

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092121\
 Data File : VN068585.D
 Acq On : 21 Sep 2021 16:27
 Operator : JC/MD
 Sample : M3781-12DL 10X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Sep 21 17:55:06 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)

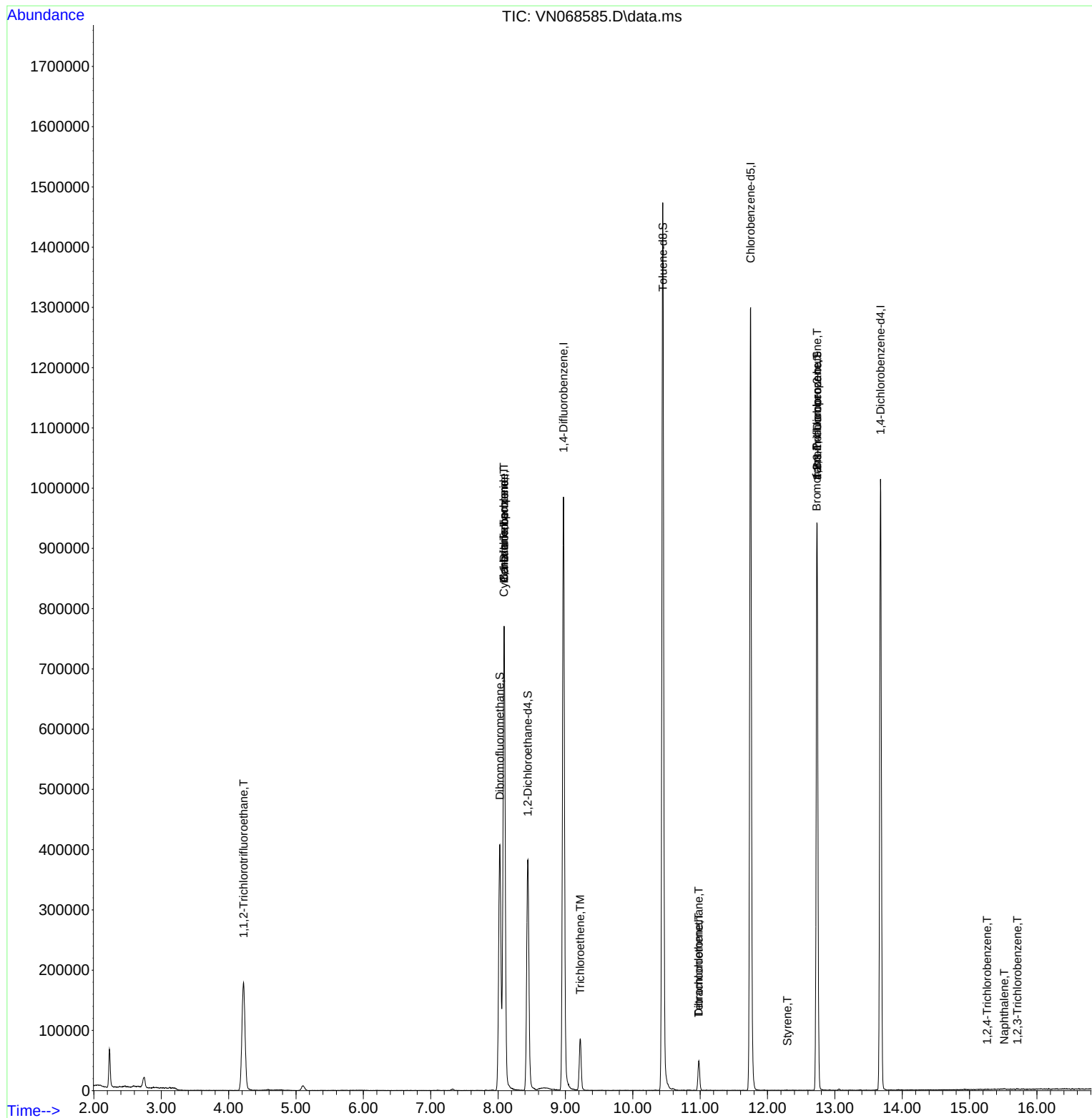
Internal Standards						
1) Pentafluorobenzene	8.091	168	652225	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.971	114	956428	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.749	117	844731	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.678	152	309127	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	325354	54.381	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 108.760%		
35) Dibromofluoromethane	8.027	113	298808	51.800	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 103.600%		
50) Toluene-d8	10.446	98	1112239	47.225	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 94.460%		
62) 4-Bromofluorobenzene	12.736	95	324204	42.272	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 84.540%		
Target Compounds						Qvalue
3) Chloromethane	2.306	50	537	Below Cal	#	42
5) Bromomethane	2.816	94	51	Below Cal	#	3
9) 1,1,2-Trichlorotrifluo...	4.221	101	120104	21.458	ug/l	95
16) Acetone	4.293	43	637	Below Cal	#	41
18) Methyl Acetate	4.859	43	446	Below Cal	#	45
20) Methylene Chloride	5.090	84	2681	Below Cal		88
31) Cyclohexane	8.086	56	11765	1.298	ug/l #	33
36) 1,1-Dichloropropene	8.088	75	41488	5.203	ug/l #	47
38) Carbon Tetrachloride	8.088	117	59813	6.261	ug/l #	16
44) Trichloroethene	9.217	130	33738	4.515	ug/l	100
60) Dibromochloromethane	10.980	129	11243	3.076	ug/l #	11
64) Tetrachloroethene	10.977	164	12061	1.611	ug/l	91
70) Styrene	12.296	104	110	1.759	ug/l #	27
71) Bromoform	12.731	173	1697	2.776	ug/l #	1
76) 1,2,3-Trichloropropane	12.736	75	160704	37.530	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.736	75	160704	115.212	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.263	180	110	2.977	ug/l #	1
95) Naphthalene	15.515	128	1228	3.590	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.711	180	352	3.035	ug/l #	23

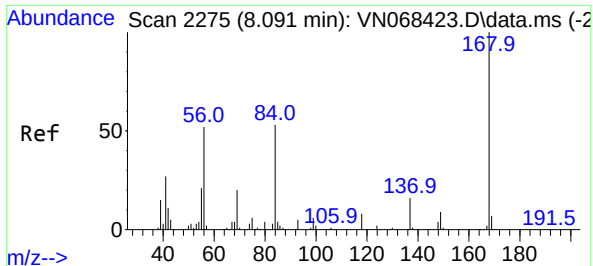
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

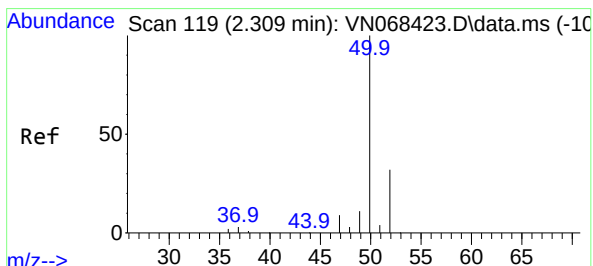
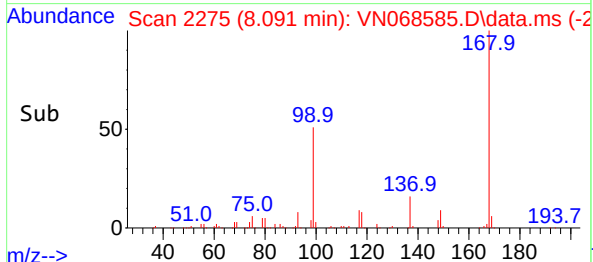
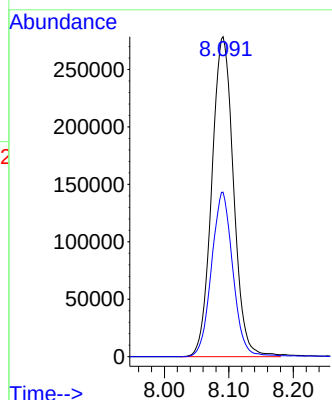
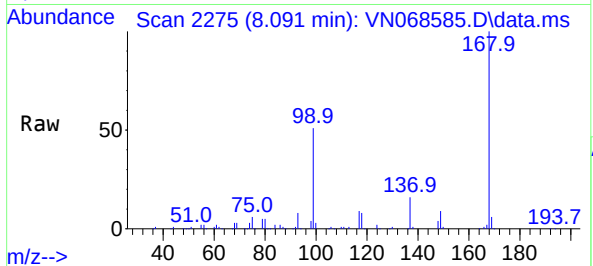




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.091 min Scan# 2275
Delta R.T. 0.000 min
Lab File: VN068585.D
Acq: 21 Sep 2021 16:27

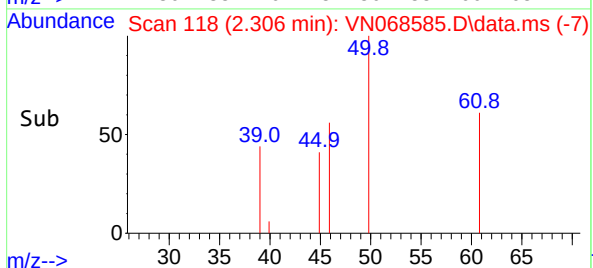
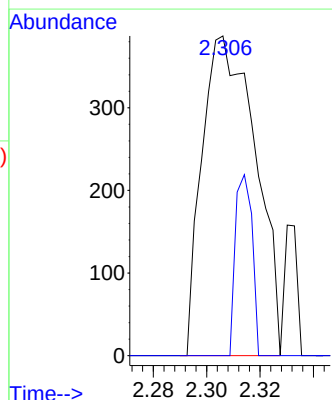
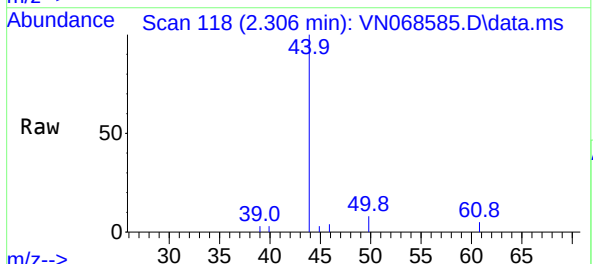
Instrument :
MSVOA_N
ClientSampled :

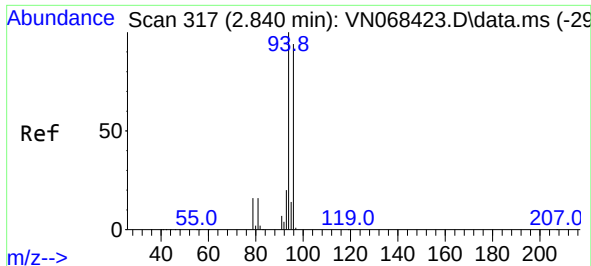
Tgt Ion:168 Resp: 652225
Ion Ratio Lower Upper
168 100
99 51.4 38.2 57.4



#3
Chloromethane
Concen: Below Cal
RT: 2.306 min Scan# 118
Delta R.T. -0.003 min
Lab File: VN068585.D
Acq: 21 Sep 2021 16:27

Tgt Ion: 50 Resp: 537
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.6#

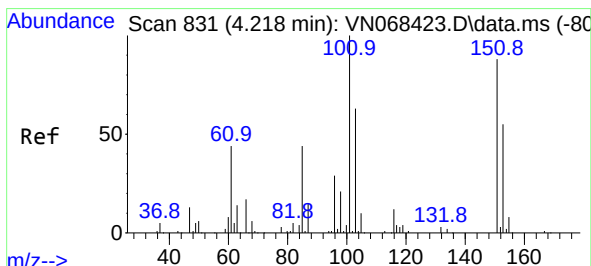
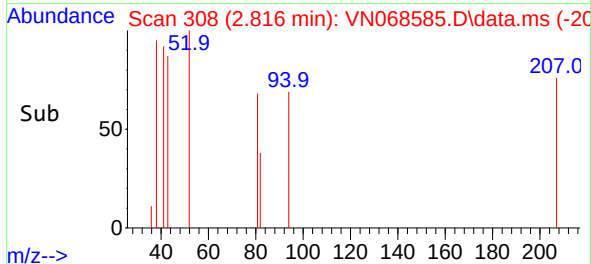
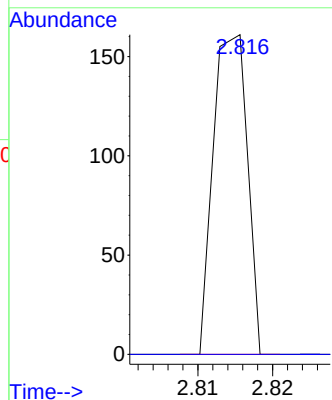
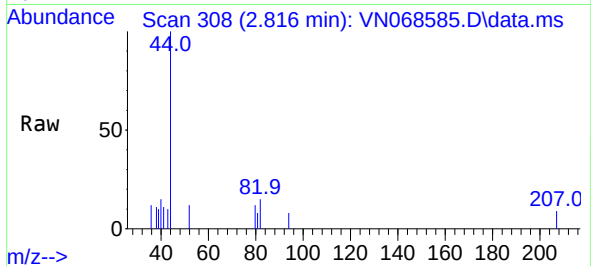




#5
Bromomethane
Concen: Below Cal
RT: 2.816 min Scan# 308
Delta R.T. -0.024 min
Lab File: VN068585.D
Acq: 21 Sep 2021 16:27

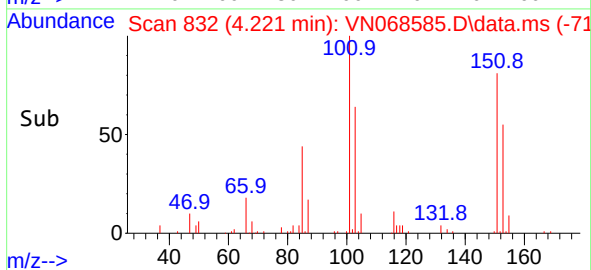
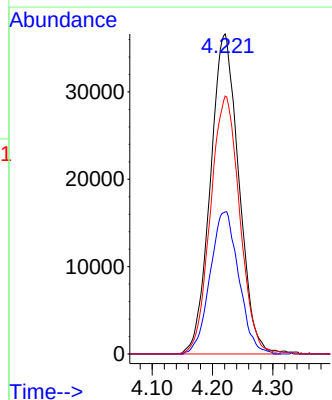
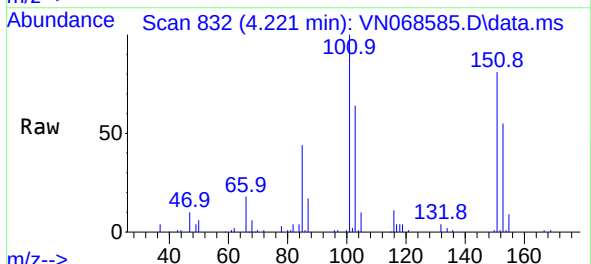
Instrument :
MSVOA_N
ClientSampled :

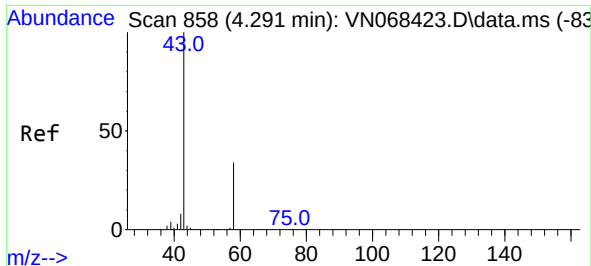
Tgt Ion: 94 Resp: 51
Ion Ratio Lower Upper
94 100
96 0.0 75.4 113.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 21.458 ug/l
RT: 4.221 min Scan# 832
Delta R.T. 0.003 min
Lab File: VN068585.D
Acq: 21 Sep 2021 16:27

Tgt Ion:101 Resp: 120104
Ion Ratio Lower Upper
101 100
85 44.8 35.7 53.5
151 82.5 71.6 107.4

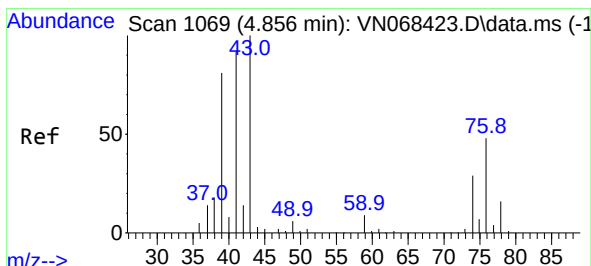
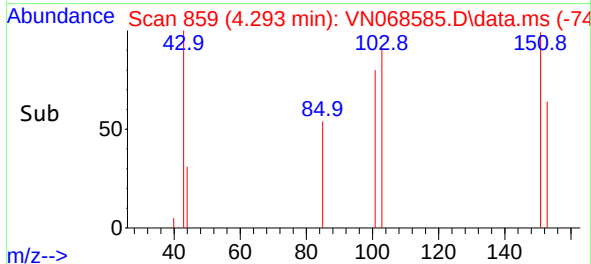
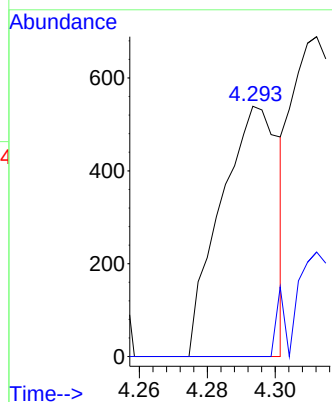
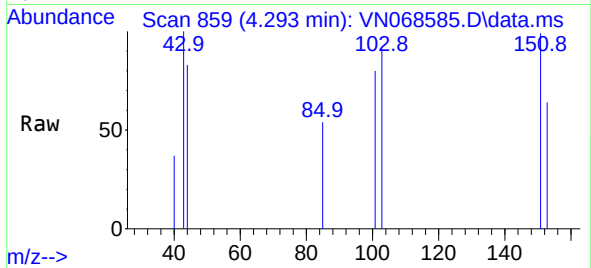




#16
Acetone
Concen: Below Cal
RT: 4.293 min Scan# 859
Delta R.T. 0.002 min
Lab File: VN068585.D
Acq: 21 Sep 2021 16:27

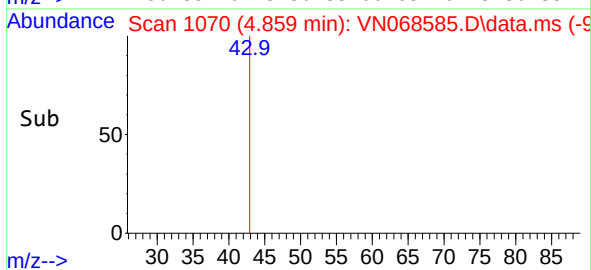
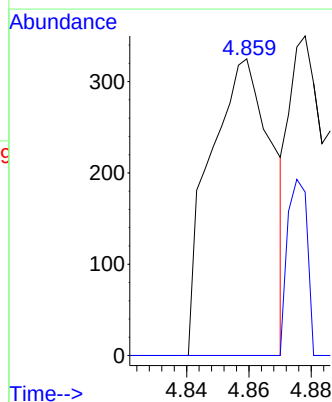
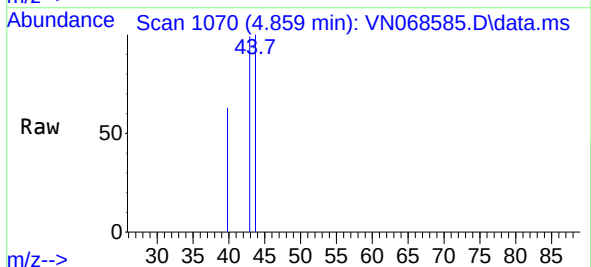
Instrument :
MSVOA_N
ClientSampled :

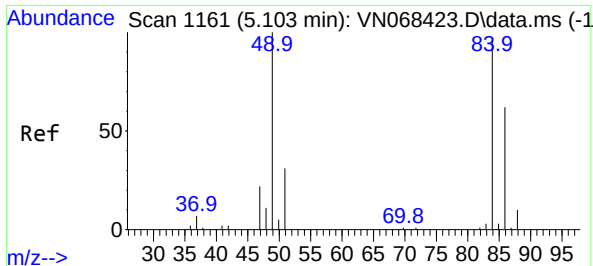
Tgt Ion: 43 Resp: 637
Ion Ratio Lower Upper
43 100
58 0.0 27.0 40.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.859 min Scan# 1070
Delta R.T. 0.003 min
Lab File: VN068585.D
Acq: 21 Sep 2021 16:27

Tgt Ion: 43 Resp: 446
Ion Ratio Lower Upper
43 100
74 0.0 23.5 35.3#



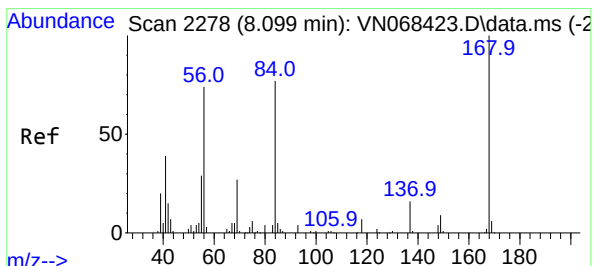
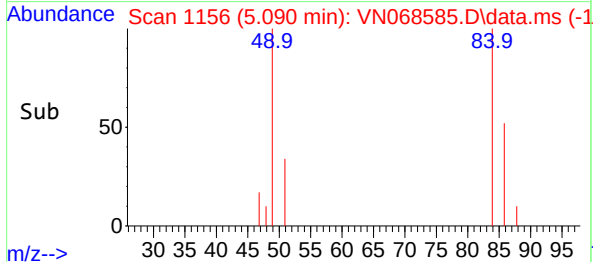
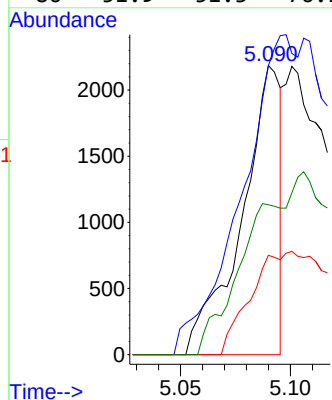
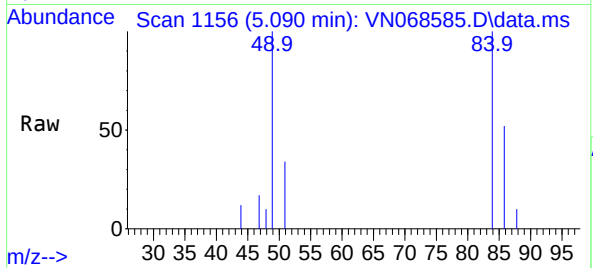


#20
Methylene Chloride
Concen: Below Cal
RT: 5.090 min Scan# 1156
Delta R.T. -0.013 min
Lab File: VN068585.D
Acq: 21 Sep 2021 16:27

Instrument :
MSVOA_N
ClientSampled :

Tgt Ion: 84 Resp: 2681

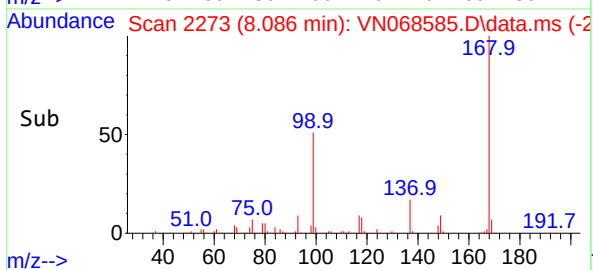
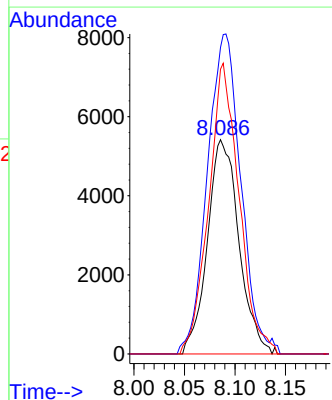
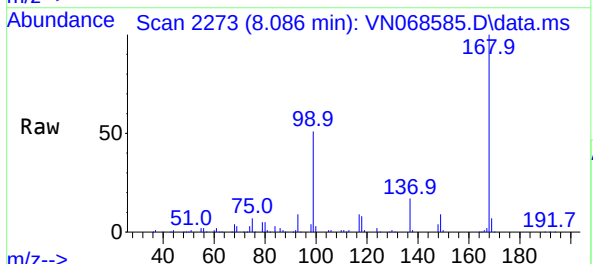
Ion	Ratio	Lower	Upper
84	100		
49	90.9	83.0	124.6
51	34.4	25.4	38.0
86	51.9	51.3	76.9

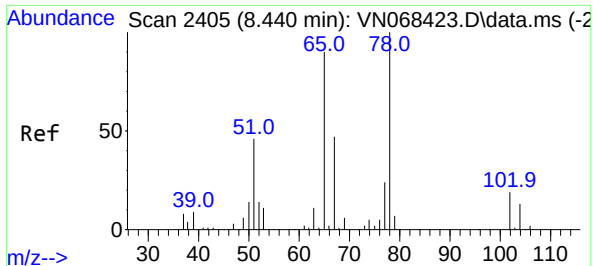


#31
Cyclohexane
Concen: 1.298 ug/l
RT: 8.086 min Scan# 2273
Delta R.T. -0.013 min
Lab File: VN068585.D
Acq: 21 Sep 2021 16:27

Tgt Ion: 56 Resp: 11765

Ion	Ratio	Lower	Upper
56	100		
69	143.1	29.4	44.0#
84	132.9	83.6	125.4#

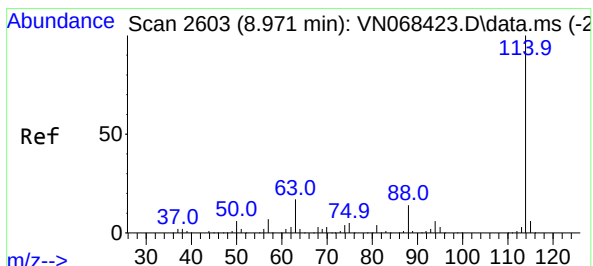
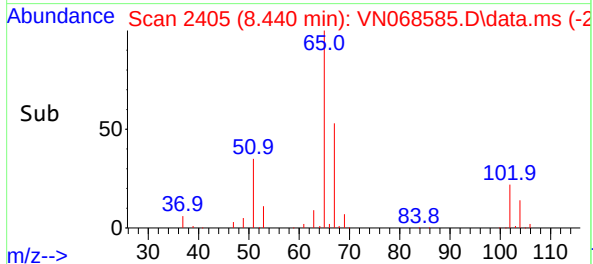
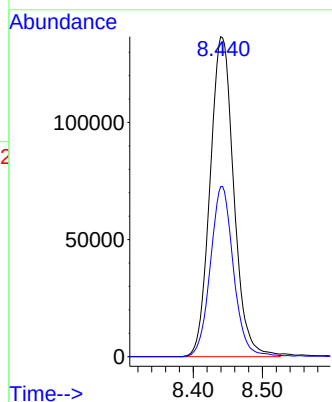
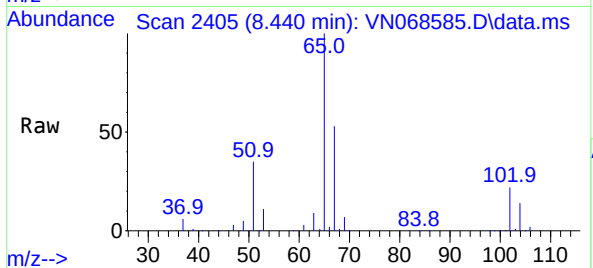




#33
 1,2-Dichloroethane-d4
 Concen: 54.381 ug/l
 RT: 8.440 min Scan# 2405
 Delta R.T. -0.000 min
 Lab File: VN068585.D
 Acq: 21 Sep 2021 16:27

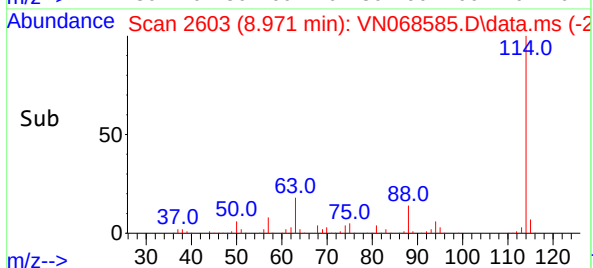
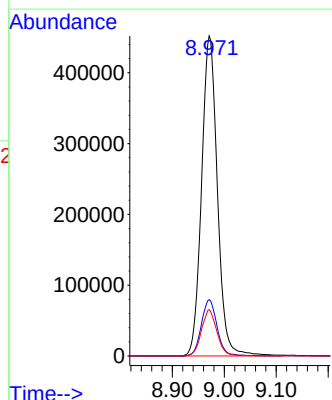
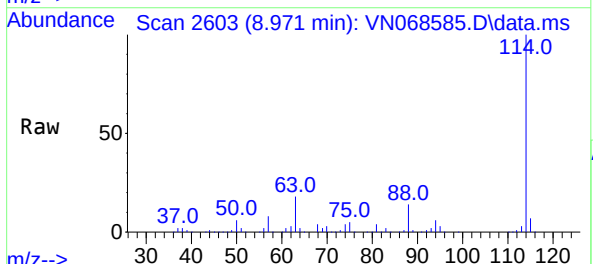
Instrument :
 MSVOA_N
 ClientSampled :

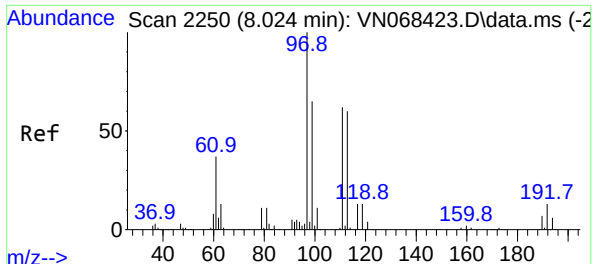
Tgt Ion: 65 Resp: 325354
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.971 min Scan# 2603
 Delta R.T. -0.000 min
 Lab File: VN068585.D
 Acq: 21 Sep 2021 16:27

Tgt Ion: 114 Resp: 956428
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 33.2
 88 14.5 0.0 28.4

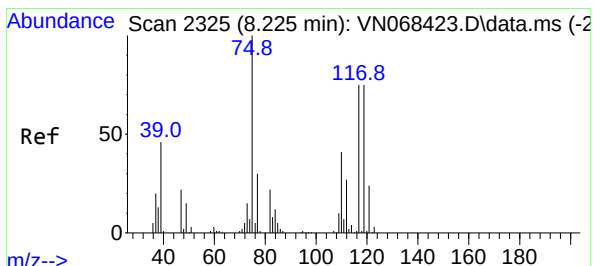
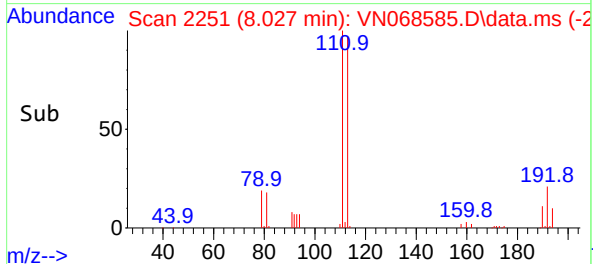
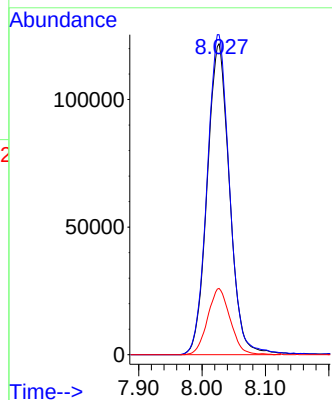
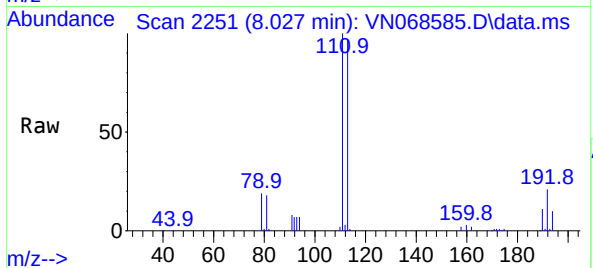




#35
Dibromofluoromethane
Concen: 51.800 ug/l
RT: 8.027 min Scan# 2251
Delta R.T. 0.003 min
Lab File: VN068585.D
Acq: 21 Sep 2021 16:27

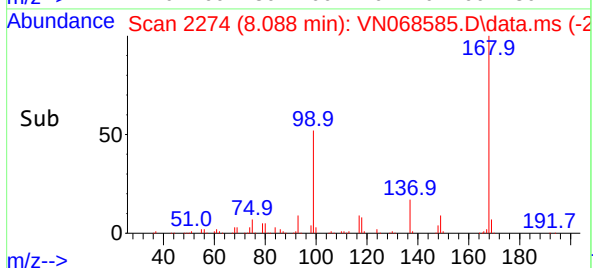
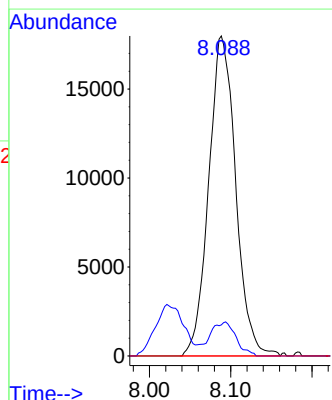
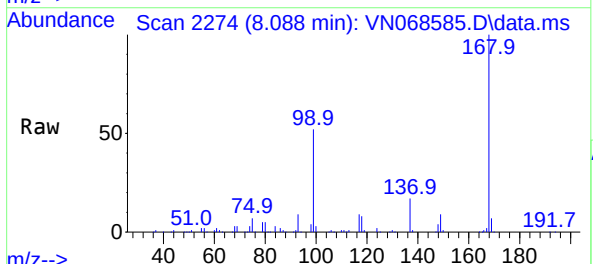
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MSVOA_N
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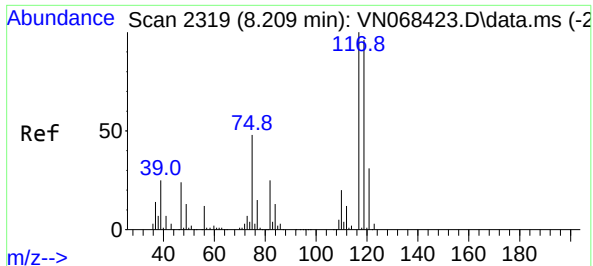
Tgt Ion:113 Resp: 298808
Ion Ratio Lower Upper
113 100
111 103.4 81.1 121.7
192 21.4 17.7 26.5



#36
1,1-Dichloropropene
Concen: 5.203 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.137 min
Lab File: VN068585.D
Acq: 21 Sep 2021 16:27

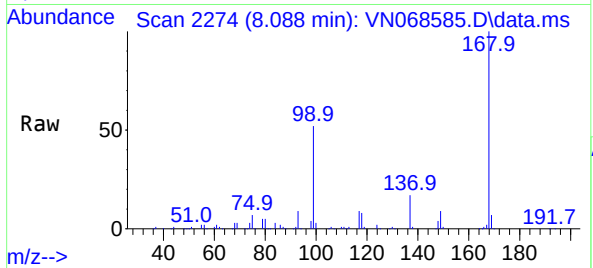
Tgt Ion: 75 Resp: 41488
Ion Ratio Lower Upper
75 100
110 9.7 20.8 62.5#
77 0.0 25.0 37.6#



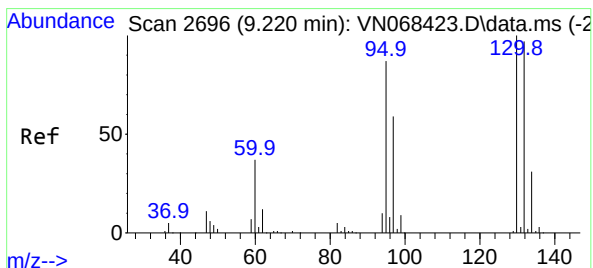
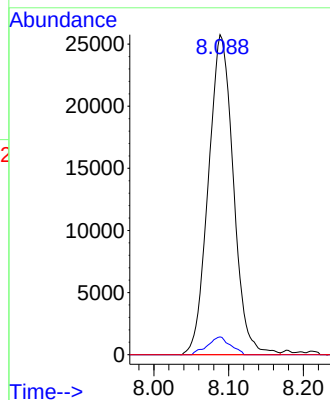
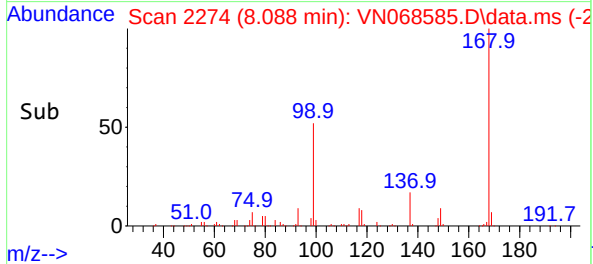


#38
Carbon Tetrachloride
Concen: 6.261 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.121 min
Lab File: VN068585.D
Acq: 21 Sep 2021 16:27

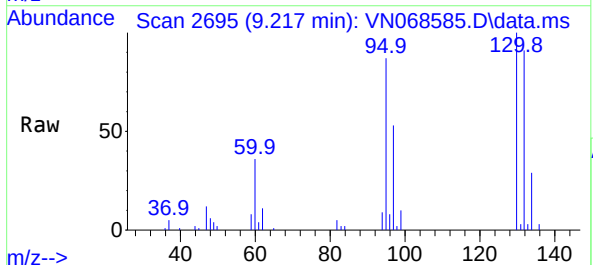
Instrument :
MSVOA_N
ClientSampled :



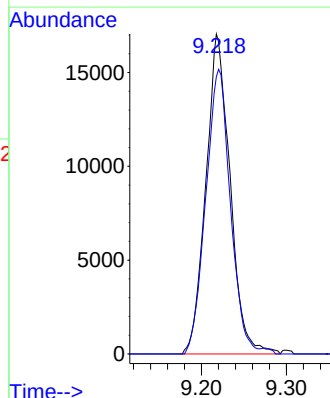
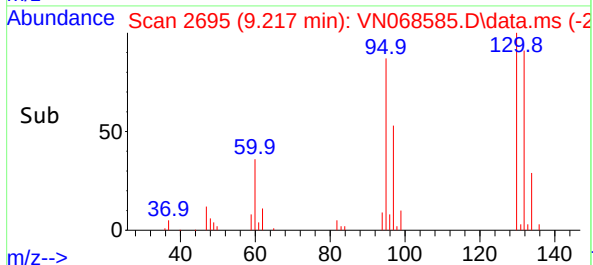
Tgt Ion:117 Resp: 59813
Ion Ratio Lower Upper
117 100
119 5.5 76.6 114.8#
121 0.0 24.5 36.7#

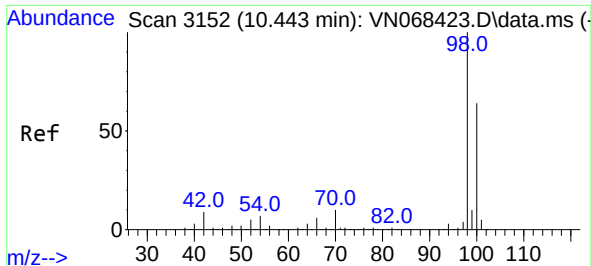


#44
Trichloroethene
Concen: 4.515 ug/l
RT: 9.217 min Scan# 2695
Delta R.T. -0.003 min
Lab File: VN068585.D
Acq: 21 Sep 2021 16:27



Tgt Ion:130 Resp: 33738
Ion Ratio Lower Upper
130 100
95 86.6 0.0 173.8

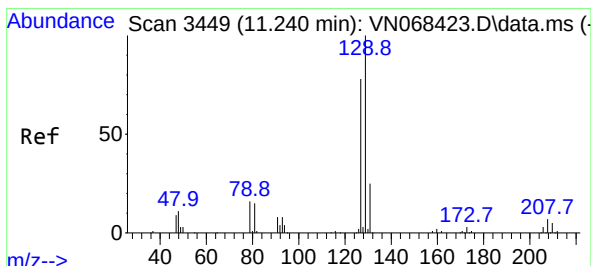
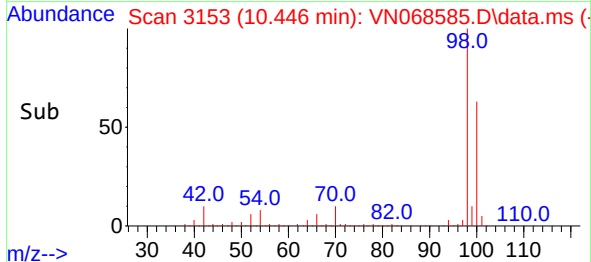
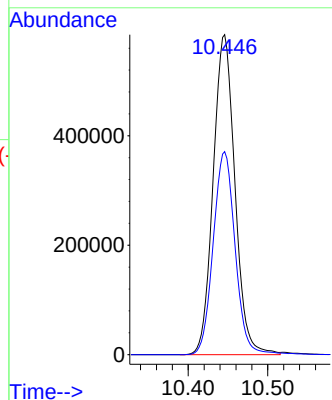
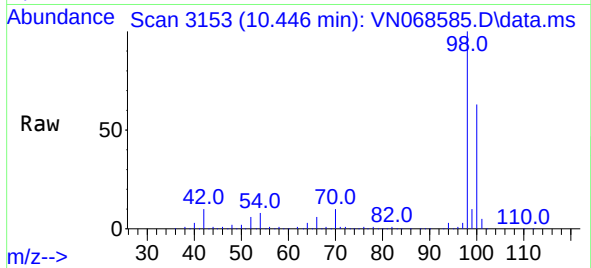




#50
Toluene-d8
Concen: 47.225 ug/l
RT: 10.446 min Scan# 3153
Delta R.T. 0.003 min
Lab File: VN068585.D
Acq: 21 Sep 2021 16:27

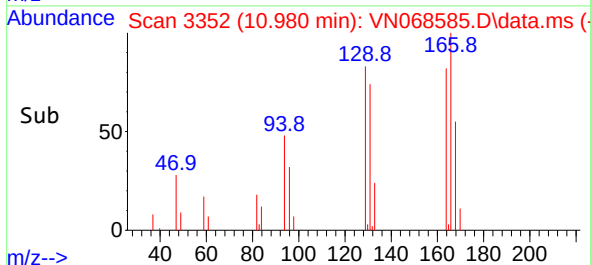
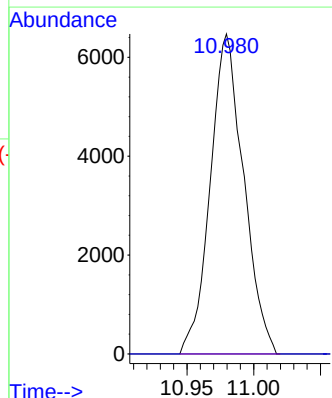
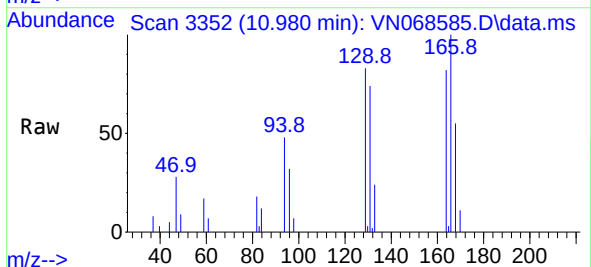
Instrument :
MSVOA_N
ClientSampled :

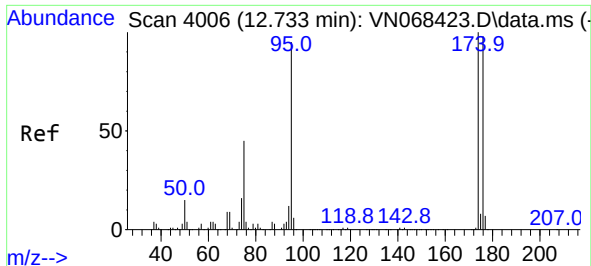
Tgt Ion: 98 Resp: 1112239
Ion Ratio Lower Upper
98 100
100 64.2 51.0 76.6



#60
Dibromochloromethane
Concen: 3.076 ug/l
RT: 10.980 min Scan# 3352
Delta R.T. -0.260 min
Lab File: VN068585.D
Acq: 21 Sep 2021 16:27

Tgt Ion:129 Resp: 11243
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.3#

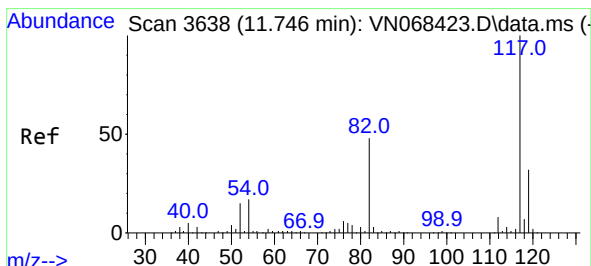
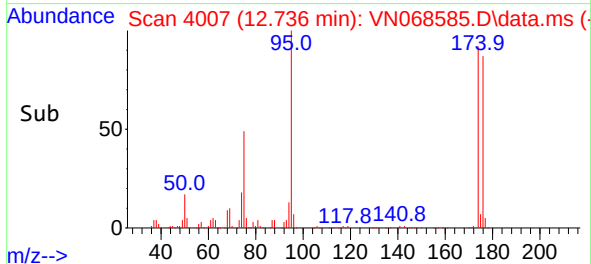
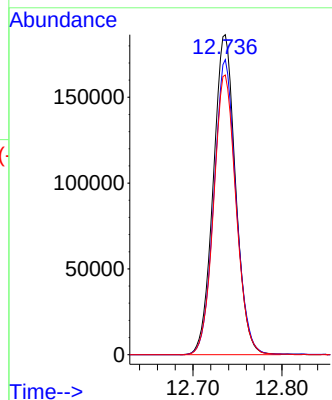
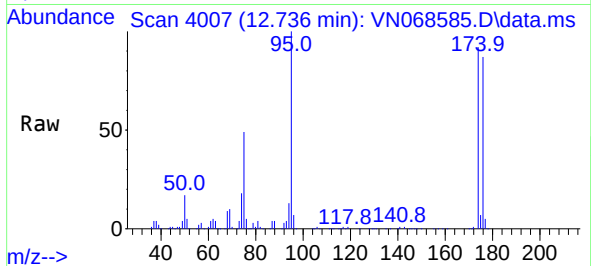




#62
4-Bromofluorobenzene
Concen: 42.272 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.003 min
Lab File: VN068585.D
Acq: 21 Sep 2021 16:27

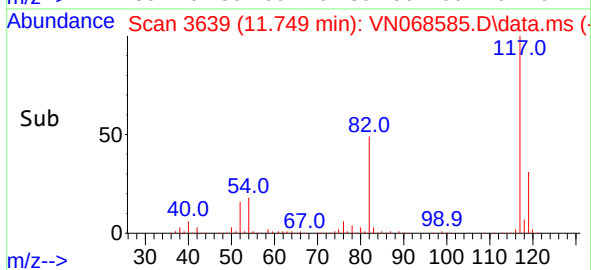
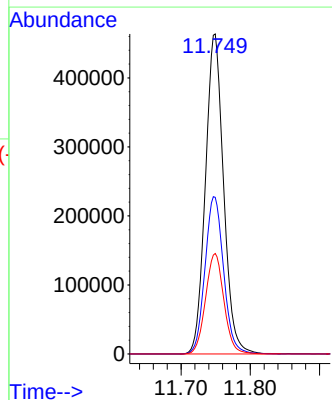
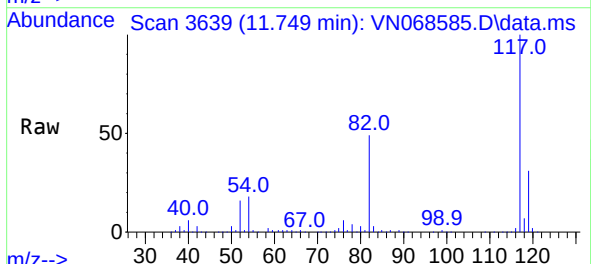
Instrument :
MSVOA_N
ClientSampleId :

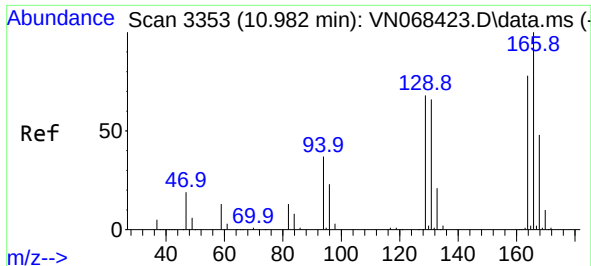
Tgt Ion: 95 Resp: 324204
Ion Ratio Lower Upper
95 100
174 91.6 0.0 214.0
176 88.0 0.0 205.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.749 min Scan# 3639
Delta R.T. 0.003 min
Lab File: VN068585.D
Acq: 21 Sep 2021 16:27

Tgt Ion: 117 Resp: 844731
Ion Ratio Lower Upper
117 100
82 48.9 38.7 58.1
119 31.4 25.5 38.3

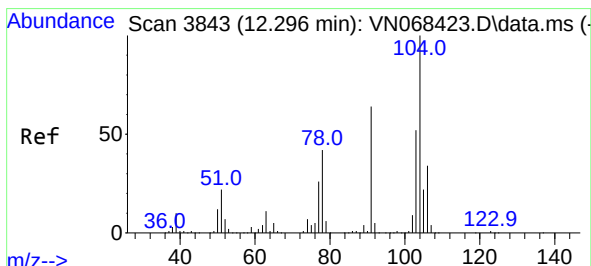
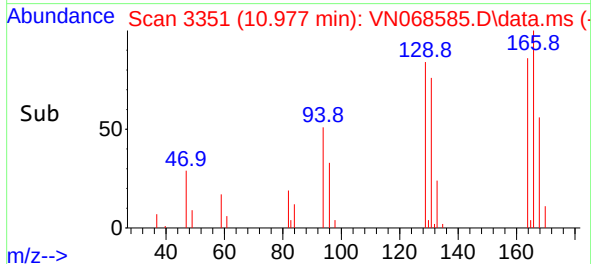
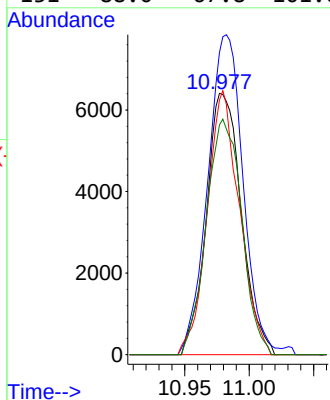
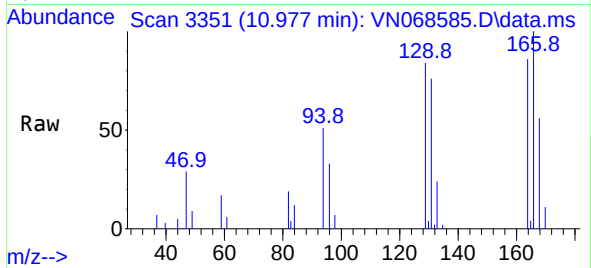




#64
Tetrachloroethene
Concen: 1.611 ug/l
RT: 10.977 min Scan# 3351
Delta R.T. -0.005 min
Lab File: VN068585.D
Acq: 21 Sep 2021 16:27

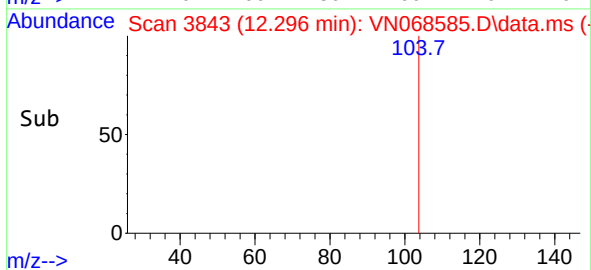
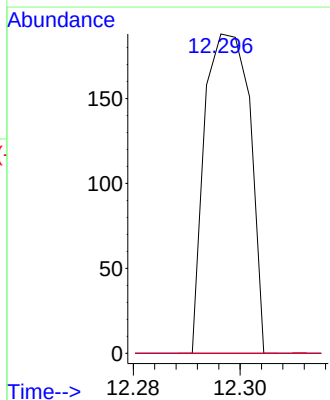
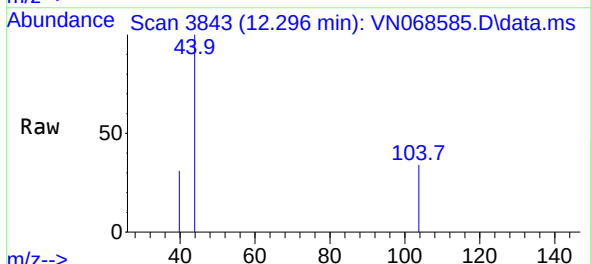
Instrument :
MSVOA_N
ClientSampleId :

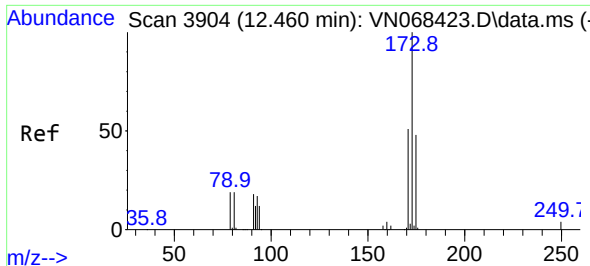
Tgt Ion:164 Resp: 12061
Ion Ratio Lower Upper
164 100
166 115.7 102.9 154.3
129 97.5 70.1 105.1
131 88.0 67.8 101.6



#70
Styrene
Concen: 1.759 ug/l
RT: 12.296 min Scan# 3843
Delta R.T. 0.000 min
Lab File: VN068585.D
Acq: 21 Sep 2021 16:27

Tgt Ion:104 Resp: 110
Ion Ratio Lower Upper
104 100
78 0.0 36.2 54.2#
103 0.0 44.4 66.6#

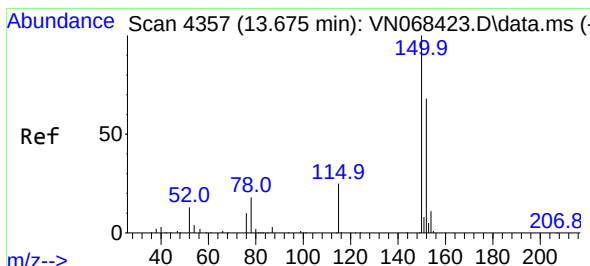
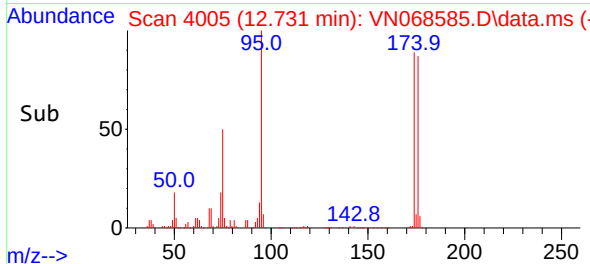
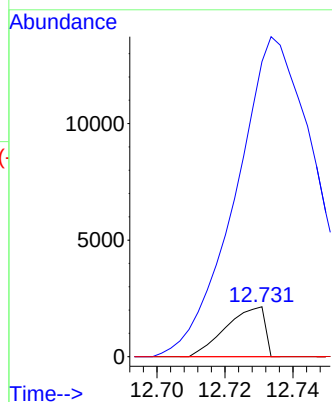
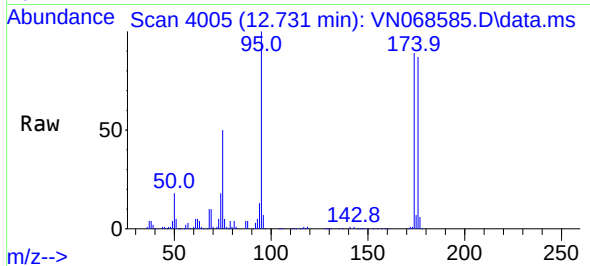




#71
Bromoform
Concen: 2.776 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.271 min
Lab File: VN068585.D
Acq: 21 Sep 2021 16:27

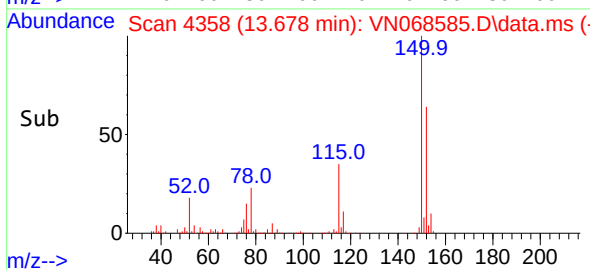
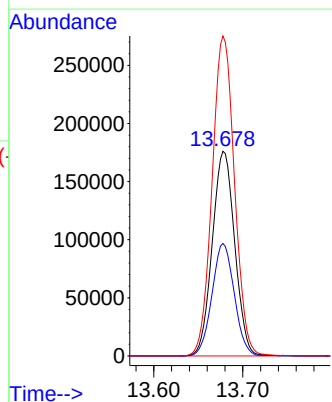
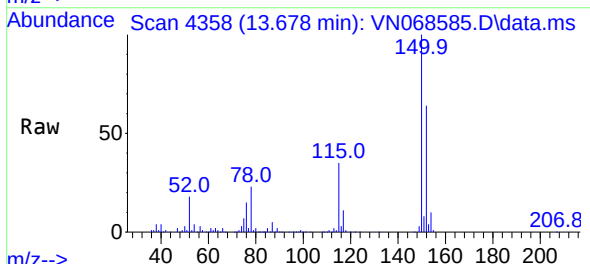
Instrument :
MSVOA_N
ClientSampled :

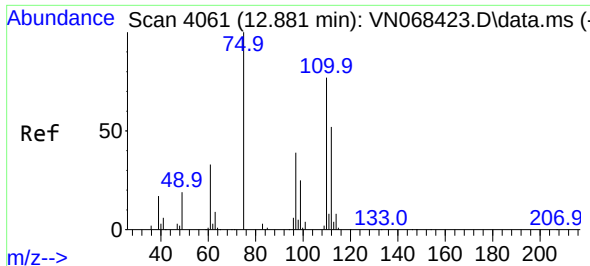
Tgt Ion:173 Resp: 1697
Ion Ratio Lower Upper
173 100
175 1229.4 24.1 72.3#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.678 min Scan# 4358
Delta R.T. 0.003 min
Lab File: VN068585.D
Acq: 21 Sep 2021 16:27

Tgt Ion:152 Resp: 309127
Ion Ratio Lower Upper
152 100
115 54.6 25.6 76.6
150 155.7 0.0 346.8

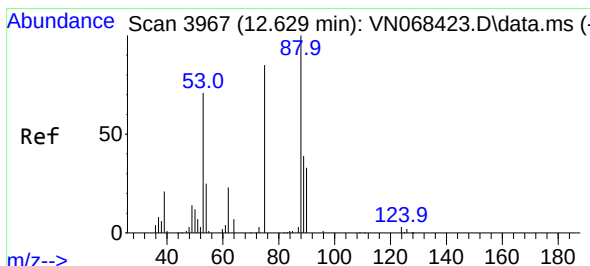
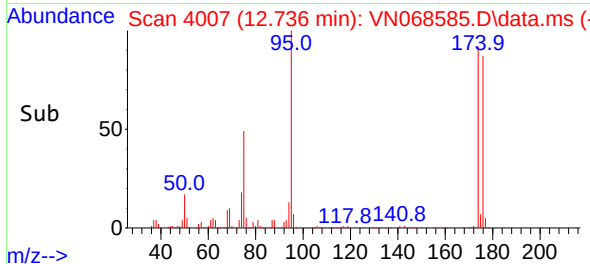
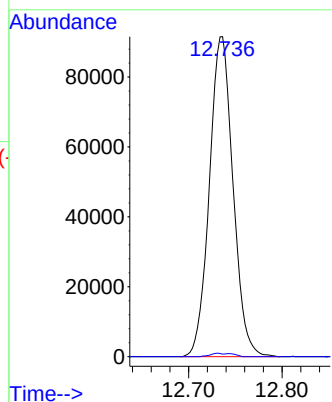
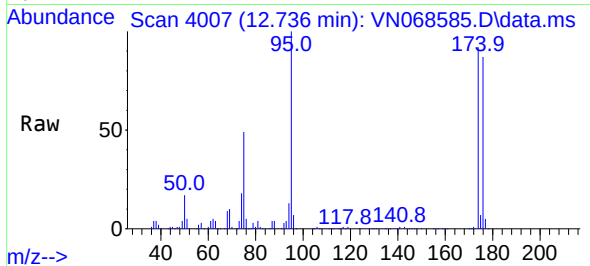




#76
1,2,3-Trichloropropane
Concen: 37.530 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. -0.145 min
Lab File: VN068585.D
Acq: 21 Sep 2021 16:27

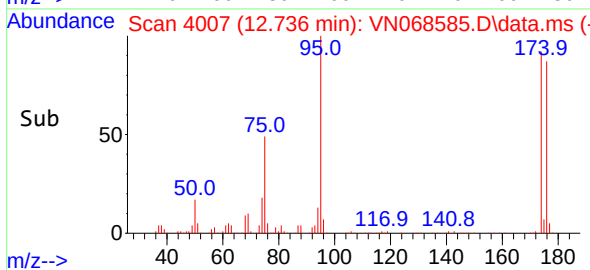
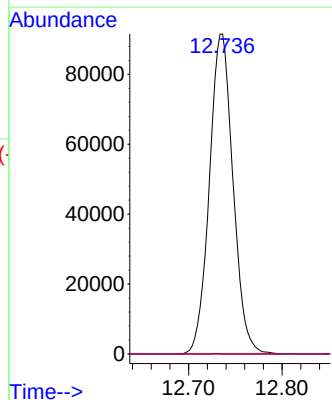
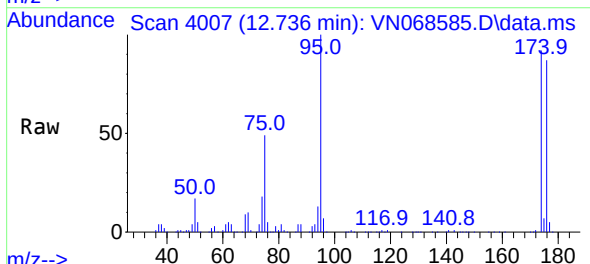
Instrument :
MSVOA_N
ClientSampled :

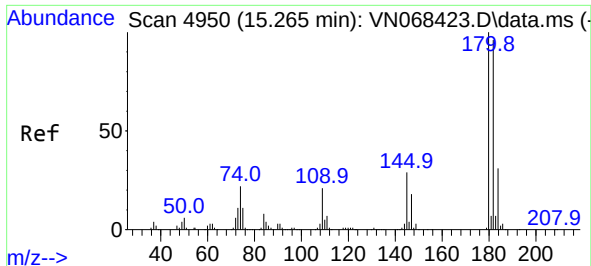
Tgt Ion: 75 Resp: 160704
Ion Ratio Lower Upper
75 100
77 0.6 100.9 302.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 115.212 ug/l
RT: 12.736 min Scan# 4007
Delta R.T. 0.107 min
Lab File: VN068585.D
Acq: 21 Sep 2021 16:27

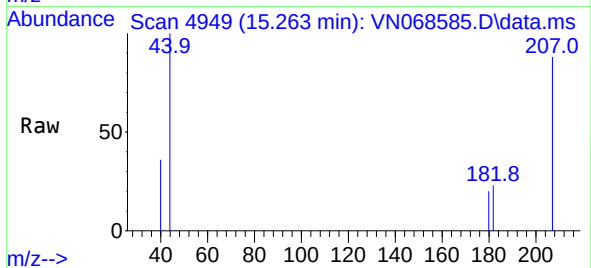
Tgt Ion: 75 Resp: 160704
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 39.5 59.3#



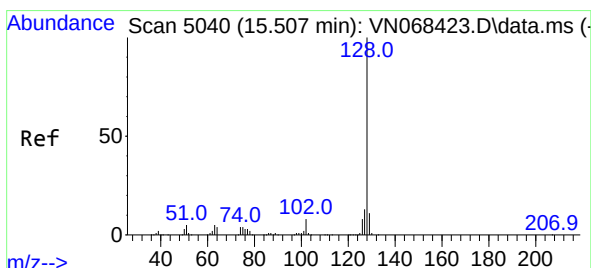
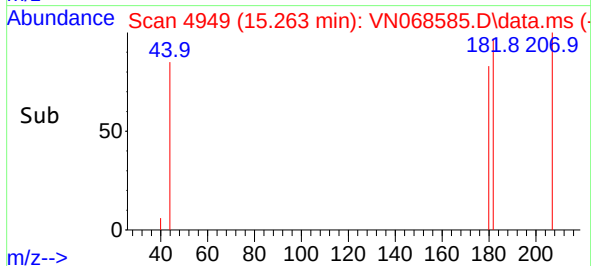
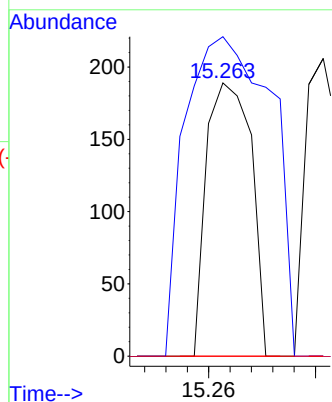


#93
1,2,4-Trichlorobenzene
Concen: 2.977 ug/l
RT: 15.263 min Scan# 4949
Delta R.T. -0.002 min
Lab File: VN068585.D
Acq: 21 Sep 2021 16:27

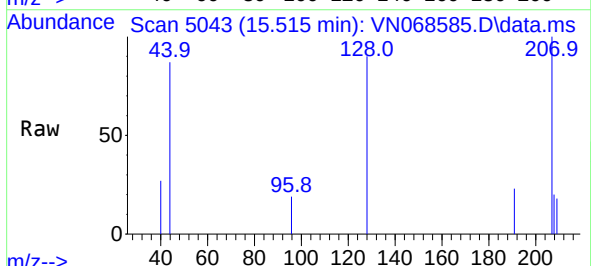
Instrument :
MSVOA_N
ClientSampled :



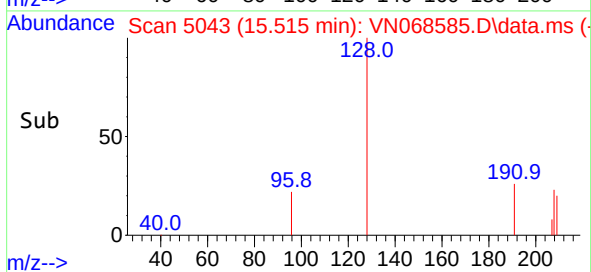
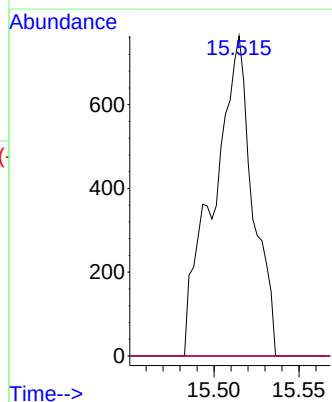
Tgt Ion:180 Resp: 110
Ion Ratio Lower Upper
180 100
182 224.5 47.5 142.6#
145 0.0 14.1 42.4#

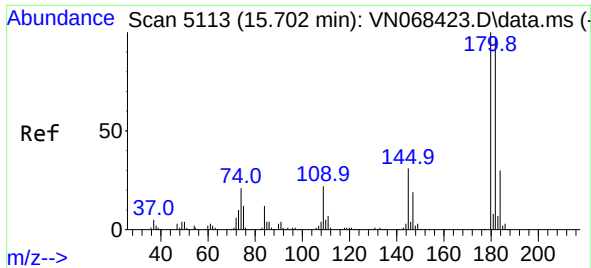


#95
Naphthalene
Concen: 3.590 ug/l
RT: 15.515 min Scan# 5043
Delta R.T. 0.008 min
Lab File: VN068585.D
Acq: 21 Sep 2021 16:27



Tgt Ion:128 Resp: 1228
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: 3.035 ug/l
 RT: 15.711 min Scan# 5116
 Delta R.T. 0.009 min
 Lab File: VN068585.D
 Acq: 21 Sep 2021 16:27

Instrument :
 MSVOA_N
 ClientSampleId :

Tgt Ion:180 Resp: 352
 Ion Ratio Lower Upper
 180 100
 182 14.5 47.9 143.6#
 145 0.0 15.2 45.5#

