

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061022\
 Data File : VN072768.D
 Acq On : 10 Jun 2022 16:34
 Operator : JC\MD
 Sample : N3293-18 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 52322-D

Quant Time: Jun 11 01:55:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060822W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 05:17:31 2022
 Response via : Initial Calibration

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

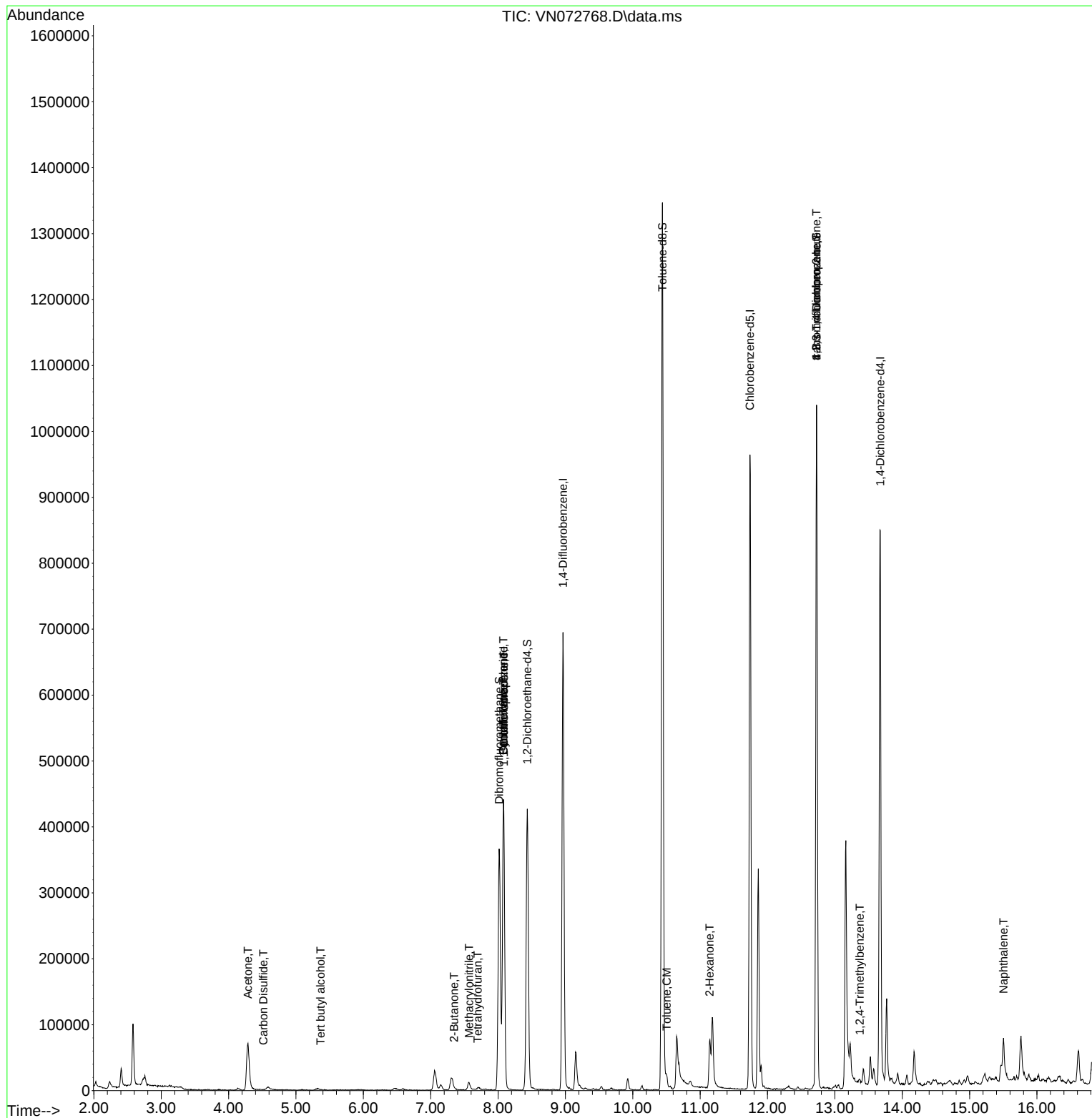
Internal Standards						
1) Pentafluorobenzene	8.081	168	290721	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.963	114	542350	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.739	117	495159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.674	152	202879	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.434	65	353449	45.298	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.600%
35) Dibromofluoromethane	8.016	113	260307	48.506	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	97.020%
50) Toluene-d8	10.439	98	845470	39.488	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	78.980%
62) 4-Bromofluorobenzene	12.727	95	350202	47.665	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	95.320%
Target Compounds						
					Qvalue	
3) Chloromethane	2.299	50	623	Below Cal	#	43
5) Bromomethane	2.846	94	317	Below Cal	#	2
6) Chloroethane	3.010	64	686	Below Cal	#	69
11) Tert butyl alcohol	5.363	59	475	0.255	ug/l	# 72
16) Acetone	4.287	43	136318	36.460	ug/l	96
17) Carbon Disulfide	4.516	76	129	0.296	ug/l	# 75
20) Methylene Chloride	5.099	84	374	Below Cal	#	13
25) 2-Butanone	7.345	43	1486	0.247	ug/l	# 83
29) Tetrahydrofuran	7.698	42	846	0.228	ug/l	# 29
31) Cyclohexane	8.081	56	10116	0.521	ug/l	# 56
36) 1,1-Dichloropropene	8.087	75	30577	4.105	ug/l	# 48
38) Carbon Tetrachloride	8.081	117	34949	4.390	ug/l	# 17
41) Methacrylonitrile	7.569	41	3965	1.016	ug/l	# 1
52) Toluene	10.504	92	5450	0.386	ug/l	93
59) 2-Hexanone	11.139	43	15917	1.844	ug/l	65
76) 1,2,3-Trichloropropane	12.727	75	204829	31.287	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.727	75	204829	81.824	ug/l	# 10
84) 1,2,4-Trimethylbenzene	13.369	105	3900	0.236	ug/l	98
95) Naphthalene	15.504	128	56367	4.229	ug/l	# 95

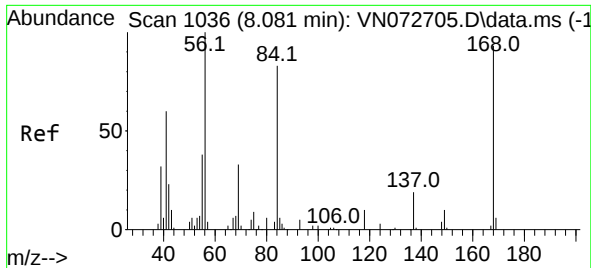
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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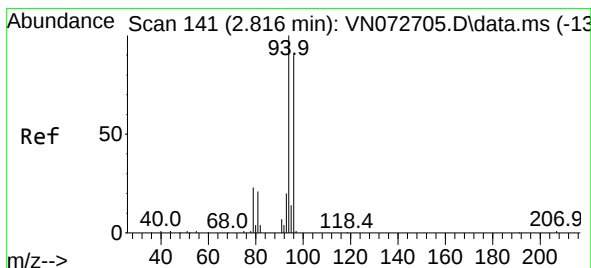
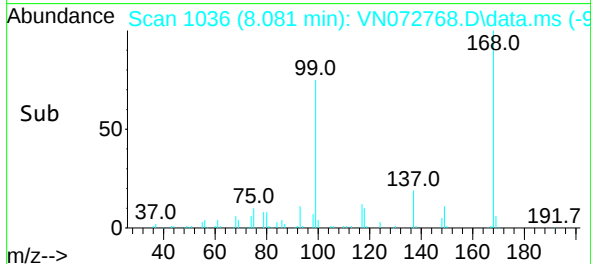
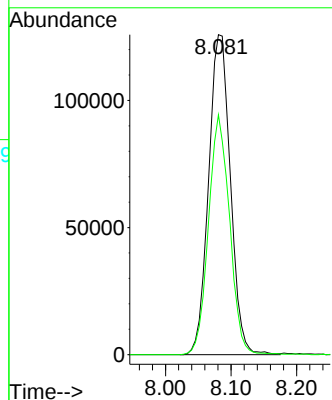
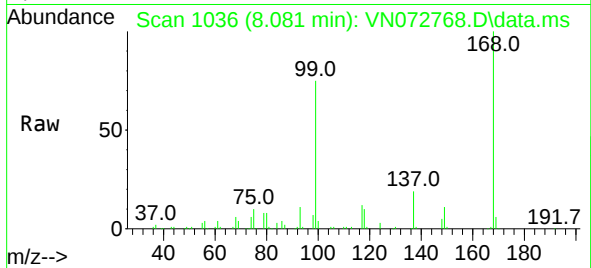




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.081 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN072768.D
Acq: 10 Jun 2022 16:34

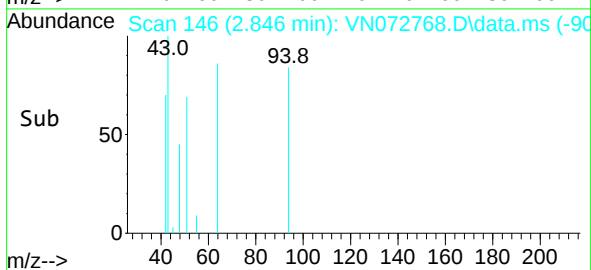
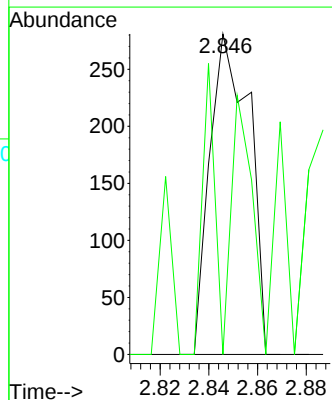
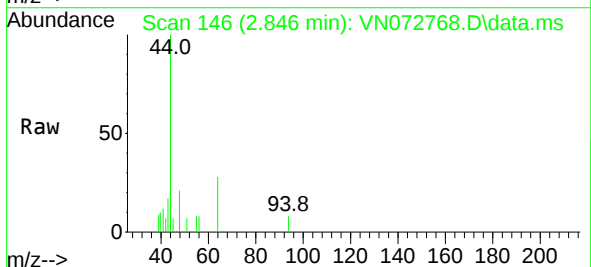
Instrument :
MSVOA_N
ClientSampleId :
52322-D

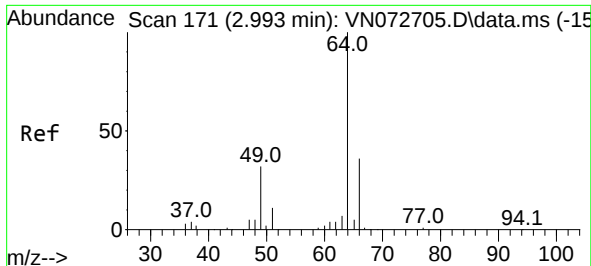
Tgt Ion:168 Resp: 290721
Ion Ratio Lower Upper
168 100
99 74.9 42.3 63.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.846 min Scan# 146
Delta R.T. 0.030 min
Lab File: VN072768.D
Acq: 10 Jun 2022 16:34

Tgt Ion: 94 Resp: 317
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#

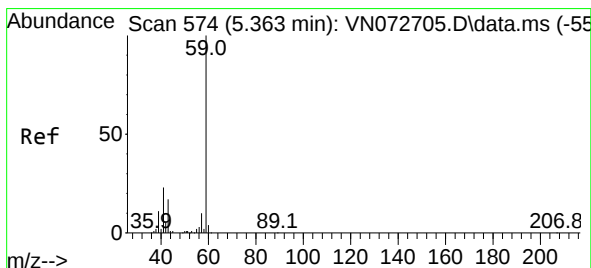
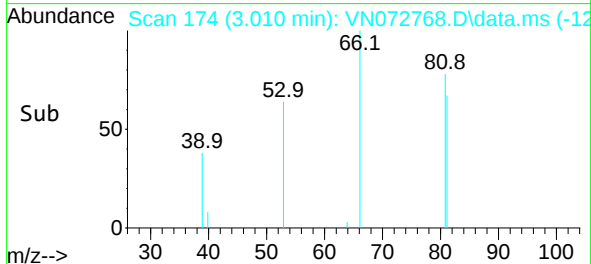
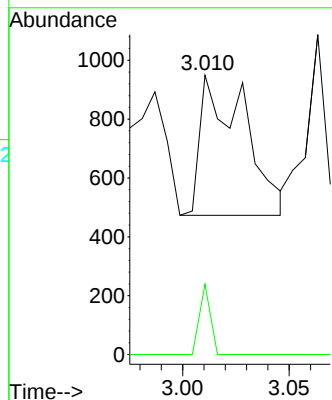
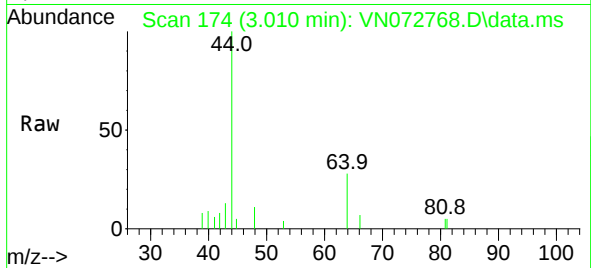




#6
Chloroethane
Concen: Below Cal
RT: 3.010 min Scan# 11
Delta R.T. 0.017 min
Lab File: VN072768.D
Acq: 10 Jun 2022 16:34

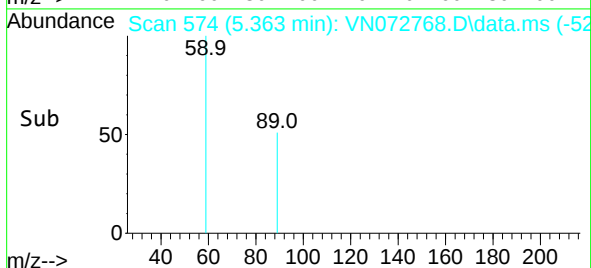
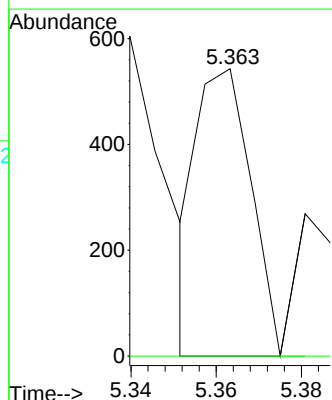
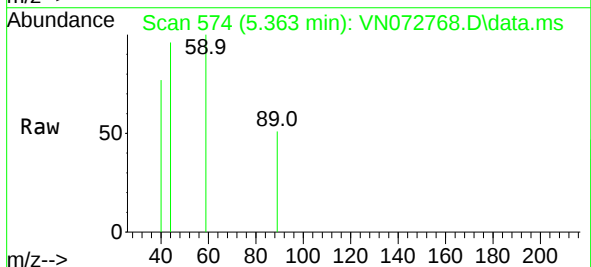
Instrument :
MSVOA_N
ClientSampleId :
52322-D

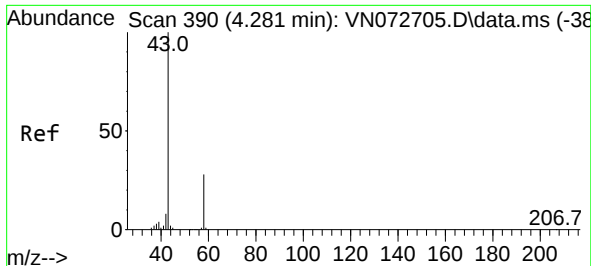
Tgt Ion: 64 Resp: 686
Ion Ratio Lower Upper
64 100
66 50.2 26.2 39.4#



#11
Tert butyl alcohol
Concen: 0.255 ug/l
RT: 5.363 min Scan# 574
Delta R.T. 0.000 min
Lab File: VN072768.D
Acq: 10 Jun 2022 16:34

Tgt Ion: 59 Resp: 475
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

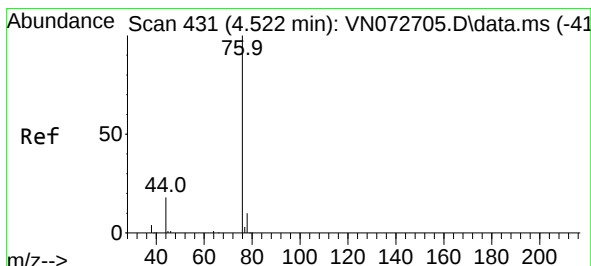
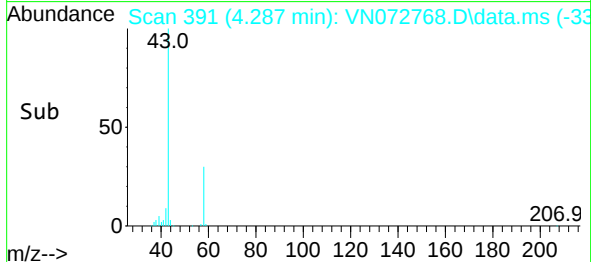
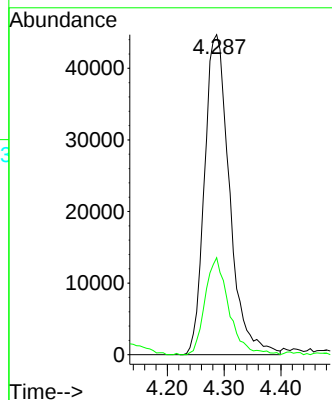
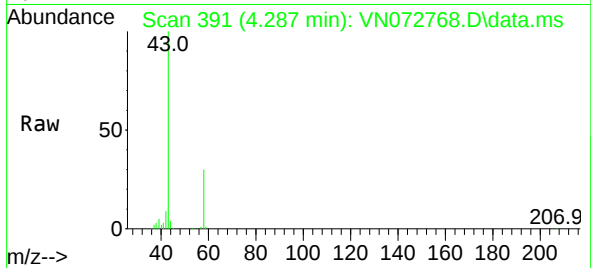




#16
Acetone
Concen: 36.460 ug/l
RT: 4.287 min Scan# 391
Delta R.T. 0.006 min
Lab File: VN072768.D
Acq: 10 Jun 2022 16:34

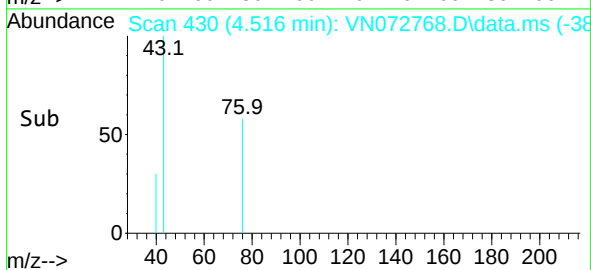
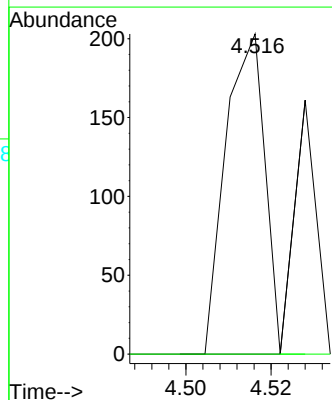
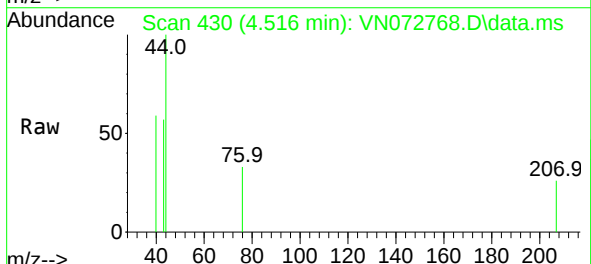
Instrument :
MSVOA_N
ClientSampleId :
52322-D

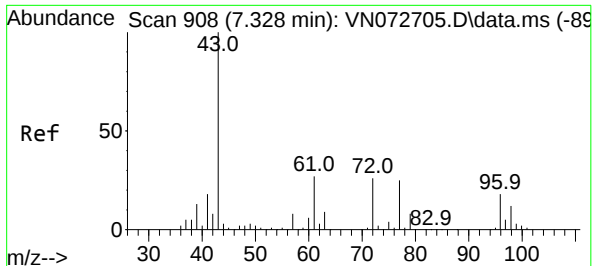
Tgt Ion: 43 Resp: 136318
Ion Ratio Lower Upper
43 100
58 30.3 26.0 39.0



#17
Carbon Disulfide
Concen: 0.296 ug/l
RT: 4.516 min Scan# 430
Delta R.T. -0.006 min
Lab File: VN072768.D
Acq: 10 Jun 2022 16:34

Tgt Ion: 76 Resp: 129
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#





#25

2-Butanone

Concen: 0.247 ug/l

RT: 7.345 min Scan# 911

Delta R.T. 0.017 min

Lab File: VN072768.D

Acq: 10 Jun 2022 16:34

Instrument :

MSVOA_N

ClientSampleId :

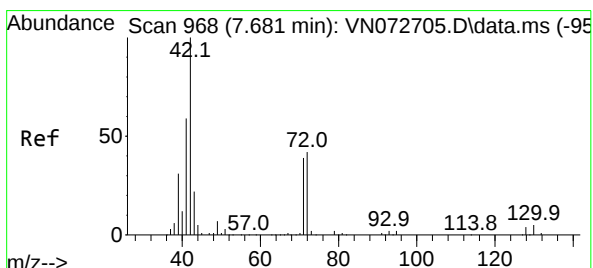
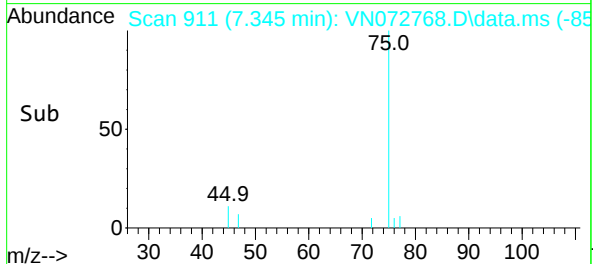
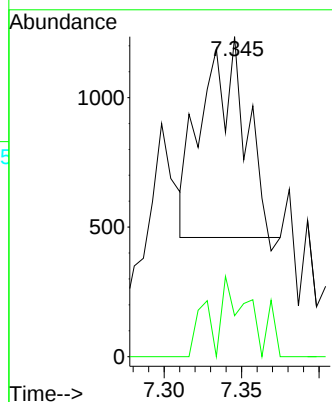
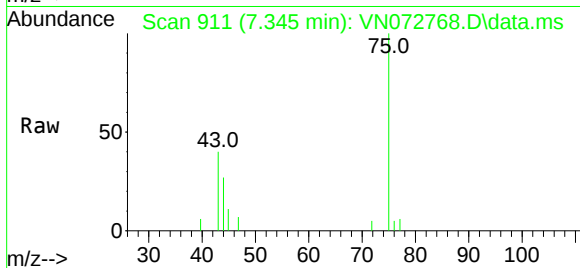
52322-D

Tgt Ion: 43 Resp: 1486

Ion Ratio Lower Upper

43 100

72 20.4 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.228 ug/l

RT: 7.698 min Scan# 971

Delta R.T. 0.017 min

Lab File: VN072768.D

Acq: 10 Jun 2022 16:34

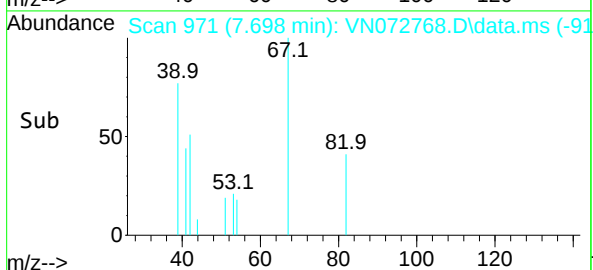
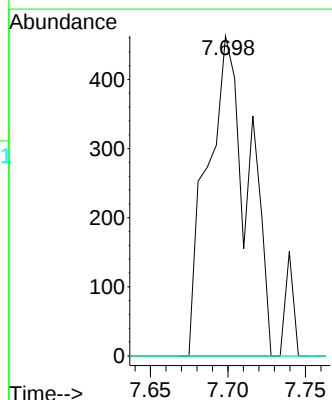
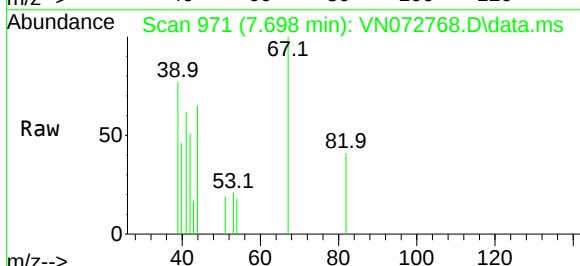
Tgt Ion: 42 Resp: 846

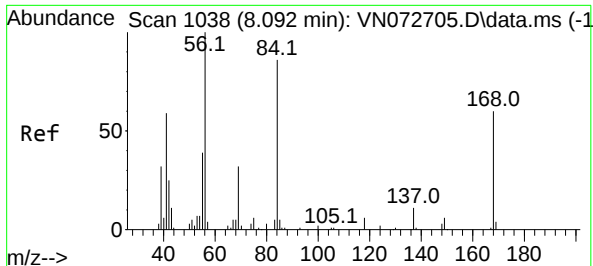
Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

71 0.0 36.6 55.0#

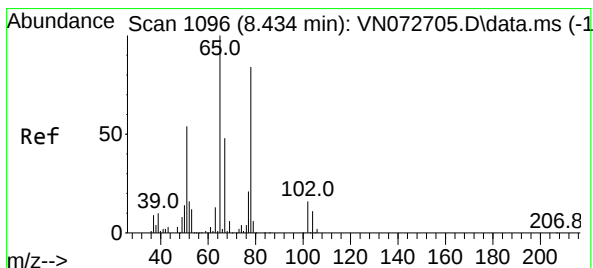
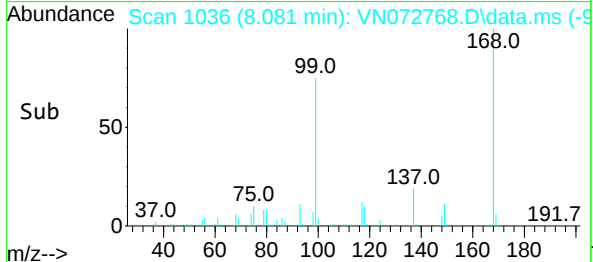
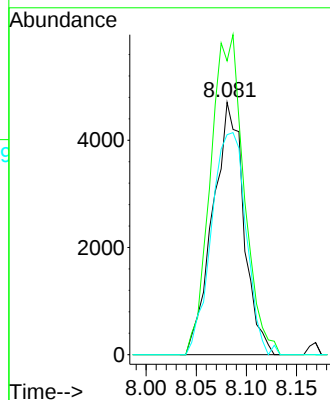
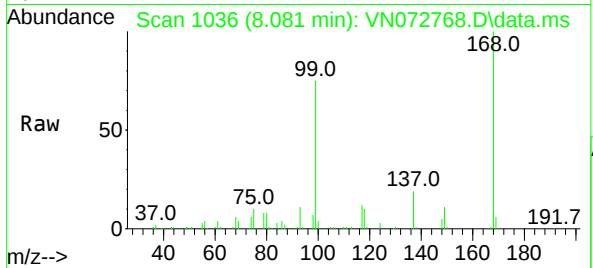




#31
Cyclohexane
Concen: 0.521 ug/l
RT: 8.081 min Scan# 1036
Delta R.T. -0.011 min
Lab File: VN072768.D
Acq: 10 Jun 2022 16:34

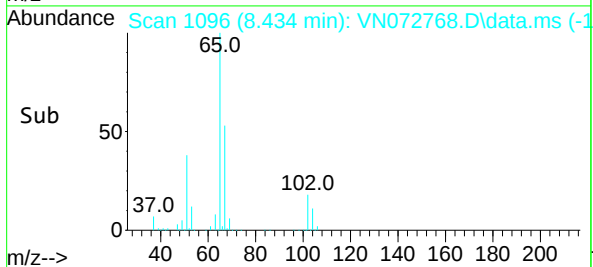
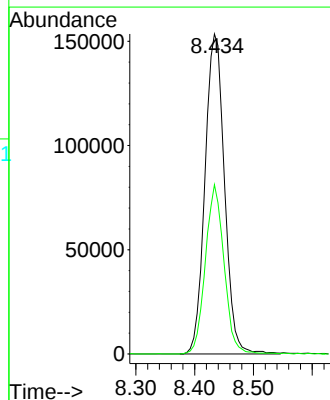
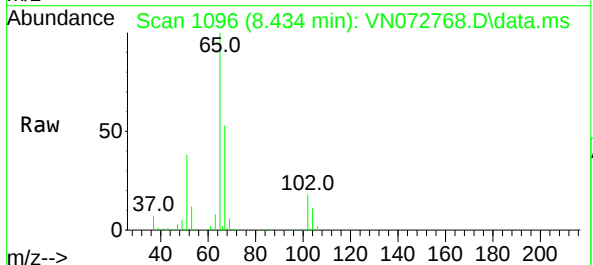
Instrument :
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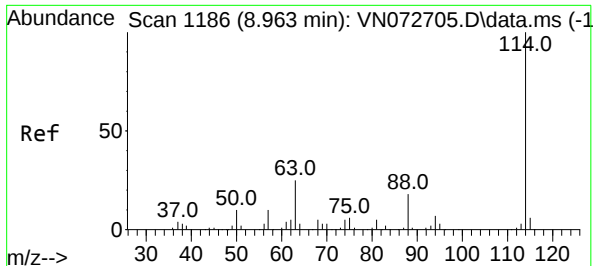
Tgt Ion: 56 Resp: 10116
Ion Ratio Lower Upper
56 100
69 116.4 27.8 41.8#
84 87.2 76.9 115.3



#33
1,2-Dichloroethane-d4
Concen: 45.298 ug/l
RT: 8.434 min Scan# 1096
Delta R.T. -0.000 min
Lab File: VN072768.D
Acq: 10 Jun 2022 16:34

Tgt Ion: 65 Resp: 353449
Ion Ratio Lower Upper
65 100
67 50.5 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.963 min Scan# 1186

Delta R.T. 0.000 min

Lab File: VN072768.D

Acq: 10 Jun 2022 16:34

Instrument :

MSVOA_N

ClientSampleId :

52322-D

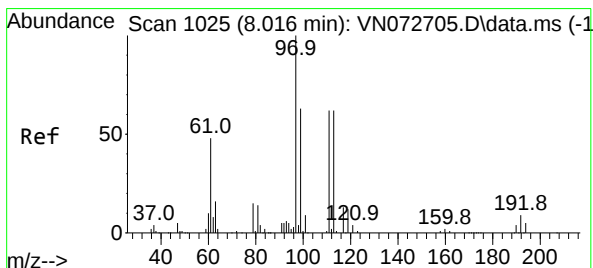
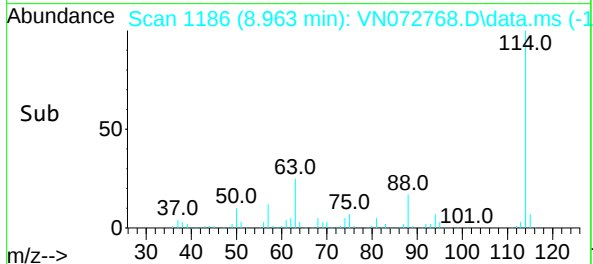
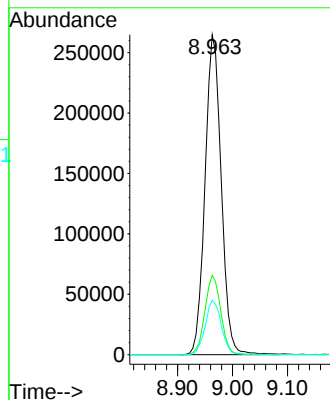
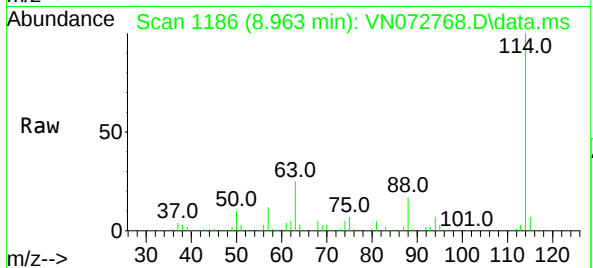
Tgt Ion:114 Resp: 542350

Ion Ratio Lower Upper

114 100

63 24.8 0.0 40.0

88 17.0 0.0 32.6



#35

Dibromofluoromethane

Concen: 48.506 ug/l

RT: 8.016 min Scan# 1025

Delta R.T. 0.000 min

Lab File: VN072768.D

Acq: 10 Jun 2022 16:34

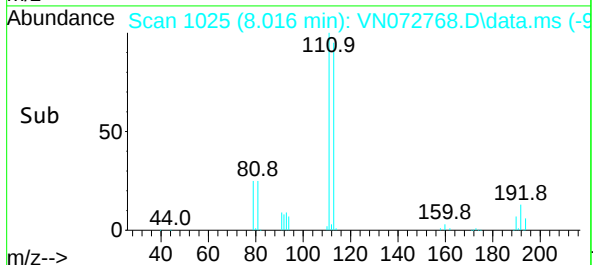
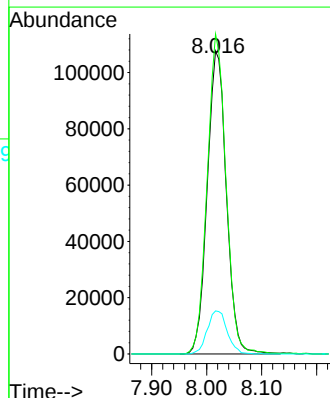
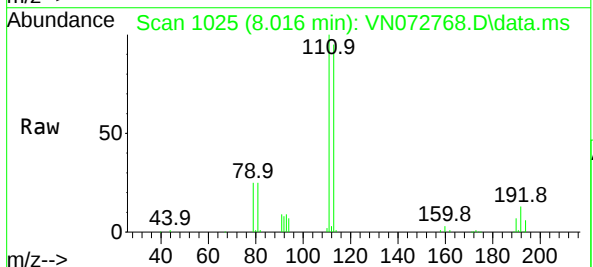
Tgt Ion:113 Resp: 260307

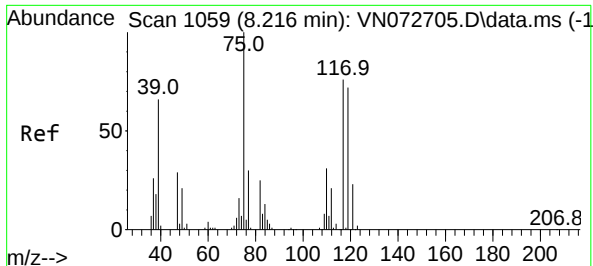
Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.0

192 14.8 17.0 25.6#





#36

1,1-Dichloropropene

Concen: 4.105 ug/l

RT: 8.087 min Scan# 1037

Delta R.T. -0.129 min

Lab File: VN072768.D

Acq: 10 Jun 2022 16:34

Instrument :

MSVOA_N

ClientSampleId :

52322-D

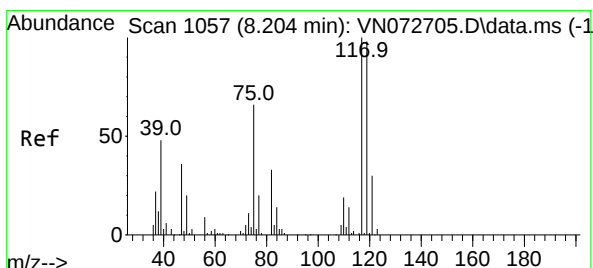
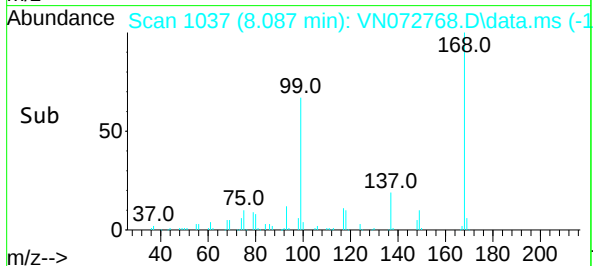
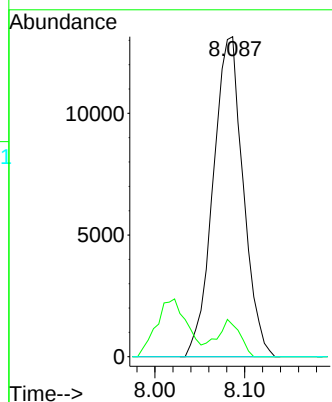
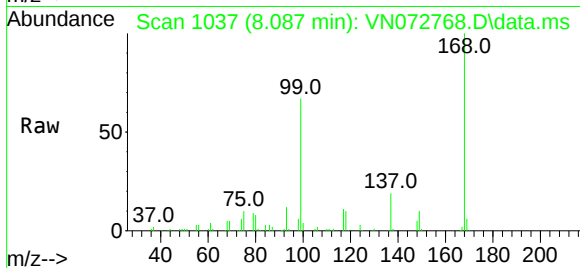
Tgt Ion: 75 Resp: 30577

Ion Ratio Lower Upper

75 100

110 8.5 18.3 54.8#

77 0.0 25.1 37.7#



#38

Carbon Tetrachloride

Concen: 4.390 ug/l

RT: 8.081 min Scan# 1036

Delta R.T. -0.123 min

Lab File: VN072768.D

Acq: 10 Jun 2022 16:34

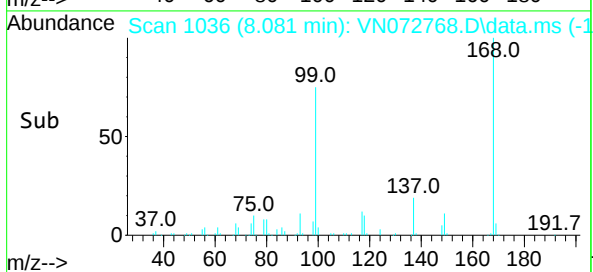
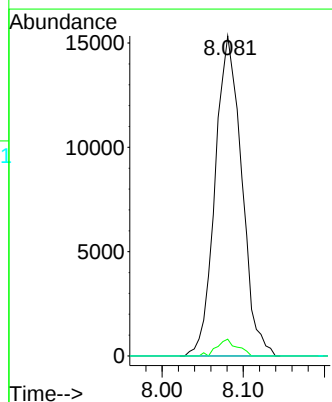
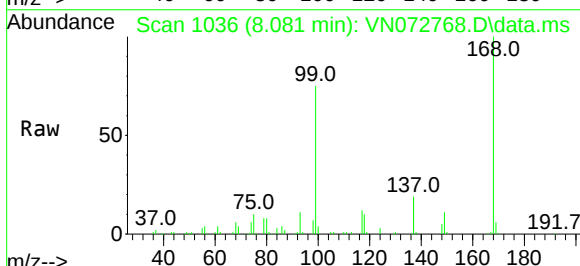
Tgt Ion: 117 Resp: 34949

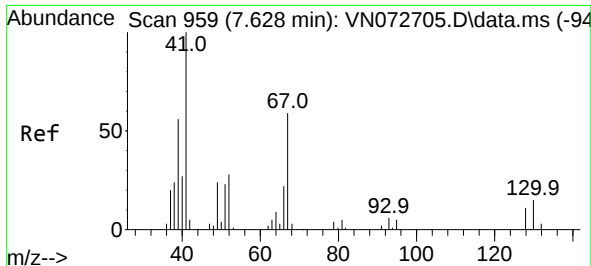
Ion Ratio Lower Upper

117 100

119 5.2 75.8 113.8#

121 0.0 24.6 37.0#

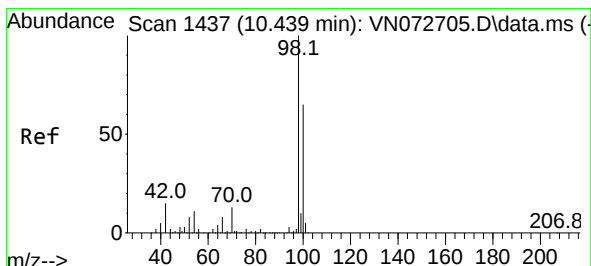
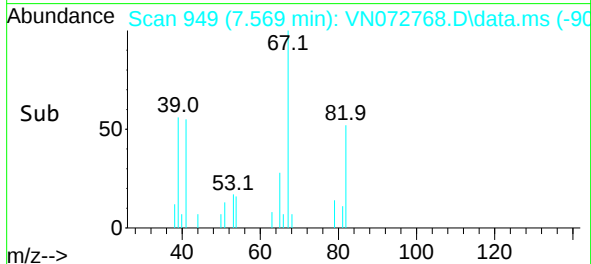
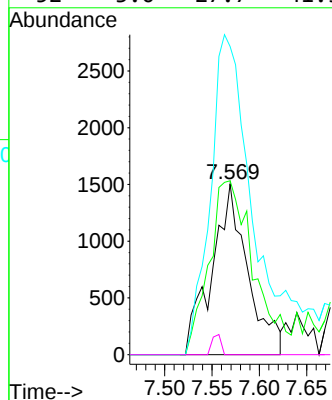
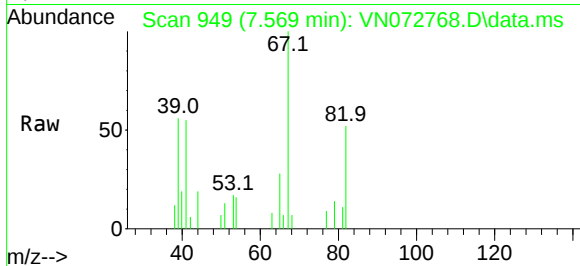




#41
Methacrylonitrile
Concen: 1.016 ug/l
RT: 7.569 min Scan# 949
Delta R.T. -0.059 min
Lab File: VN072768.D
Acq: 10 Jun 2022 16:34

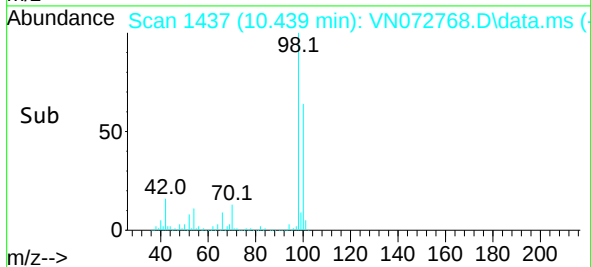
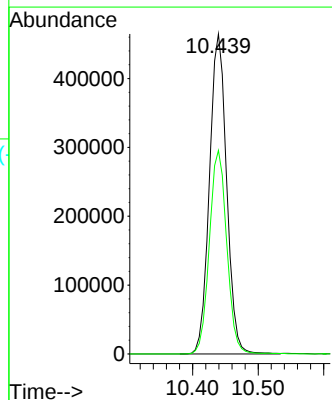
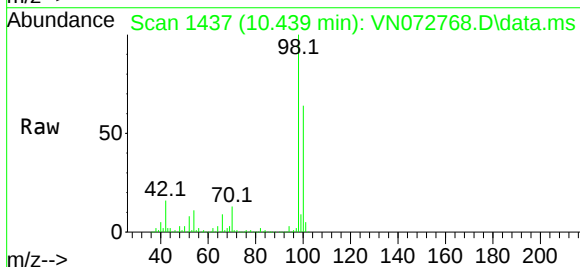
Instrument :
MSVOA_N
ClientSampleId :
52322-D

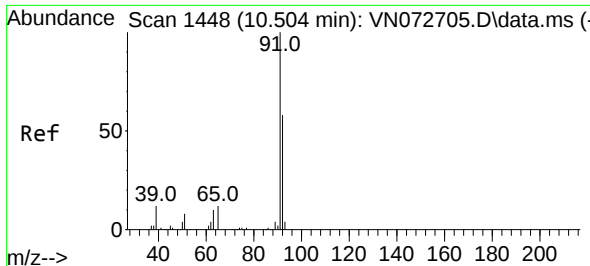
Tgt Ion: 41	Resp: 3965
Ion Ratio	Lower Upper
41 100	
39 127.0	48.6 73.0#
67 233.8	73.4 110.2#
52 3.0	27.7 41.5#



#50
Toluene-d8
Concen: 39.488 ug/l
RT: 10.439 min Scan# 1437
Delta R.T. 0.000 min
Lab File: VN072768.D
Acq: 10 Jun 2022 16:34

Tgt Ion: 98	Resp: 845470
Ion Ratio	Lower Upper
98 100	
100 64.5	52.6 78.8

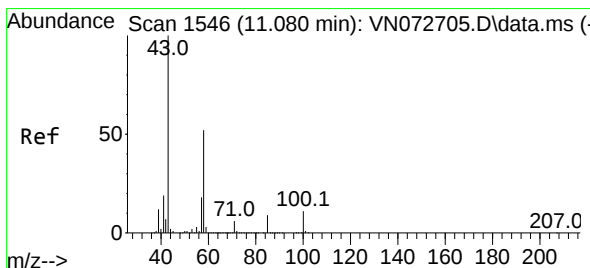
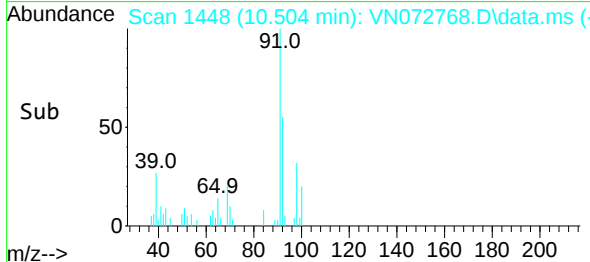
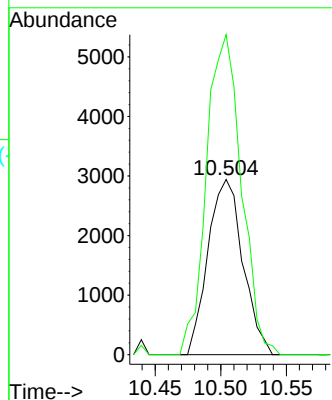
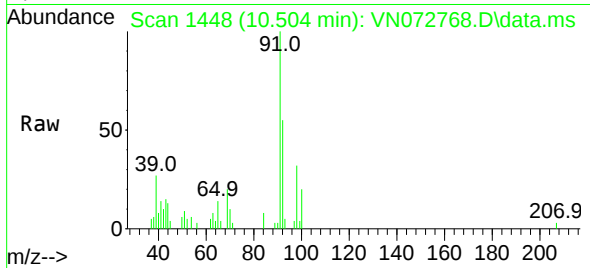




#52
Toluene
Concen: 0.386 ug/l
RT: 10.504 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN072768.D
Acq: 10 Jun 2022 16:34

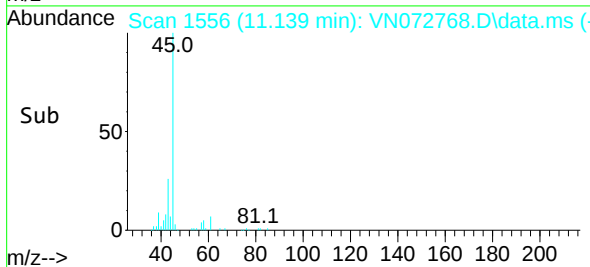
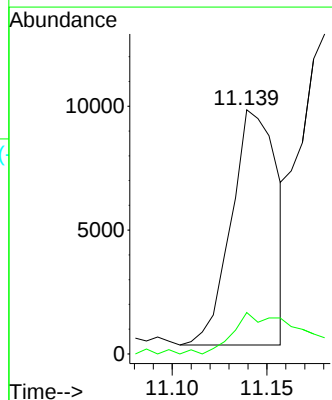
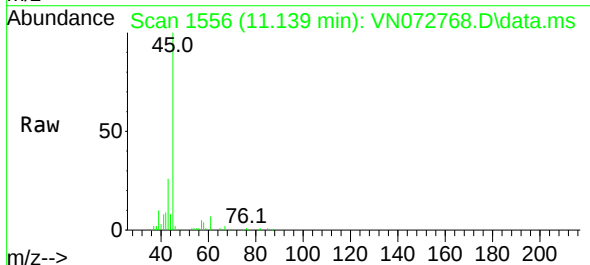
Instrument :
MSVOA_N
ClientSampleId :
52322-D

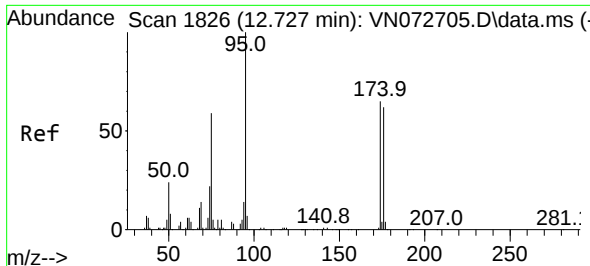
Tgt Ion: 92 Resp: 5450
Ion Ratio Lower Upper
92 100
91 182.7 138.6 207.8



#59
2-Hexanone
Concen: 1.844 ug/l
RT: 11.139 min Scan# 1556
Delta R.T. 0.059 min
Lab File: VN072768.D
Acq: 10 Jun 2022 16:34

Tgt Ion: 43 Resp: 15917
Ion Ratio Lower Upper
43 100
58 32.9 29.7 89.1

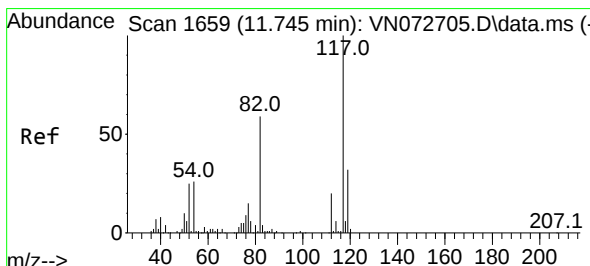
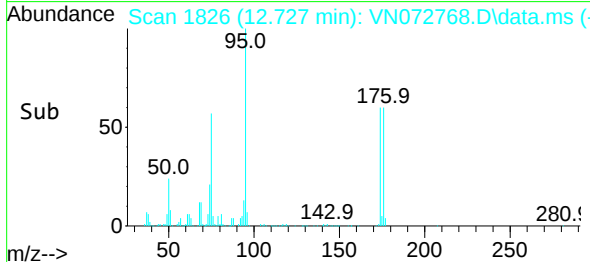
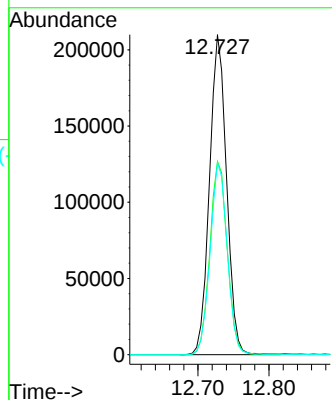
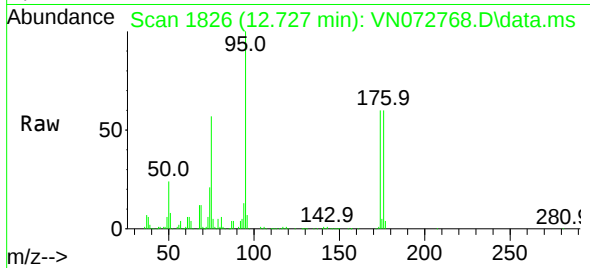




#62
4-Bromofluorobenzene
Concen: 47.665 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. 0.000 min
Lab File: VN072768.D
Acq: 10 Jun 2022 16:34

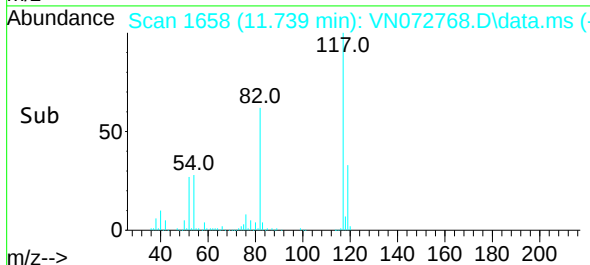
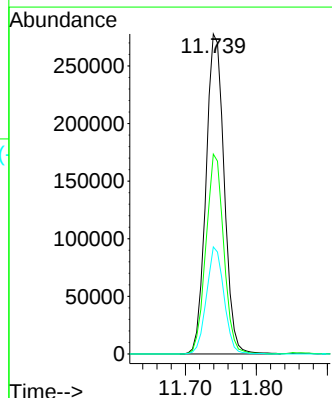
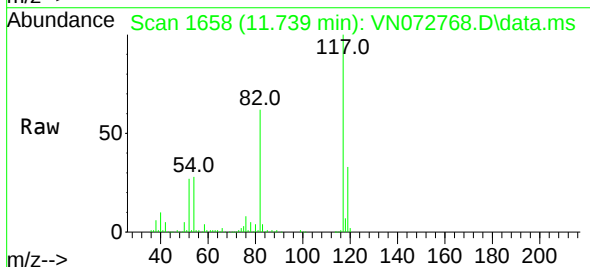
Instrument :
MSVOA_N
ClientSampleId :
52322-D

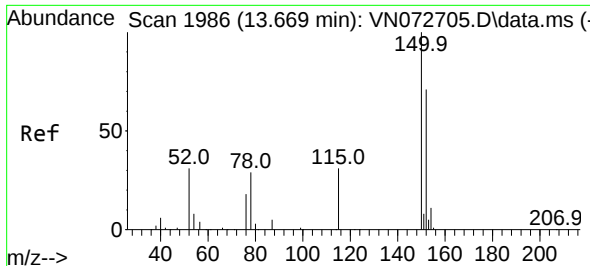
Tgt Ion: 95 Resp: 350202
Ion Ratio Lower Upper
95 100
174 61.6 0.0 167.6
176 60.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.739 min Scan# 1658
Delta R.T. -0.006 min
Lab File: VN072768.D
Acq: 10 Jun 2022 16:34

Tgt Ion: 117 Resp: 495159
Ion Ratio Lower Upper
117 100
82 62.5 44.2 66.2
119 33.4 25.4 38.0

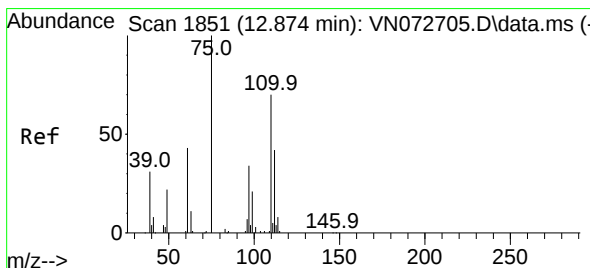
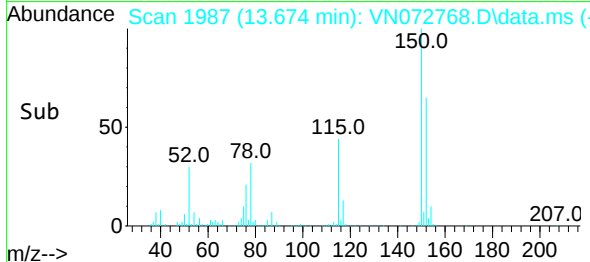
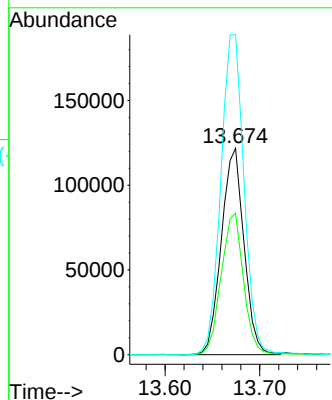
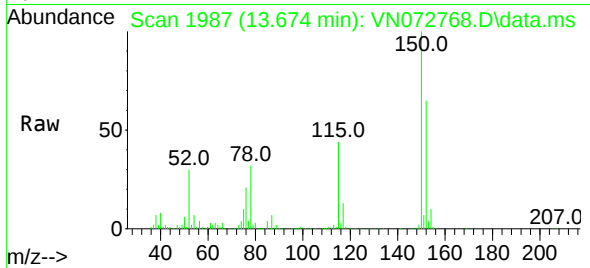




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.674 min Scan# 1987
Delta R.T. 0.005 min
Lab File: VN072768.D
Acq: 10 Jun 2022 16:34

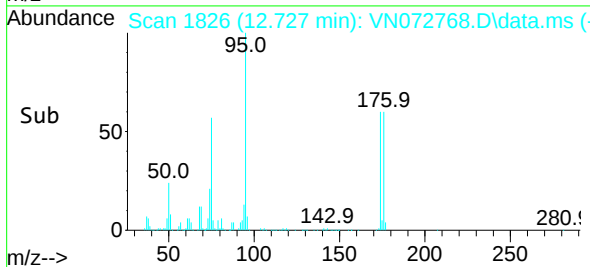
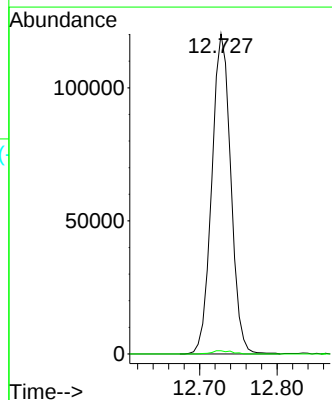
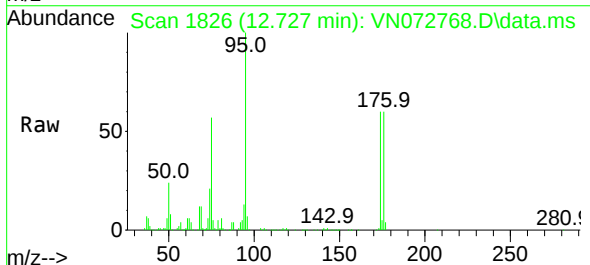
Instrument :
MSVOA_N
ClientSampleId :
52322-D

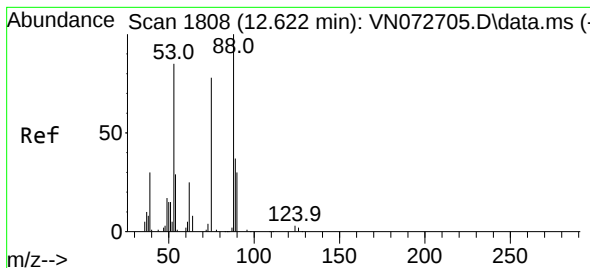
Tgt Ion:152 Resp: 202879
Ion Ratio Lower Upper
152 100
115 67.7 28.9 86.7
150 158.7 0.0 356.2



#76
1,2,3-Trichloropropane
Concen: 31.287 ug/l
RT: 12.727 min Scan# 1826
Delta R.T. -0.147 min
Lab File: VN072768.D
Acq: 10 Jun 2022 16:34

Tgt Ion: 75 Resp: 204829
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#

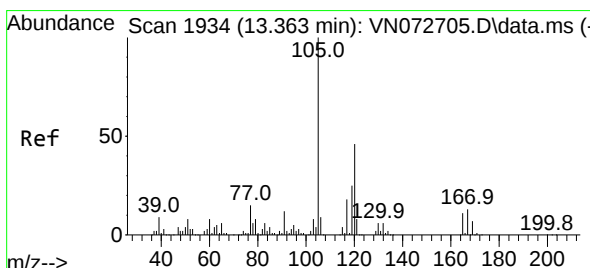
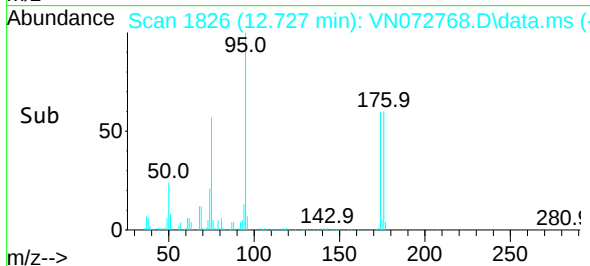
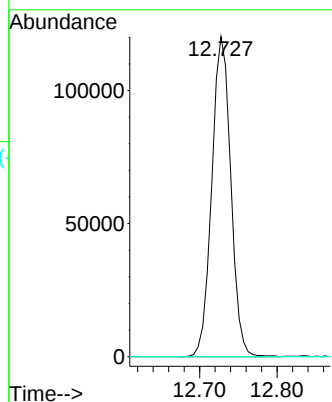
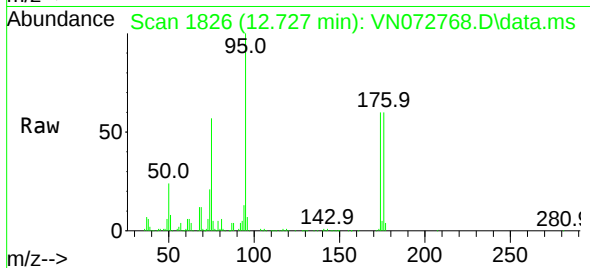




#81
trans-1,4-Dichloro-2-butene
Concen: 81.824 ug/l
RT: 12.727 min Scan# 1808
Delta R.T. 0.105 min
Lab File: VN072768.D
Acq: 10 Jun 2022 16:34

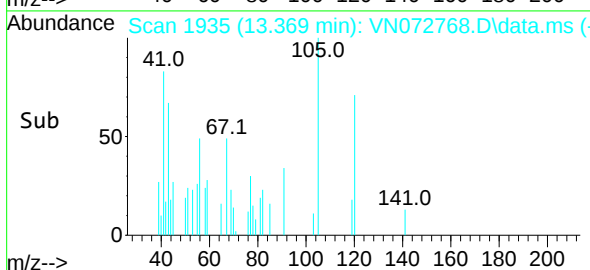
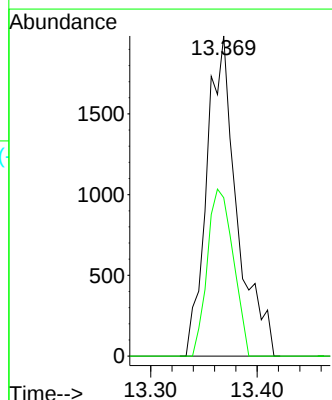
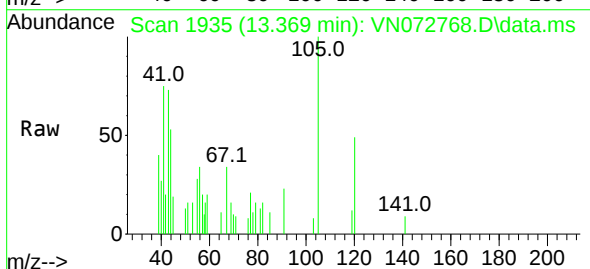
Instrument :
MSVOA_N
ClientSampleId :
52322-D

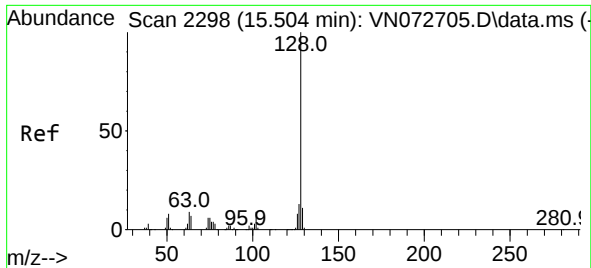
Tgt Ion: 75 Resp: 204829
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#84
1,2,4-Trimethylbenzene
Concen: 0.236 ug/l
RT: 13.369 min Scan# 1935
Delta R.T. 0.006 min
Lab File: VN072768.D
Acq: 10 Jun 2022 16:34

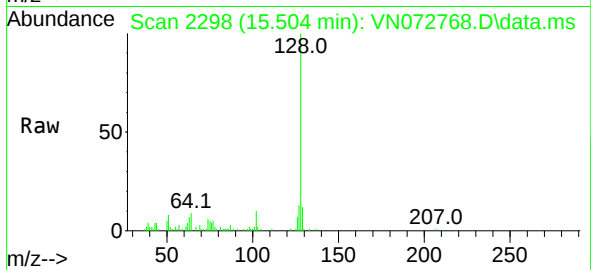
Tgt Ion: 105 Resp: 3900
Ion Ratio Lower Upper
105 100
120 44.8 23.3 69.8





#95
Naphthalene
Concen: 4.229 ug/l
RT: 15.504 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN072768.D
Acq: 10 Jun 2022 16:34

Instrument :
MSVOA_N
ClientSampleId :
52322-D



Tgt Ion:128 Resp: 56367
Ion Ratio Lower Upper
128 100
127 14.2 10.3 15.5
129 13.1 8.6 13.0#

