

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092121\
 Data File : VN068588.D
 Acq On : 21 Sep 2021 17:42
 Operator : JC/MD
 Sample : M3781-16DL 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D3-20210916DL

Quant Time: Sep 21 18:16:42 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)

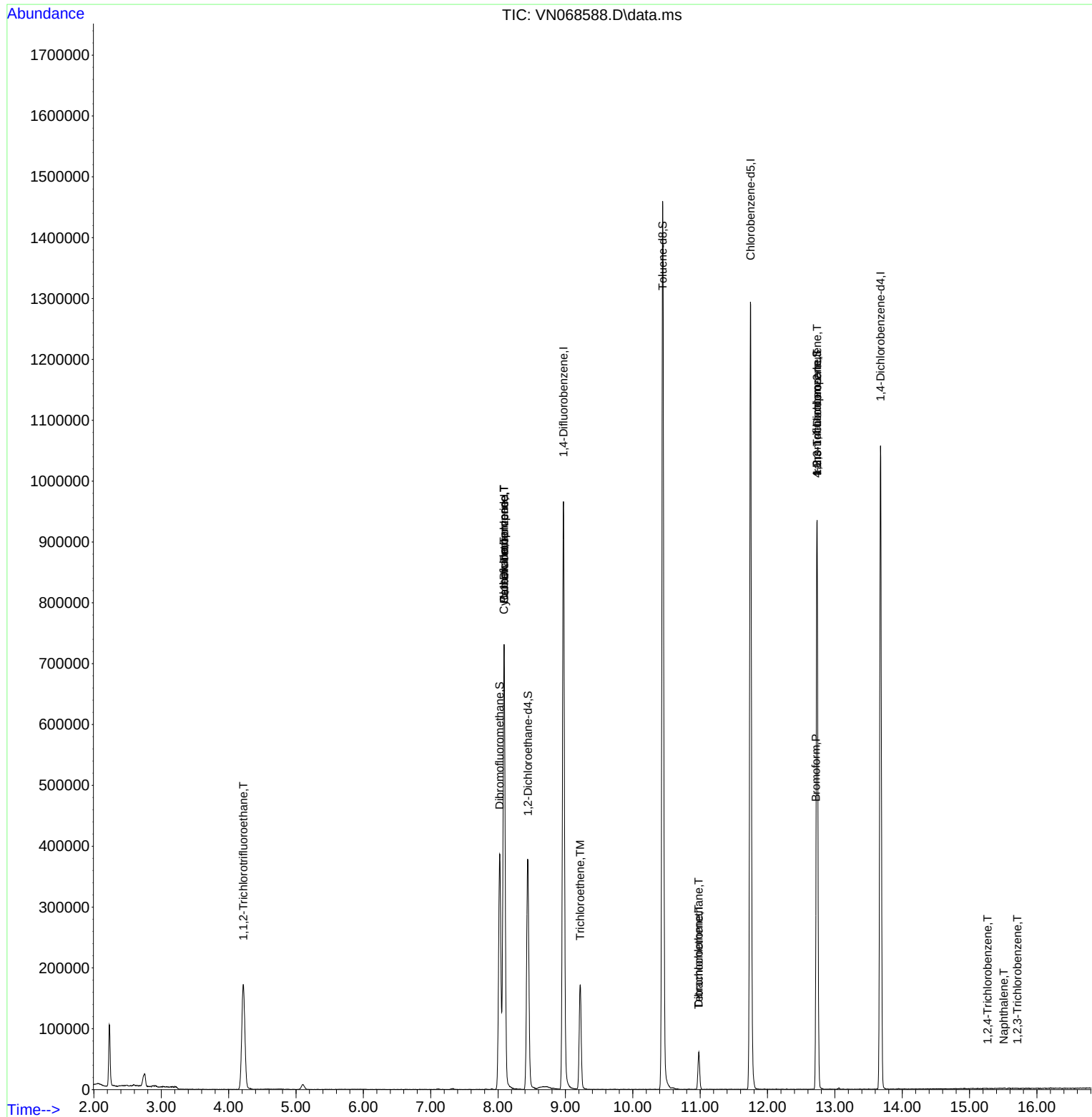
Internal Standards						
1) Pentafluorobenzene	8.091	168	586834	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	917889	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	813118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	305938	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.442	65	322293	59.872	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 119.740%			
35) Dibromofluoromethane	8.024	113	283911	51.284	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.560%			
50) Toluene-d8	10.443	98	1099576	48.540	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 97.080%			
62) 4-Bromofluorobenzene	12.734	95	319622	43.311	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 86.620%			
Target Compounds						
3) Chloromethane	2.306	50	646	Below Cal	#	86
5) Bromomethane	2.880	94	1667	Below Cal		88
9) 1,1,2-Trichlorotrifluo...	4.218	101	114129	22.662	ug/l	96
11) Tert butyl alcohol	5.310	59	26	Below Cal	#	84
16) Acetone	4.301	43	950	Below Cal	#	41
18) Methyl Acetate	4.862	43	606	Below Cal	#	45
20) Methylene Chloride	5.098	84	3856	Below Cal		88
31) Cyclohexane	8.086	56	11425	1.401	ug/l #	46
36) 1,1-Dichloropropene	8.088	75	40782	5.329	ug/l #	47
38) Carbon Tetrachloride	8.091	117	57790	6.304	ug/l #	17
44) Trichloroethene	9.220	130	67613	9.427	ug/l	91
60) Dibromochloromethane	10.980	129	14084	3.464	ug/l #	11
64) Tetrachloroethene	10.977	164	14220	1.973	ug/l	91
71) Bromoform	12.720	173	251	2.565	ug/l #	29
76) 1,2,3-Trichloropropane	12.736	75	163777	38.680	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.736	75	163777	118.639	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.268	180	124	2.980	ug/l #	81
95) Naphthalene	15.507	128	654	3.547	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.708	180	117	2.995	ug/l #	50

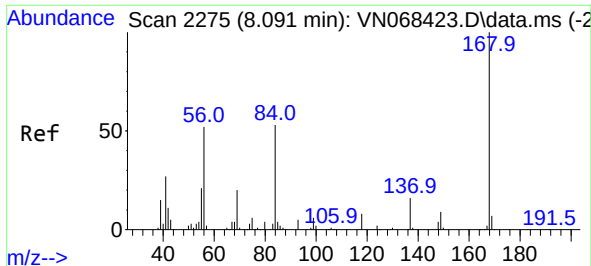
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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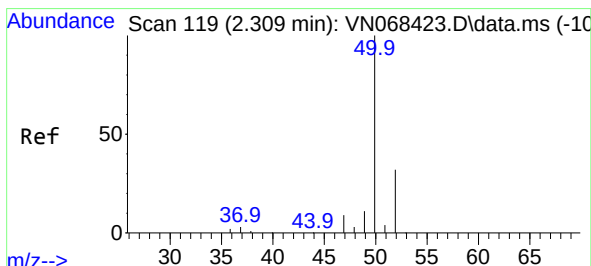
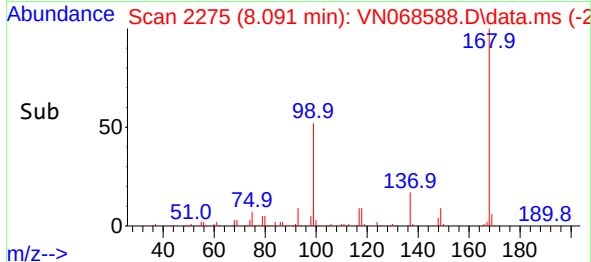
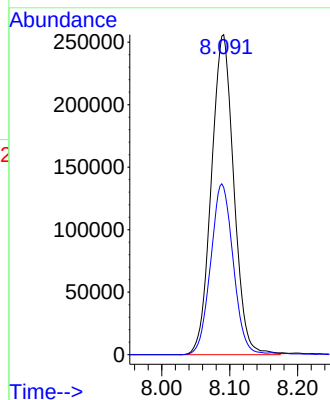
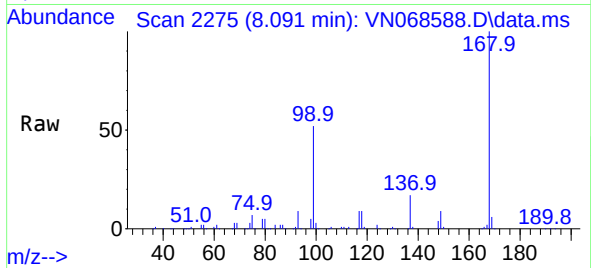




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.000 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

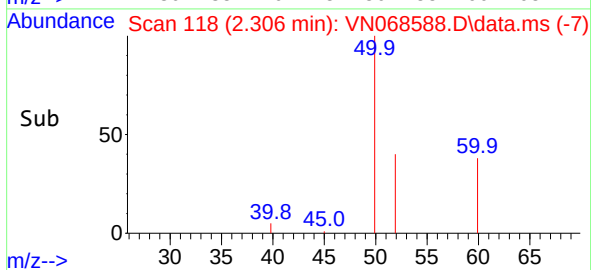
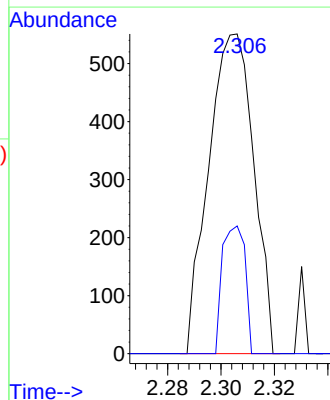
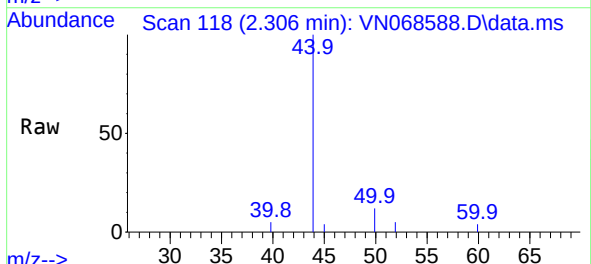
Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20210916DL

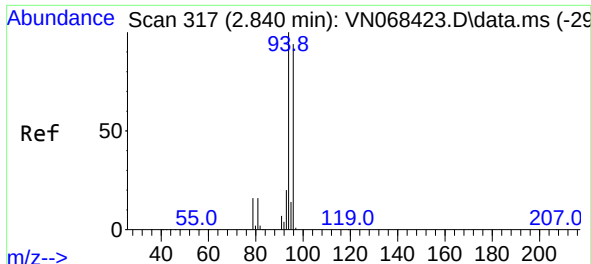
Tgt Ion:168 Resp: 586834
Ion Ratio Lower Upper
168 100
99 52.3 38.2 57.4



#3
Chloromethane
Concen: Below Cal
RT: 2.306 min Scan# 118
Delta R.T. -0.003 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

Tgt Ion: 50 Resp: 646
Ion Ratio Lower Upper
50 100
52 39.9 25.8 38.6#

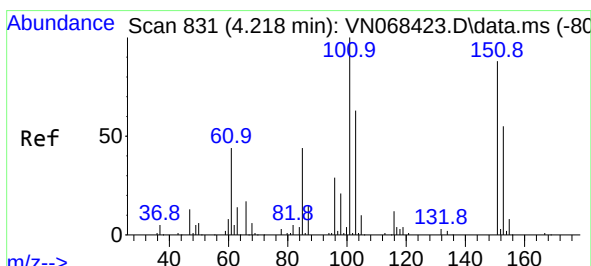
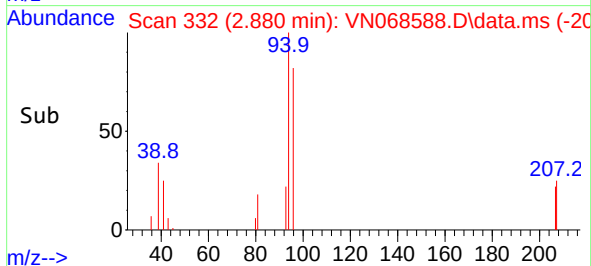
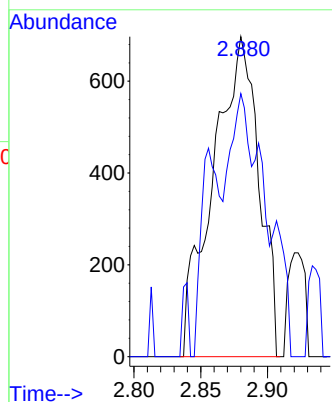
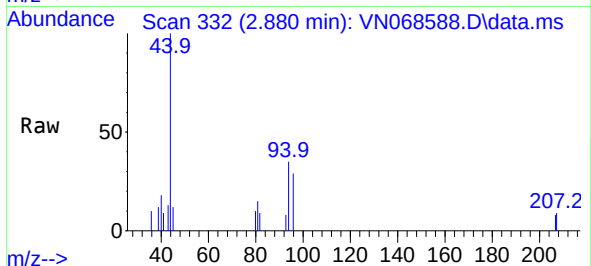




#5
Bromomethane
Concen: Below Cal
RT: 2.880 min Scan# 332
Delta R.T. 0.040 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

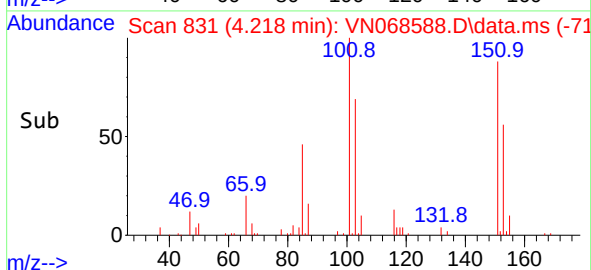
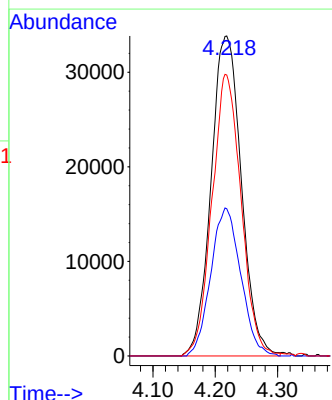
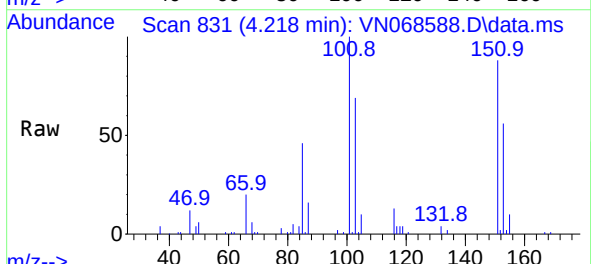
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ClientSampleId :
RE134D3-20210916DL

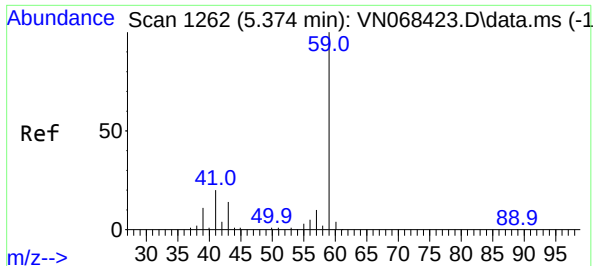
Tgt Ion: 94 Resp: 1667
Ion Ratio Lower Upper
94 100
96 82.2 75.4 113.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 22.662 ug/l
RT: 4.218 min Scan# 831
Delta R.T. 0.000 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

Tgt Ion:101 Resp: 114129
Ion Ratio Lower Upper
101 100
85 45.9 35.7 53.5
151 84.9 71.6 107.4

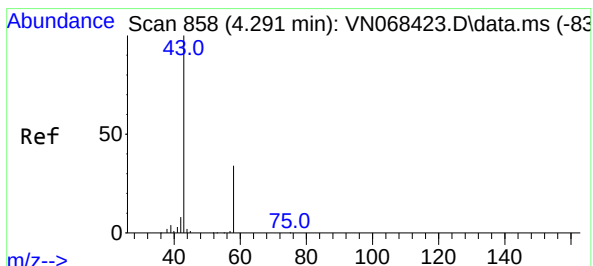
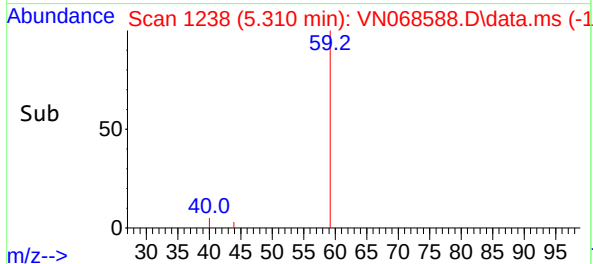
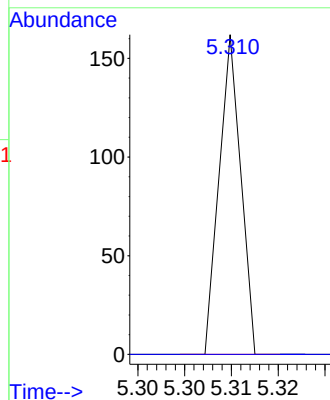
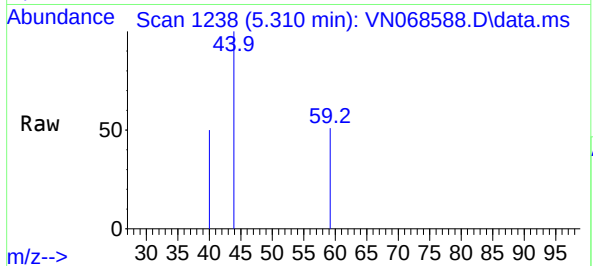




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.310 min Scan# 1238
Delta R.T. -0.064 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

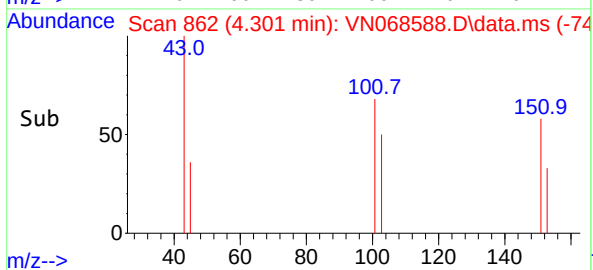
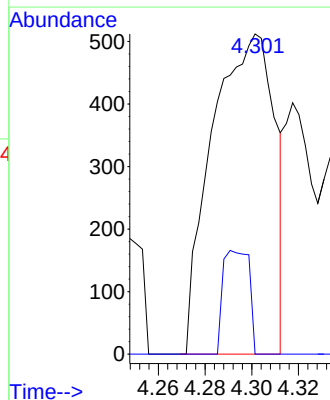
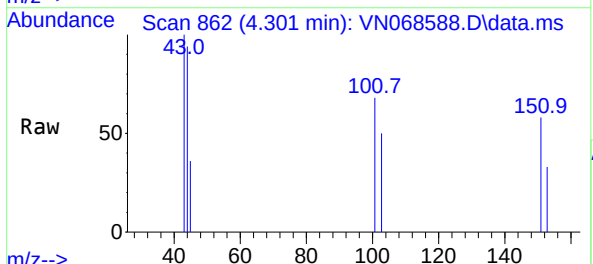
Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20210916DL

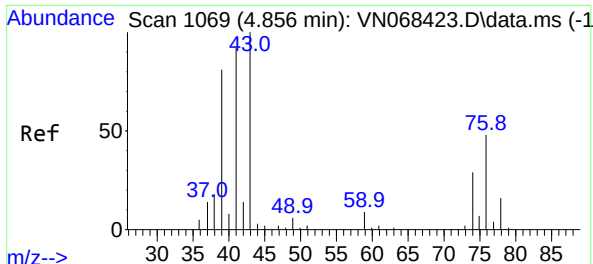
Tgt Ion: 59 Resp: 26
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#



#16
Acetone
Concen: Below Cal
RT: 4.301 min Scan# 862
Delta R.T. 0.010 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

Tgt Ion: 43 Resp: 950
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.6#

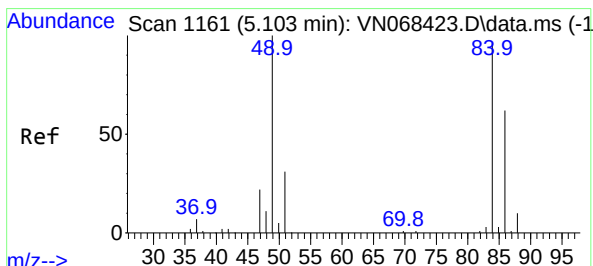
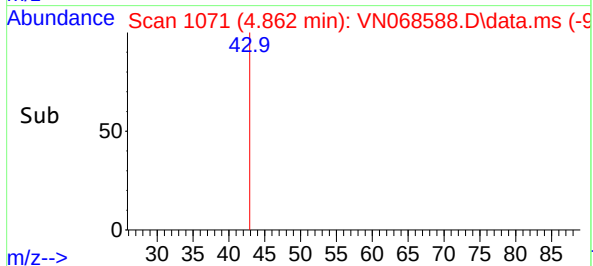
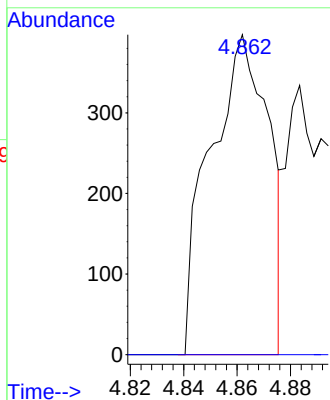
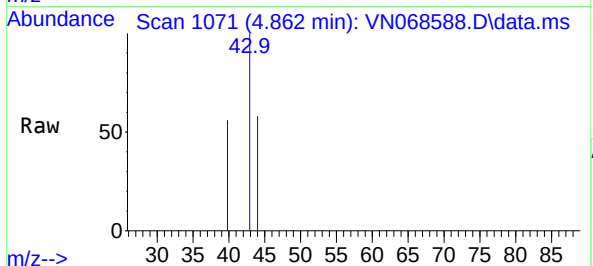




#18
Methyl Acetate
Concen: Below Cal
RT: 4.862 min Scan# 1071
Delta R.T. 0.006 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

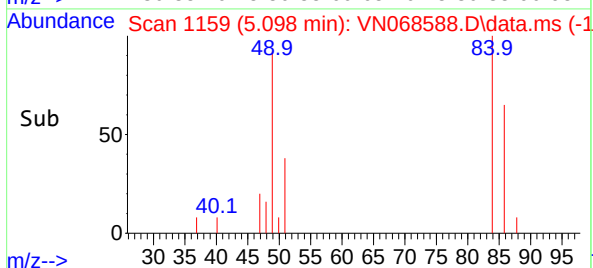
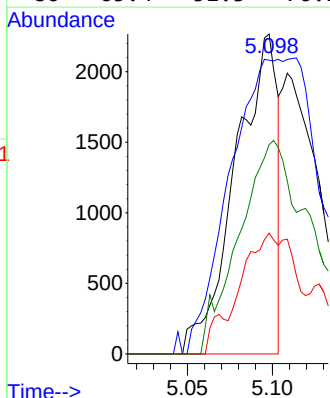
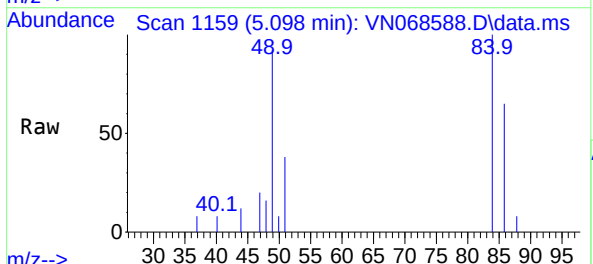
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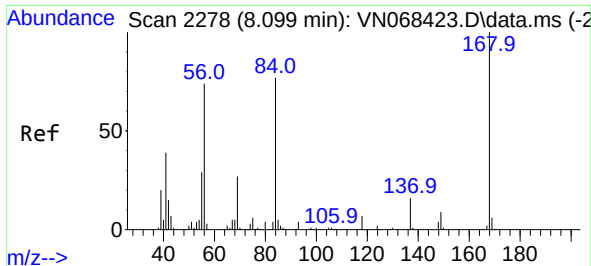
Tgt Ion: 43 Resp: 606
Ion Ratio Lower Upper
43 100
74 0.0 23.5 35.3#



#20
Methylene Chloride
Concen: Below Cal
RT: 5.098 min Scan# 1159
Delta R.T. -0.005 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

Tgt Ion: 84 Resp: 3856
Ion Ratio Lower Upper
84 100
49 84.8 83.0 124.6
51 37.8 25.4 38.0
86 65.4 51.3 76.9

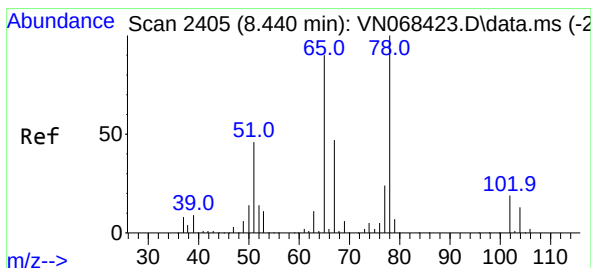
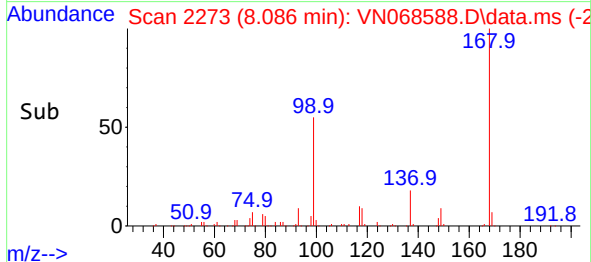
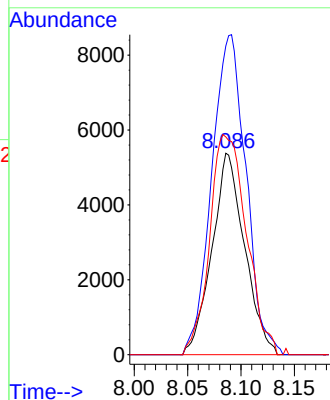
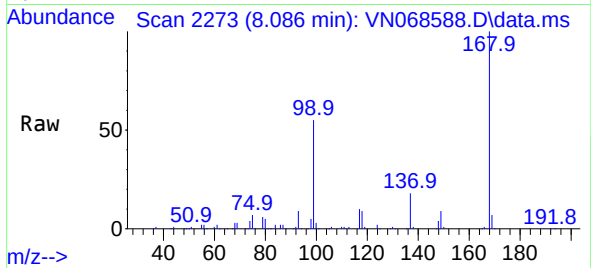




#31
Cyclohexane
Concen: 1.401 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.013 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

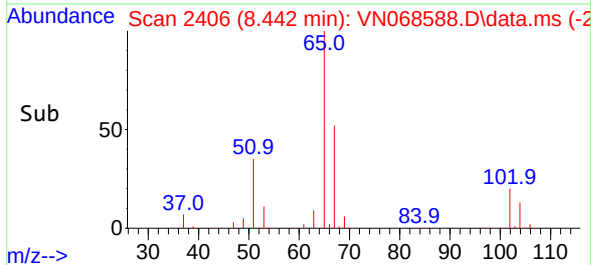
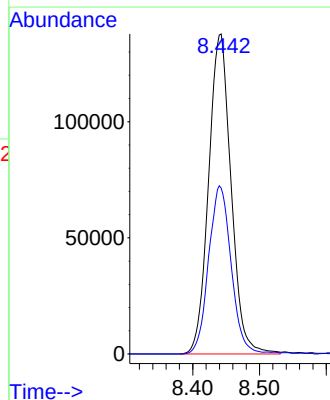
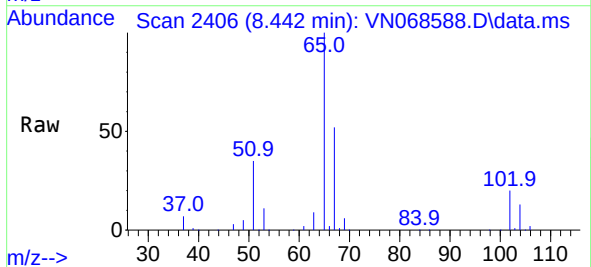
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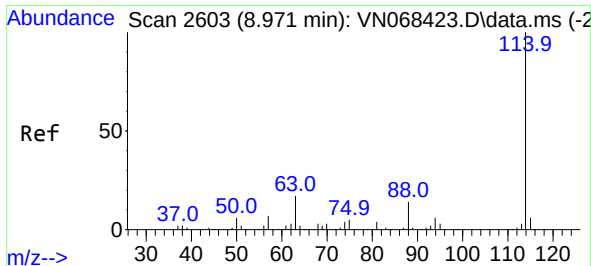
Tgt Ion: 56 Resp: 11425
Ion Ratio Lower Upper
56 100
69 153.2 29.4 44.0#
84 108.1 83.6 125.4



#33
1,2-Dichloroethane-d4
Concen: 59.872 ug/l
RT: 8.442 min Scan# 2406
Delta R.T. 0.002 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

Tgt Ion: 65 Resp: 322293
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.0

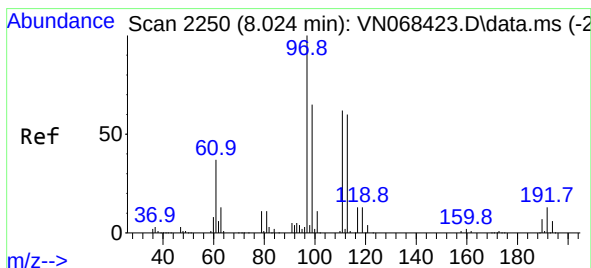
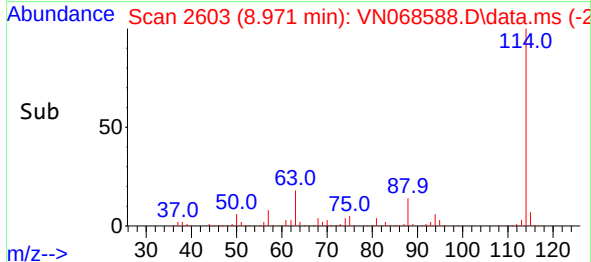
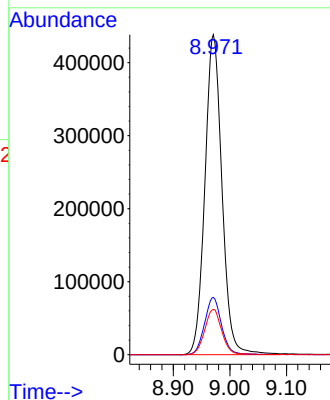
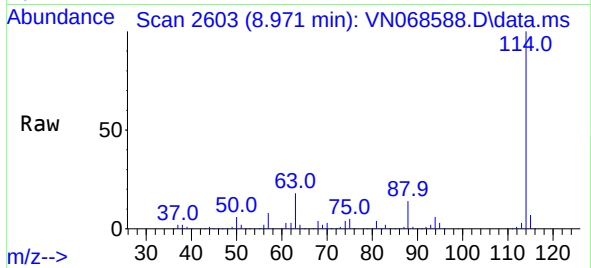




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.971 min Scan# 2603
Delta R.T. -0.000 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

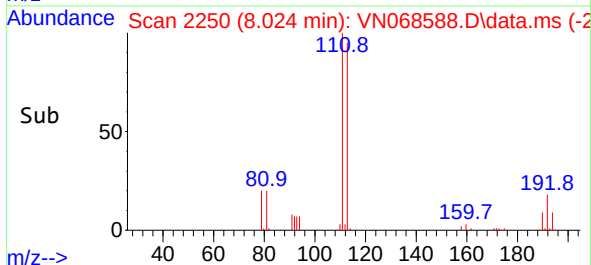
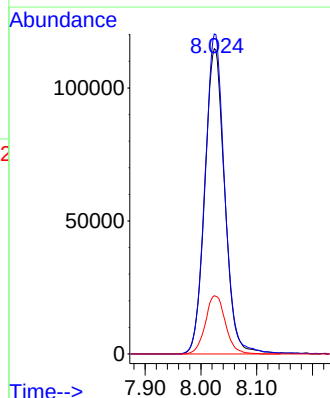
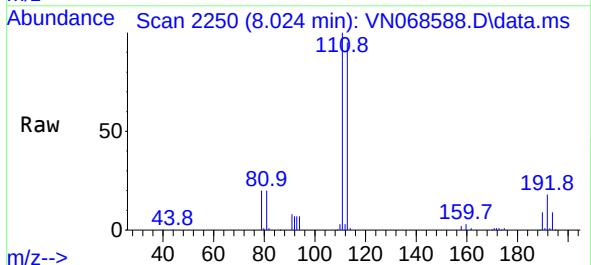
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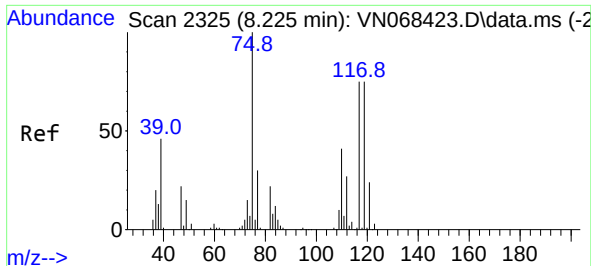
Tgt Ion:114 Resp: 917889
Ion Ratio Lower Upper
114 100
63 17.9 0.0 33.2
88 14.2 0.0 28.4



#35
Dibromofluoromethane
Concen: 51.284 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

Tgt Ion:113 Resp: 283911
Ion Ratio Lower Upper
113 100
111 103.7 81.1 121.7
192 19.3 17.7 26.5



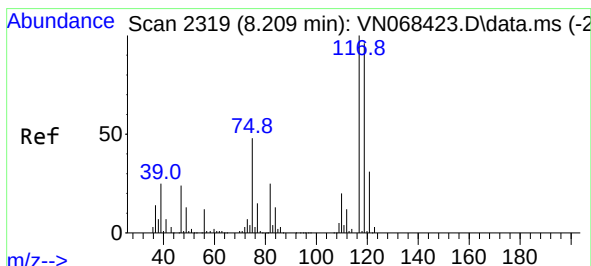
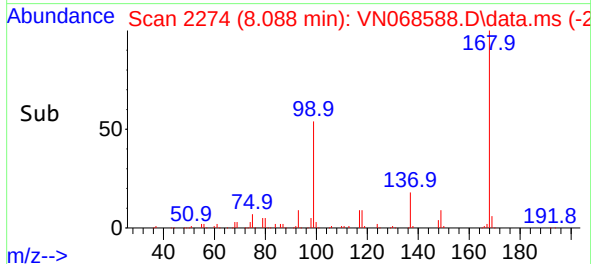
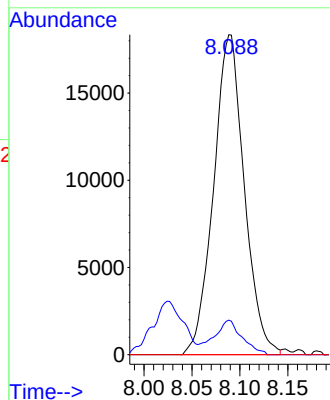
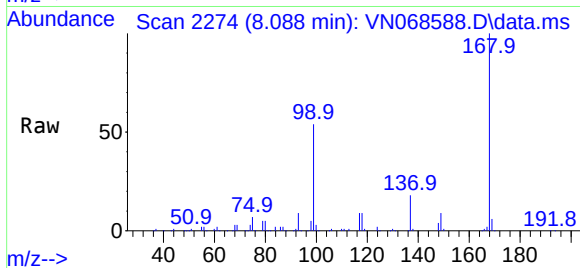


#36

1,1-Dichloropropene
Concen: 5.329 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20210916DL

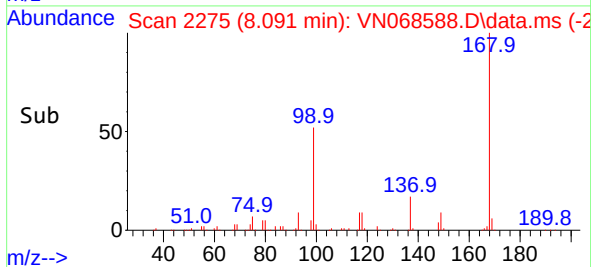
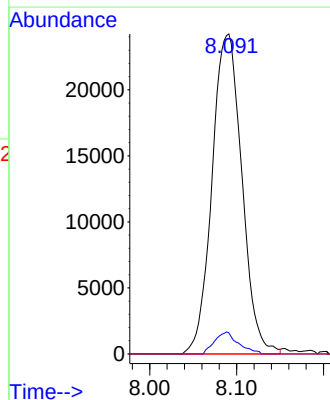
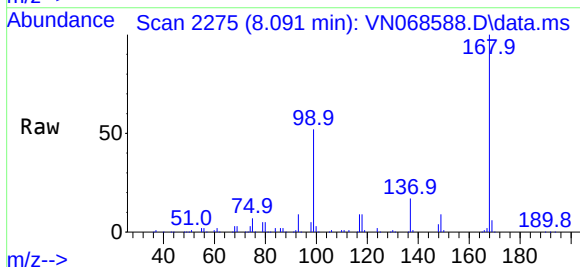
Tgt Ion: 75 Resp: 40782
Ion Ratio Lower Upper
75 100
110 9.7 20.8 62.5#
77 0.0 25.0 37.6#

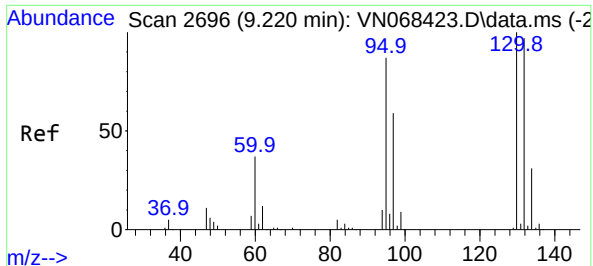


#38

Carbon Tetrachloride
Concen: 6.304 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. -0.118 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

Tgt Ion: 117 Resp: 57790
Ion Ratio Lower Upper
117 100
119 6.6 76.6 114.8#
121 0.0 24.5 36.7#

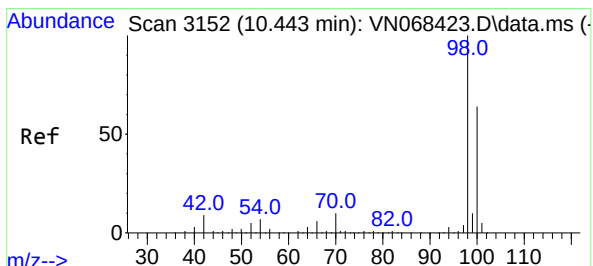
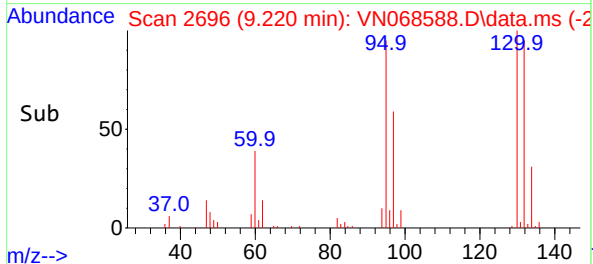
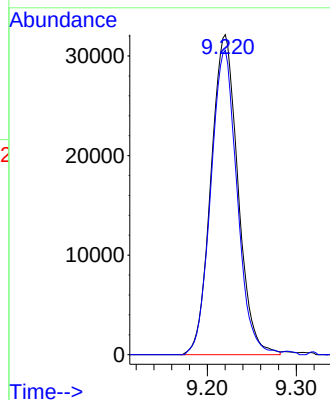
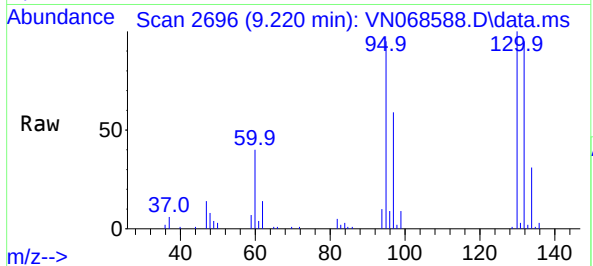




#44
Trichloroethene
Concen: 9.427 ug/l
RT: 9.220 min Scan# 2696
Delta R.T. 0.000 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

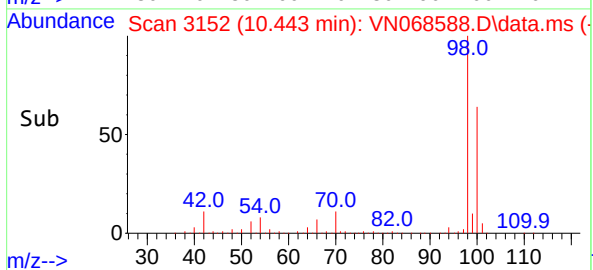
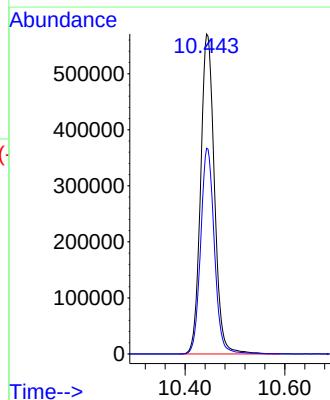
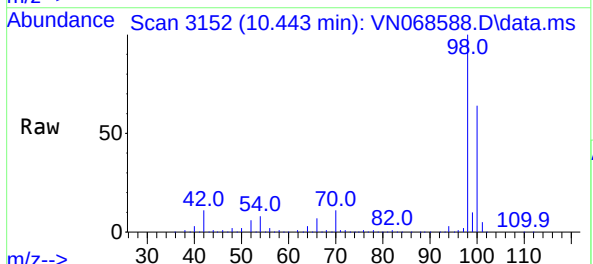
Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20210916DL

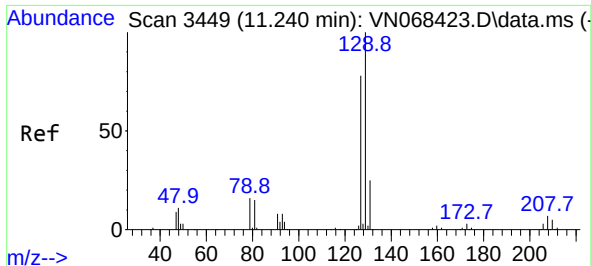
Tgt Ion:130 Resp: 67613
Ion Ratio Lower Upper
130 100
95 95.1 0.0 173.8



#50
Toluene-d8
Concen: 48.540 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

Tgt Ion: 98 Resp: 1099576
Ion Ratio Lower Upper
98 100
100 63.9 51.0 76.6

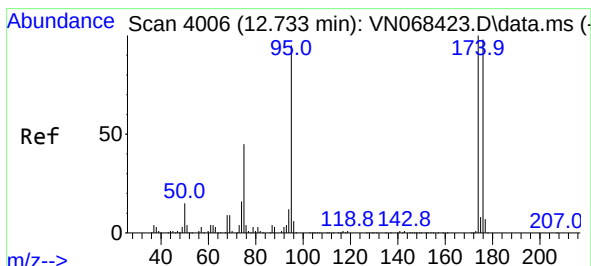
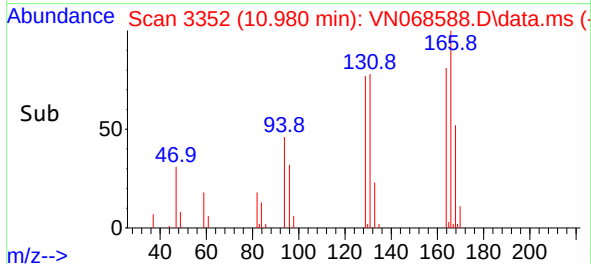
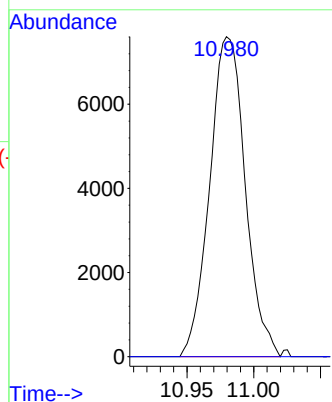
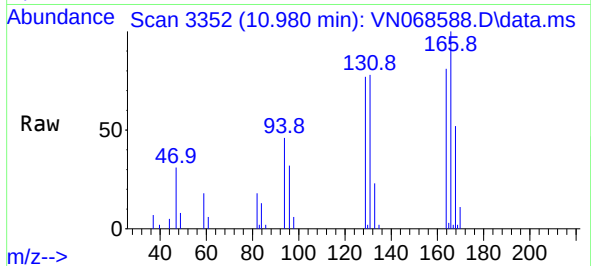




#60
Dibromochloromethane
Concen: 3.464 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. -0.260 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

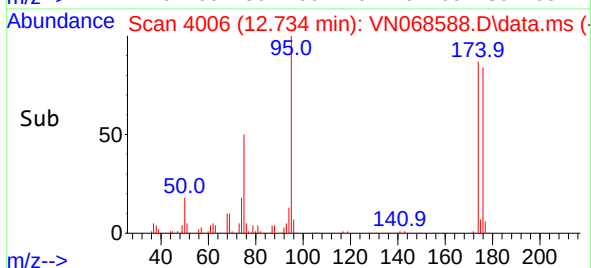
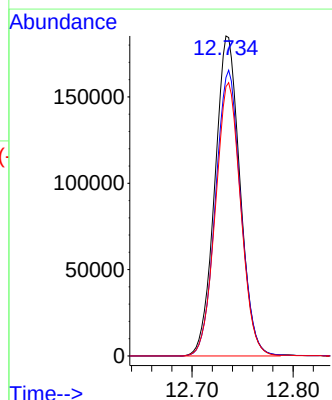
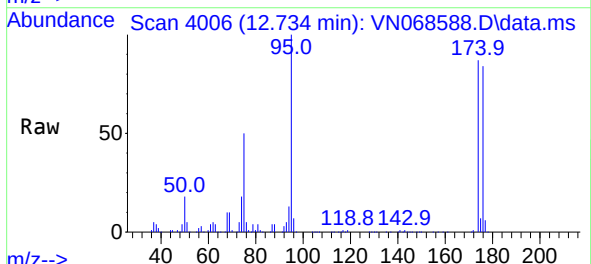
Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20210916DL

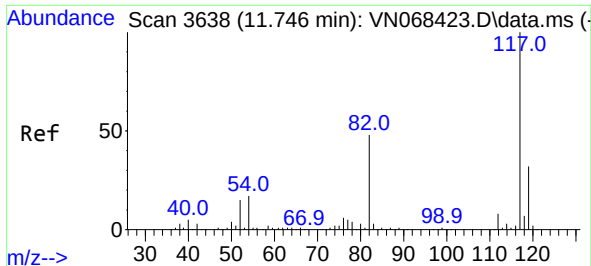
Tgt Ion:129 Resp: 14084
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#



#62
4-Bromofluorobenzene
Concen: 43.311 ug/l
RT: 12.734 min Scan# 4006
Delta R.T. 0.001 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

Tgt Ion: 95 Resp: 319622
Ion Ratio Lower Upper
95 100
174 89.6 0.0 214.0
176 85.8 0.0 205.4



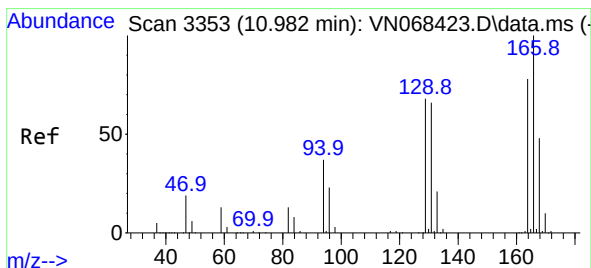
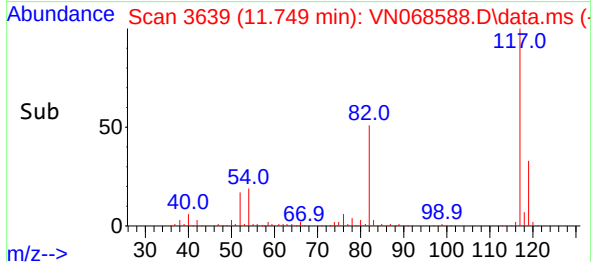
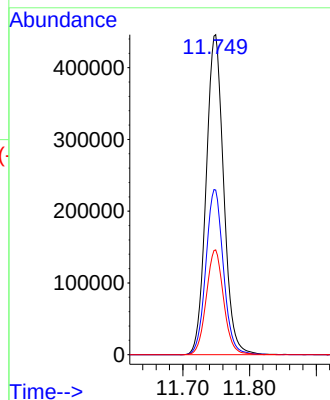
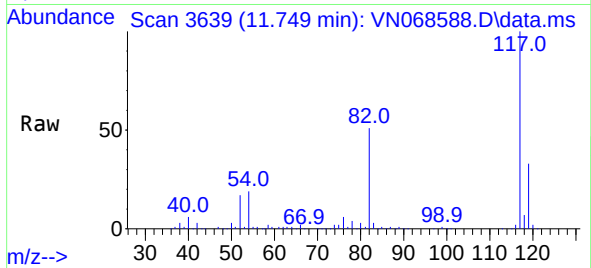


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20210916DL

Tgt Ion:117 Resp: 813118

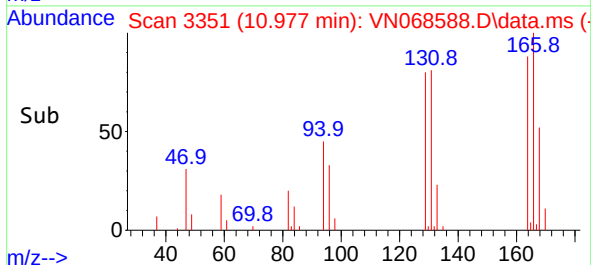
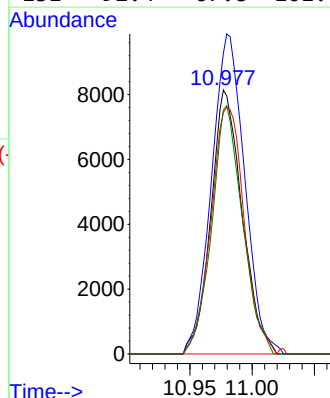
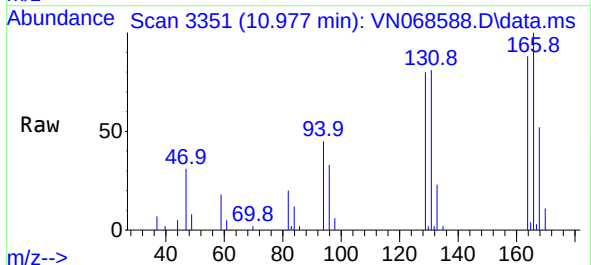
Ion	Ratio	Lower	Upper
117	100		
82	51.4	38.7	58.1
119	32.8	25.5	38.3

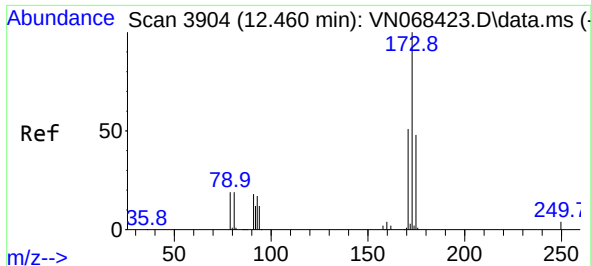


#64
Tetrachloroethene
Concen: 1.973 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.005 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

Tgt Ion:164 Resp: 14220

Ion	Ratio	Lower	Upper
164	100		
166	113.9	102.9	154.3
129	91.5	70.1	105.1
131	92.4	67.8	101.6

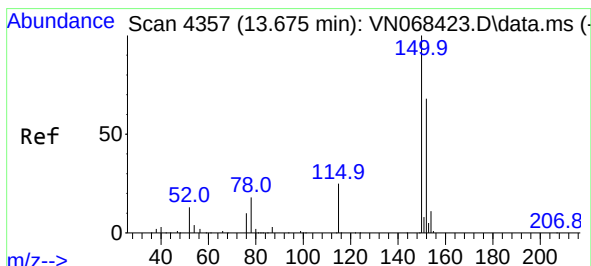
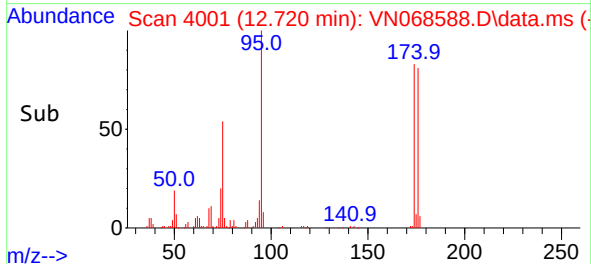
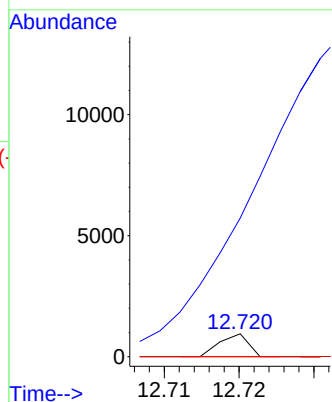
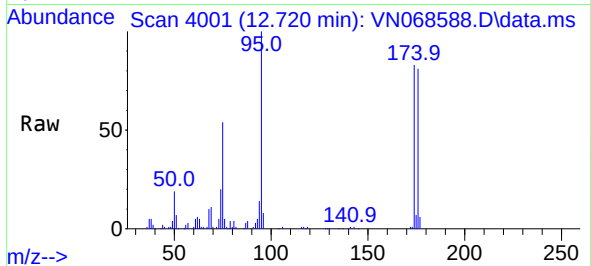




#71
Bromoform
Concen: 2.565 ug/l
RT: 12.720 min Scan# 4001
Delta R.T. 0.260 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

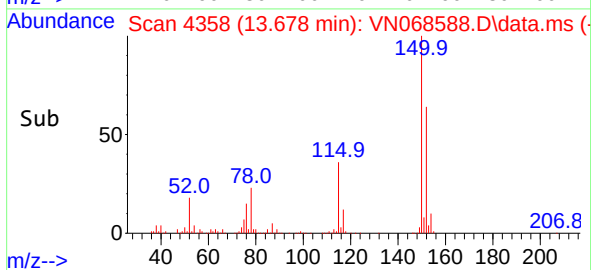
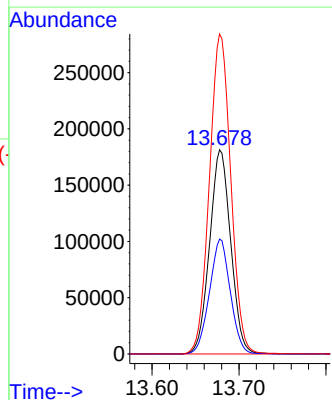
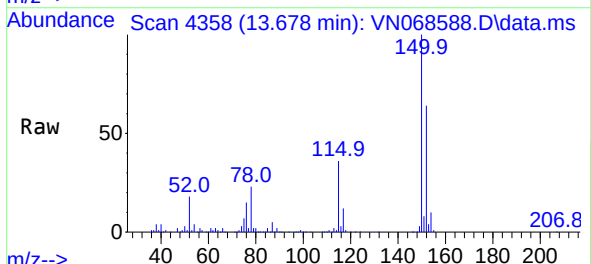
Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20210916DL

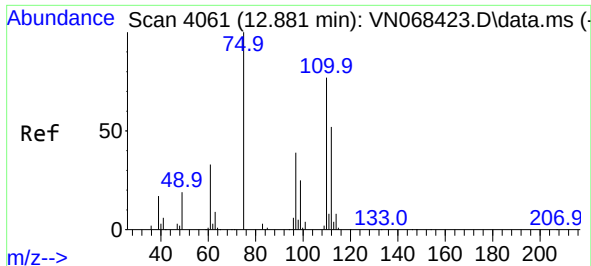
Tgt Ion:173 Resp: 251
Ion Ratio Lower Upper
173 100
175 0.0 24.1 72.3#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

Tgt Ion:152 Resp: 305938
Ion Ratio Lower Upper
152 100
115 55.5 25.6 76.6
150 158.5 0.0 346.8

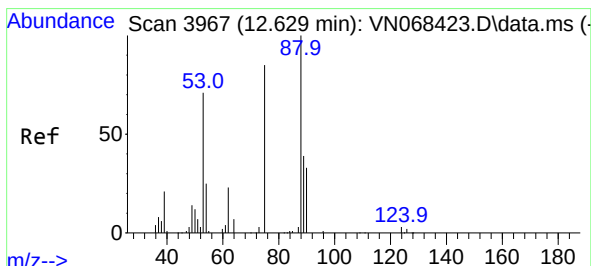
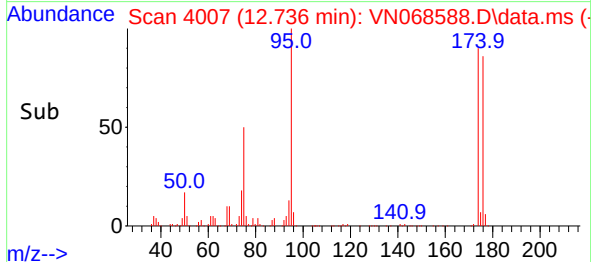
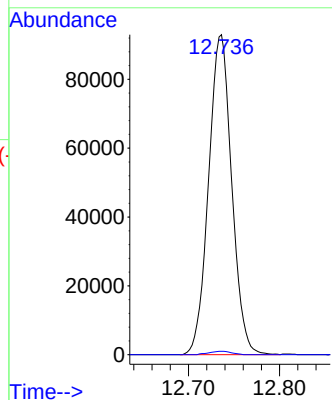
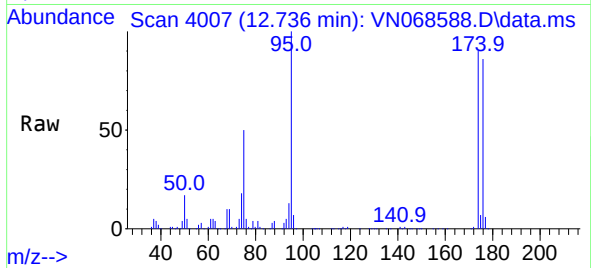




#76
1,2,3-Trichloropropane
Concen: 38.680 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.145 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

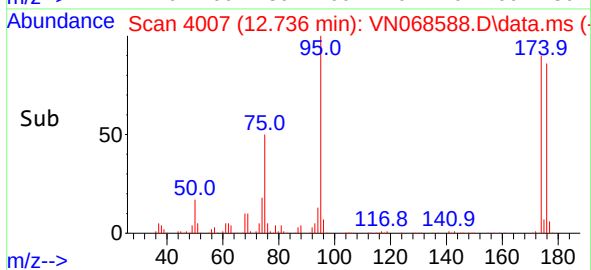
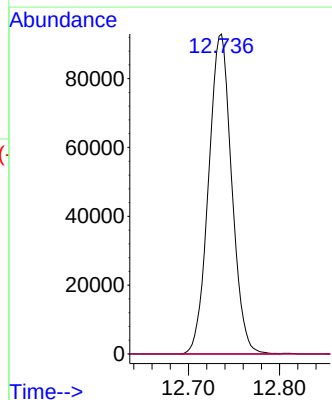
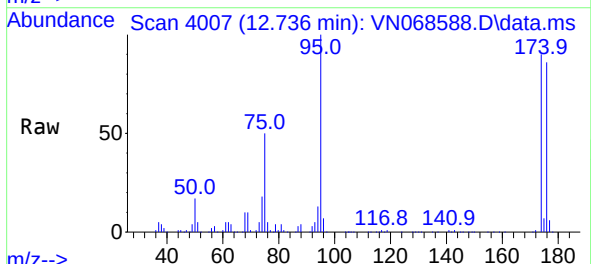
Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20210916DL

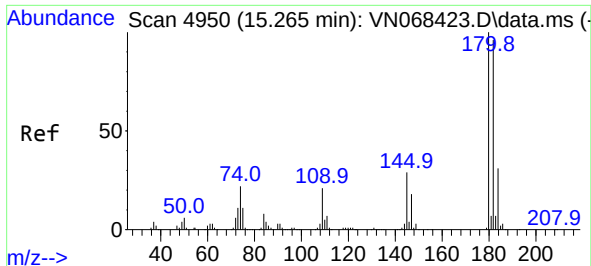
Tgt Ion: 75 Resp: 163777
Ion Ratio Lower Upper
75 100
77 1.0 100.9 302.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 118.639 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

Tgt Ion: 75 Resp: 163777
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#

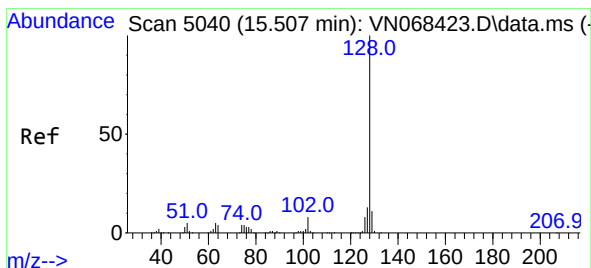
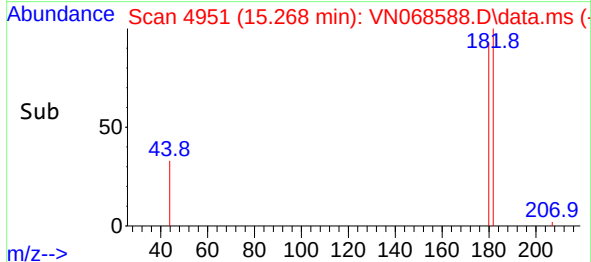
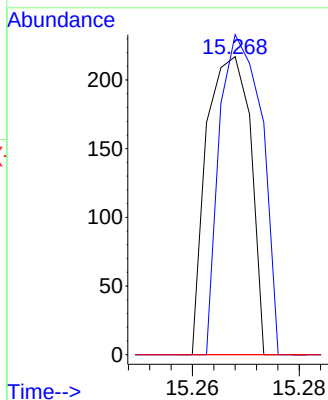
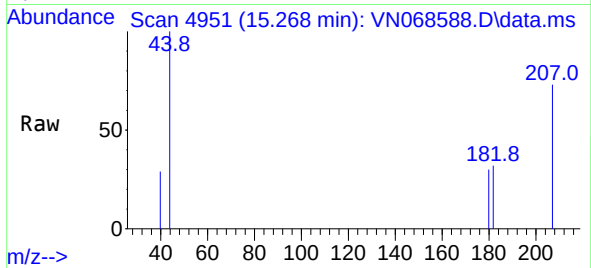




#93
1,2,4-Trichlorobenzene
Concen: 2.980 ug/l
RT: 15.268 min Scan# 4951
Delta R.T. 0.003 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

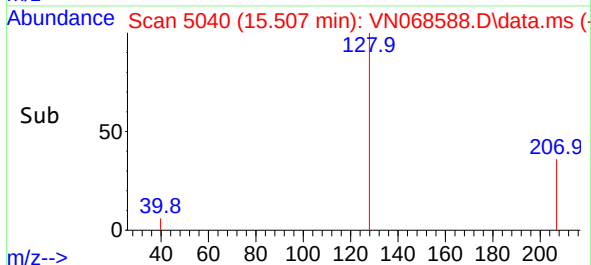
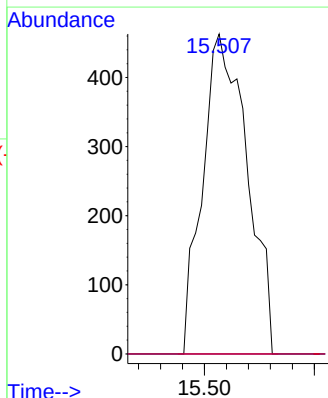
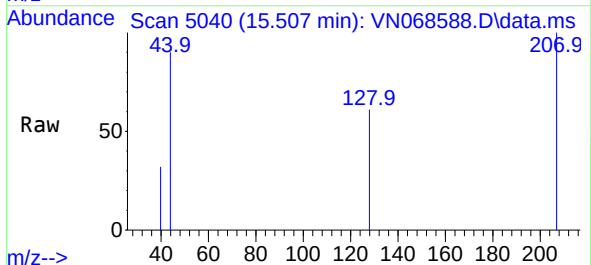
Instrument :
MSVOA_N
ClientSampleId :
RE134D3-20210916DL

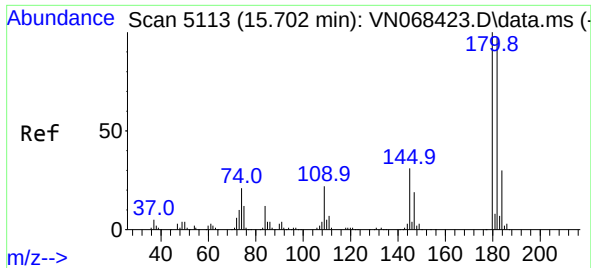
Tgt Ion:	180	Resp:	124
Ion	Ratio	Lower	Upper
180	100		
182	103.2	47.5	142.6
145	0.0	14.1	42.4#



#95
Naphthalene
Concen: 3.547 ug/l
RT: 15.507 min Scan# 5040
Delta R.T. -0.000 min
Lab File: VN068588.D
Acq: 21 Sep 2021 17:42

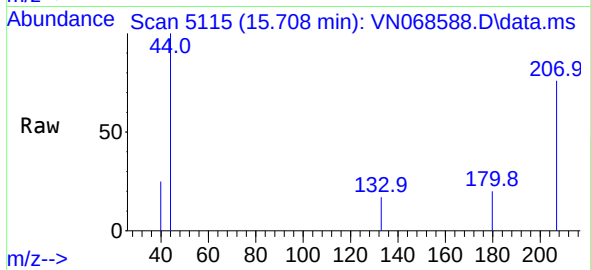
Tgt Ion:	128	Resp:	654
Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	15.8#
129	0.0	8.6	13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 2.995 ug/l
 RT: 15.708 min Scan# 5115
 Delta R.T. 0.006 min
 Lab File: VN068588.D
 Acq: 21 Sep 2021 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 RE134D3-20210916DL



Tgt Ion:	180	Resp:	117
Ion	Ratio	Lower	Upper
180	100		
182	48.7	47.9	143.6
145	0.0	15.2	45.5#

