

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112822\
 Data File : VN075447.D
 Acq On : 28 Nov 2022 14:36
 Operator : JC\MD
 Sample : N5757-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TT101D2-20221121

Quant Time: Nov 29 05:32:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

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

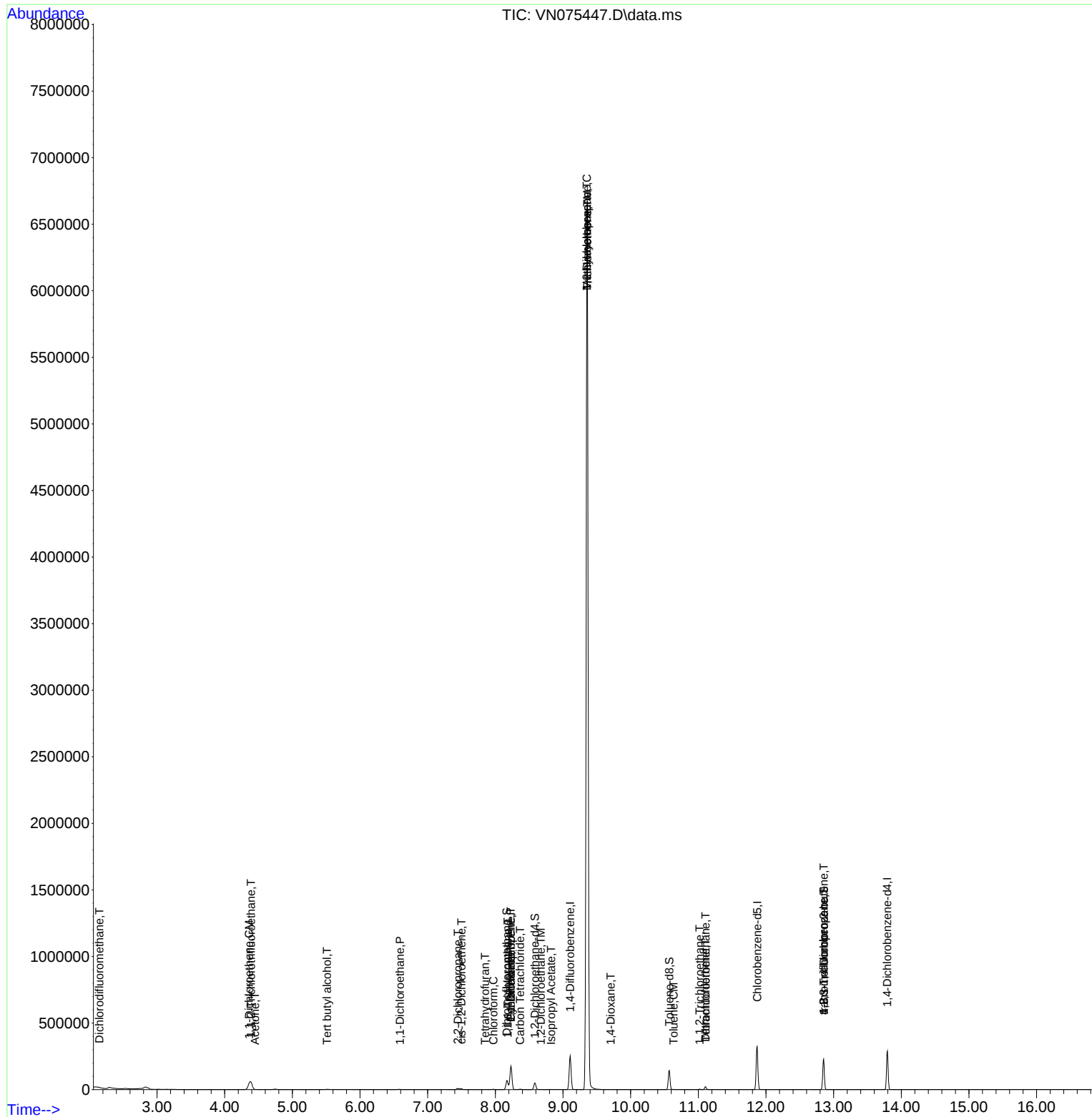
Internal Standards						
1) Pentafluorobenzene	8.230	168	129077	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	229627	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	202341	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	80473	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	40587	58.578	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	117.160%
35) Dibromofluoromethane	8.171	113	48570	53.844	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	107.680%
50) Toluene-d8	10.571	98	105313	51.836	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	103.680%
62) 4-Bromofluorobenzene	12.853	95	79142	52.776	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	105.560%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.148	85	268	0.272	ug/l #	41
9) 1,1,2-Trichlorotrifluo...	4.389	101	40295	33.010	ug/l	95
11) Tert butyl alcohol	5.512	59	2302	7.914	ug/l #	72
12) 1,1-Dichloroethene	4.359	96	10672	8.928	ug/l	86
16) Acetone	4.448	43	385	0.596	ug/l #	43
18) Methyl Acetate	5.042	43	775	Below Cal	#	61
24) 1,1-Dichloroethane	6.589	63	3640	1.607	ug/l #	82
26) 2,2-Dichloropropane	7.447	77	525	0.249	ug/l #	53
27) cis-1,2-Dichloroethene	7.500	96	4429	2.875	ug/l	86
29) Tetrahydrofuran	7.847	42	372	0.678	ug/l #	41
30) Chloroform	7.971	83	2618	1.007	ug/l	99
31) Cyclohexane	8.230	56	2338	1.062	ug/l #	38
32) 1,1,1-Trichloroethane	8.183	97	980	0.415	ug/l #	40
36) 1,1-Dichloropropene	8.230	75	9549	4.854	ug/l #	51
38) Carbon Tetrachloride	8.365	117	2811	1.301	ug/l	86
39) Methylcyclohexane	9.353	83	28809	11.702	ug/l #	1
42) 1,2-Dichloroethane	8.671	62	491	0.243	ug/l #	75
43) Isopropyl Acetate	8.824	43	1139	0.401	ug/l #	53
44) Trichloroethene	9.359	130	2343582	1422.071	ug/l	100
45) 1,2-Dichloropropane	9.353	63	6876	4.791	ug/l #	1
49) 1,4-Dioxane	9.706	88	438	11.733	ug/l #	52
52) Toluene	10.635	92	1010	0.260	ug/l	81
55) 1,1,2-Trichloroethane	11.018	97	1513	0.957	ug/l	89
60) Dibromochloromethane	11.106	129	5319	3.278	ug/l #	11
64) Tetrachloroethene	11.106	164	5257	3.402	ug/l	91
76) 1,2,3-Trichloropropane	12.853	75	39810	26.164	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	39810	77.415	ug/l #	10

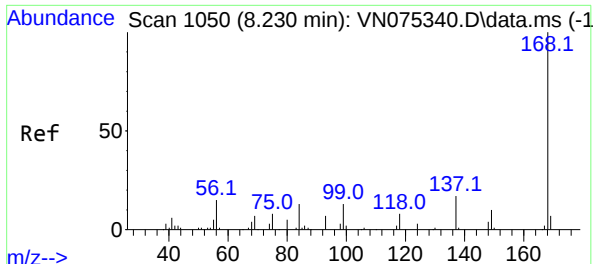
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Nov 23 00:18:03 2022
Response via : Initial Calibration

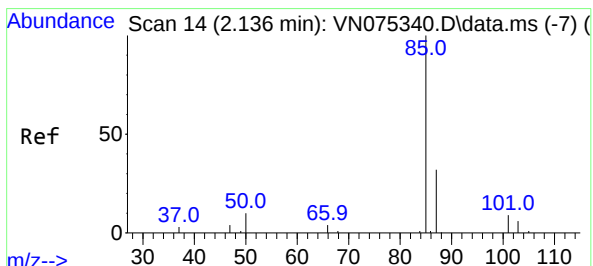
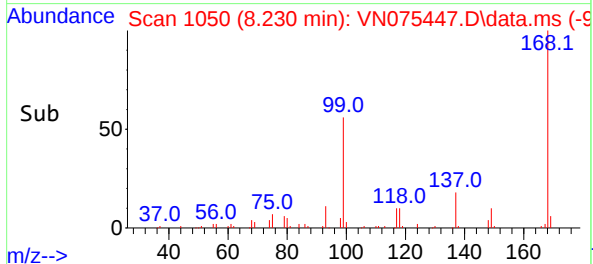
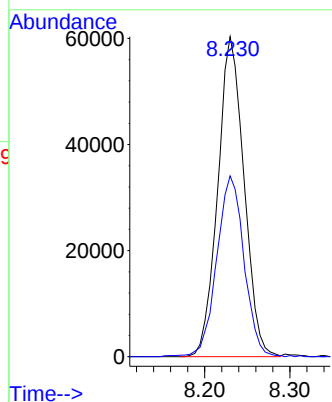
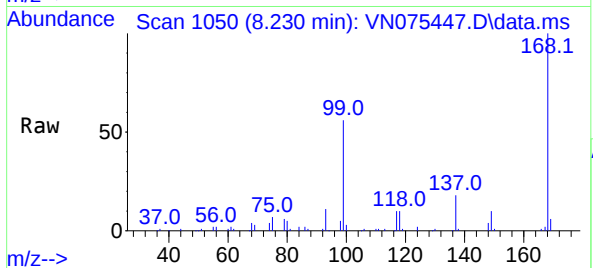




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

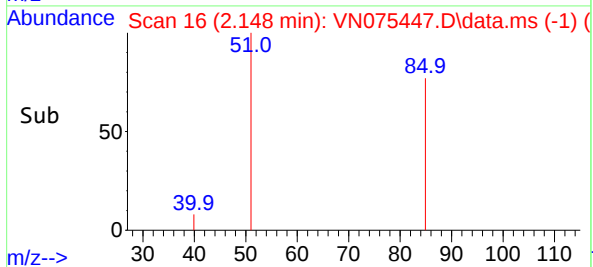
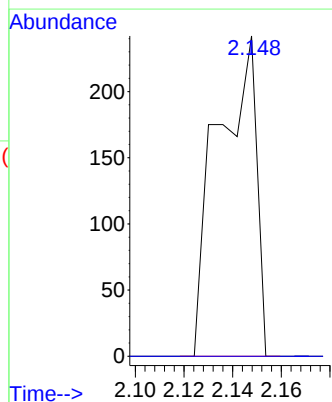
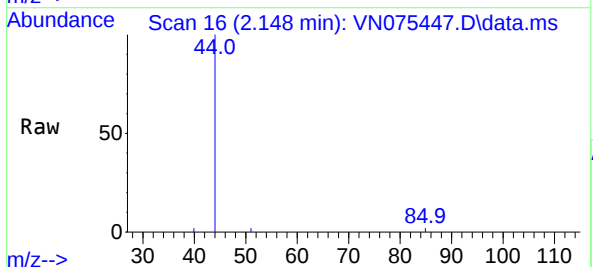
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20221121

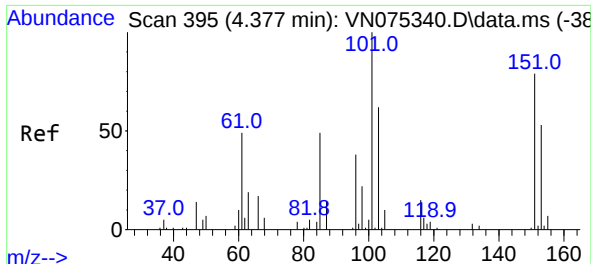
Tgt Ion:168 Resp: 129077
Ion Ratio Lower Upper
168 100
99 56.1 51.6 77.4



#2
Dichlorodifluoromethane
Concen: 0.272 ug/l
RT: 2.148 min Scan# 16
Delta R.T. 0.012 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

Tgt Ion: 85 Resp: 268
Ion Ratio Lower Upper
85 100
87 0.0 16.7 50.0#

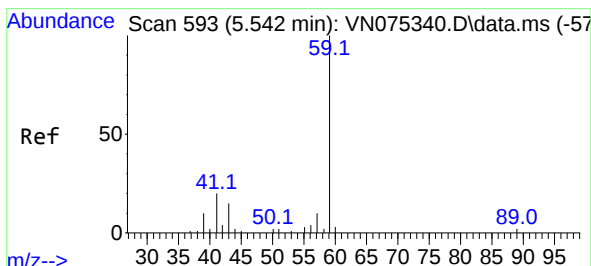
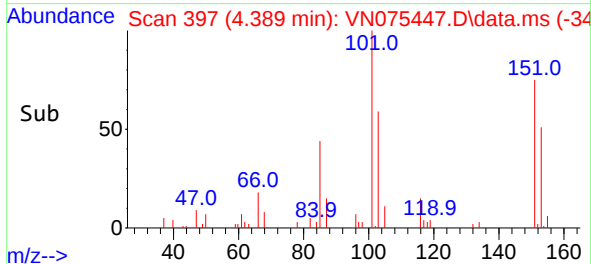
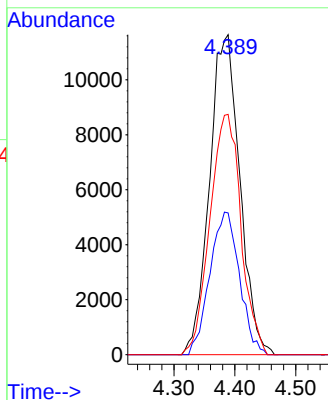
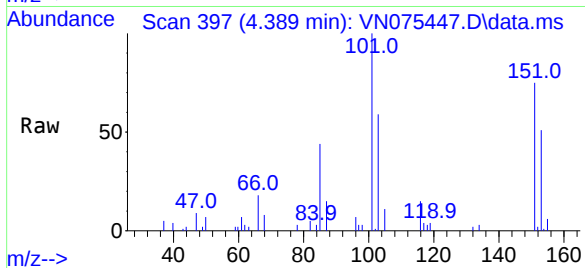




#9
1,1,2-Trichlorotrifluoroethane
Concen: 33.010 ug/l
RT: 4.389 min Scan# 39
Delta R.T. 0.012 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

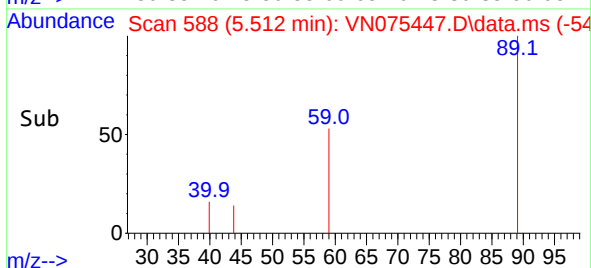
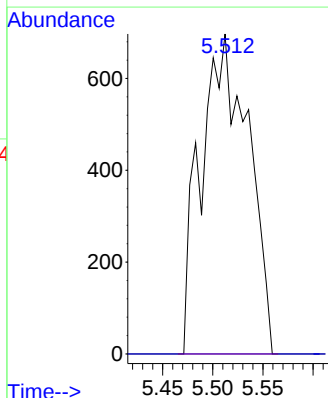
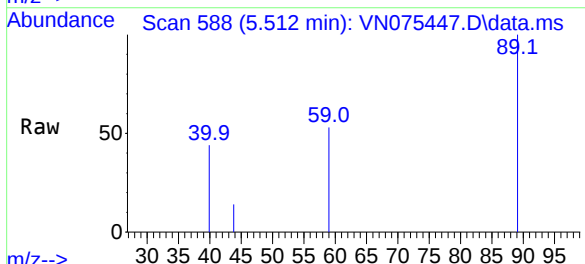
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20221121

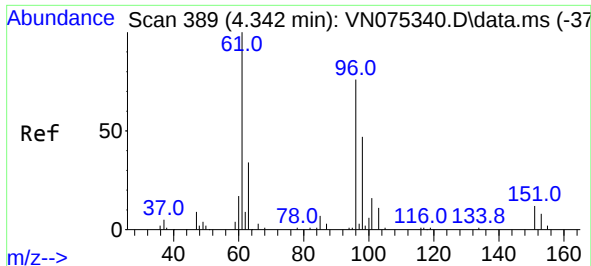
Tgt Ion:101 Resp: 40295
Ion Ratio Lower Upper
101 100
85 43.5 37.6 56.4
151 76.8 58.3 87.5



#11
Tert butyl alcohol
Concen: 7.914 ug/l
RT: 5.512 min Scan# 588
Delta R.T. -0.030 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

Tgt Ion: 59 Resp: 2302
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

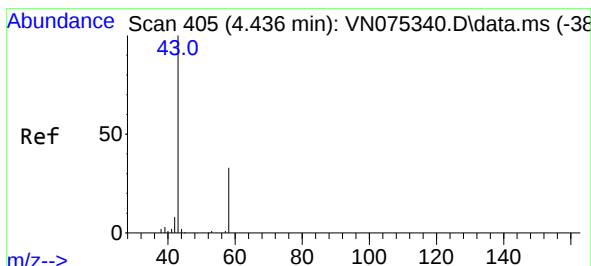
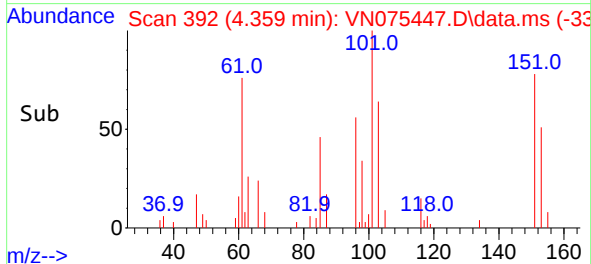
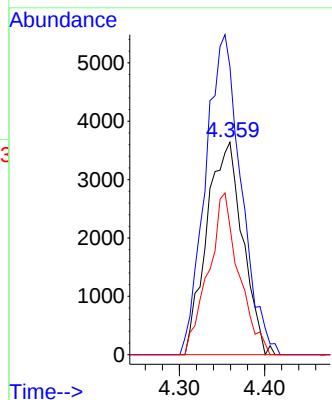
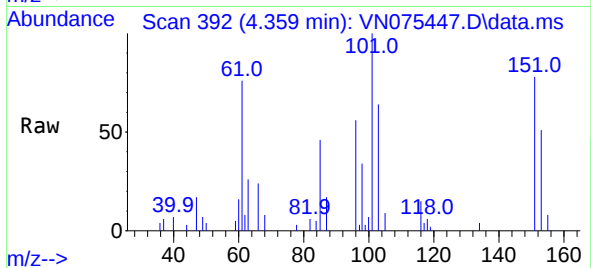




#12
1,1-Dichloroethene
Concen: 8.928 ug/l
RT: 4.359 min Scan# 392
Delta R.T. 0.017 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

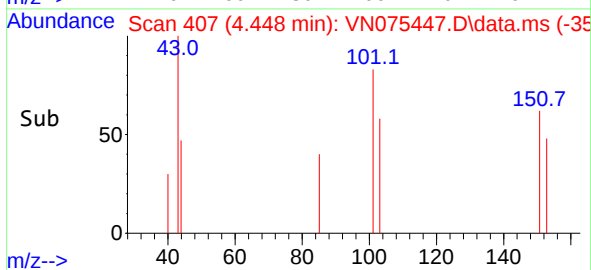
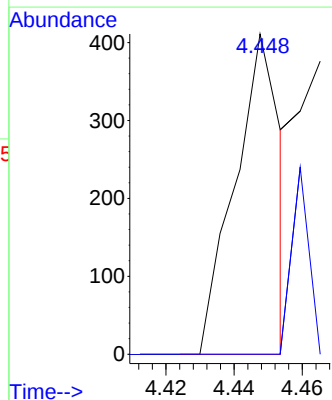
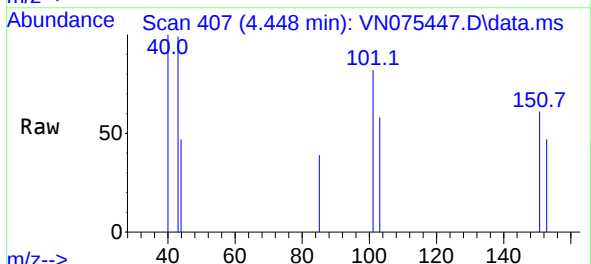
Instrument :
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ClientSampleId :
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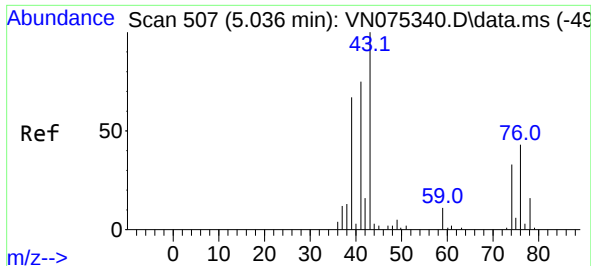
Tgt Ion: 96 Resp: 10672
Ion Ratio Lower Upper
96 100
61 135.4 126.2 189.4
98 60.2 51.5 77.3



#16
Acetone
Concen: 0.596 ug/l
RT: 4.448 min Scan# 407
Delta R.T. 0.012 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

Tgt Ion: 43 Resp: 385
Ion Ratio Lower Upper
43 100
58 0.0 25.5 38.3#

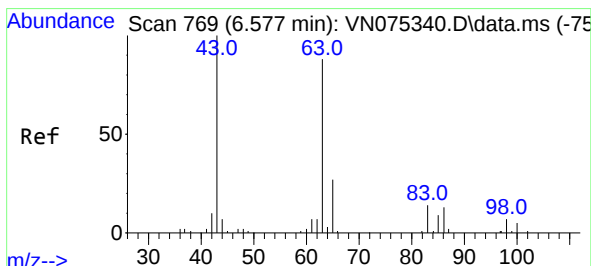
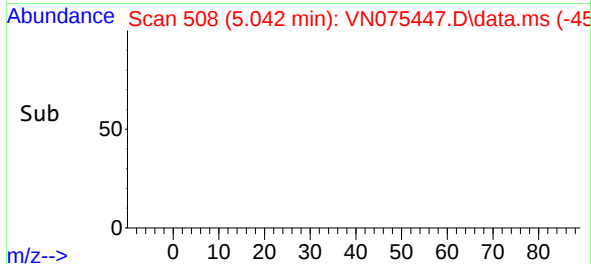
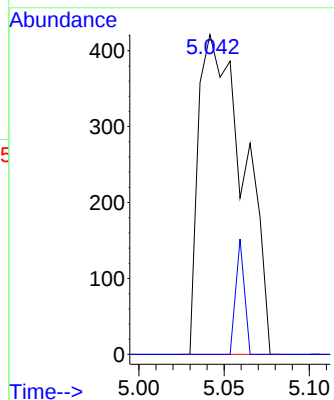
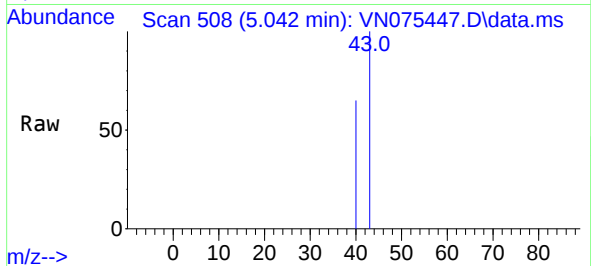




#18
Methyl Acetate
Concen: Below Cal
RT: 5.042 min Scan# 507
Delta R.T. 0.006 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

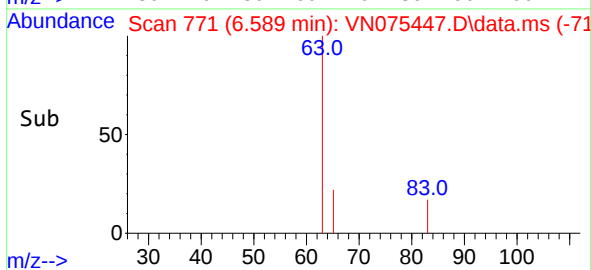
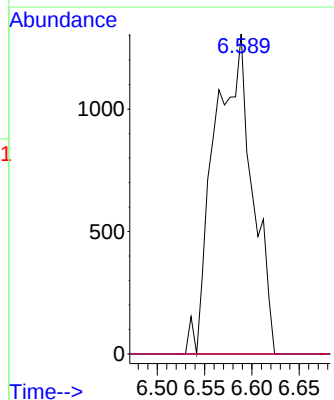
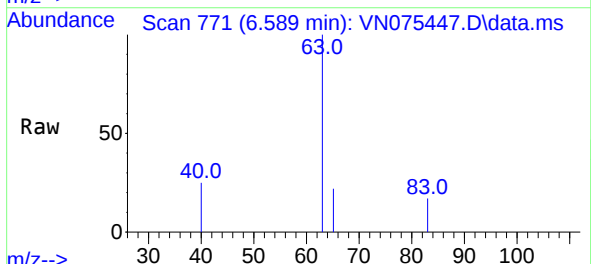
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ClientSampleId :
TT101D2-20221121

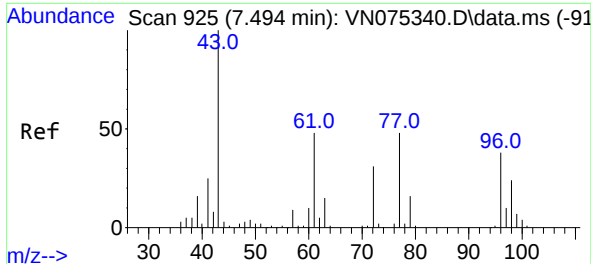
Tgt Ion: 43 Resp: 775
Ion Ratio Lower Upper
43 100
74 7.0 22.0 33.0#



#24
1,1-Dichloroethane
Concen: 1.607 ug/l
RT: 6.589 min Scan# 771
Delta R.T. 0.012 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

Tgt Ion: 63 Resp: 3640
Ion Ratio Lower Upper
63 100
98 0.0 3.6 10.8#
100 0.0 2.4 7.2#

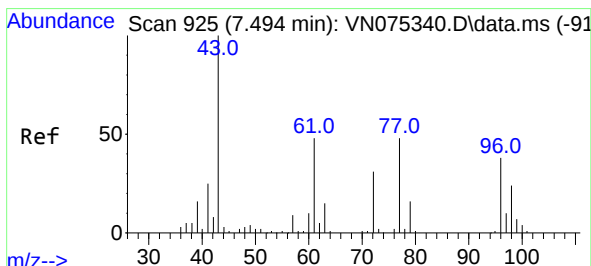
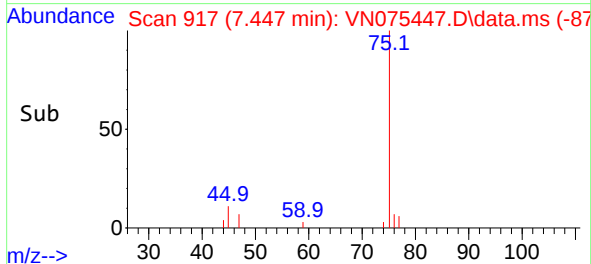
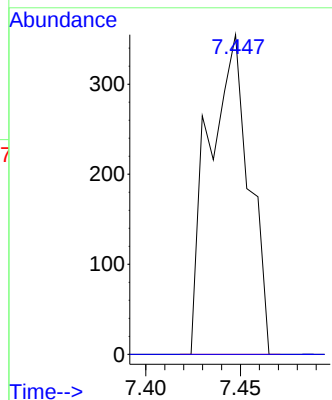
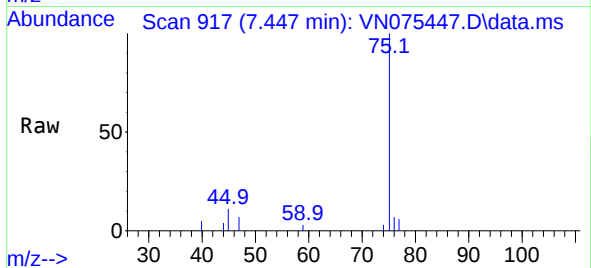




#26
2,2-Dichloropropane
Concen: 0.249 ug/l
RT: 7.447 min Scan# 917
Delta R.T. -0.047 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

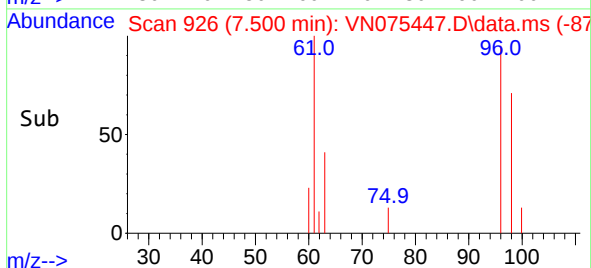
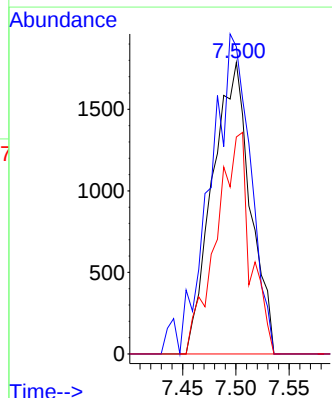
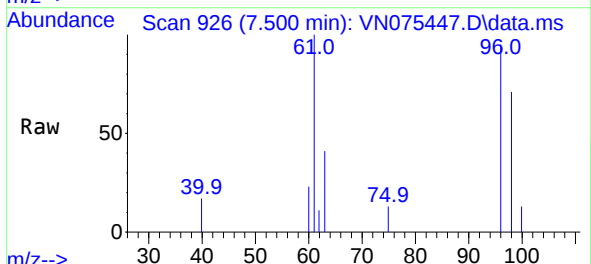
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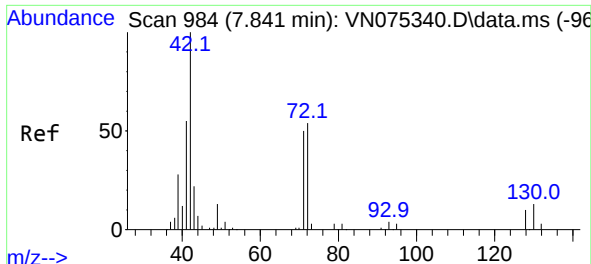
Tgt Ion: 77 Resp: 525
Ion Ratio Lower Upper
77 100
97 0.0 11.2 33.6#



#27
cis-1,2-Dichloroethene
Concen: 2.875 ug/l
RT: 7.500 min Scan# 926
Delta R.T. 0.006 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

Tgt Ion: 96 Resp: 4429
Ion Ratio Lower Upper
96 100
61 117.1 0.0 278.8
98 68.8 0.0 128.4

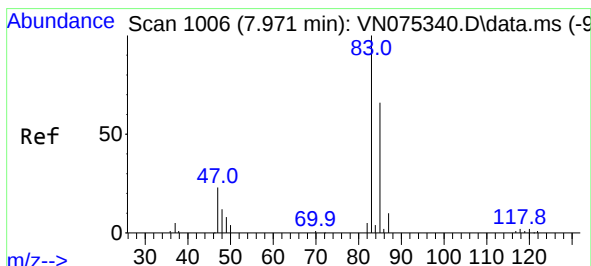
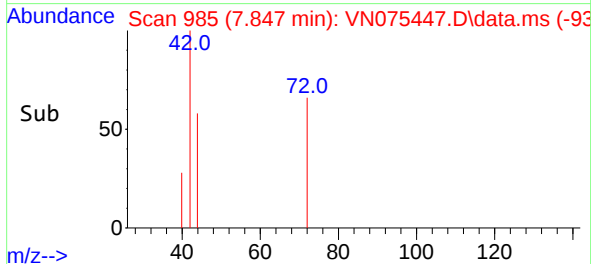
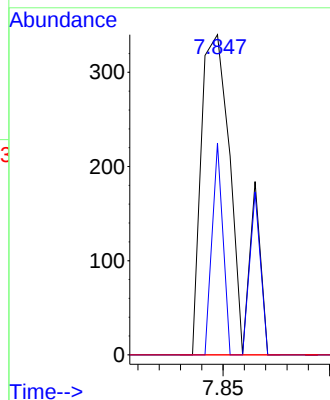
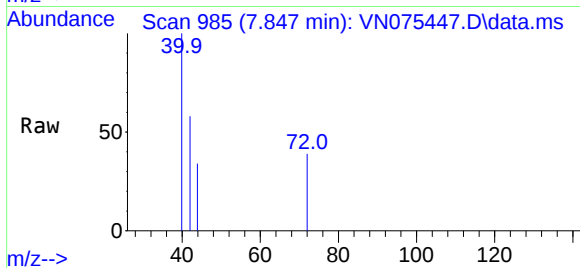




#29
Tetrahydrofuran
Concen: 0.678 ug/l
RT: 7.847 min Scan# 984
Delta R.T. 0.006 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

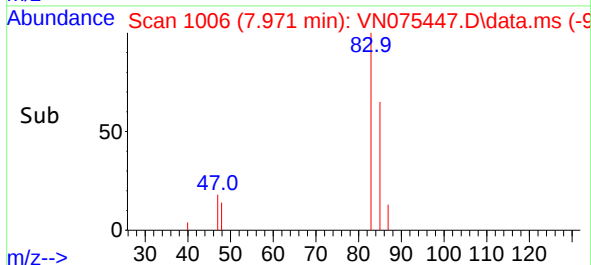
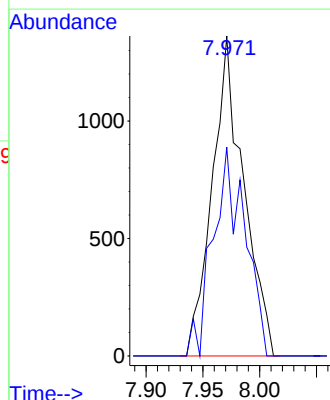
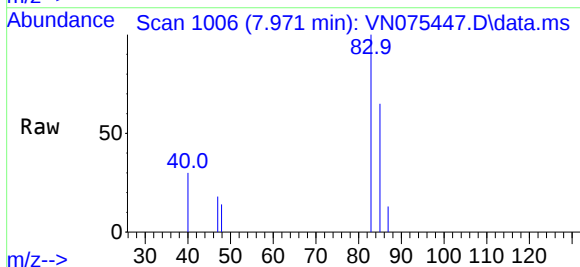
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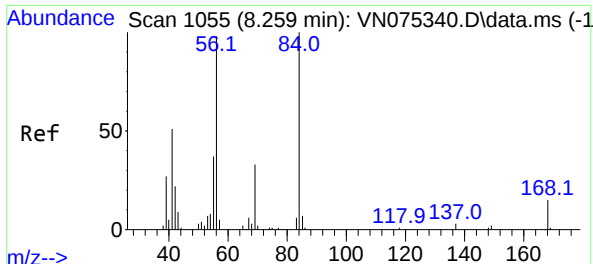
Tgt Ion: 42 Resp: 372
Ion Ratio Lower Upper
42 100
72 21.2 43.0 64.6#
71 0.0 39.9 59.9#



#30
Chloroform
Concen: 1.007 ug/l
RT: 7.971 min Scan# 1006
Delta R.T. -0.000 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

Tgt Ion: 83 Resp: 2618
Ion Ratio Lower Upper
83 100
85 65.3 51.4 77.0

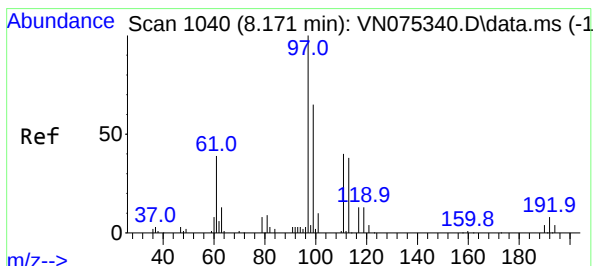
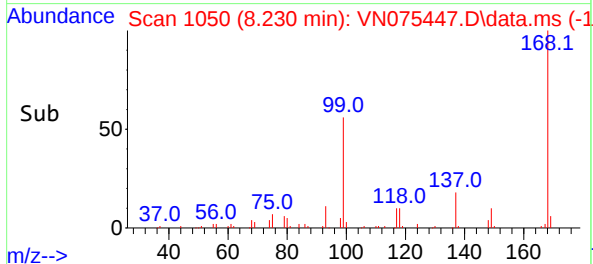
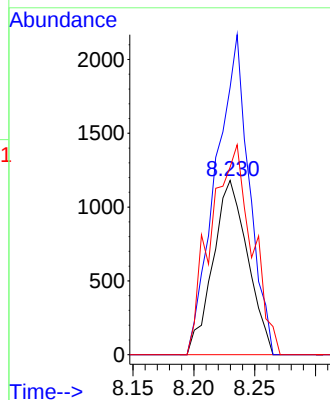
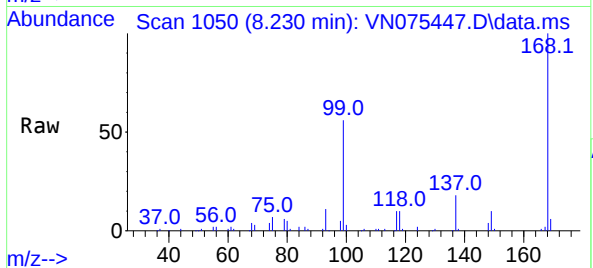




#31
Cyclohexane
Concen: 1.062 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.029 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

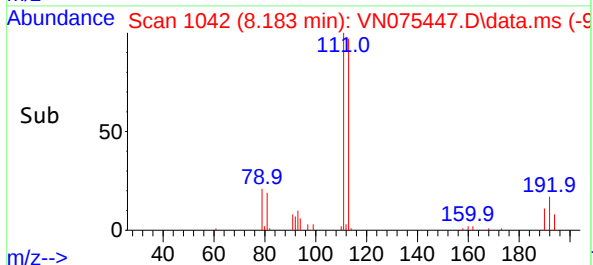
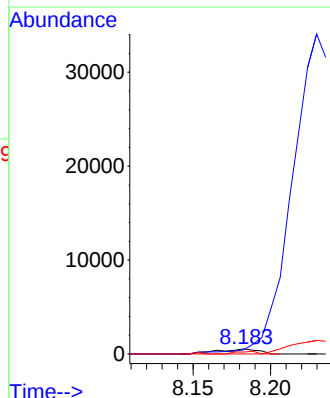
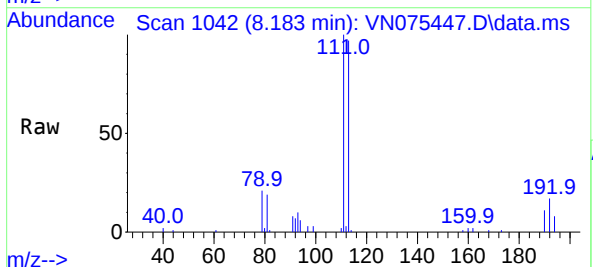
Instrument :
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ClientSampleId :
TT101D2-20221121

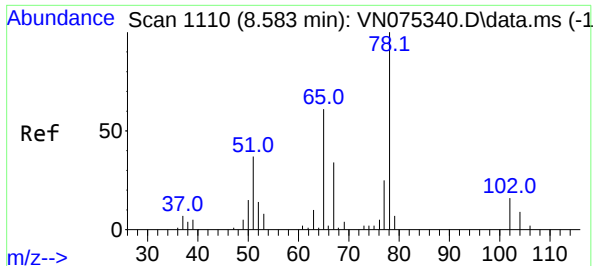
Tgt Ion: 56 Resp: 2338
Ion Ratio Lower Upper
56 100
69 153.5 25.2 37.8#
84 107.6 77.8 116.8



#32
1,1,1-Trichloroethane
Concen: 0.415 ug/l
RT: 8.183 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

Tgt Ion: 97 Resp: 980
Ion Ratio Lower Upper
97 100
99 0.0 50.2 75.2#
61 25.2 37.0 55.6#

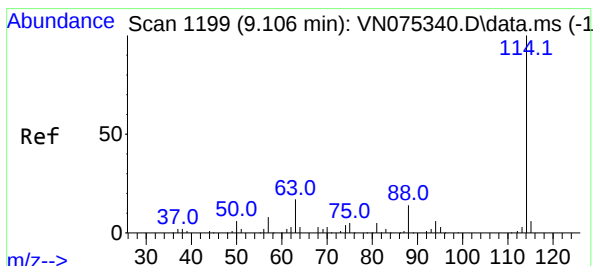
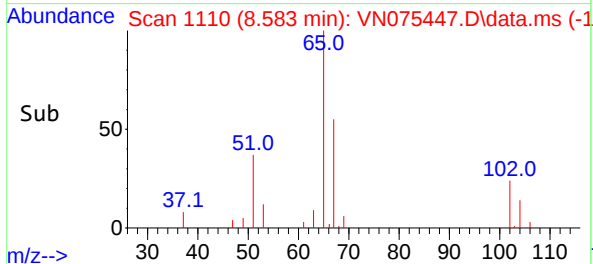
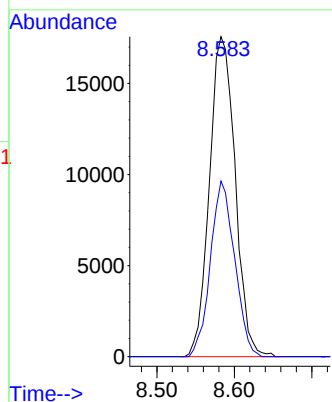
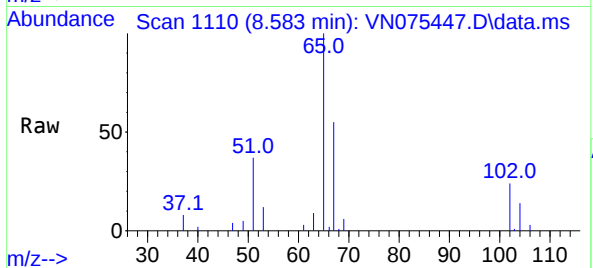




#33
1,2-Dichloroethane-d4
Concen: 58.578 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. -0.000 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

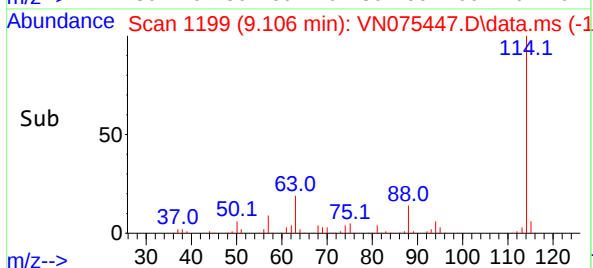
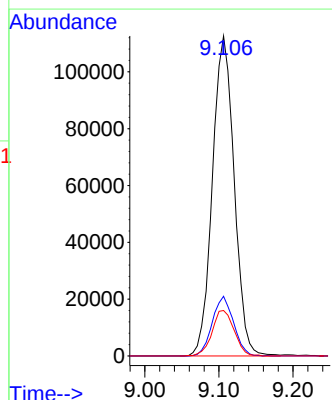
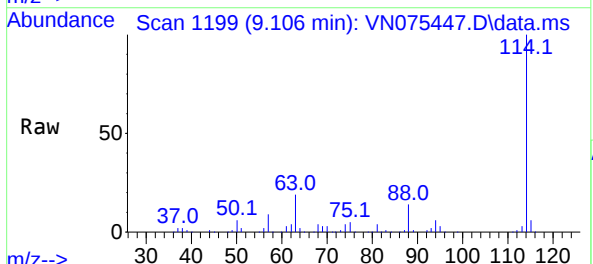
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20221121

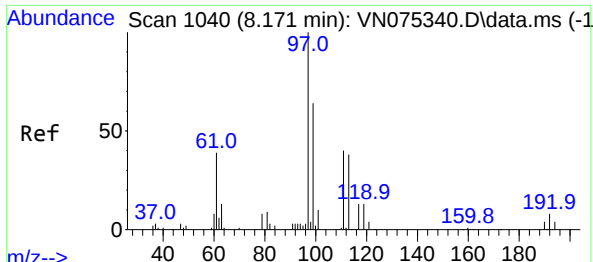
Tgt Ion: 65 Resp: 40587
Ion Ratio Lower Upper
65 100
67 51.7 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

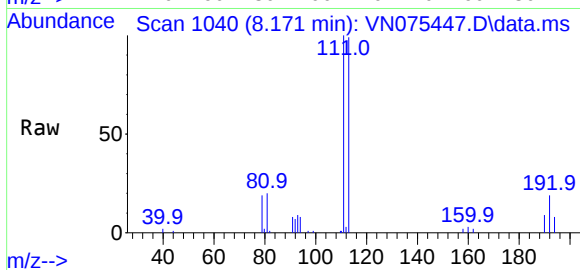
Tgt Ion: 114 Resp: 229627
Ion Ratio Lower Upper
114 100
63 18.7 0.0 39.6
88 14.2 0.0 29.0



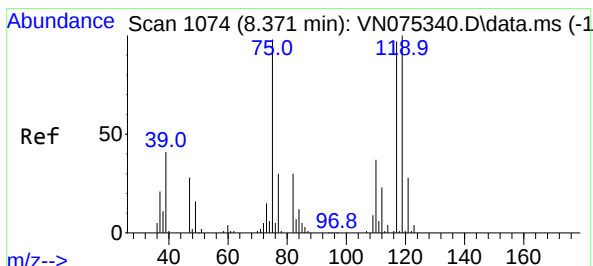
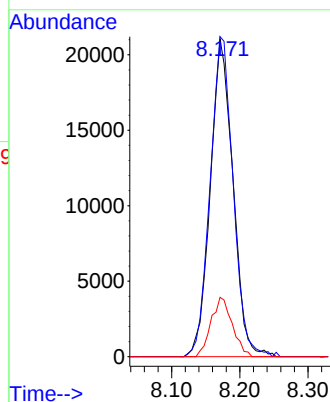
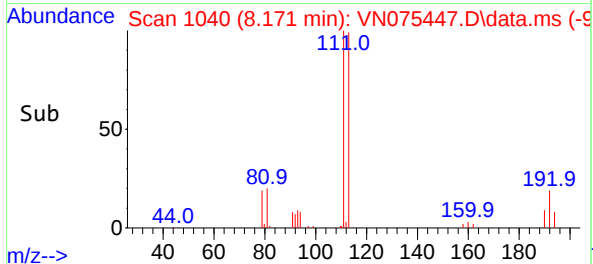


#35
Dibromofluoromethane
Concen: 53.844 ug/l
RT: 8.171 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

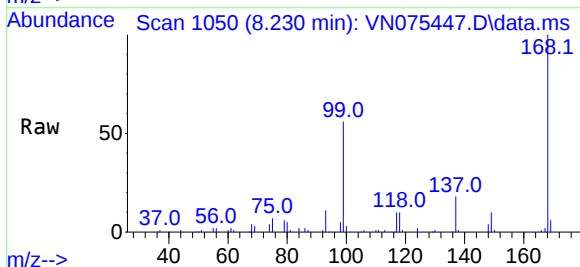
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20221121



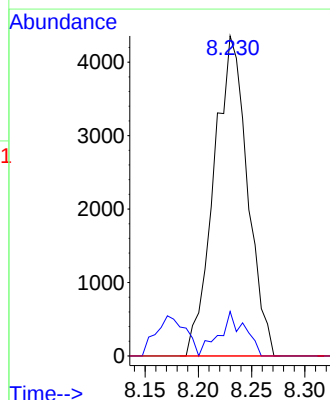
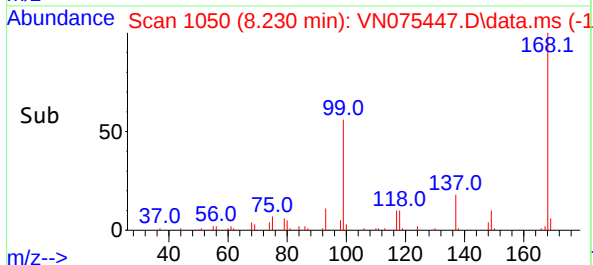
Tgt Ion:113 Resp: 48570
Ion Ratio Lower Upper
113 100
111 102.6 80.5 120.7
192 17.5 13.2 19.8

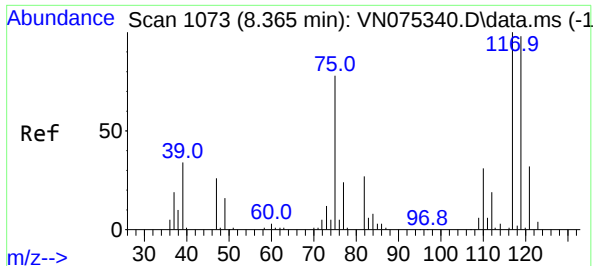


#36
1,1-Dichloropropene
Concen: 4.854 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36



Tgt Ion: 75 Resp: 9549
Ion Ratio Lower Upper
75 100
110 10.6 17.8 53.3#
77 0.0 24.6 37.0#

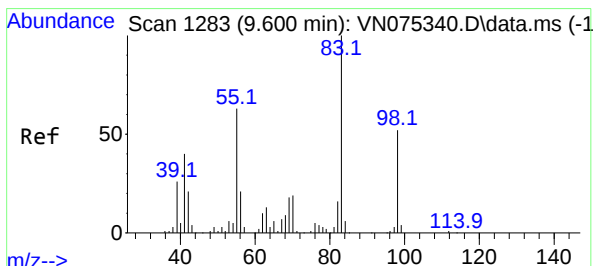
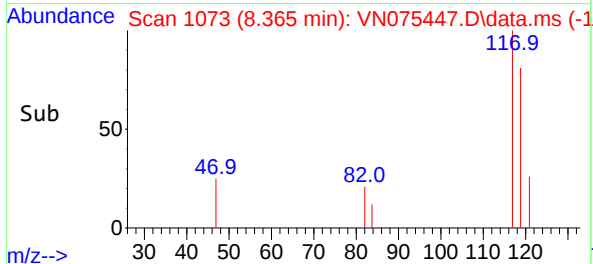
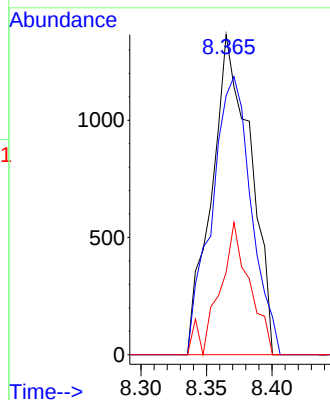
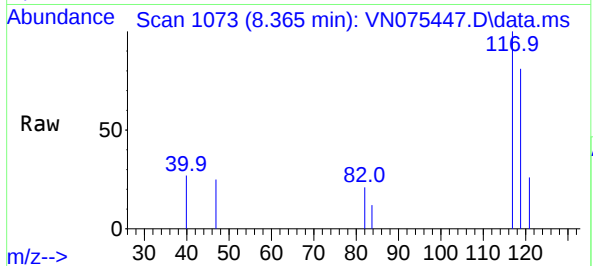




#38
Carbon Tetrachloride
Concen: 1.301 ug/l
RT: 8.365 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

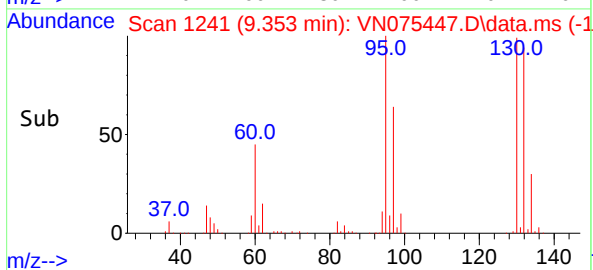
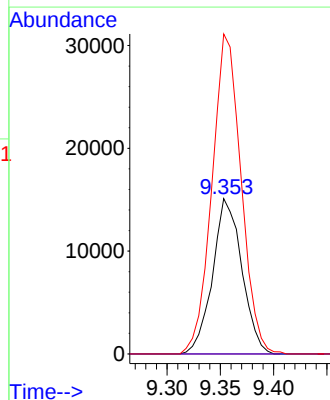
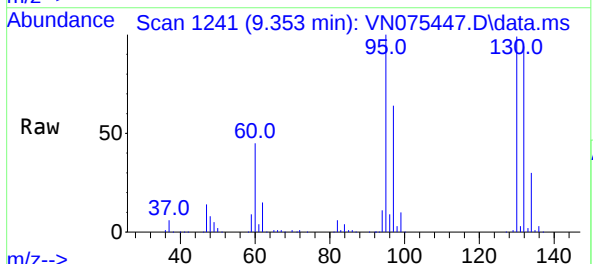
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20221121

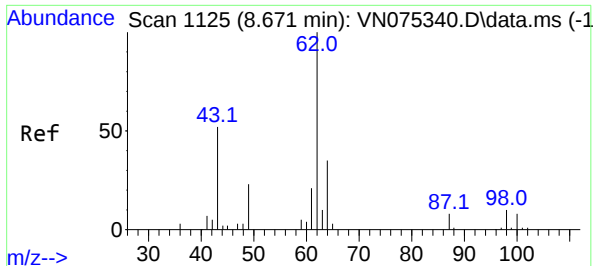
Tgt Ion:117 Resp: 2811
Ion Ratio Lower Upper
117 100
119 80.9 76.7 115.1
121 25.7 23.9 35.9



#39
Methylcyclohexane
Concen: 11.702 ug/l
RT: 9.353 min Scan# 1241
Delta R.T. -0.247 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

Tgt Ion: 83 Resp: 28809
Ion Ratio Lower Upper
83 100
55 0.0 53.6 80.4#
98 206.0 41.1 61.7#





#42

1,2-Dichloroethane

Concen: 0.243 ug/l

RT: 8.671 min Scan# 1125

Delta R.T. -0.000 min

Lab File: VN075447.D

Acq: 28 Nov 2022 14:36

Instrument :

MSVOA_N

ClientSampleId :

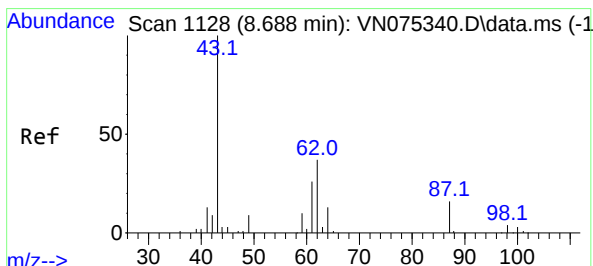
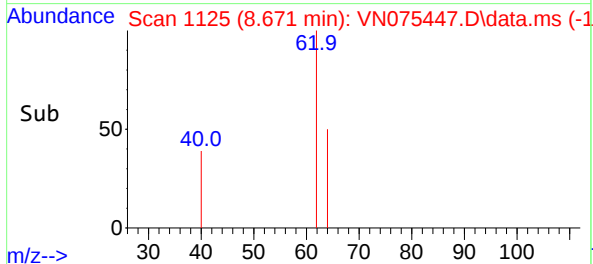
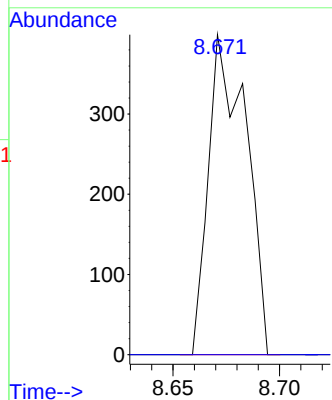
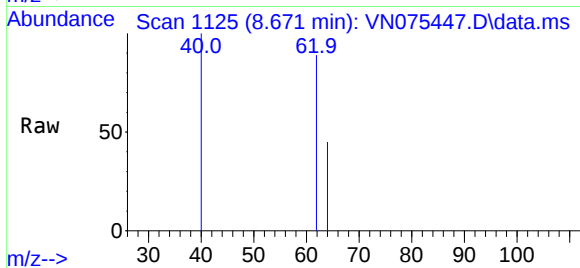
TT101D2-20221121

Tgt Ion: 62 Resp: 491

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 0.401 ug/l

RT: 8.824 min Scan# 1151

Delta R.T. 0.136 min

Lab File: VN075447.D

Acq: 28 Nov 2022 14:36

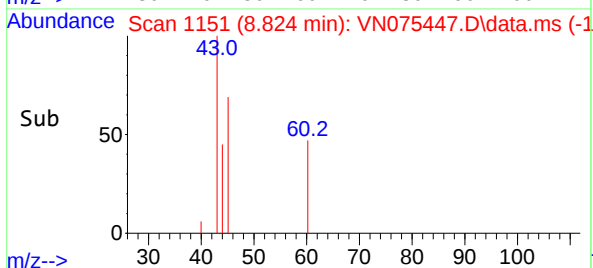
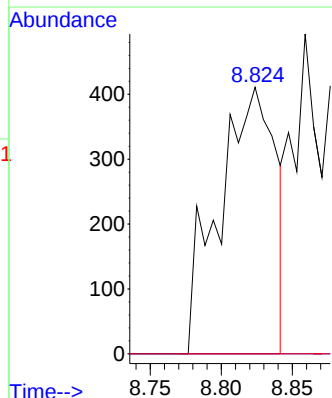
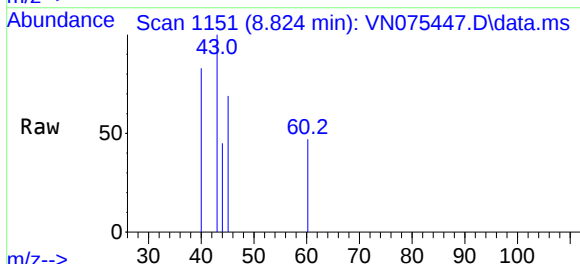
Tgt Ion: 43 Resp: 1139

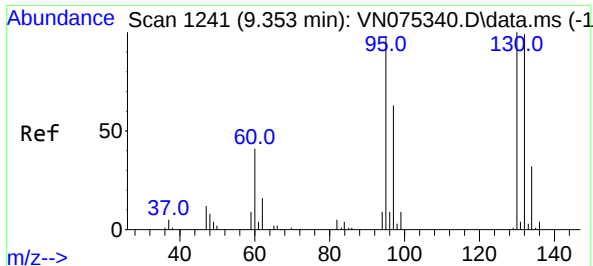
Ion Ratio Lower Upper

43 100

61 0.0 22.4 33.6#

87 0.0 12.5 18.7#

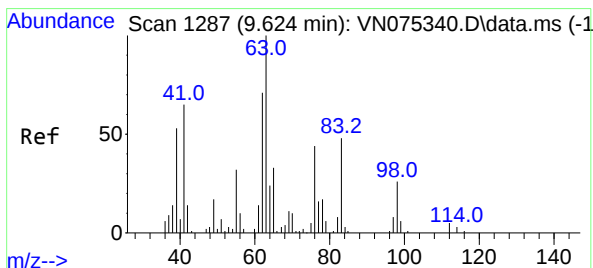
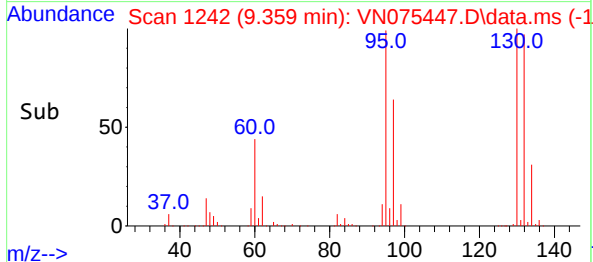
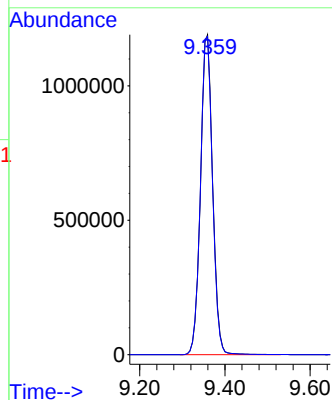
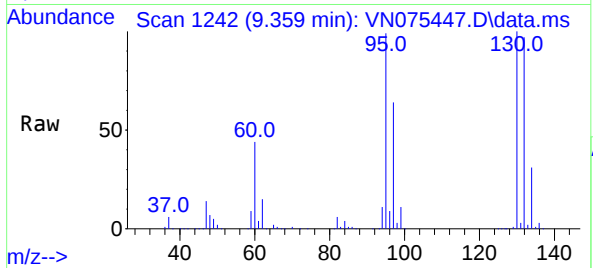




#44
Trichloroethene
Concen: 1422.071 ug/l
RT: 9.359 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

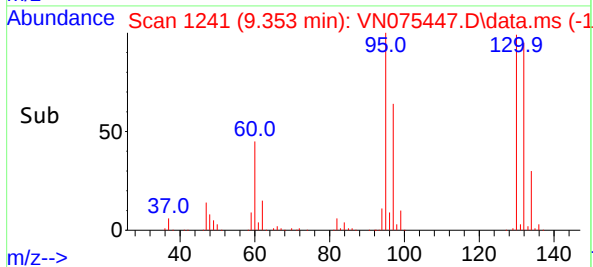
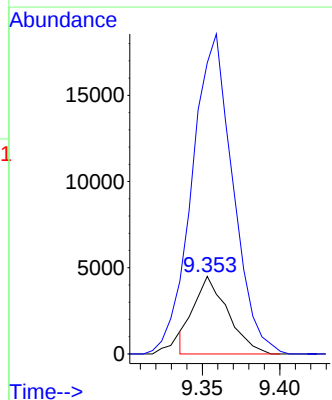
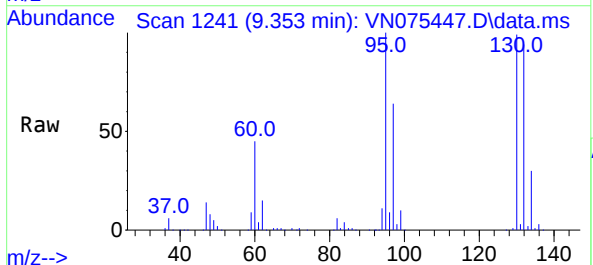
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20221121

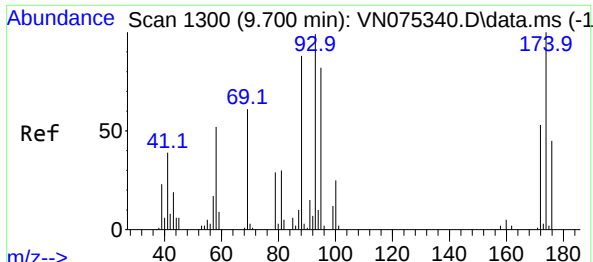
Tgt Ion:130 Resp: 2343582
Ion Ratio Lower Upper
130 100
95 99.4 0.0 198.4



#45
1,2-Dichloropropane
Concen: 4.791 ug/l
RT: 9.353 min Scan# 1241
Delta R.T. -0.271 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

Tgt Ion: 63 Resp: 6876
Ion Ratio Lower Upper
63 100
65 371.9 26.1 39.1#

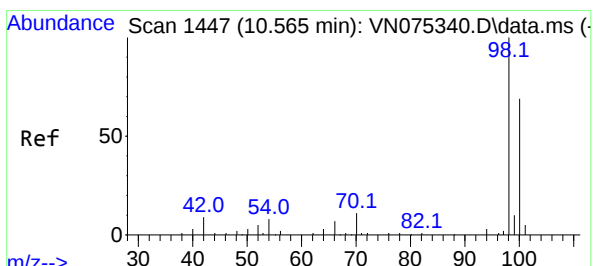
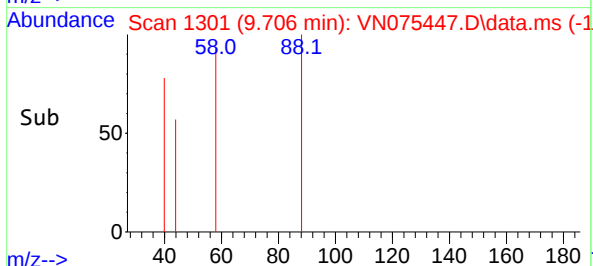
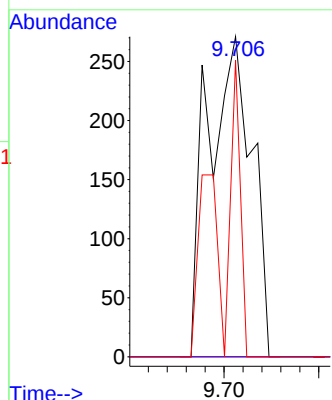
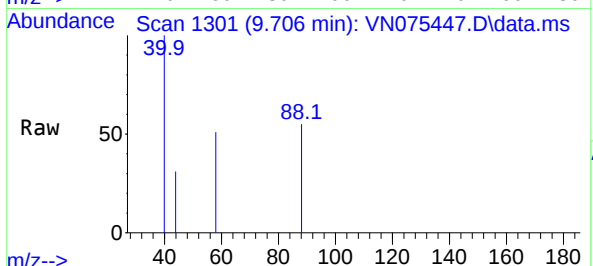




#49
1,4-Dioxane
Concen: 11.733 ug/l
RT: 9.706 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

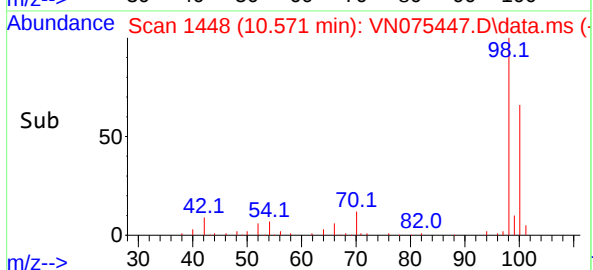
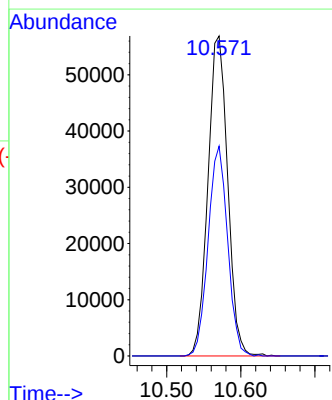
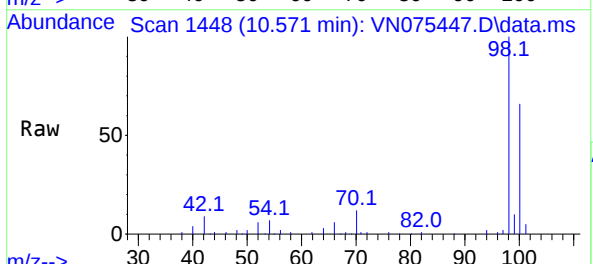
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20221121

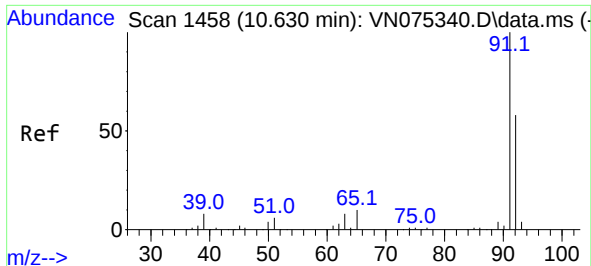
Tgt Ion: 88 Resp: 438
Ion Ratio Lower Upper
88 100
43 0.0 17.5 26.3#
58 24.9 49.8 74.8#



#50
Toluene-d8
Concen: 51.836 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.006 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

Tgt Ion: 98 Resp: 105313
Ion Ratio Lower Upper
98 100
100 64.7 53.0 79.6

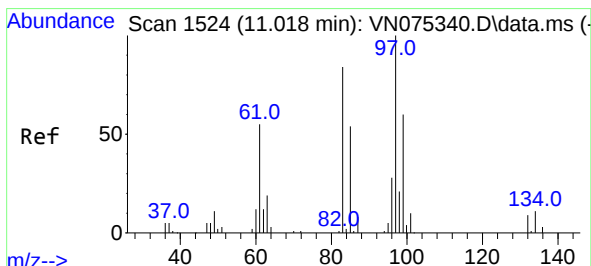
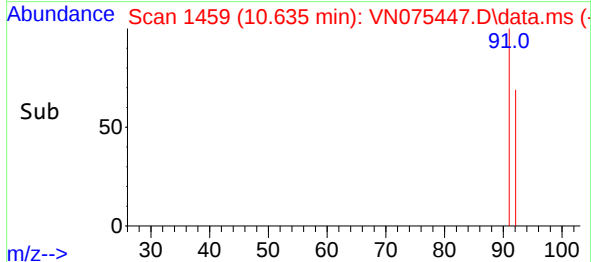
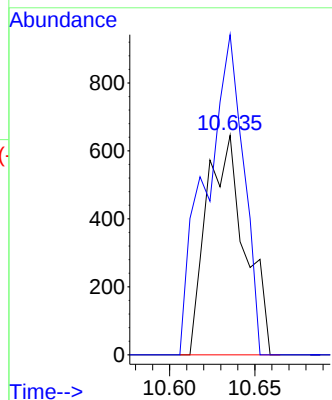
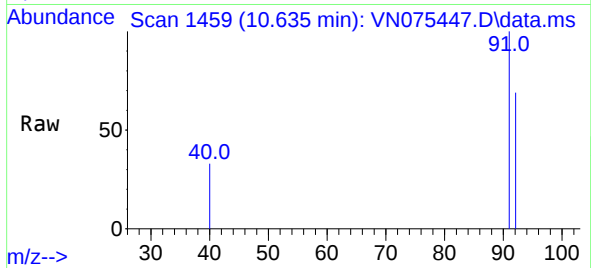




#52
Toluene
Concen: 0.260 ug/l
RT: 10.635 min Scan# 1458
Delta R.T. 0.005 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

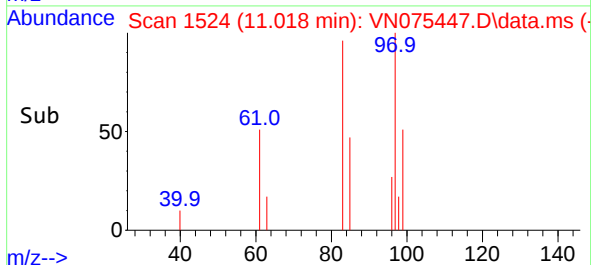
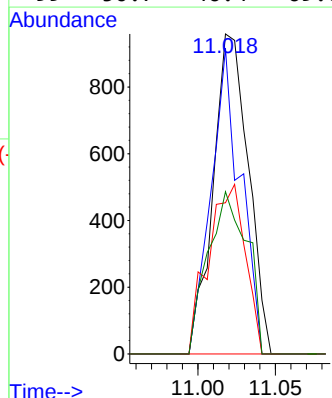
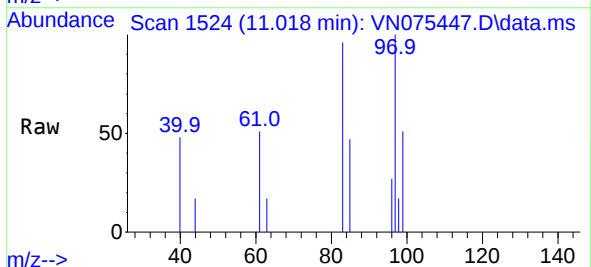
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20221121

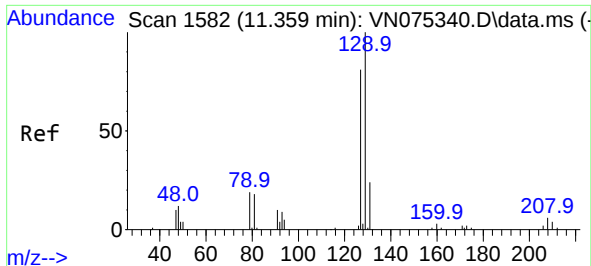
Tgt Ion: 92 Resp: 1010
Ion Ratio Lower Upper
92 100
91 143.8 135.4 203.2



#55
1,1,2-Trichloroethane
Concen: 0.957 ug/l
RT: 11.018 min Scan# 1524
Delta R.T. -0.000 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

Tgt Ion: 97 Resp: 1513
Ion Ratio Lower Upper
97 100
83 95.5 65.9 98.9
85 47.2 40.4 60.6
99 50.7 46.4 69.6

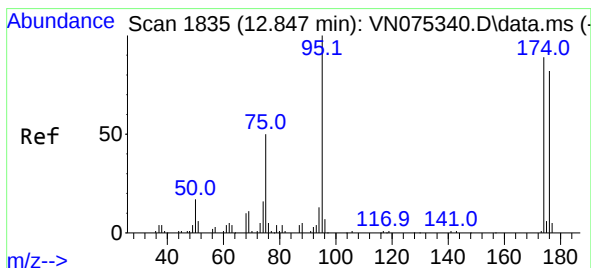
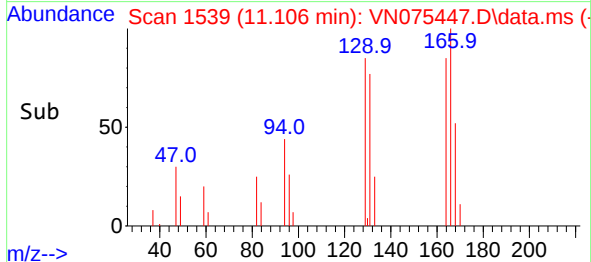
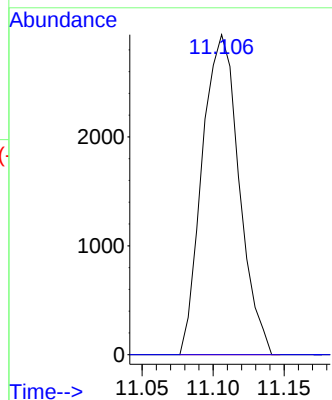
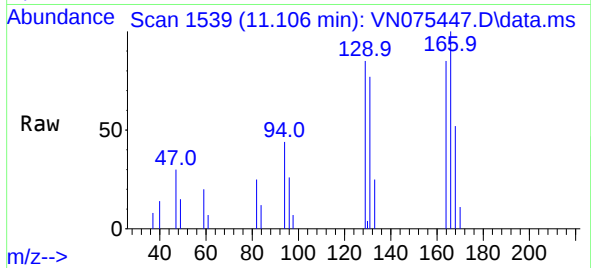




#60
Dibromochloromethane
Concen: 3.278 ug/l
RT: 11.106 min Scan# 11
Delta R.T. -0.253 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

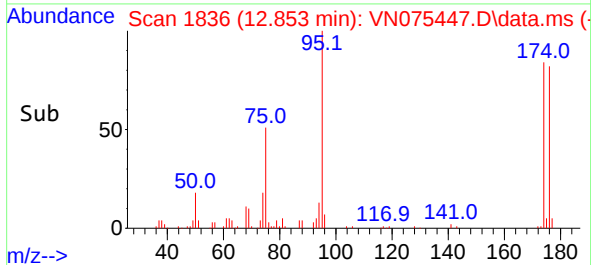
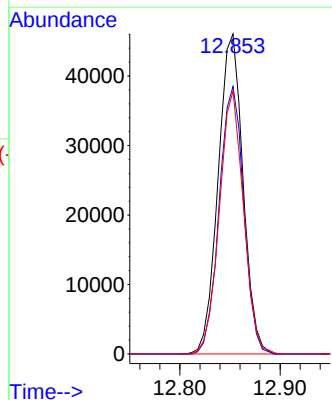
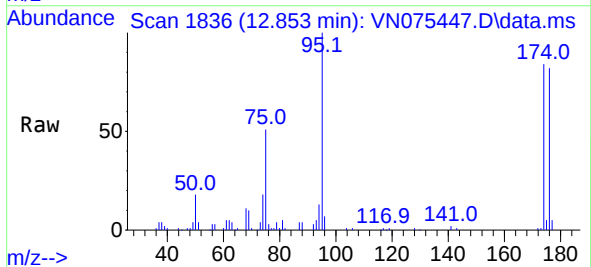
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20221121

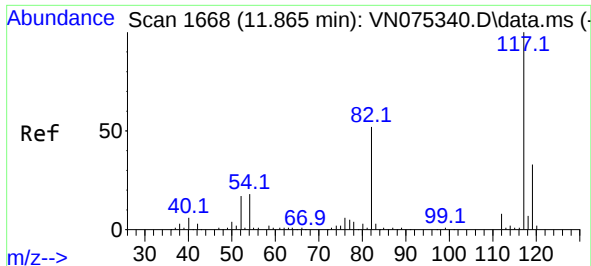
Tgt Ion:129 Resp: 5319
Ion Ratio Lower Upper
129 100
127 0.0 38.6 115.8#



#62
4-Bromofluorobenzene
Concen: 52.776 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

Tgt Ion: 95 Resp: 79142
Ion Ratio Lower Upper
95 100
174 82.3 0.0 147.4
176 79.9 0.0 142.2

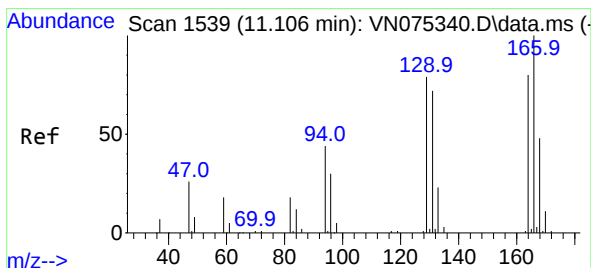
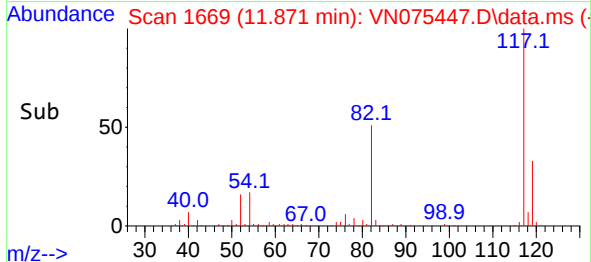
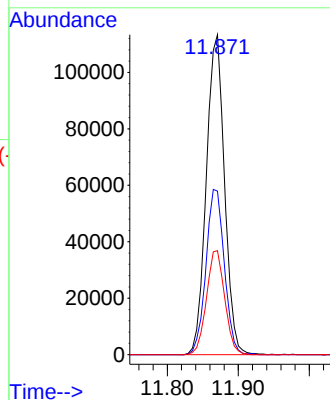
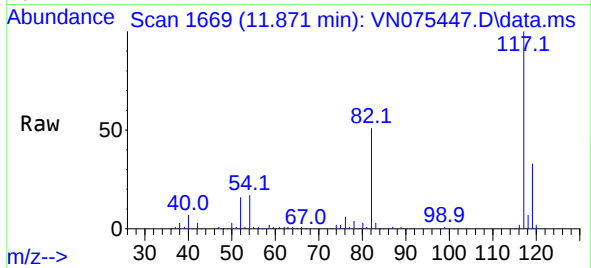




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

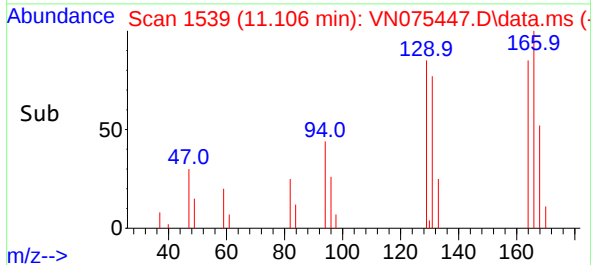
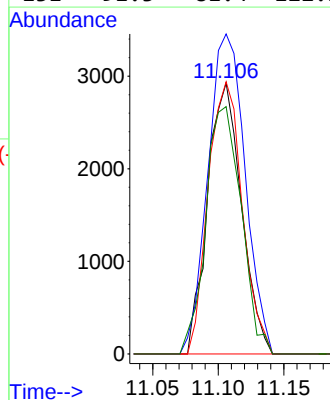
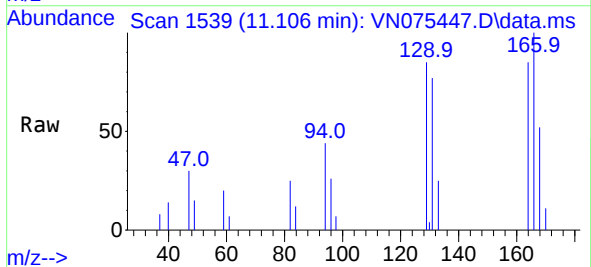
Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20221121

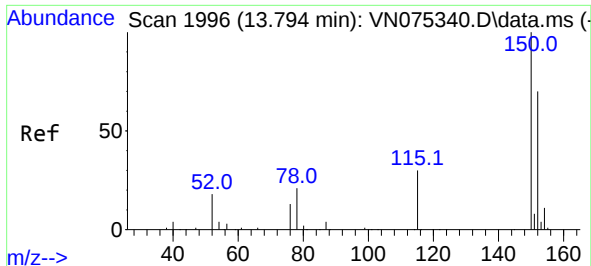
Tgt Ion:117 Resp: 202341
Ion Ratio Lower Upper
117 100
82 51.1 43.1 64.7
119 32.5 25.5 38.3



#64
Tetrachloroethene
Concen: 3.402 ug/l
RT: 11.106 min Scan# 1539
Delta R.T. 0.000 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

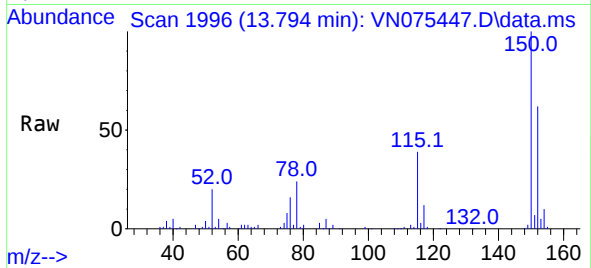
Tgt Ion:164 Resp: 5257
Ion Ratio Lower Upper
164 100
166 118.1 106.5 159.7
129 100.4 81.9 122.9
131 91.3 81.4 122.2



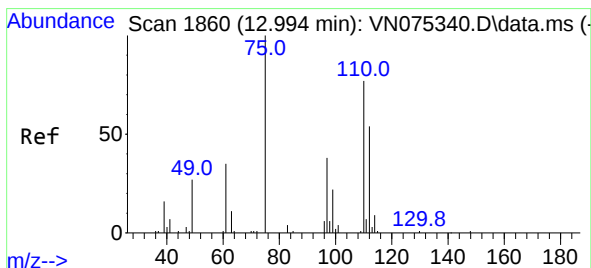
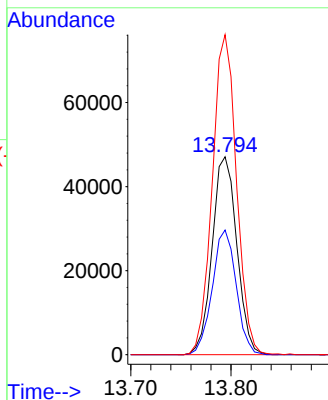
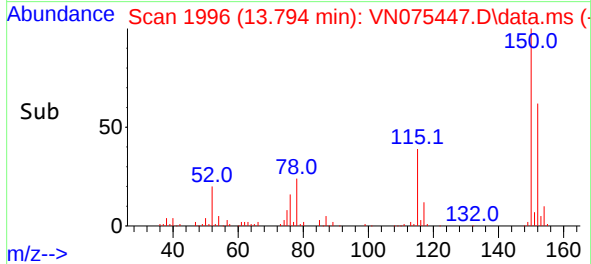


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20221121

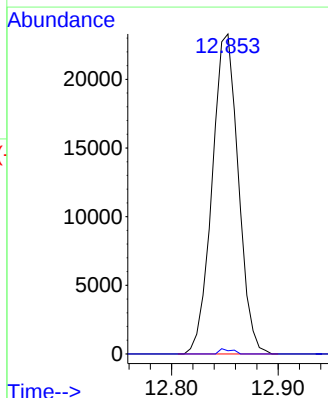
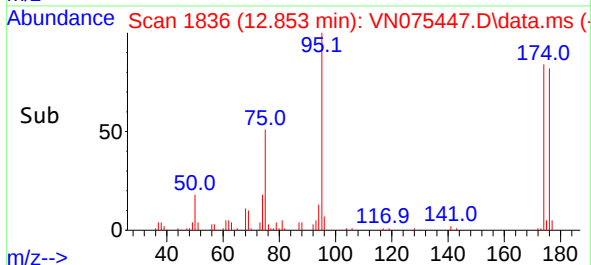
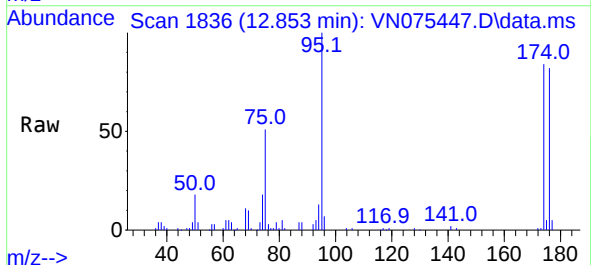


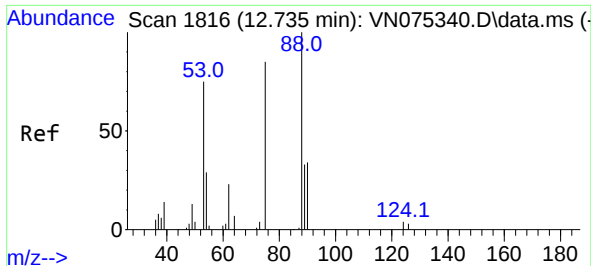
Tgt Ion:152 Resp: 80473
Ion Ratio Lower Upper
152 100
115 61.2 30.2 90.6
150 158.6 0.0 348.4



#76
1,2,3-Trichloropropane
Concen: 26.164 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

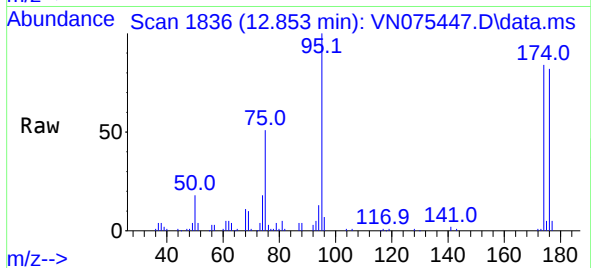
Tgt Ion: 75 Resp: 39810
Ion Ratio Lower Upper
75 100
77 0.8 75.6 226.8#





#81
trans-1,4-Dichloro-2-butene
Concen: 77.415 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN075447.D
Acq: 28 Nov 2022 14:36

Instrument :
MSVOA_N
ClientSampleId :
TT101D2-20221121



Tgt Ion: 75 Resp: 39810
Ion Ratio Lower Upper
75 100
53 0.0 78.5 117.7#
89 0.0 37.7 56.5#

