

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081721\
 Data File : VN068149.D
 Acq On : 17 Aug 2021 17:42
 Operator : JC/MD
 Sample : M3361-08 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 41908

Quant Time: Aug 18 07:20:31 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)

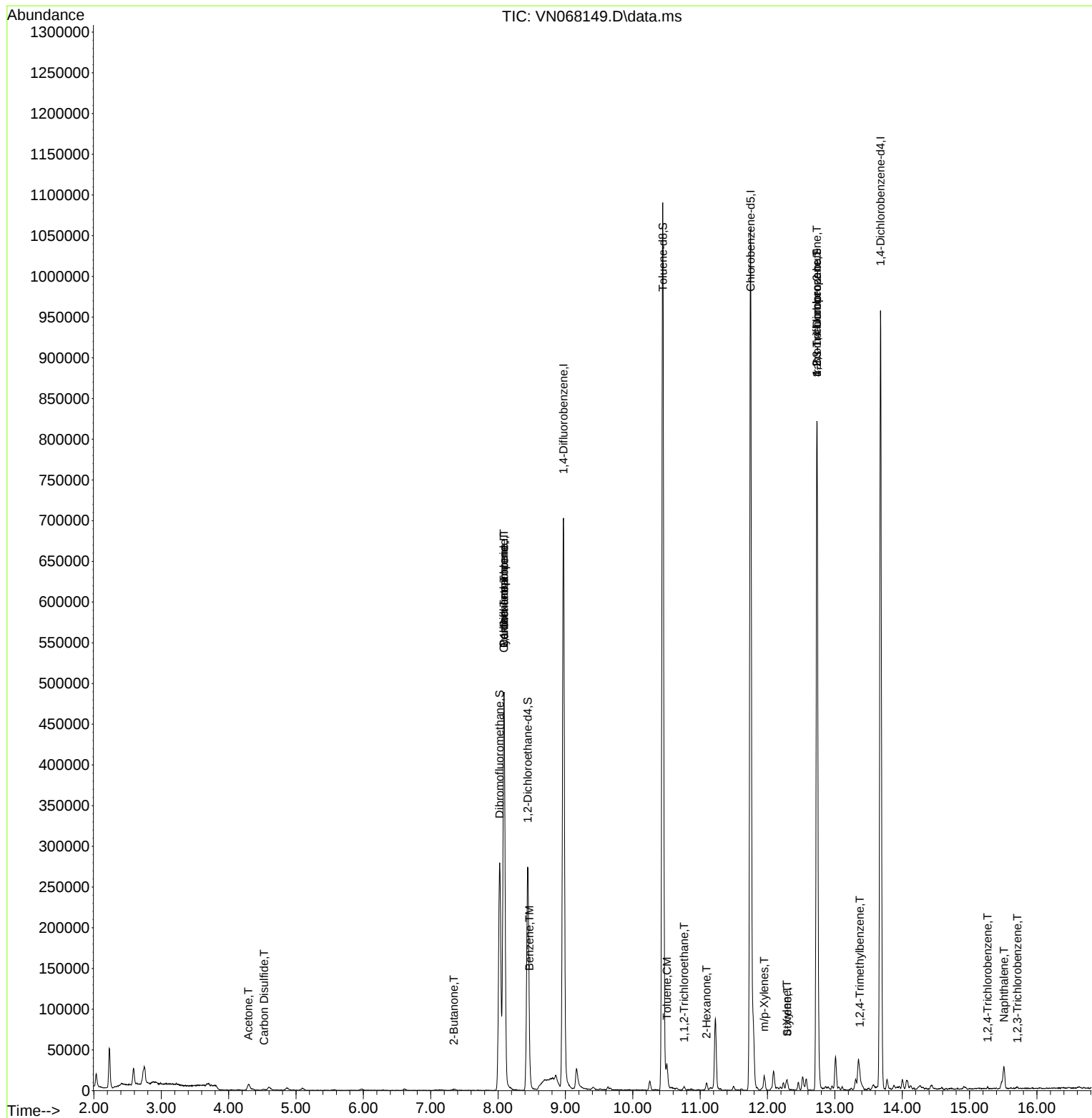
Internal Standards						
1) Pentafluorobenzene	8.088	168	404633	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.971	114	679363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	683156	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	281813	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	227716	52.707	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 105.420%	
35) Dibromofluoromethane	8.024	113	206673	48.455	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 96.920%	
50) Toluene-d8	10.446	98	812655	50.003	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 100.000%	
62) 4-Bromofluorobenzene	12.733	95	285586	52.786	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 105.580%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.877	94	1798	Below Cal		94
6) Chloroethane	2.915	64	24	Below Cal	#	44
13) Acrolein	4.030	56	115	Below Cal	#	1
16) Acetone	4.293	43	13518	10.717	ug/l #	84
17) Carbon Disulfide	4.527	76	2056	0.242	ug/l #	74
18) Methyl Acetate	4.862	43	3010	Below Cal	#	88
20) Methylene Chloride	5.095	84	1090	Below Cal	#	68
25) 2-Butanone	7.343	43	636	0.324	ug/l #	51
31) Cyclohexane	8.085	56	7395	1.300	ug/l #	1
36) 1,1-Dichloropropene	8.088	75	26744	4.816	ug/l #	52
38) Carbon Tetrachloride	8.088	117	37685	5.883	ug/l #	17
40) Benzene	8.464	78	10598	0.625	ug/l	97
52) Toluene	10.507	92	10070	0.871	ug/l	98
55) 1,1,2-Trichloroethane	10.762	97	4135	0.895	ug/l #	16
59) 2-Hexanone	11.095	43	2556	0.791	ug/l	65
68) m/p-Xylenes	11.950	106	5914	0.641	ug/l	84
69) o-Xylene	12.285	106	2827	0.317	ug/l	83
70) Styrene	12.294	104	3430	0.240	ug/l #	88
76) 1,2,3-Trichloropropane	12.733	75	143203	30.573	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.733	75	143203	100.161	ug/l #	6
84) 1,2,4-Trimethylbenzene	13.372	105	4787	0.302	ug/l	94
93) 1,2,4-Trichlorobenzene	15.268	180	899	2.866	ug/l #	68
95) Naphthalene	15.509	128	27018	5.623	ug/l	100
96) 1,2,3-Trichlorobenzene	15.708	180	979	3.038	ug/l #	88

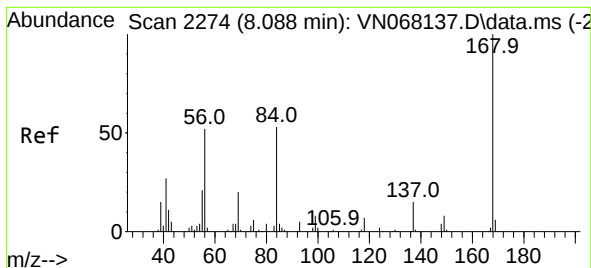
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081721\
Data File : VN068149.D
Acq On : 17 Aug 2021 17:42
Operator : JC/MD
Sample : M3361-08 20X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
41908

Quant Time: Aug 18 07:20:31 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.088 min Scan# 2274

Delta R.T. 0.000 min

Lab File: VN068149.D

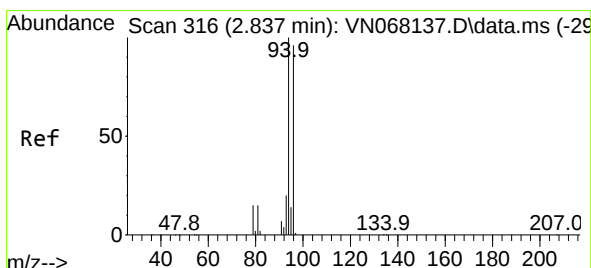
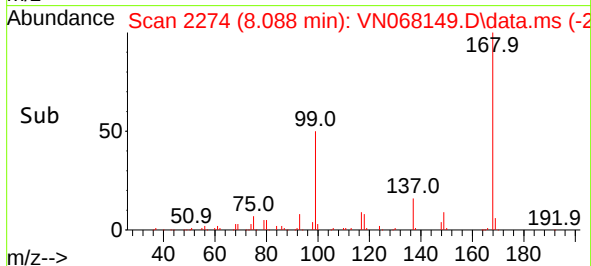
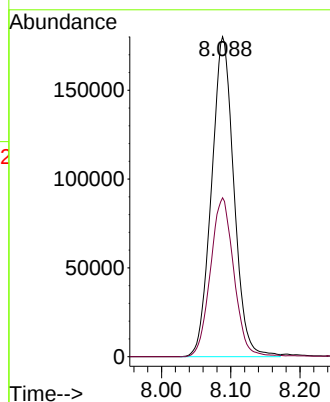
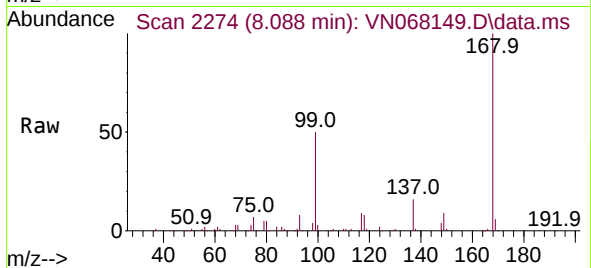
Acq: 17 Aug 2021 17:42

Tgt Ion:168 Resp: 404633

Ion Ratio Lower Upper

168 100

99 49.7 62.9 94.3#



#5

Bromomethane

Concen: Below Cal

RT: 2.877 min Scan# 331

Delta R.T. 0.040 min

Lab File: VN068149.D

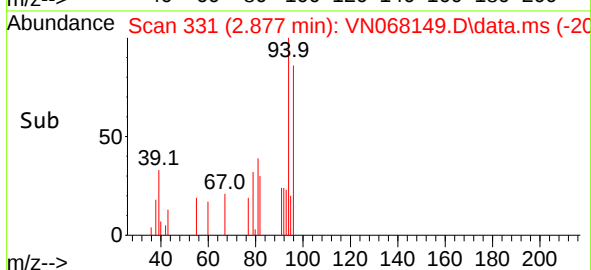
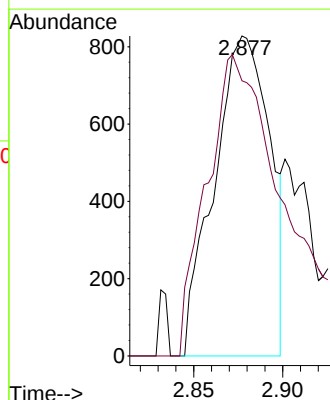
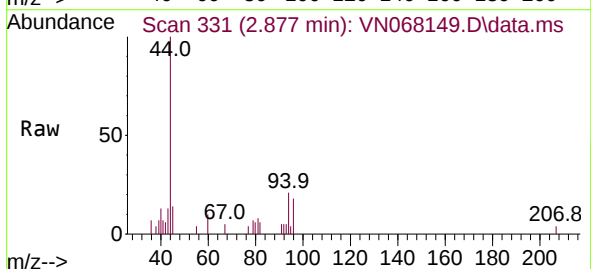
Acq: 17 Aug 2021 17:42

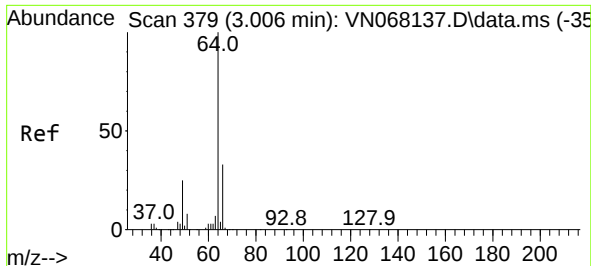
Tgt Ion: 94 Resp: 1798

Ion Ratio Lower Upper

94 100

96 86.0 73.7 110.5

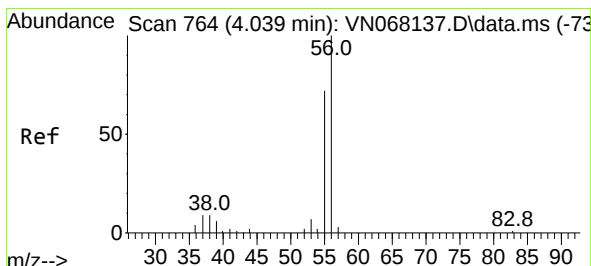
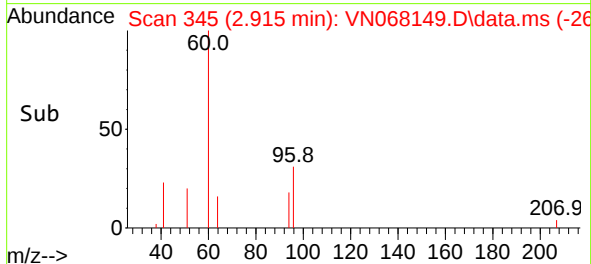
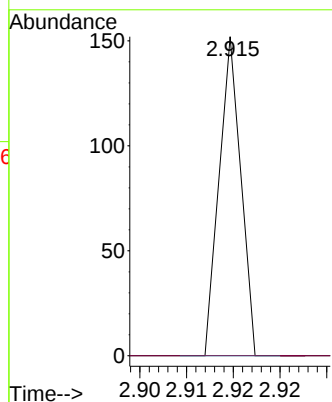
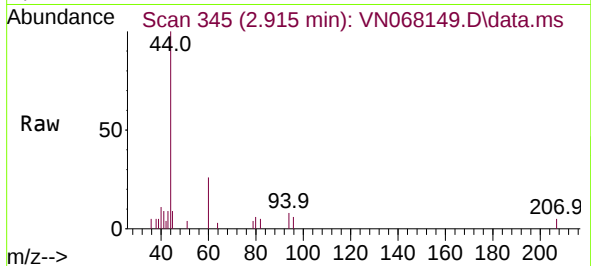




#6
Chloroethane
Concen: Below Cal
RT: 2.915 min Scan# 345
Delta R.T. -0.091 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

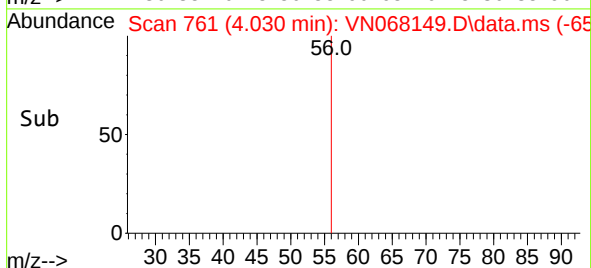
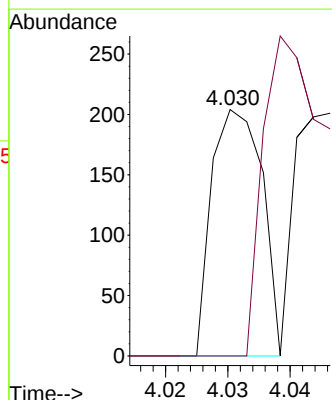
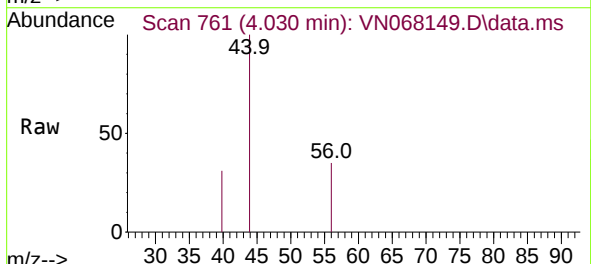
Instrument :
MSVOA_N
ClientSampled :
41908

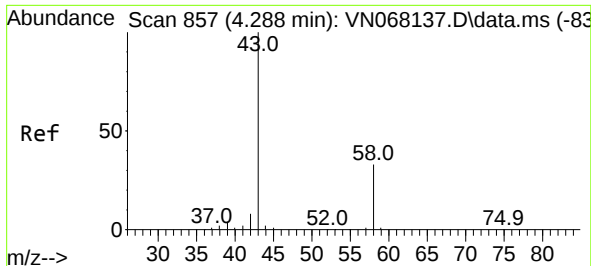
Tgt Ion: 64 Resp: 24
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#



#13
Acrolein
Concen: Below Cal
RT: 4.030 min Scan# 761
Delta R.T. -0.009 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

Tgt Ion: 56 Resp: 115
Ion Ratio Lower Upper
56 100
55 176.5 57.4 86.0#

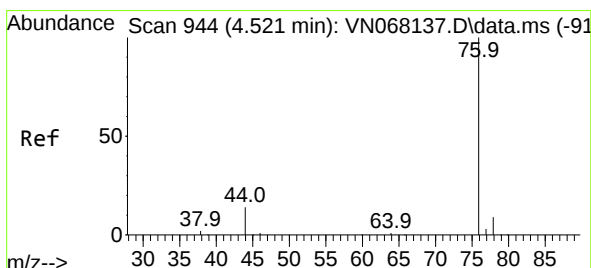
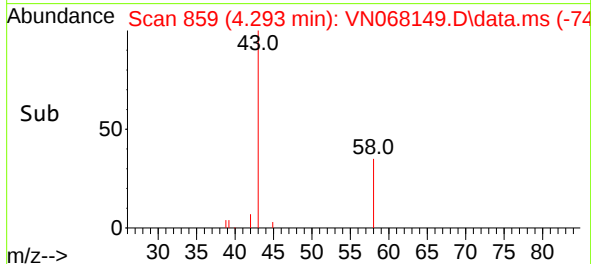
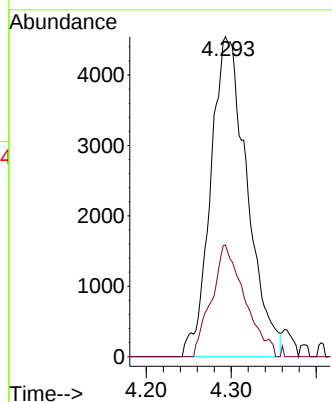
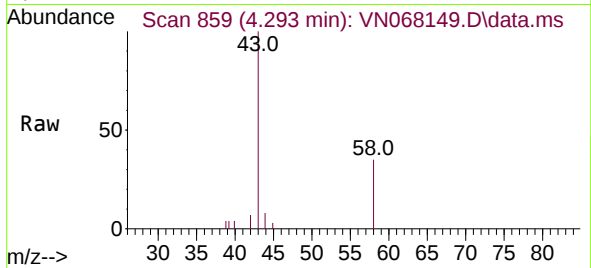




#16
Acetone
Concen: 10.717 ug/l
RT: 4.293 min Scan# 859
Delta R.T. 0.005 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

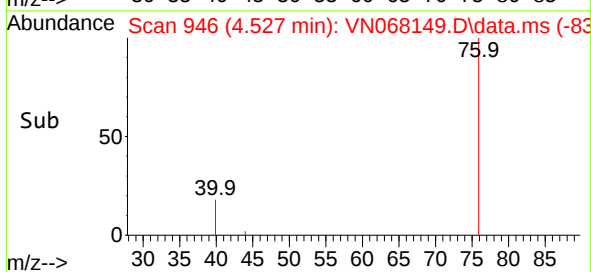
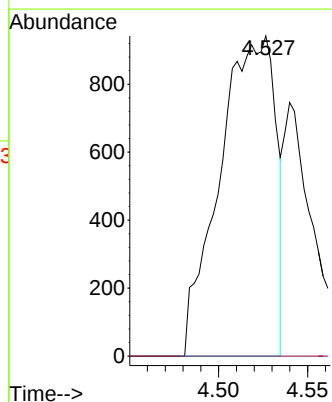
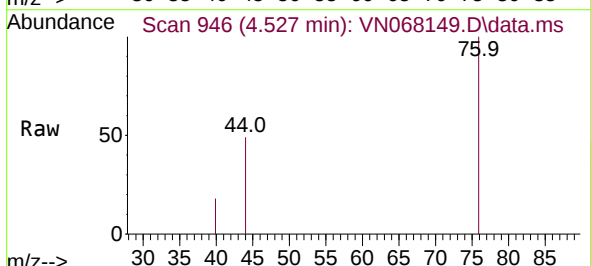
Instrument :
MSVOA_N
ClientSampleId :
41908

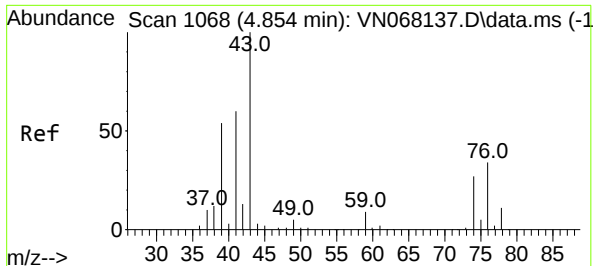
Tgt Ion: 43 Resp: 13518
Ion Ratio Lower Upper
43 100
58 34.9 21.2 31.8#



#17
Carbon Disulfide
Concen: 0.242 ug/l
RT: 4.527 min Scan# 946
Delta R.T. 0.006 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

Tgt Ion: 76 Resp: 2056
Ion Ratio Lower Upper
76 100
78 0.0 7.7 11.5#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.862 min Scan# 1071

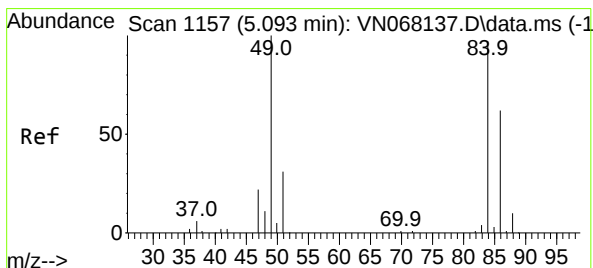
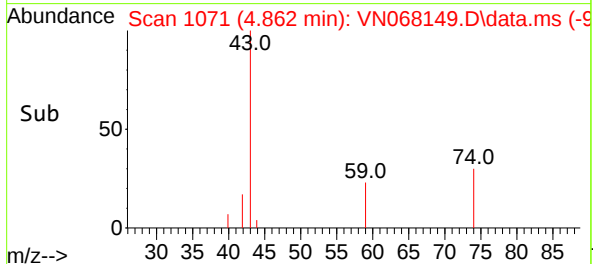
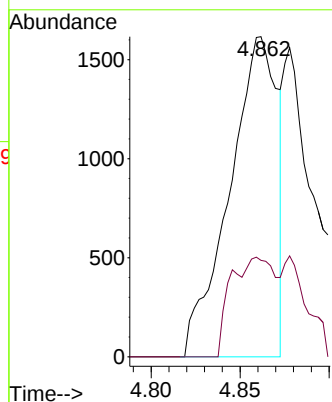
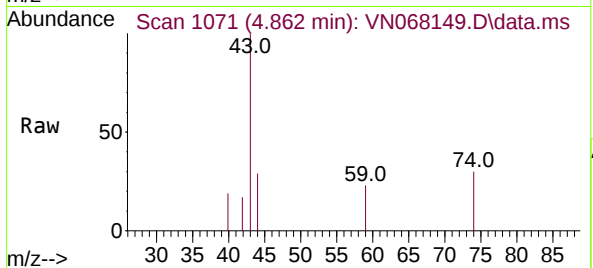
Delta R.T. 0.008 min

Lab File: VN068149.D

Acq: 17 Aug 2021 17:42

Instrument :
MSVOA_N
ClientSampled :
41908

Tgt Ion: 43 Resp: 3010
Ion Ratio Lower Upper
43 100
74 27.4 17.4 26.0#



#20

Methylene Chloride

Concen: Below Cal

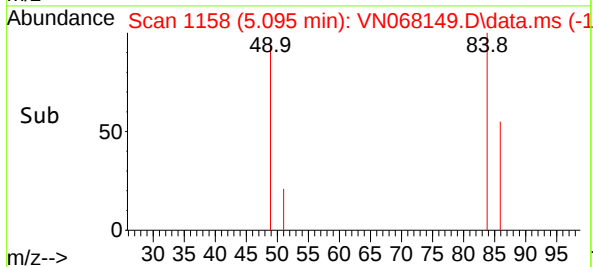
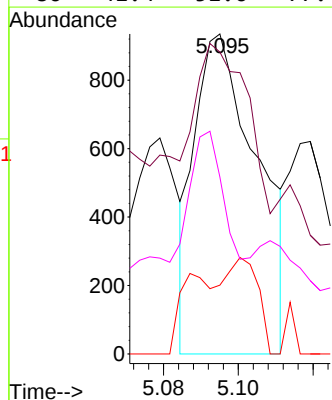
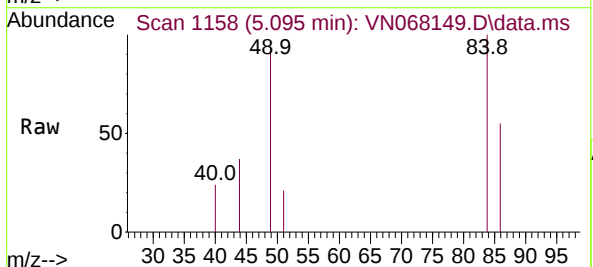
RT: 5.095 min Scan# 1158

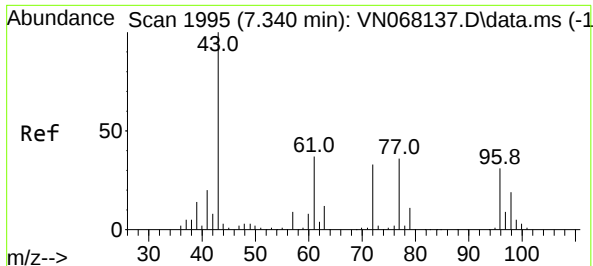
Delta R.T. 0.002 min

Lab File: VN068149.D

Acq: 17 Aug 2021 17:42

Tgt Ion: 84 Resp: 1090
Ion Ratio Lower Upper
84 100
49 87.8 110.9 166.3#
51 41.0 32.6 49.0
86 41.4 51.6 77.4#

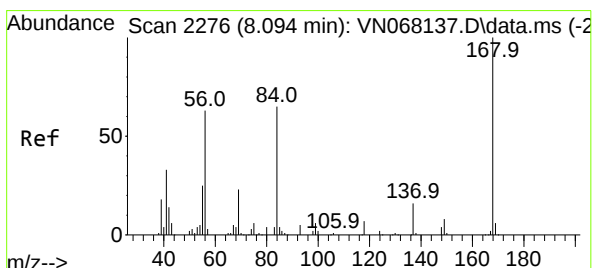
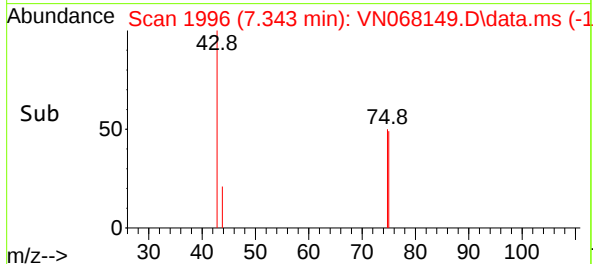
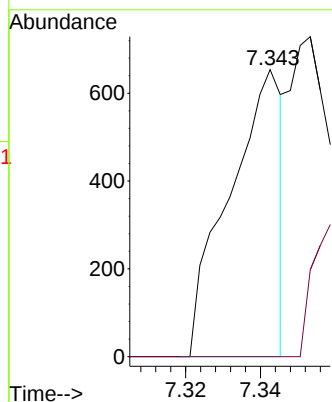
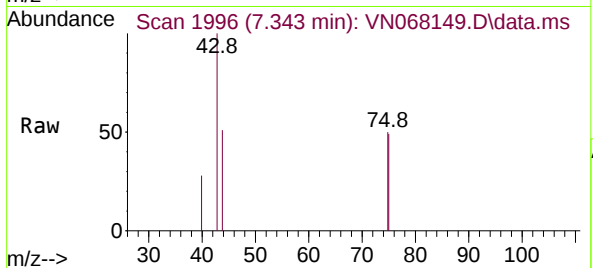




#25
2-Butanone
Concen: 0.324 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.003 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

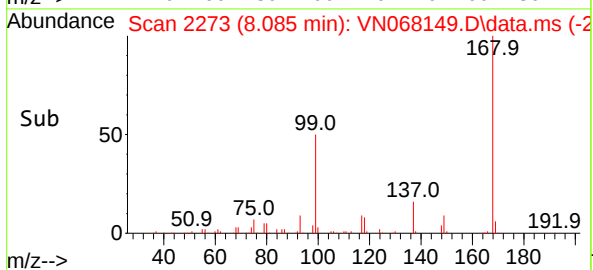
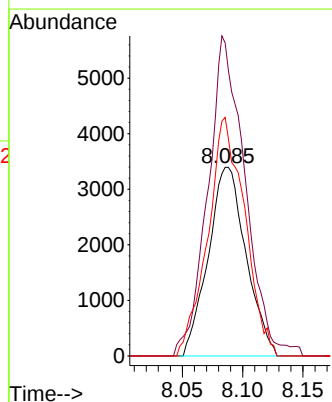
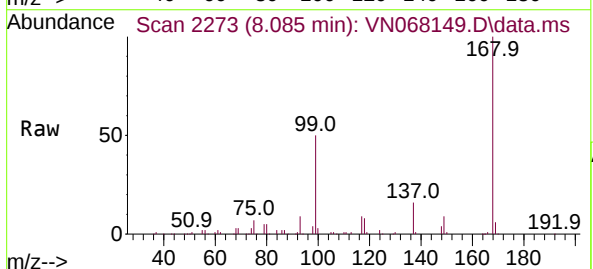
Instrument :
MSVOA_N
ClientSampled :
41908

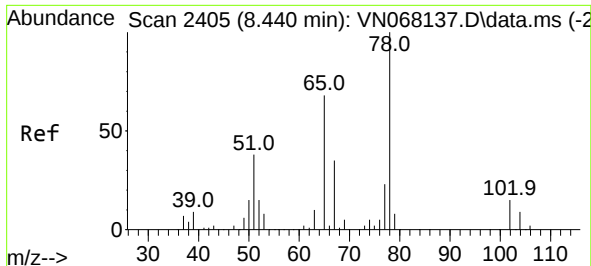
Tgt Ion: 43 Resp: 636
Ion Ratio Lower Upper
43 100
72 0.0 19.7 29.5#



#31
Cyclohexane
Concen: 1.300 ug/l
RT: 8.085 min Scan# 2273
Delta R.T. -0.009 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

Tgt Ion: 56 Resp: 7395
Ion Ratio Lower Upper
56 100
69 160.2 27.3 40.9#
84 126.5 64.9 97.3#

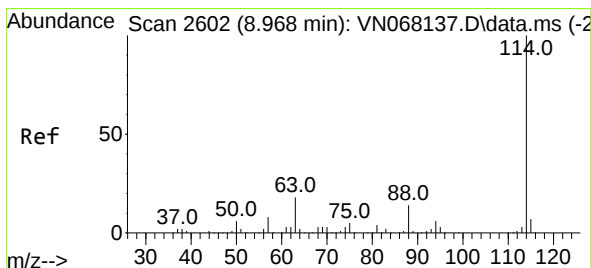
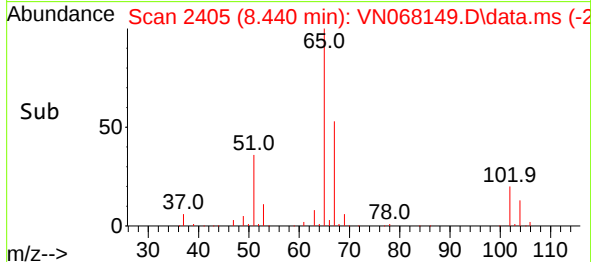
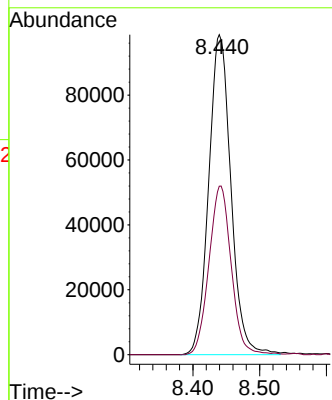
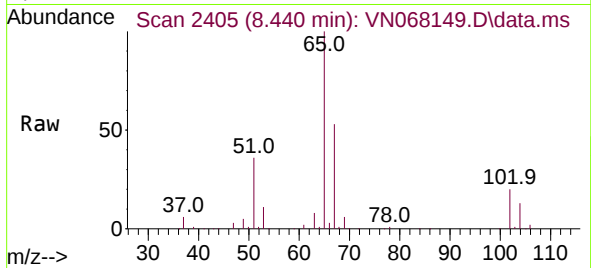




#33
 1,2-Dichloroethane-d4
 Concen: 52.707 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068149.D
 Acq: 17 Aug 2021 17:42

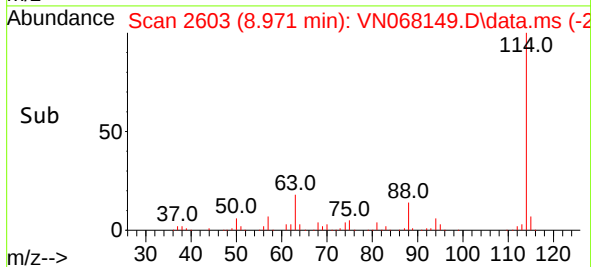
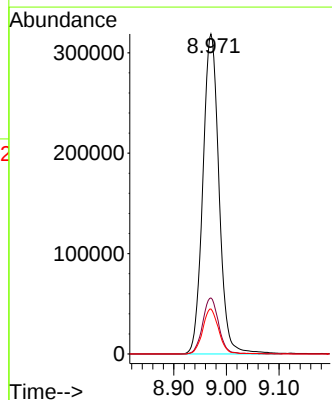
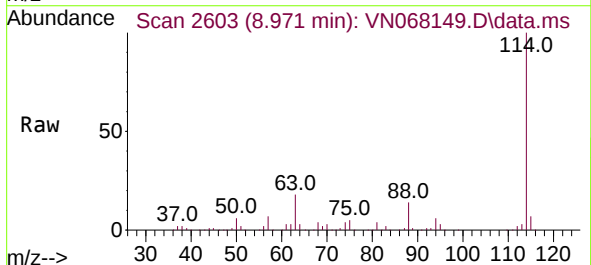
Instrument :
 MSVOA_N
 ClientSampled :
 41908

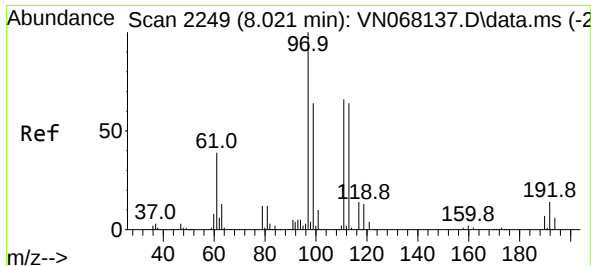
Tgt Ion: 65 Resp: 227716
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 98.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. 0.003 min
 Lab File: VN068149.D
 Acq: 17 Aug 2021 17:42

Tgt Ion: 114 Resp: 679363
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 49.0
 88 14.0 0.0 36.6

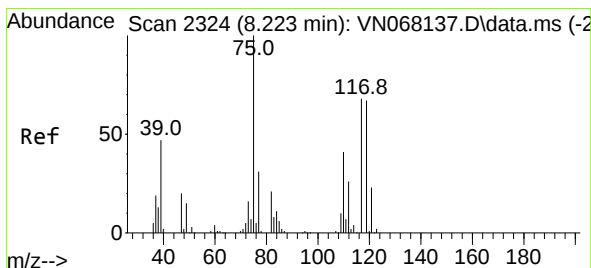
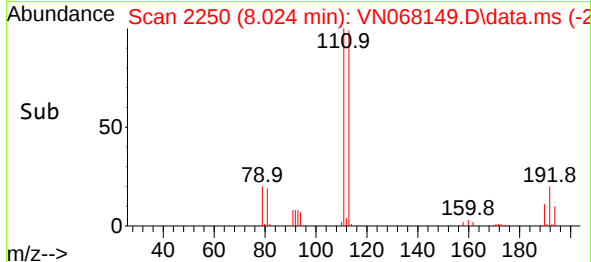
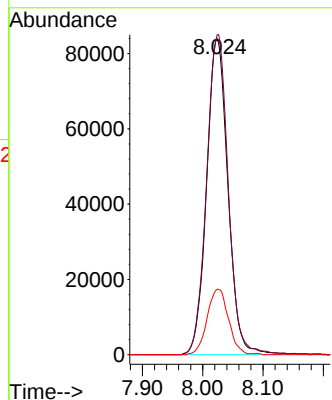
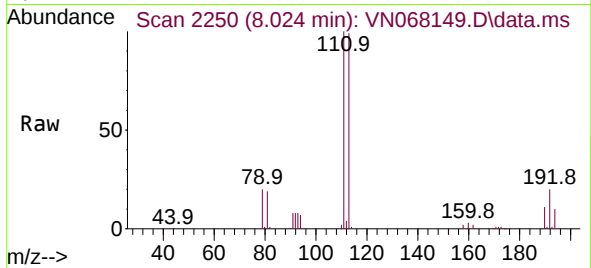




#35
Dibromofluoromethane
Concen: 48.455 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.003 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

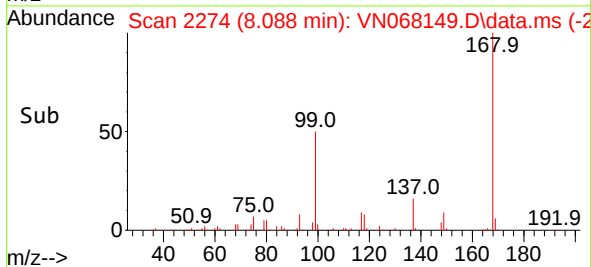
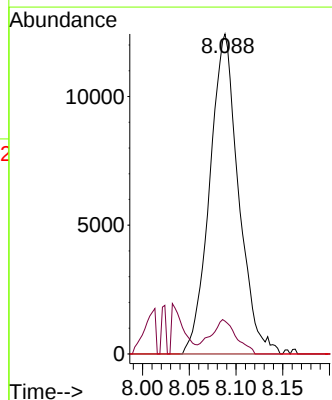
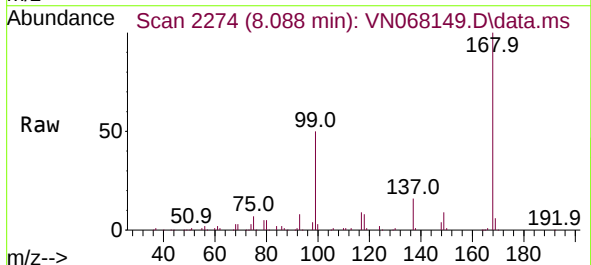
Instrument :
MSVOA_N
ClientSampled :
41908

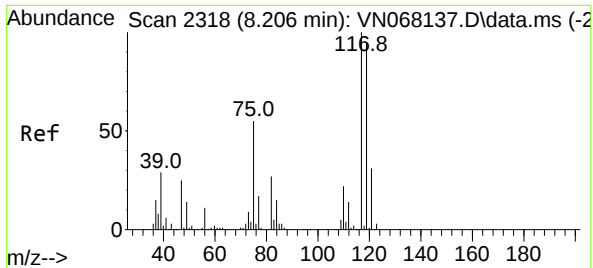
Tgt Ion:113 Resp: 206673
Ion Ratio Lower Upper
113 100
111 103.0 83.8 125.8
192 20.7 13.4 20.0#



#36
1,1-Dichloropropene
Concen: 4.816 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.135 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

Tgt Ion: 75 Resp: 26744
Ion Ratio Lower Upper
75 100
110 9.5 15.7 47.0#
77 0.0 24.6 37.0#

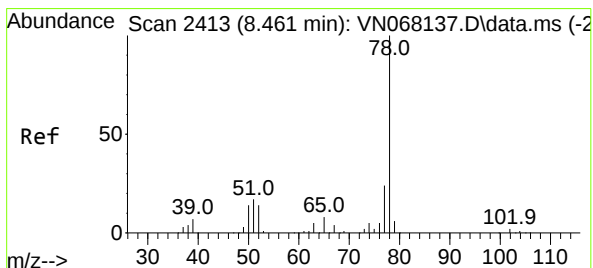
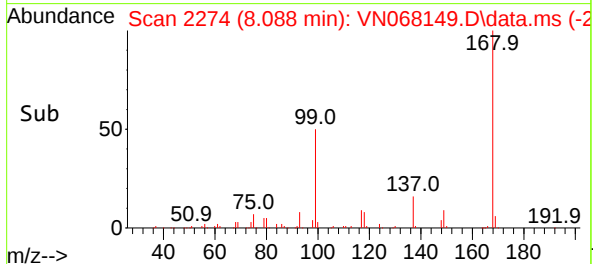
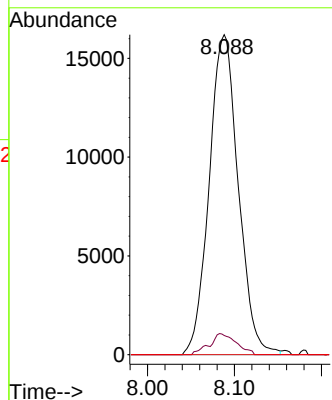
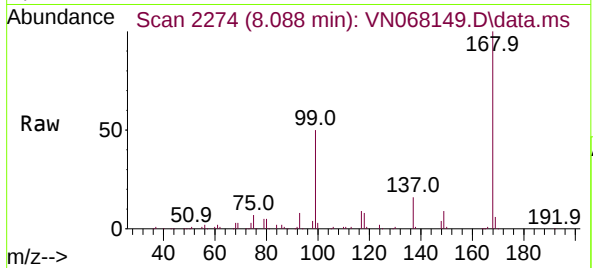




#38
Carbon Tetrachloride
Concen: 5.883 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.118 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

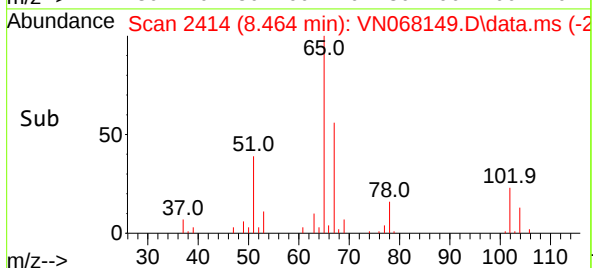
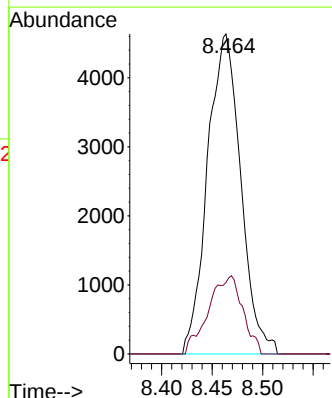
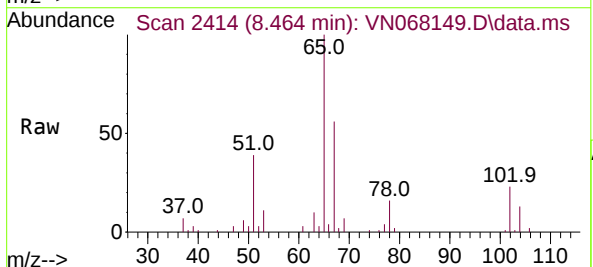
Instrument :
MSVOA_N
ClientSampled :
41908

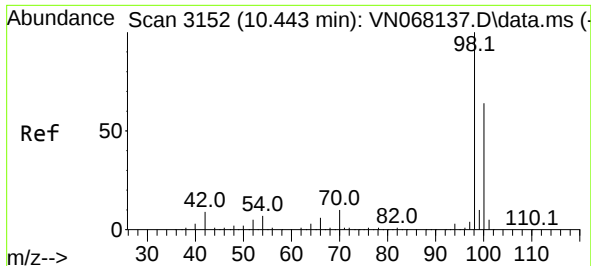
Tgt Ion:117 Resp: 37685
Ion Ratio Lower Upper
117 100
119 6.0 75.4 113.2#
121 0.0 23.5 35.3#



#40
Benzene
Concen: 0.625 ug/l
RT: 8.464 min Scan# 2414
Delta R.T. 0.003 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

Tgt Ion: 78 Resp: 10598
Ion Ratio Lower Upper
78 100
77 22.4 18.9 28.3

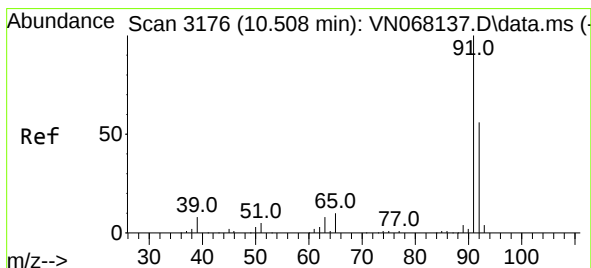
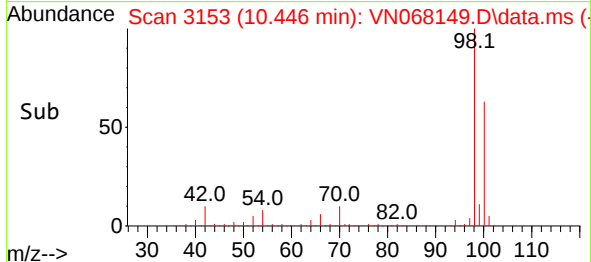
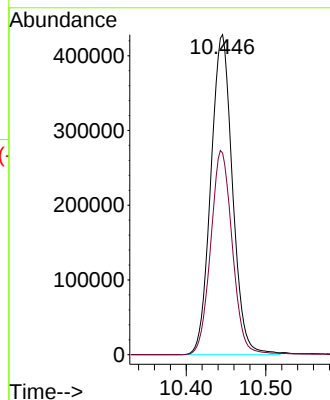
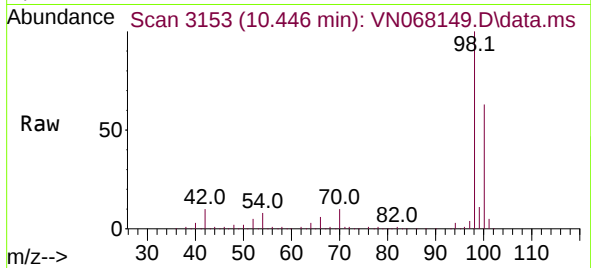




#50
Toluene-d8
Concen: 50.003 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

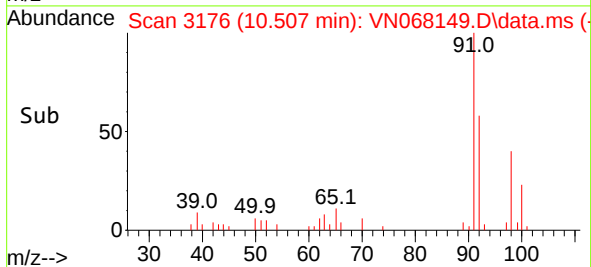
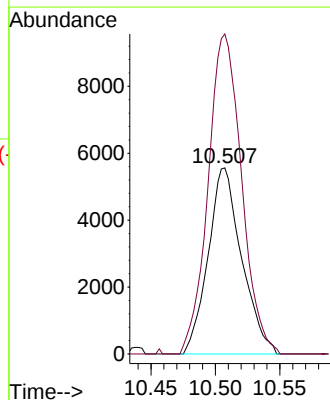
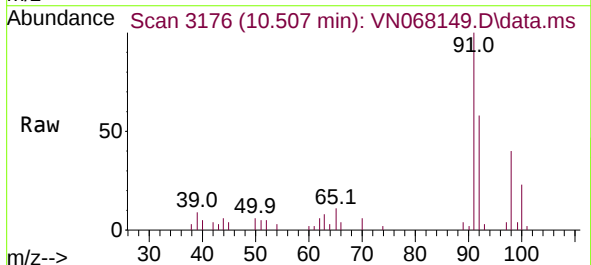
Instrument :
MSVOA_N
ClientSampled :
41908

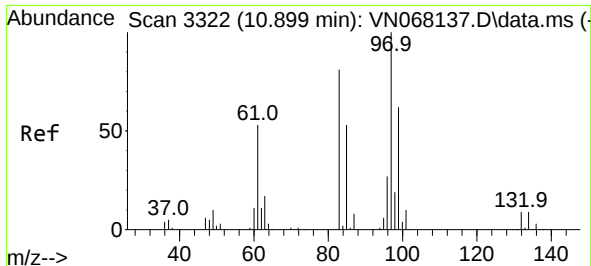
Tgt Ion: 98 Resp: 812655
Ion Ratio Lower Upper
98 100
100 64.0 51.7 77.5



#52
Toluene
Concen: 0.871 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. -0.001 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

Tgt Ion: 92 Resp: 10070
Ion Ratio Lower Upper
92 100
91 171.9 139.6 209.4

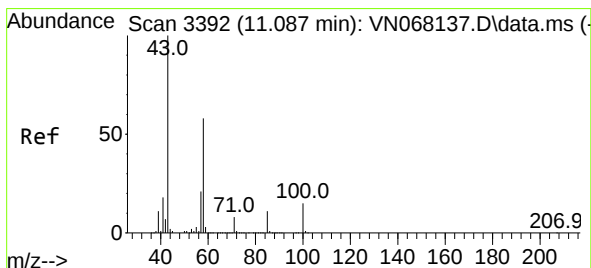
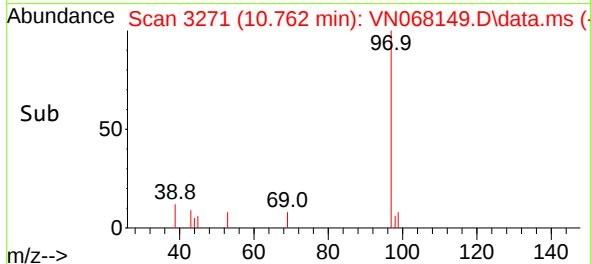
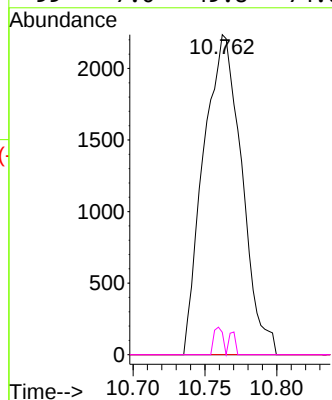
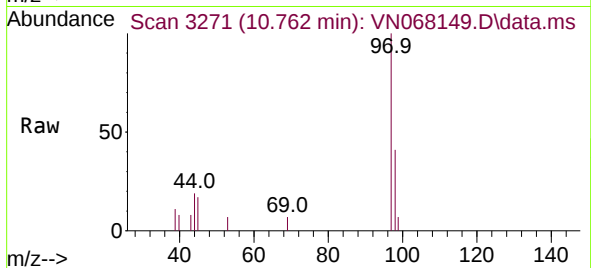




#55
1,1,2-Trichloroethane
Concen: 0.895 ug/l
RT: 10.762 min Scan# 3271
Delta R.T. -0.137 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

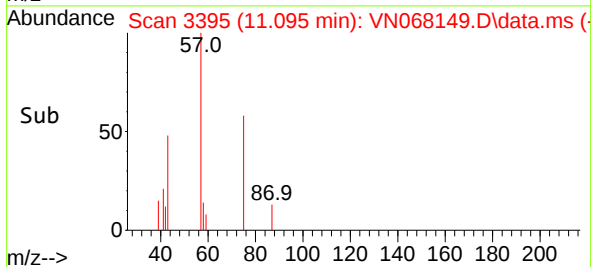
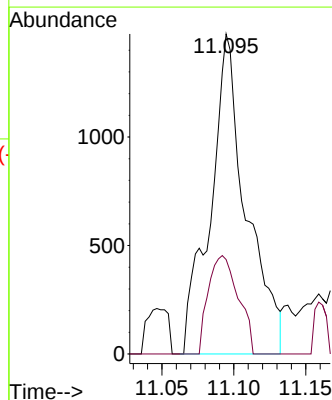
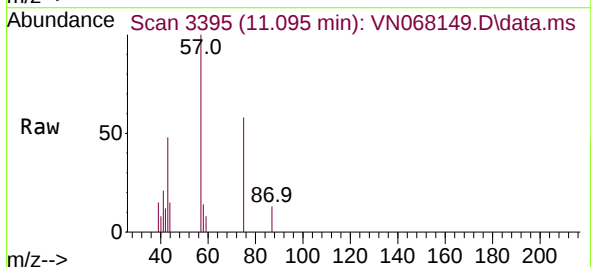
Instrument :
MSVOA_N
ClientSampled :
41908

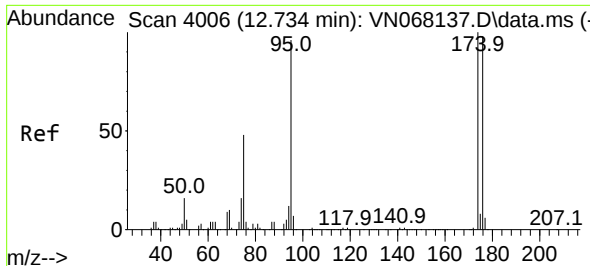
Tgt Ion:	97	Resp:	4135
Ion	Ratio	Lower	Upper
97	100		
83	0.0	72.0	108.0#
85	0.0	46.8	70.2#
99	7.0	49.8	74.6#



#59
2-Hexanone
Concen: 0.791 ug/l
RT: 11.095 min Scan# 3395
Delta R.T. 0.008 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

Tgt Ion:	43	Resp:	2556
Ion	Ratio	Lower	Upper
43	100		
58	25.7	24.7	74.1

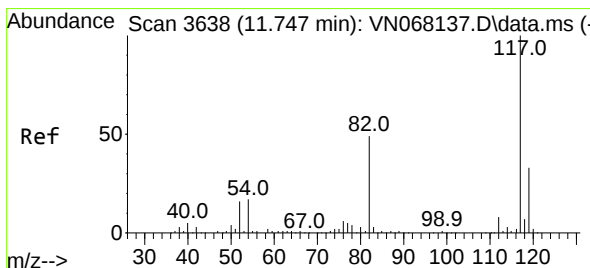
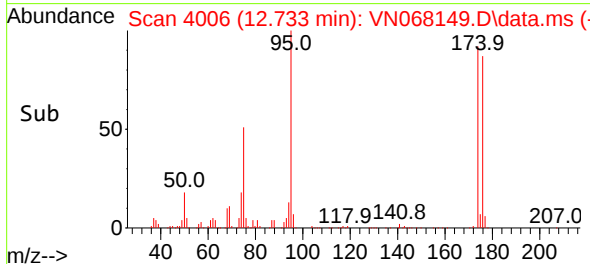
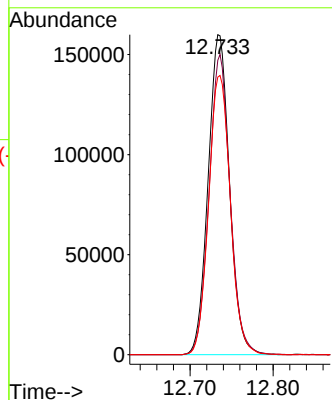
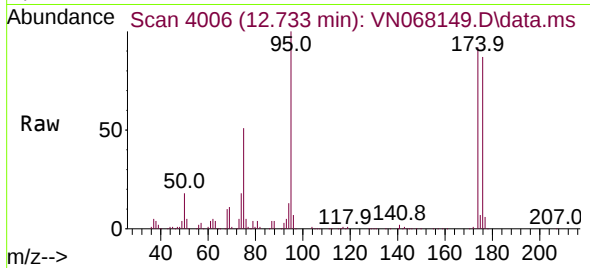




#62
4-Bromofluorobenzene
Concen: 52.786 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.001 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

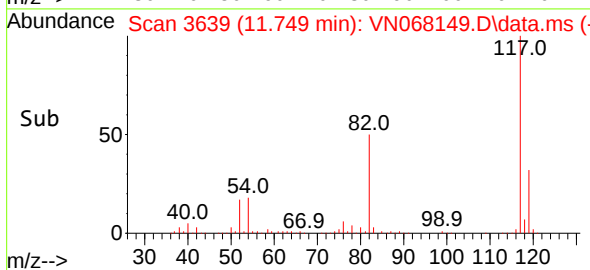
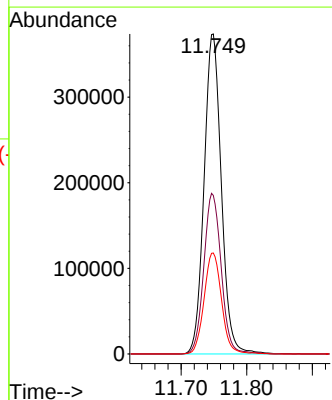
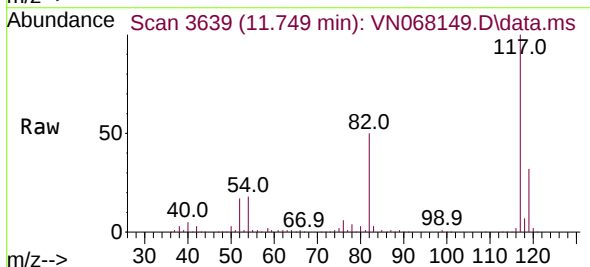
Instrument :
MSVOA_N
ClientSampleId :
41908

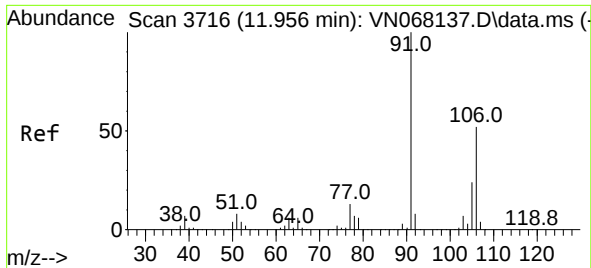
Tgt Ion: 95 Resp: 285586
Ion Ratio Lower Upper
95 100
174 92.2 0.0 122.0
176 88.8 0.0 117.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.002 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

Tgt Ion: 117 Resp: 683156
Ion Ratio Lower Upper
117 100
82 49.5 53.1 79.7#
119 31.5 25.5 38.3

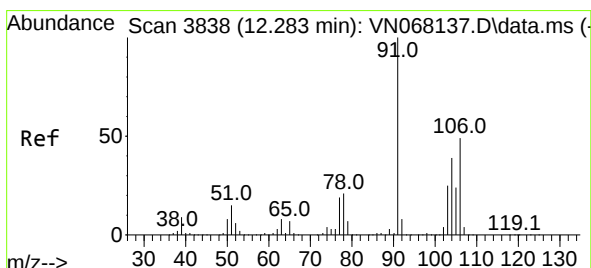
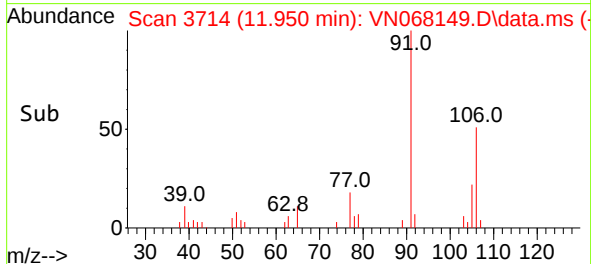
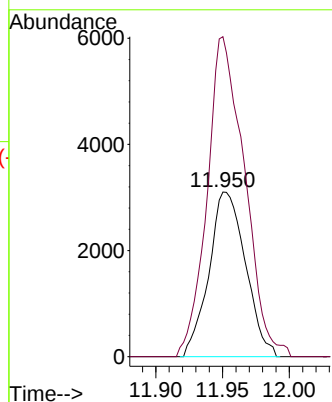
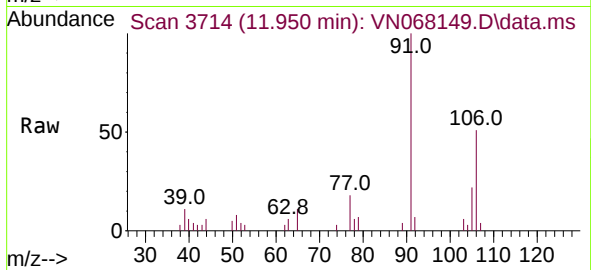




#68
m/p-Xylenes
Concen: 0.641 ug/l
RT: 11.950 min Scan# 3714
Delta R.T. -0.006 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

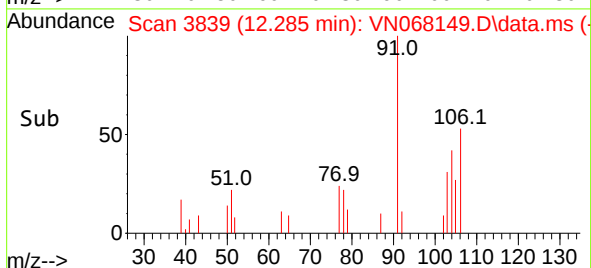
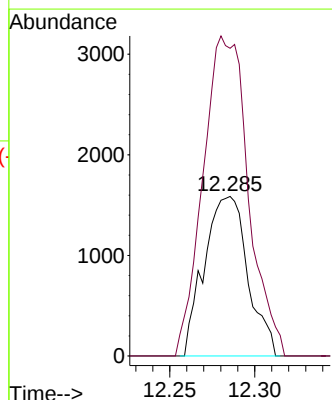
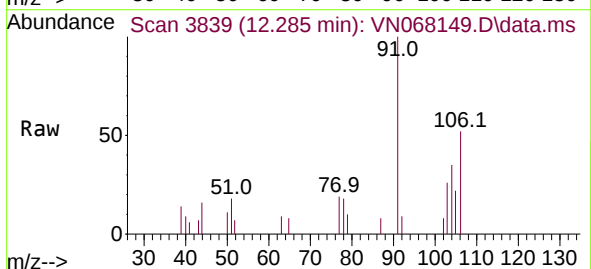
Instrument :
MSVOA_N
ClientSampled :
41908

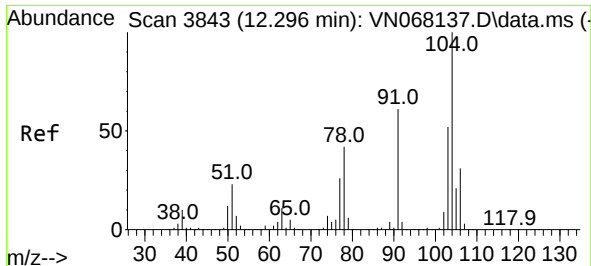
Tgt Ion:106 Resp: 5914
Ion Ratio Lower Upper
106 100
91 198.8 180.6 270.8



#69
o-Xylene
Concen: 0.317 ug/l
RT: 12.285 min Scan# 3839
Delta R.T. 0.002 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

Tgt Ion:106 Resp: 2827
Ion Ratio Lower Upper
106 100
91 208.5 118.3 354.9

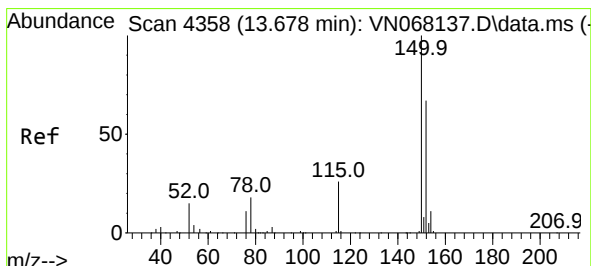
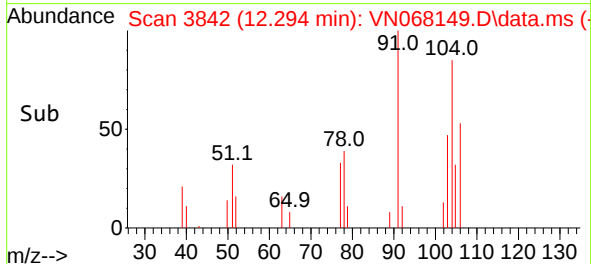
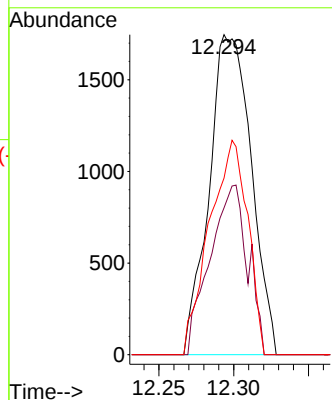
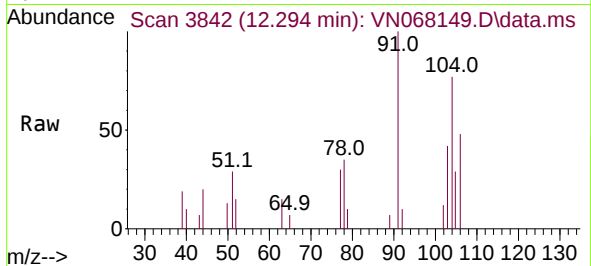




#70
Styrene
Concen: 0.240 ug/l
RT: 12.294 min Scan# 3842
Delta R.T. -0.002 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

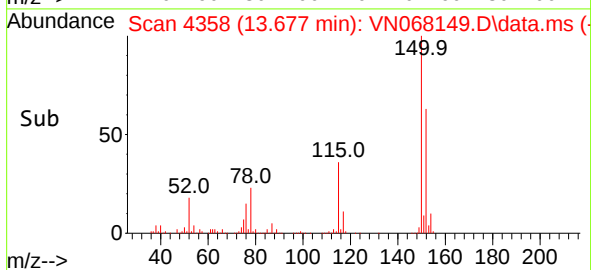
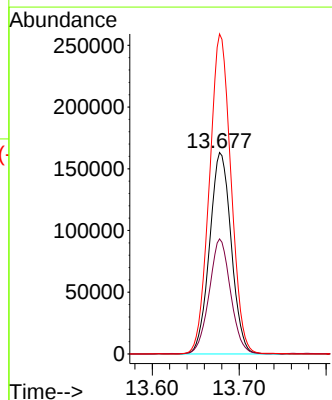
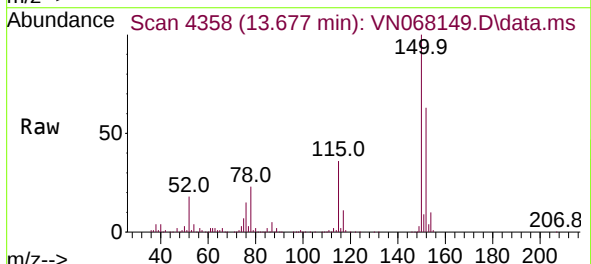
Instrument :
MSVOA_N
ClientSampleId :
41908

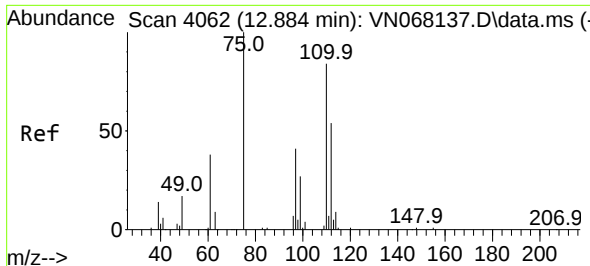
Tgt Ion:104 Resp: 3430
Ion Ratio Lower Upper
104 100
78 47.3 48.2 72.2#
103 60.8 44.5 66.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. -0.001 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

Tgt Ion:152 Resp: 281813
Ion Ratio Lower Upper
152 100
115 56.2 36.1 108.5
150 158.8 0.0 351.8

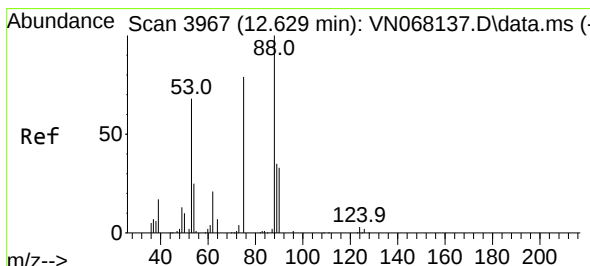
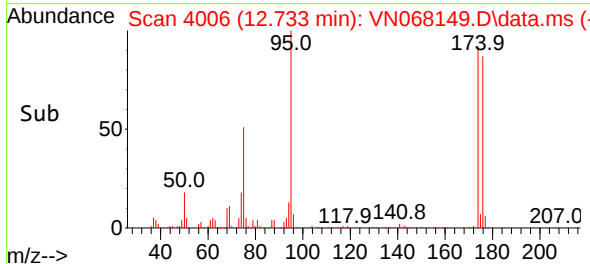
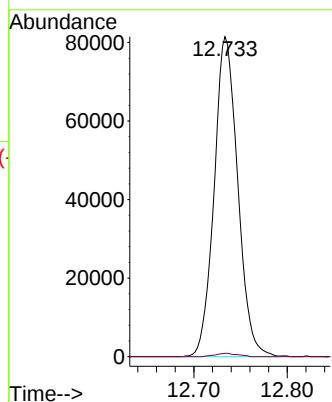
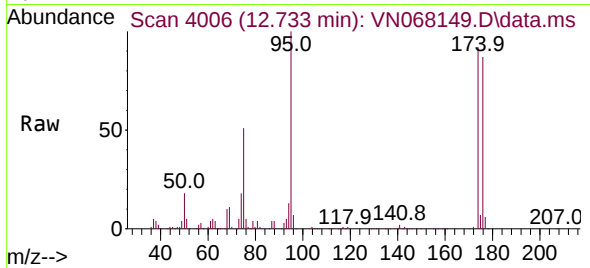




#76
1,2,3-Trichloropropane
Concen: 30.573 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. -0.151 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

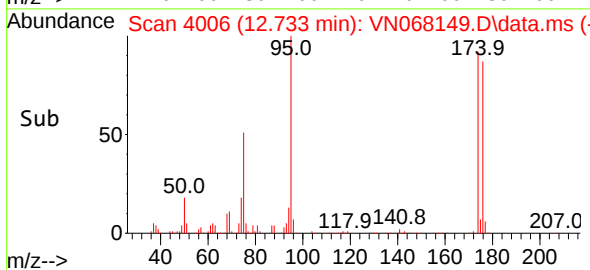
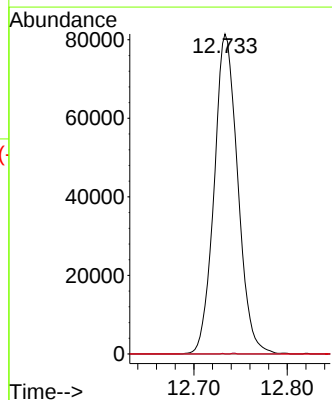
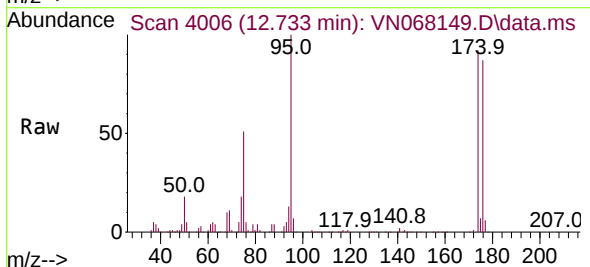
Instrument :
MSVOA_N
ClientSampled :
41908

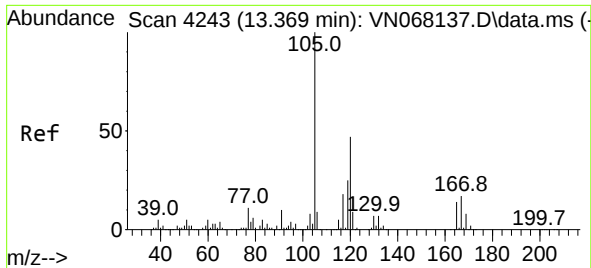
Tgt Ion: 75 Resp: 143203
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.161 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.104 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

Tgt Ion: 75 Resp: 143203
Ion Ratio Lower Upper
75 100
53 0.0 87.6 131.4#
89 0.0 37.8 56.8#

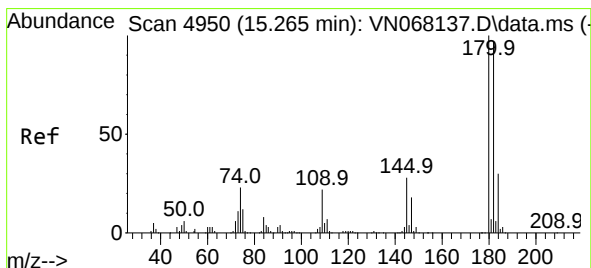
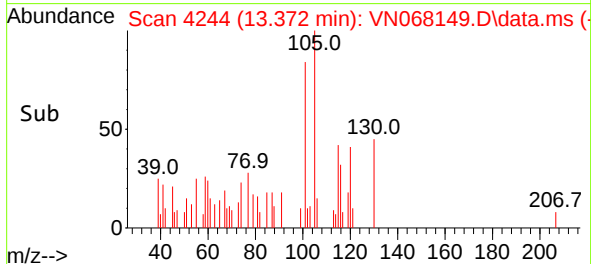
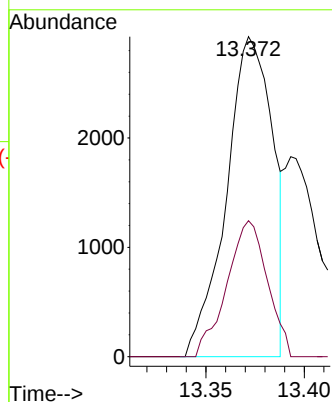
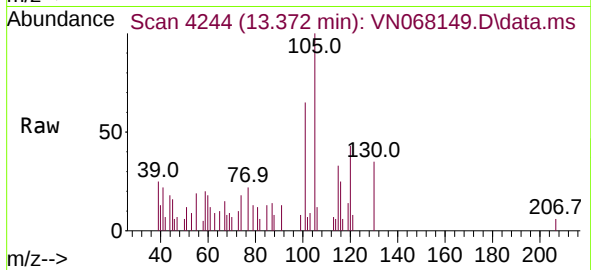




#84
1,2,4-Trimethylbenzene
Concen: 0.302 ug/l
RT: 13.372 min Scan# 4244
Delta R.T. 0.003 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

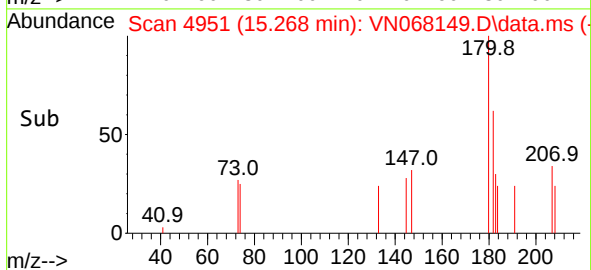
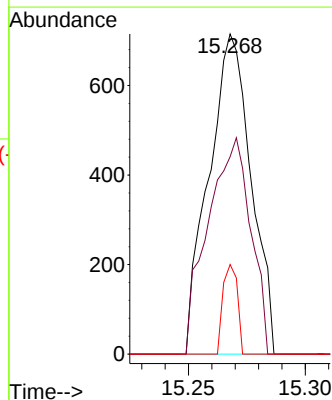
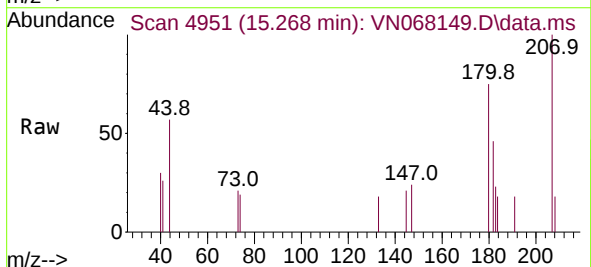
Instrument :
MSVOA_N
ClientSampleId :
41908

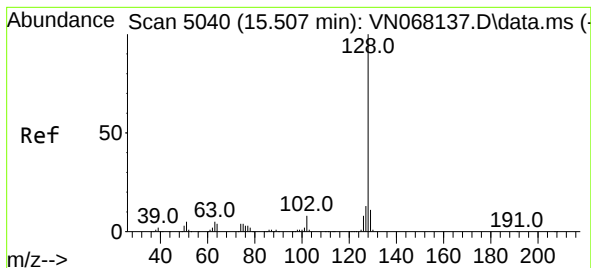
Tgt Ion:105 Resp: 4787
Ion Ratio Lower Upper
105 100
120 37.2 20.6 61.8



#93
1,2,4-Trichlorobenzene
Concen: 2.866 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

Tgt Ion:180 Resp: 899
Ion Ratio Lower Upper
180 100
182 68.3 47.5 142.5
145 9.5 17.2 51.6#

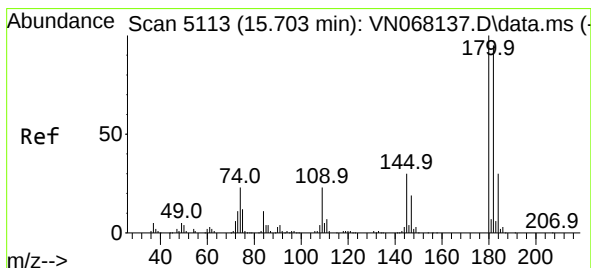
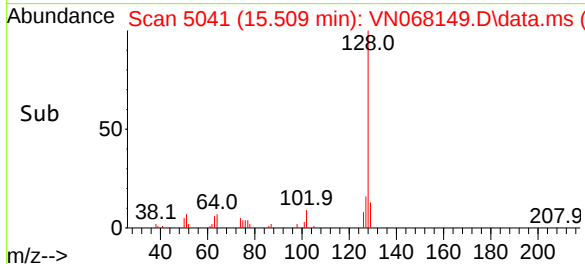
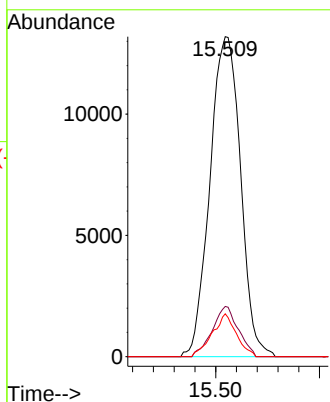
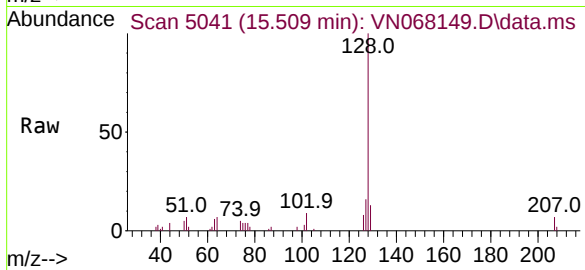




#95
Naphthalene
Concen: 5.623 ug/l
RT: 15.509 min Scan# 5041
Delta R.T. 0.002 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

Instrument :
MSVOA_N
ClientSampled :
41908

Tgt Ion:128	Resp:	27018
Ion Ratio	Lower	Upper
128	100	
127	13.3	10.6 15.8
129	10.5	8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 3.038 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.005 min
Lab File: VN068149.D
Acq: 17 Aug 2021 17:42

Tgt Ion:180	Resp:	979
Ion Ratio	Lower	Upper
180	100	
182	99.3	47.8 143.3
145	17.1	18.2 54.6#

