

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092121\
 Data File : VN068580.D
 Acq On : 21 Sep 2021 14:20
 Operator : JC/MD
 Sample : M3781-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-20210915

Quant Time: Sep 21 16:09:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090721W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 17 11:02:11 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

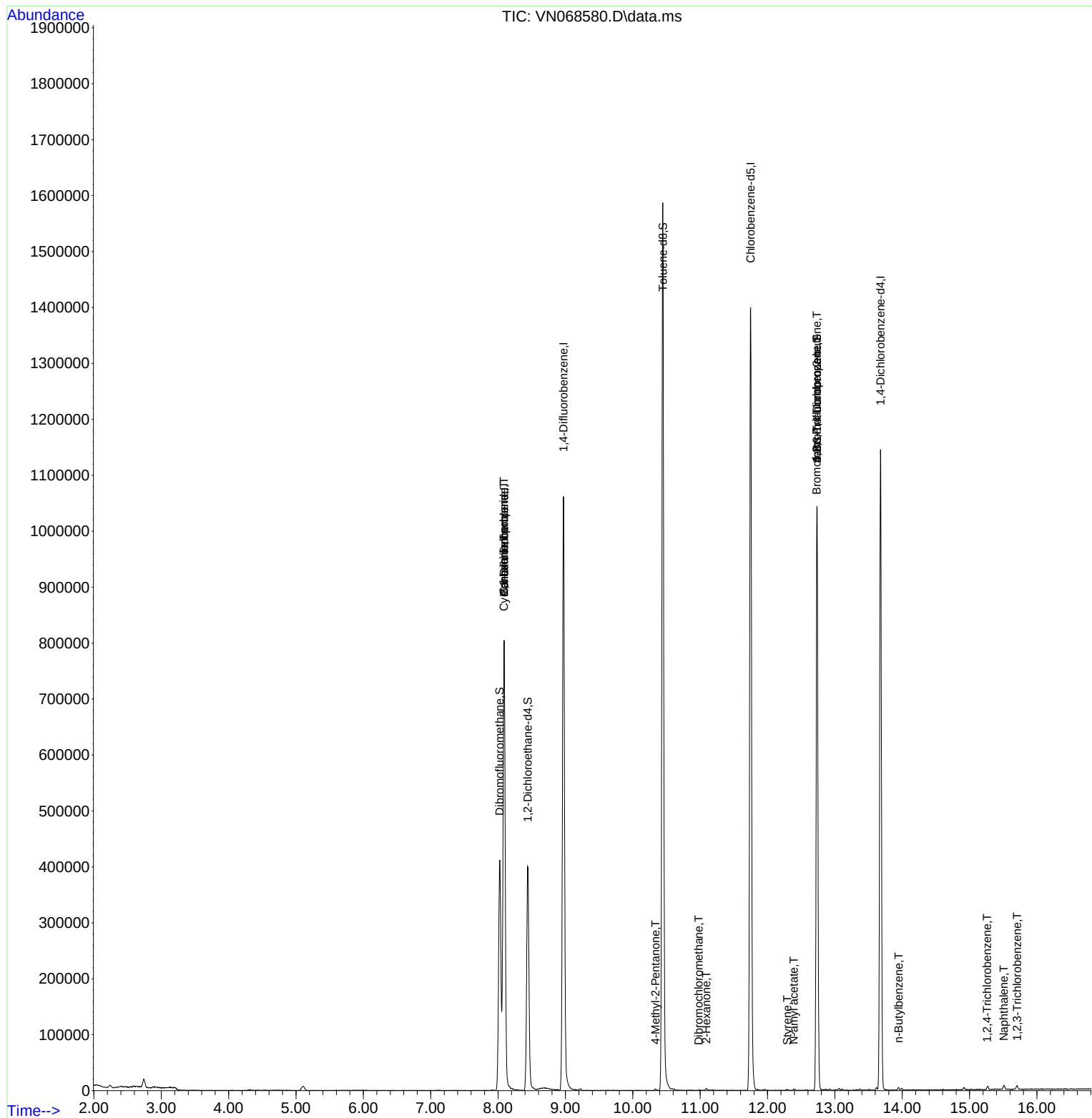
Internal Standards						
1) Pentafluorobenzene	8.091	168	660713	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	1029688	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	941000	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	352452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	341628	56.368	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 112.740%			
35) Dibromofluoromethane	8.024	113	306423	49.341	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 98.680%			
50) Toluene-d8	10.446	98	1203006	47.428	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 94.860%			
62) 4-Bromofluorobenzene	12.734	95	353671	42.778	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 85.560%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.311	50	246	Below Cal	#	67
5) Bromomethane	2.845	94	89	Below Cal	#	3
16) Acetone	4.291	43	650	Below Cal	#	41
18) Methyl Acetate	4.859	43	399	Below Cal	#	45
20) Methylene Chloride	5.111	84	5065	Below Cal	#	87
31) Cyclohexane	8.086	56	11427	1.244	ug/l #	28
36) 1,1-Dichloropropene	8.088	75	44141	5.142	ug/l #	47
38) Carbon Tetrachloride	8.088	117	63142	6.140	ug/l #	16
51) 4-Methyl-2-Pentanone	10.339	43	1608	0.244	ug/l #	75
59) 2-Hexanone	11.092	43	2804	0.637	ug/l	84
60) Dibromochloromethane	10.980	129	177	1.821	ug/l #	11
70) Styrene	12.296	104	660	1.783	ug/l #	46
71) Bromoform	12.731	173	3868	3.038	ug/l #	1
74) N-amyl acetate	12.390	43	1696	0.303	ug/l #	69
76) 1,2,3-Trichloropropane	12.734	75	179401	36.723	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.734	75	179401	112.806	ug/l #	13
89) n-Butylbenzene	13.949	91	3212	0.213	ug/l	94
93) 1,2,4-Trichlorobenzene	15.263	180	1299	3.145	ug/l #	20
95) Naphthalene	15.507	128	8060	4.034	ug/l	97
96) 1,2,3-Trichlorobenzene	15.705	180	2693	3.382	ug/l	94

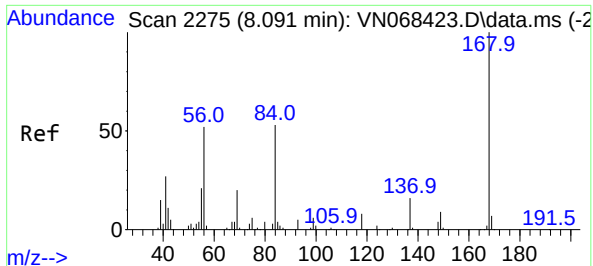
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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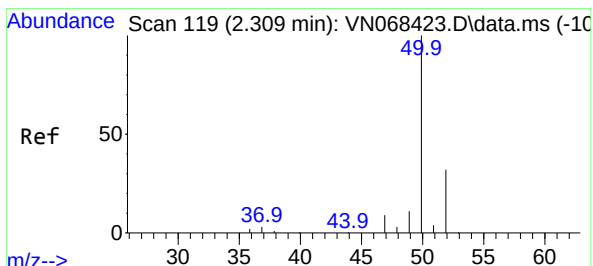
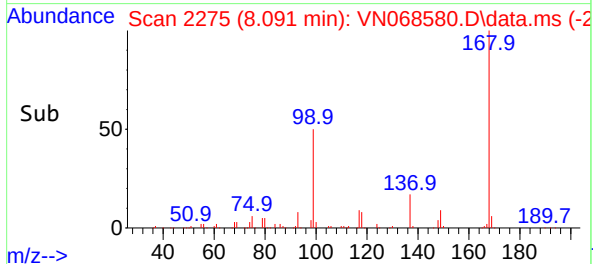
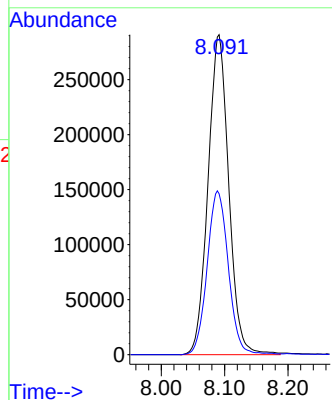
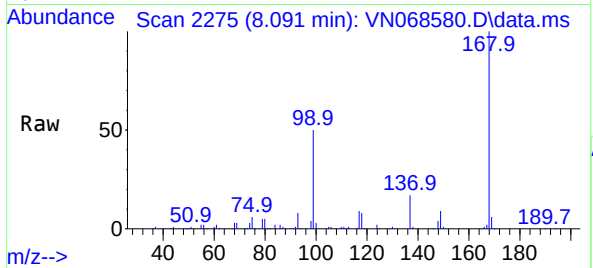




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.000 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

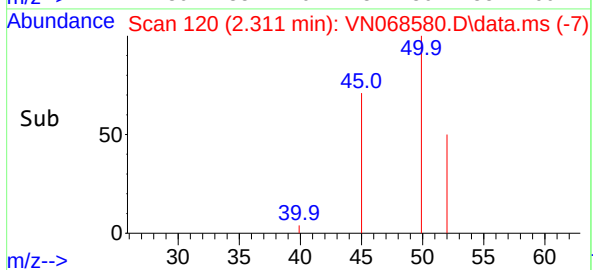
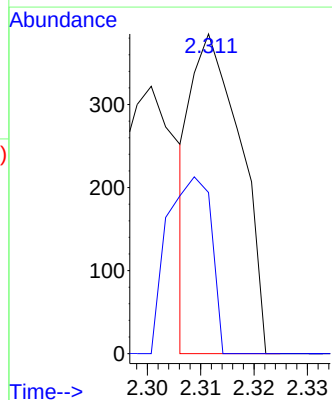
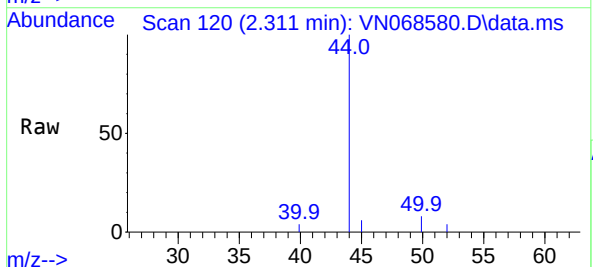
Instrument :
MSVOA_N
ClientSampleId :
TB01-20210915

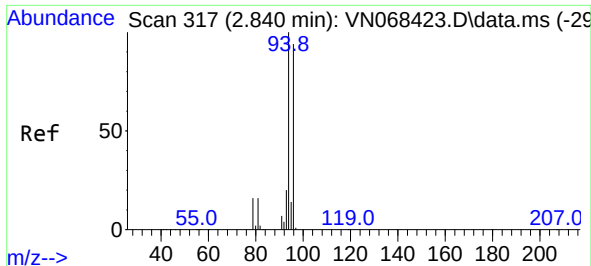
Tgt Ion:168 Resp: 660713
Ion Ratio Lower Upper
168 100
99 50.3 38.2 57.4



#3
Chloromethane
Concen: Below Cal
RT: 2.311 min Scan# 120
Delta R.T. 0.002 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

Tgt Ion: 50 Resp: 246
Ion Ratio Lower Upper
50 100
52 50.4 25.8 38.6#

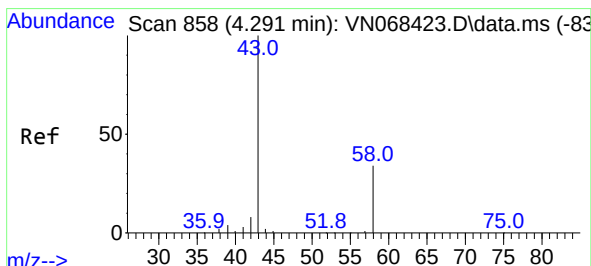
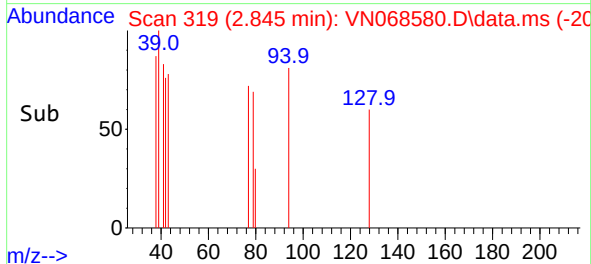
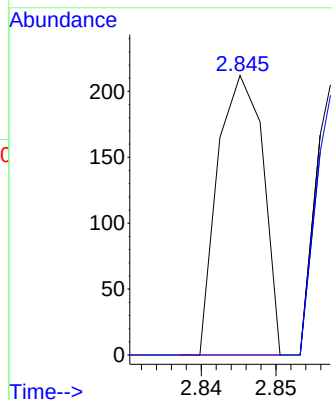
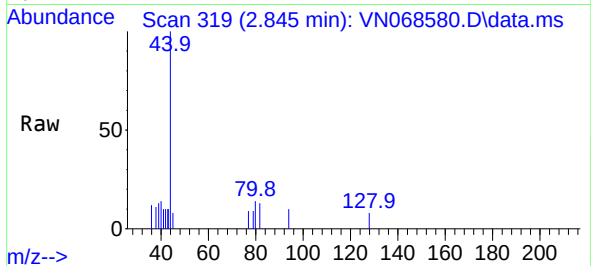




#5
Bromomethane
Concen: Below Cal
RT: 2.845 min Scan# 319
Delta R.T. 0.005 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

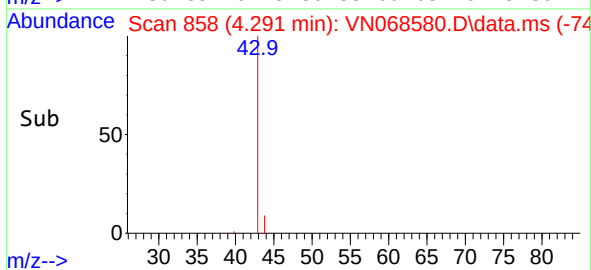
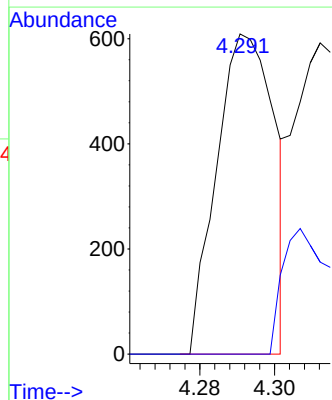
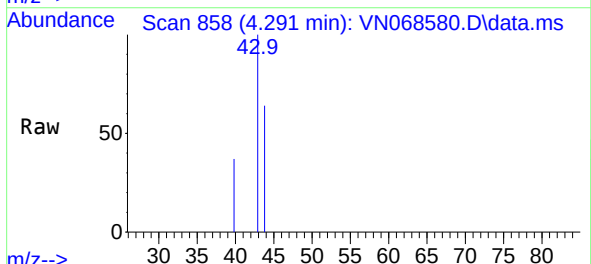
Instrument :
MSVOA_N
ClientSampleId :
TB01-20210915

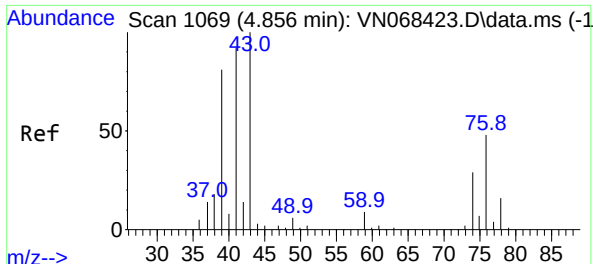
Tgt Ion: 94 Resp: 89
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#



#16
Acetone
Concen: Below Cal
RT: 4.291 min Scan# 858
Delta R.T. -0.000 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

Tgt Ion: 43 Resp: 650
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.6#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.859 min Scan# 1070

Delta R.T. 0.003 min

Lab File: VN068580.D

Acq: 21 Sep 2021 14:20

Tgt Ion: 43 Resp: 399

Ion Ratio Lower Upper

43 100

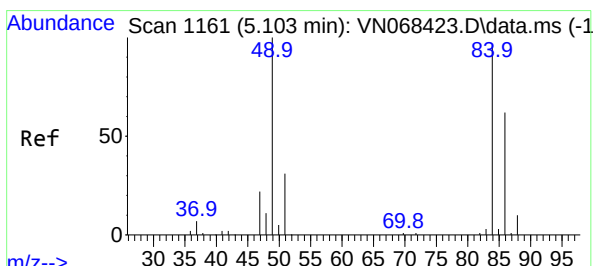
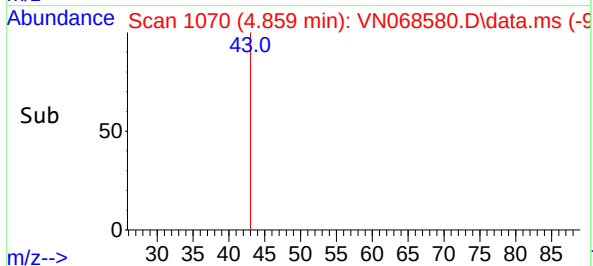
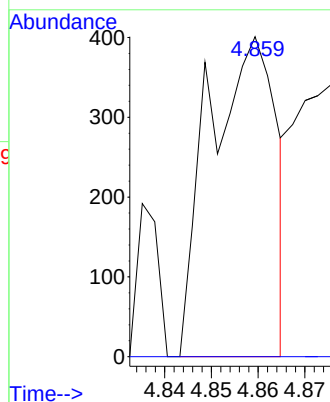
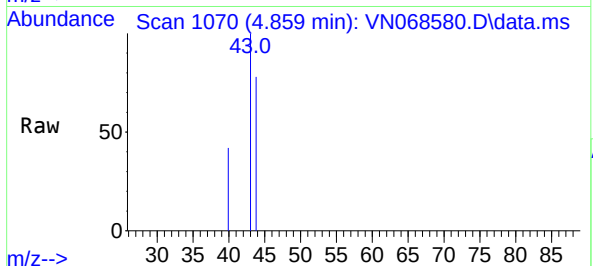
74 0.0 23.5 35.3#

Instrument :

MSVOA_N

ClientSampleId :

TB01-20210915



#20

Methylene Chloride

Concen: Below Cal

RT: 5.111 min Scan# 1164

Delta R.T. 0.008 min

Lab File: VN068580.D

Acq: 21 Sep 2021 14:20

Tgt Ion: 84 Resp: 5065

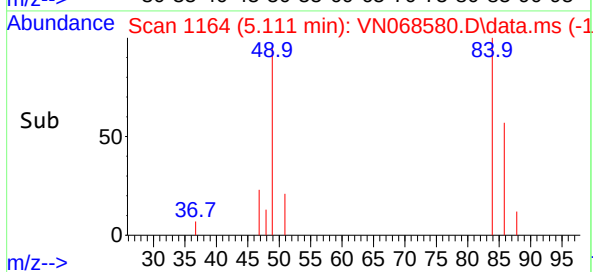
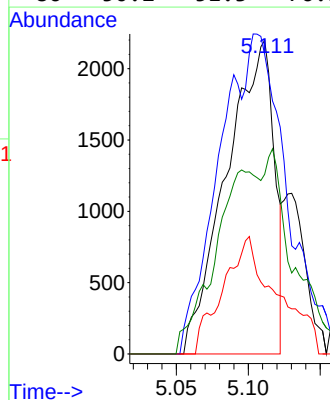
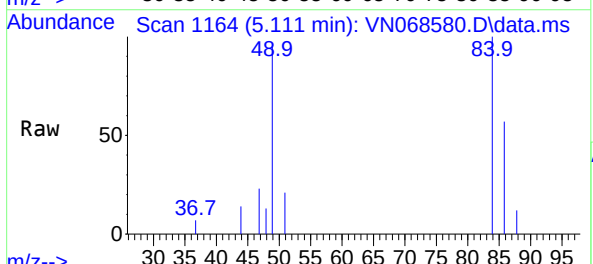
Ion Ratio Lower Upper

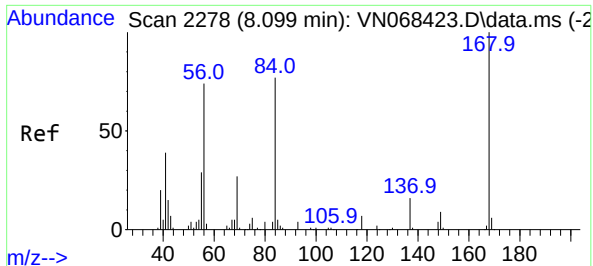
84 100

49 95.5 83.0 124.6

51 21.3 25.4 38.0#

86 50.2 51.3 76.9#

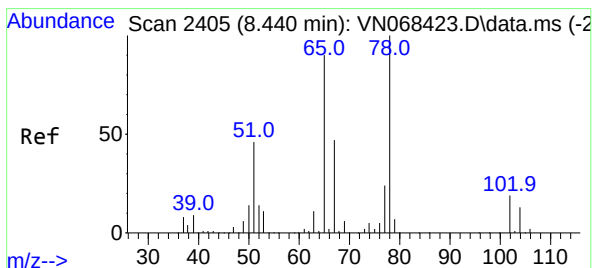
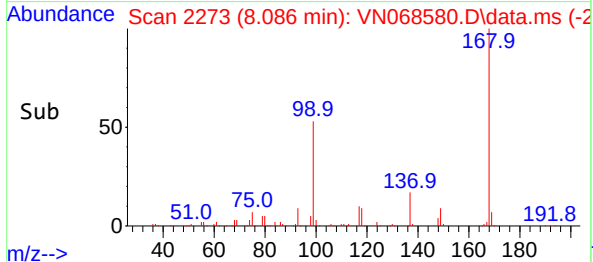
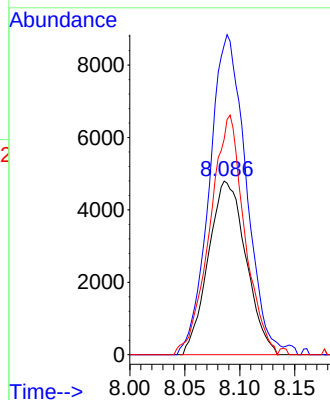
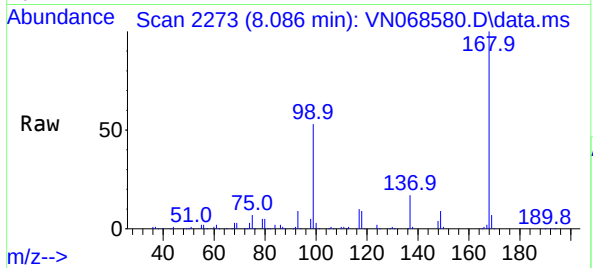




#31
Cyclohexane
Concen: 1.244 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.013 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

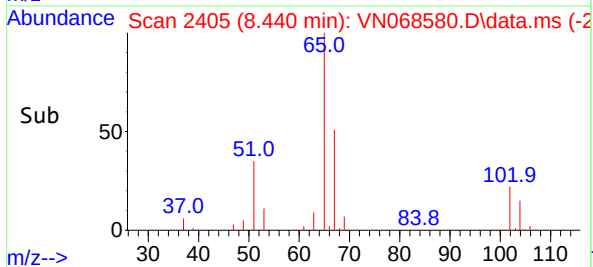
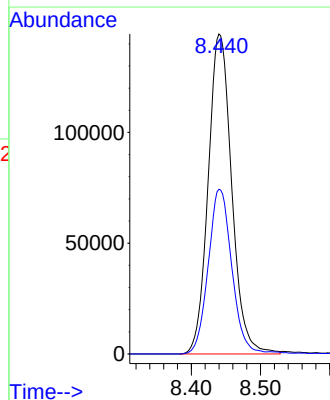
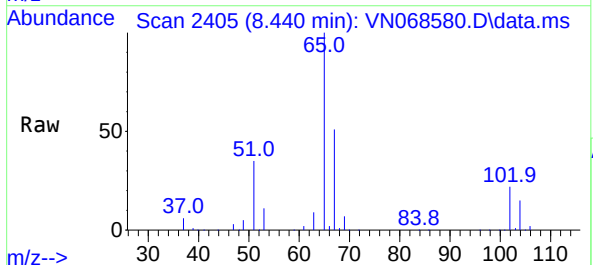
Instrument :
MSVOA_N
ClientSampleId :
TB01-20210915

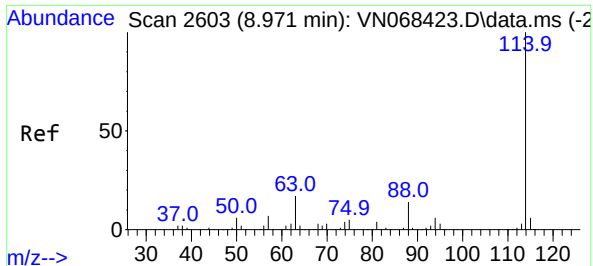
Tgt Ion: 56 Resp: 11427
Ion Ratio Lower Upper
56 100
69 174.8 29.4 44.0#
84 121.0 83.6 125.4



#33
1,2-Dichloroethane-d4
Concen: 56.368 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

Tgt Ion: 65 Resp: 341628
Ion Ratio Lower Upper
65 100
67 51.3 0.0 104.0

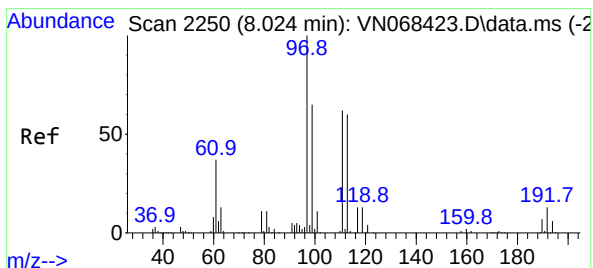
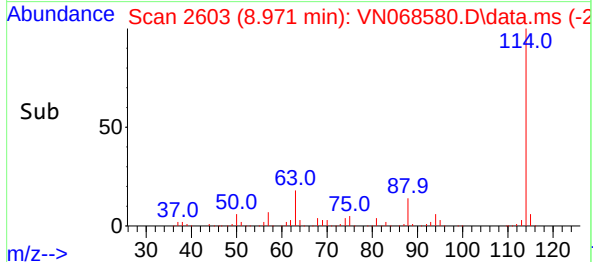
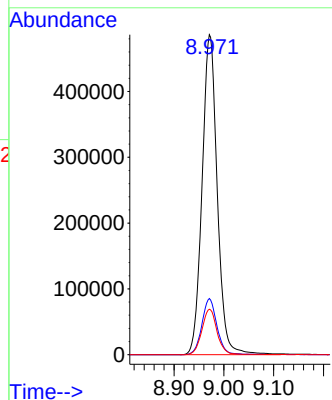
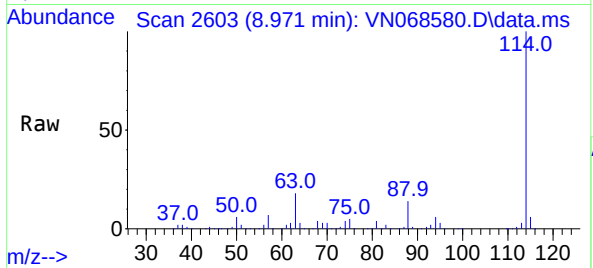




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

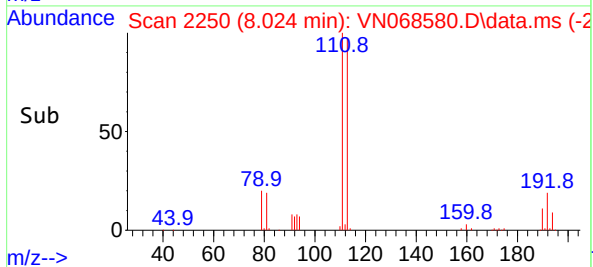
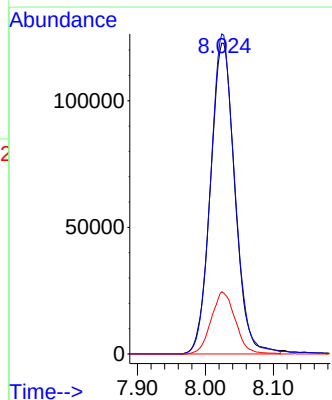
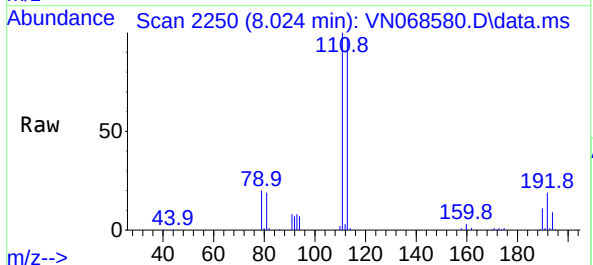
Instrument :
MSVOA_N
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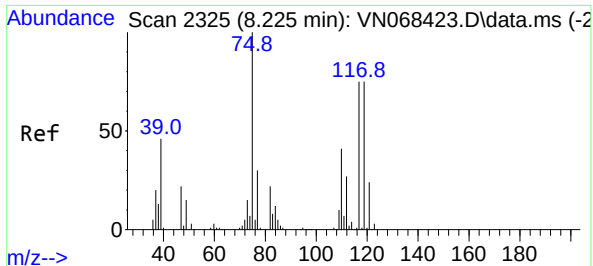
Tgt Ion:114 Resp: 1029688
Ion Ratio Lower Upper
114 100
63 17.5 0.0 33.2
88 14.2 0.0 28.4



#35
Dibromofluoromethane
Concen: 49.341 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

Tgt Ion:113 Resp: 306423
Ion Ratio Lower Upper
113 100
111 101.9 81.1 121.7
192 19.7 17.7 26.5



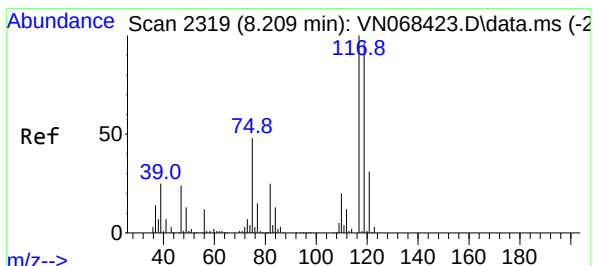
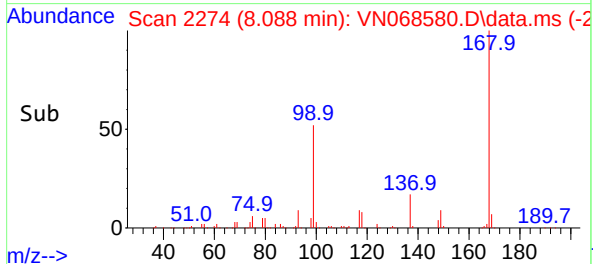
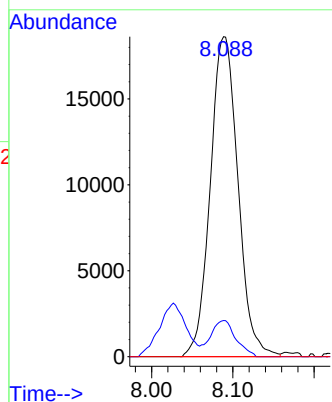
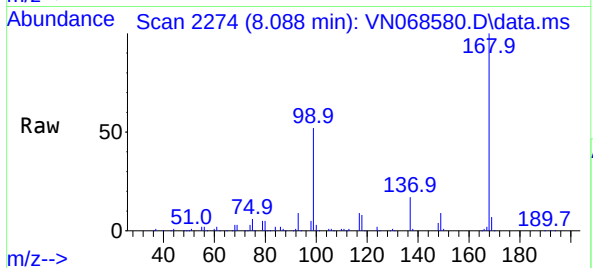


#36

1,1-Dichloropropene
Concen: 5.142 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

Instrument :
MSVOA_N
ClientSampled :
TB01-20210915

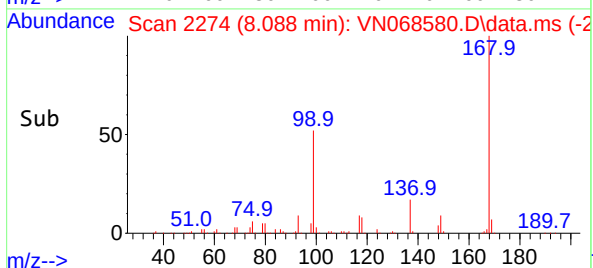
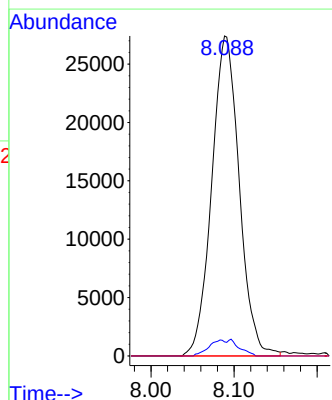
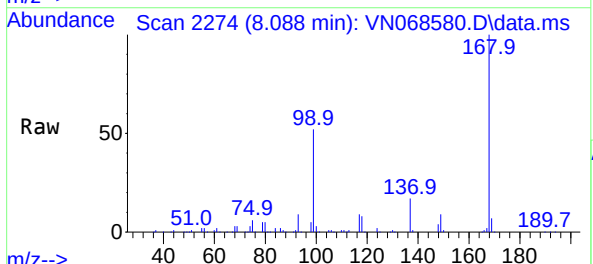
Tgt Ion: 75 Resp: 44141
Ion Ratio Lower Upper
75 100
110 10.2 20.8 62.5#
77 0.0 25.0 37.6#

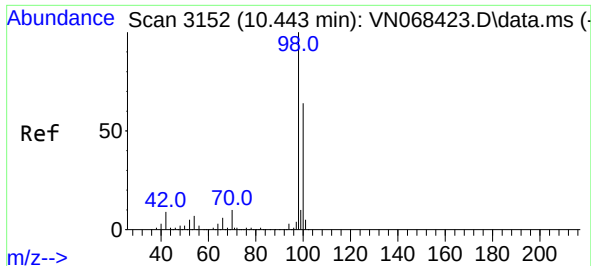


#38

Carbon Tetrachloride
Concen: 6.140 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

Tgt Ion: 117 Resp: 63142
Ion Ratio Lower Upper
117 100
119 4.4 76.6 114.8#
121 0.0 24.5 36.7#

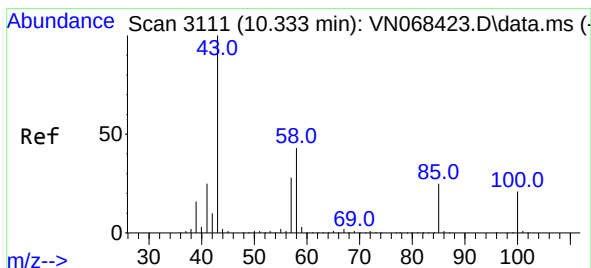
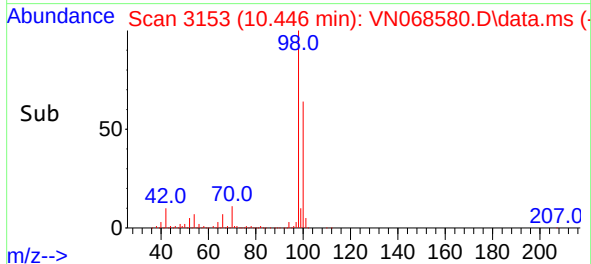
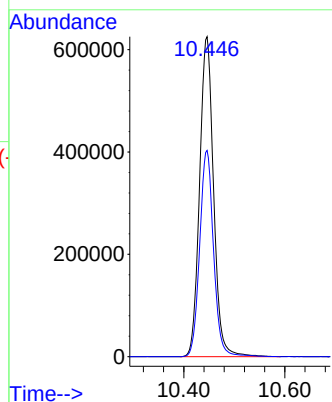
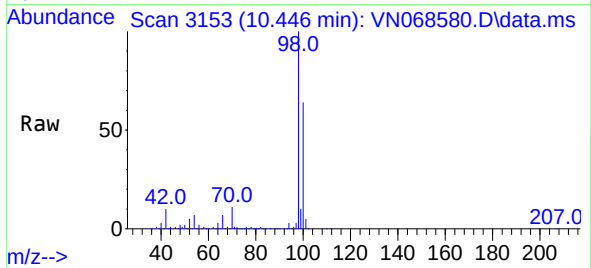




#50
Toluene-d8
Concen: 47.428 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

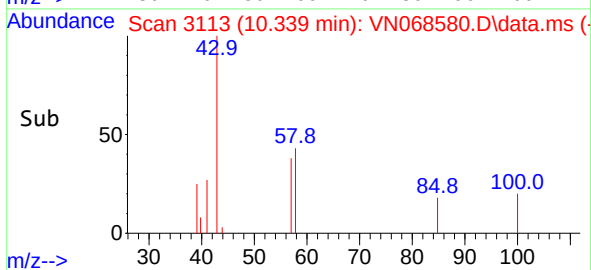
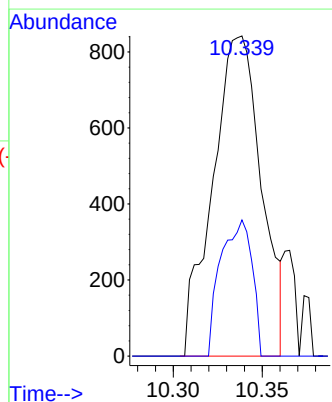
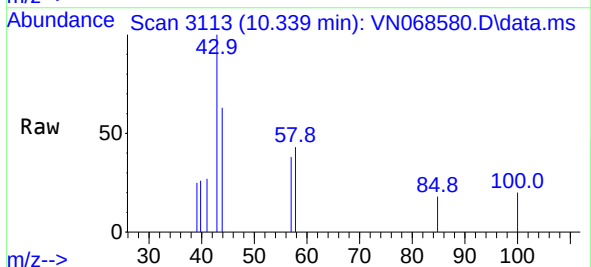
Instrument :
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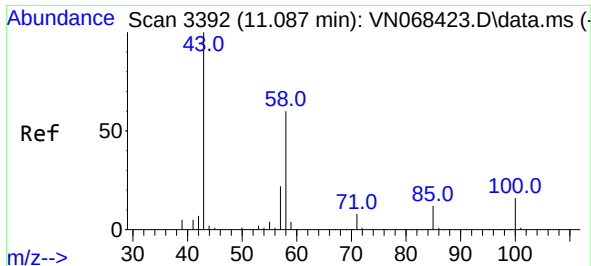
Tgt Ion: 98 Resp: 1203006
Ion Ratio Lower Upper
98 100
100 63.9 51.0 76.6



#51
4-Methyl-2-Pentanone
Concen: 0.244 ug/l
RT: 10.339 min Scan# 3113
Delta R.T. 0.006 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

Tgt Ion: 43 Resp: 1608
Ion Ratio Lower Upper
43 100
58 27.2 34.3 51.5#

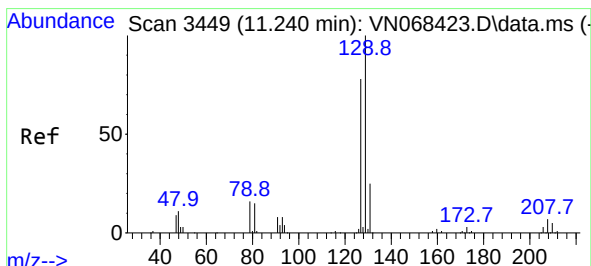
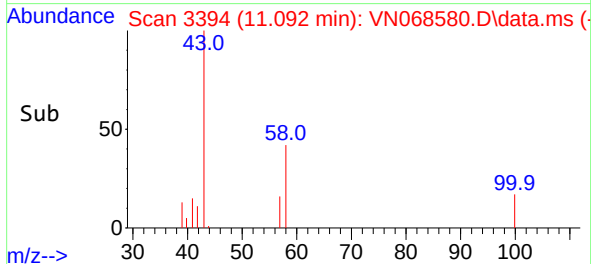
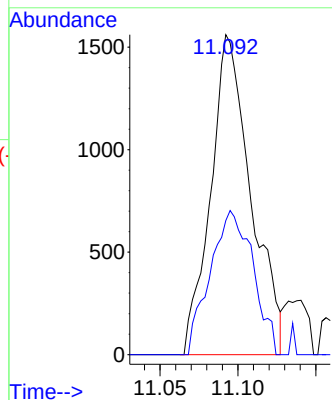
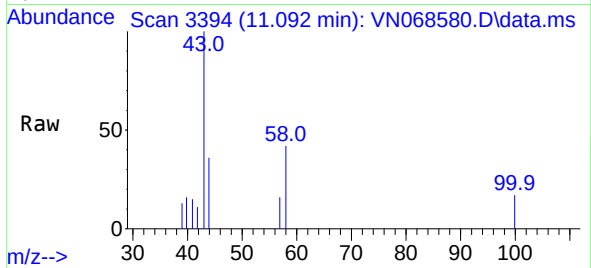




#59
2-Hexanone
Concen: 0.637 ug/l
RT: 11.092 min Scan# 3394
Delta R.T. 0.005 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

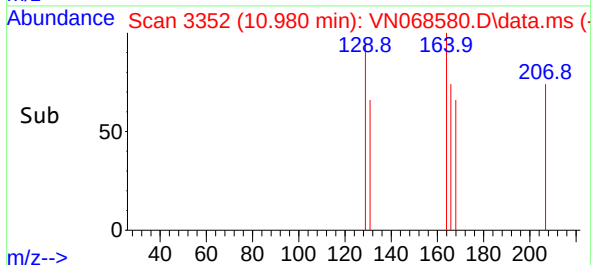
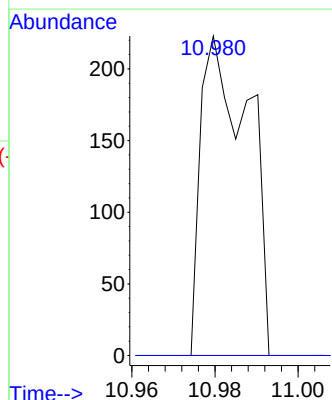
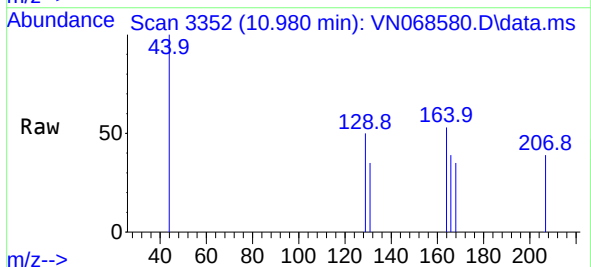
Instrument :
MSVOA_N
ClientSampled :
TB01-20210915

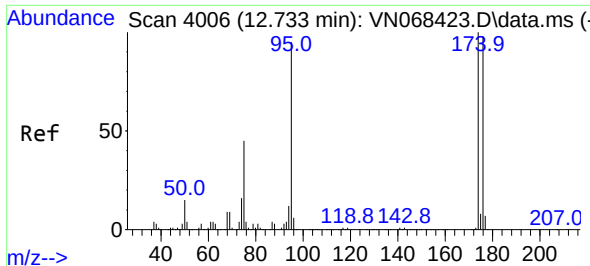
Tgt Ion: 43 Resp: 2804
Ion Ratio Lower Upper
43 100
58 47.9 30.0 90.1



#60
Dibromochloromethane
Concen: 1.821 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. -0.260 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

Tgt Ion: 129 Resp: 177
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

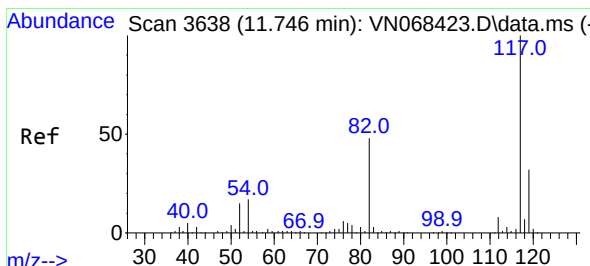
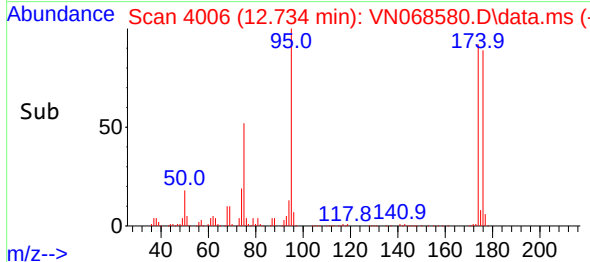
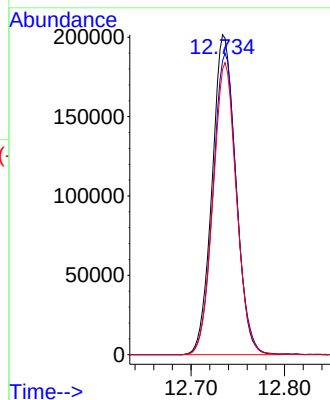
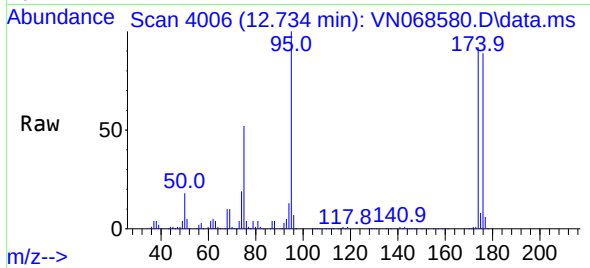




#62
4-Bromofluorobenzene
Concen: 42.778 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

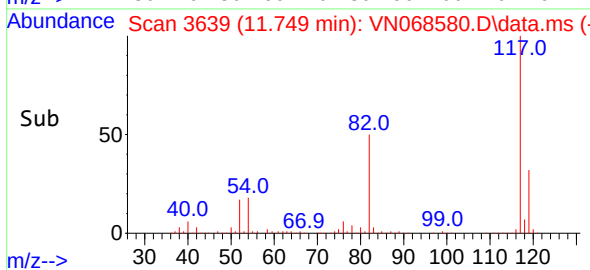
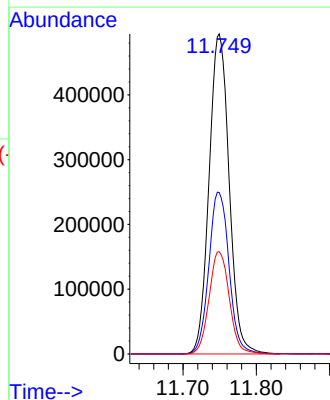
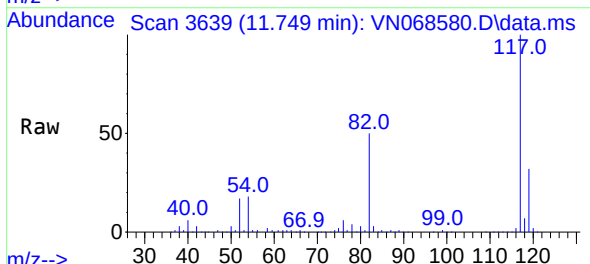
Instrument :
MSVOA_N
ClientSampleId :
TB01-20210915

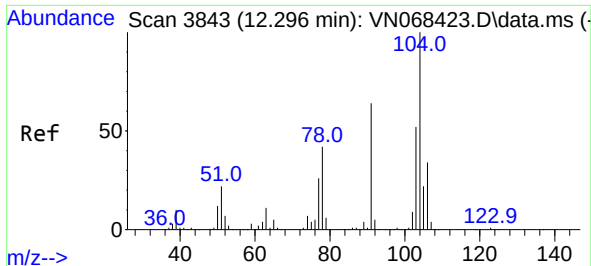
Tgt Ion: 95 Resp: 353671
Ion Ratio Lower Upper
95 100
174 93.9 0.0 214.0
176 90.4 0.0 205.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

Tgt Ion: 117 Resp: 941000
Ion Ratio Lower Upper
117 100
82 50.4 38.7 58.1
119 32.0 25.5 38.3

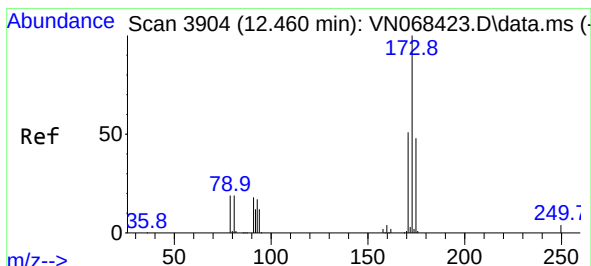
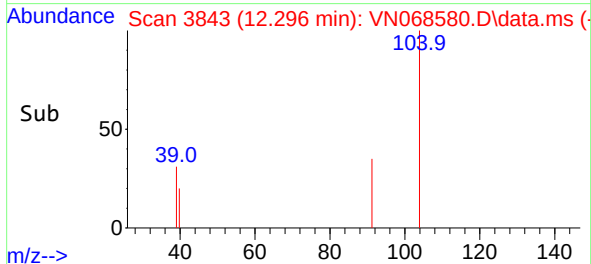
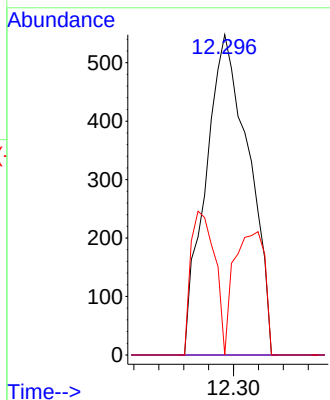
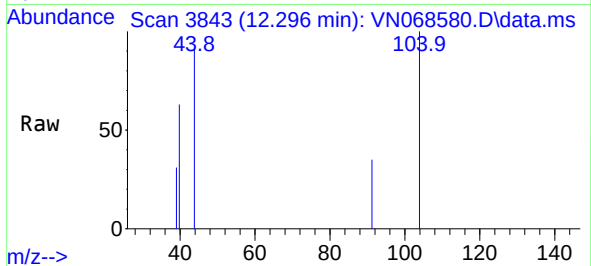




#70
Styrene
Concen: 1.783 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

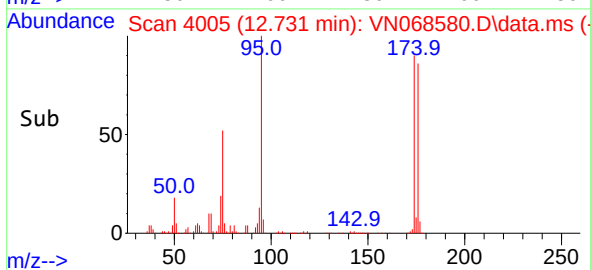
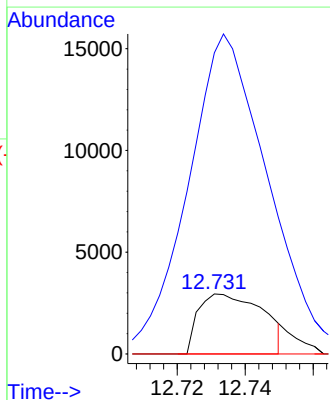
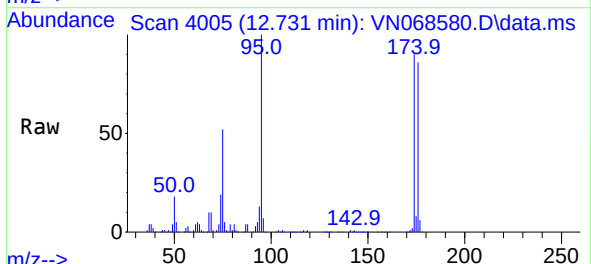
Instrument :
MSVOA_N
ClientSampleId :
TB01-20210915

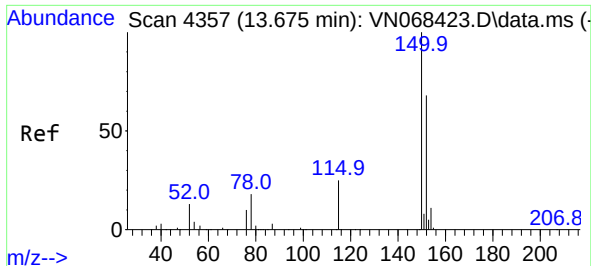
Tgt Ion:	104	Resp:	660
Ion	Ratio	Lower	Upper
104	100		
78	0.0	36.2	54.2#
103	24.8	44.4	66.6#



#71
Bromoform
Concen: 3.038 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

Tgt Ion:	173	Resp:	3868
Ion	Ratio	Lower	Upper
173	100		
175	601.3	24.1	72.3#
254	0.0	0.0	0.0

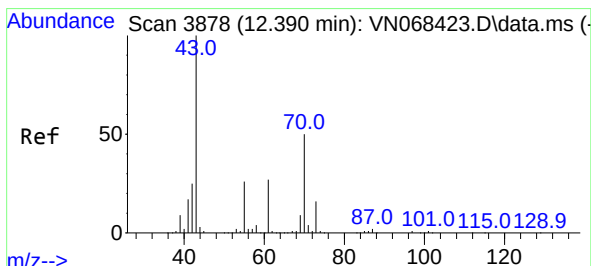
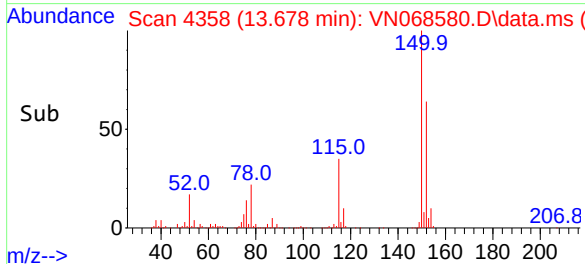
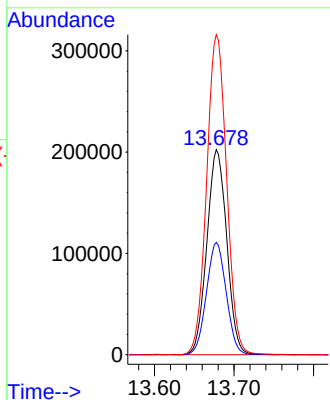
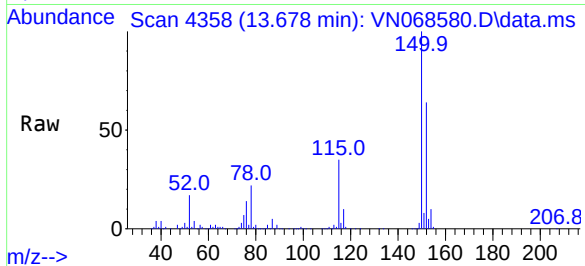




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

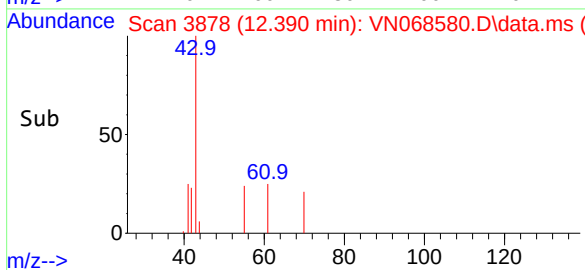
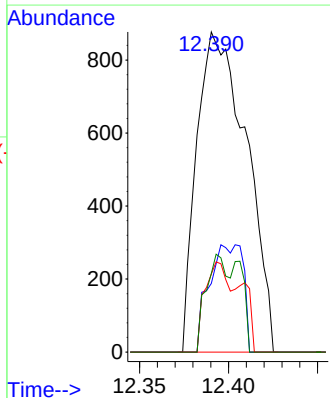
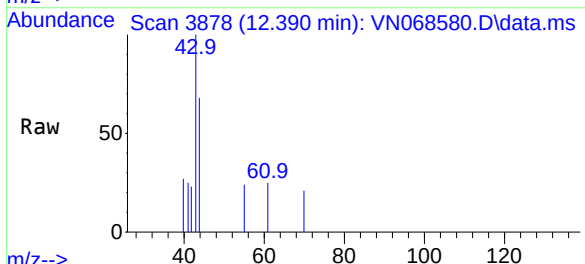
Instrument :
MSVOA_N
ClientSampleId :
TB01-20210915

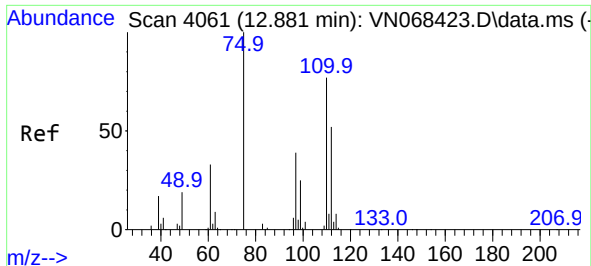
Tgt Ion:152 Resp: 352452
Ion Ratio Lower Upper
152 100
115 54.3 25.6 76.6
150 156.4 0.0 346.8



#74
N-ethyl acetate
Concen: 0.303 ug/l
RT: 12.390 min Scan# 3878
Delta R.T. 0.000 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

Tgt Ion: 43 Resp: 1696
Ion Ratio Lower Upper
43 100
70 23.0 40.0 60.0#
55 14.9 21.1 31.7#
61 14.0 21.2 31.8#

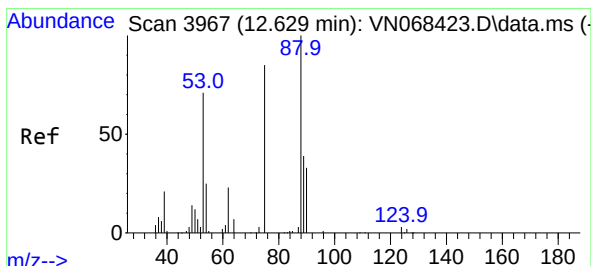
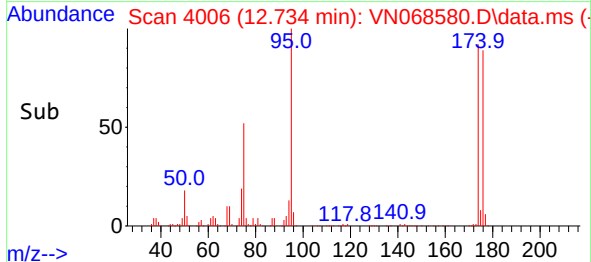
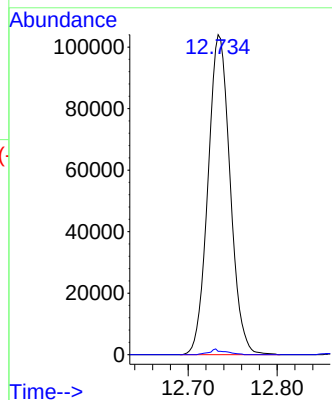
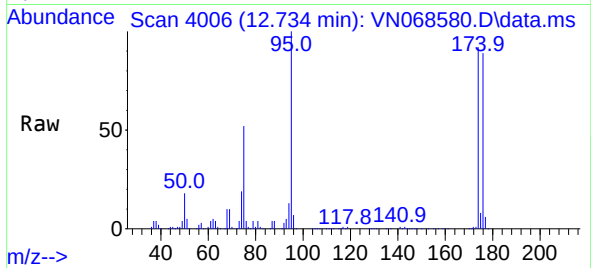




#76
1,2,3-Trichloropropane
Concen: 36.723 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. -0.147 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

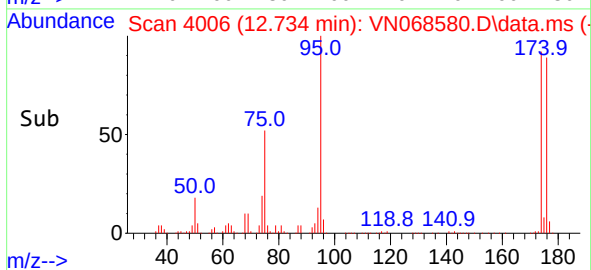
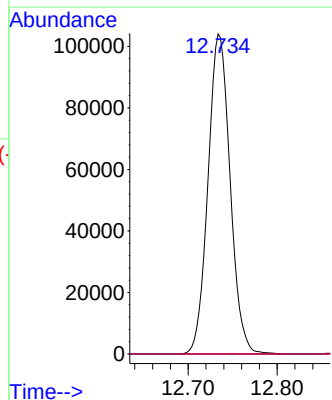
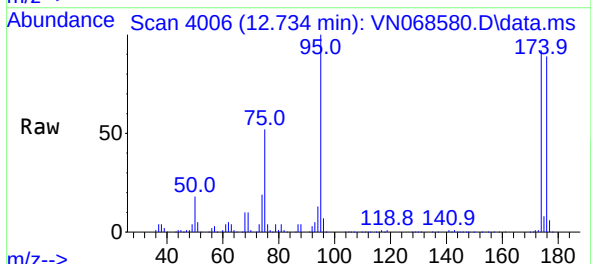
Instrument :
MSVOA_N
ClientSampleId :
TB01-20210915

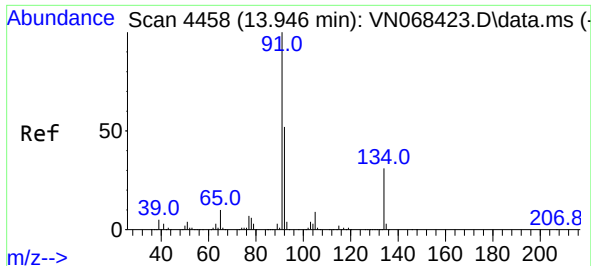
Tgt Ion: 75 Resp: 179401
Ion Ratio Lower Upper
75 100
77 1.3 100.9 302.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.806 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.105 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

Tgt Ion: 75 Resp: 179401
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#

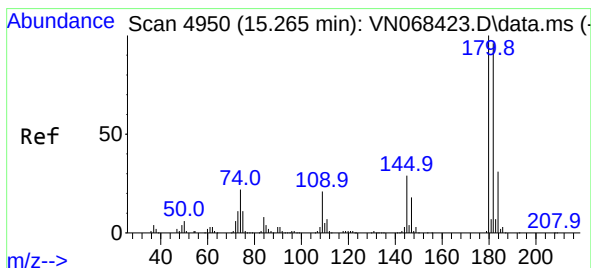
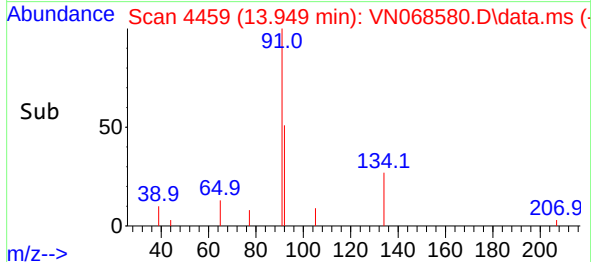
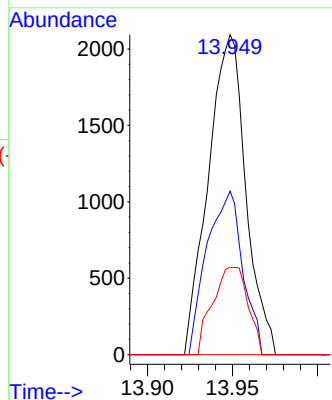
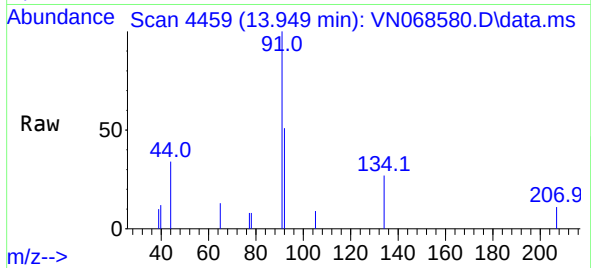




#89
n-Butylbenzene
Concen: 0.213 ug/l
RT: 13.949 min Scan# 4459
Delta R.T. 0.003 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

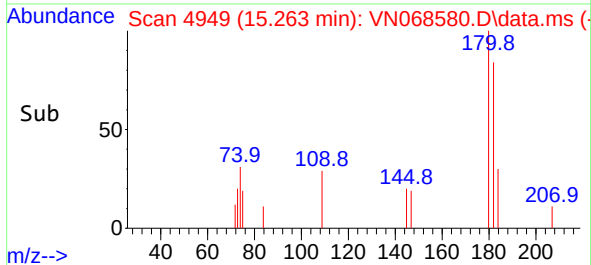
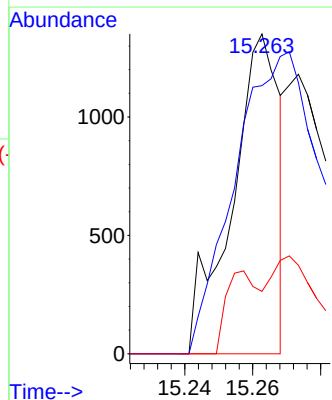
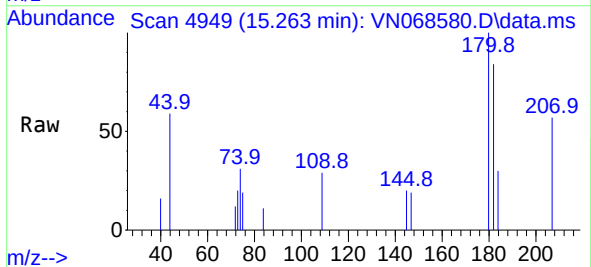
Instrument :
MSVOA_N
ClientSampleId :
TB01-20210915

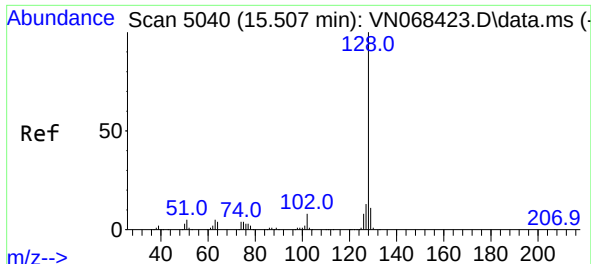
Tgt Ion:	91	Resp:	3212
Ion	Ratio	Lower	Upper
91	100		
92	48.8	26.0	78.0
134	25.7	15.4	46.2



#93
1,2,4-Trichlorobenzene
Concen: 3.145 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

Tgt Ion:	180	Resp:	1299
Ion	Ratio	Lower	Upper
180	100		
182	0.0	47.5	142.6#
145	18.4	14.1	42.4

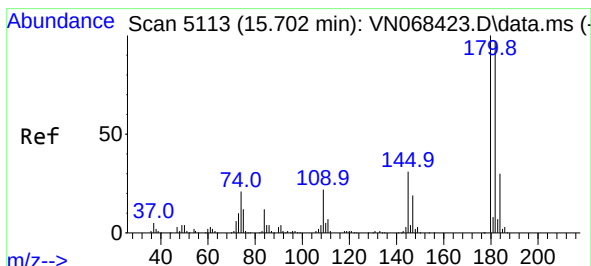
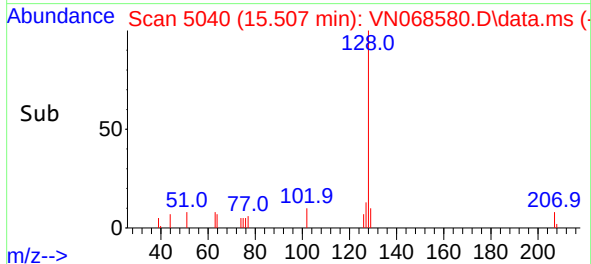
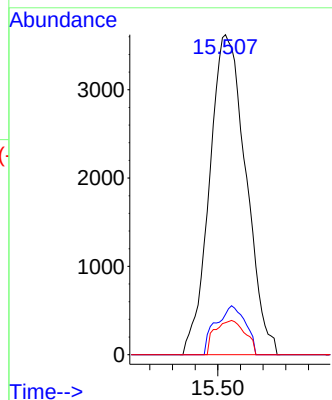
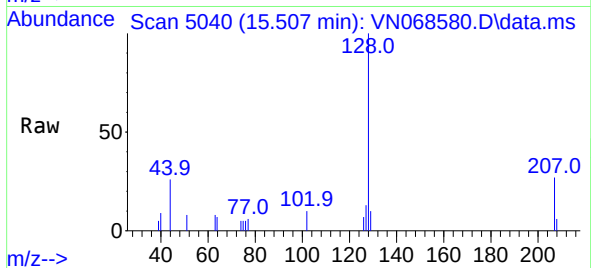




#95
Naphthalene
Concen: 4.034 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

Instrument :
MSVOA_N
ClientSampled :
TB01-20210915

Tgt Ion:	128	Resp:	8060
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.6	15.8
129	8.9	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 3.382 ug/l
RT: 15.705 min Scan# 5114
Delta R.T. 0.003 min
Lab File: VN068580.D
Acq: 21 Sep 2021 14:20

Tgt Ion:	180	Resp:	2693
Ion	Ratio	Lower	Upper
180	100		
182	102.7	47.9	143.6
145	30.8	15.2	45.5

