

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070822\
 Data File : VN073404.D
 Acq On : 08 Jul 2022 19:46
 Operator : JC\MD
 Sample : N3642-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

Quant Time: Jul 09 05:30:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062822W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 29 01:54:03 2022
 Response via : Initial Calibration

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

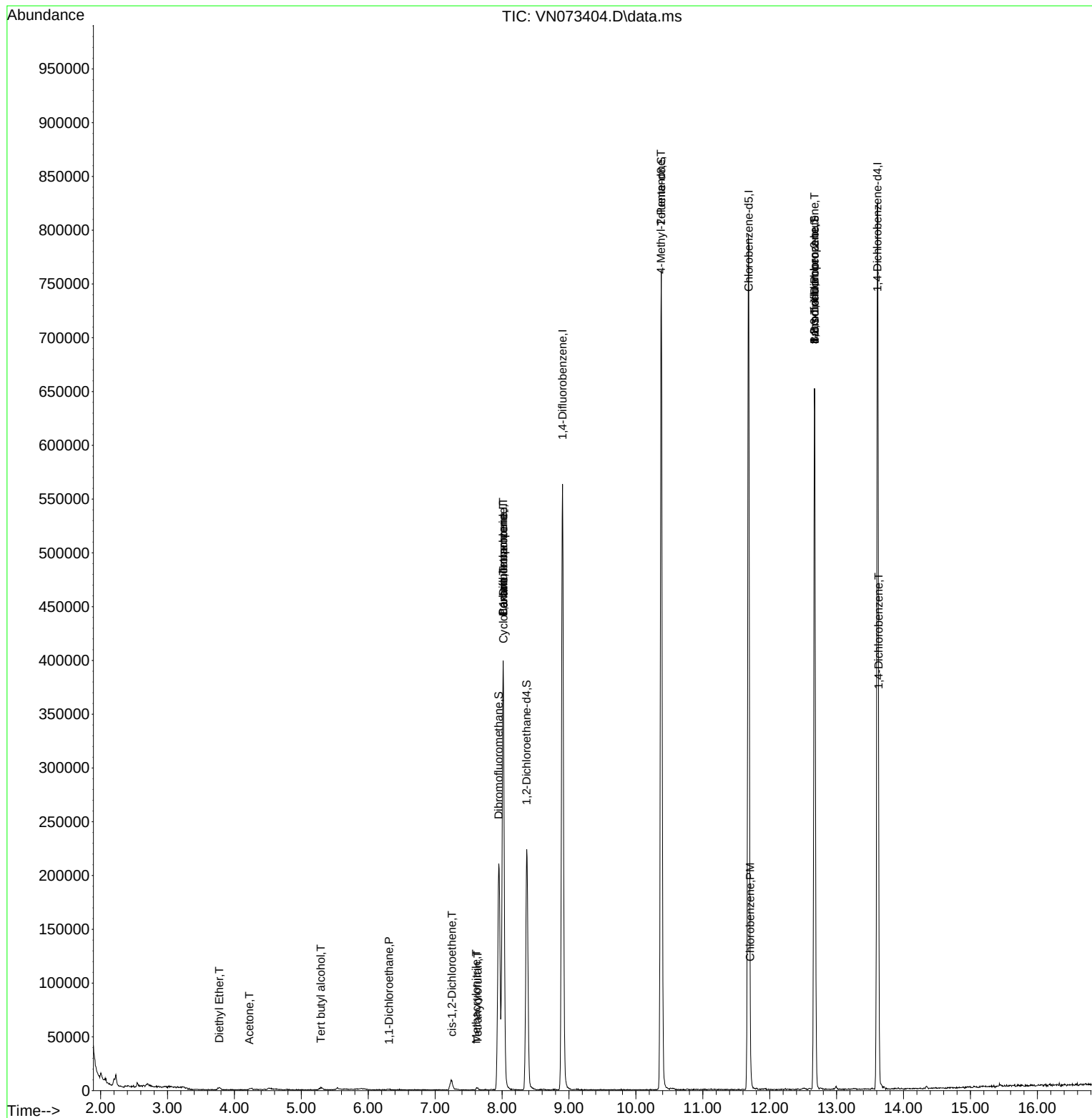
Internal Standards						
1) Pentafluorobenzene	8.016	168	289661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	495055	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	449624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	224881	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	190399	45.533	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	91.060%		
35) Dibromofluoromethane	7.951	113	159524	48.433	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	96.860%		
50) Toluene-d8	10.380	98	518602	44.333	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	88.660%		
62) 4-Bromofluorobenzene	12.669	95	227530	50.613	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	101.220%		
Target Compounds						
					Qvalue	
8) Diethyl Ether	3.775	74	1356	0.552	ug/l	70
11) Tert butyl alcohol	5.293	59	2421	2.390	ug/l #	82
16) Acetone	4.222	43	1047	0.446	ug/l #	42
24) 1,1-Dichloroethane	6.310	63	1393	0.201	ug/l #	82
27) cis-1,2-Dichloroethene	7.251	96	1577	0.365	ug/l	81
29) Tetrahydrofuran	7.634	42	1650	0.645	ug/l #	77
31) Cyclohexane	8.022	56	7393	1.080	ug/l #	24
36) 1,1-Dichloropropene	8.016	75	24741	4.882	ug/l #	49
38) Carbon Tetrachloride	8.016	117	29383	5.606	ug/l #	16
41) Methacrylonitrile	7.616	41	1260	0.339	ug/l #	28
51) 4-Methyl-2-Pentanone	10.375	43	2732	0.391	ug/l #	1
65) Chlorobenzene	11.710	112	5165	0.508	ug/l	91
71) Bromoform	12.669	173	1536	0.561	ug/l #	1
76) 1,2,3-Trichloropropane	12.669	75	119621	20.343	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	119621	55.790	ug/l #	10
88) 1,4-Dichlorobenzene	13.627	146	1996	0.246	ug/l #	71

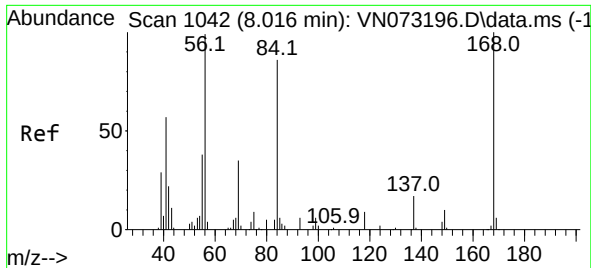
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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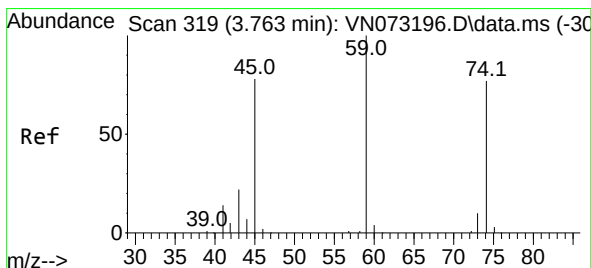
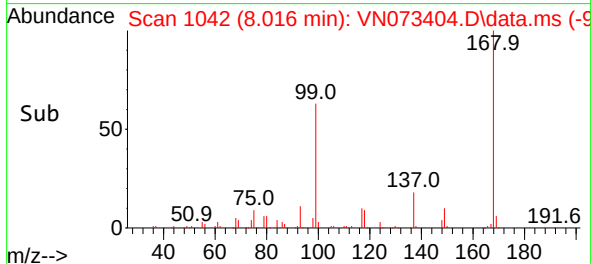
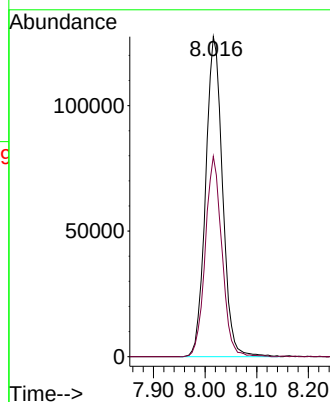
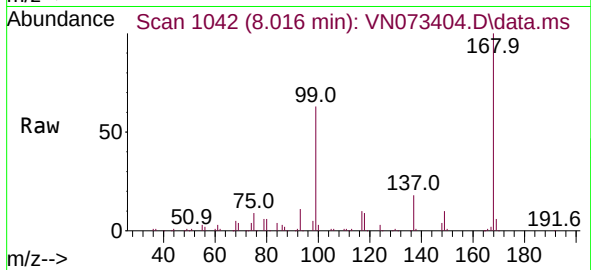




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073404.D
Acq: 08 Jul 2022 19:46

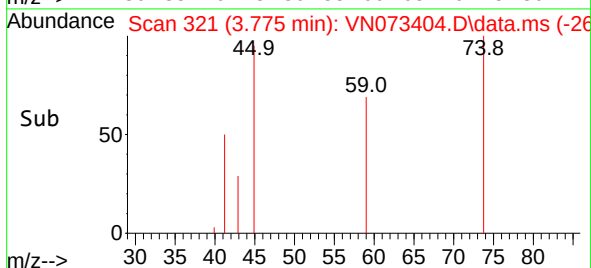
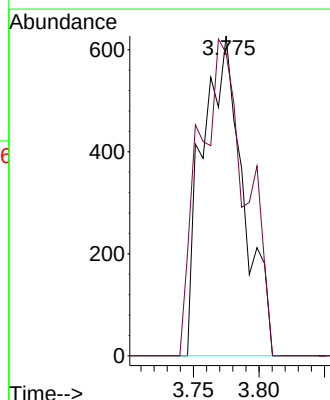
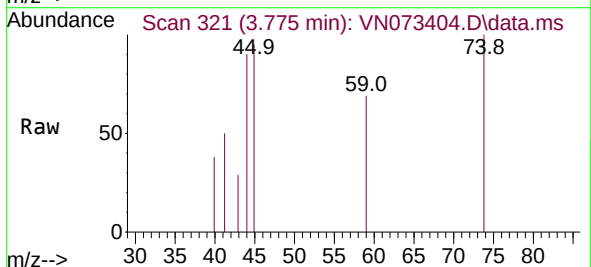
Instrument :
MSVOA_N
ClientSampleId :
MW-2

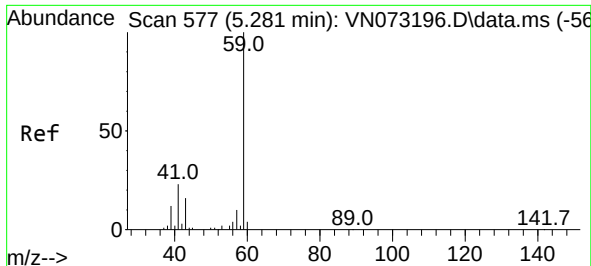
Tgt Ion:168 Resp: 289661
Ion Ratio Lower Upper
168 100
99 62.6 42.3 63.5



#8
Diethyl Ether
Concen: 0.552 ug/l
RT: 3.775 min Scan# 321
Delta R.T. 0.012 min
Lab File: VN073404.D
Acq: 08 Jul 2022 19:46

Tgt Ion: 74 Resp: 1356
Ion Ratio Lower Upper
74 100
45 112.9 42.9 128.5

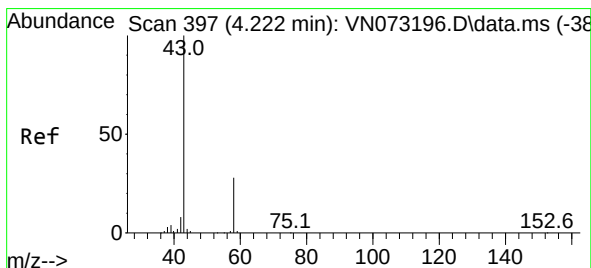
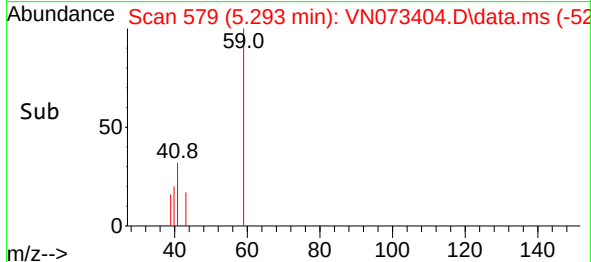
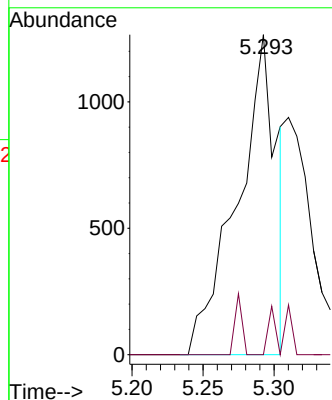
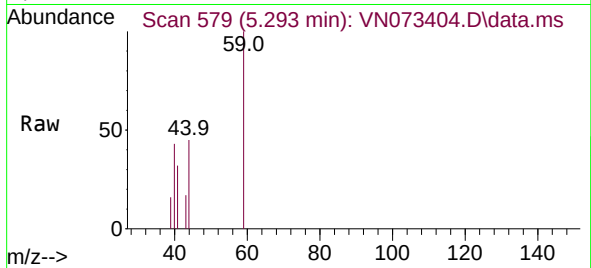




#11
Tert butyl alcohol
Concen: 2.390 ug/l
RT: 5.293 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN073404.D
Acq: 08 Jul 2022 19:46

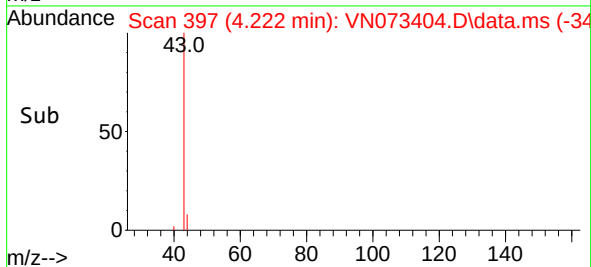
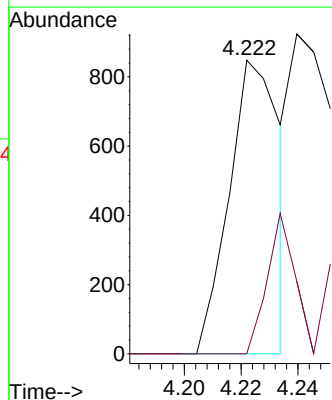
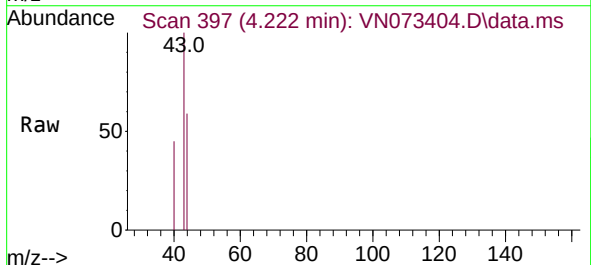
Instrument :
MSVOA_N
ClientSampleId :
MW-2

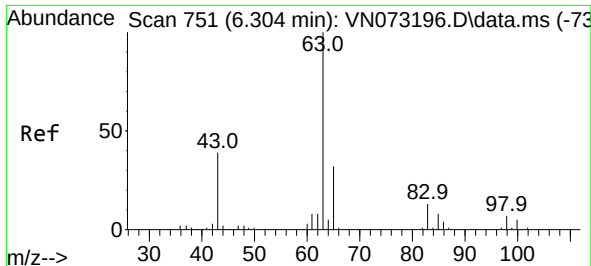
Tgt Ion: 59 Resp: 2421
Ion Ratio Lower Upper
59 100
57 3.5 8.3 12.5#



#16
Acetone
Concen: 0.446 ug/l
RT: 4.222 min Scan# 397
Delta R.T. -0.000 min
Lab File: VN073404.D
Acq: 08 Jul 2022 19:46

Tgt Ion: 43 Resp: 1047
Ion Ratio Lower Upper
43 100
58 0.0 26.0 39.0#

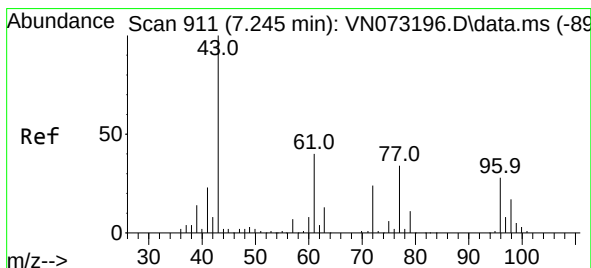
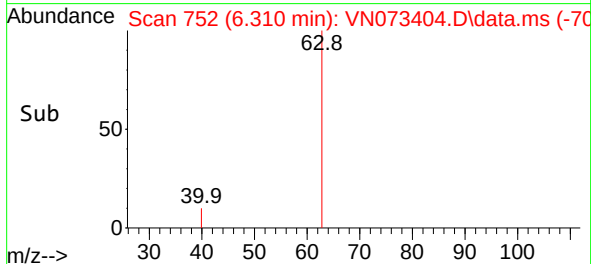
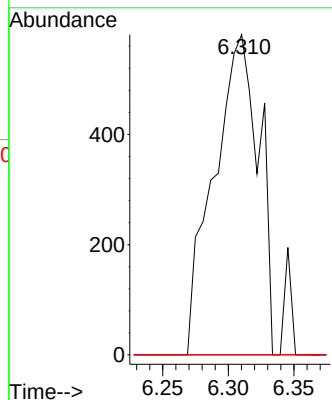
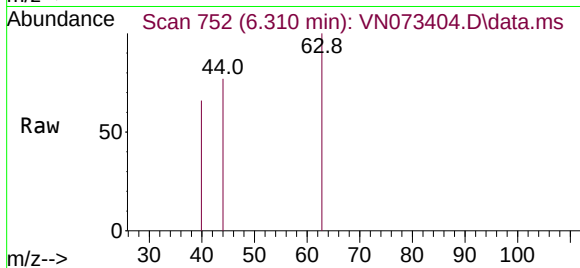




#24
 1,1-Dichloroethane
 Concen: 0.201 ug/l
 RT: 6.310 min Scan# 752
 Delta R.T. 0.006 min
 Lab File: VN073404.D
 Acq: 08 Jul 2022 19:46

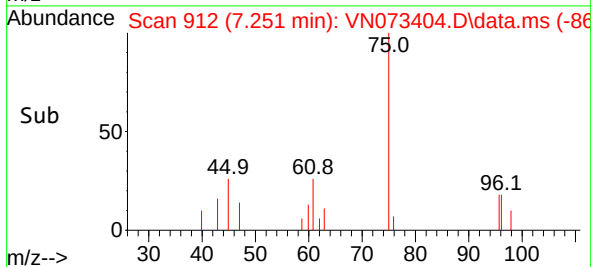
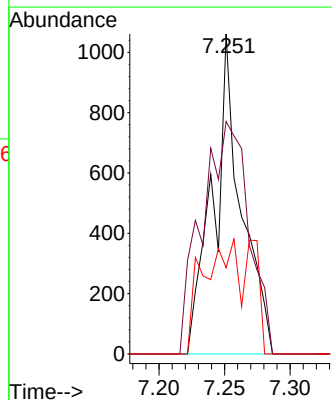
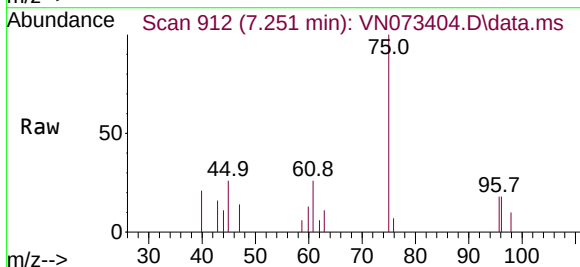
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-2

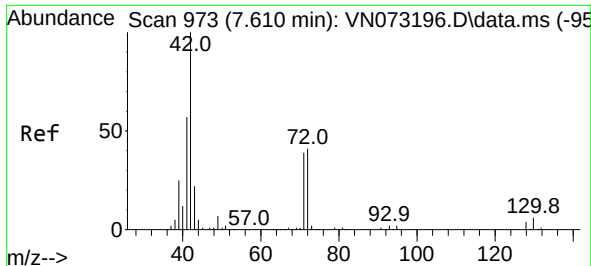
Tgt Ion: 63 Resp: 1393
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.5 10.4#
 100 0.0 2.3 6.8#



#27
 cis-1,2-Dichloroethene
 Concen: 0.365 ug/l
 RT: 7.251 min Scan# 912
 Delta R.T. 0.006 min
 Lab File: VN073404.D
 Acq: 08 Jul 2022 19:46

Tgt Ion: 96 Resp: 1577
 Ion Ratio Lower Upper
 96 100
 61 121.0 0.0 280.6
 98 44.7 0.0 128.4





#29

Tetrahydrofuran

Concen: 0.645 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.024 min

Lab File: VN073404.D

Acq: 08 Jul 2022 19:46

Instrument :

MSVOA_N

ClientSampleId :

MW-2

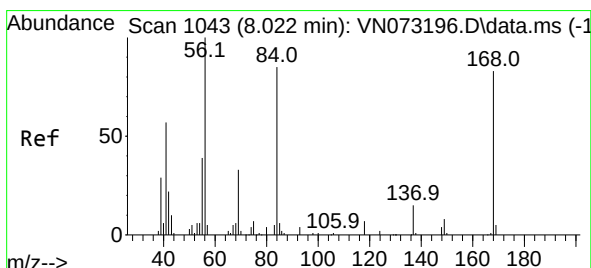
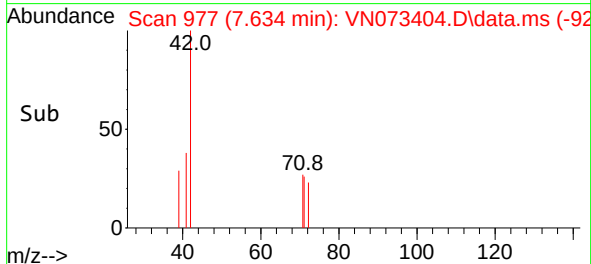
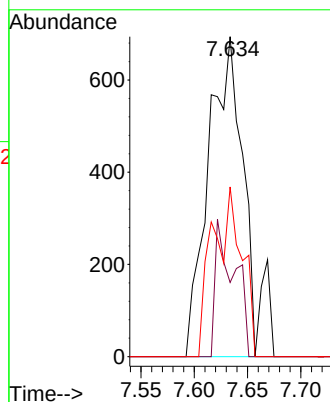
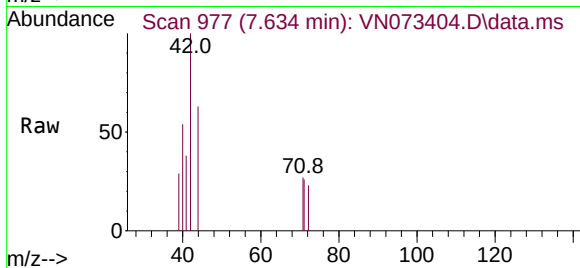
Tgt Ion: 42 Resp: 1650

Ion Ratio Lower Upper

42 100

72 22.5 39.7 59.5#

71 42.7 36.6 55.0



#31

Cyclohexane

Concen: 1.080 ug/l

RT: 8.022 min Scan# 1043

Delta R.T. -0.000 min

Lab File: VN073404.D

Acq: 08 Jul 2022 19:46

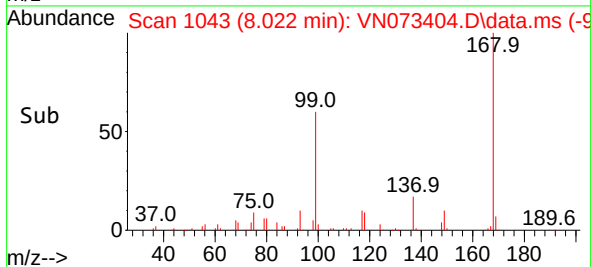
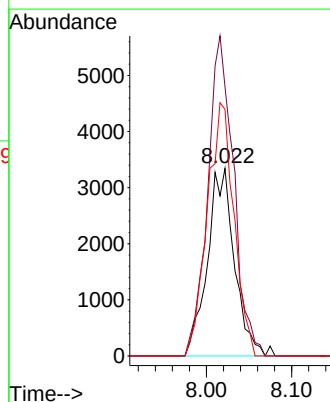
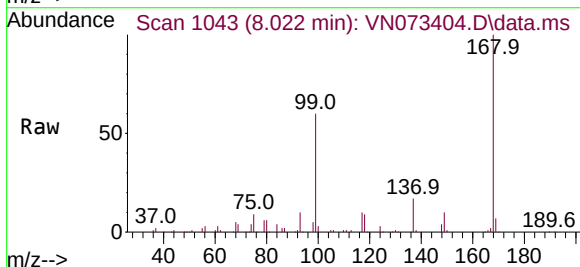
Tgt Ion: 56 Resp: 7393

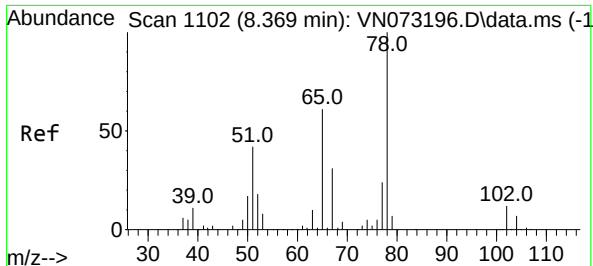
Ion Ratio Lower Upper

56 100

69 143.4 27.8 41.8#

84 131.4 76.9 115.3#

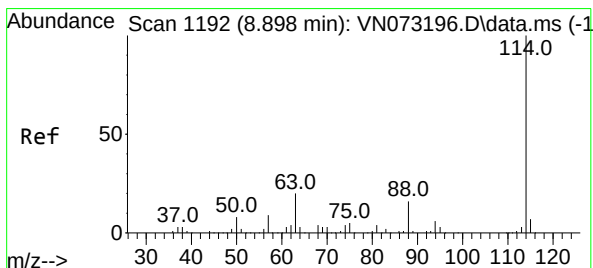
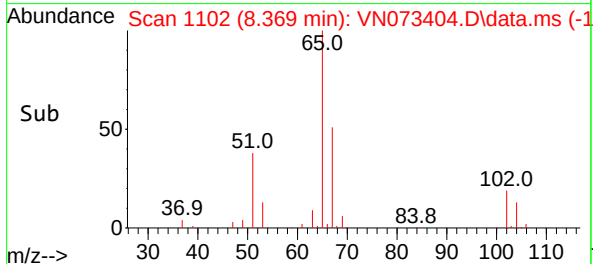
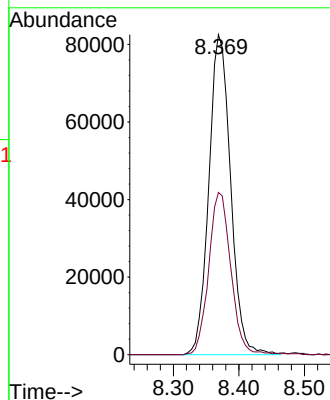
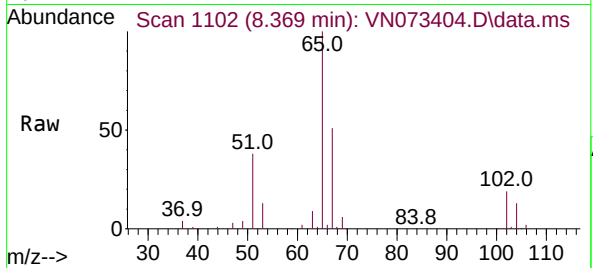




#33
1,2-Dichloroethane-d4
Concen: 45.533 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073404.D
Acq: 08 Jul 2022 19:46

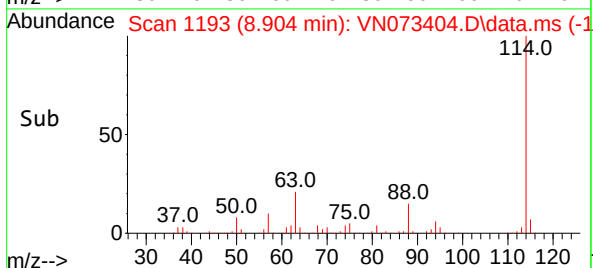
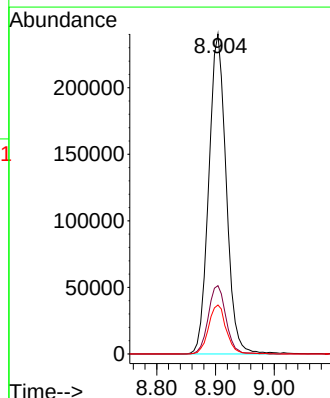
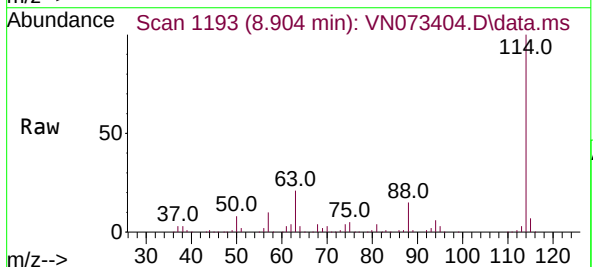
Instrument :
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MW-2

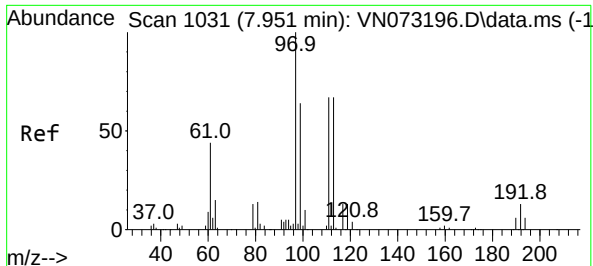
Tgt Ion: 65 Resp: 190399
Ion Ratio Lower Upper
65 100
67 51.7 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.006 min
Lab File: VN073404.D
Acq: 08 Jul 2022 19:46

Tgt Ion: 114 Resp: 495055
Ion Ratio Lower Upper
114 100
63 21.3 0.0 40.0
88 15.3 0.0 32.6

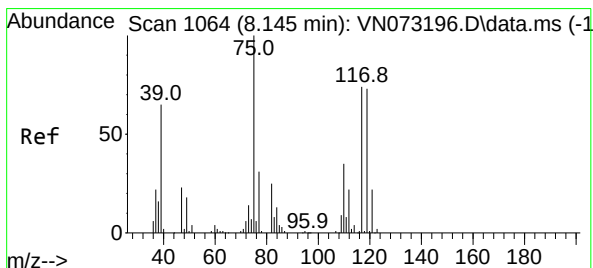
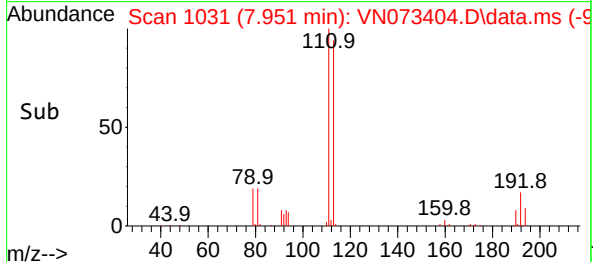
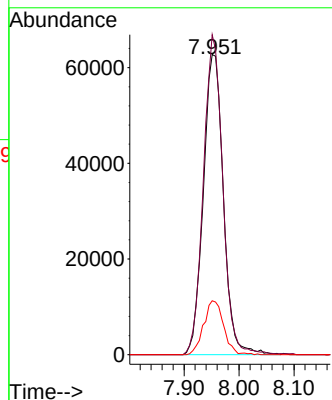
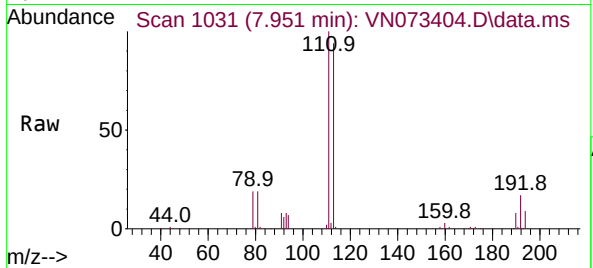




#35
Dibromofluoromethane
Concen: 48.433 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN073404.D
Acq: 08 Jul 2022 19:46

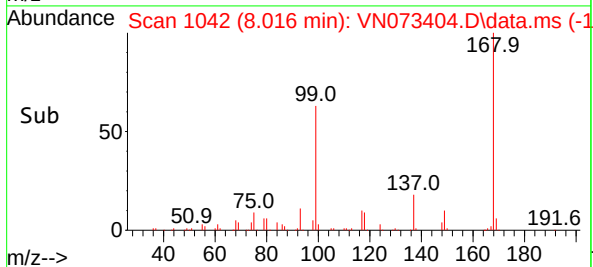
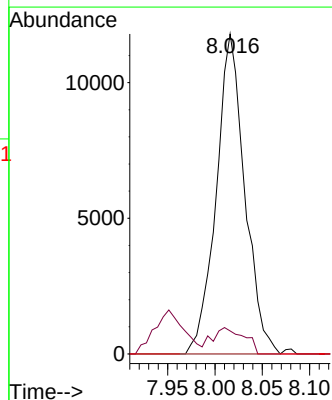
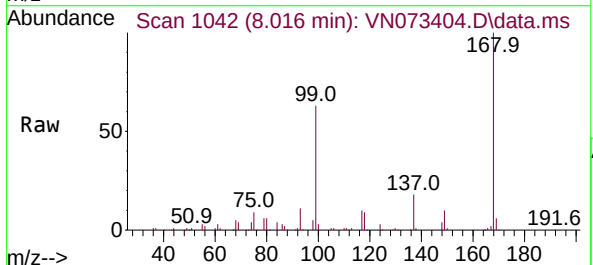
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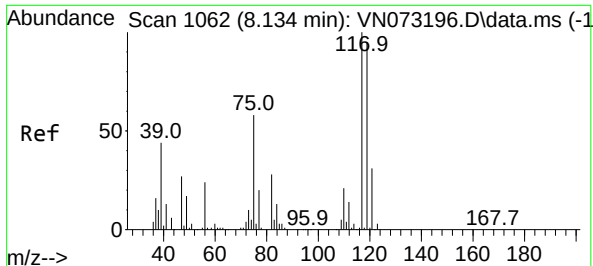
Tgt Ion:113 Resp: 159524
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.0
192 17.8 17.0 25.6



#36
1,1-Dichloropropene
Concen: 4.882 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.129 min
Lab File: VN073404.D
Acq: 08 Jul 2022 19:46

Tgt Ion: 75 Resp: 24741
Ion Ratio Lower Upper
75 100
110 9.2 18.3 54.8#
77 0.0 25.1 37.7#

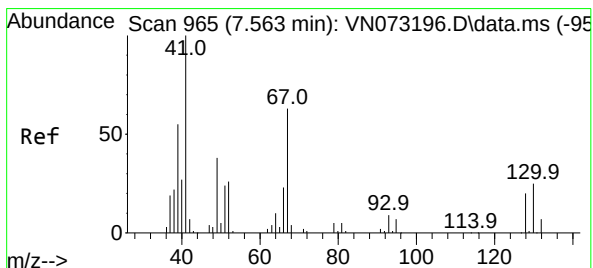
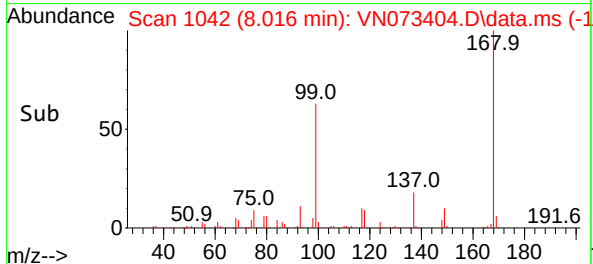
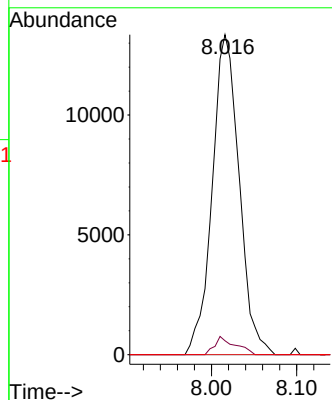
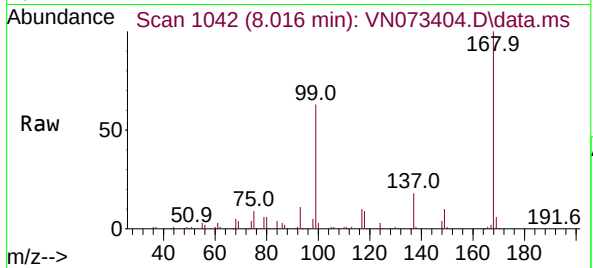




#38
Carbon Tetrachloride
Concen: 5.606 ug/l
RT: 8.016 min Scan# 1062
Delta R.T. -0.118 min
Lab File: VN073404.D
Acq: 08 Jul 2022 19:46

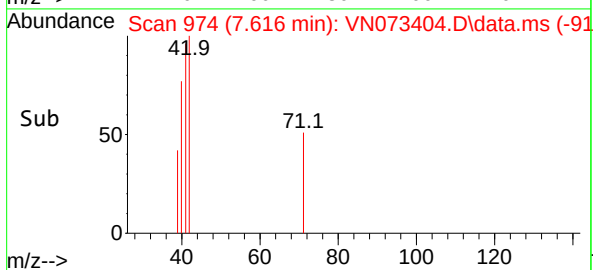
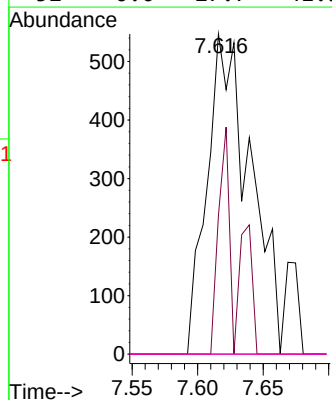
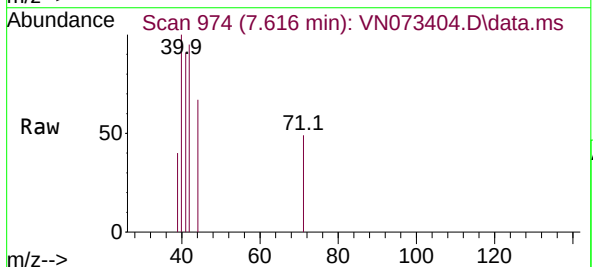
Instrument :
MSVOA_N
ClientSampleId :
MW-2

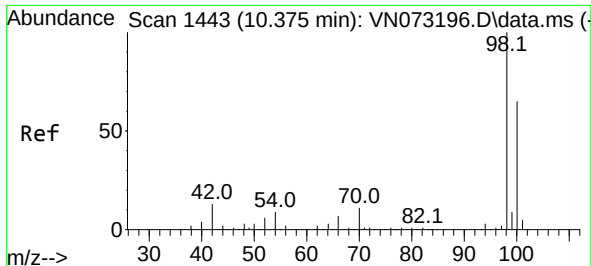
Tgt Ion:117 Resp: 29383
Ion Ratio Lower Upper
117 100
119 4.4 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.339 ug/l
RT: 7.616 min Scan# 974
Delta R.T. 0.053 min
Lab File: VN073404.D
Acq: 08 Jul 2022 19:46

Tgt Ion: 41 Resp: 1260
Ion Ratio Lower Upper
41 100
39 29.4 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#

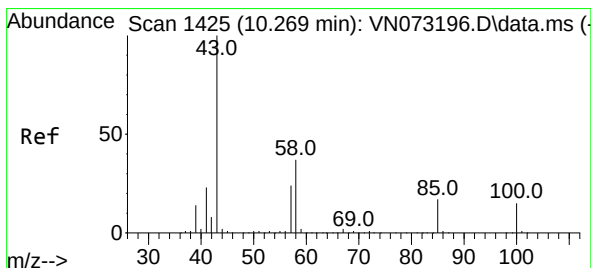
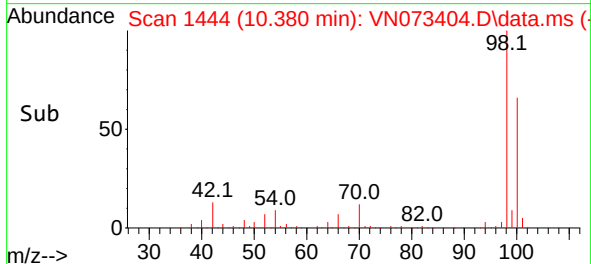
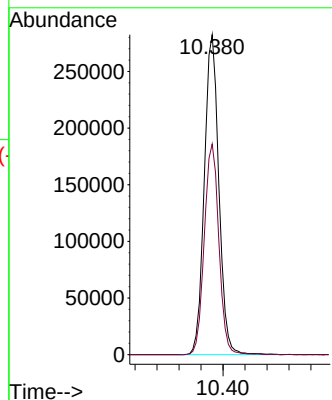
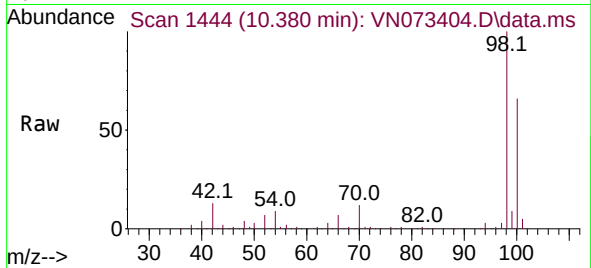




#50
Toluene-d8
Concen: 44.333 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.005 min
Lab File: VN073404.D
Acq: 08 Jul 2022 19:46

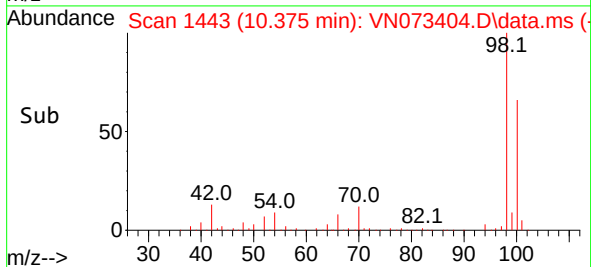
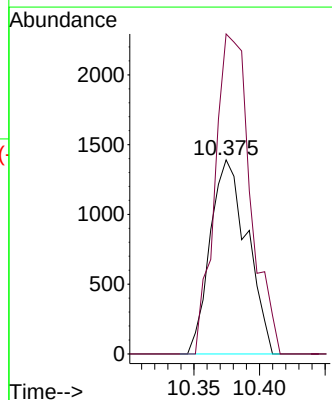
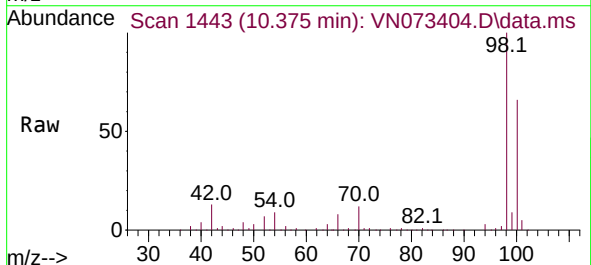
Instrument :
MSVOA_N
ClientSampleId :
MW-2

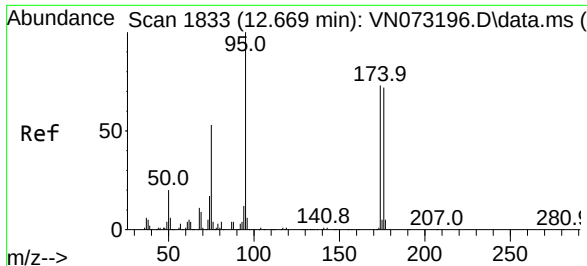
Tgt Ion: 98 Resp: 518602
Ion Ratio Lower Upper
98 100
100 66.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.391 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.106 min
Lab File: VN073404.D
Acq: 08 Jul 2022 19:46

Tgt Ion: 43 Resp: 2732
Ion Ratio Lower Upper
43 100
58 157.7 34.1 51.1#

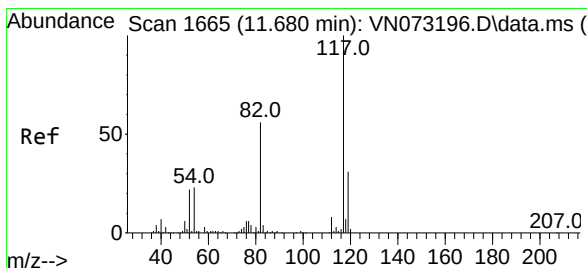
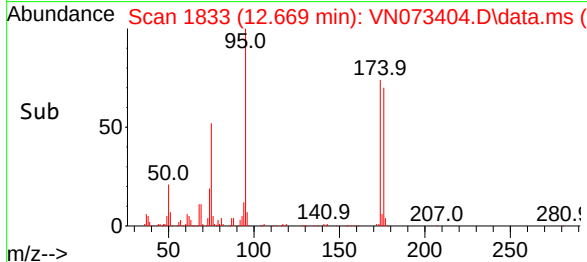
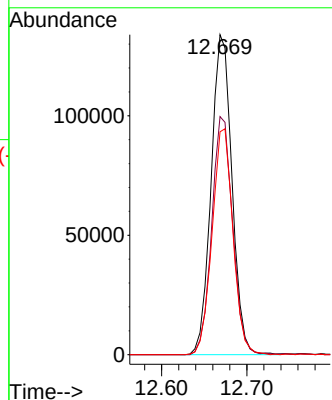
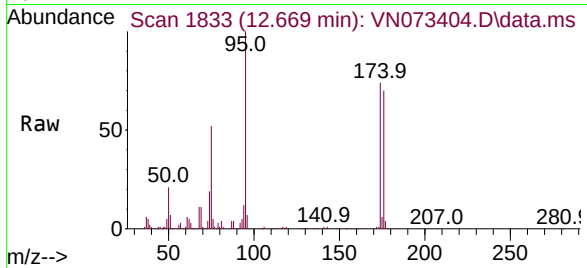




#62
4-Bromofluorobenzene
Concen: 50.613 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN073404.D
Acq: 08 Jul 2022 19:46

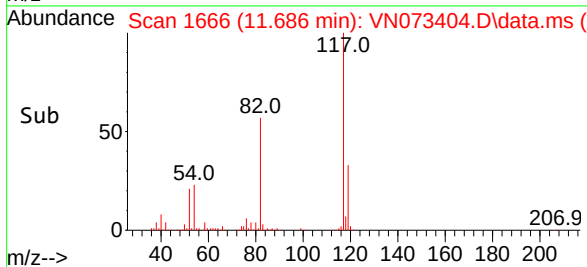
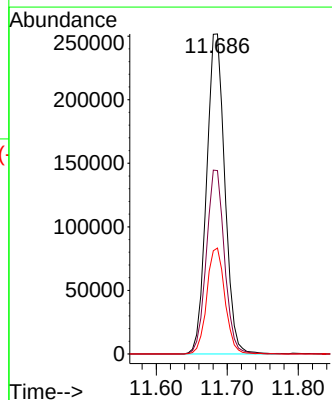
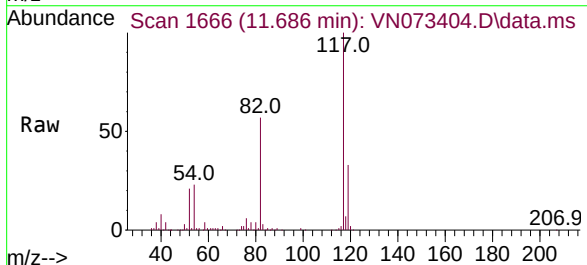
Instrument :
MSVOA_N
ClientSampleId :
MW-2

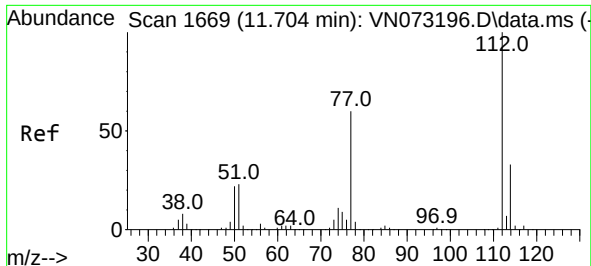
Tgt Ion: 95 Resp: 227530
Ion Ratio Lower Upper
95 100
174 74.7 0.0 167.6
176 70.7 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.006 min
Lab File: VN073404.D
Acq: 08 Jul 2022 19:46

Tgt Ion: 117 Resp: 449624
Ion Ratio Lower Upper
117 100
82 57.3 44.2 66.2
119 33.1 25.4 38.0

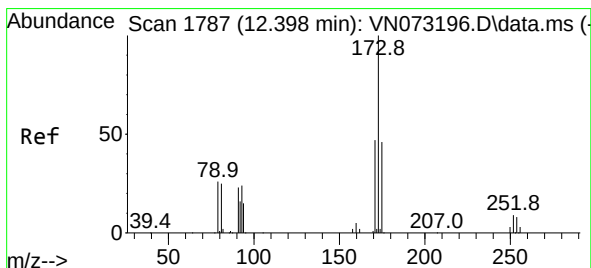
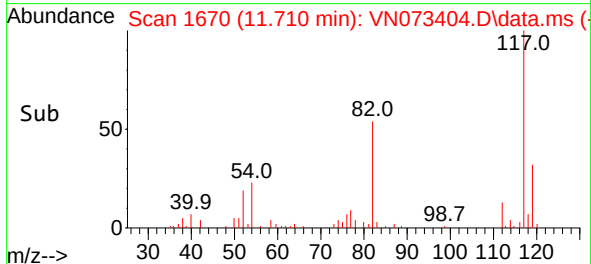
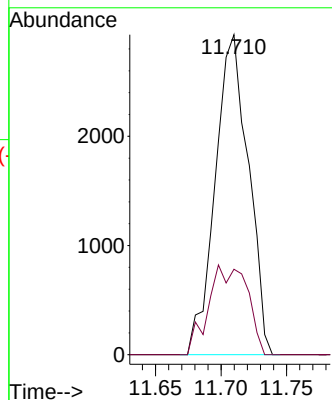
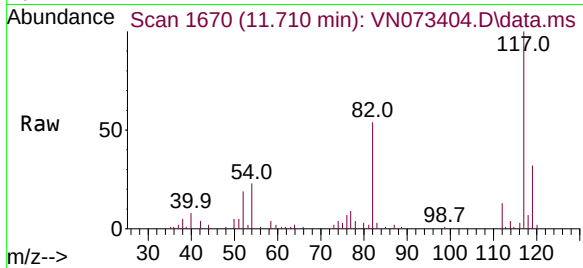




#65
Chlorobenzene
Concen: 0.508 ug/l
RT: 11.710 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN073404.D
Acq: 08 Jul 2022 19:46

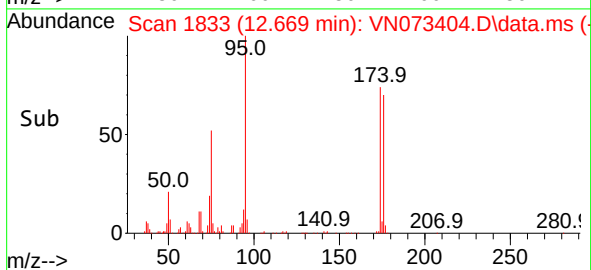
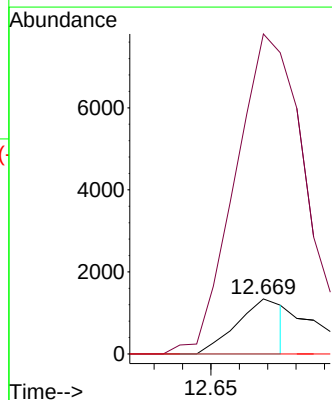
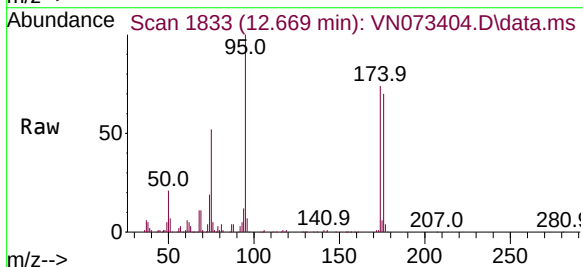
Instrument :
MSVOA_N
ClientSampleId :
MW-2

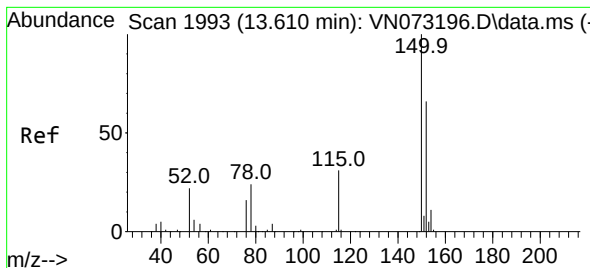
Tgt Ion:112 Resp: 5165
Ion Ratio Lower Upper
112 100
114 26.7 25.4 38.2



#71
Bromoform
Concen: 0.561 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073404.D
Acq: 08 Jul 2022 19:46

Tgt Ion:173 Resp: 1536
Ion Ratio Lower Upper
173 100
175 615.7 24.6 73.6#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.610 min Scan# 1993

Delta R.T. -0.000 min

Lab File: VN073404.D

Acq: 08 Jul 2022 19:46

Instrument :

MSVOA_N

ClientSampleId :

MW-2

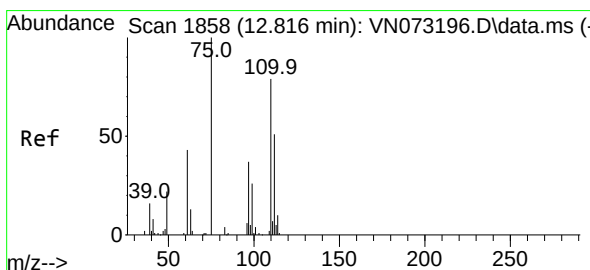
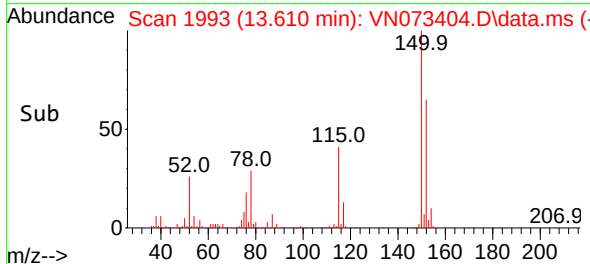
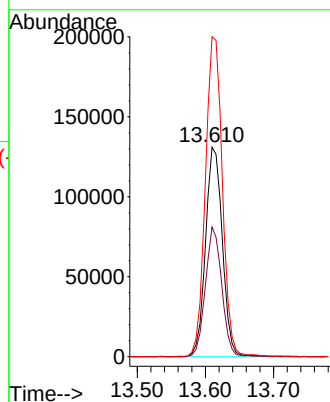
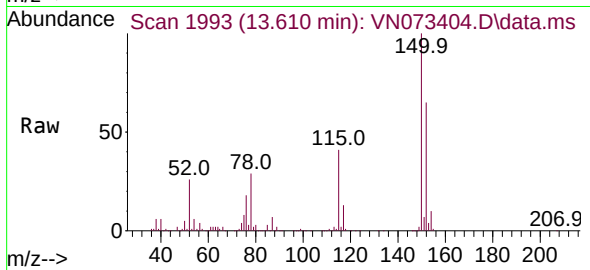
Tgt Ion:152 Resp: 224881

Ion Ratio Lower Upper

152 100

115 60.3 28.9 86.7

150 154.3 0.0 356.2



#76

1,2,3-Trichloropropane

Concen: 20.343 ug/l

RT: 12.669 min Scan# 1833

Delta R.T. -0.148 min

Lab File: VN073404.D

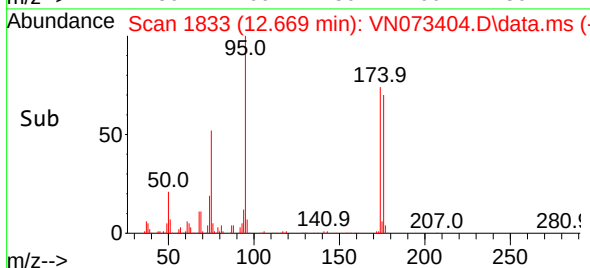
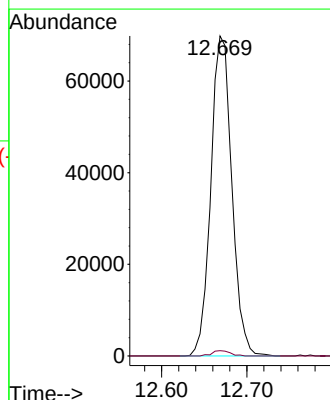
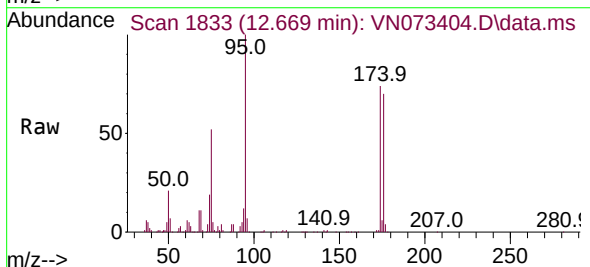
Acq: 08 Jul 2022 19:46

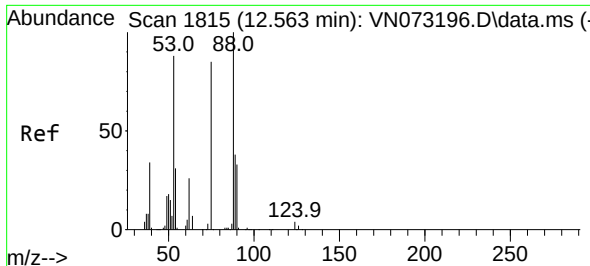
Tgt Ion: 75 Resp: 119621

Ion Ratio Lower Upper

75 100

77 1.4 98.5 295.5#

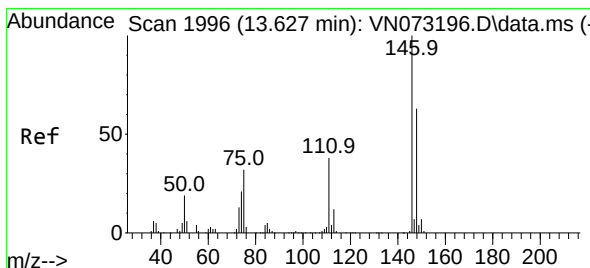
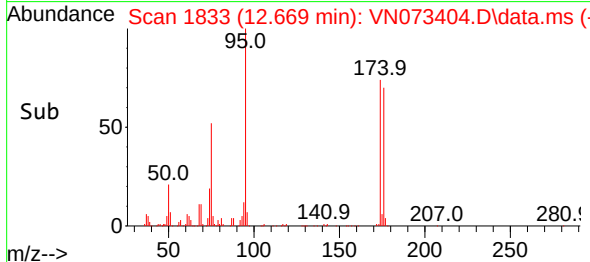
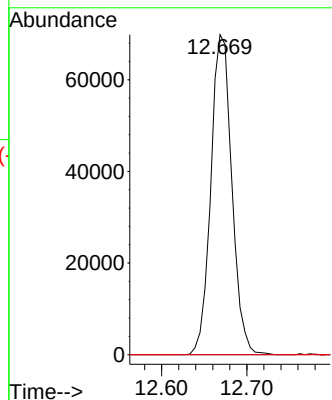
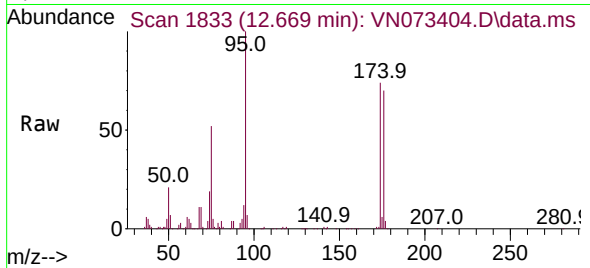




#81
trans-1,4-Dichloro-2-butene
Concen: 55.790 ug/l
RT: 12.669 min Scan# 1815
Delta R.T. 0.105 min
Lab File: VN073404.D
Acq: 08 Jul 2022 19:46

Instrument :
MSVOA_N
ClientSampleId :
MW-2

Tgt Ion: 75 Resp: 119621
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#88
1,4-Dichlorobenzene
Concen: 0.246 ug/l
RT: 13.627 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN073404.D
Acq: 08 Jul 2022 19:46

Tgt Ion: 146 Resp: 1996
Ion Ratio Lower Upper
146 100
111 0.0 19.1 57.1#
148 55.9 31.4 94.3

