

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080222\
 Data File : VN073691.D
 Acq On : 02 Aug 2022 16:50
 Operator : JC\MD
 Sample : N3971-17
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-25R

Quant Time: Aug 03 02:08:26 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)

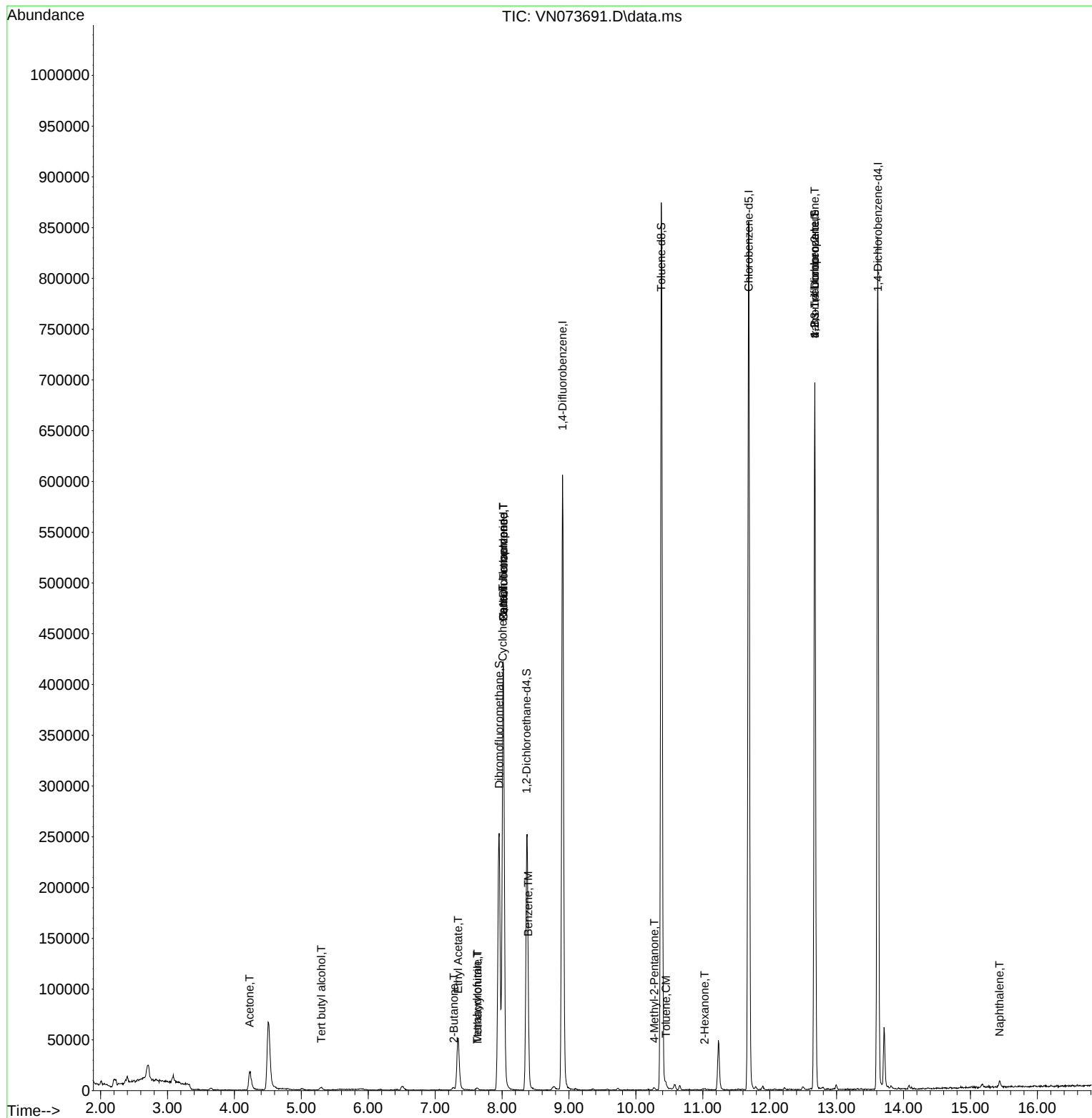
Internal Standards						
1) Pentafluorobenzene	8.022	168	342138	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	549141	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	514758	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	234333	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	204148	48.962	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.920%		
35) Dibromofluoromethane	7.957	113	188596	54.693	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	109.380%		
50) Toluene-d8	10.380	98	623415	45.943	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.880%		
62) 4-Bromofluorobenzene	12.674	95	222780	49.279	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	98.560%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.263	50	1167	Below Cal	#	64
6) Chloroethane	3.063	64	466	Below Cal	#	42
11) Tert butyl alcohol	5.298	59	4597	5.112	ug/l #	86
16) Acetone	4.228	43	34507	15.408	ug/l	95
20) Methylene Chloride	5.016	84	706	Below Cal	#	81
25) 2-Butanone	7.281	43	3132	0.901	ug/l #	85
29) Tetrahydrofuran	7.628	42	1245	0.566	ug/l	100
31) Cyclohexane	8.010	56	6483	1.044	ug/l #	15
36) 1,1-Dichloropropene	8.016	75	25299	5.148	ug/l #	48
37) Ethyl Acetate	7.345	43	81542	12.599	ug/l	99
38) Carbon Tetrachloride	8.022	117	31064	6.223	ug/l #	18
40) Benzene	8.392	78	6532	0.409	ug/l	98
41) Methacrylonitrile	7.634	41	936	0.320	ug/l #	25
51) 4-Methyl-2-Pentanone	10.275	43	2160	0.344	ug/l #	79
52) Toluene	10.451	92	2094	0.215	ug/l	93
59) 2-Hexanone	11.027	43	1046	0.220	ug/l	73
76) 1,2,3-Trichloropropane	12.674	75	115622	25.344	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	115622	63.942	ug/l #	11
95) Naphthalene	15.433	128	6798	0.511	ug/l	96

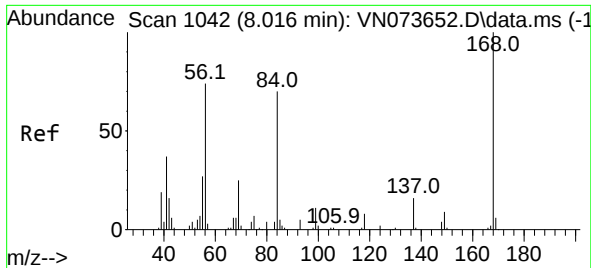
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jul 29 02:20:25 2022
Response via : Initial Calibration

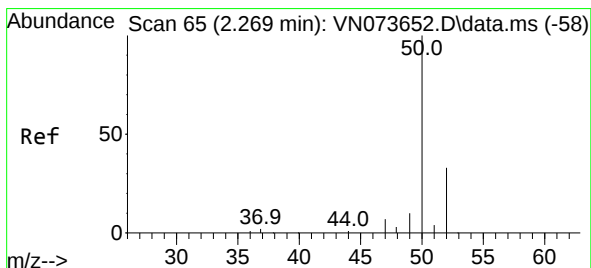
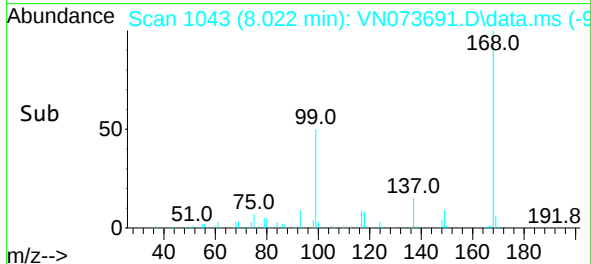
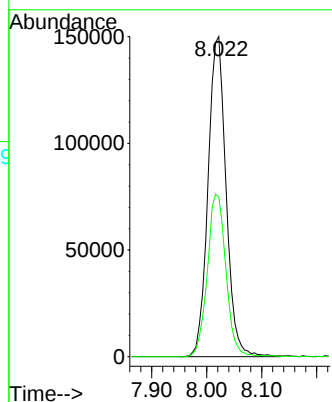
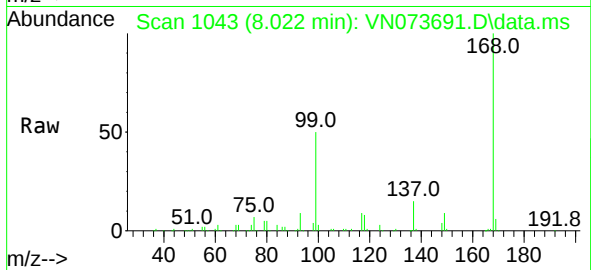




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN073691.D
Acq: 02 Aug 2022 16:50

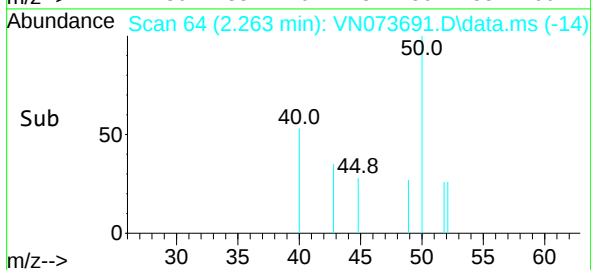
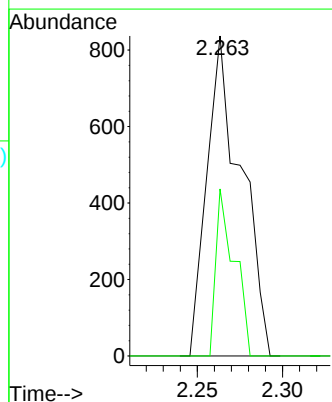
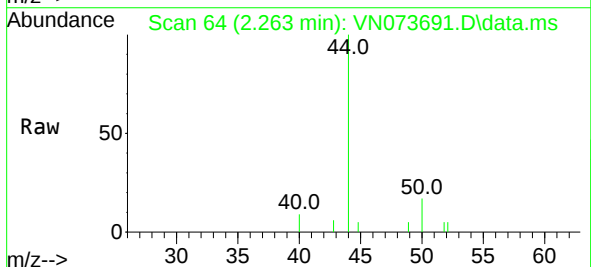
Instrument :
MSVOA_N
ClientSampleId :
MW-25R

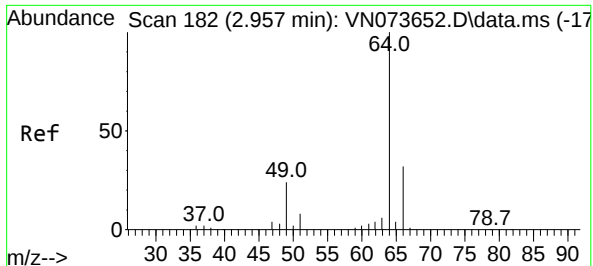
Tgt Ion:168 Resp: 342138
Ion Ratio Lower Upper
168 100
99 50.0 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN073691.D
Acq: 02 Aug 2022 16:50

Tgt Ion: 50 Resp: 1167
Ion Ratio Lower Upper
50 100
52 52.2 25.7 38.5#

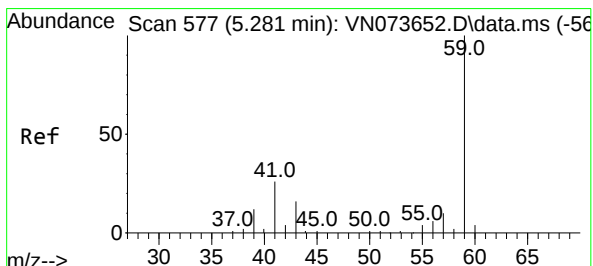
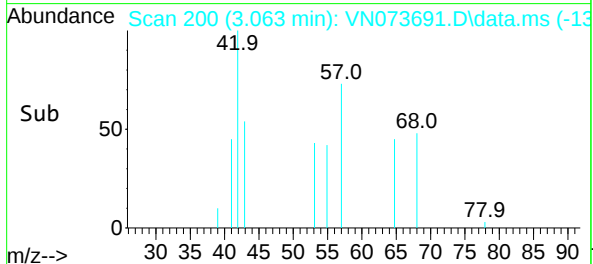
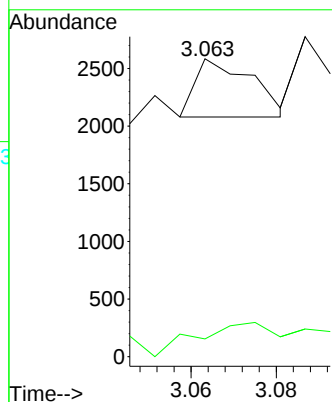
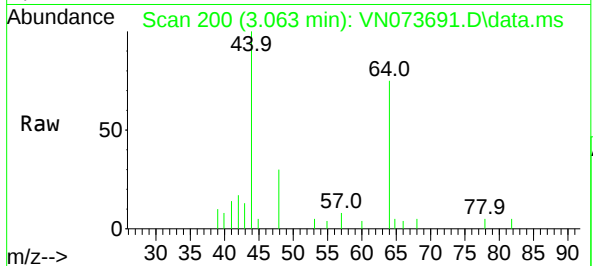




#6
Chloroethane
Concen: Below Cal
RT: 3.063 min Scan# 20
Delta R.T. 0.106 min
Lab File: VN073691.D
Acq: 02 Aug 2022 16:50

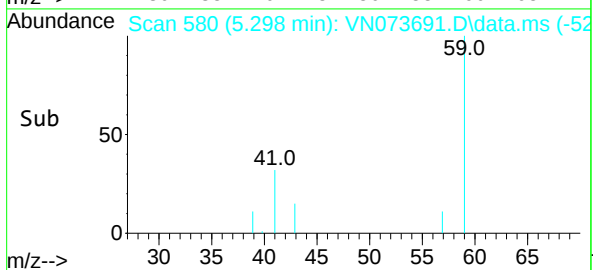
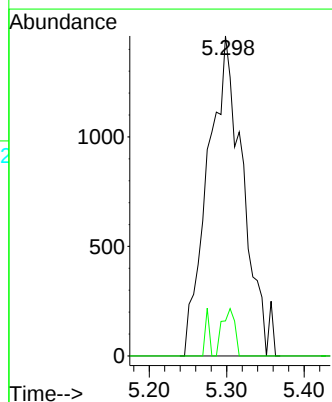
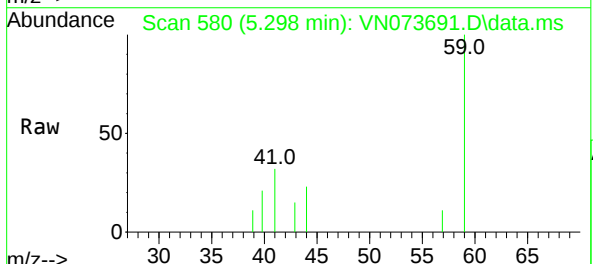
Instrument :
MSVOA_N
ClientSampleId :
MW-25R

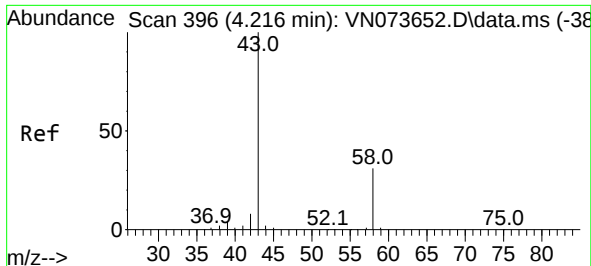
Tgt Ion: 64 Resp: 466
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 5.112 ug/l
RT: 5.298 min Scan# 580
Delta R.T. 0.006 min
Lab File: VN073691.D
Acq: 02 Aug 2022 16:50

Tgt Ion: 59 Resp: 4597
Ion Ratio Lower Upper
59 100
57 5.3 8.3 12.5#

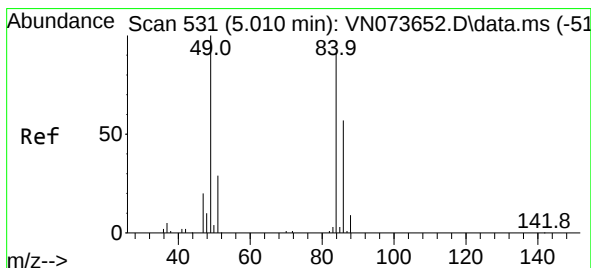
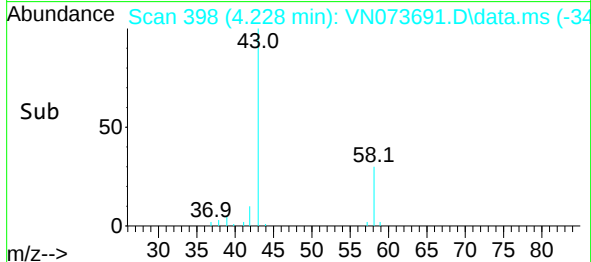
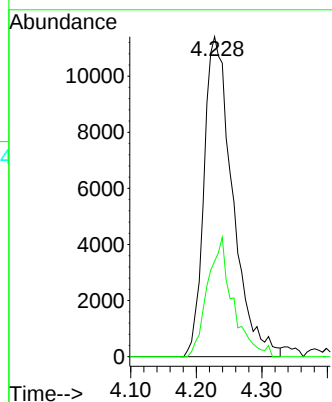
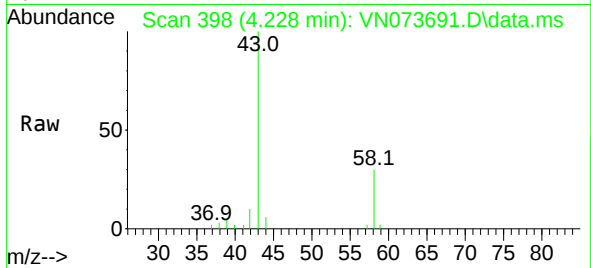




#16
Acetone
Concen: 15.408 ug/l
RT: 4.228 min Scan# 396
Delta R.T. 0.006 min
Lab File: VN073691.D
Acq: 02 Aug 2022 16:50

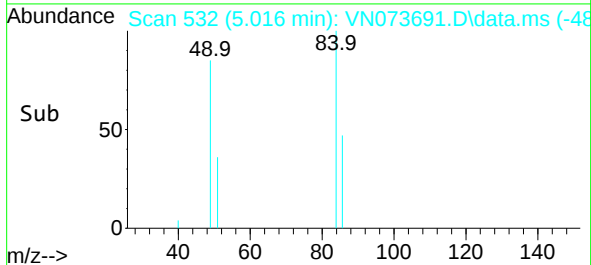
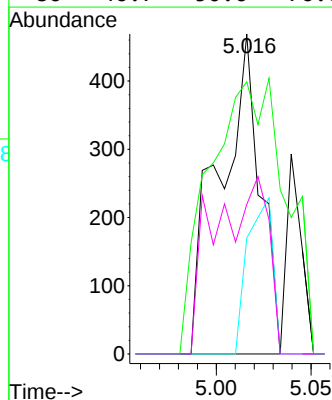
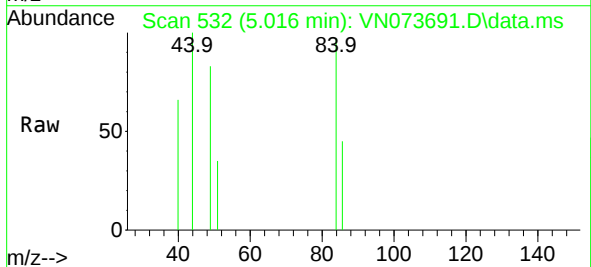
Instrument :
MSVOA_N
ClientSampleId :
MW-25R

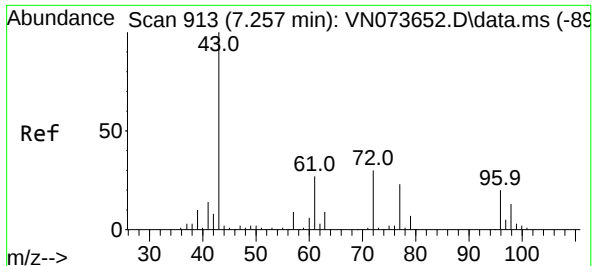
Tgt Ion: 43 Resp: 34507
Ion Ratio Lower Upper
43 100
58 29.8 26.0 39.0



#20
Methylene Chloride
Concen: Below Cal
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN073691.D
Acq: 02 Aug 2022 16:50

Tgt Ion: 84 Resp: 706
Ion Ratio Lower Upper
84 100
49 85.1 88.3 132.5#
51 36.2 28.2 42.2
86 46.7 50.6 76.0#





#25

2-Butanone

Concen: 0.901 ug/l

RT: 7.281 min Scan# 917

Delta R.T. 0.024 min

Lab File: VN073691.D

Acq: 02 Aug 2022 16:50

Instrument :

MSVOA_N

ClientSampleId :

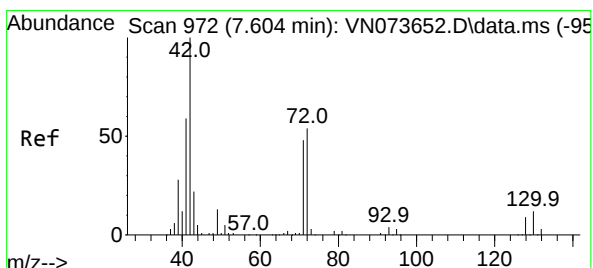
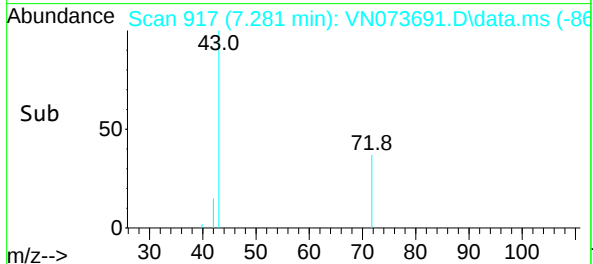
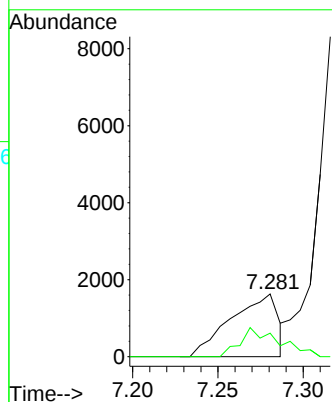
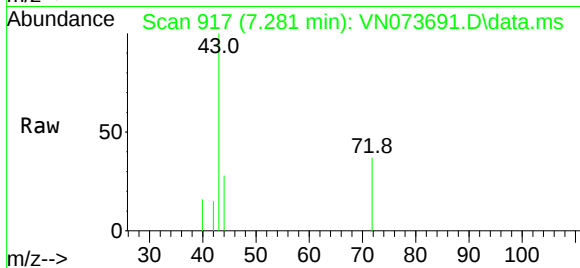
MW-25R

Tgt Ion: 43 Resp: 3132

Ion Ratio Lower Upper

43 100

72 37.5 23.7 35.5#



#29

Tetrahydrofuran

Concen: 0.566 ug/l

RT: 7.628 min Scan# 976

Delta R.T. 0.018 min

Lab File: VN073691.D

Acq: 02 Aug 2022 16:50

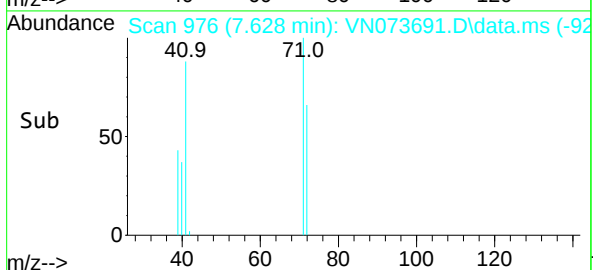
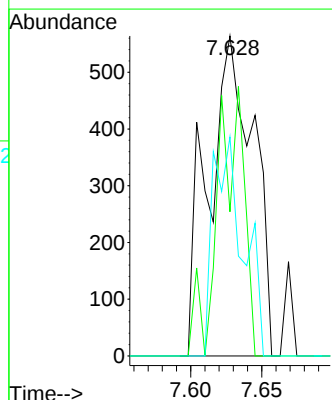
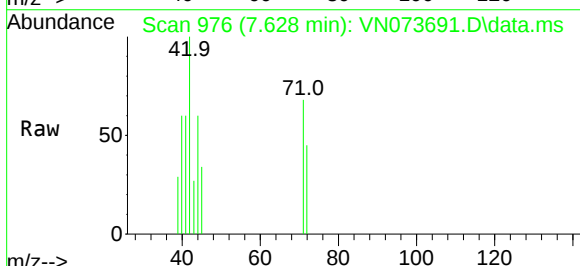
Tgt Ion: 42 Resp: 1245

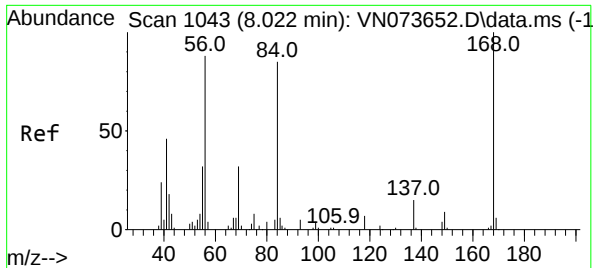
Ion Ratio Lower Upper

42 100

72 49.4 39.7 59.5

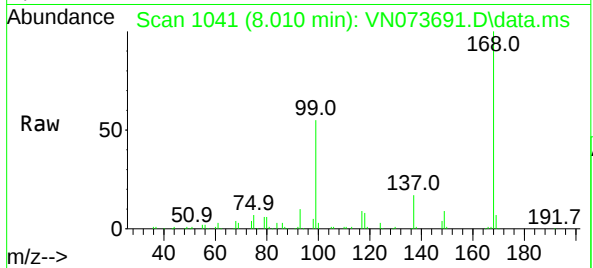
71 45.5 36.6 55.0



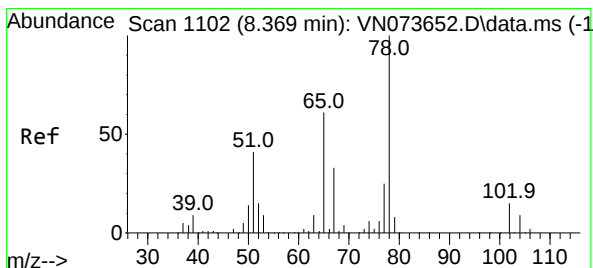
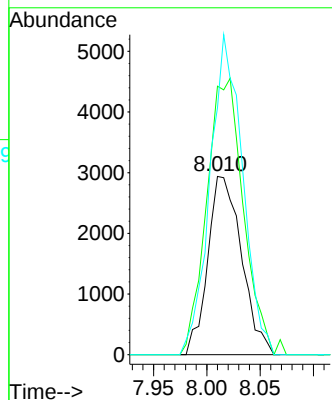
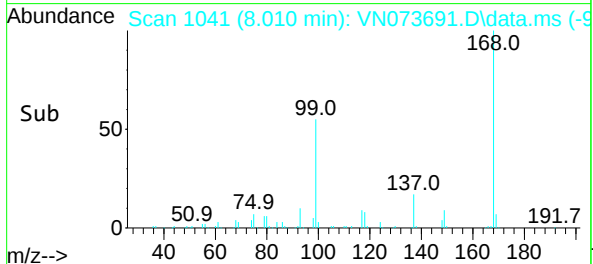


#31
Cyclohexane
Concen: 1.044 ug/l
RT: 8.010 min Scan# 1041
Delta R.T. -0.012 min
Lab File: VN073691.D
Acq: 02 Aug 2022 16:50

Instrument :
MSVOA_N
ClientSampleId :
MW-25R

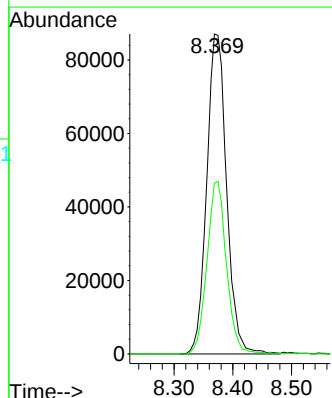
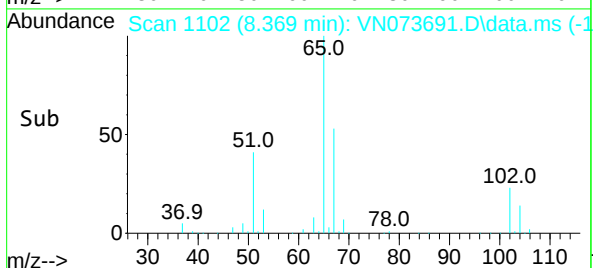
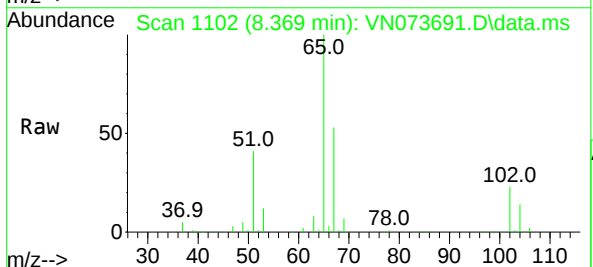


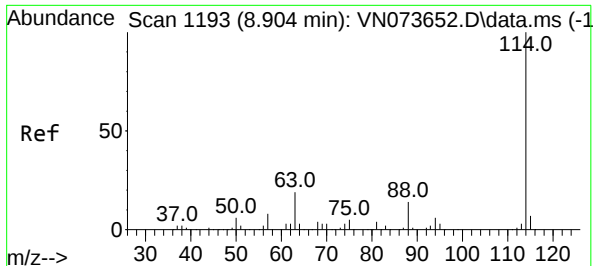
Tgt Ion: 56 Resp: 6483
Ion Ratio Lower Upper
56 100
69 150.6 27.8 41.8#
84 138.5 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 48.962 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073691.D
Acq: 02 Aug 2022 16:50

Tgt Ion: 65 Resp: 204148
Ion Ratio Lower Upper
65 100
67 52.8 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: VN073691.D

Acq: 02 Aug 2022 16:50

Instrument :

MSVOA_N

ClientSampleId :

MW-25R

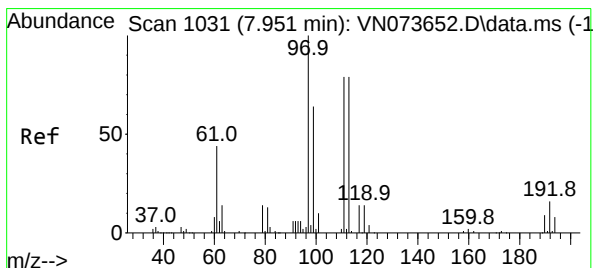
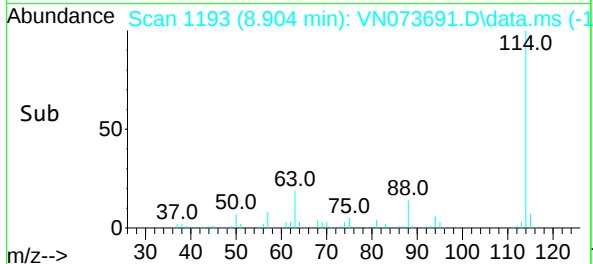
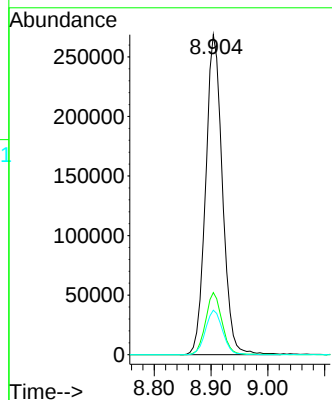
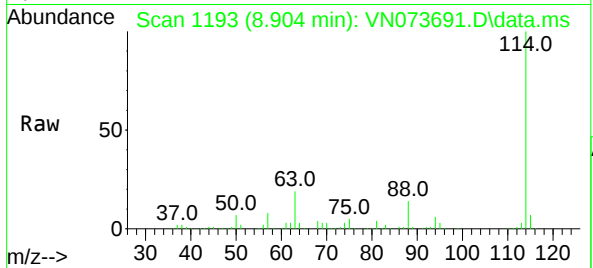
Tgt Ion:114 Resp: 549141

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.0

88 13.9 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.693 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN073691.D

Acq: 02 Aug 2022 16:50

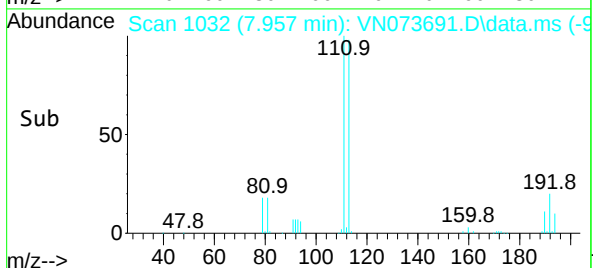
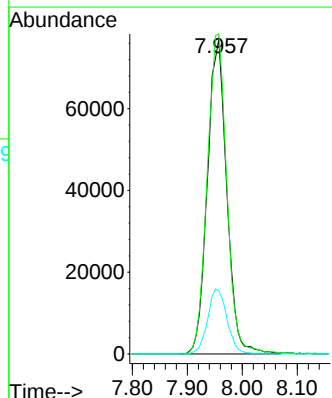
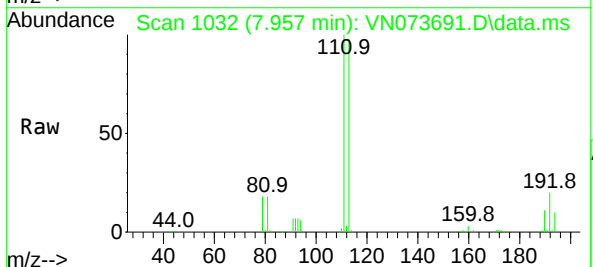
Tgt Ion:113 Resp: 188596

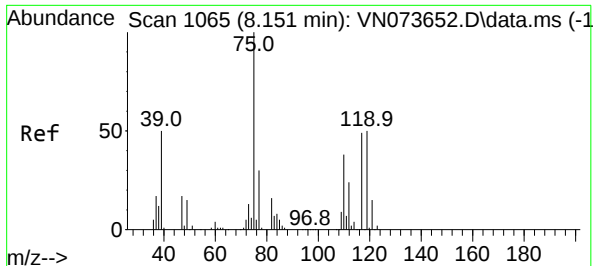
Ion Ratio Lower Upper

113 100

111 103.1 81.4 122.0

192 20.7 17.0 25.6

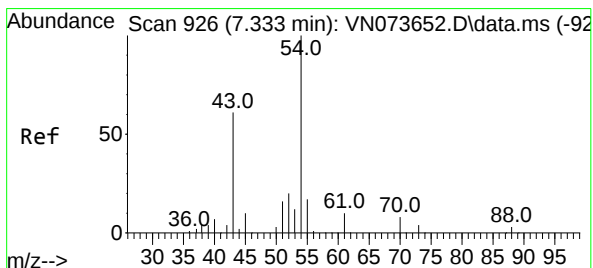
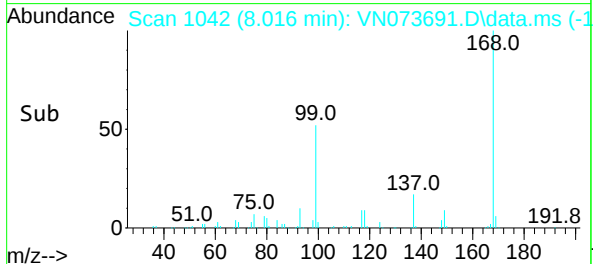
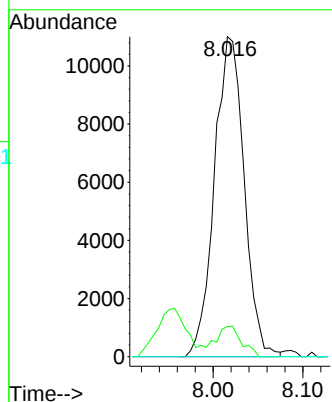
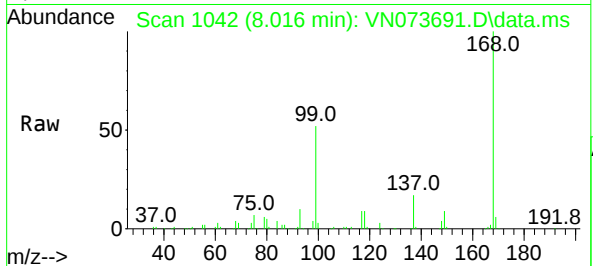




#36
1,1-Dichloropropene
Concen: 5.148 ug/l
RT: 8.016 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN073691.D
Acq: 02 Aug 2022 16:50

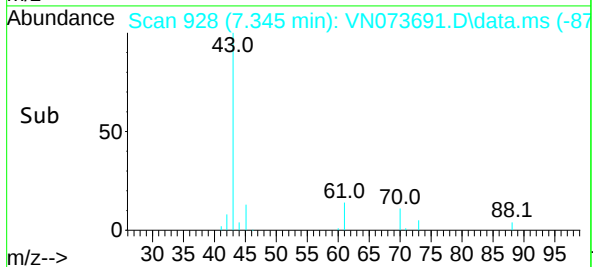
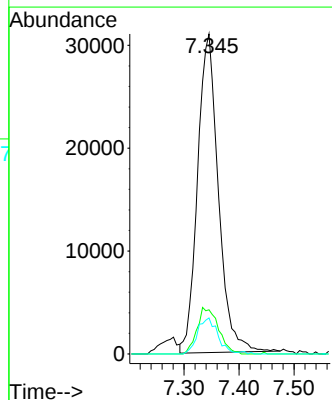
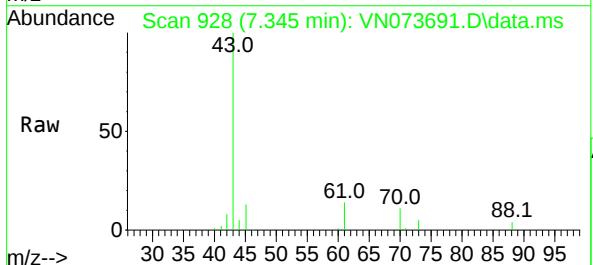
Instrument :
MSVOA_N
ClientSampleId :
MW-25R

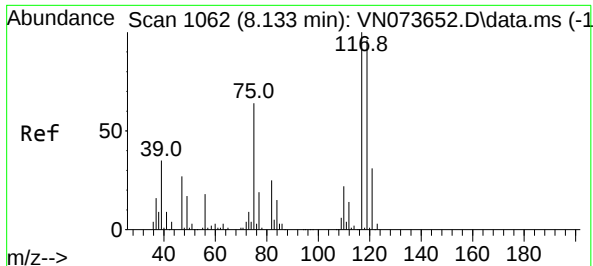
Tgt Ion: 75 Resp: 25299
Ion Ratio Lower Upper
75 100
110 8.0 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 12.599 ug/l
RT: 7.345 min Scan# 928
Delta R.T. 0.006 min
Lab File: VN073691.D
Acq: 02 Aug 2022 16:50

Tgt Ion: 43 Resp: 81542
Ion Ratio Lower Upper
43 100
61 14.9 11.8 17.6
70 10.9 9.3 13.9

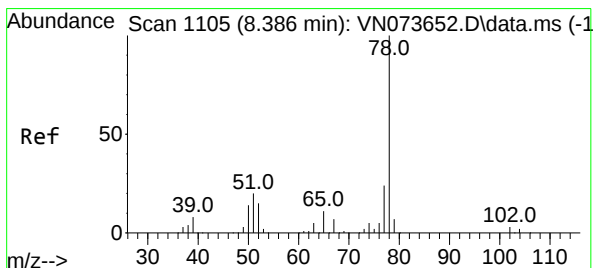
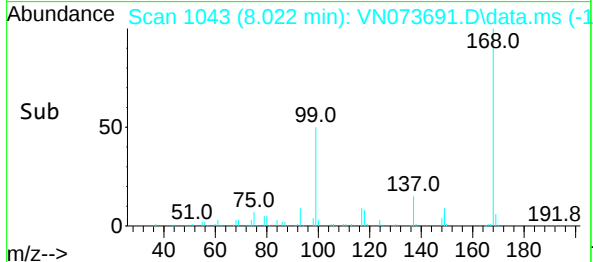
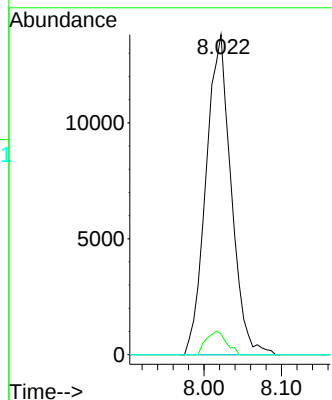
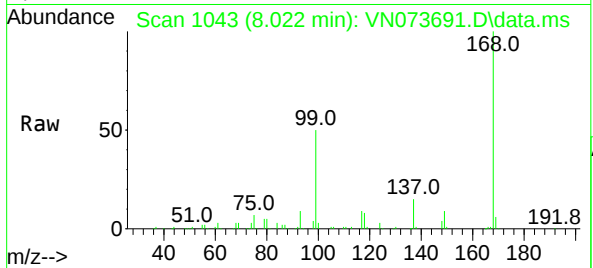




#38
Carbon Tetrachloride
Concen: 6.223 ug/l
RT: 8.022 min Scan# 1106
Delta R.T. -0.112 min
Lab File: VN073691.D
Acq: 02 Aug 2022 16:50

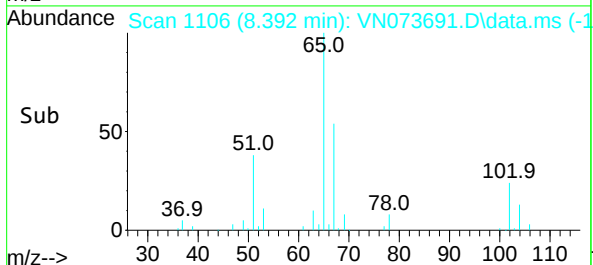
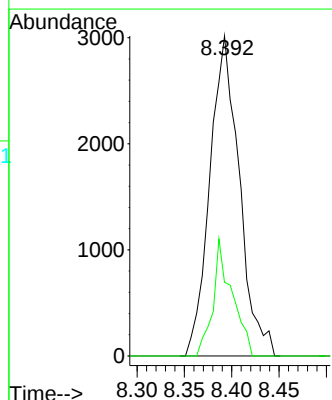
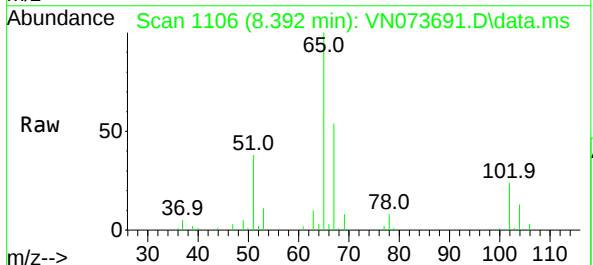
Instrument :
MSVOA_N
ClientSampleId :
MW-25R

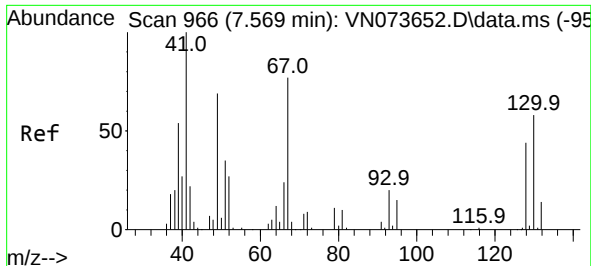
Tgt Ion:117 Resp: 31064
Ion Ratio Lower Upper
117 100
119 6.5 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.409 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN073691.D
Acq: 02 Aug 2022 16:50

Tgt Ion: 78 Resp: 6532
Ion Ratio Lower Upper
78 100
77 23.0 19.4 29.0

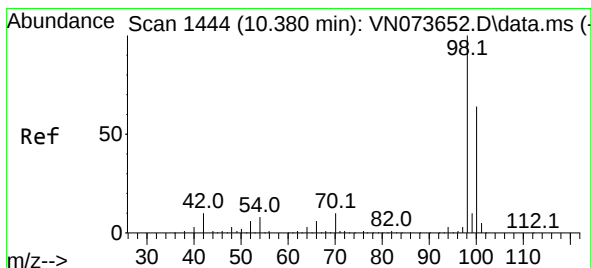
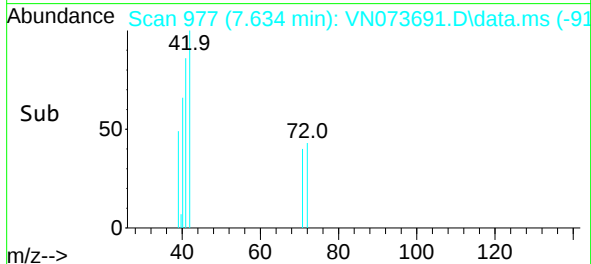
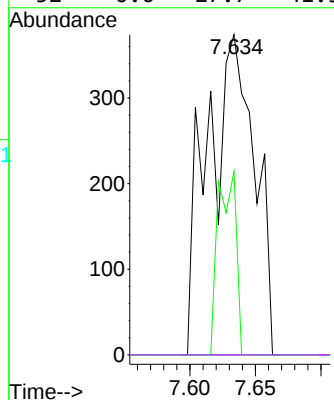
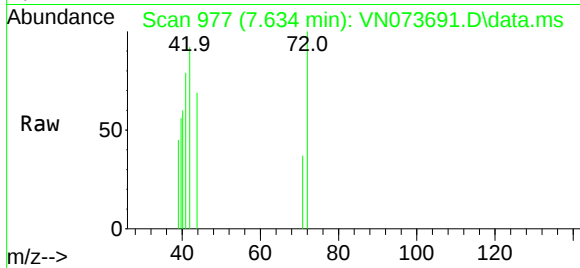




#41
Methacrylonitrile
Concen: 0.320 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.071 min
Lab File: VN073691.D
Acq: 02 Aug 2022 16:50

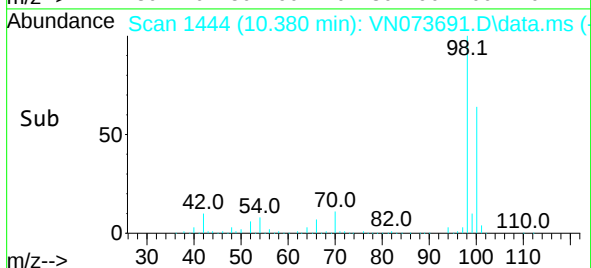
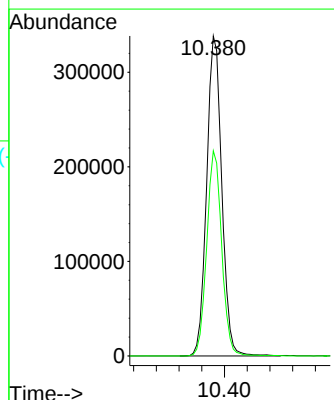
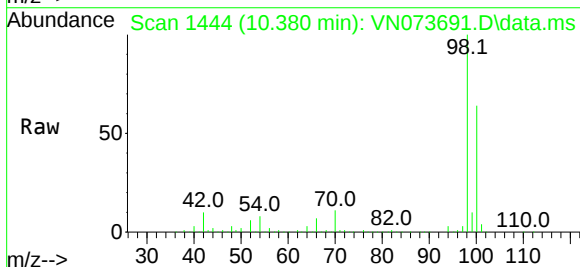
Instrument :
MSVOA_N
ClientSampleId :
MW-25R

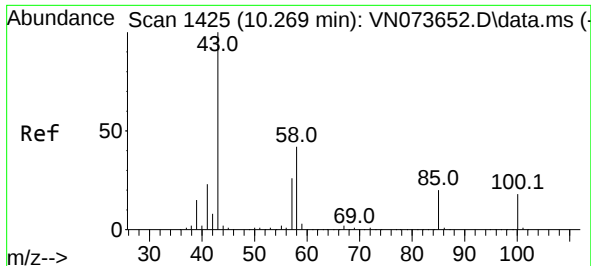
Tgt Ion: 41	Resp: 936
Ion Ratio	Lower Upper
41	100
39	22.0 48.6 73.0#
67	0.0 73.4 110.2#
52	0.0 27.7 41.5#



#50
Toluene-d8
Concen: 45.943 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073691.D
Acq: 02 Aug 2022 16:50

Tgt Ion: 98	Resp: 623415
Ion Ratio	Lower Upper
98	100
100	63.6 52.6 78.8

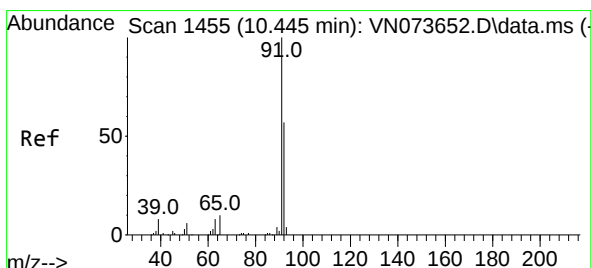
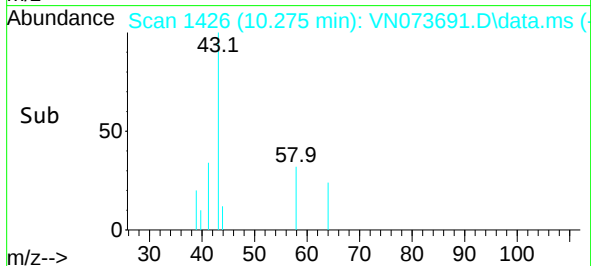
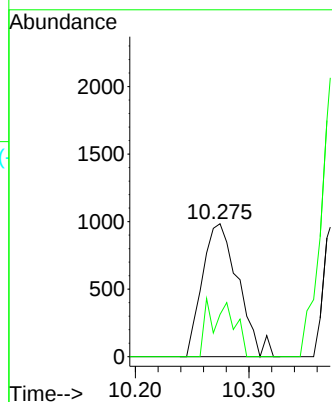
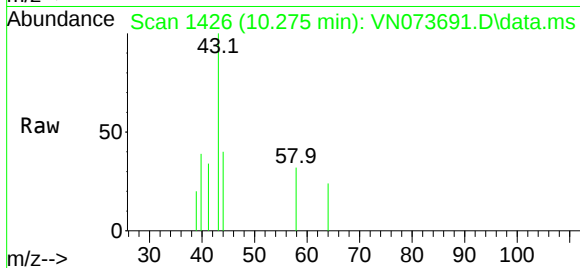




#51
4-Methyl-2-Pentanone
Concen: 0.344 ug/l
RT: 10.275 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VN073691.D
Acq: 02 Aug 2022 16:50

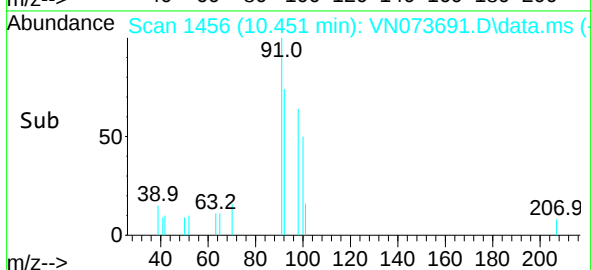
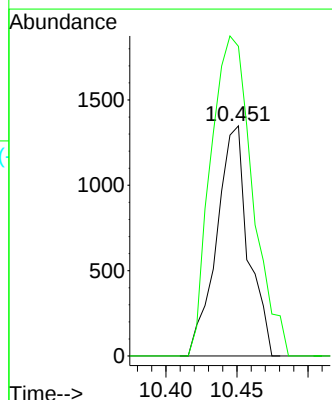
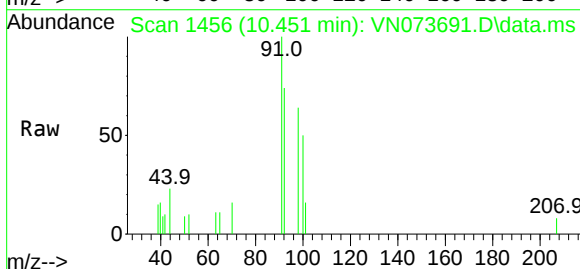
Instrument :
MSVOA_N
ClientSampleId :
MW-25R

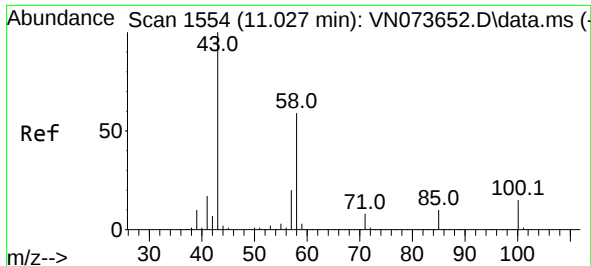
Tgt Ion: 43 Resp: 2160
Ion Ratio Lower Upper
43 100
58 29.4 34.1 51.1#



#52
Toluene
Concen: 0.215 ug/l
RT: 10.451 min Scan# 1456
Delta R.T. 0.006 min
Lab File: VN073691.D
Acq: 02 Aug 2022 16:50

Tgt Ion: 92 Resp: 2094
Ion Ratio Lower Upper
92 100
91 183.5 138.6 207.8

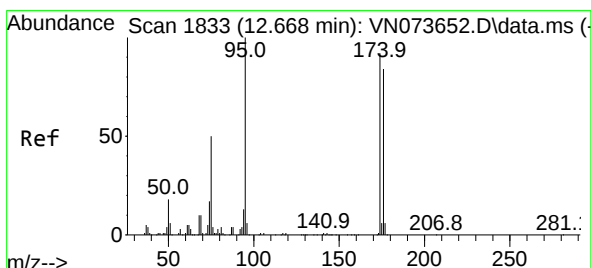
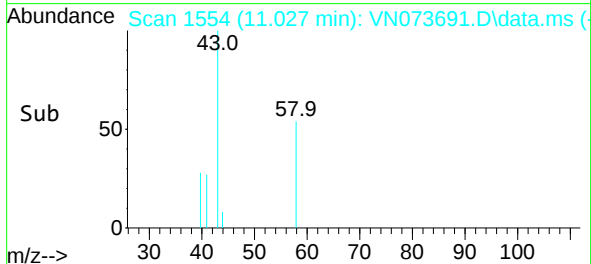
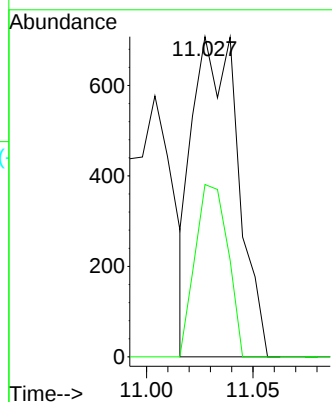
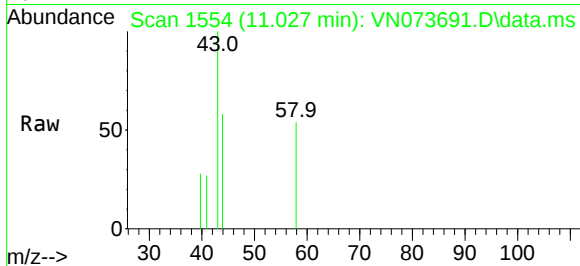




#59
2-Hexanone
Concen: 0.220 ug/l
RT: 11.027 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073691.D
Acq: 02 Aug 2022 16:50

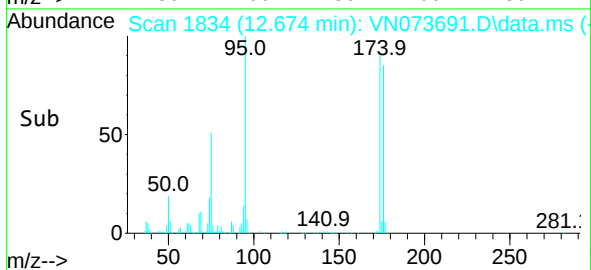
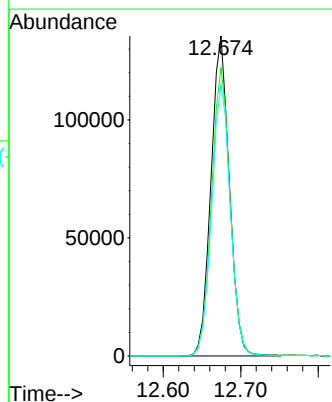
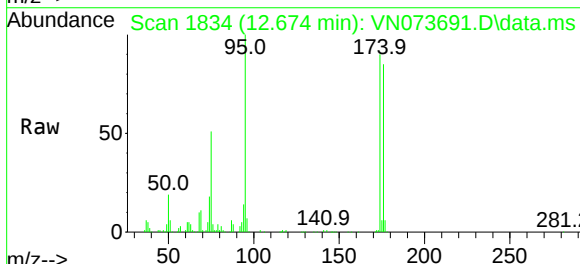
Instrument :
MSVOA_N
ClientSampleId :
MW-25R

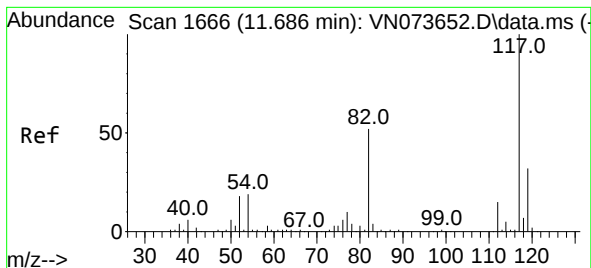
Tgt Ion: 43 Resp: 1046
Ion Ratio Lower Upper
43 100
58 38.8 29.7 89.1



#62
4-Bromofluorobenzene
Concen: 49.279 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073691.D
Acq: 02 Aug 2022 16:50

Tgt Ion: 95 Resp: 222780
Ion Ratio Lower Upper
95 100
174 91.3 0.0 167.6
176 86.5 0.0 163.4

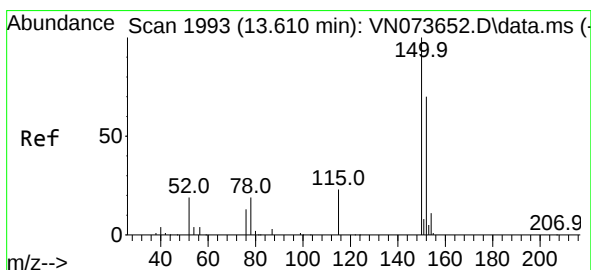
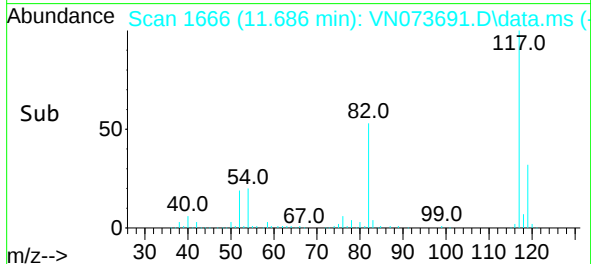
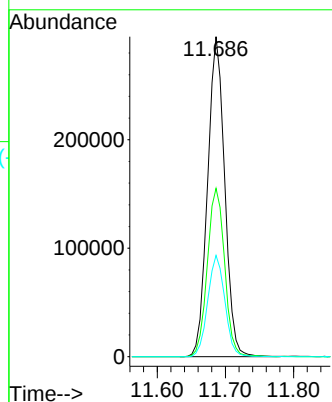
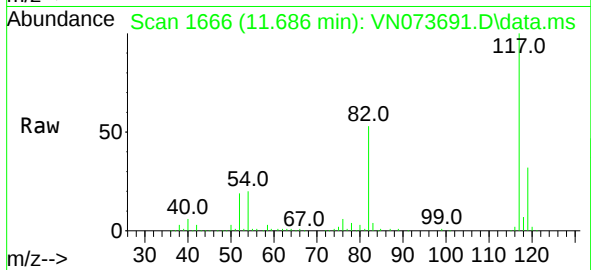




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073691.D
Acq: 02 Aug 2022 16:50

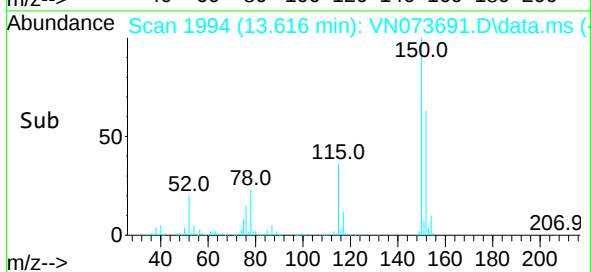
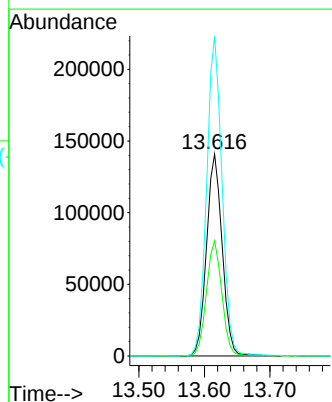
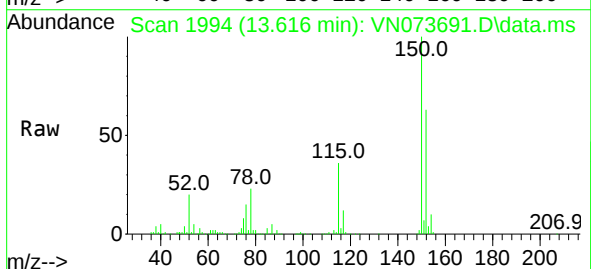
Instrument :
MSVOA_N
ClientSampleId :
MW-25R

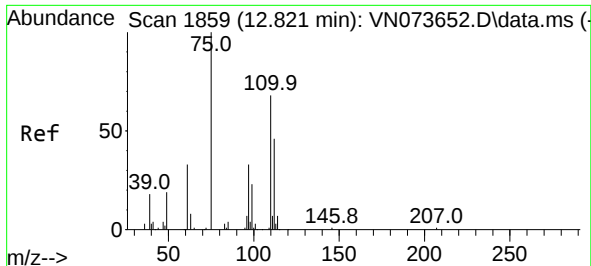
Tgt Ion:117 Resp: 514758
Ion Ratio Lower Upper
117 100
82 52.6 44.2 66.2
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073691.D
Acq: 02 Aug 2022 16:50

Tgt Ion:152 Resp: 234333
Ion Ratio Lower Upper
152 100
115 56.2 28.9 86.7
150 155.8 0.0 356.2

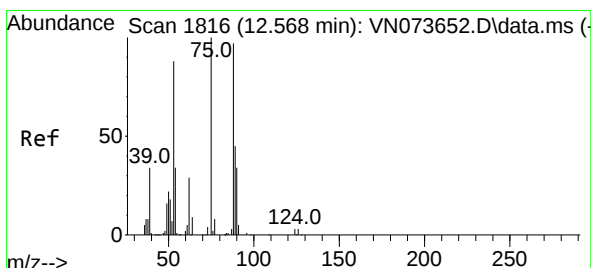
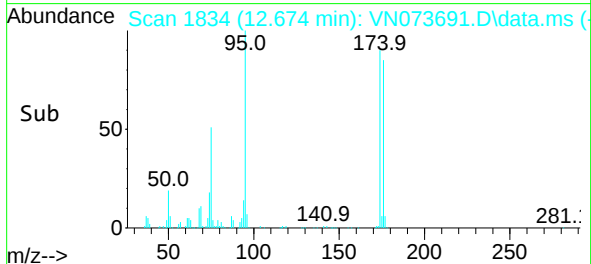
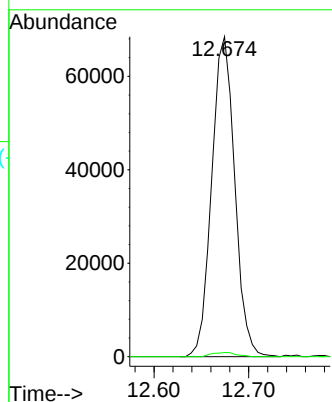
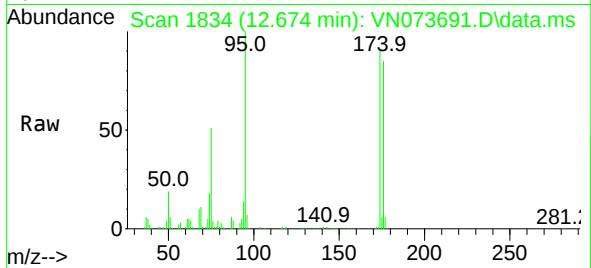




#76
1,2,3-Trichloropropane
Concen: 25.344 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073691.D
Acq: 02 Aug 2022 16:50

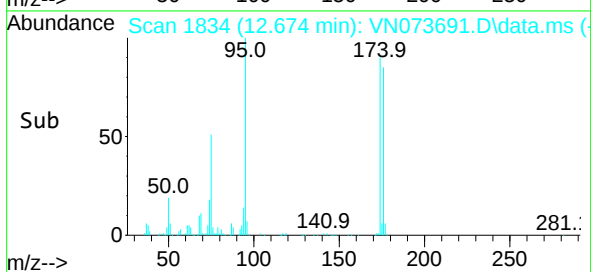
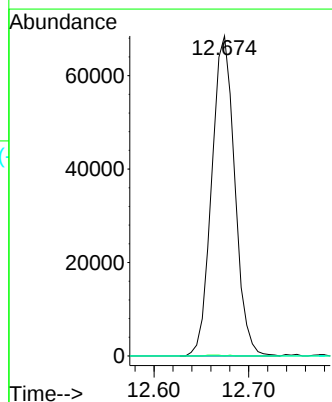
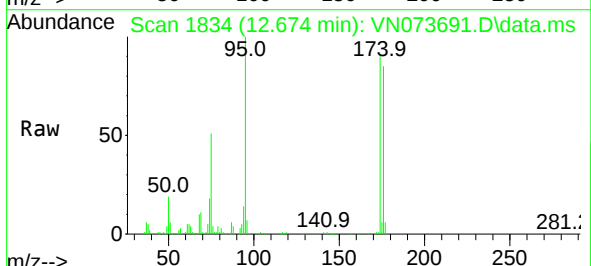
Instrument :
MSVOA_N
ClientSampleId :
MW-25R

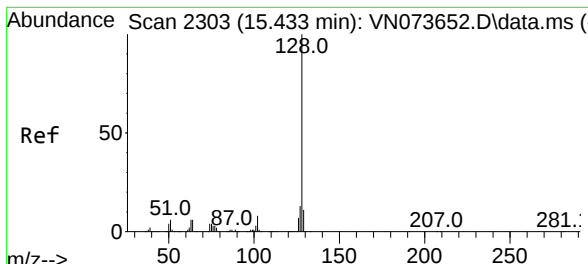
Tgt Ion: 75 Resp: 115622
Ion Ratio Lower Upper
75 100
77 1.4 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.942 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073691.D
Acq: 02 Aug 2022 16:50

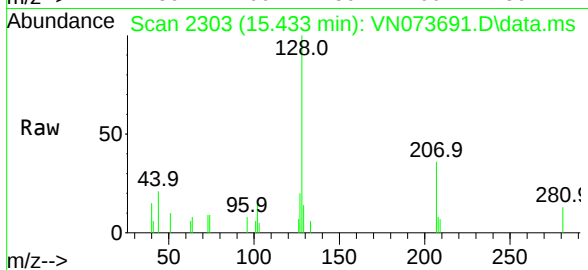
Tgt Ion: 75 Resp: 115622
Ion Ratio Lower Upper
75 100
53 0.2 78.0 117.0#
89 0.0 37.2 55.8#





#95
 Naphthalene
 Concen: 0.511 ug/l
 RT: 15.433 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN073691.D
 Acq: 02 Aug 2022 16:50

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-25R



Tgt Ion:	128	Resp:	6798
Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.3	15.5
129	8.7	8.6	13.0

