

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082522\
 Data File : VN074125.D
 Acq On : 25 Aug 2022 19:42
 Operator : JC\MD
 Sample : N4280-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RE122D1-20220818

Quant Time: Aug 26 02:06:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

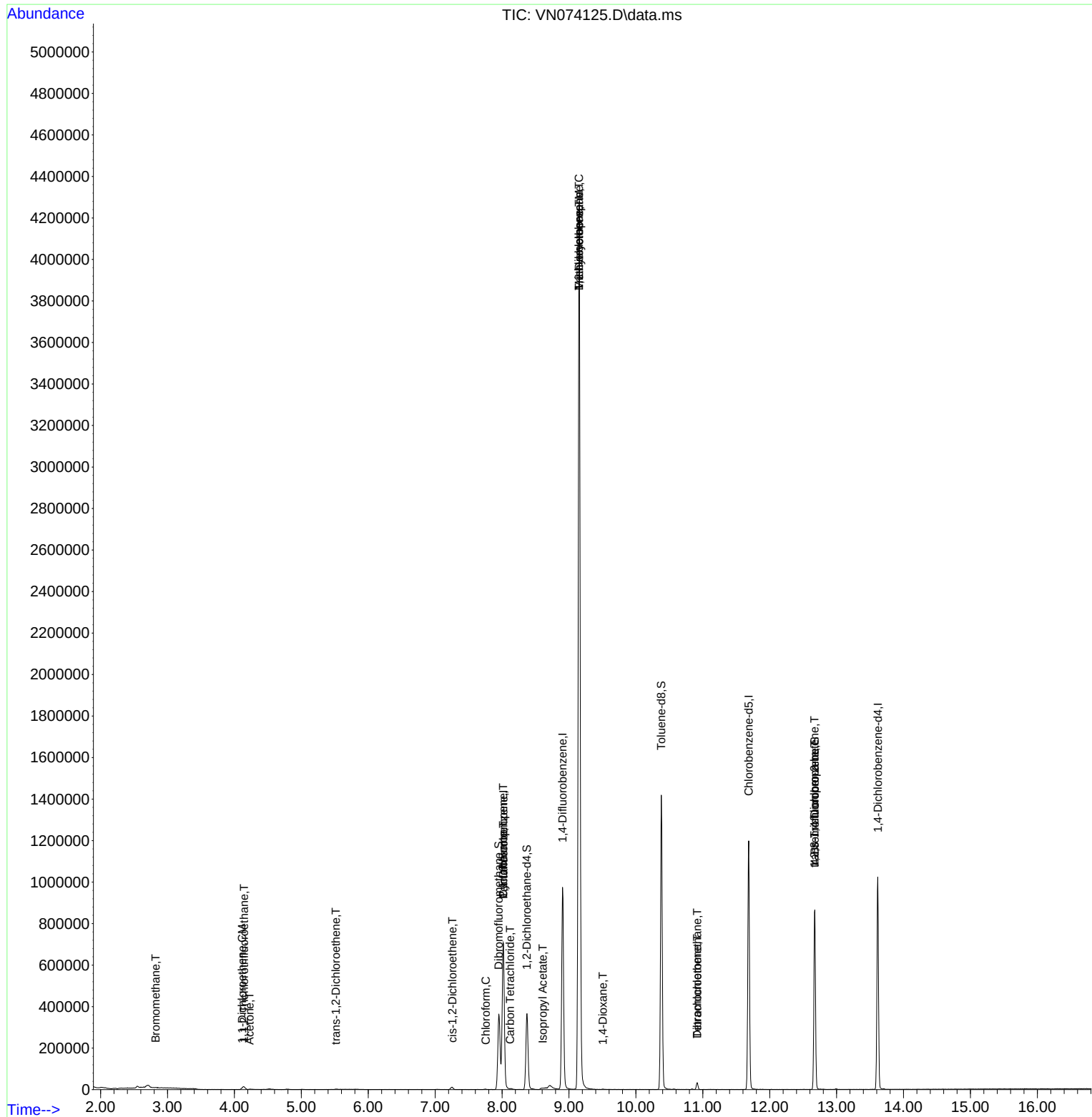
Internal Standards						
1) Pentafluorobenzene	8.022	168	598041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	899960	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	741640	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	290992	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	308020	52.880	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	105.760%
35) Dibromofluoromethane	7.951	113	273989	51.480	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.960%
50) Toluene-d8	10.380	98	1004396	48.727	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.460%
62) 4-Bromofluorobenzene	12.674	95	294499	43.049	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	86.100%
Target Compounds						
					Qvalue	
5) Bromomethane	2.822	94	1066	0.252	ug/l #	75
9) 1,1,2-Trichlorotrifluo...	4.145	101	9001	1.774	ug/l	96
12) 1,1-Dichloroethene	4.116	96	1724	0.365	ug/l #	78
16) Acetone	4.228	43	3588	1.306	ug/l	91
18) Methyl Acetate	4.787	43	3821	Below Cal	#	87
21) trans-1,2-Dichloroethene	5.516	96	1353	0.260	ug/l #	60
27) cis-1,2-Dichloroethene	7.257	96	7520	1.172	ug/l	86
30) Chloroform	7.757	83	2265	0.220	ug/l #	77
31) Cyclohexane	8.016	56	9722	1.197	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	40216	5.440	ug/l #	48
38) Carbon Tetrachloride	8.122	117	2226	0.263	ug/l #	66
39) Methylcyclohexane	9.151	83	18549	2.003	ug/l #	1
43) Isopropyl Acetate	8.610	43	7549	0.592	ug/l #	53
44) Trichloroethene	9.151	130	1659132	246.203	ug/l	99
45) 1,2-Dichloropropane	9.151	63	3582	0.641	ug/l #	1
49) 1,4-Dioxane	9.504	88	1335	8.223	ug/l #	92
60) Dibromochloromethane	10.916	129	7175	1.043	ug/l #	11
64) Tetrachloroethene	10.916	164	8459	1.445	ug/l	93
76) 1,2,3-Trichloropropane	12.668	75	144050	23.817	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	144050	67.740	ug/l #	10

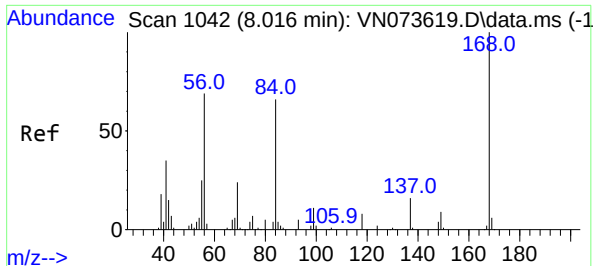
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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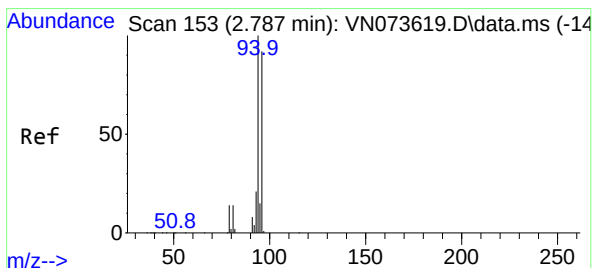
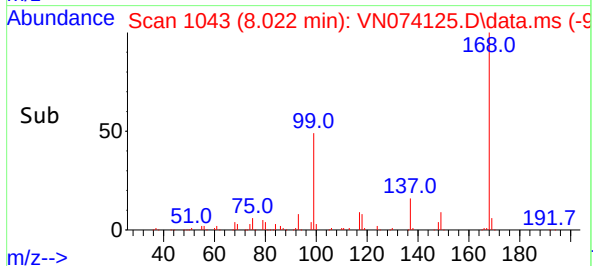
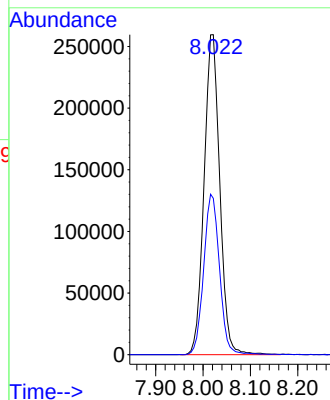
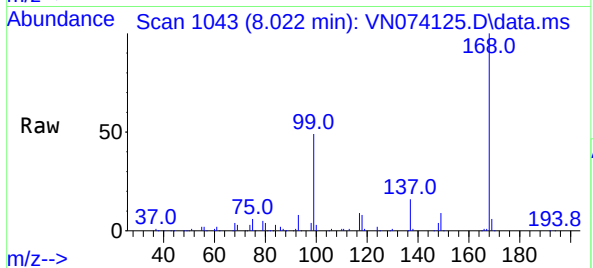




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

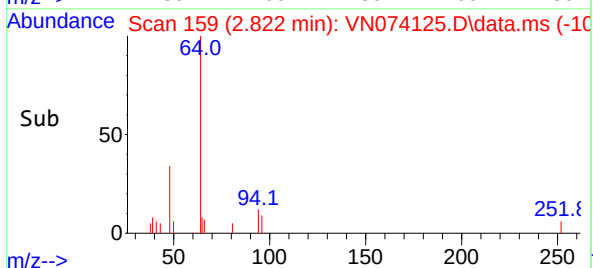
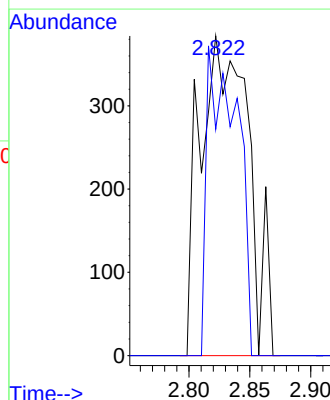
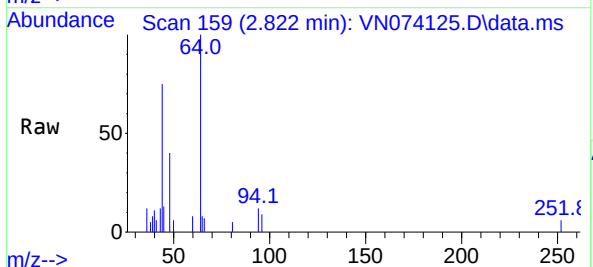
Instrument :
MSVOA_N
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RE122D1-20220818

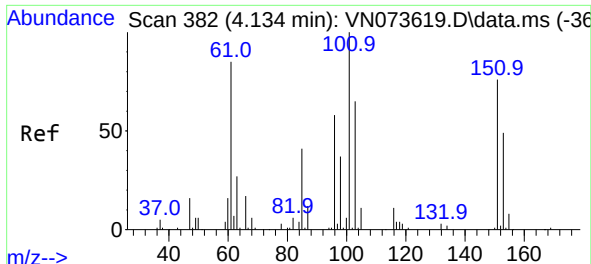
Tgt Ion:168 Resp: 598041
Ion Ratio Lower Upper
168 100
99 48.8 42.3 63.5



#5
Bromomethane
Concen: 0.252 ug/l
RT: 2.822 min Scan# 159
Delta R.T. 0.035 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

Tgt Ion: 94 Resp: 1066
Ion Ratio Lower Upper
94 100
96 70.8 76.0 114.0#

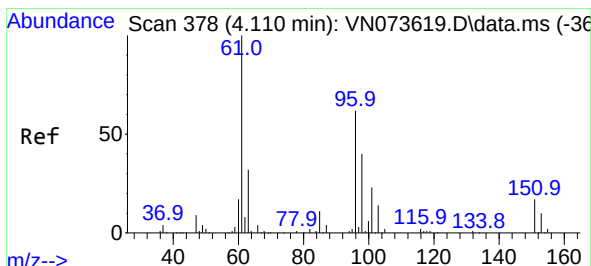
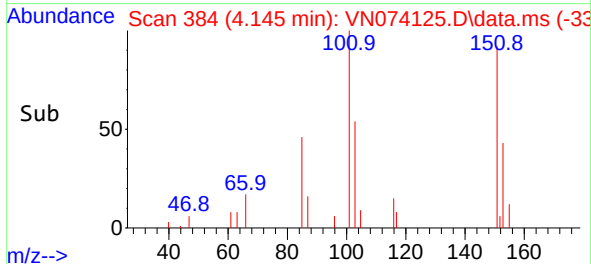
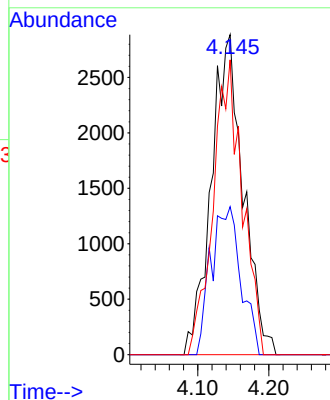
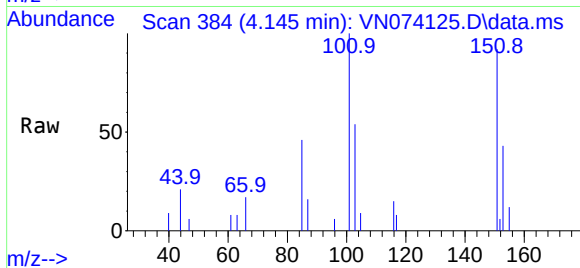




#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.774 ug/l
RT: 4.145 min Scan# 382
Delta R.T. 0.011 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

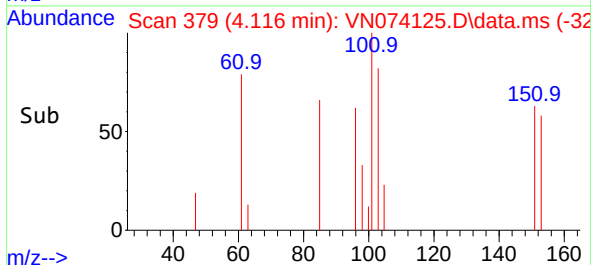
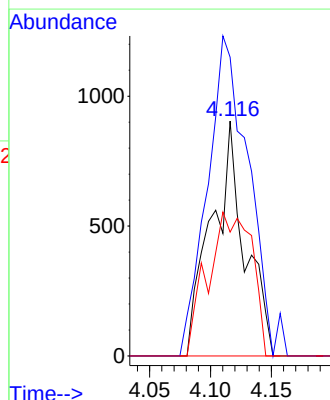
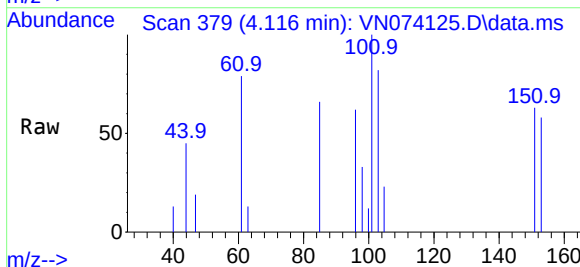
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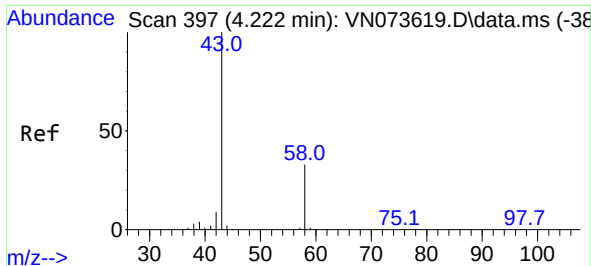
Tgt Ion:101 Resp: 9001
Ion Ratio Lower Upper
101 100
85 43.2 34.7 52.1
151 84.1 63.0 94.4



#12
1,1-Dichloroethene
Concen: 0.365 ug/l
RT: 4.116 min Scan# 379
Delta R.T. 0.006 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

Tgt Ion: 96 Resp: 1724
Ion Ratio Lower Upper
96 100
61 127.2 127.6 191.4#
98 52.8 51.2 76.8

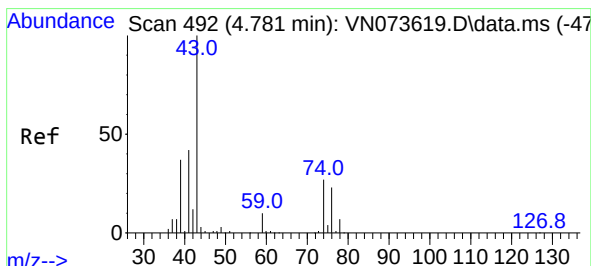
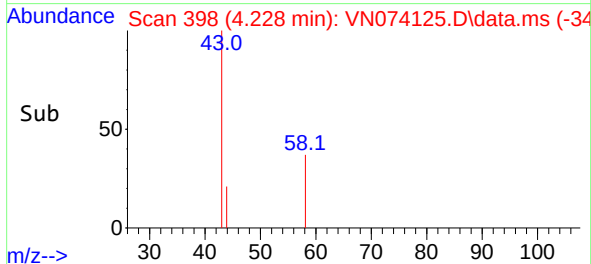
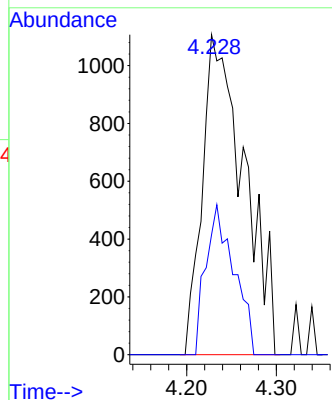
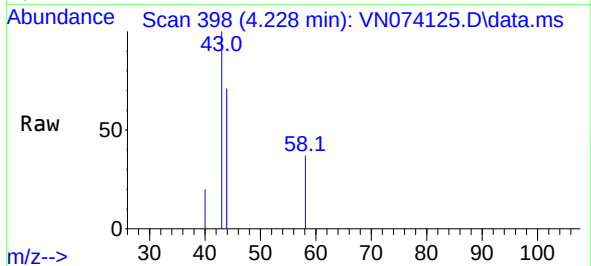




#16
Acetone
Concen: 1.306 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

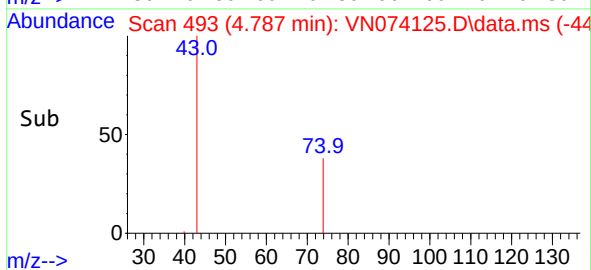
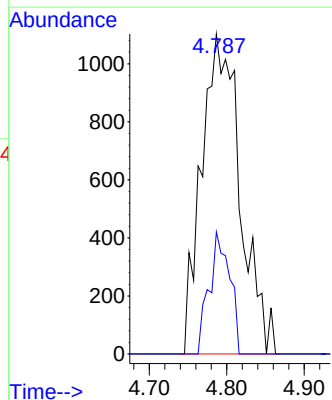
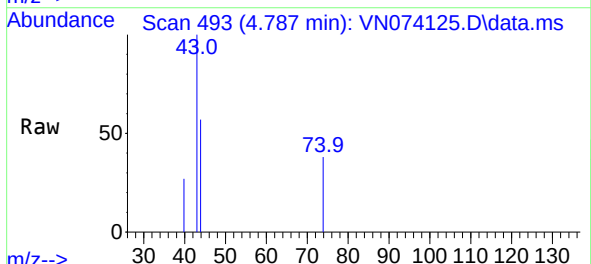
Instrument :
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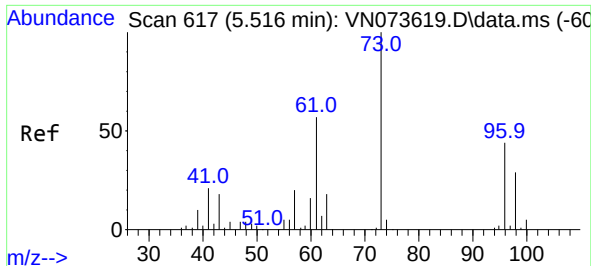
Tgt Ion: 43 Resp: 3588
Ion Ratio Lower Upper
43 100
58 37.5 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 493
Delta R.T. 0.006 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

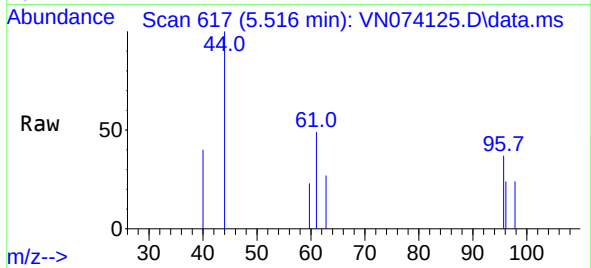
Tgt Ion: 43 Resp: 3821
Ion Ratio Lower Upper
43 100
74 20.3 21.6 32.4#



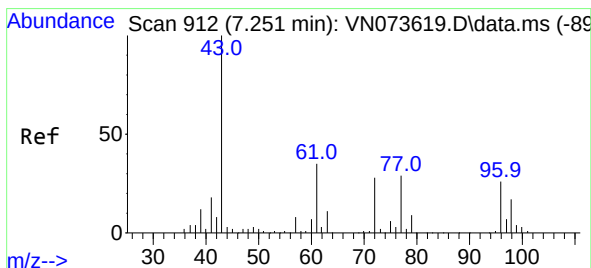
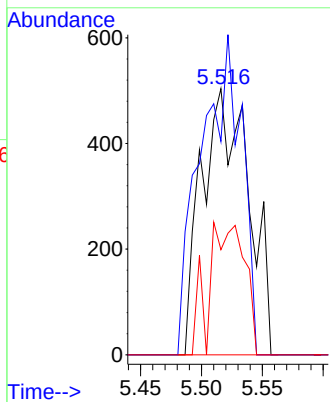
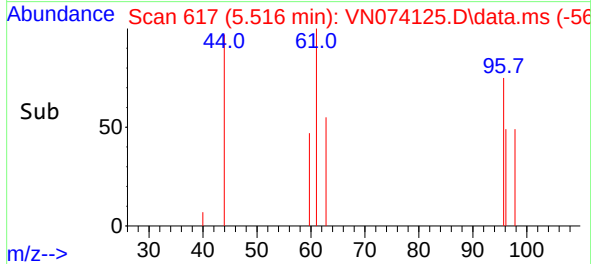


#21
trans-1,2-Dichloroethene
Concen: 0.260 ug/l
RT: 5.516 min Scan# 617
Delta R.T. -0.000 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

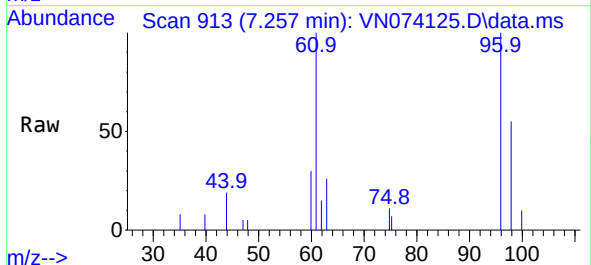
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20220818



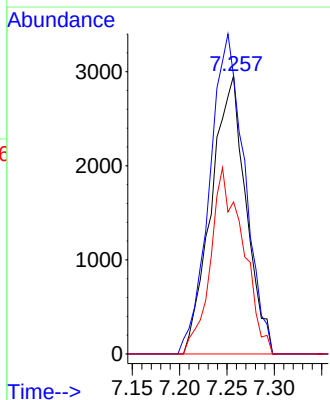
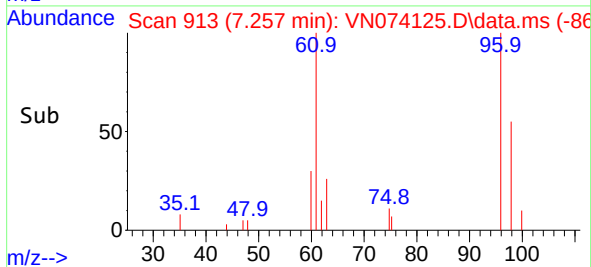
Tgt Ion: 96 Resp: 1353
Ion Ratio Lower Upper
96 100
61 80.2 105.8 158.8#
98 39.5 50.3 75.5#

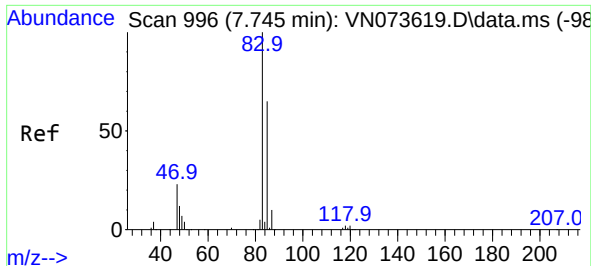


#27
cis-1,2-Dichloroethene
Concen: 1.172 ug/l
RT: 7.257 min Scan# 913
Delta R.T. 0.006 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42



Tgt Ion: 96 Resp: 7520
Ion Ratio Lower Upper
96 100
61 116.3 0.0 280.6
98 63.0 0.0 128.4

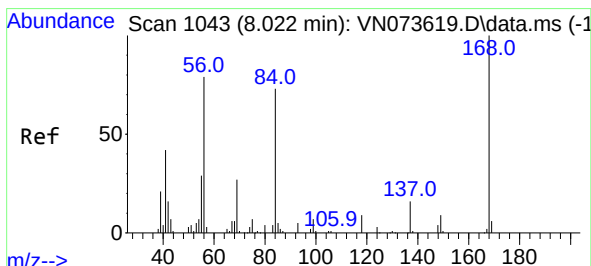
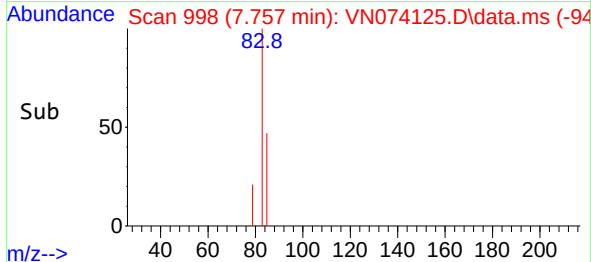
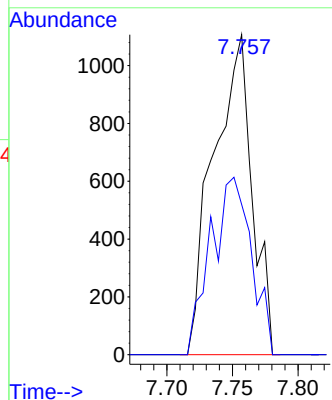
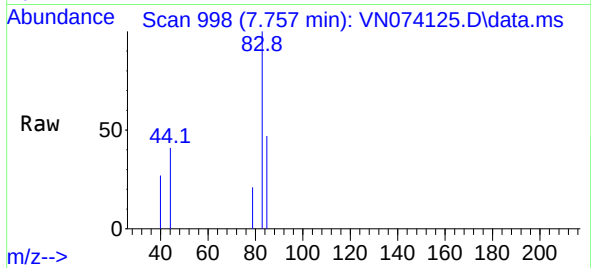




#30
Chloroform
Concen: 0.220 ug/l
RT: 7.757 min Scan# 996
Delta R.T. 0.012 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

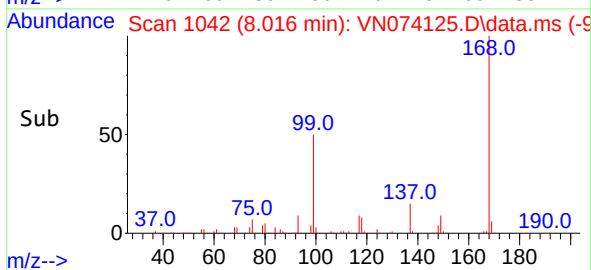
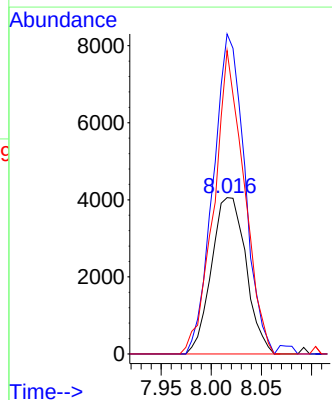
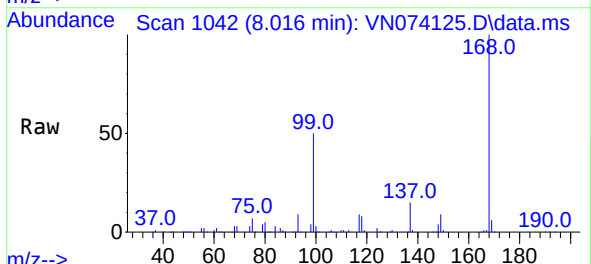
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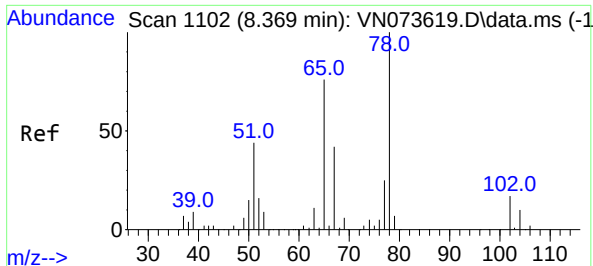
Tgt Ion: 83 Resp: 2265
Ion Ratio Lower Upper
83 100
85 47.0 51.8 77.8#



#31
Cyclohexane
Concen: 1.197 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.006 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

Tgt Ion: 56 Resp: 9722
Ion Ratio Lower Upper
56 100
69 204.6 27.8 41.8#
84 194.0 76.9 115.3#

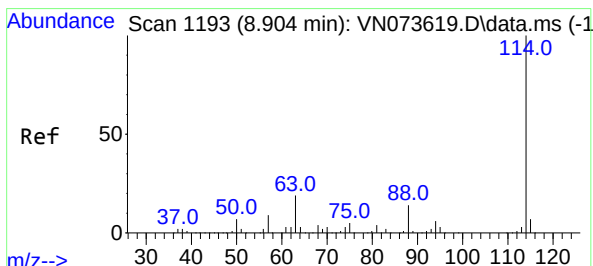
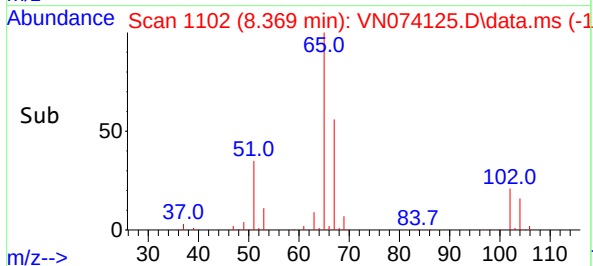
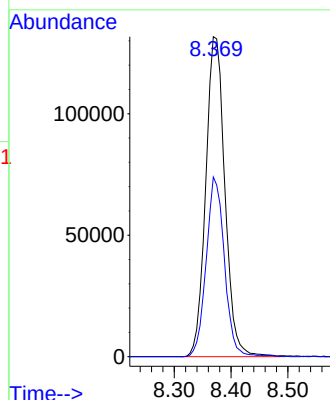
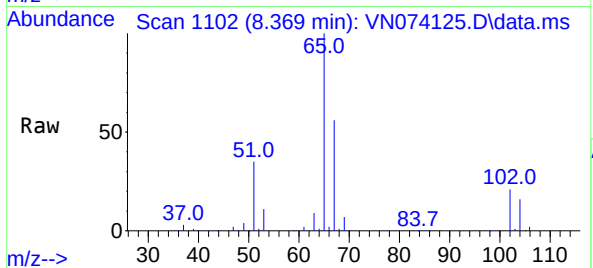




#33
1,2-Dichloroethane-d4
Concen: 52.880 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

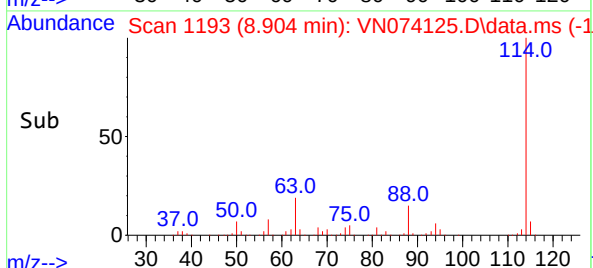
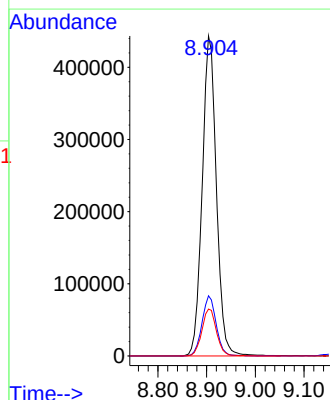
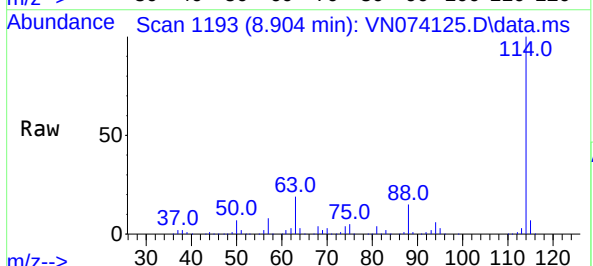
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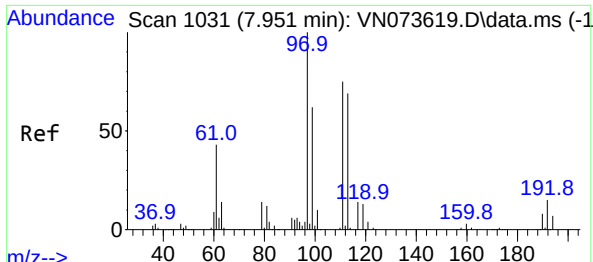
Tgt Ion: 65 Resp: 308020
Ion Ratio Lower Upper
65 100
67 53.3 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

Tgt Ion: 114 Resp: 899960
Ion Ratio Lower Upper
114 100
63 18.8 0.0 40.0
88 14.7 0.0 32.6

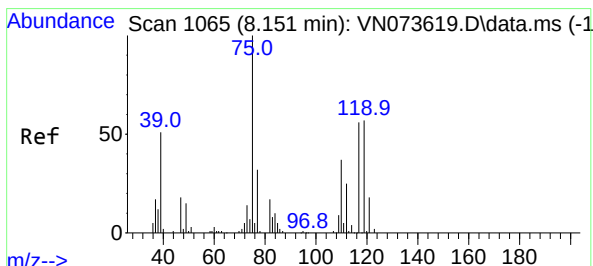
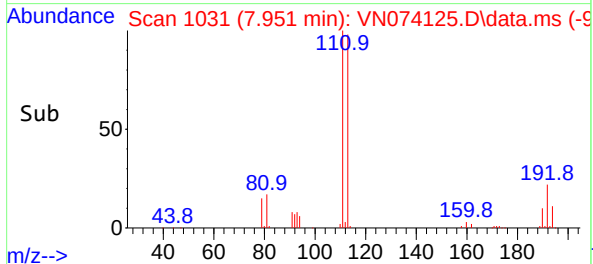
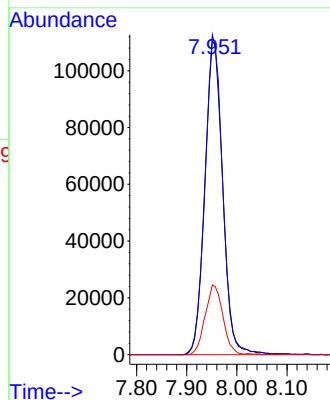
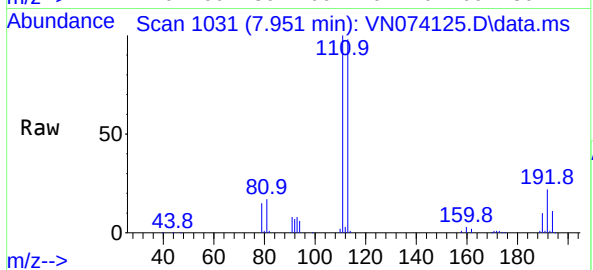




#35
Dibromofluoromethane
Concen: 51.480 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

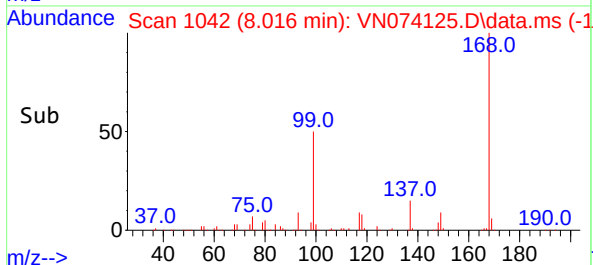
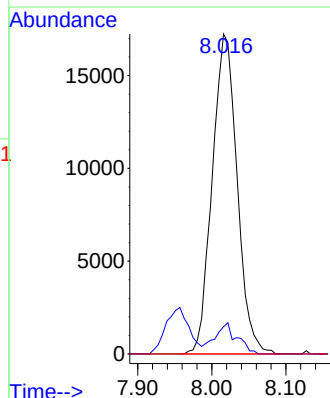
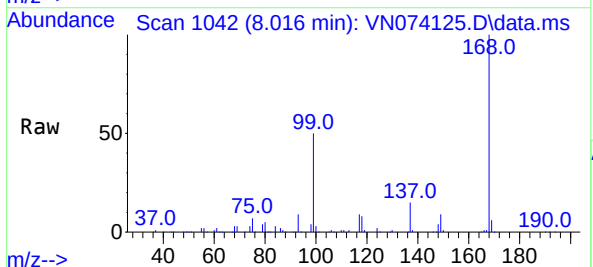
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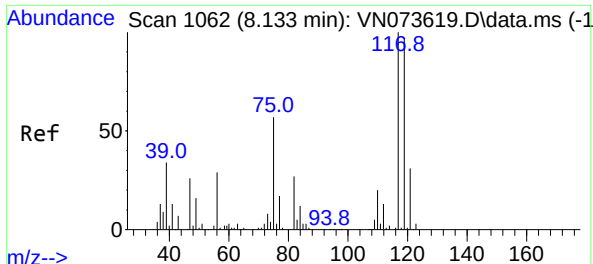
Tgt Ion:113 Resp: 273989
Ion Ratio Lower Upper
113 100
111 100.7 81.4 122.0
192 22.1 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.440 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

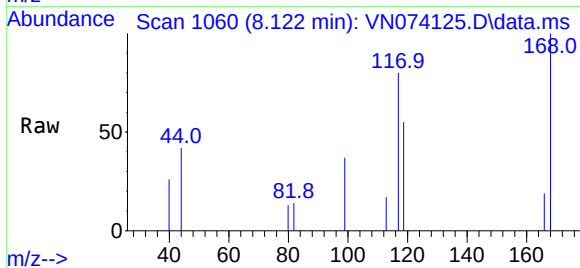
Tgt Ion: 75 Resp: 40216
Ion Ratio Lower Upper
75 100
110 8.6 18.3 54.8#
77 0.0 25.1 37.7#



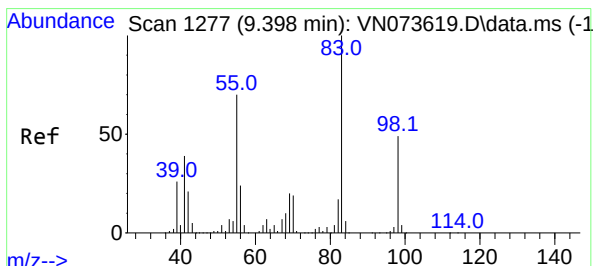
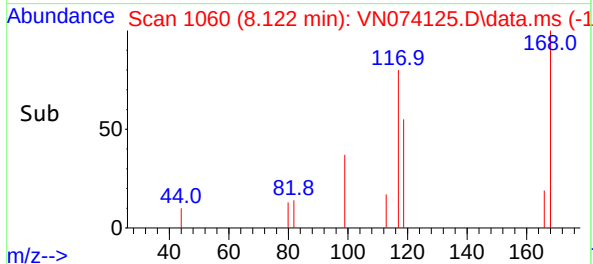
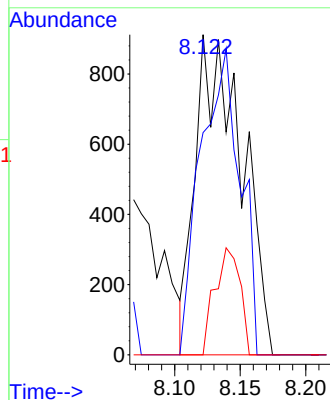


#38
Carbon Tetrachloride
Concen: 0.263 ug/l
RT: 8.122 min Scan# 1060
Delta R.T. -0.011 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

Instrument :
MSVOA_N
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RE122D1-20220818

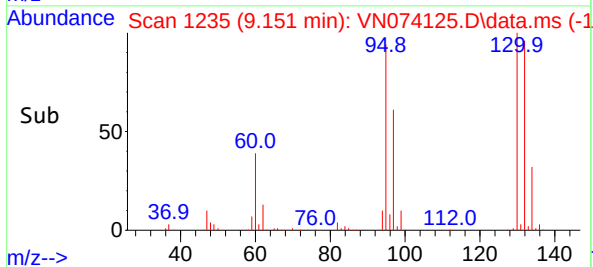
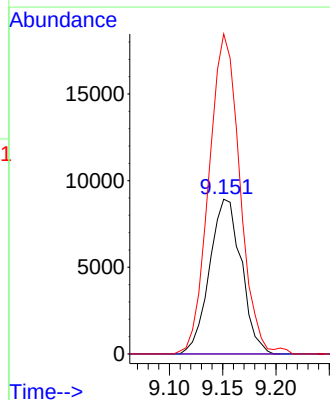
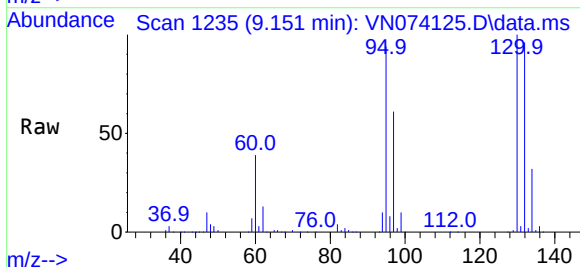


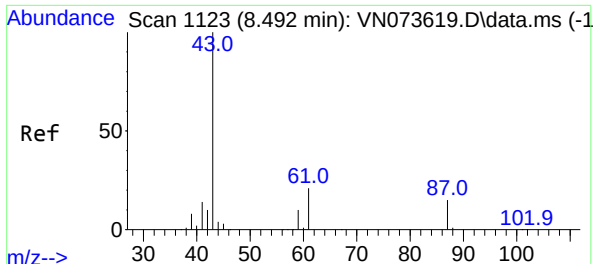
Tgt Ion:117 Resp: 2226
Ion Ratio Lower Upper
117 100
119 69.4 75.8 113.8#
121 0.0 24.6 37.0#



#39
Methylcyclohexane
Concen: 2.003 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. -0.247 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

Tgt Ion: 83 Resp: 18549
Ion Ratio Lower Upper
83 100
55 0.0 57.8 86.8#
98 205.0 39.4 59.2#

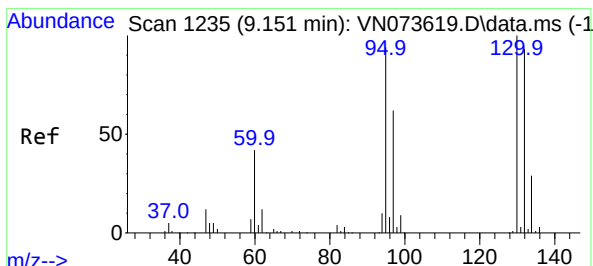
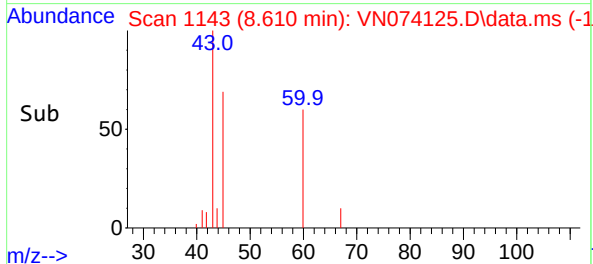
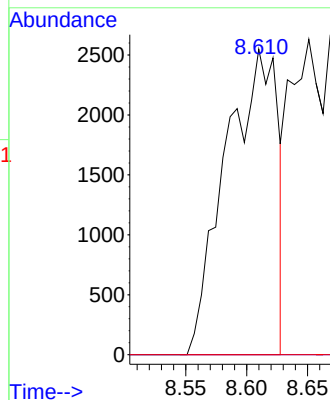
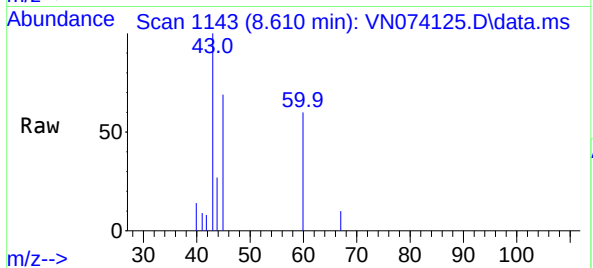




#43
Isopropyl Acetate
Concen: 0.592 ug/l
RT: 8.610 min Scan# 1123
Delta R.T. 0.118 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

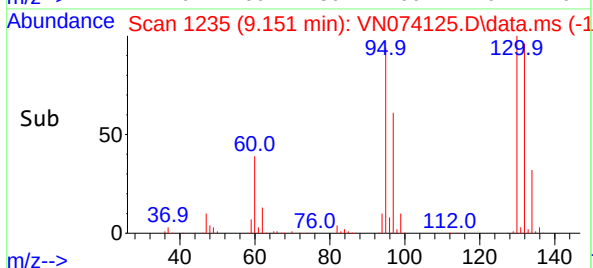
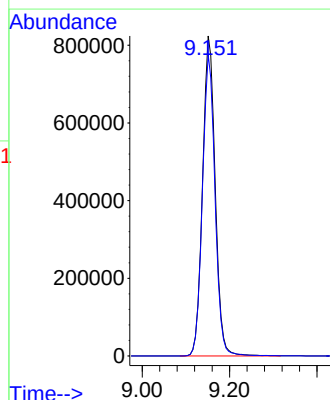
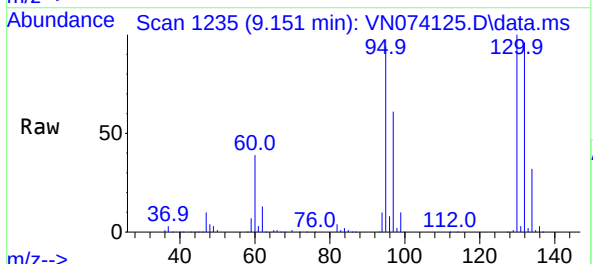
Instrument : MSVOA_N
ClientSampleId : RE122D1-20220818

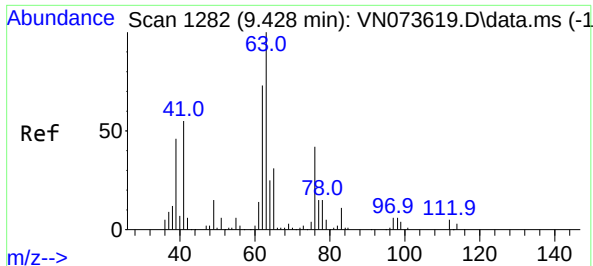
Tgt Ion: 43 Resp: 7549
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 12.0 18.0#



#44
Trichloroethene
Concen: 246.203 ug/l
RT: 9.151 min Scan# 1235
Delta R.T. -0.000 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

Tgt Ion:130 Resp: 1659132
Ion Ratio Lower Upper
130 100
95 94.2 0.0 186.8





#45

1,2-Dichloropropane

Concen: 0.641 ug/l

RT: 9.151 min Scan# 11

Delta R.T. -0.277 min

Lab File: VN074125.D

Acq: 25 Aug 2022 19:42

Instrument :

MSVOA_N

ClientSampleId :

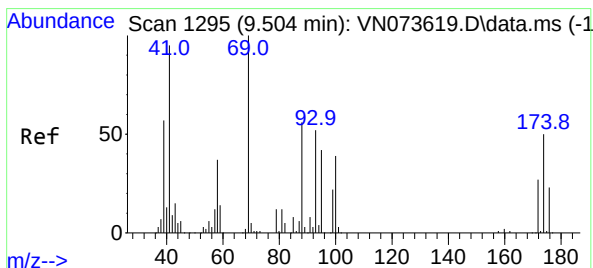
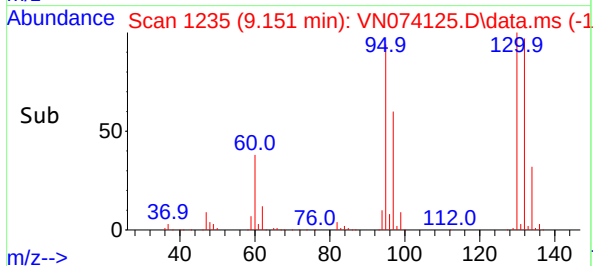
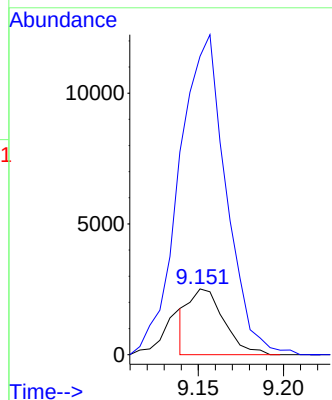
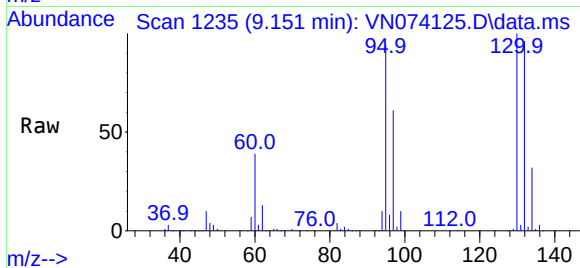
RE122D1-20220818

Tgt Ion: 63 Resp: 3582

Ion Ratio Lower Upper

63 100

65 447.5 24.9 37.3#



#49

1,4-Dioxane

Concen: 8.223 ug/l

RT: 9.504 min Scan# 1295

Delta R.T. -0.000 min

Lab File: VN074125.D

Acq: 25 Aug 2022 19:42

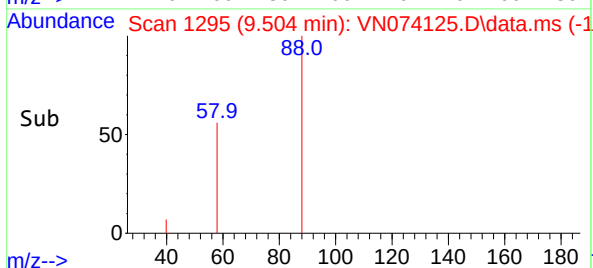
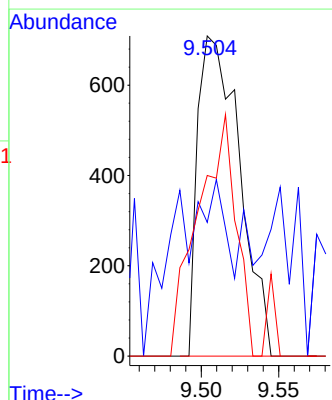
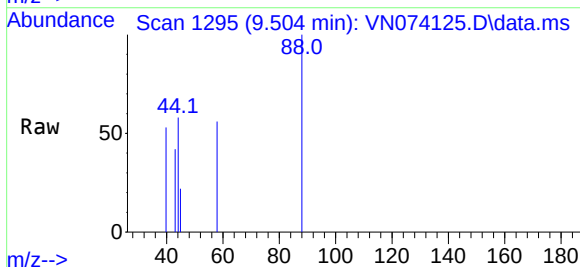
Tgt Ion: 88 Resp: 1335

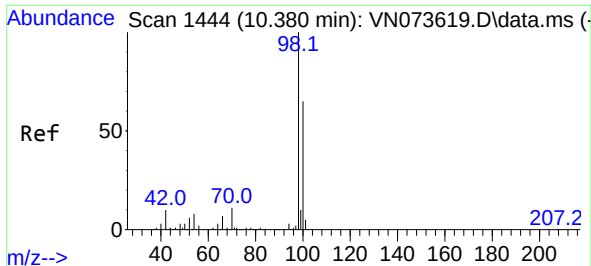
Ion Ratio Lower Upper

88 100

43 39.3 20.2 30.4#

58 68.7 54.2 81.4

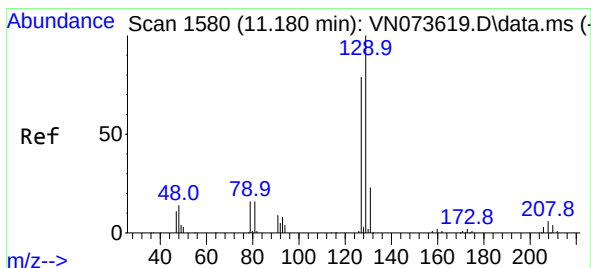
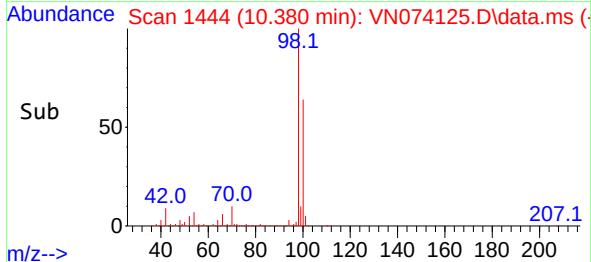
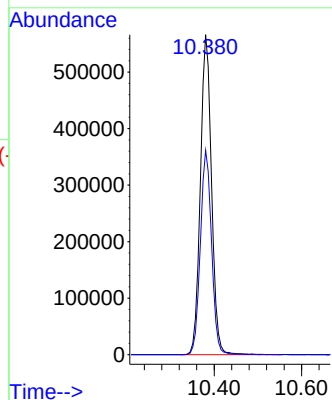
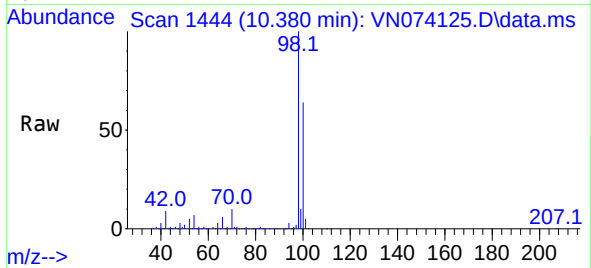




#50
Toluene-d8
Concen: 48.727 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

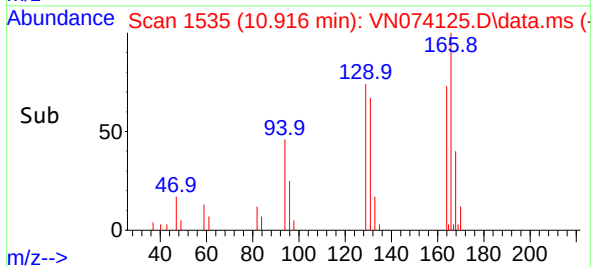
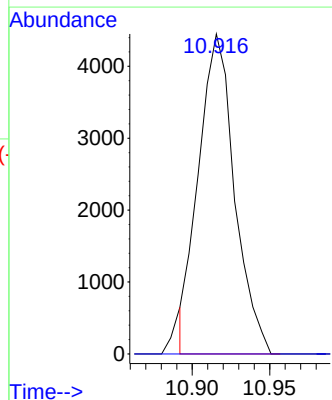
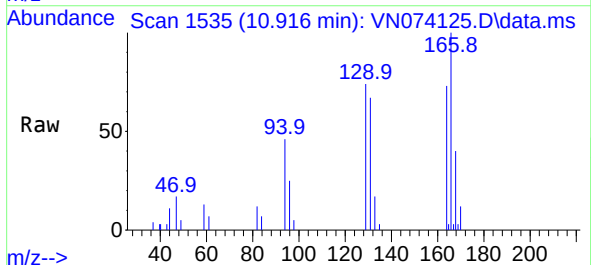
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20220818

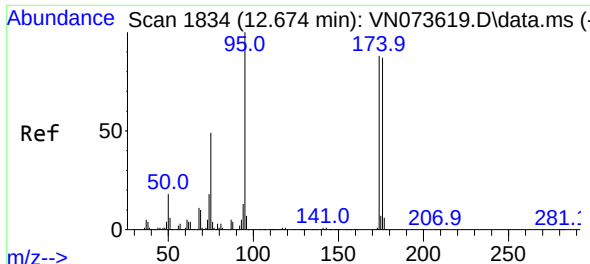
Tgt Ion: 98 Resp: 1004396
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8



#60
Dibromochloromethane
Concen: 1.043 ug/l
RT: 10.916 min Scan# 1535
Delta R.T. -0.264 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

Tgt Ion:129 Resp: 7175
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#

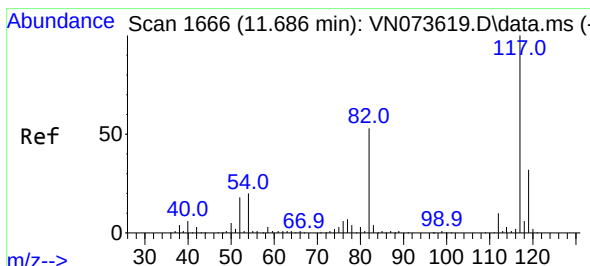
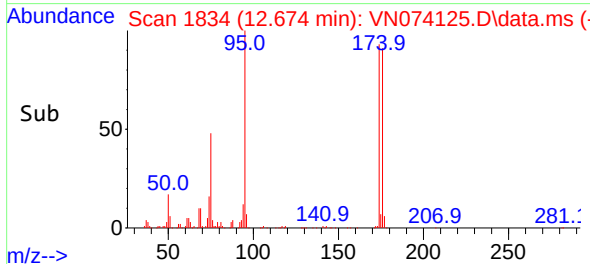
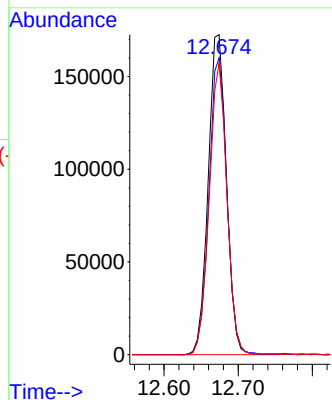
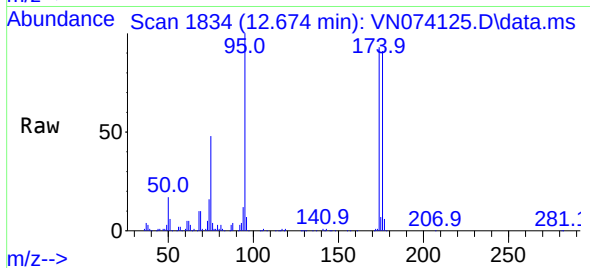




#62
4-Bromofluorobenzene
Concen: 43.049 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

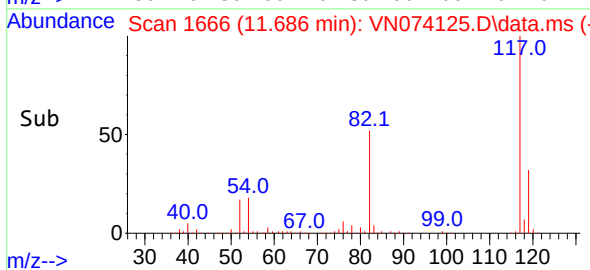
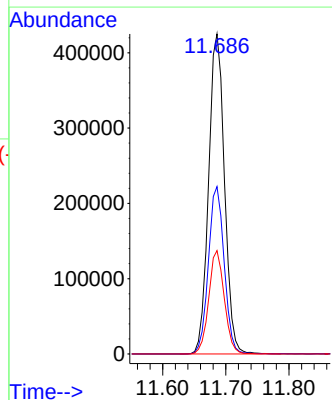
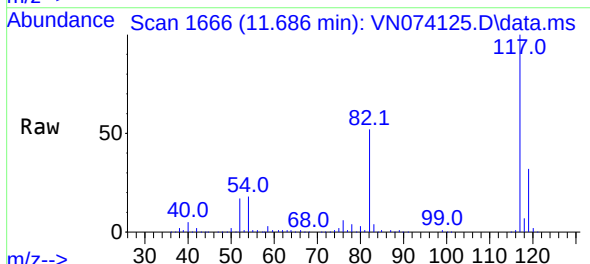
Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20220818

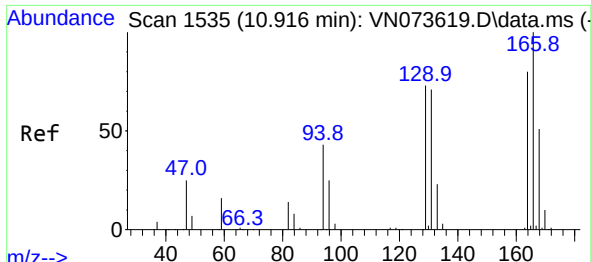
Tgt Ion: 95 Resp: 294499
Ion Ratio Lower Upper
95 100
174 91.8 0.0 167.6
176 88.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

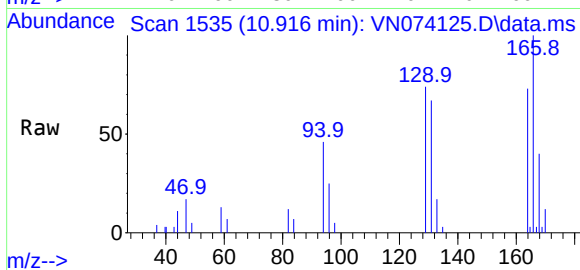
Tgt Ion: 117 Resp: 741640
Ion Ratio Lower Upper
117 100
82 52.3 44.2 66.2
119 32.3 25.4 38.0





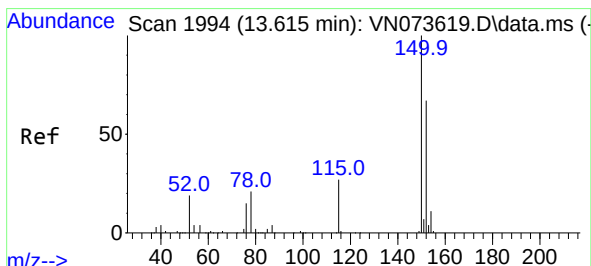
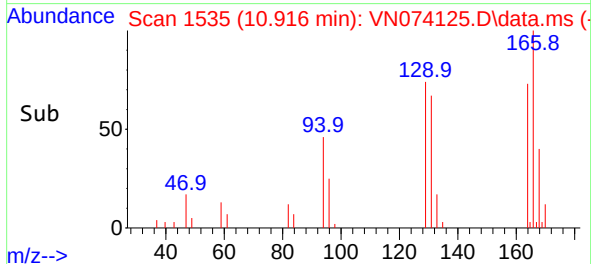
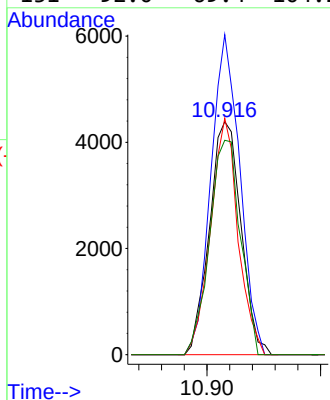
#64
Tetrachloroethene
Concen: 1.445 ug/l
RT: 10.916 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:164 Resp: 8459

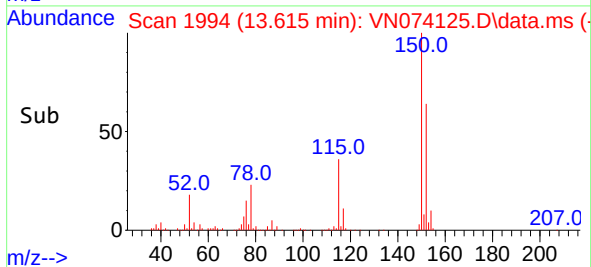
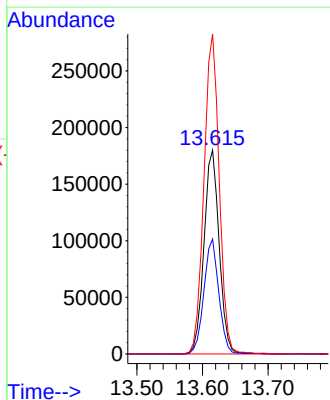
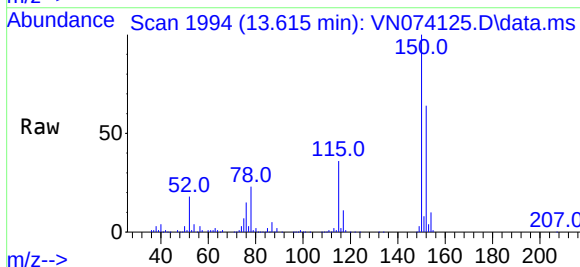
Ion	Ratio	Lower	Upper
164	100		
166	137.3	104.2	156.2
129	101.4	73.9	110.9
131	92.0	69.4	104.2

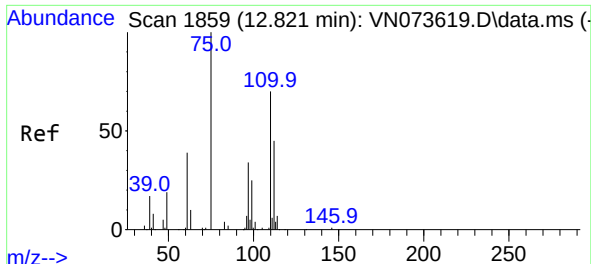


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

Tgt Ion:152 Resp: 290992

Ion	Ratio	Lower	Upper
152	100		
115	55.4	28.9	86.7
150	157.6	0.0	356.2

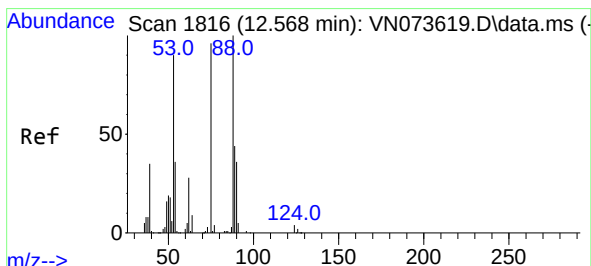
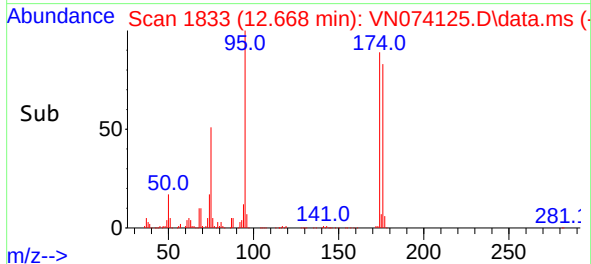
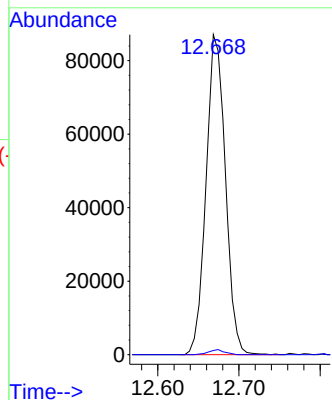
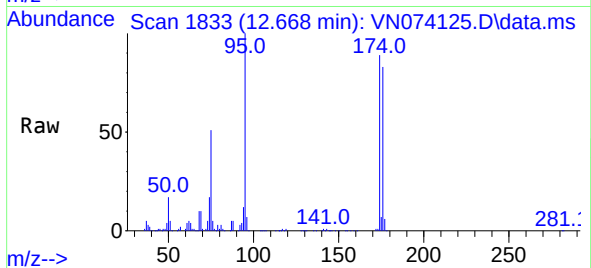




#76
1,2,3-Trichloropropane
Concen: 23.817 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.153 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

Instrument :
MSVOA_N
ClientSampleId :
RE122D1-20220818

Tgt Ion: 75 Resp: 144050
Ion Ratio Lower Upper
75 100
77 1.3 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.740 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.100 min
Lab File: VN074125.D
Acq: 25 Aug 2022 19:42

Tgt Ion: 75 Resp: 144050
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

