

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092021\
 Data File : VN068567.D
 Acq On : 20 Sep 2021 20:26
 Operator : JC/MD
 Sample : M3781-12DL 5X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D4-20210916DL

Quant Time: Sep 21 07:30:18 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)

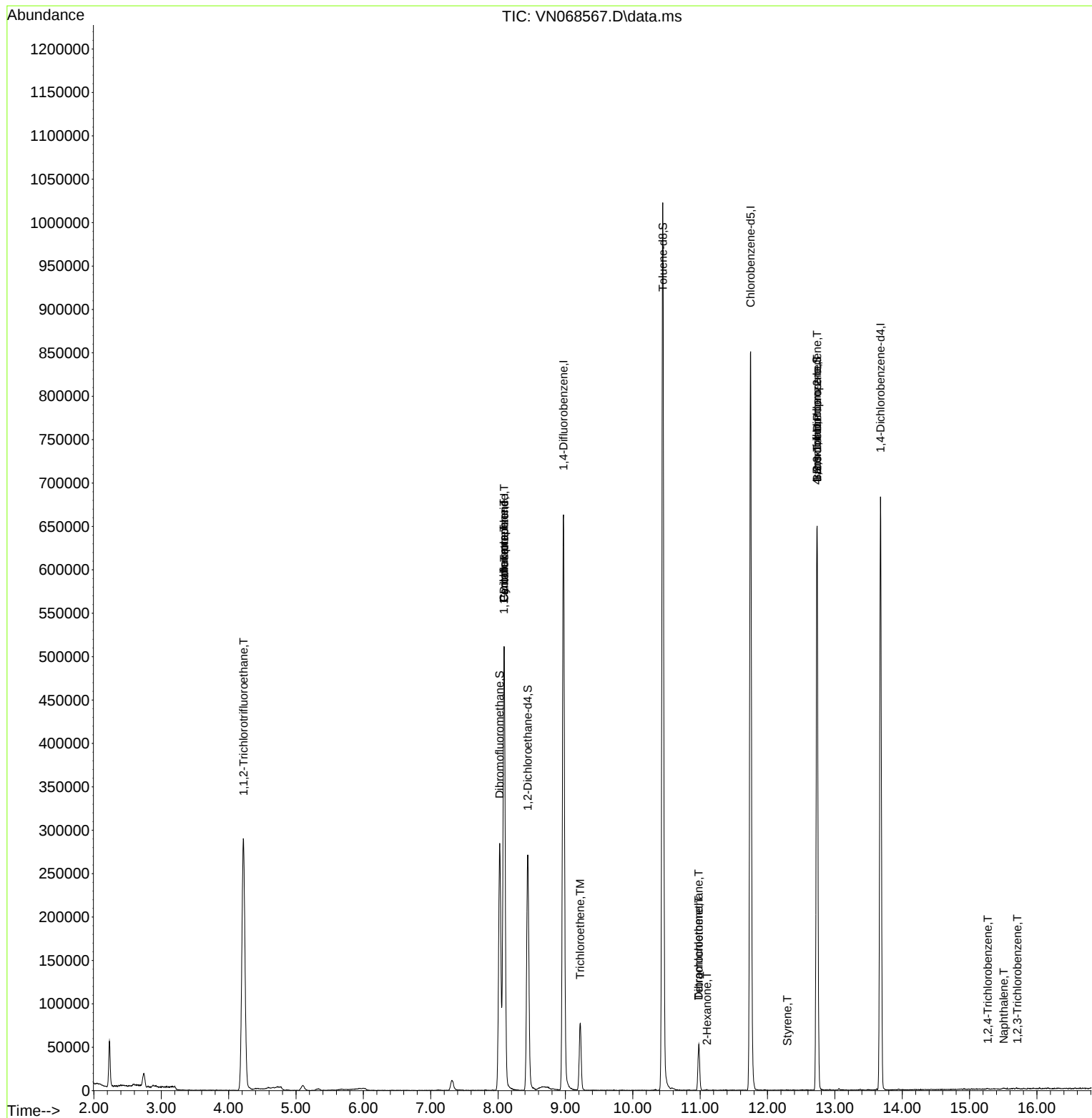
Internal Standards						
1) Pentafluorobenzene	8.091	168	435491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	652038	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	557196	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	205482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	230260	57.640	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 115.280%			
35) Dibromofluoromethane	8.024	113	208980	53.140	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.280%			
50) Toluene-d8	10.446	98	780102	48.483	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 96.960%			
62) 4-Bromofluorobenzene	12.734	95	224156	42.812	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 85.620%			
Target Compounds						
3) Chloromethane	2.303	50	611	Below Cal	#	42
5) Bromomethane	2.845	94	24	Below Cal	#	3
9) 1,1,2-Trichlorotrifluo...	4.221	101	191176	51.154	ug/l	95
11) Tert butyl alcohol	5.321	59	1411	Below Cal	#	84
16) Acetone	4.310	43	1880	Below Cal		93
18) Methyl Acetate	4.867	43	439	Below Cal	#	45
31) Cyclohexane	8.088	56	7239	1.196	ug/l #	30
36) 1,1-Dichloropropene	8.086	75	27751	5.105	ug/l #	41
38) Carbon Tetrachloride	8.091	117	39714	6.098	ug/l #	15
44) Trichloroethene	9.218	130	30356	5.958	ug/l	100
59) 2-Hexanone	11.100	43	758	0.272	ug/l #	39
60) Dibromochloromethane	10.980	129	11898	3.778	ug/l #	11
64) Tetrachloroethene	10.980	164	13006	2.634	ug/l	93
70) Styrene	12.296	104	51	1.758	ug/l #	27
71) Bromoform	12.736	173	1888	2.948	ug/l #	1
76) 1,2,3-Trichloropropane	12.736	75	110336	38.801	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.736	75	110336	119.001	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.271	180	513	3.085	ug/l #	48
95) Naphthalene	15.507	128	1685	3.689	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.708	180	445	3.090	ug/l #	77

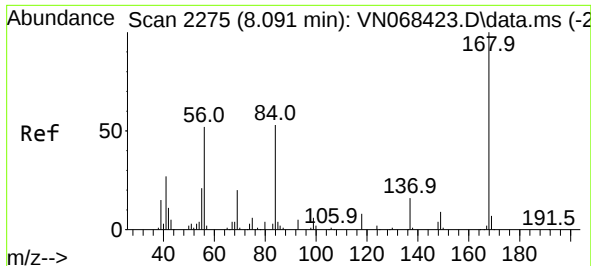
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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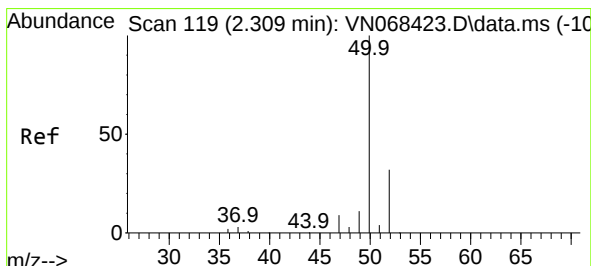
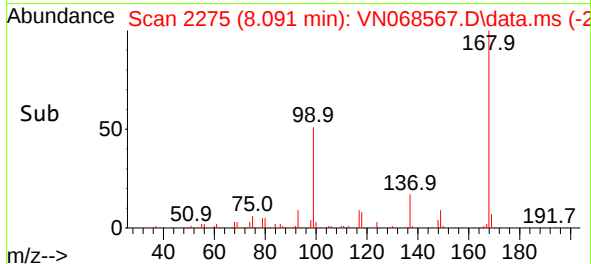
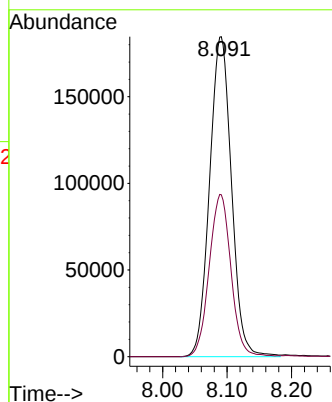
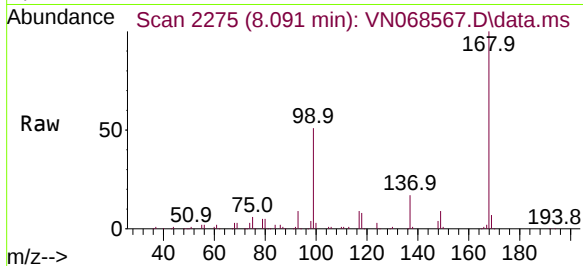




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.000 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

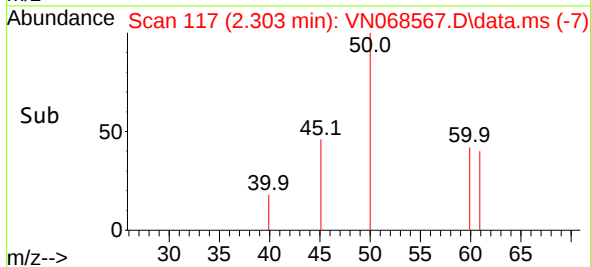
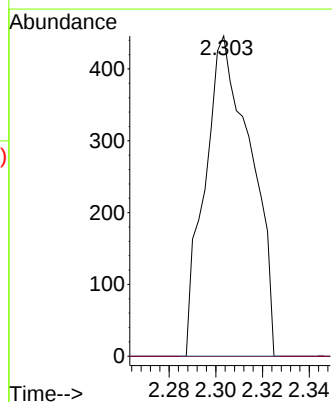
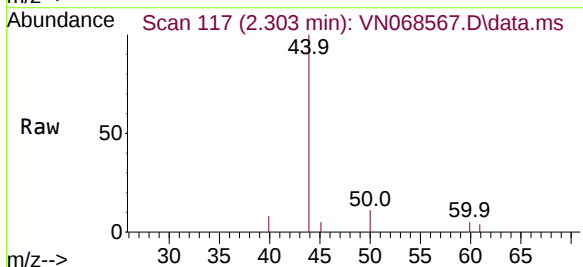
Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20210916DL

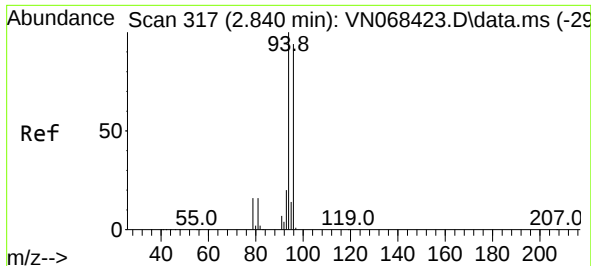
Tgt Ion:168 Resp: 435491
Ion Ratio Lower Upper
168 100
99 50.6 38.2 57.4



#3
Chloromethane
Concen: Below Cal
RT: 2.303 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

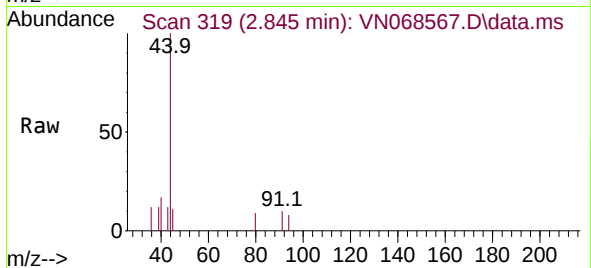
Tgt Ion: 50 Resp: 611
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#



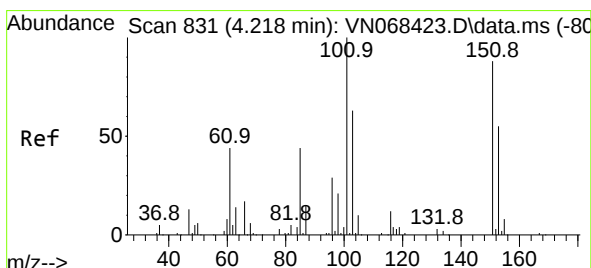
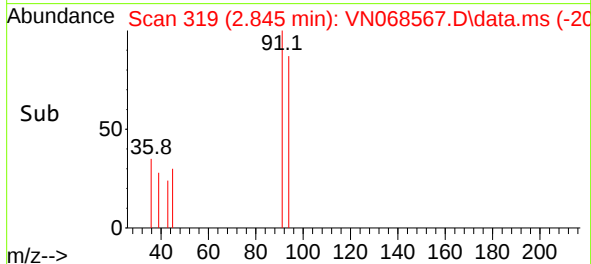
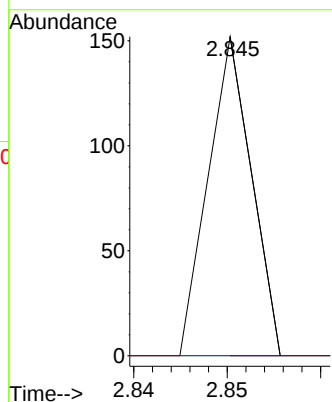


#5
Bromomethane
Concen: Below Cal
RT: 2.845 min Scan# 319
Delta R.T. 0.005 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20210916DL

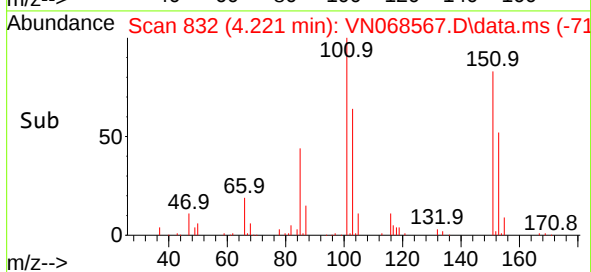
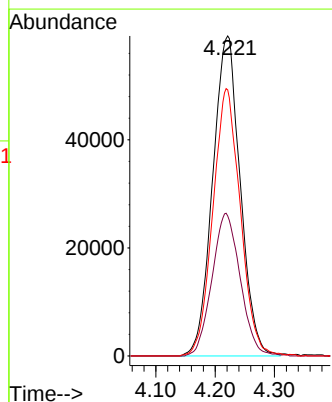
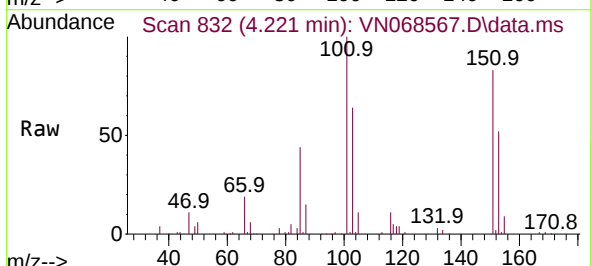


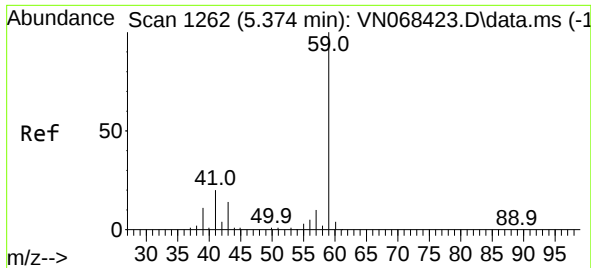
Tgt Ion: 94 Resp: 24
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.154 ug/l
RT: 4.221 min Scan# 832
Delta R.T. 0.003 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

Tgt Ion: 101 Resp: 191176
Ion Ratio Lower Upper
101 100
85 45.6 35.7 53.5
151 83.2 71.6 107.4

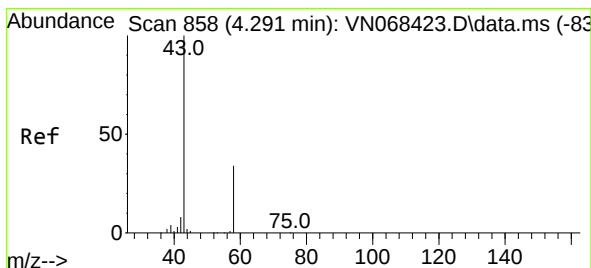
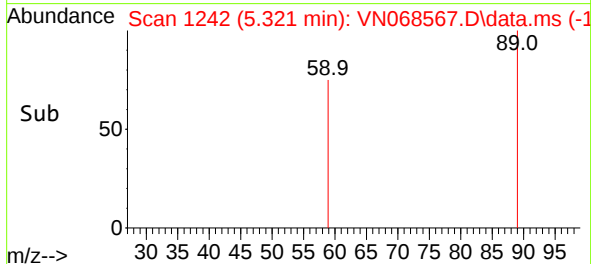
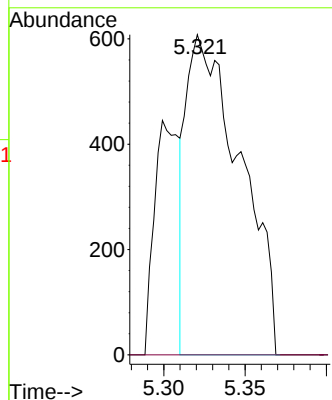
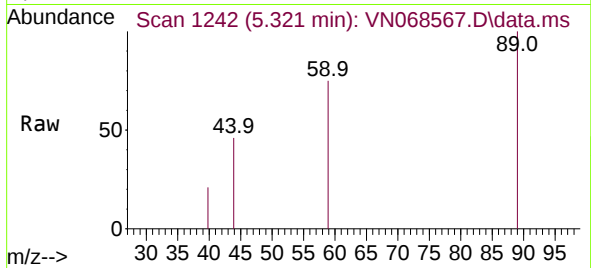




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.321 min Scan# 1242
Delta R.T. -0.053 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

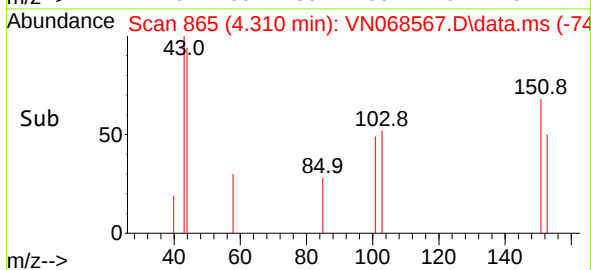
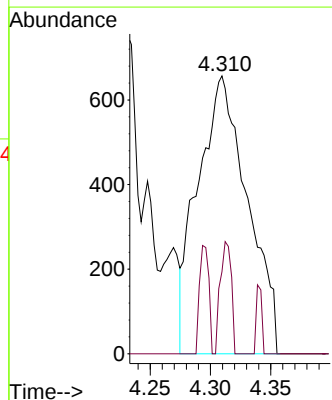
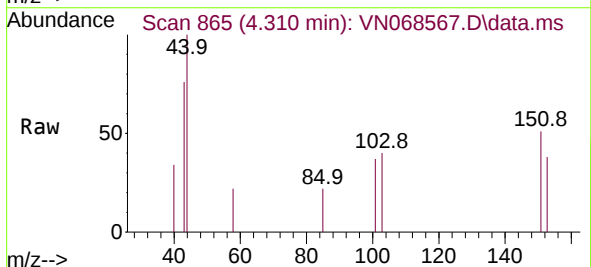
Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20210916DL

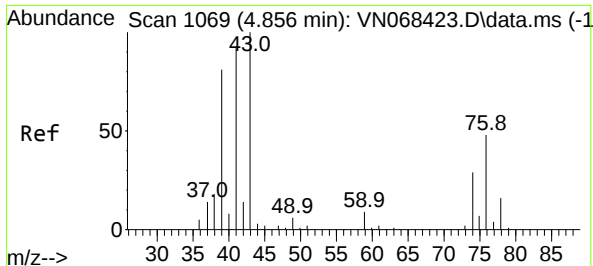
Tgt Ion: 59 Resp: 1411
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#



#16
Acetone
Concen: Below Cal
RT: 4.310 min Scan# 865
Delta R.T. 0.019 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

Tgt Ion: 43 Resp: 1880
Ion Ratio Lower Upper
43 100
58 29.5 27.0 40.6

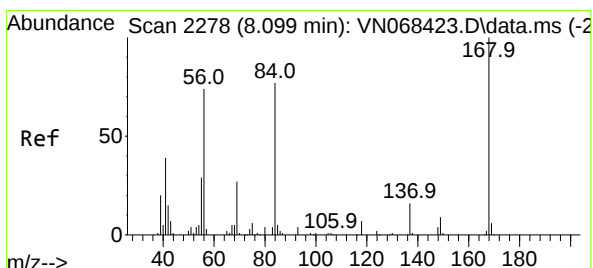
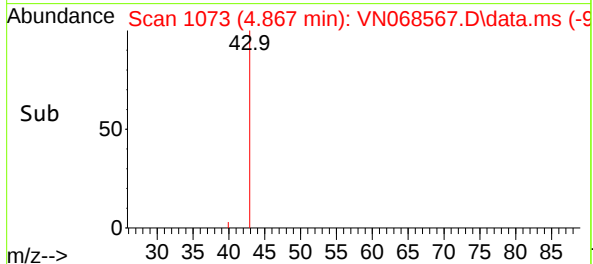
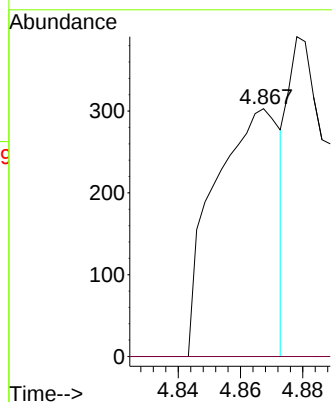
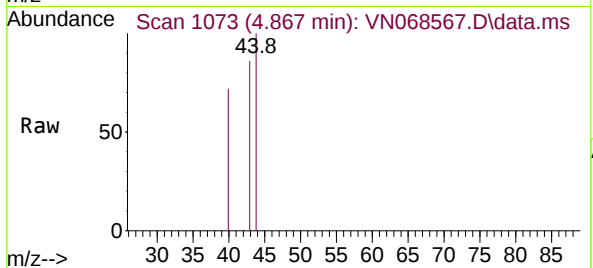




#18
Methyl Acetate
Concen: Below Cal
RT: 4.867 min Scan# 1073
Delta R.T. 0.011 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

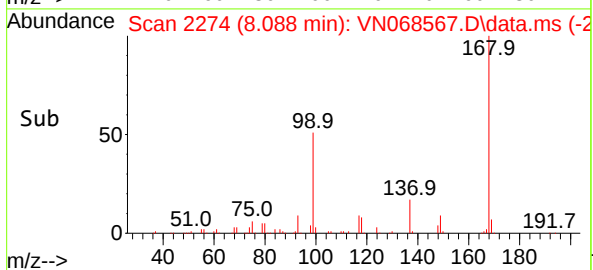
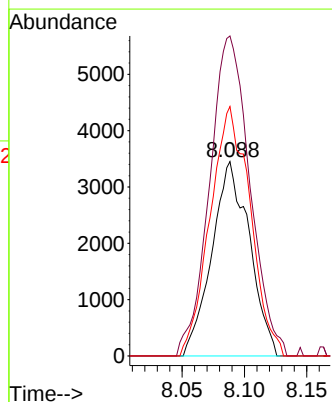
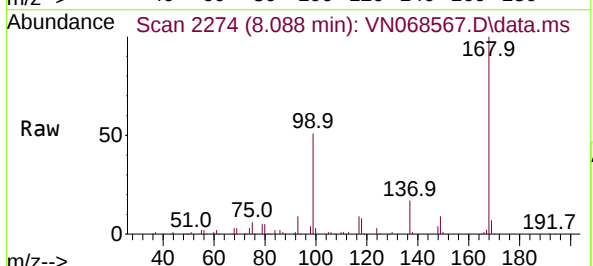
Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20210916DL

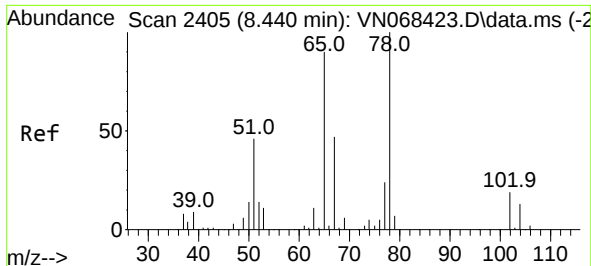
Tgt Ion: 43 Resp: 439
Ion Ratio Lower Upper
43 100
74 0.0 23.5 35.3#



#31
Cyclohexane
Concen: 1.196 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.011 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

Tgt Ion: 56 Resp: 7239
Ion Ratio Lower Upper
56 100
69 157.5 29.4 44.0#
84 128.3 83.6 125.4#



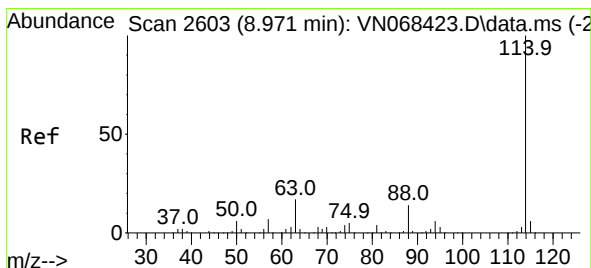
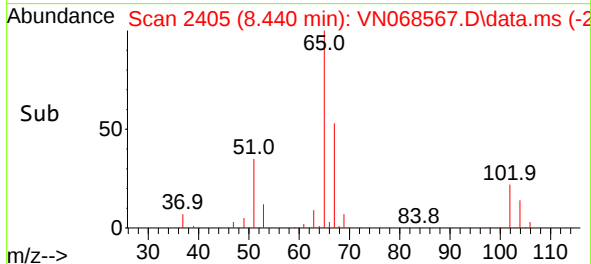
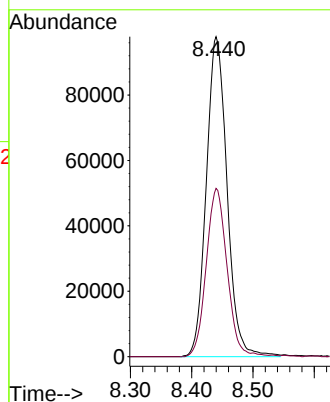
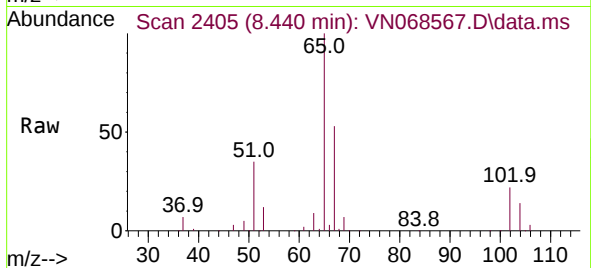


#33

1,2-Dichloroethane-d4
Concen: 57.640 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. -0.000 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20210916DL

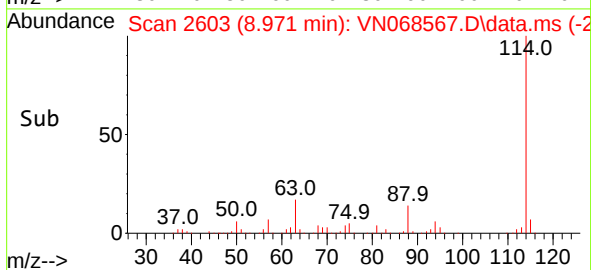
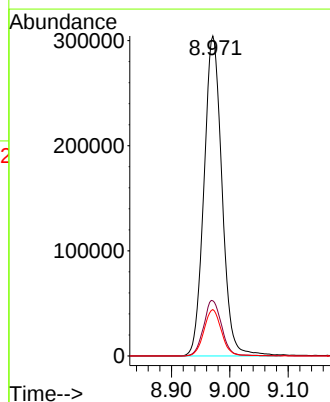
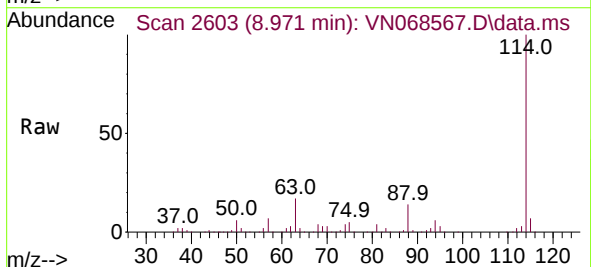
Tgt Ion: 65 Resp: 230260
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.0

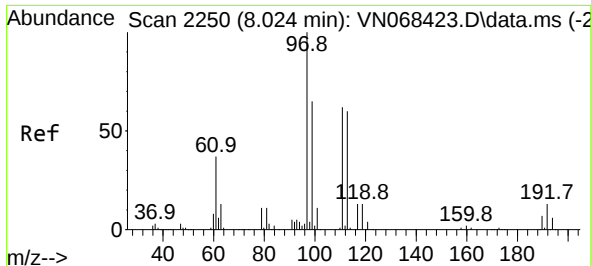


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

Tgt Ion: 114 Resp: 652038
Ion Ratio Lower Upper
114 100
63 17.3 0.0 33.2
88 14.5 0.0 28.4

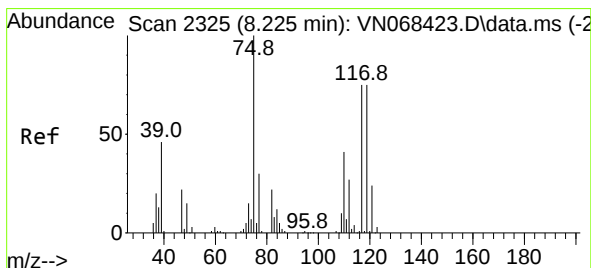
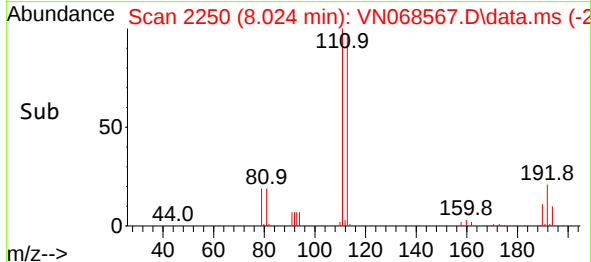
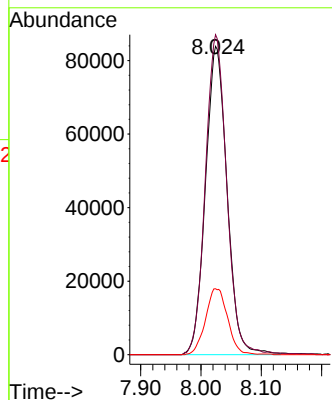
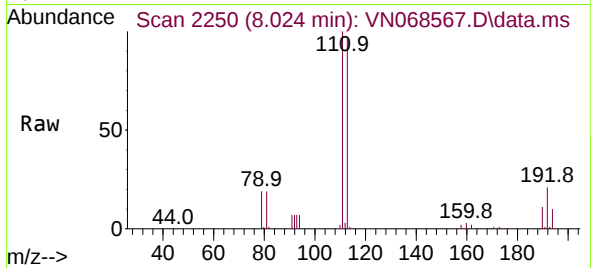




#35
Dibromofluoromethane
Concen: 53.140 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

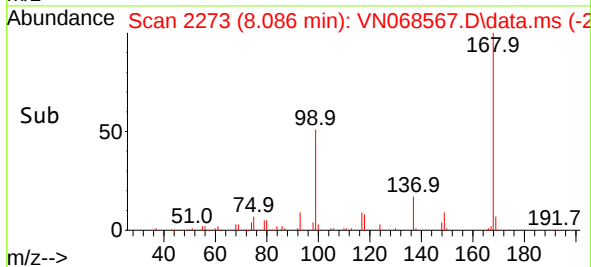
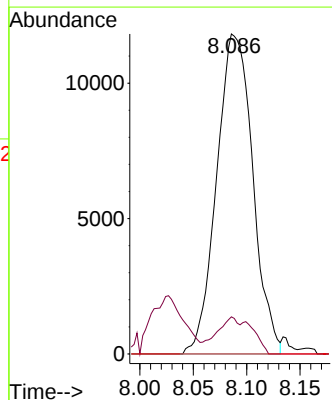
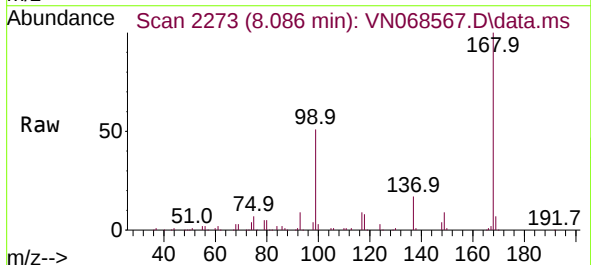
Instrument :
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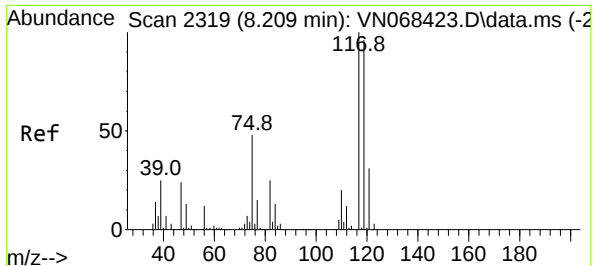
Tgt Ion:113 Resp: 208980
Ion Ratio Lower Upper
113 100
111 102.1 81.1 121.7
192 21.8 17.7 26.5



#36
1,1-Dichloropropene
Concen: 5.105 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.139 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

Tgt Ion: 75 Resp: 27751
Ion Ratio Lower Upper
75 100
110 3.9 20.8 62.5#
77 0.0 25.0 37.6#

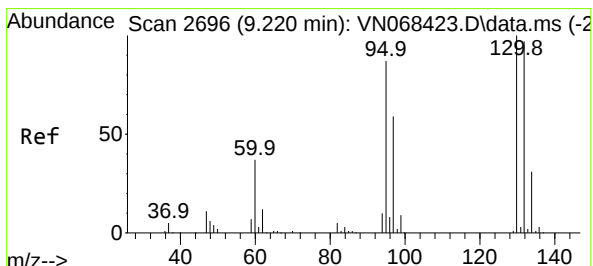
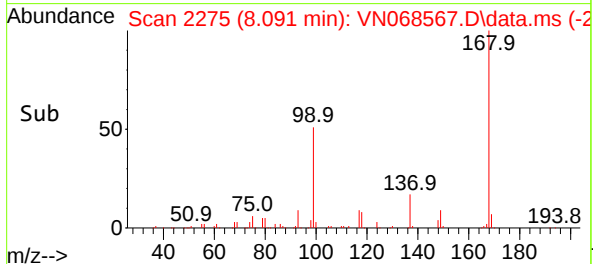
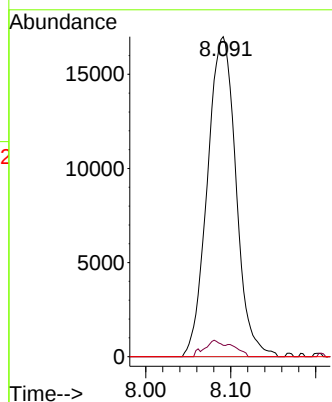
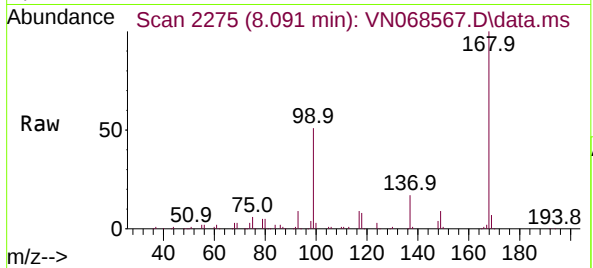




#38
Carbon Tetrachloride
Concen: 6.098 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.118 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

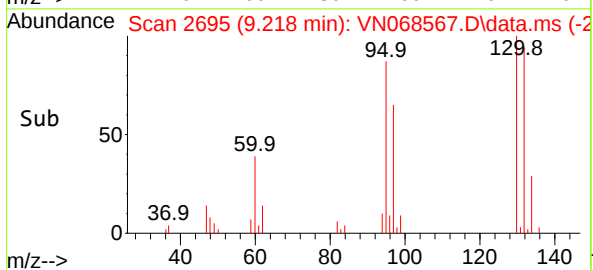
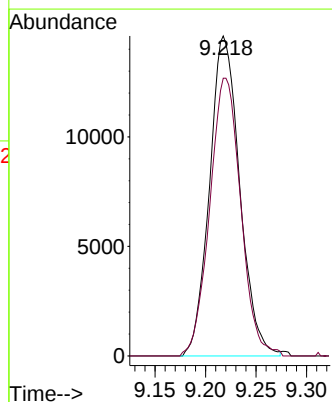
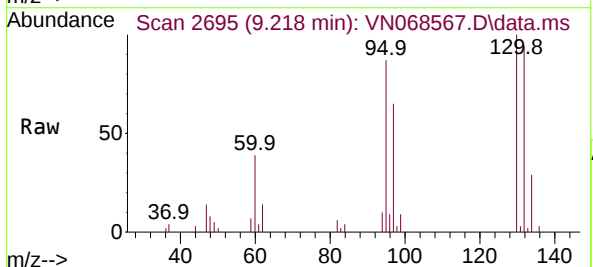
Instrument :
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RE134D4-20210916DL

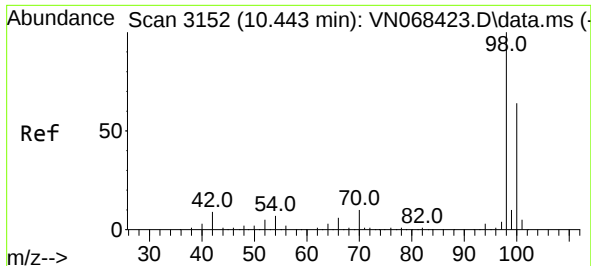
Tgt Ion:117 Resp: 39714
Ion Ratio Lower Upper
117 100
119 3.5 76.6 114.8#
121 0.0 24.5 36.7#



#44
Trichloroethene
Concen: 5.958 ug/l
RT: 9.218 min Scan# 2695
Delta R.T. -0.002 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

Tgt Ion:130 Resp: 30356
Ion Ratio Lower Upper
130 100
95 86.8 0.0 173.8

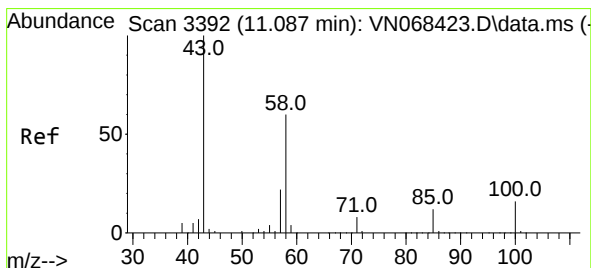
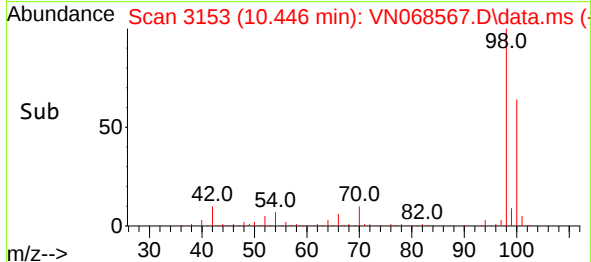
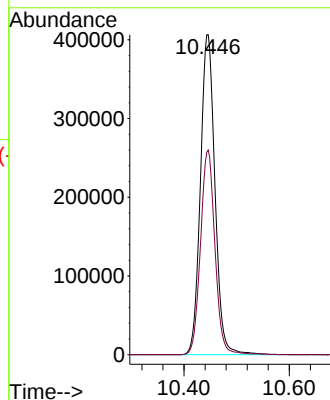
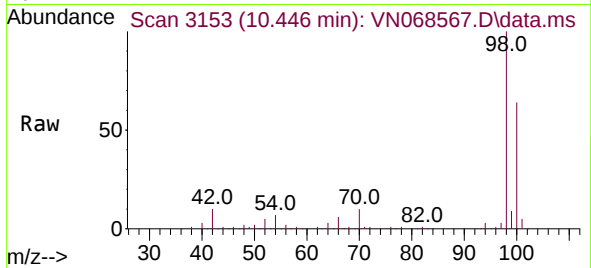




#50
Toluene-d8
Concen: 48.483 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

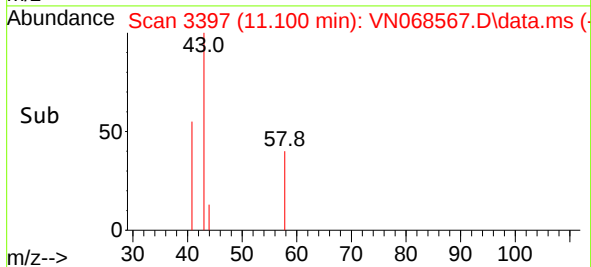
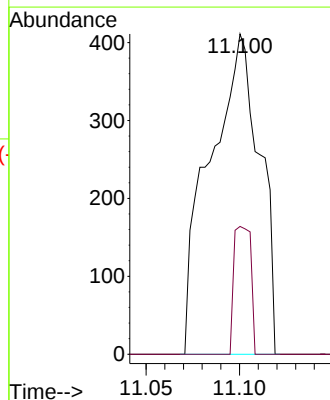
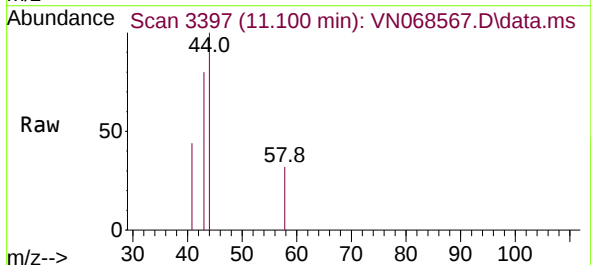
Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20210916DL

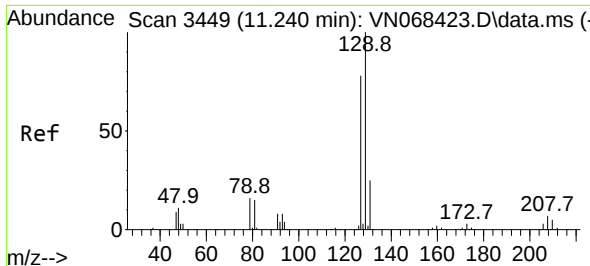
Tgt Ion: 98 Resp: 780102
Ion Ratio Lower Upper
98 100
100 63.5 51.0 76.6



#59
2-Hexanone
Concen: 0.272 ug/l
RT: 11.100 min Scan# 3397
Delta R.T. 0.013 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

Tgt Ion: 43 Resp: 758
Ion Ratio Lower Upper
43 100
58 13.6 30.0 90.1#

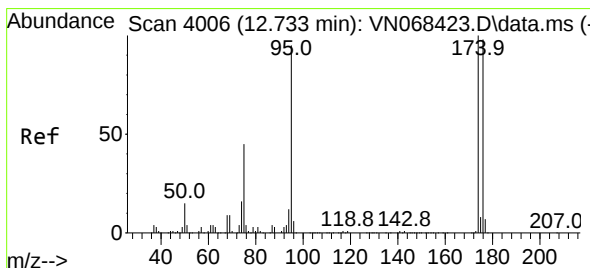
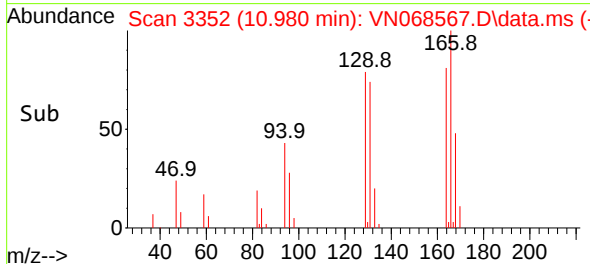
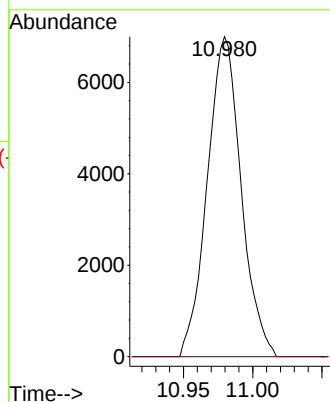
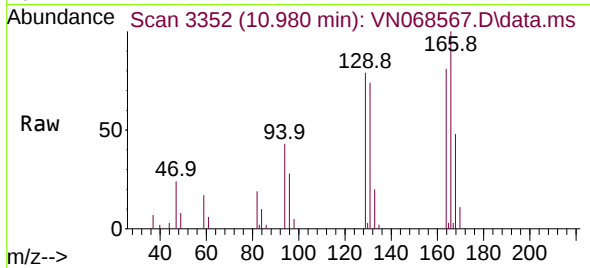




#60
Dibromochloromethane
Concen: 3.778 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. -0.260 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

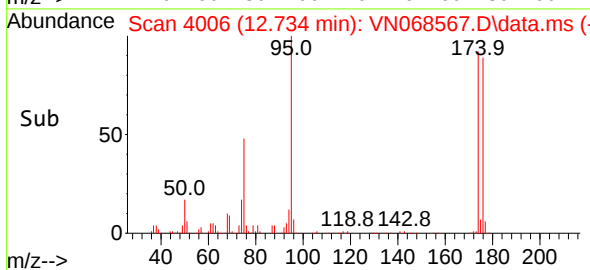
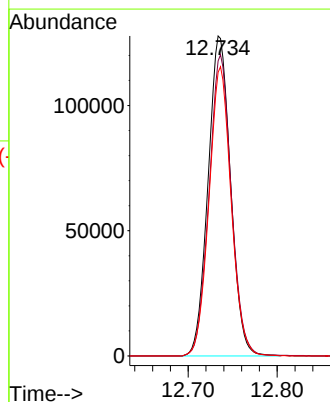
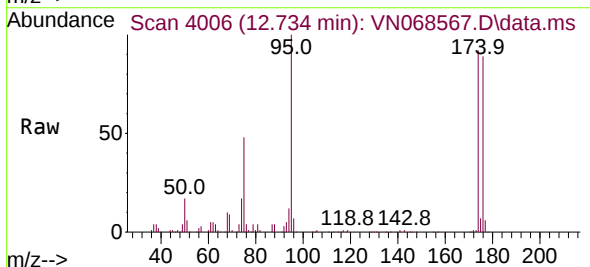
Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20210916DL

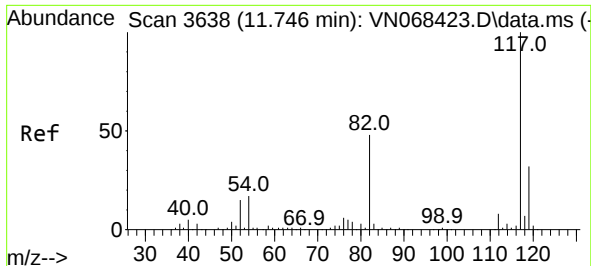
Tgt Ion:129 Resp: 11898
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 42.812 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

Tgt Ion: 95 Resp: 224156
Ion Ratio Lower Upper
95 100
174 93.4 0.0 214.0
176 89.1 0.0 205.4

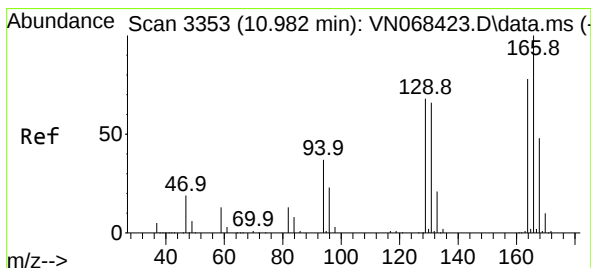
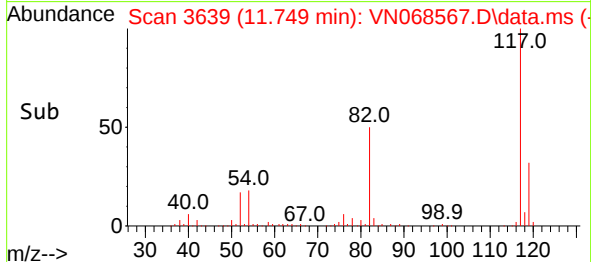
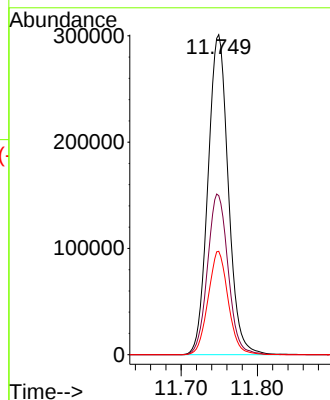
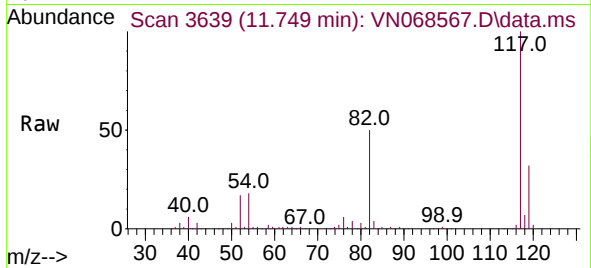




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

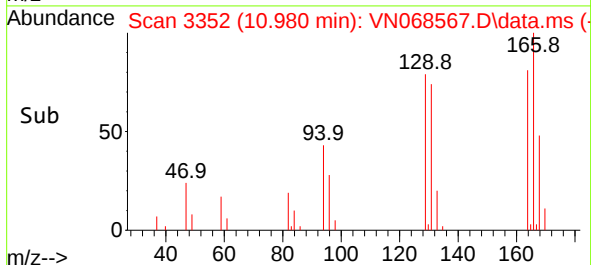
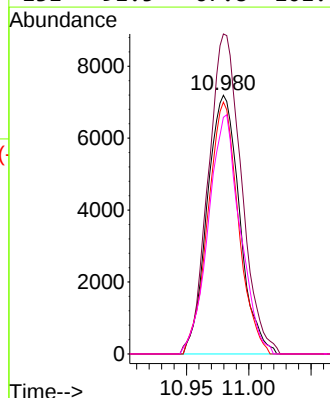
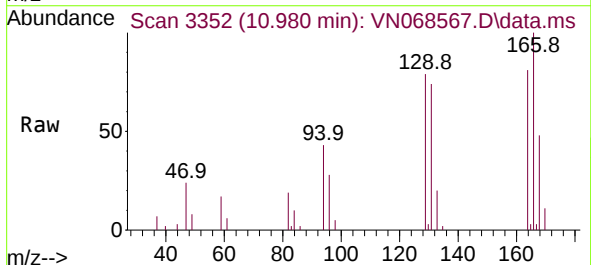
Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20210916DL

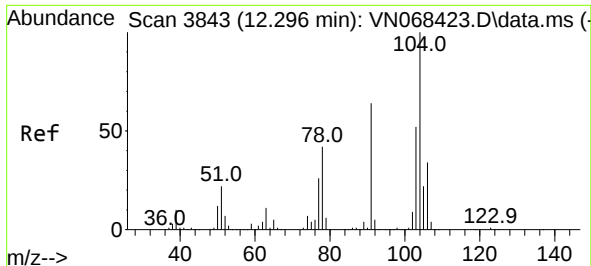
Tgt Ion:117 Resp: 557196
Ion Ratio Lower Upper
117 100
82 49.7 38.7 58.1
119 32.3 25.5 38.3



#64
Tetrachloroethene
Concen: 2.634 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. -0.002 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

Tgt Ion:164 Resp: 13006
Ion Ratio Lower Upper
164 100
166 123.7 102.9 154.3
129 97.3 70.1 105.1
131 91.5 67.8 101.6

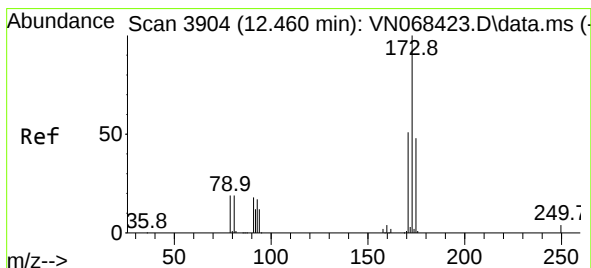
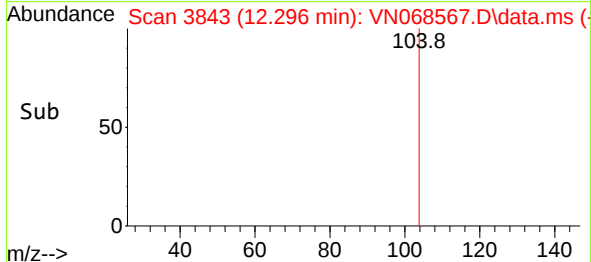
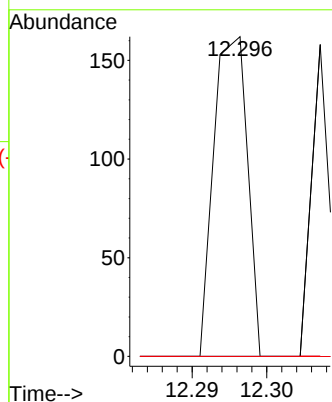
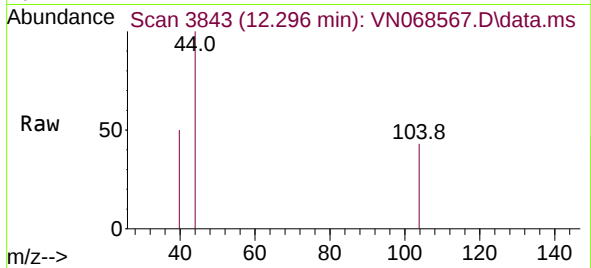




#70
Styrene
Concen: 1.758 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

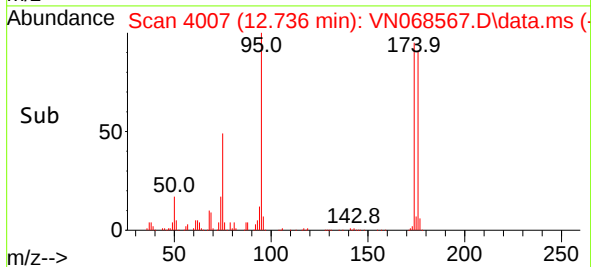
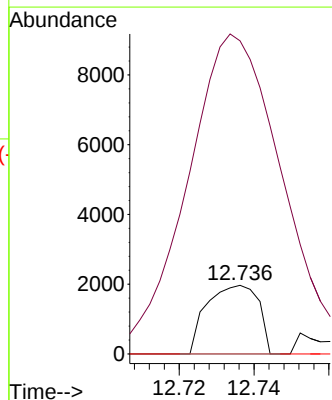
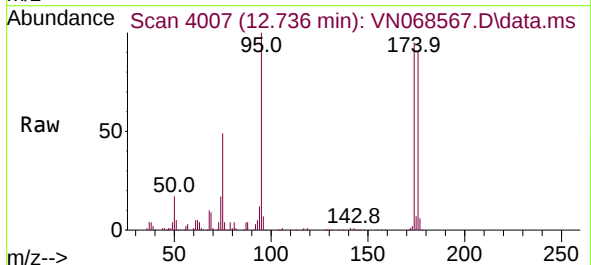
Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20210916DL

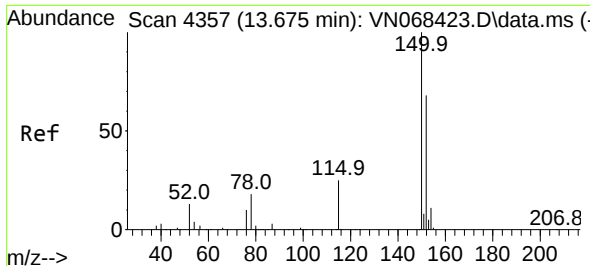
Tgt Ion:104 Resp: 51
Ion Ratio Lower Upper
104 100
78 0.0 36.2 54.2#
103 0.0 44.4 66.6#



#71
Bromoform
Concen: 2.948 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.276 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

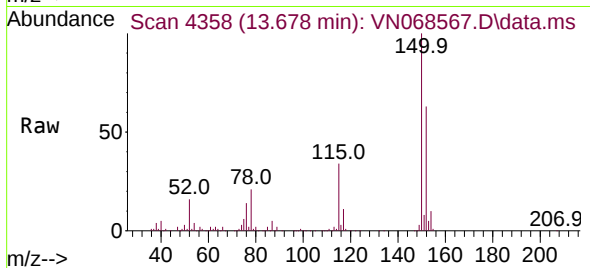
Tgt Ion:173 Resp: 1888
Ion Ratio Lower Upper
173 100
175 777.0 24.1 72.3#
254 0.0 0.0 0.0



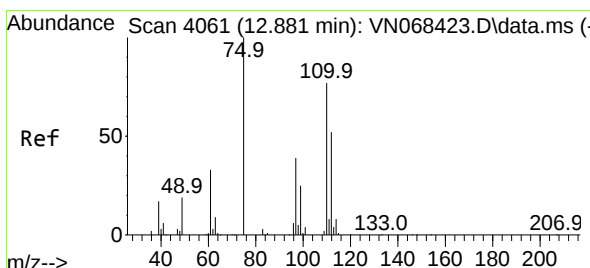
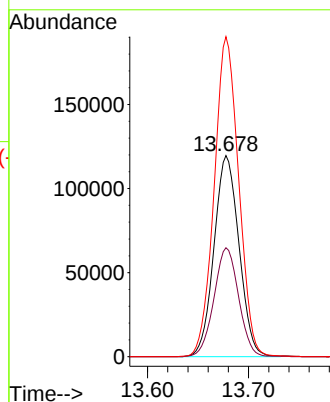
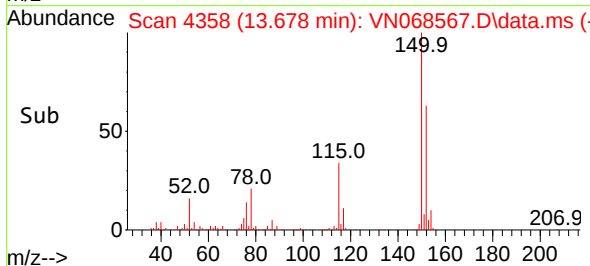


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

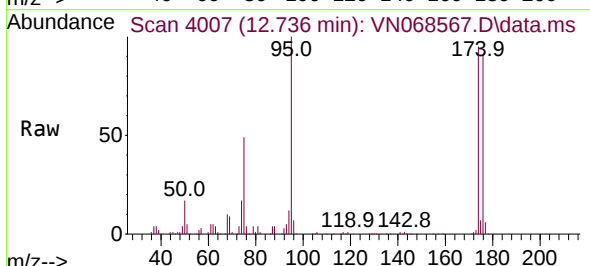
Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20210916DL



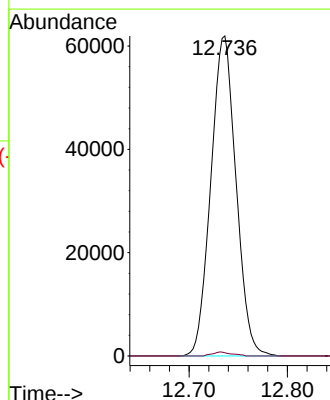
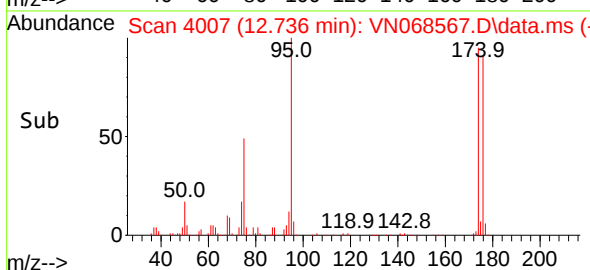
Tgt Ion:152 Resp: 205482
Ion Ratio Lower Upper
152 100
115 53.4 25.6 76.6
150 155.9 0.0 346.8

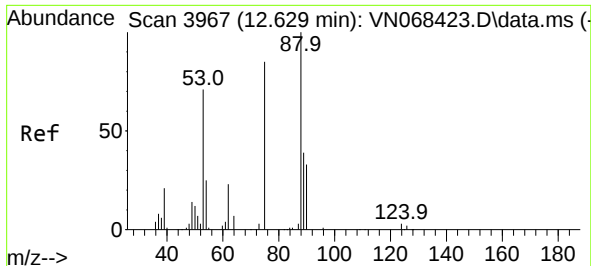


#76
1,2,3-Trichloropropane
Concen: 38.801 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.145 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26



Tgt Ion: 75 Resp: 110336
Ion Ratio Lower Upper
75 100
77 1.0 100.9 302.7#

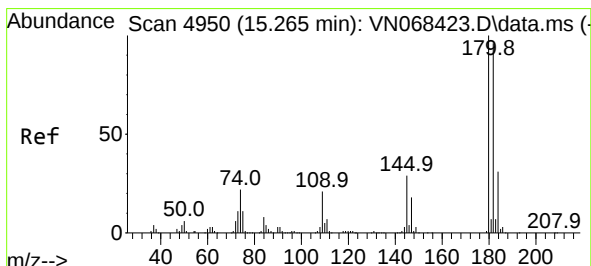
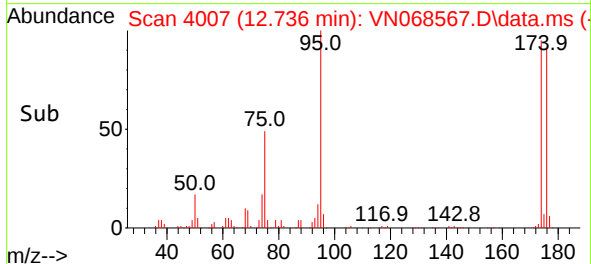
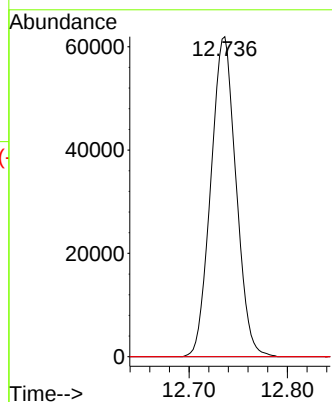
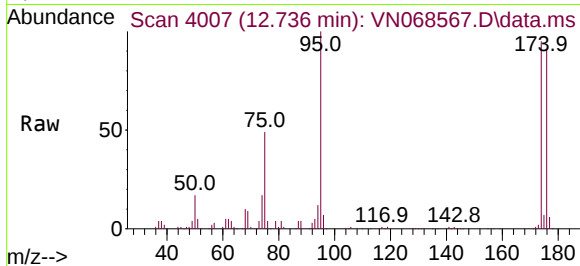




#81
trans-1,4-Dichloro-2-butene
Concen: 119.001 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

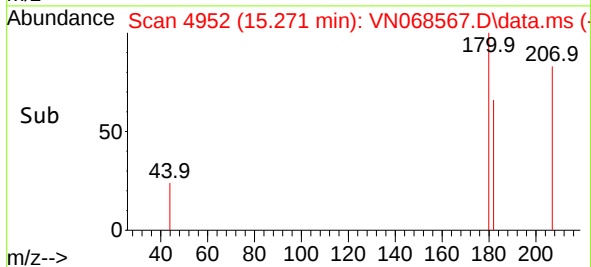
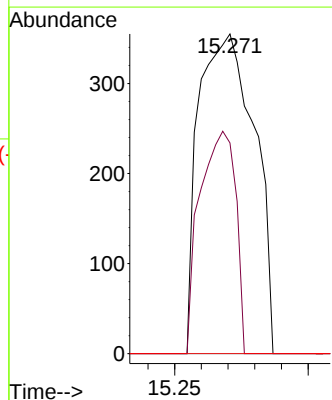
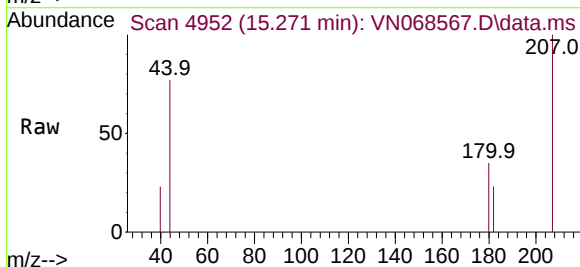
Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20210916DL

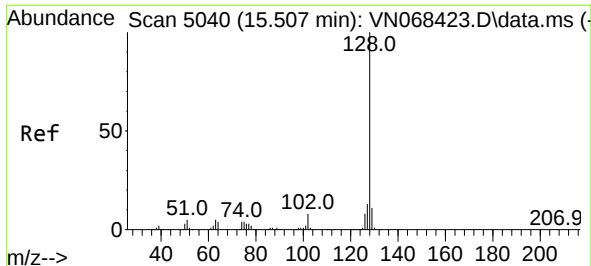
Tgt Ion: 75 Resp: 110336
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#



#93
1,2,4-Trichlorobenzene
Concen: 3.085 ug/l
RT: 15.271 min Scan# 4952
Delta R.T. 0.006 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

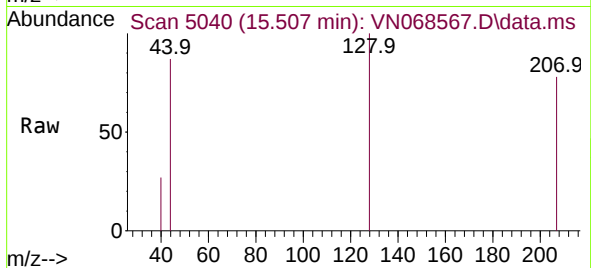
Tgt Ion:180 Resp: 513
Ion Ratio Lower Upper
180 100
182 44.8 47.5 142.6#
145 0.0 14.1 42.4#



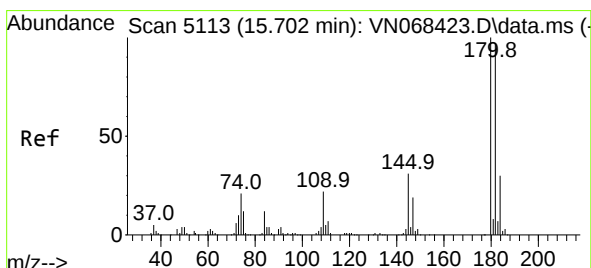
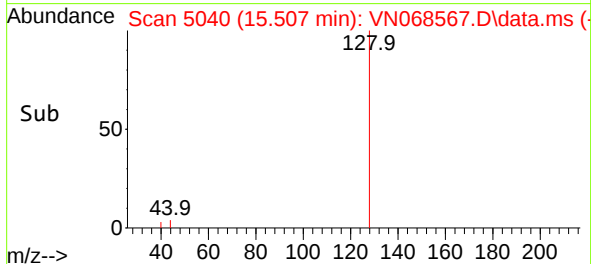
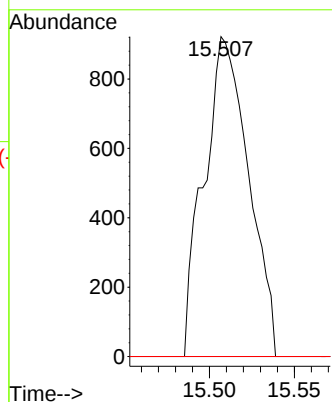


#95
Naphthalene
Concen: 3.689 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26

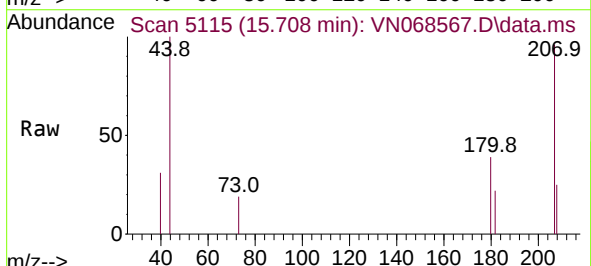
Instrument :
MSVOA_N
ClientSampleId :
RE134D4-20210916DL



Tgt Ion:128 Resp: 1685
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 3.090 ug/l
RT: 15.708 min Scan# 5115
Delta R.T. 0.006 min
Lab File: VN068567.D
Acq: 20 Sep 2021 20:26



Tgt Ion:180 Resp: 445
Ion Ratio Lower Upper
180 100
182 83.8 47.9 143.6
145 0.0 15.2 45.5#

