133482
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



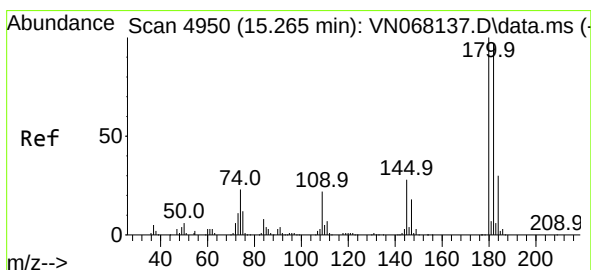
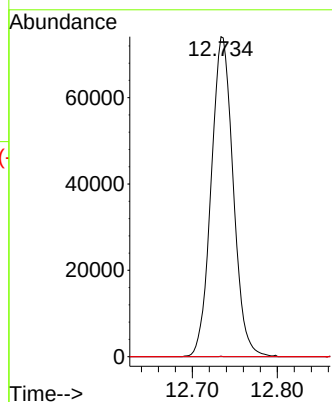
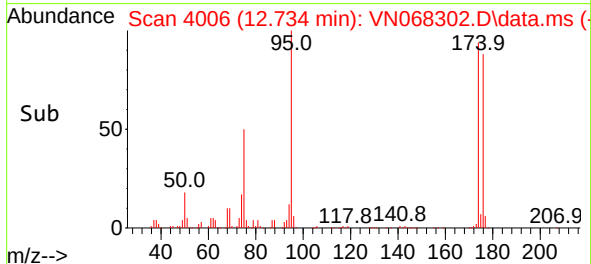


#81
trans-1,4-Dichloro-2-butene
Concen: 91.687 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

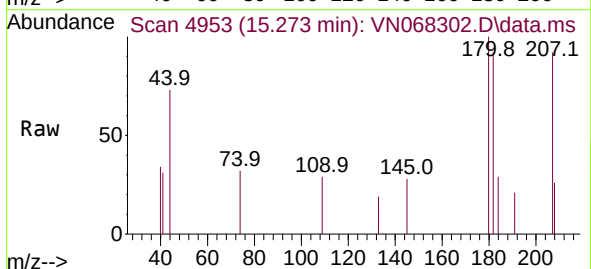
Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-GW-525-527



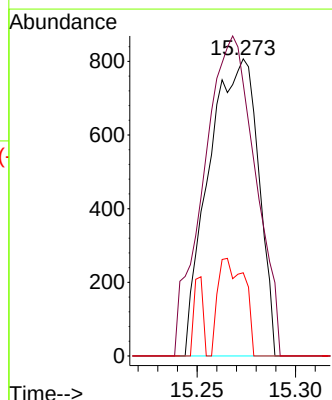
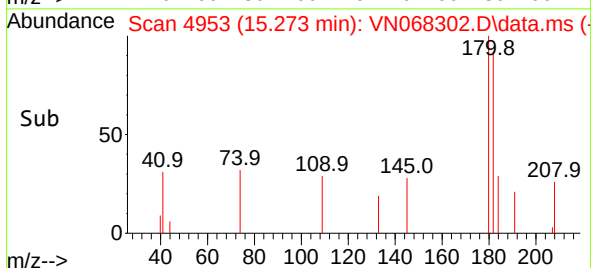
Tgt Ion: 75 Resp: 133482
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

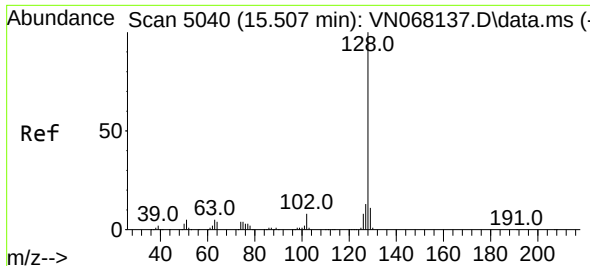


#93
1,2,4-Trichlorobenzene
Concen: 2.964 ug/l
RT: 15.273 min Scan# 4953
Delta R.T. 0.008 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01



Tgt Ion: 180 Resp: 1412
Ion Ratio Lower Upper
180 100
182 112.3 47.5 142.5
145 17.6 17.2 51.6

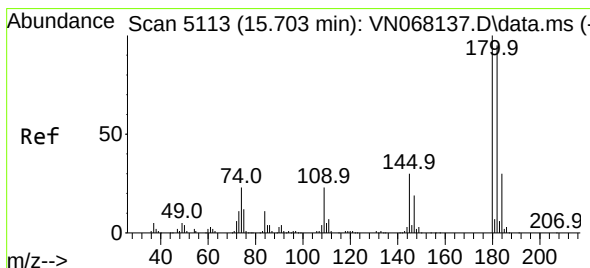
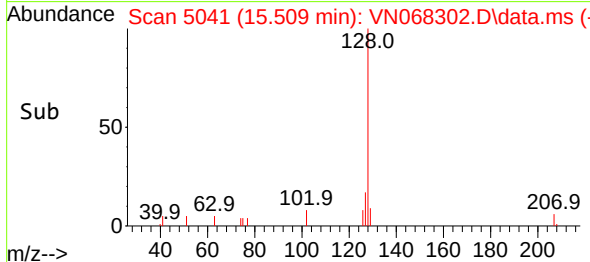
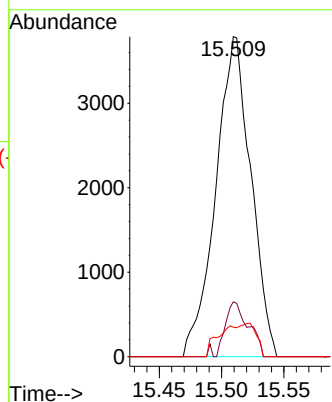
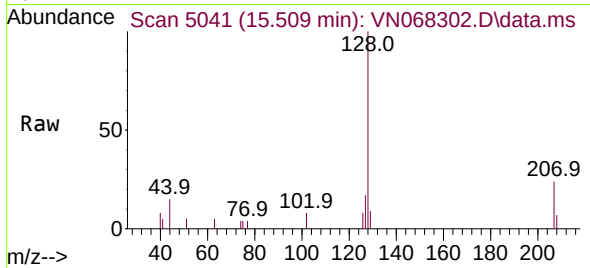




#95
Naphthalene
Concen: 3.959 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

Instrument :
MSVOA_N
ClientSampleId :
BP-TT-VPB-RW7-GW-525-527

Tgt Ion:128	Resp:	7416
Ion Ratio	Lower	Upper
128	100	
127	11.2	10.6 15.8
129	5.6	8.6 12.8#



#96
1,2,3-Trichlorobenzene
Concen: 3.212 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.005 min
Lab File: VN068302.D
Acq: 25 Aug 2021 16:01

Tgt Ion:180	Resp:	1834
Ion Ratio	Lower	Upper
180	100	
182	46.7	47.8 143.3#
145	23.1	18.2 54.6

