

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080222\
 Data File : VN073690.D
 Acq On : 02 Aug 2022 16:25
 Operator : JC\MD
 Sample : N3971-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-24

Quant Time: Aug 03 02:08:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N072822W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 29 02:20:25 2022
 Response via : Initial Calibration

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

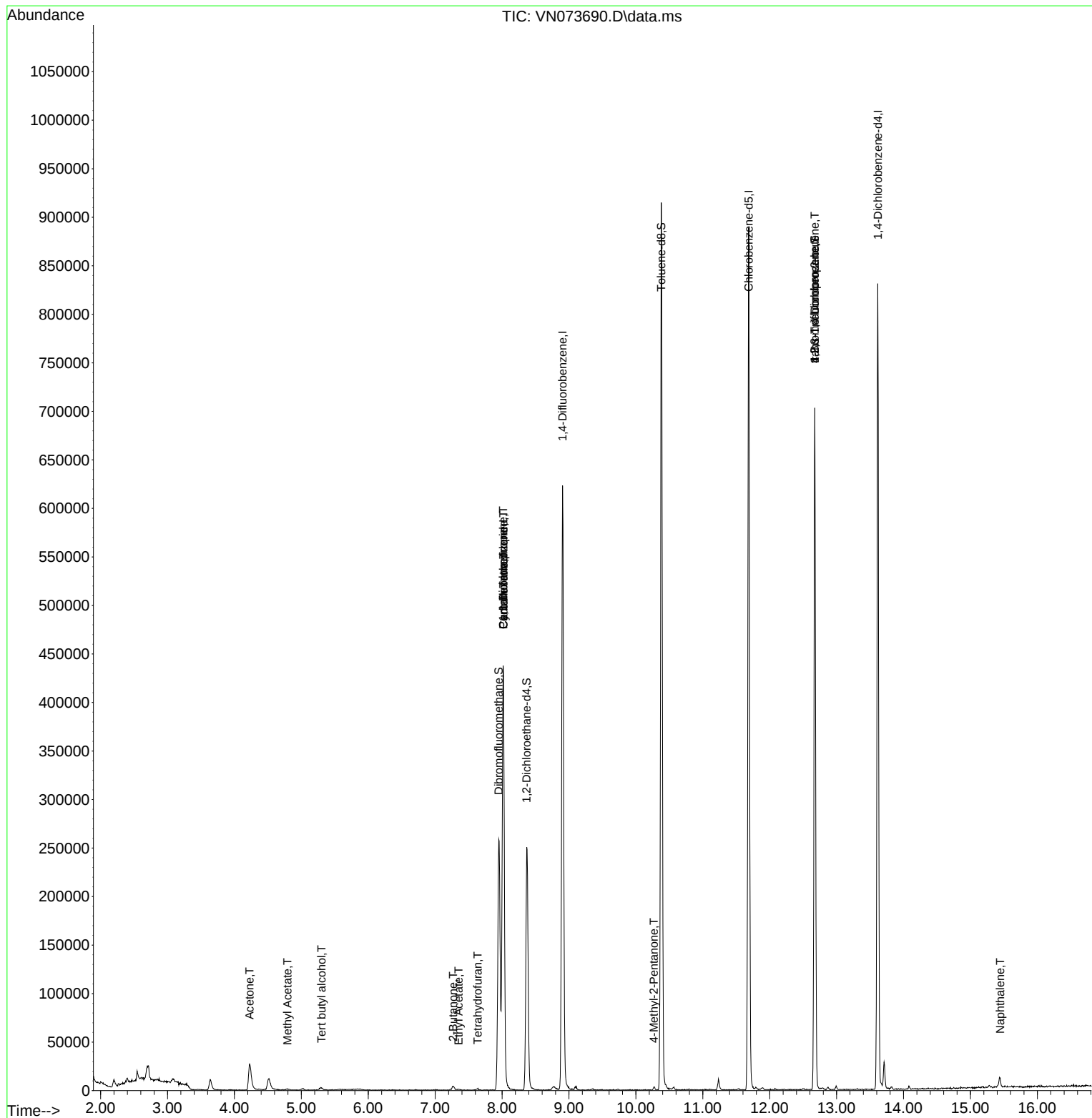
Internal Standards						
1) Pentafluorobenzene	8.022	168	352978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	565203	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	523598	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	232997	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	209525	48.709	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	97.420%	
35) Dibromofluoromethane	7.951	113	192298	54.182	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	108.360%	
50) Toluene-d8	10.380	98	638956	45.750	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	91.500%	
62) 4-Bromofluorobenzene	12.674	95	226261	48.730	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	97.460%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	1153	Below Cal		90
6) Chloroethane	3.210	64	560	Below Cal	#	42
11) Tert butyl alcohol	5.304	59	4042	4.357	ug/l #	81
16) Acetone	4.228	43	51475	22.279	ug/l	90
18) Methyl Acetate	4.792	43	2861	0.498	ug/l #	53
20) Methylene Chloride	5.022	84	1153	Below Cal	#	69
25) 2-Butanone	7.269	43	6761	1.884	ug/l #	86
29) Tetrahydrofuran	7.633	42	1178	0.519	ug/l #	43
31) Cyclohexane	8.022	56	7253	1.133	ug/l #	22
36) 1,1-Dichloropropene	8.016	75	25661	5.073	ug/l #	49
37) Ethyl Acetate	7.351	43	1608	0.241	ug/l #	72
38) Carbon Tetrachloride	8.022	117	32771	6.379	ug/l #	18
51) 4-Methyl-2-Pentanone	10.269	43	2436	0.377	ug/l #	81
76) 1,2,3-Trichloropropane	12.674	75	116690	25.777	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	116690	64.903	ug/l #	10
95) Naphthalene	15.445	128	11054	0.835	ug/l	98

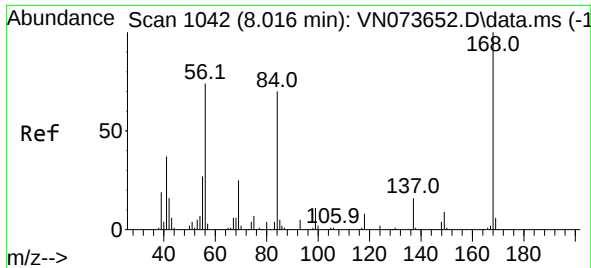
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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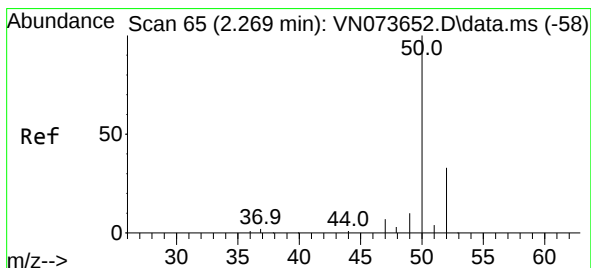
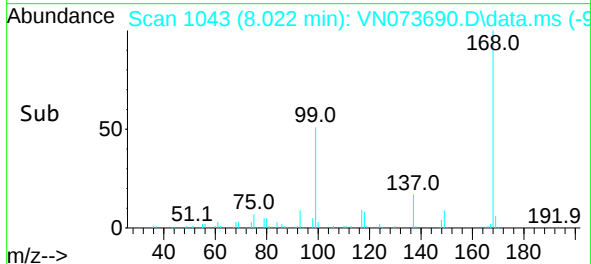
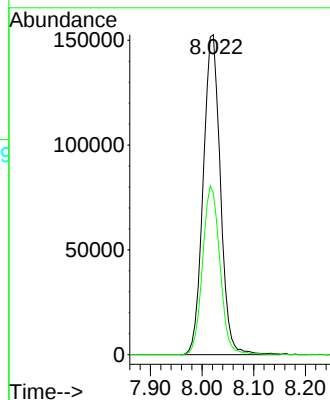
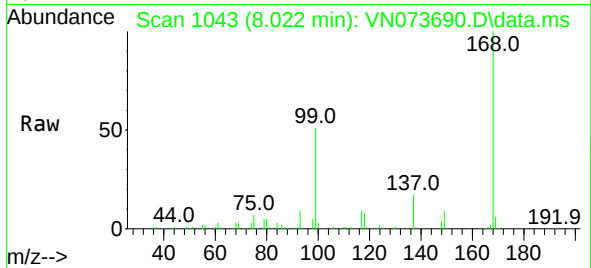




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN073690.D
Acq: 02 Aug 2022 16:25

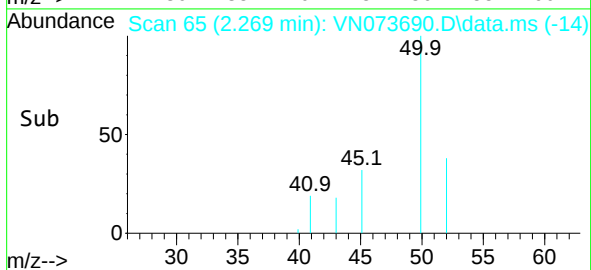
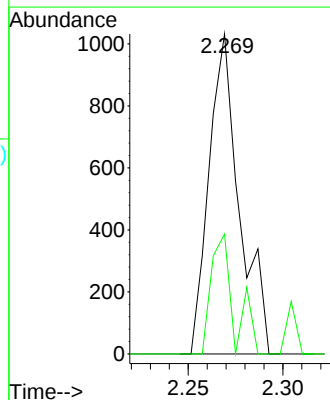
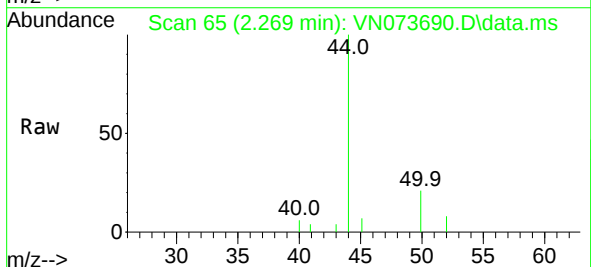
Instrument :
MSVOA_N
ClientSampleId :
MW-24

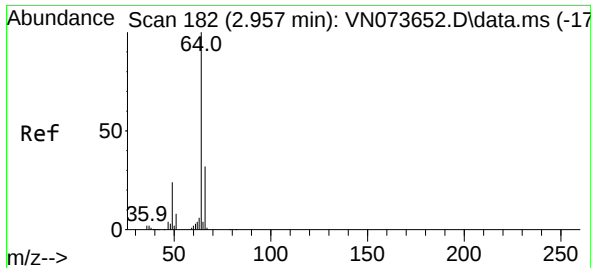
Tgt Ion:168 Resp: 352978
Ion Ratio Lower Upper
168 100
99 50.6 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073690.D
Acq: 02 Aug 2022 16:25

Tgt Ion: 50 Resp: 1153
Ion Ratio Lower Upper
50 100
52 37.5 25.7 38.5

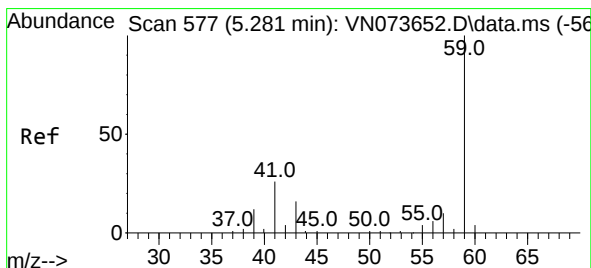
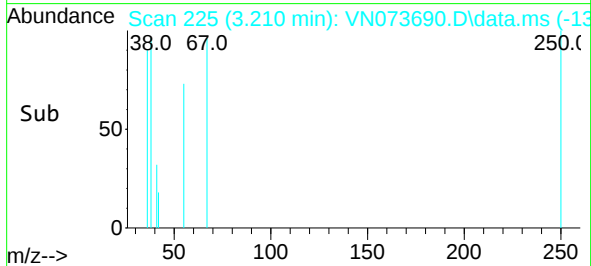
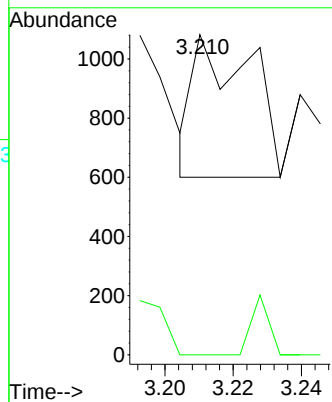
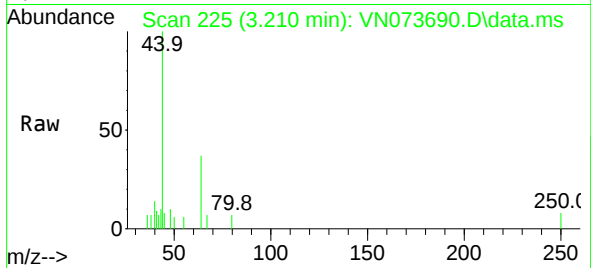




#6
Chloroethane
Concen: Below Cal
RT: 3.210 min Scan# 21
Delta R.T. 0.253 min
Lab File: VN073690.D
Acq: 02 Aug 2022 16:25

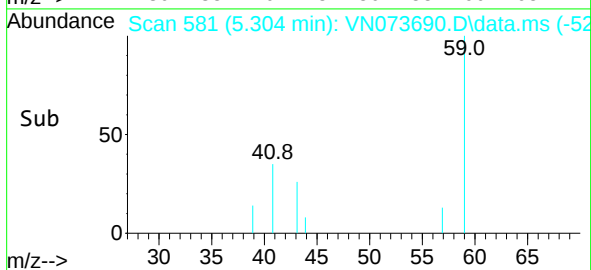
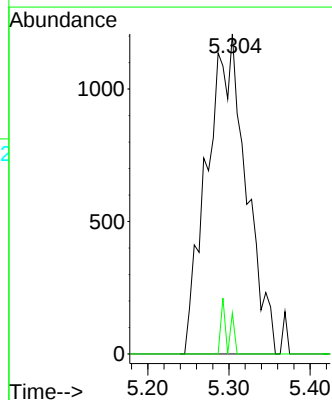
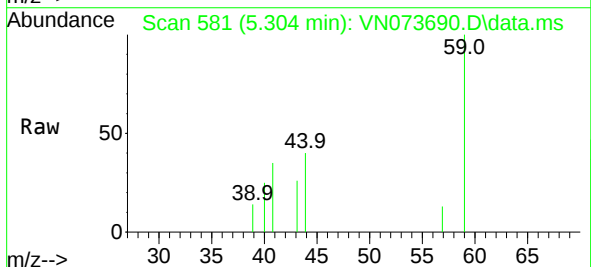
Instrument :
MSVOA_N
ClientSampleId :
MW-24

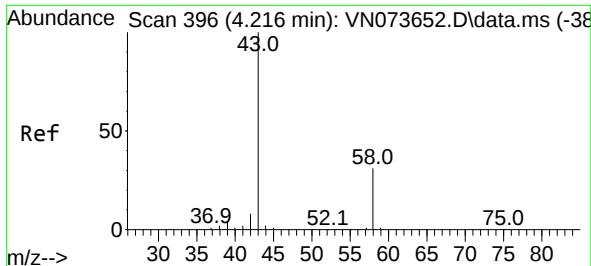
Tgt Ion: 64 Resp: 560
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 4.357 ug/l
RT: 5.304 min Scan# 581
Delta R.T. 0.012 min
Lab File: VN073690.D
Acq: 02 Aug 2022 16:25

Tgt Ion: 59 Resp: 4042
Ion Ratio Lower Upper
59 100
57 3.2 8.3 12.5#

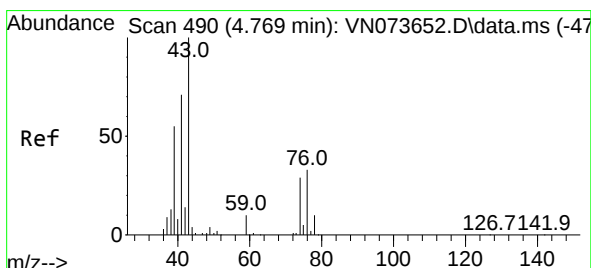
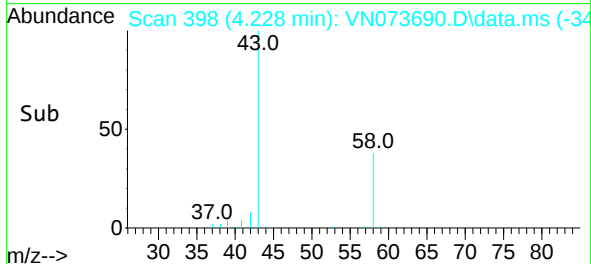
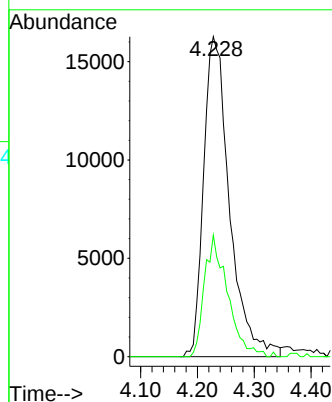
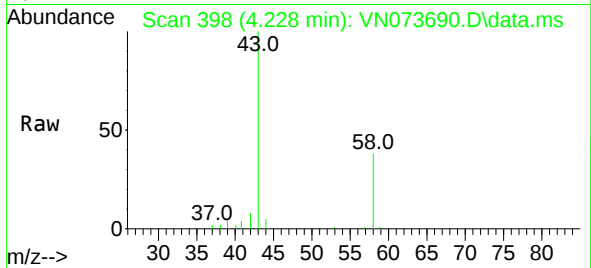




#16
Acetone
Concen: 22.279 ug/l
RT: 4.228 min Scan# 396
Delta R.T. 0.006 min
Lab File: VN073690.D
Acq: 02 Aug 2022 16:25

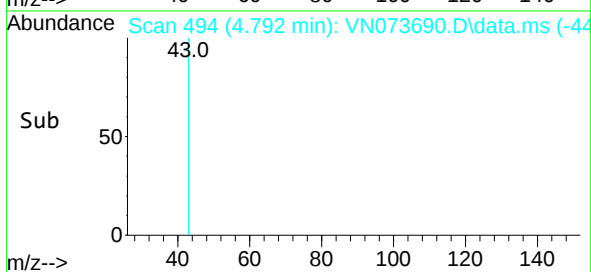
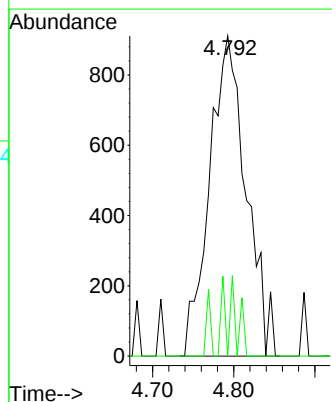
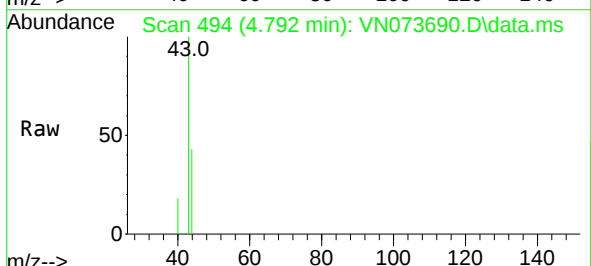
Instrument :
MSVOA_N
ClientSampleId :
MW-24

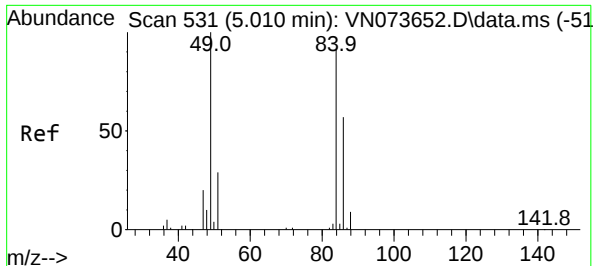
Tgt Ion: 43 Resp: 51475
Ion Ratio Lower Upper
43 100
58 38.0 26.0 39.0



#18
Methyl Acetate
Concen: 0.498 ug/l
RT: 4.792 min Scan# 494
Delta R.T. 0.012 min
Lab File: VN073690.D
Acq: 02 Aug 2022 16:25

Tgt Ion: 43 Resp: 2861
Ion Ratio Lower Upper
43 100
74 2.8 21.6 32.4#

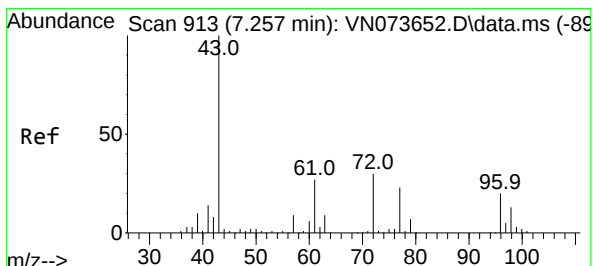
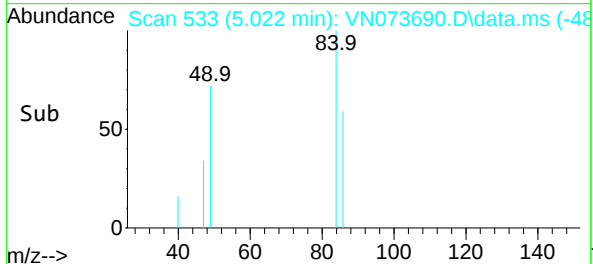
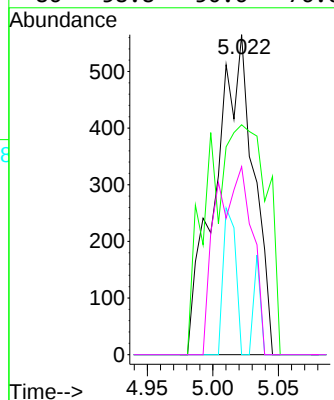
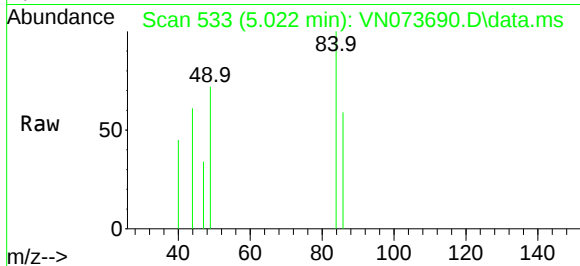




#20
Methylene Chloride
Concen: Below Cal
RT: 5.022 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN073690.D
Acq: 02 Aug 2022 16:25

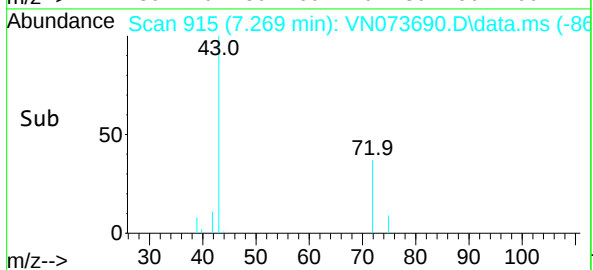
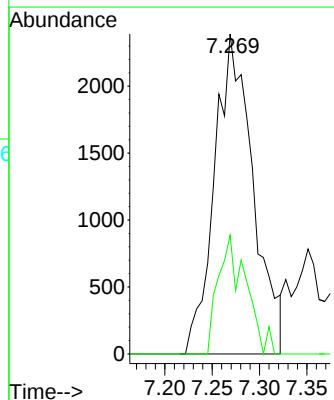
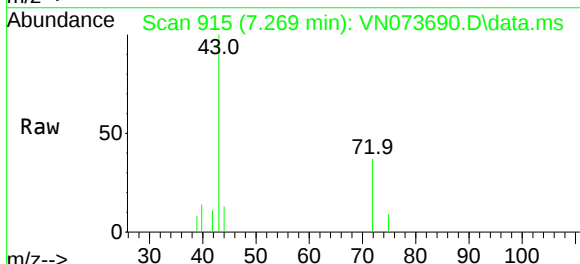
Instrument :
MSVOA_N
ClientSampleId :
MW-24

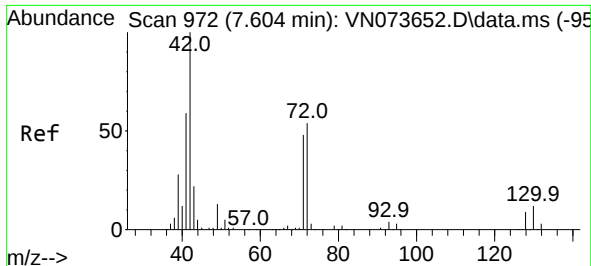
Tgt Ion:	84	Resp:	1153
Ion	Ratio	Lower	Upper
84	100		
49	71.9	88.3	132.5#
51	0.0	28.2	42.2#
86	58.8	50.6	76.0



#25
2-Butanone
Concen: 1.884 ug/l
RT: 7.269 min Scan# 915
Delta R.T. 0.012 min
Lab File: VN073690.D
Acq: 02 Aug 2022 16:25

Tgt Ion:	43	Resp:	6761
Ion	Ratio	Lower	Upper
43	100		
72	37.1	23.7	35.5#

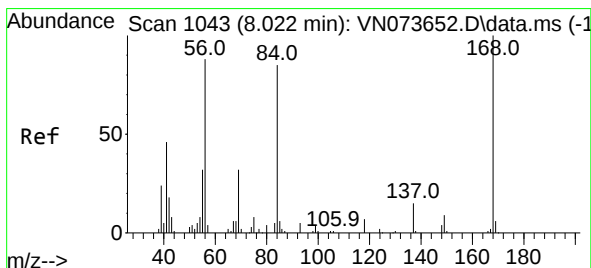
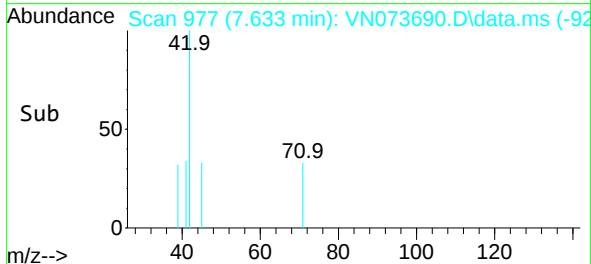
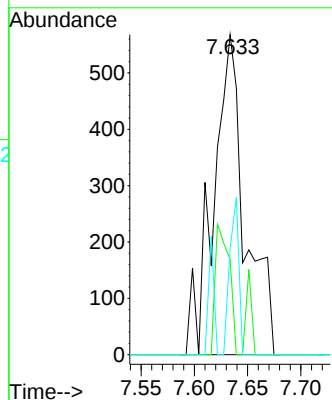
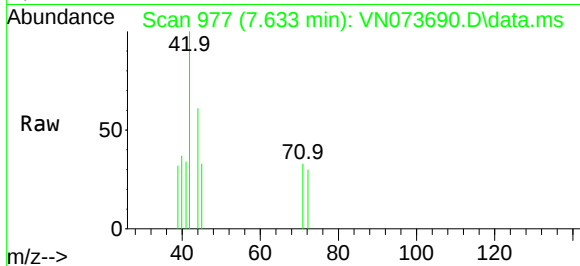




#29
Tetrahydrofuran
Concen: 0.519 ug/l
RT: 7.633 min Scan# 91
Delta R.T. 0.023 min
Lab File: VN073690.D
Acq: 02 Aug 2022 16:25

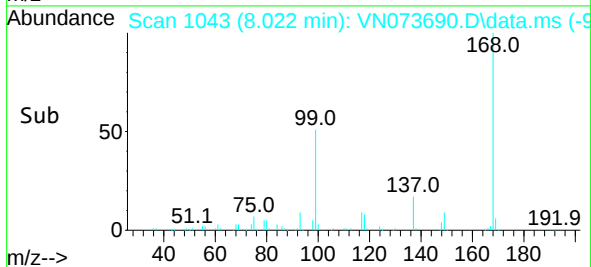
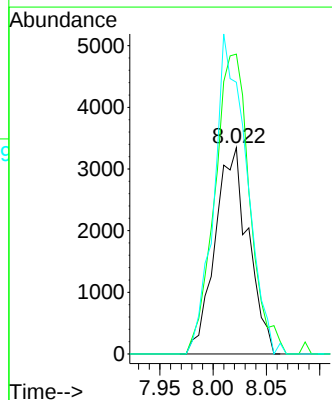
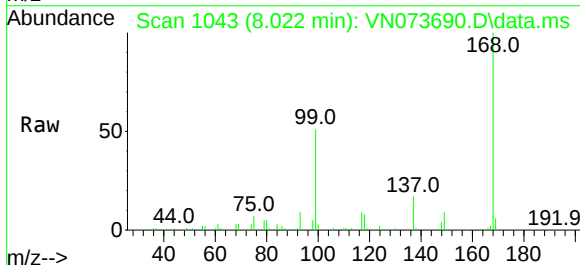
Instrument :
MSVOA_N
ClientSampleId :
MW-24

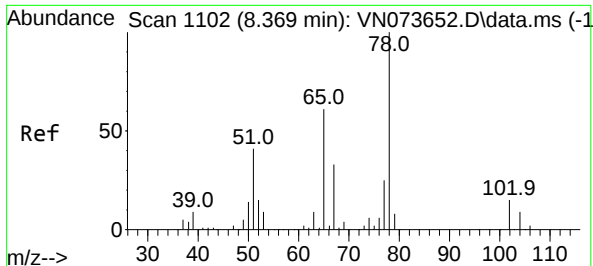
Tgt Ion: 42 Resp: 1178
Ion Ratio Lower Upper
42 100
72 4.5 39.7 59.5#
71 14.0 36.6 55.0#



#31
Cyclohexane
Concen: 1.133 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN073690.D
Acq: 02 Aug 2022 16:25

Tgt Ion: 56 Resp: 7253
Ion Ratio Lower Upper
56 100
69 145.4 27.8 41.8#
84 131.7 76.9 115.3#





#33

1,2-Dichloroethane-d4

Concen: 48.709 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN073690.D

Acq: 02 Aug 2022 16:25

Instrument :

MSVOA_N

ClientSampleId :

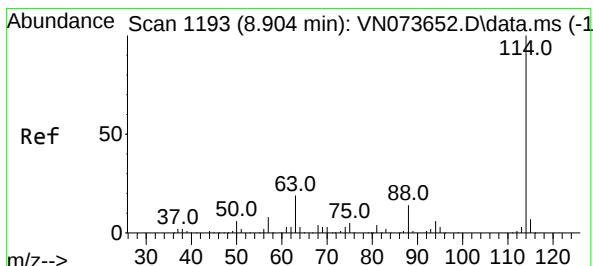
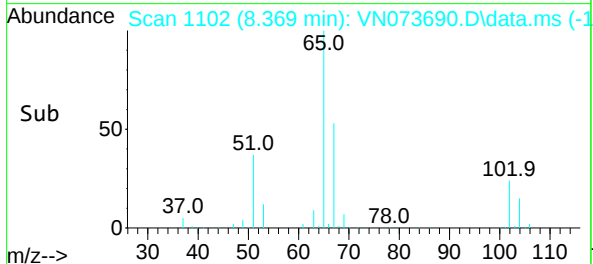
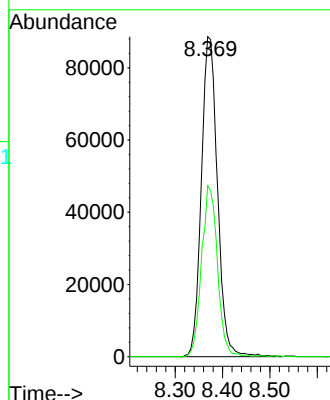
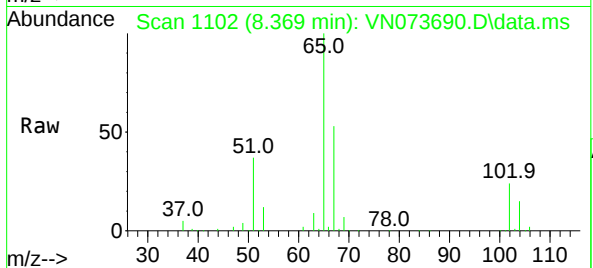
MW-24

Tgt Ion: 65 Resp: 209525

Ion Ratio Lower Upper

65 100

67 52.6 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: VN073690.D

Acq: 02 Aug 2022 16:25

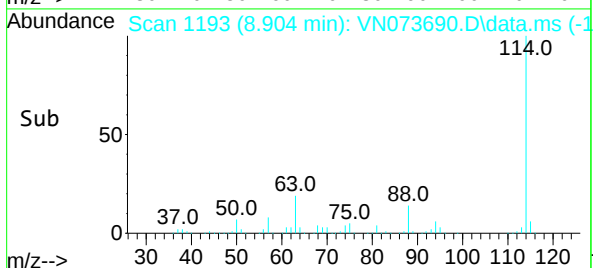
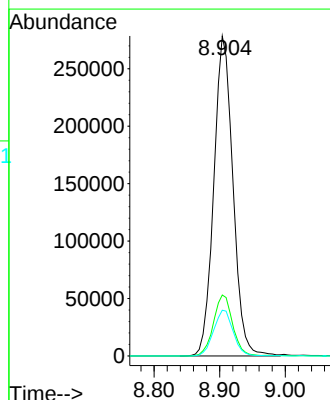
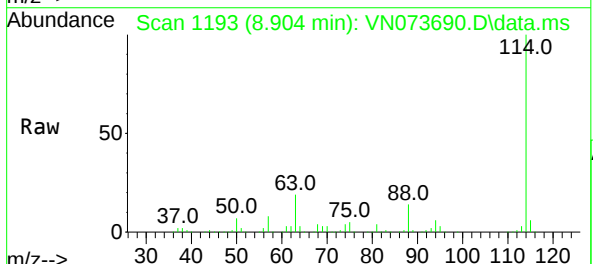
Tgt Ion: 114 Resp: 565203

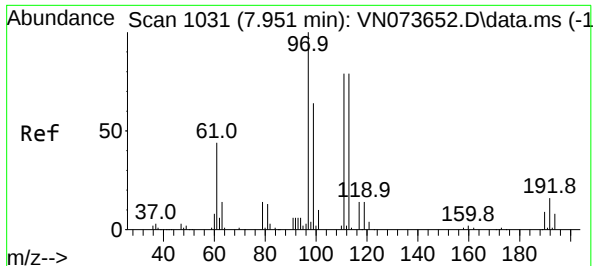
Ion Ratio Lower Upper

114 100

63 19.1 0.0 40.0

88 14.3 0.0 32.6





#35

Dibromofluoromethane

Concen: 54.182 ug/l

RT: 7.951 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN073690.D

Acq: 02 Aug 2022 16:25

Instrument :

MSVOA_N

ClientSampleId :

MW-24

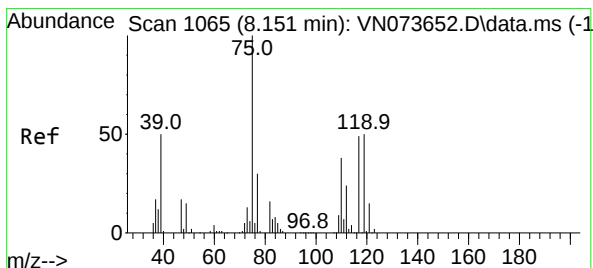
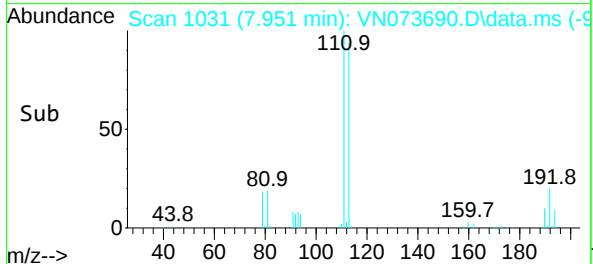
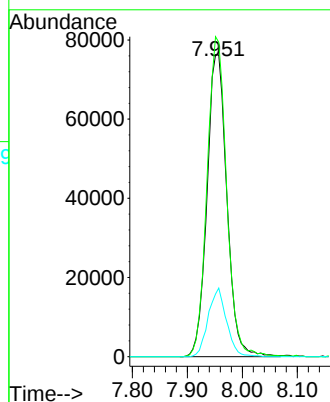
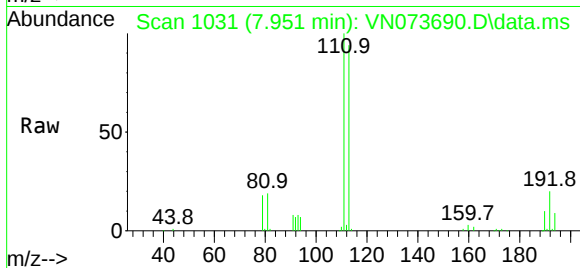
Tgt Ion:113 Resp: 192298

Ion Ratio Lower Upper

113 100

111 104.1 81.4 122.0

192 20.9 17.0 25.6



#36

1,1-Dichloropropene

Concen: 5.073 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.135 min

Lab File: VN073690.D

Acq: 02 Aug 2022 16:25

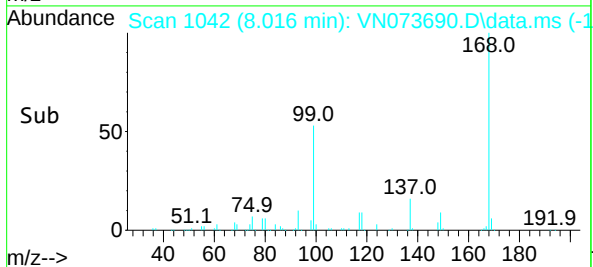
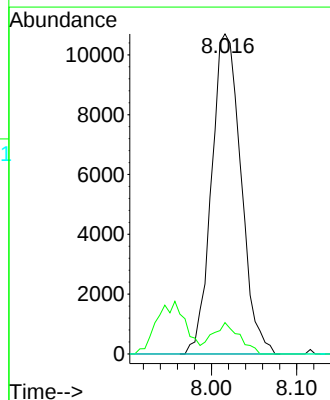
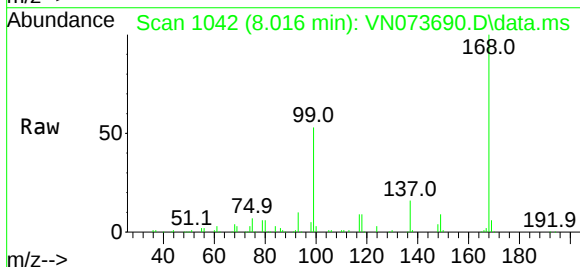
Tgt Ion: 75 Resp: 25661

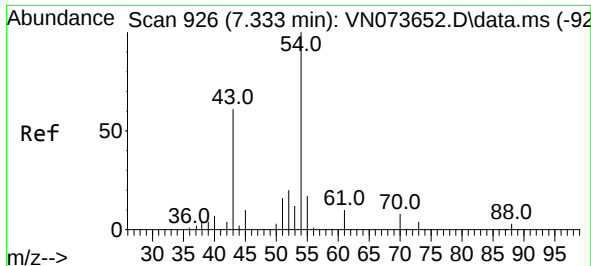
Ion Ratio Lower Upper

75 100

110 9.0 18.3 54.8#

77 0.0 25.1 37.7#

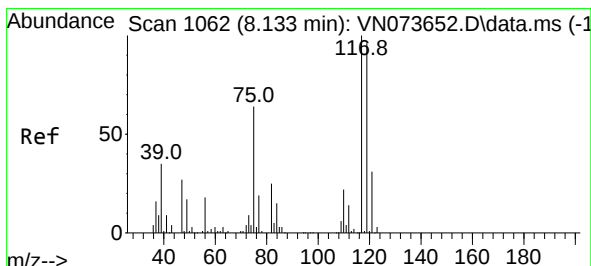
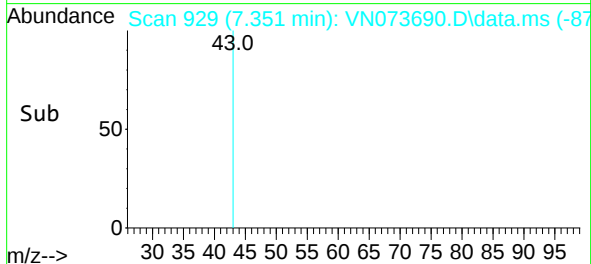
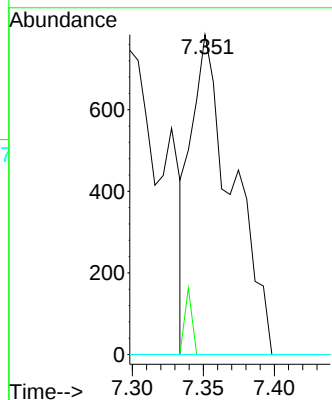
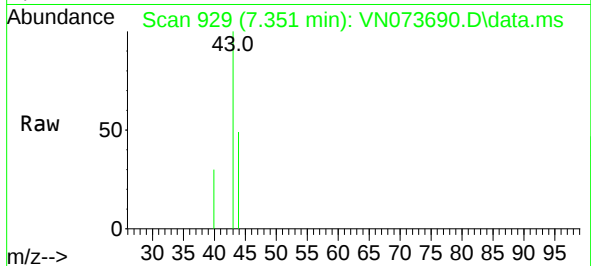




#37
Ethyl Acetate
Concen: 0.241 ug/l
RT: 7.351 min Scan# 91
Delta R.T. 0.012 min
Lab File: VN073690.D
Acq: 02 Aug 2022 16:25

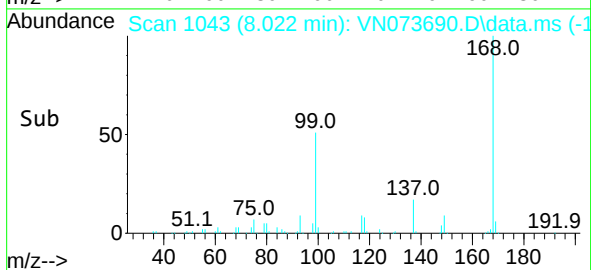
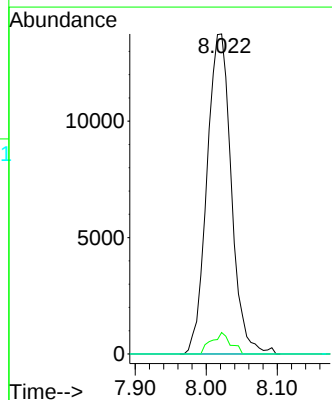
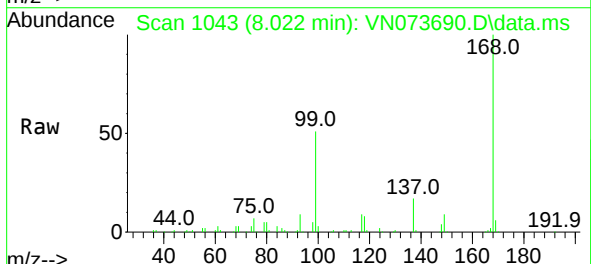
Instrument :
MSVOA_N
ClientSampleId :
MW-24

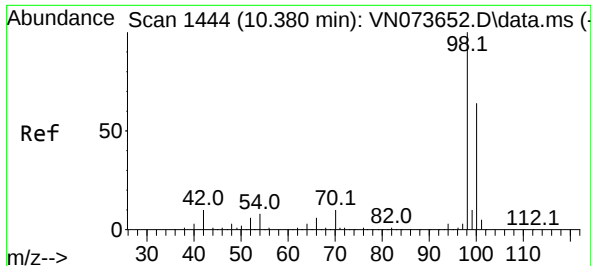
Tgt Ion: 43 Resp: 1608
Ion Ratio Lower Upper
43 100
61 3.6 11.8 17.6#
70 0.0 9.3 13.9#



#38
Carbon Tetrachloride
Concen: 6.379 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.112 min
Lab File: VN073690.D
Acq: 02 Aug 2022 16:25

Tgt Ion: 117 Resp: 32771
Ion Ratio Lower Upper
117 100
119 6.7 75.8 113.8#
121 0.0 24.6 37.0#

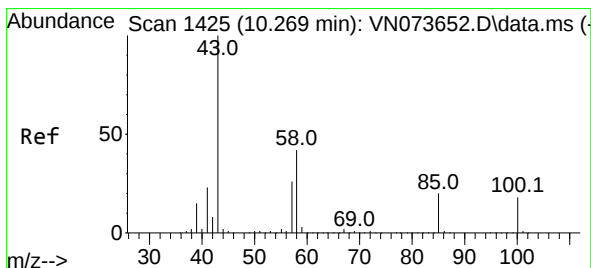
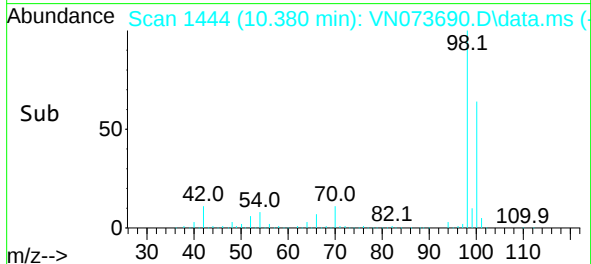
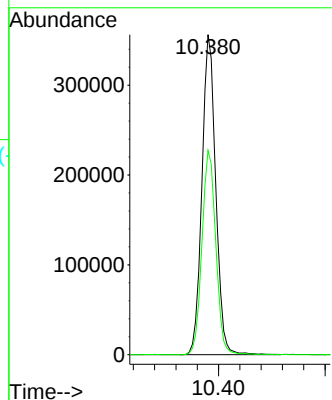
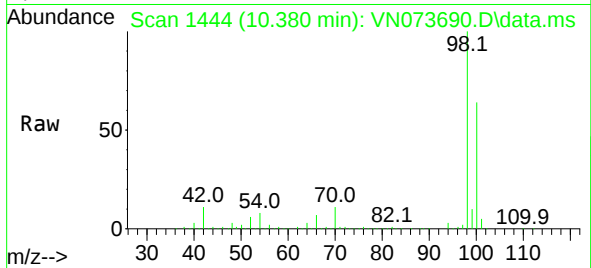




#50
Toluene-d8
Concen: 45.750 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. -0.000 min
Lab File: VN073690.D
Acq: 02 Aug 2022 16:25

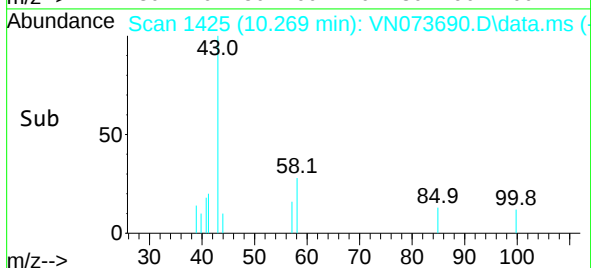
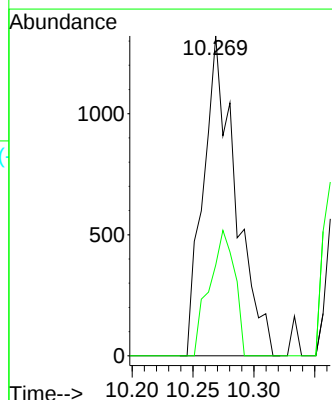
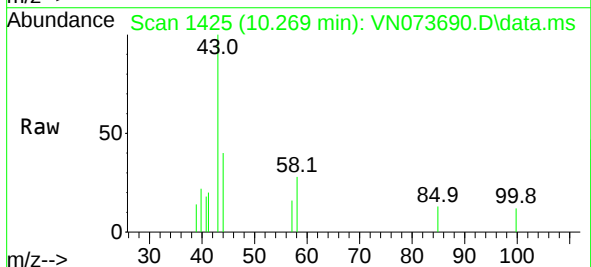
Instrument :
MSVOA_N
ClientSampleId :
MW-24

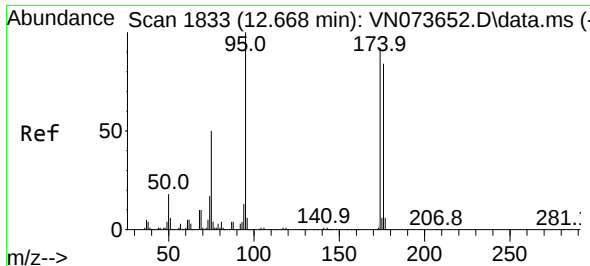
Tgt Ion: 98 Resp: 638956
Ion Ratio Lower Upper
98 100
100 64.1 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.377 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN073690.D
Acq: 02 Aug 2022 16:25

Tgt Ion: 43 Resp: 2436
Ion Ratio Lower Upper
43 100
58 30.8 34.1 51.1#

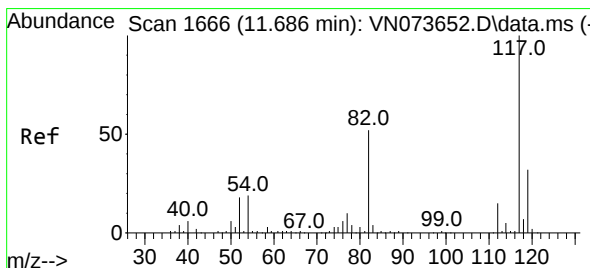
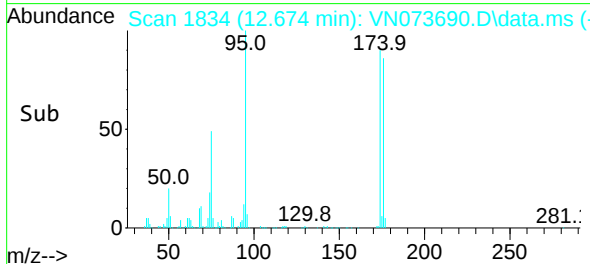
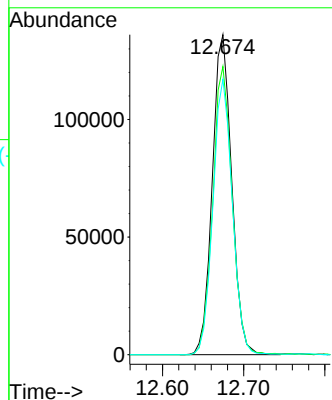
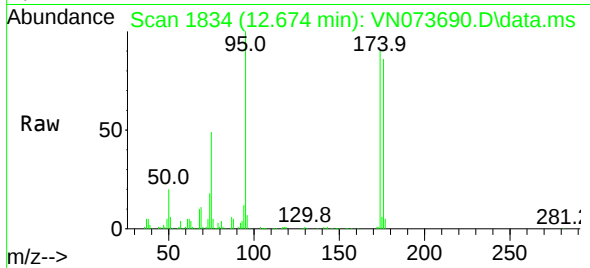




#62
4-Bromofluorobenzene
Concen: 48.730 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073690.D
Acq: 02 Aug 2022 16:25

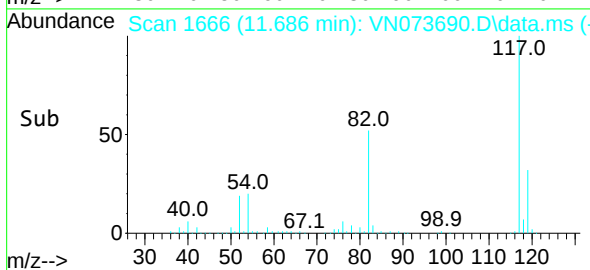
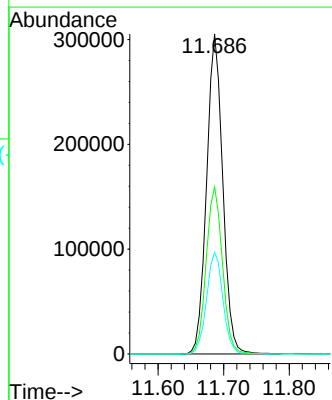
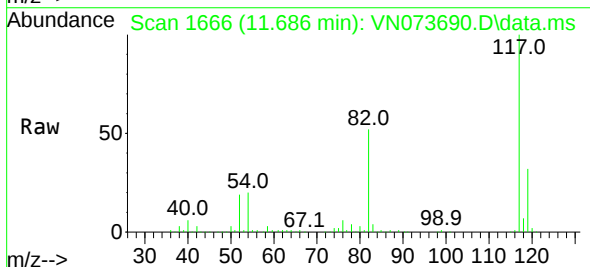
Instrument :
MSVOA_N
ClientSampleId :
MW-24

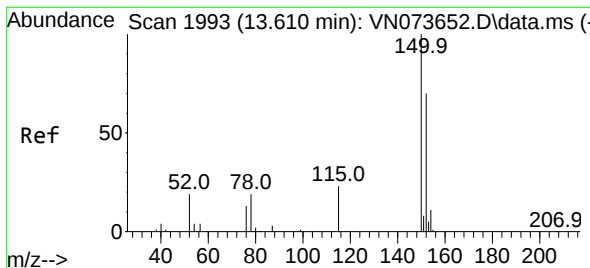
Tgt Ion: 95 Resp: 226261
Ion Ratio Lower Upper
95 100
174 89.9 0.0 167.6
176 86.1 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. -0.000 min
Lab File: VN073690.D
Acq: 02 Aug 2022 16:25

Tgt Ion: 117 Resp: 523598
Ion Ratio Lower Upper
117 100
82 52.2 44.2 66.2
119 31.8 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.615 min Scan# 1994

Delta R.T. -0.000 min

Lab File: VN073690.D

Acq: 02 Aug 2022 16:25

Instrument :

MSVOA_N

ClientSampleId :

MW-24

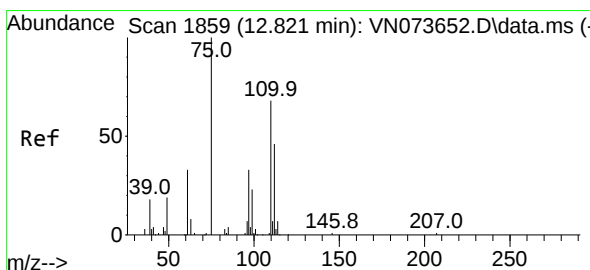
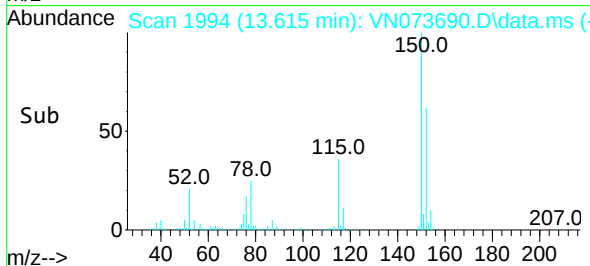
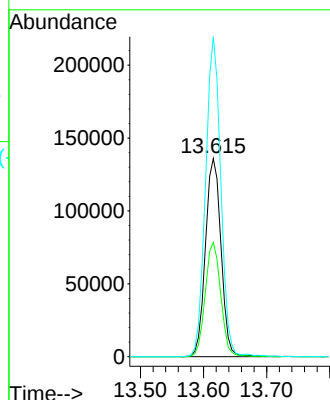
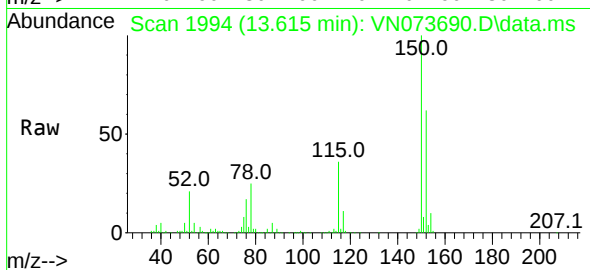
Tgt Ion:152 Resp: 232997

Ion Ratio Lower Upper

152 100

115 57.2 28.9 86.7

150 157.7 0.0 356.2



#76

1,2,3-Trichloropropane

Concen: 25.777 ug/l

RT: 12.674 min Scan# 1834

Delta R.T. -0.147 min

Lab File: VN073690.D

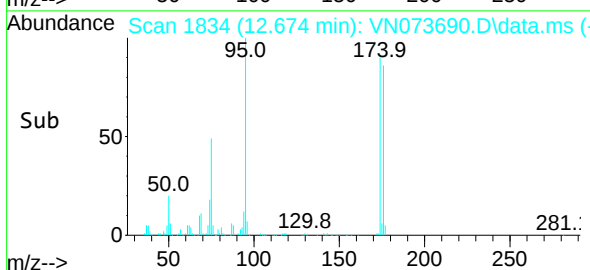
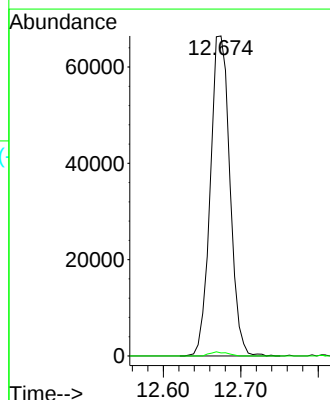
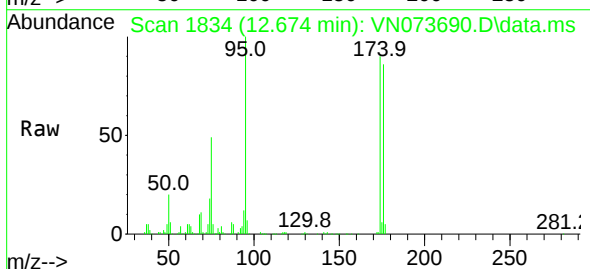
Acq: 02 Aug 2022 16:25

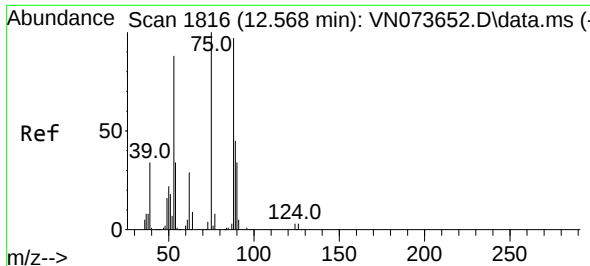
Tgt Ion: 75 Resp: 116690

Ion Ratio Lower Upper

75 100

77 1.1 98.5 295.5#

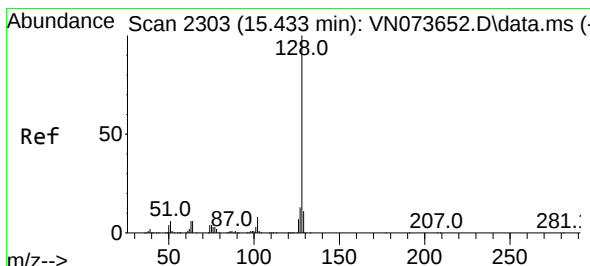
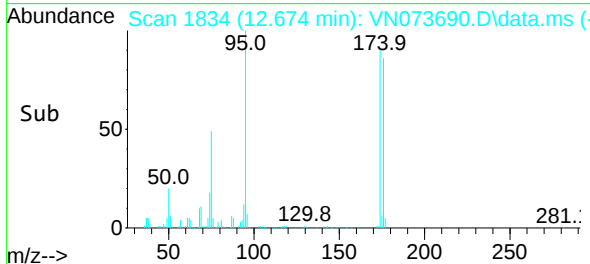
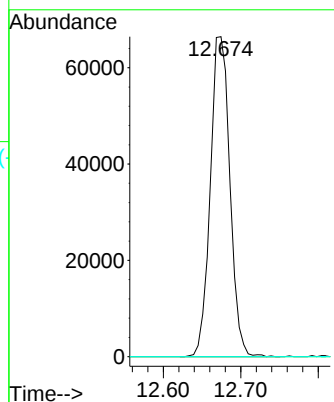
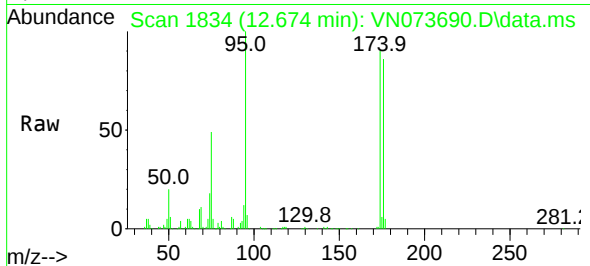




#81
trans-1,4-Dichloro-2-butene
Concen: 64.903 ug/l
RT: 12.674 min Scan# 1816
Delta R.T. 0.106 min
Lab File: VN073690.D
Acq: 02 Aug 2022 16:25

Instrument :
MSVOA_N
ClientSampleId :
MW-24

Tgt Ion: 75 Resp: 116690
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#



#95
Naphthalene
Concen: 0.835 ug/l
RT: 15.445 min Scan# 2305
Delta R.T. 0.012 min
Lab File: VN073690.D
Acq: 02 Aug 2022 16:25

Tgt Ion: 128 Resp: 11054
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 12.0 8.6 13.0

