

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062022\
 Data File : VN072964.D
 Acq On : 20 Jun 2022 16:17
 Operator : JC\MD
 Sample : N3357-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-2022-06-14

Quant Time: Jun 21 05:55:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

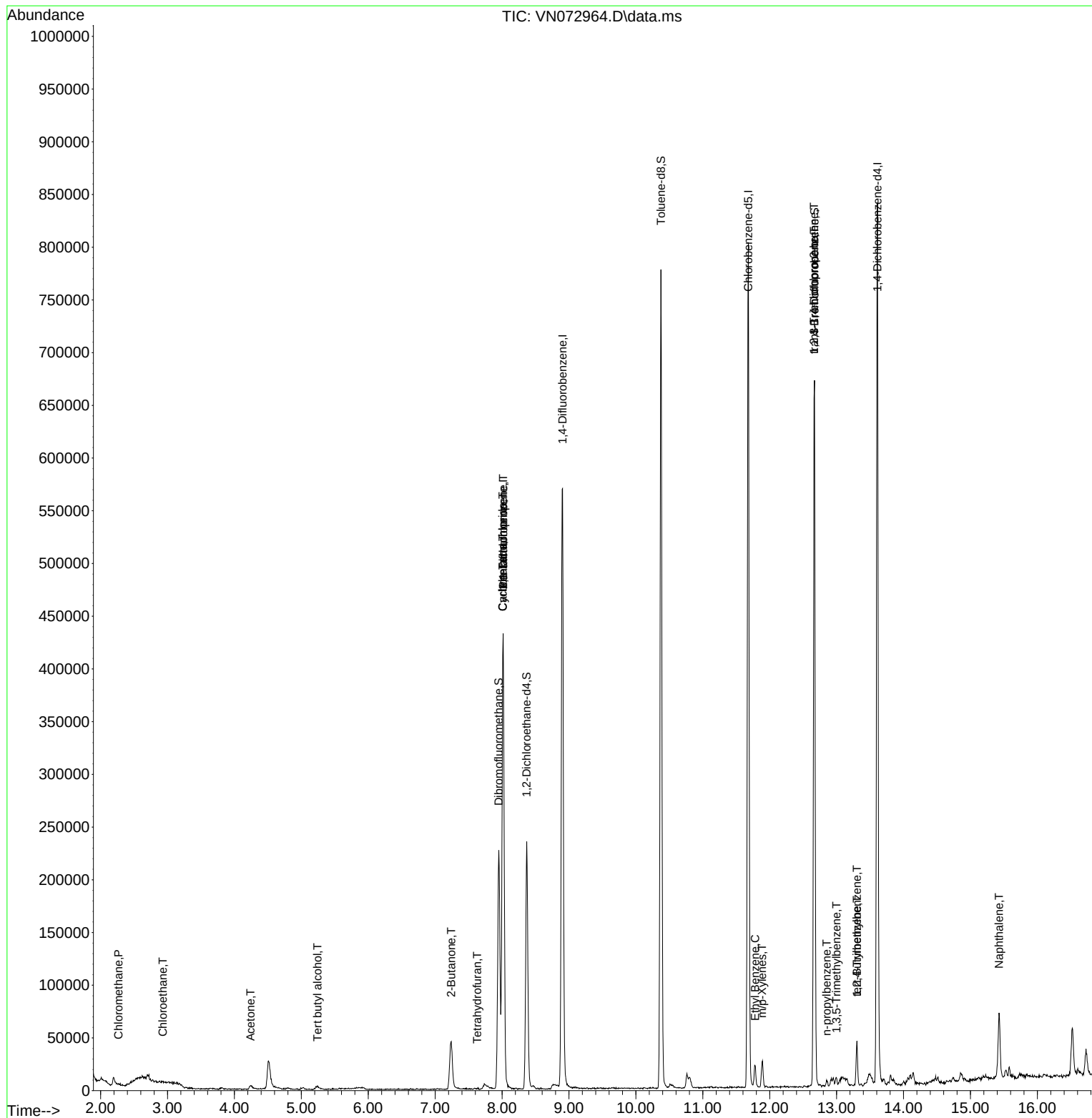
Internal Standards						
1) Pentafluorobenzene	8.016	168	331451	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	524743	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	471661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	227868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	192094	42.867	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	85.740%
35) Dibromofluoromethane	7.951	113	164758	50.798	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	101.600%
50) Toluene-d8	10.375	98	537677	44.551	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.100%
62) 4-Bromofluorobenzene	12.669	95	235417	54.247	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	108.500%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	558	0.732	ug/l	96
6) Chloroethane	2.928	64	975	0.551	ug/l #	48
11) Tert butyl alcohol	5.240	59	2634	2.276	ug/l #	72
16) Acetone	4.240	43	7260	2.947	ug/l #	83
25) 2-Butanone	7.239	43	2834	0.725	ug/l #	45
29) Tetrahydrofuran	7.628	42	628	0.243	ug/l #	36
31) Cyclohexane	8.010	56	6956	1.148	ug/l #	65
36) 1,1-Dichloropropene	8.016	75	25052	5.708	ug/l #	50
38) Carbon Tetrachloride	8.010	117	32408	7.020	ug/l #	15
67) Ethyl Benzene	11.780	91	15615	0.963	ug/l	97
68) m/p-Xylenes	11.886	106	8023	1.262	ug/l	94
76) 1,2,3-Trichloropropane	12.663	75	120553	21.821	ug/l #	1
78) n-propylbenzene	12.851	91	5836	0.301	ug/l	99
80) 1,3,5-Trimethylbenzene	12.998	105	3428	0.237	ug/l	84
81) trans-1,4-Dichloro-2-b...	12.663	75	120553	58.930	ug/l #	10
83) tert-Butylbenzene	13.304	119	2999	0.226	ug/l #	59
84) 1,2,4-Trimethylbenzene	13.304	105	23035	1.597	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.427	75	77	Below Cal		68
95) Naphthalene	15.427	128	63454	3.605	ug/l	97

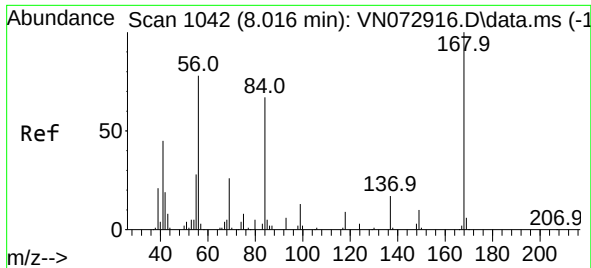
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 18 06:22:45 2022
Response via : Initial Calibration

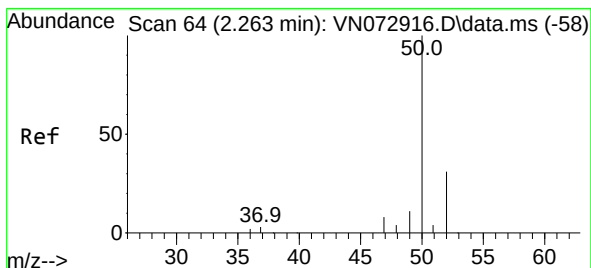
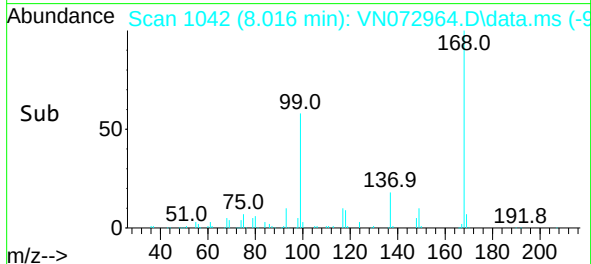
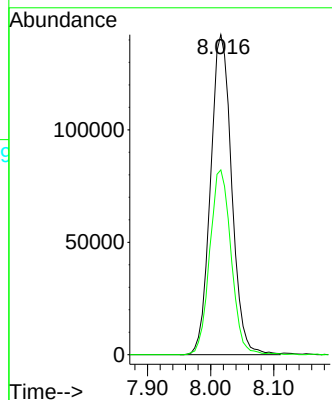
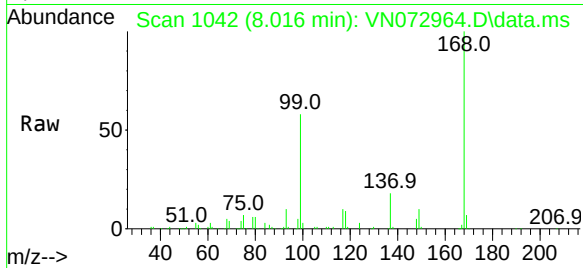




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN072964.D
Acq: 20 Jun 2022 16:17

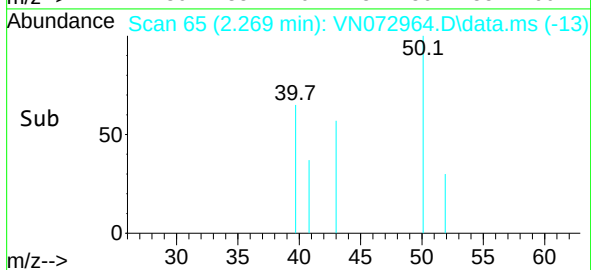
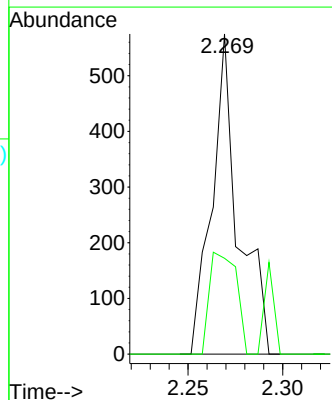
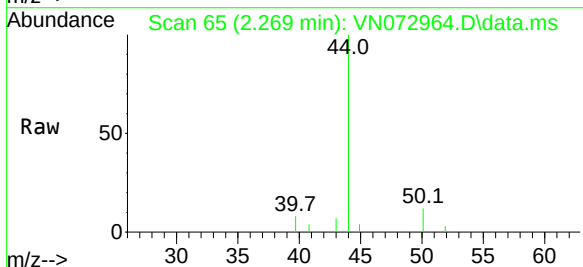
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-06-14

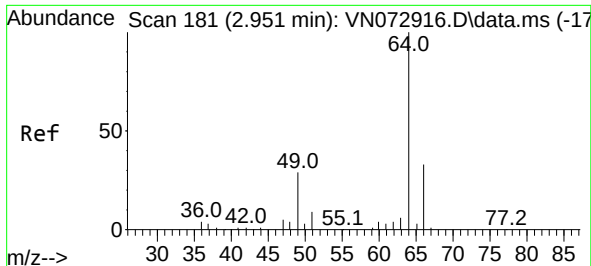
Tgt Ion:168 Resp: 331451
Ion Ratio Lower Upper
168 100
99 57.8 42.3 63.5



#3
Chloromethane
Concen: 0.732 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN072964.D
Acq: 20 Jun 2022 16:17

Tgt Ion: 50 Resp: 558
Ion Ratio Lower Upper
50 100
52 29.9 25.7 38.5

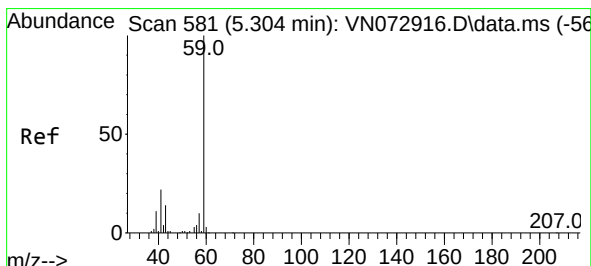
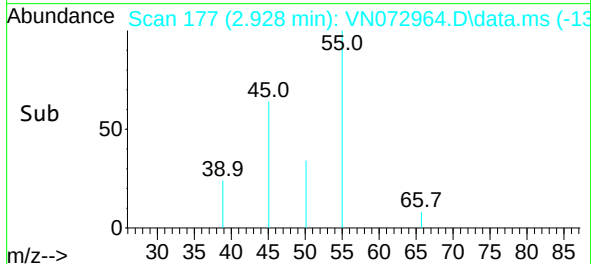
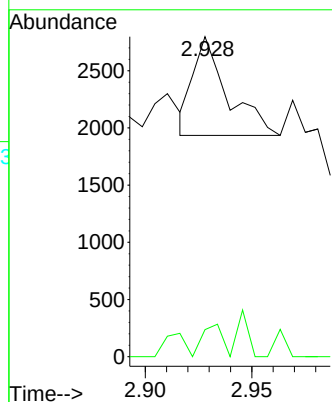
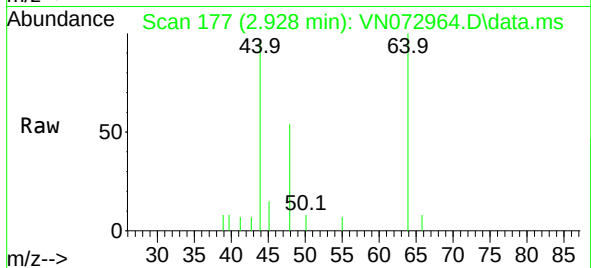




#6
Chloroethane
Concen: 0.551 ug/l
RT: 2.928 min Scan# 11
Delta R.T. -0.023 min
Lab File: VN072964.D
Acq: 20 Jun 2022 16:17

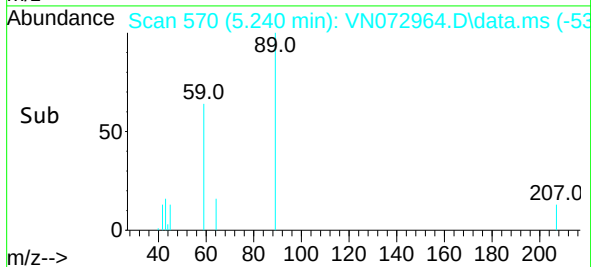
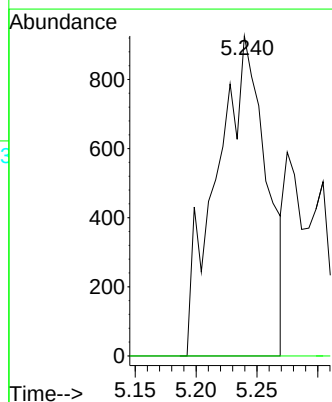
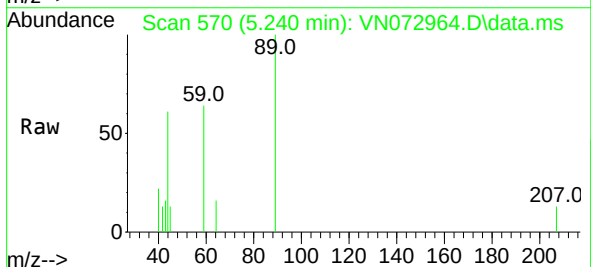
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-06-14

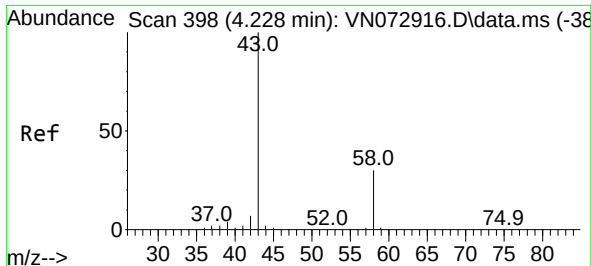
Tgt Ion: 64 Resp: 975
Ion Ratio Lower Upper
64 100
66 3.7 26.2 39.4#



#11
Tert butyl alcohol
Concen: 2.276 ug/l
RT: 5.240 min Scan# 570
Delta R.T. -0.065 min
Lab File: VN072964.D
Acq: 20 Jun 2022 16:17

Tgt Ion: 59 Resp: 2634
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

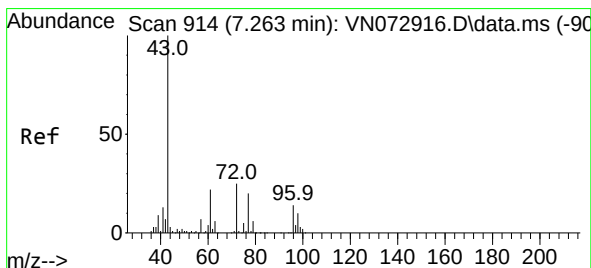
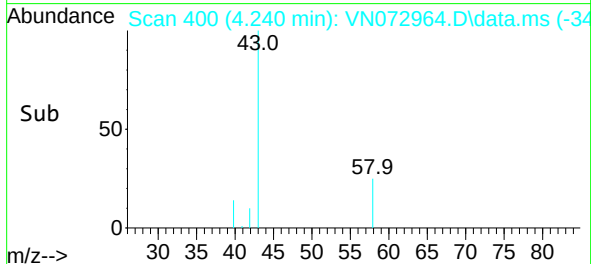
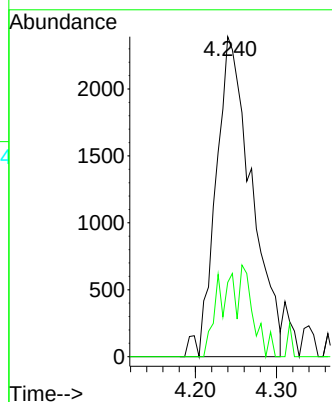
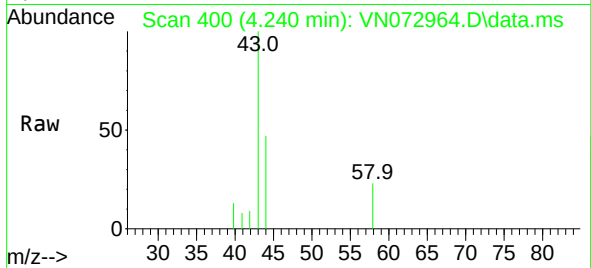




#16
Acetone
Concen: 2.947 ug/l
RT: 4.240 min Scan# 40
Delta R.T. 0.012 min
Lab File: VN072964.D
Acq: 20 Jun 2022 16:17

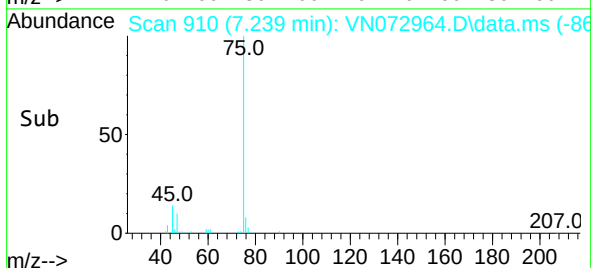
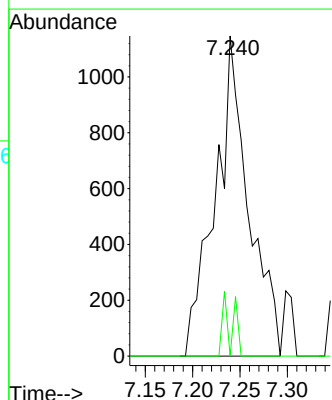
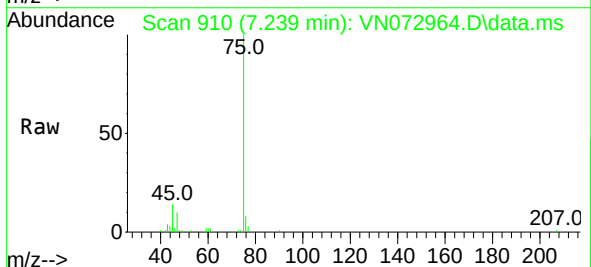
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-06-14

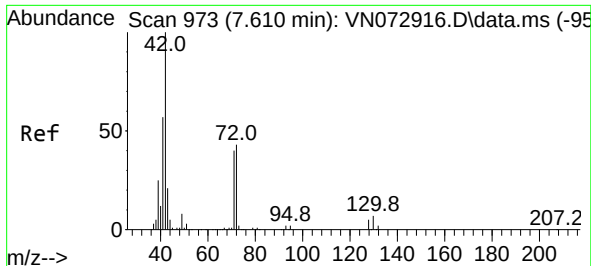
Tgt Ion: 43 Resp: 7260
Ion Ratio Lower Upper
43 100
58 23.2 26.0 39.0#



#25
2-Butanone
Concen: 0.725 ug/l
RT: 7.239 min Scan# 910
Delta R.T. -0.023 min
Lab File: VN072964.D
Acq: 20 Jun 2022 16:17

Tgt Ion: 43 Resp: 2834
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.243 ug/l

RT: 7.628 min Scan# 91

Delta R.T. 0.018 min

Lab File: VN072964.D

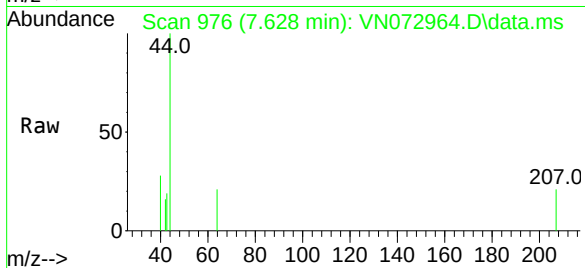
Acq: 20 Jun 2022 16:17

Instrument :

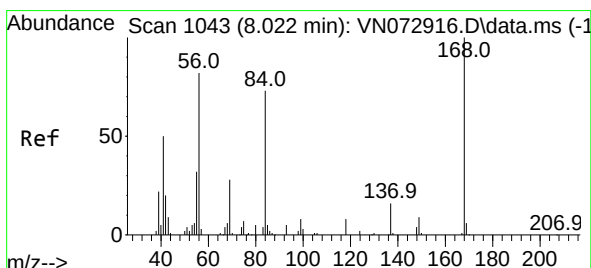
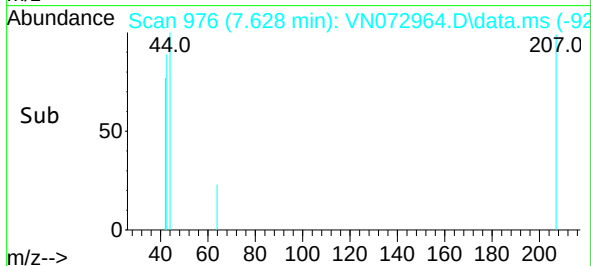
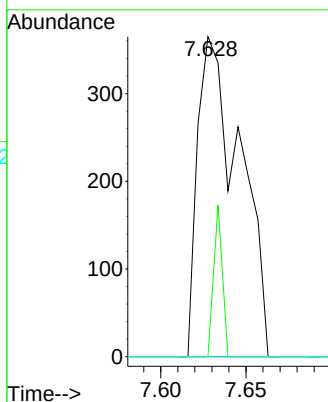
MSVOA_N

ClientSampleId :

TB-2022-06-14



Tgt Ion:	42	Resp:	628
Ion	Ratio	Lower	Upper
42	100		
72	9.7	39.7	59.5#
71	0.0	36.6	55.0#



#31

Cyclohexane

Concen: 1.148 ug/l

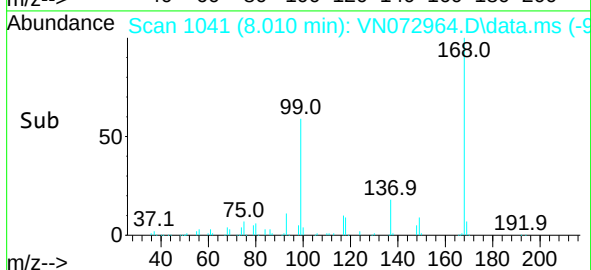
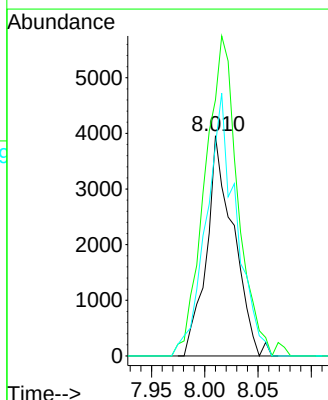
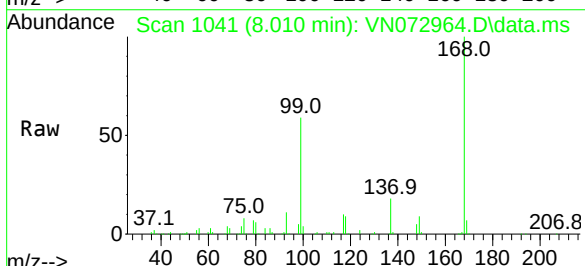
RT: 8.010 min Scan# 1041

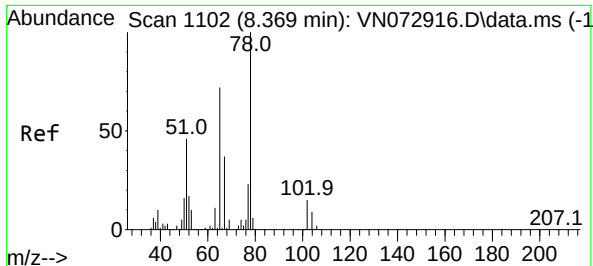
Delta R.T. -0.012 min

Lab File: VN072964.D

Acq: 20 Jun 2022 16:17

Tgt Ion:	56	Resp:	6956
Ion	Ratio	Lower	Upper
56	100		
69	111.0	27.8	41.8#
84	95.9	76.9	115.3

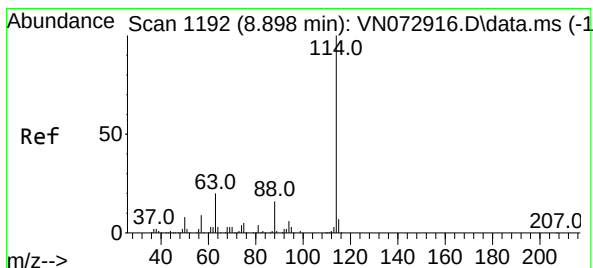
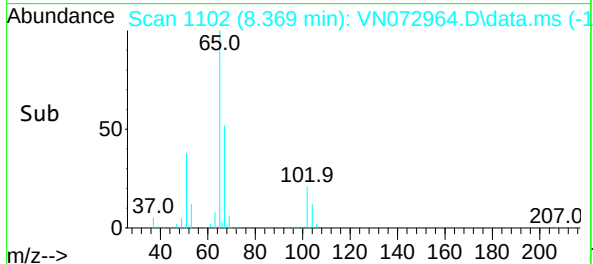
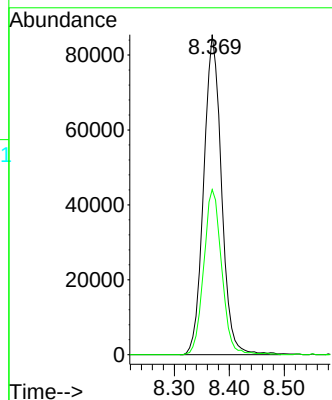
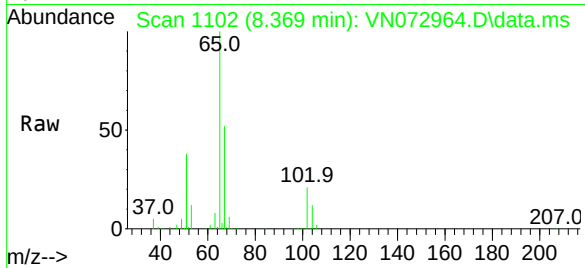




#33
 1,2-Dichloroethane-d4
 Concen: 42.867 ug/l
 RT: 8.369 min Scan# 1102
 Delta R.T. 0.000 min
 Lab File: VN072964.D
 Acq: 20 Jun 2022 16:17

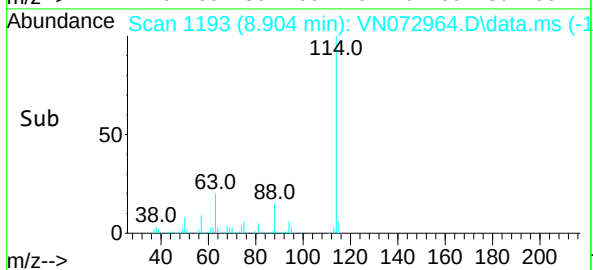
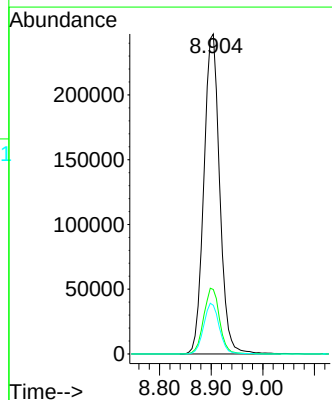
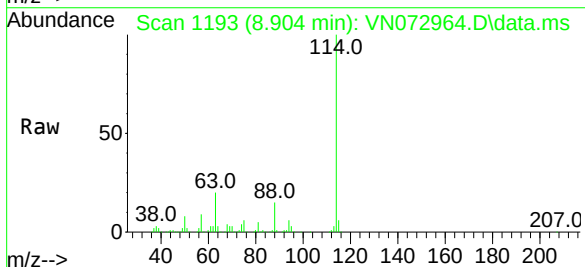
Instrument :
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 TB-2022-06-14

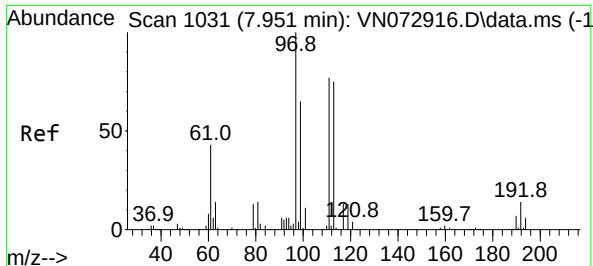
Tgt Ion: 65 Resp: 192094
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 104.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.904 min Scan# 1193
 Delta R.T. 0.006 min
 Lab File: VN072964.D
 Acq: 20 Jun 2022 16:17

Tgt Ion: 114 Resp: 524743
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 40.0
 88 15.2 0.0 32.6

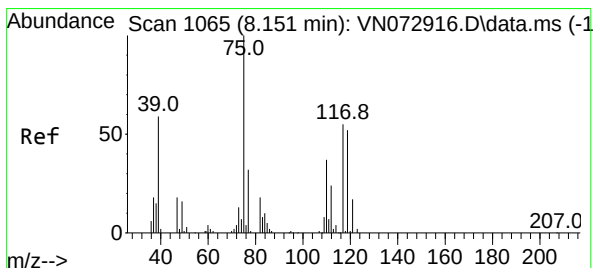
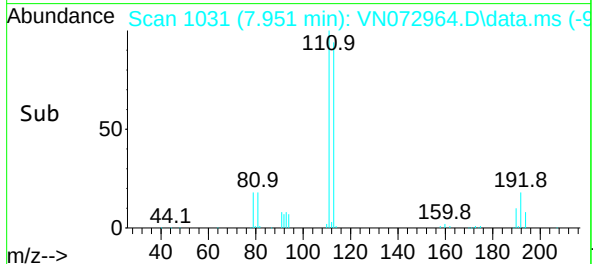
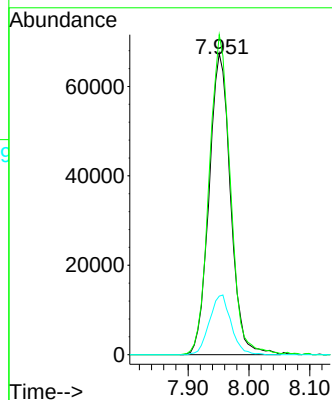
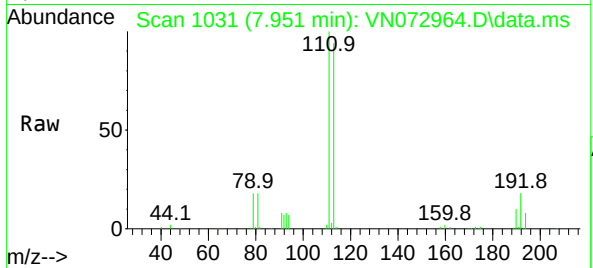




#35
Dibromofluoromethane
Concen: 50.798 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN072964.D
Acq: 20 Jun 2022 16:17

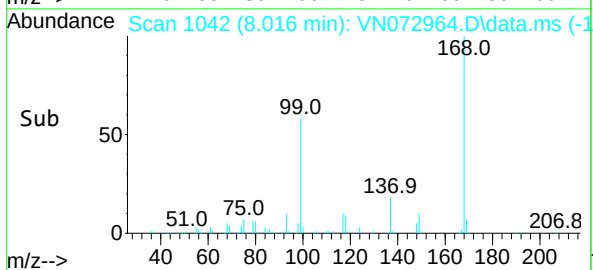
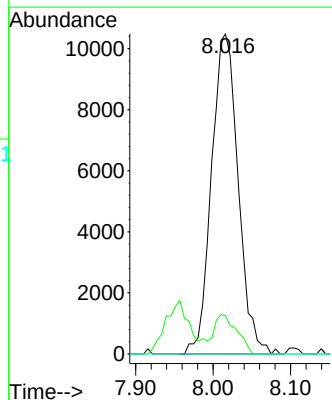
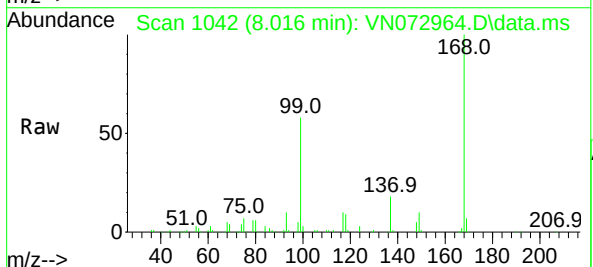
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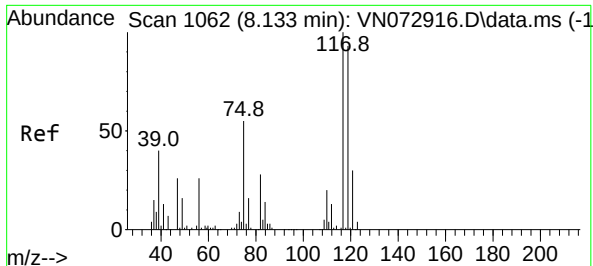
Tgt Ion:113 Resp: 164758
Ion Ratio Lower Upper
113 100
111 105.3 81.4 122.0
192 20.0 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.708 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.135 min
Lab File: VN072964.D
Acq: 20 Jun 2022 16:17

Tgt Ion: 75 Resp: 25052
Ion Ratio Lower Upper
75 100
110 10.4 18.3 54.8#
77 0.0 25.1 37.7#

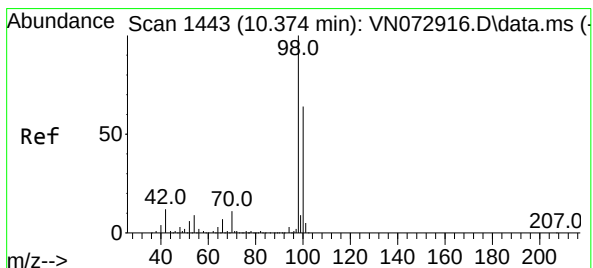
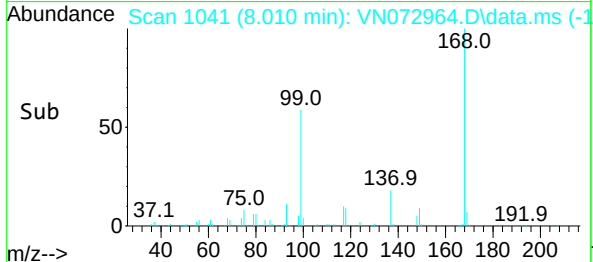
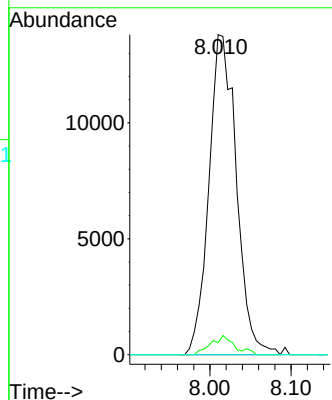
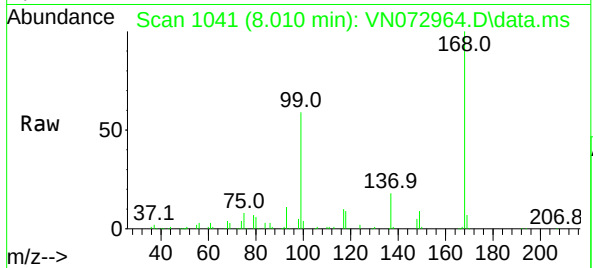




#38
Carbon Tetrachloride
Concen: 7.020 ug/l
RT: 8.010 min Scan# 1062
Delta R.T. -0.123 min
Lab File: VN072964.D
Acq: 20 Jun 2022 16:17

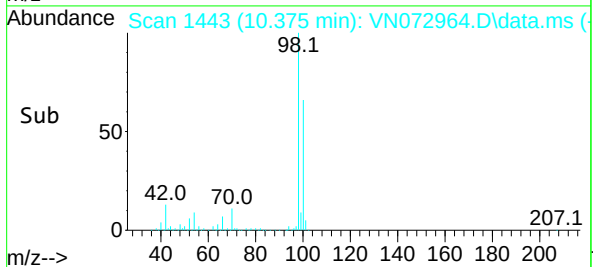
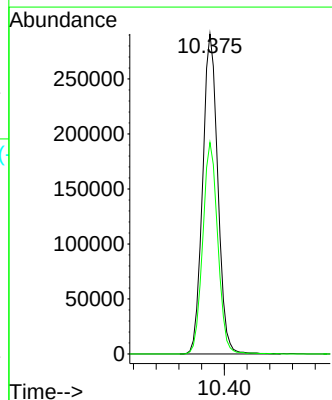
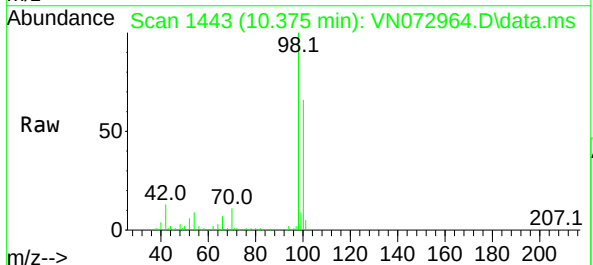
Instrument :
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TB-2022-06-14

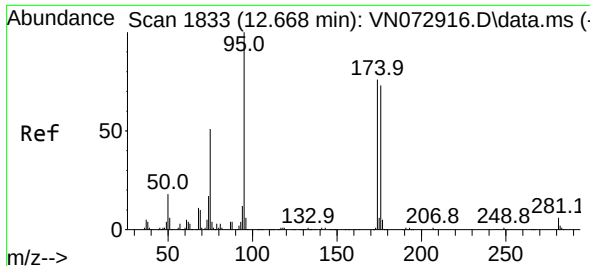
Tgt Ion:117 Resp: 32408
Ion Ratio Lower Upper
117 100
119 3.8 75.8 113.8#
121 0.0 24.6 37.0#



#50
Toluene-d8
Concen: 44.551 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN072964.D
Acq: 20 Jun 2022 16:17

Tgt Ion: 98 Resp: 537677
Ion Ratio Lower Upper
98 100
100 65.6 52.6 78.8

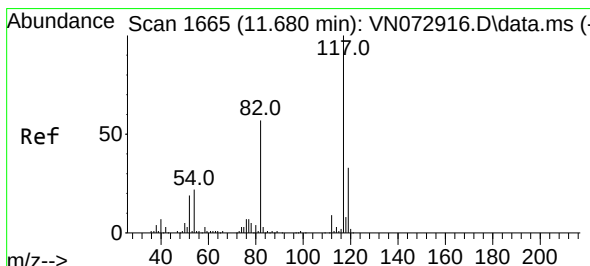
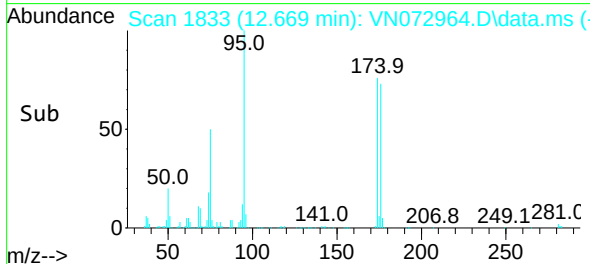
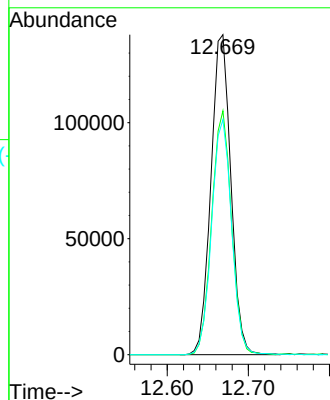
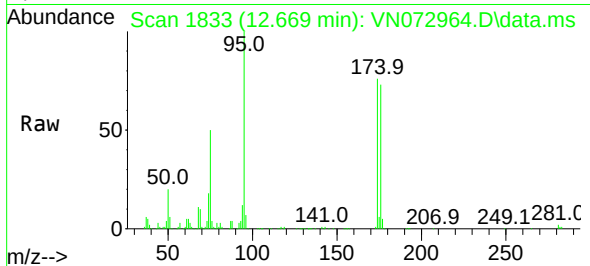




#62
4-Bromofluorobenzene
Concen: 54.247 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN072964.D
Acq: 20 Jun 2022 16:17

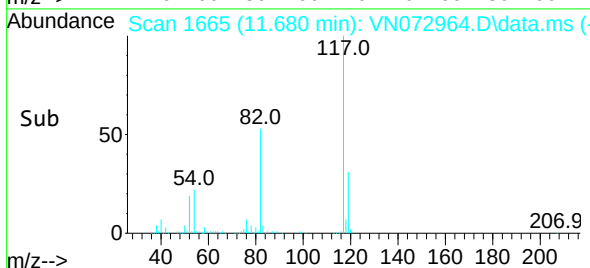
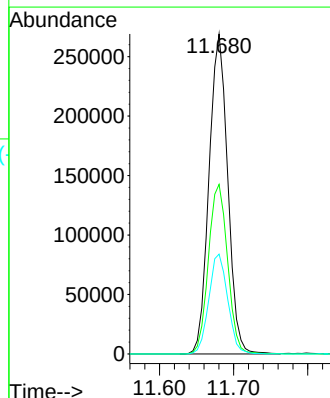
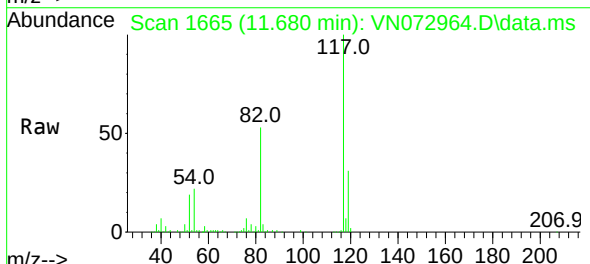
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-06-14

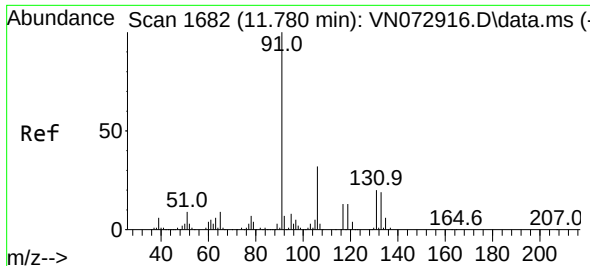
Tgt Ion: 95 Resp: 235417
Ion Ratio Lower Upper
95 100
174 75.6 0.0 167.6
176 73.5 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VN072964.D
Acq: 20 Jun 2022 16:17

Tgt Ion: 117 Resp: 471661
Ion Ratio Lower Upper
117 100
82 53.0 44.2 66.2
119 31.2 25.4 38.0





#67

Ethyl Benzene

Concen: 0.963 ug/l

RT: 11.780 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN072964.D

Acq: 20 Jun 2022 16:17

Instrument :

MSVOA_N

ClientSampleId :

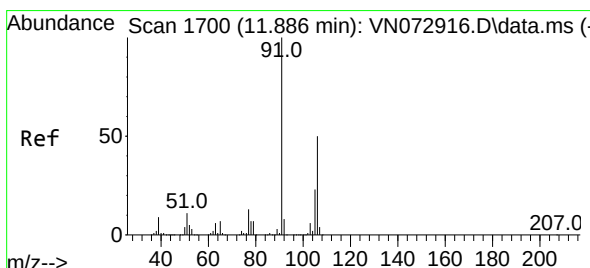
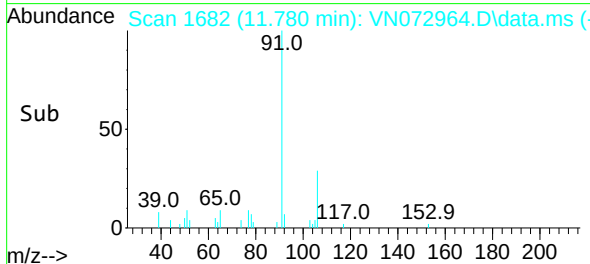
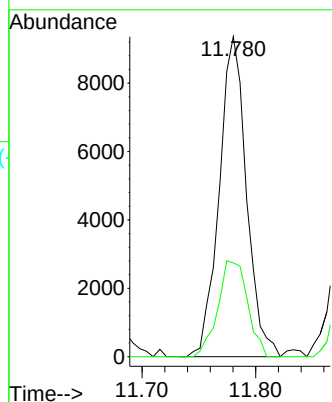
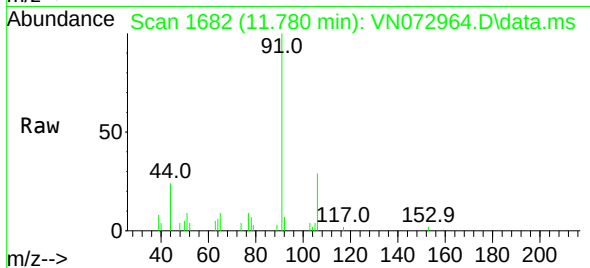
TB-2022-06-14

Tgt Ion: 91 Resp: 15615

Ion Ratio Lower Upper

91 100

106 29.3 24.9 37.3



#68

m/p-Xylenes

Concen: 1.262 ug/l

RT: 11.886 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VN072964.D

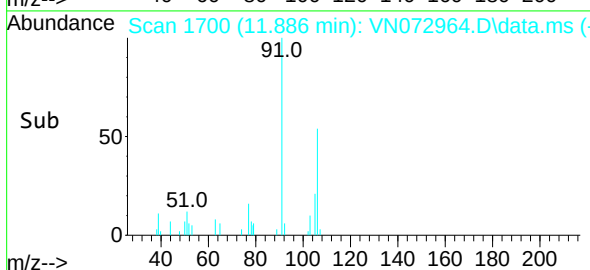
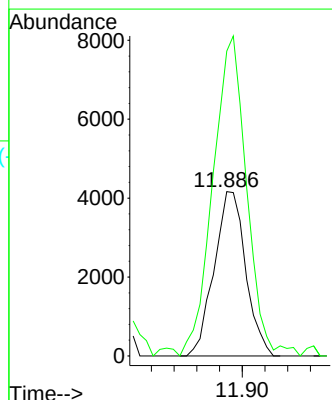
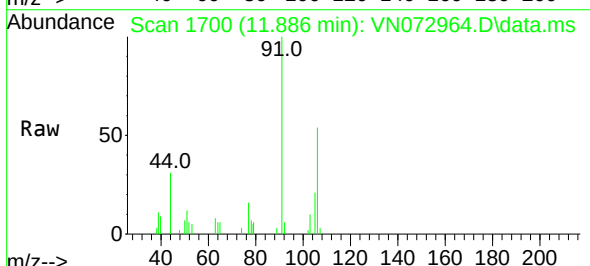
Acq: 20 Jun 2022 16:17

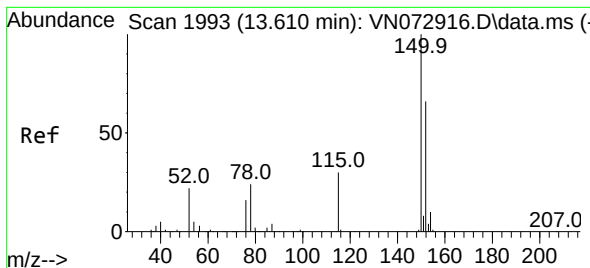
Tgt Ion: 106 Resp: 8023

Ion Ratio Lower Upper

106 100

91 208.1 158.9 238.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. 0.000 min

Lab File: VN072964.D

Acq: 20 Jun 2022 16:17

Instrument :

MSVOA_N

ClientSampleId :

TB-2022-06-14

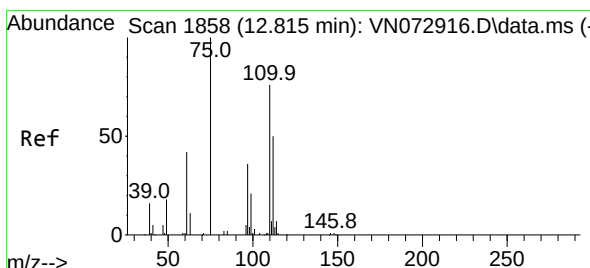
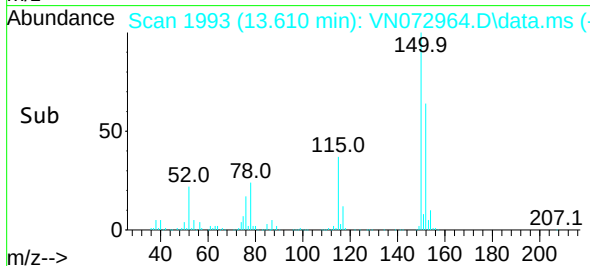
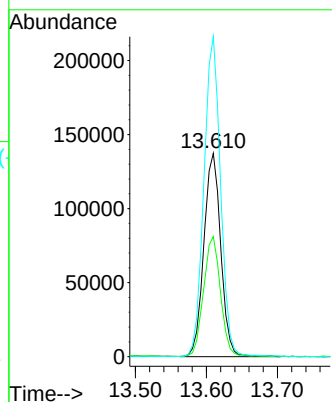
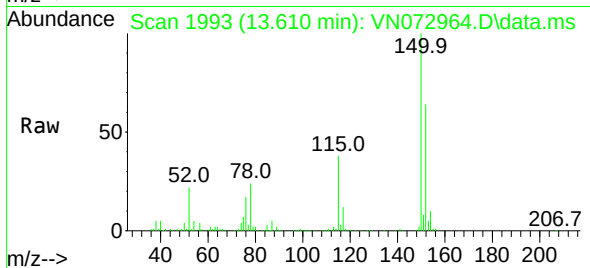
Tgt Ion:152 Resp: 227868

Ion Ratio Lower Upper

152 100

115 59.0 28.9 86.7

150 154.9 0.0 356.2



#76

1,2,3-Trichloropropane

Concen: 21.821 ug/l

RT: 12.663 min Scan# 1832

Delta R.T. -0.153 min

Lab File: VN072964.D

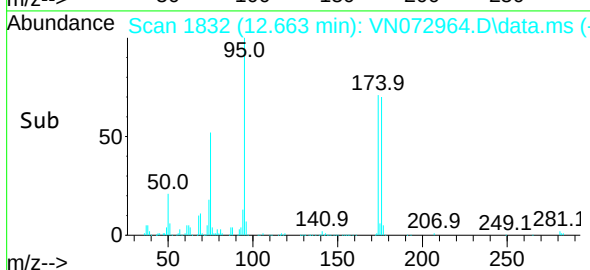
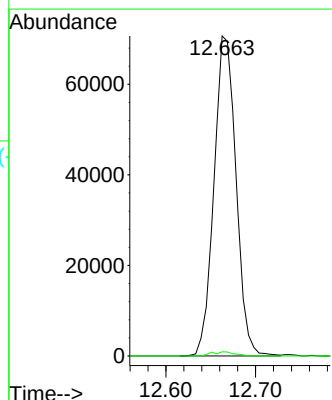
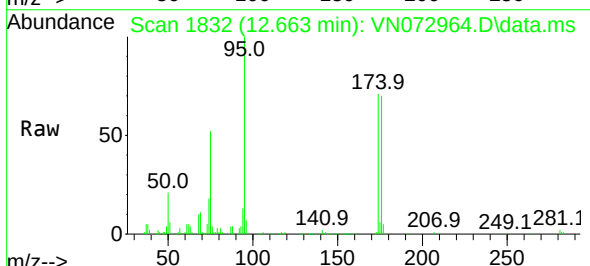
Acq: 20 Jun 2022 16:17

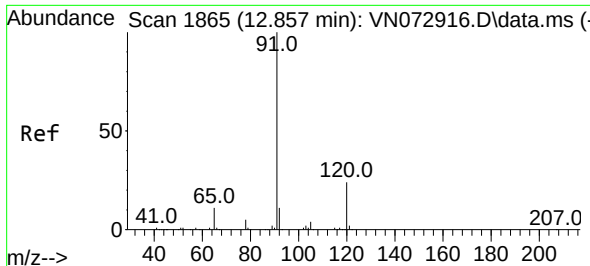
Tgt Ion: 75 Resp: 120553

Ion Ratio Lower Upper

75 100

77 1.4 98.5 295.5#

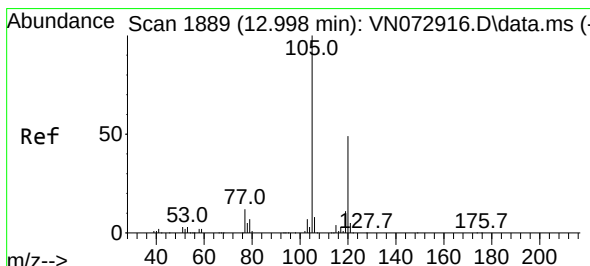
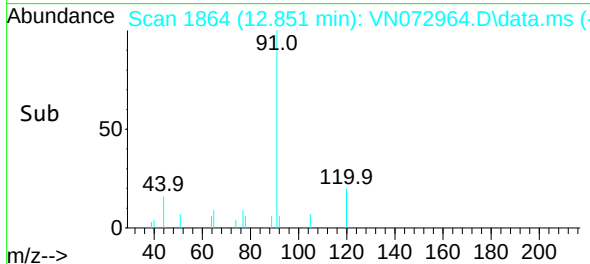
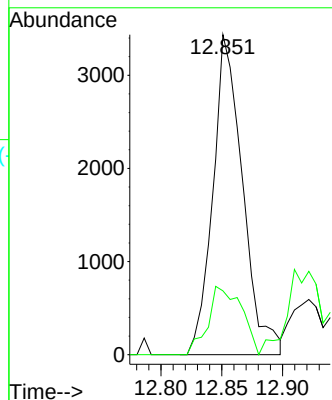
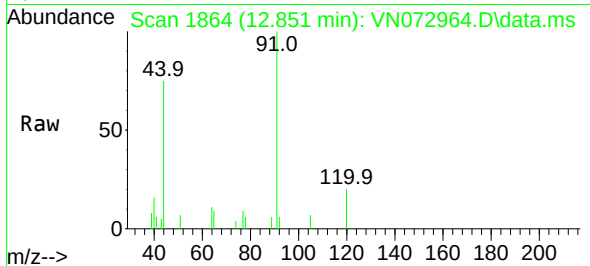




#78
n-propylbenzene
Concen: 0.301 ug/l
RT: 12.851 min Scan# 1864
Delta R.T. -0.006 min
Lab File: VN072964.D
Acq: 20 Jun 2022 16:17

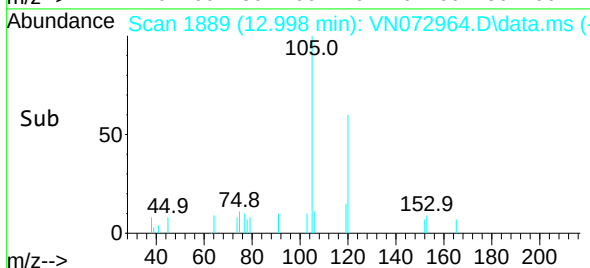
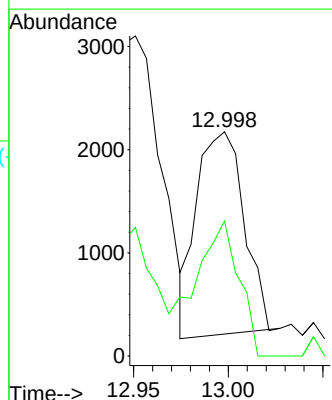
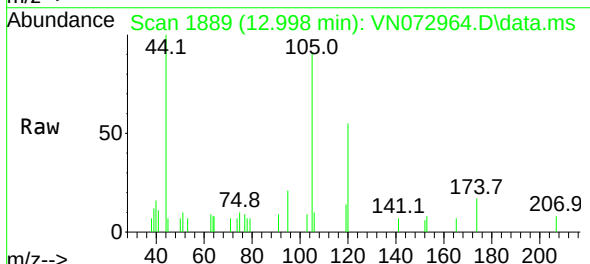
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-06-14

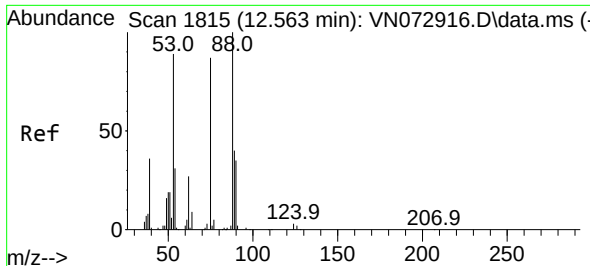
Tgt Ion: 91 Resp: 5836
Ion Ratio Lower Upper
91 100
120 24.0 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 0.237 ug/l
RT: 12.998 min Scan# 1889
Delta R.T. 0.000 min
Lab File: VN072964.D
Acq: 20 Jun 2022 16:17

Tgt Ion: 105 Resp: 3428
Ion Ratio Lower Upper
105 100
120 60.6 24.9 74.7

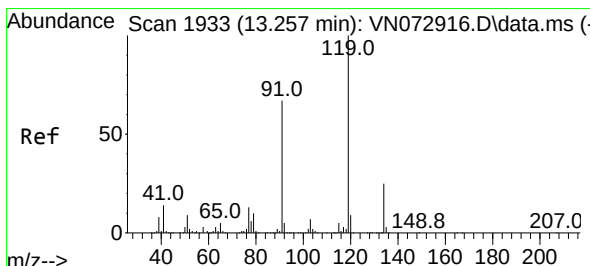
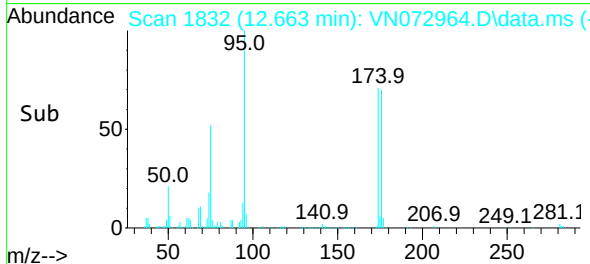
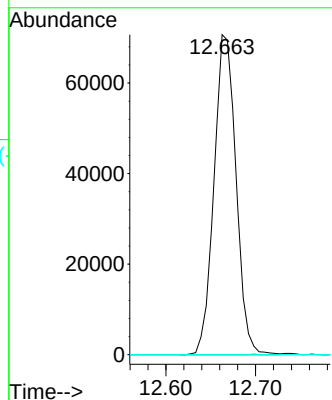
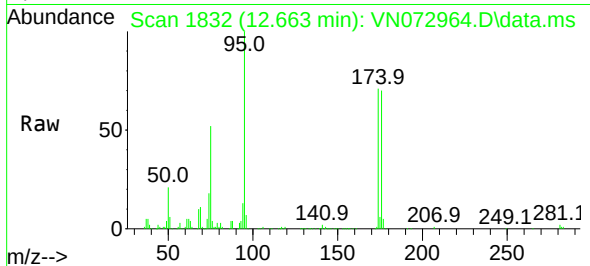




#81
trans-1,4-Dichloro-2-butene
Concen: 58.930 ug/l
RT: 12.663 min Scan# 1815
Delta R.T. 0.100 min
Lab File: VN072964.D
Acq: 20 Jun 2022 16:17

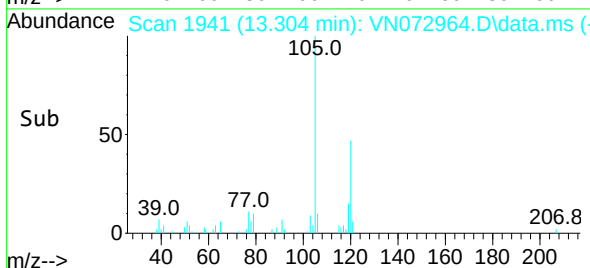
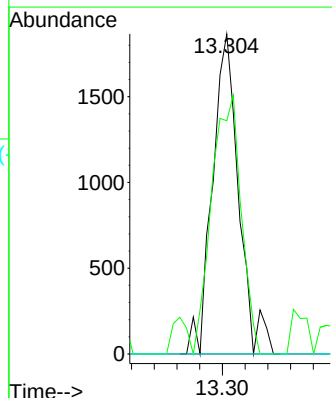
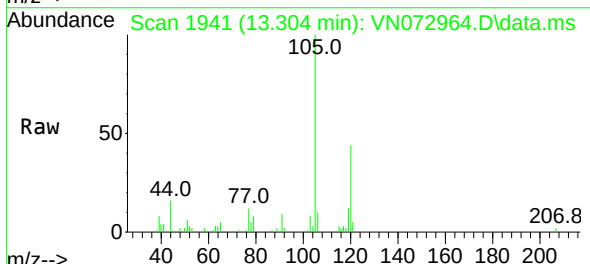
Instrument :
MSVOA_N
ClientSampleId :
TB-2022-06-14

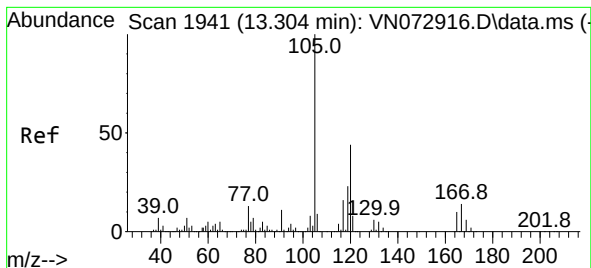
Tgt Ion: 75 Resp: 120553
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#83
tert-Butylbenzene
Concen: 0.226 ug/l
RT: 13.304 min Scan# 1941
Delta R.T. 0.047 min
Lab File: VN072964.D
Acq: 20 Jun 2022 16:17

Tgt Ion: 119 Resp: 2999
Ion Ratio Lower Upper
119 100
91 90.7 31.6 94.8
134 0.0 13.7 41.1#





#84

1,2,4-Trimethylbenzene

Concen: 1.597 ug/l

RT: 13.304 min Scan# 1941

Delta R.T. 0.000 min

Lab File: VN072964.D

Acq: 20 Jun 2022 16:17

Instrument :

MSVOA_N

ClientSampleId :

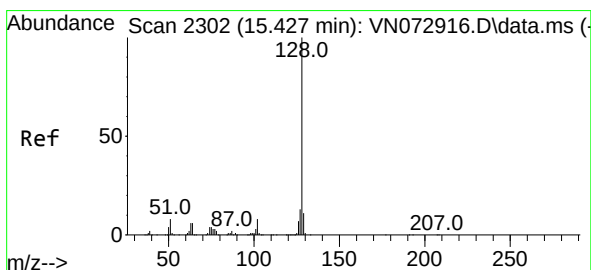
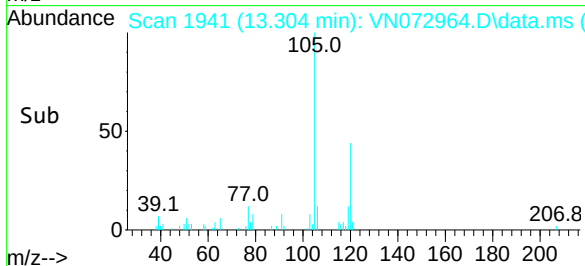
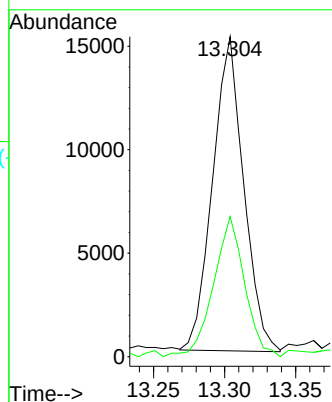
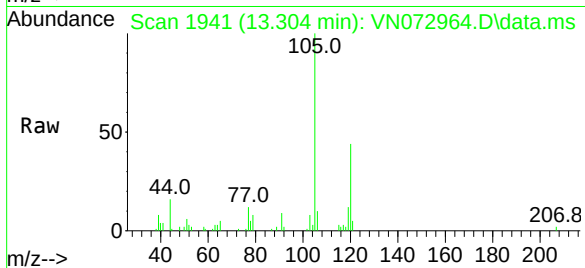
TB-2022-06-14

Tgt Ion:105 Resp: 23035

Ion Ratio Lower Upper

105 100

120 44.5 23.3 69.8



#95

Naphthalene

Concen: 3.605 ug/l

RT: 15.427 min Scan# 2302

Delta R.T. 0.000 min

Lab File: VN072964.D

Acq: 20 Jun 2022 16:17

Tgt Ion:128 Resp: 63454

Ion Ratio Lower Upper

128 100

127 13.9 10.3 15.5

129 11.7 8.6 13.0

