

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080222\
 Data File : VN073692.D
 Acq On : 02 Aug 2022 17:15
 Operator : JC\MD
 Sample : N3971-18
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-26R

Quant Time: Aug 03 02:08:46 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

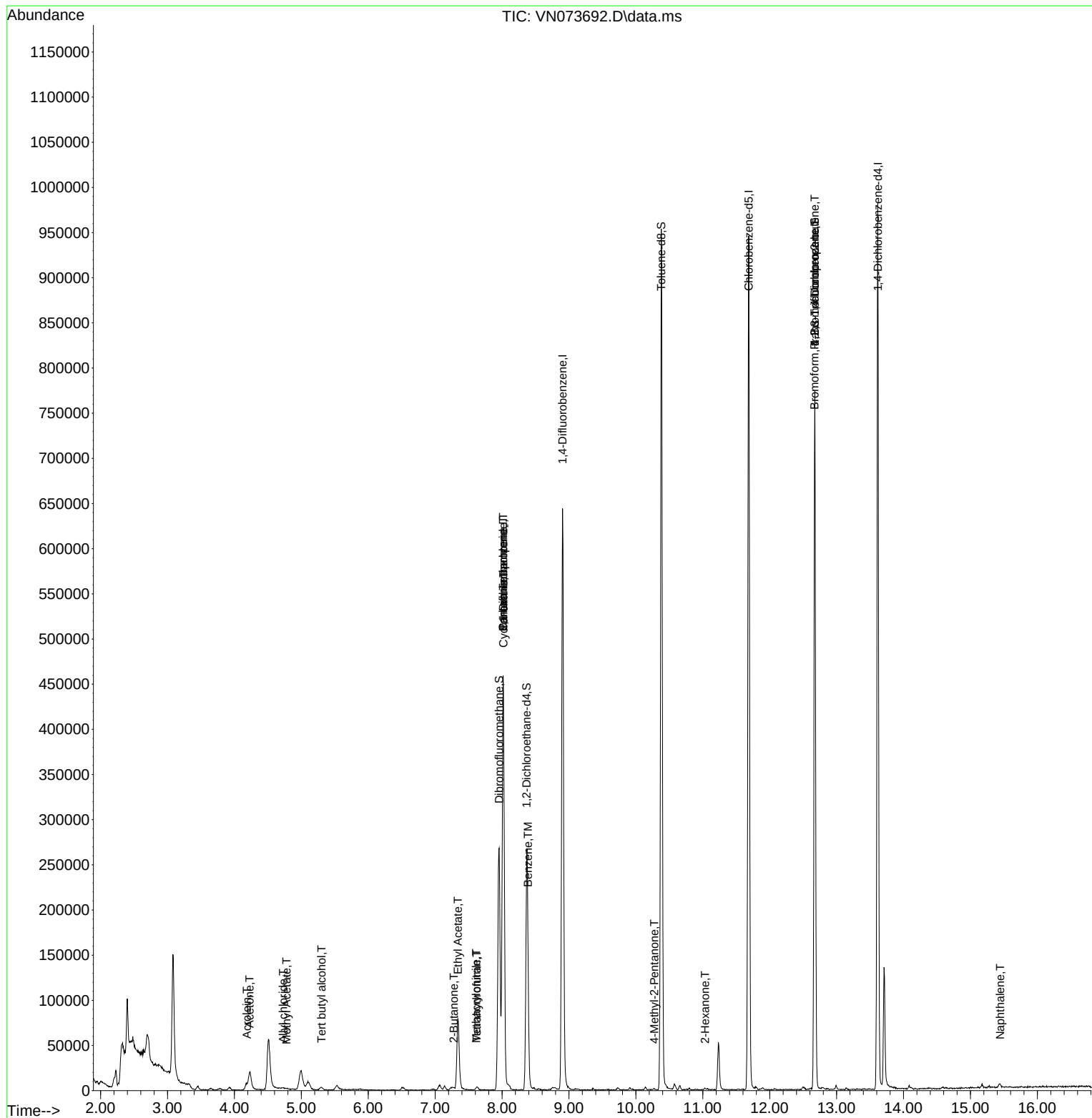
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.016	168	362255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	585864	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	564248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	269556	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	214080	48.493	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.980%
35) Dibromofluoromethane	7.957	113	200621	54.534	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	109.060%
50) Toluene-d8	10.380	98	669836	46.270	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	92.540%
62) 4-Bromofluorobenzene	12.674	95	248119	51.085	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.160%
Target Compounds						
					Qvalue	
3) Chloromethane	2.269	50	1062	Below Cal	#	88
11) Tert butyl alcohol	5.304	59	4376	4.596	ug/l #	72
13) Acrolein	4.187	56	1128	1.195	ug/l	84
14) Allyl chloride	4.728	41	2082	0.379	ug/l #	36
16) Acetone	4.228	43	40711	17.169	ug/l	91
18) Methyl Acetate	4.781	43	1418	0.240	ug/l #	57
20) Methylene Chloride	4.998	84	1436	Below Cal	#	57
25) 2-Butanone	7.281	43	3667	0.996	ug/l	89
29) Tetrahydrofuran	7.622	42	2554	1.097	ug/l	96
31) Cyclohexane	8.022	56	9125	1.388	ug/l #	23
36) 1,1-Dichloropropene	8.016	75	27423	5.230	ug/l #	48
37) Ethyl Acetate	7.339	43	118877	17.216	ug/l	98
38) Carbon Tetrachloride	8.016	117	33297	6.253	ug/l #	16
40) Benzene	8.386	78	16444	0.966	ug/l	96
41) Methacrylonitrile	7.616	41	1587	0.508	ug/l #	39
51) 4-Methyl-2-Pentanone	10.275	43	1578	0.236	ug/l #	57
59) 2-Hexanone	11.033	43	1762	0.348	ug/l #	55
71) Bromoform	12.669	173	1128	0.318	ug/l #	28
76) 1,2,3-Trichloropropane	12.674	75	129408	24.566	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	129408	62.215	ug/l #	10
95) Naphthalene	15.445	128	5411	0.353	ug/l #	86

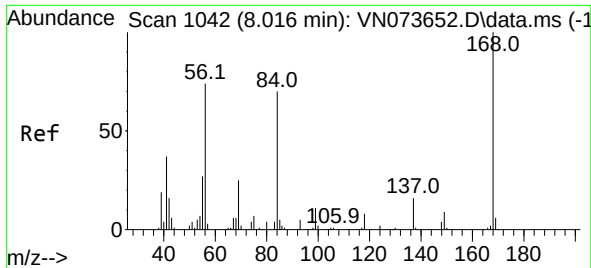
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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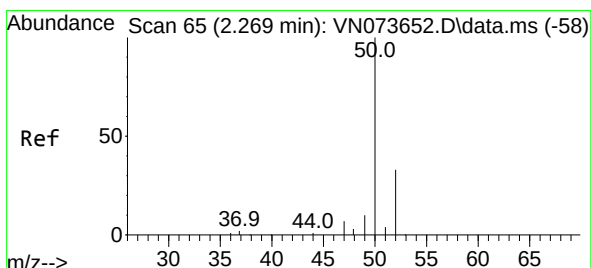
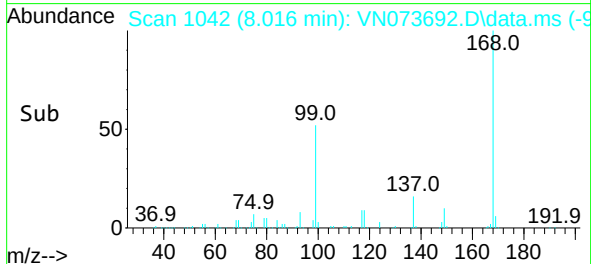
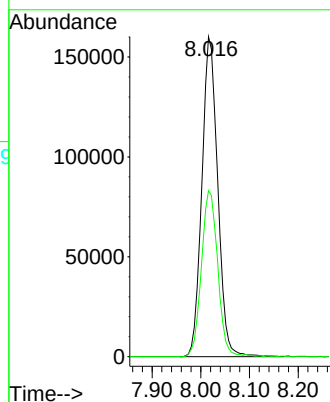
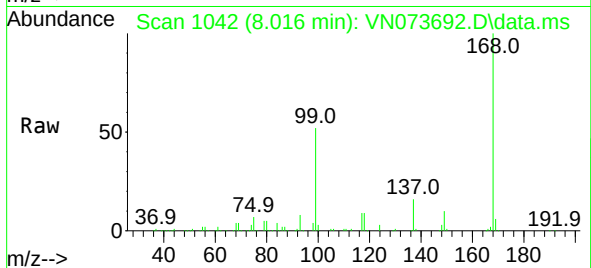




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN073692.D
Acq: 02 Aug 2022 17:15

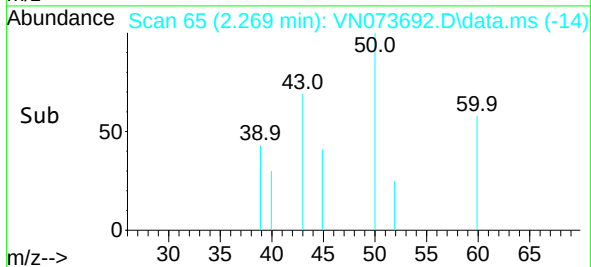
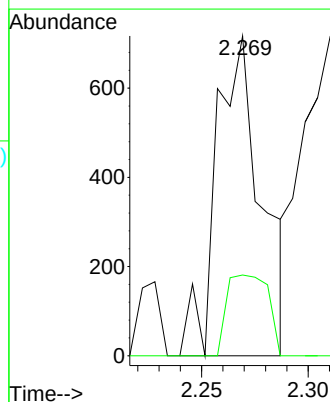
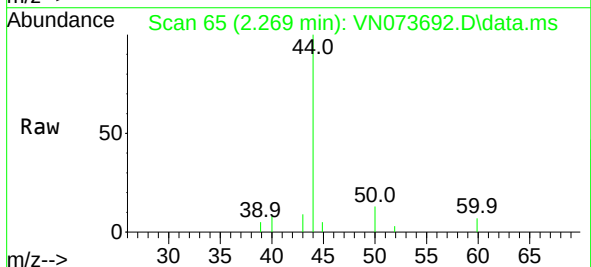
Instrument :
MSVOA_N
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MW-26R

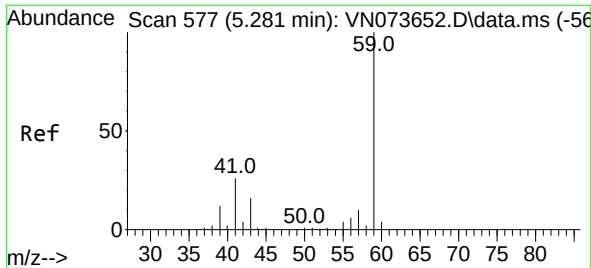
Tgt Ion:168 Resp: 362255
Ion Ratio Lower Upper
168 100
99 51.9 42.3 63.5



#3
Chloromethane
Concen: Below Cal
RT: 2.269 min Scan# 65
Delta R.T. 0.000 min
Lab File: VN073692.D
Acq: 02 Aug 2022 17:15

Tgt Ion: 50 Resp: 1062
Ion Ratio Lower Upper
50 100
52 25.2 25.7 38.5#

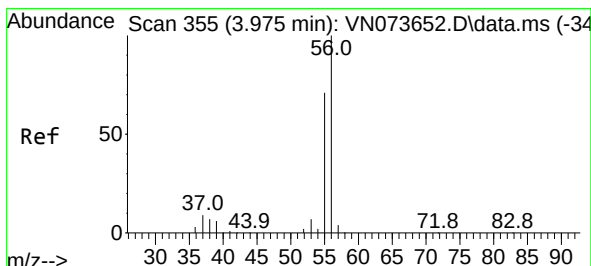
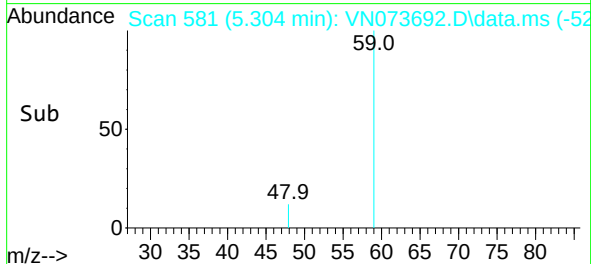
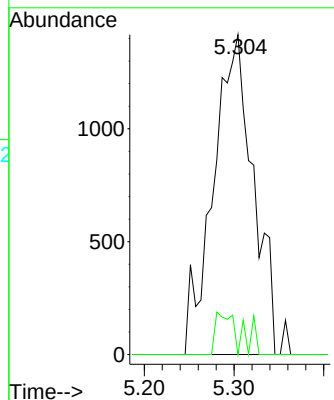
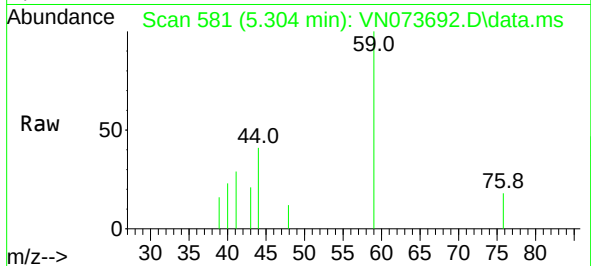




#11
Tert butyl alcohol
Concen: 4.596 ug/l
RT: 5.304 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN073692.D
Acq: 02 Aug 2022 17:15

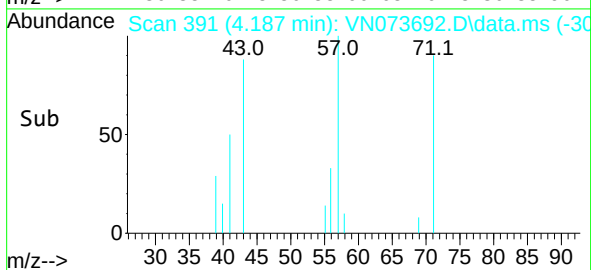
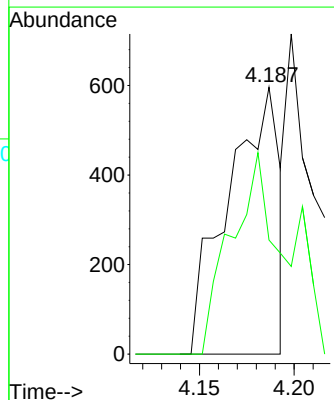
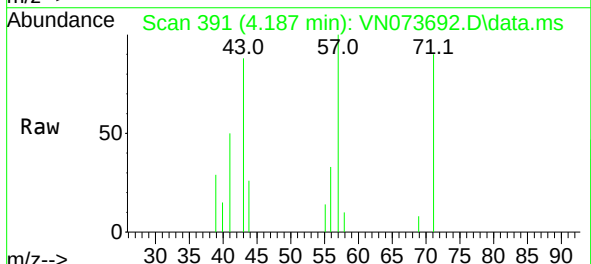
Instrument :
MSVOA_N
ClientSampleId :
MW-26R

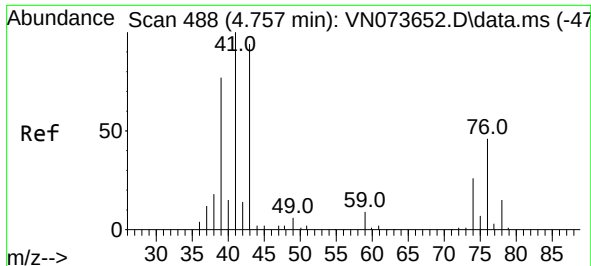
Tgt Ion: 59 Resp: 4376
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 1.195 ug/l
RT: 4.187 min Scan# 391
Delta R.T. 0.206 min
Lab File: VN073692.D
Acq: 02 Aug 2022 17:15

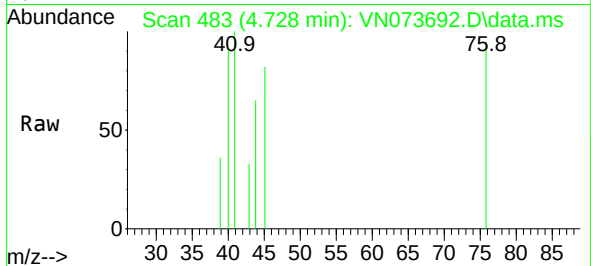
Tgt Ion: 56 Resp: 1128
Ion Ratio Lower Upper
56 100
55 81.6 54.8 82.2



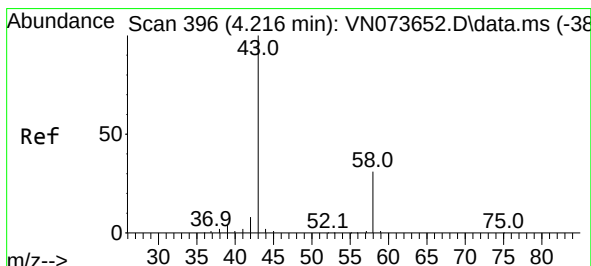
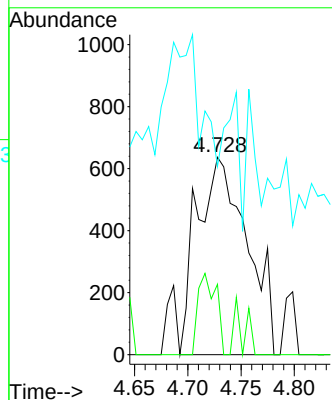
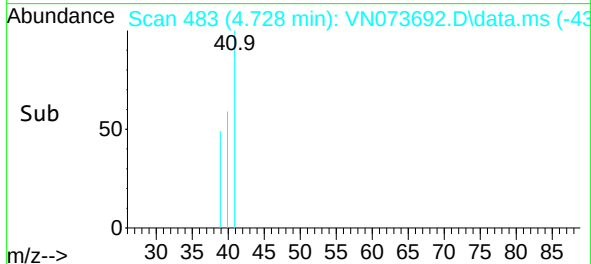


#14
 Allyl chloride
 Concen: 0.379 ug/l
 RT: 4.728 min Scan# 41
 Delta R.T. -0.035 min
 Lab File: VN073692.D
 Acq: 02 Aug 2022 17:15

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-26R

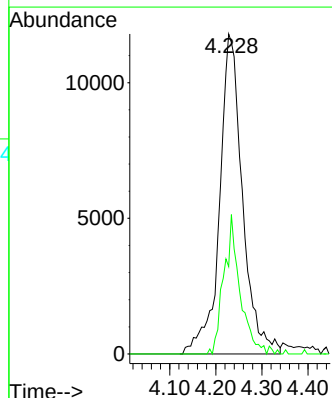
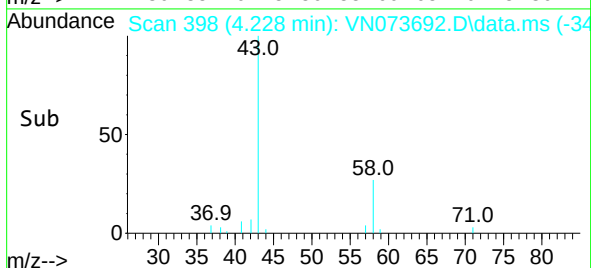
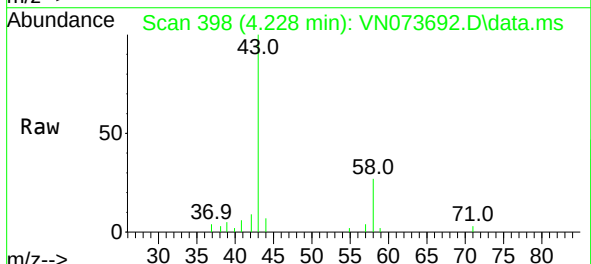


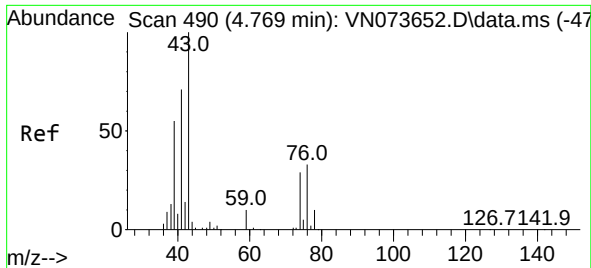
Tgt Ion: 41	Resp: 2082
Ion Ratio	Lower Upper
41	100
39	15.0 53.2 79.8#
76	0.0 29.9 44.9#



#16
 Acetone
 Concen: 17.169 ug/l
 RT: 4.228 min Scan# 398
 Delta R.T. 0.006 min
 Lab File: VN073692.D
 Acq: 02 Aug 2022 17:15

Tgt Ion: 43	Resp: 40711
Ion Ratio	Lower Upper
43	100
58	27.3 26.0 39.0

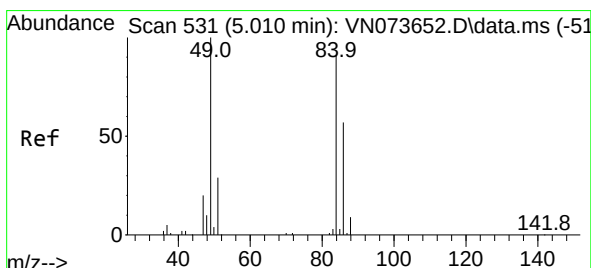
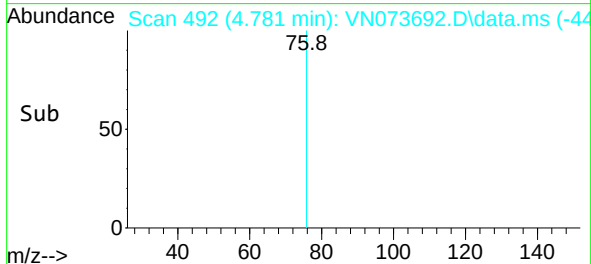
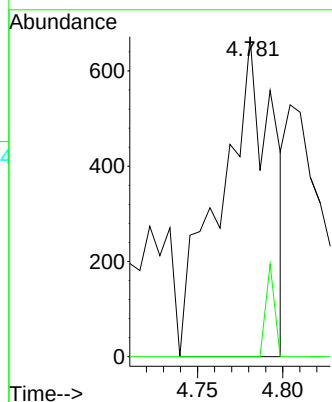
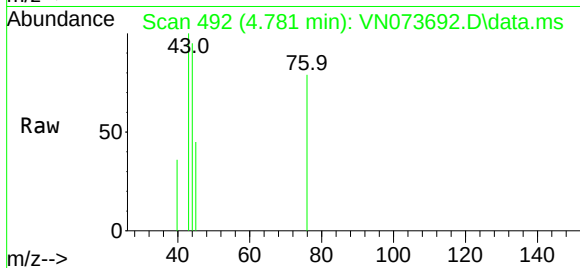




#18
Methyl Acetate
Concen: 0.240 ug/l
RT: 4.781 min Scan# 490
Delta R.T. 0.000 min
Lab File: VN073692.D
Acq: 02 Aug 2022 17:15

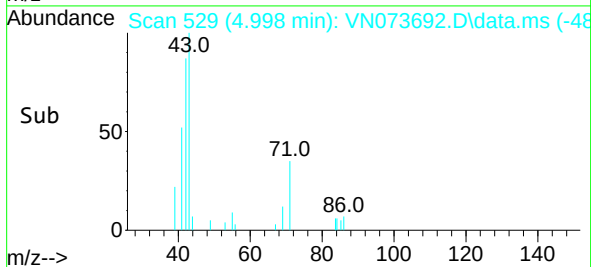
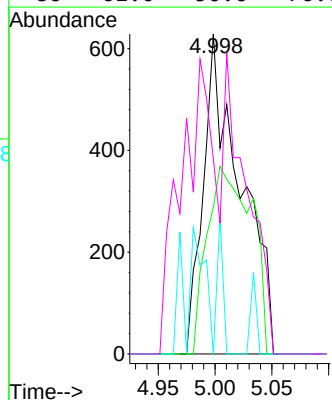
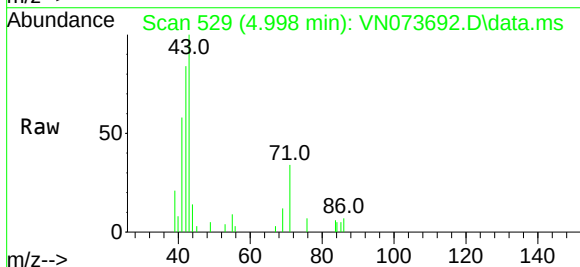
Instrument :
MSVOA_N
ClientSampleId :
MW-26R

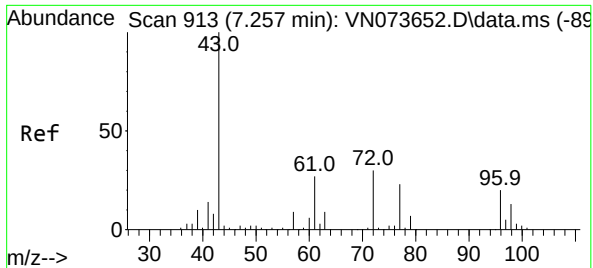
Tgt Ion: 43 Resp: 1418
Ion Ratio Lower Upper
43 100
74 4.9 21.6 32.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.998 min Scan# 529
Delta R.T. -0.012 min
Lab File: VN073692.D
Acq: 02 Aug 2022 17:15

Tgt Ion: 84 Resp: 1436
Ion Ratio Lower Upper
84 100
49 45.8 88.3 132.5#
51 0.0 28.2 42.2#
86 61.0 50.6 76.0

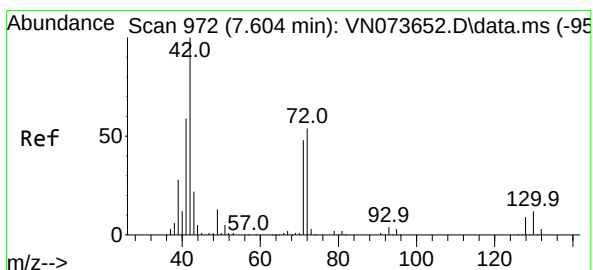
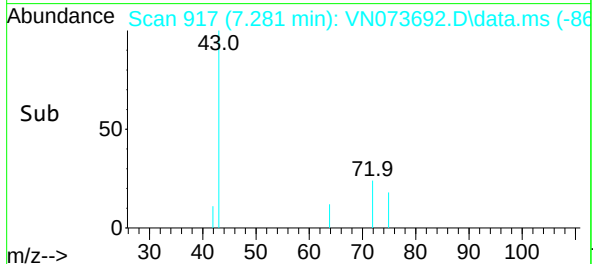
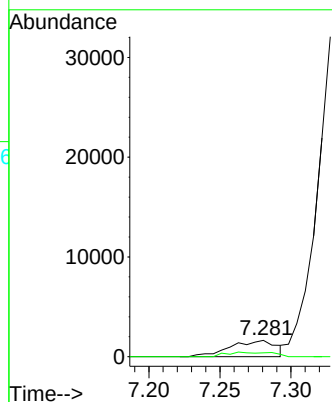
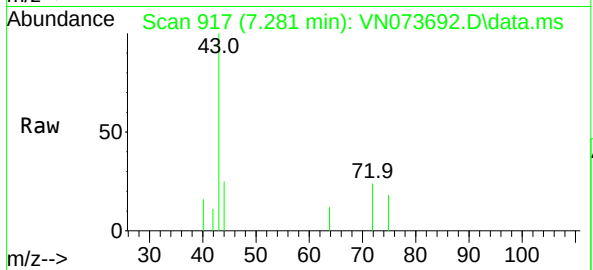




#25
2-Butanone
Concen: 0.996 ug/l
RT: 7.281 min Scan# 917
Delta R.T. 0.024 min
Lab File: VN073692.D
Acq: 02 Aug 2022 17:15

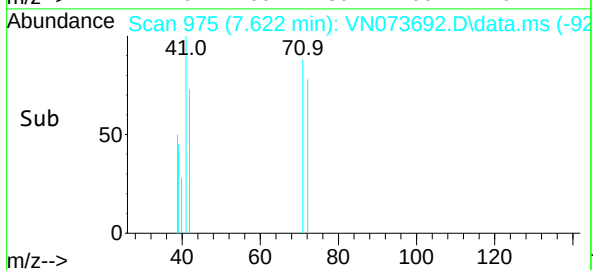
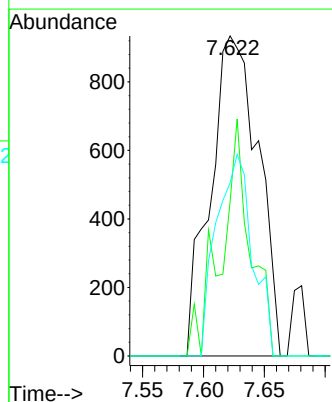
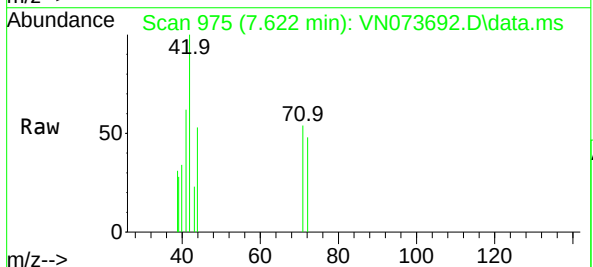
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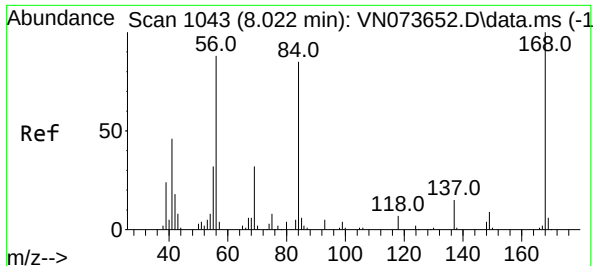
Tgt Ion: 43 Resp: 3667
Ion Ratio Lower Upper
43 100
72 23.9 23.7 35.5



#29
Tetrahydrofuran
Concen: 1.097 ug/l
RT: 7.622 min Scan# 975
Delta R.T. 0.012 min
Lab File: VN073692.D
Acq: 02 Aug 2022 17:15

Tgt Ion: 42 Resp: 2554
Ion Ratio Lower Upper
42 100
72 45.5 39.7 59.5
71 47.7 36.6 55.0

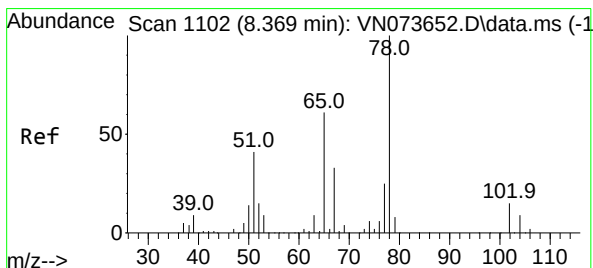
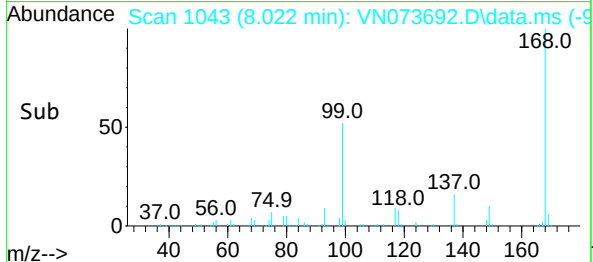
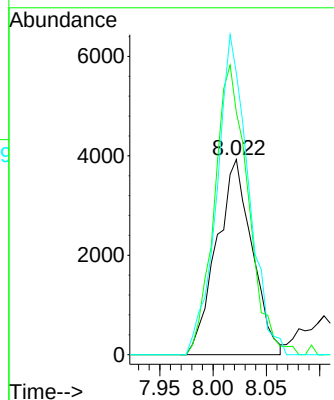
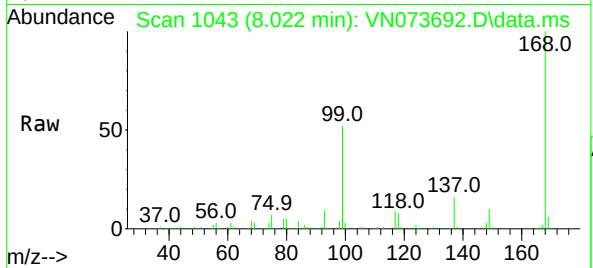




#31
Cyclohexane
Concen: 1.388 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VN073692.D
Acq: 02 Aug 2022 17:15

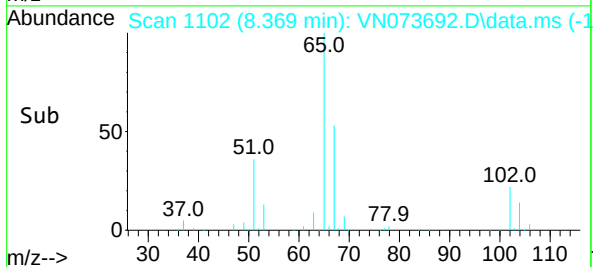
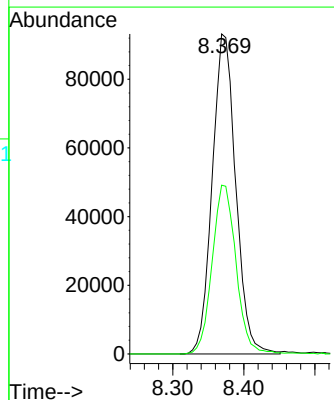
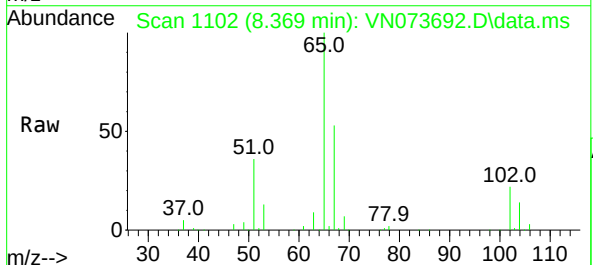
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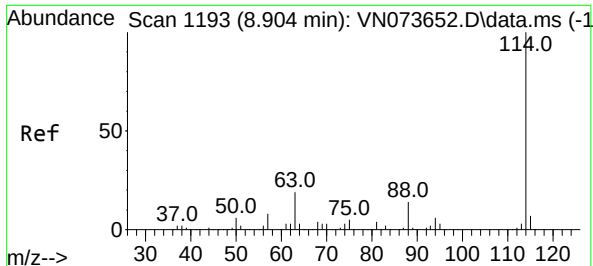
Tgt Ion: 56 Resp: 9125
Ion Ratio Lower Upper
56 100
69 124.0 27.8 41.8#
84 144.2 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 48.493 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. 0.000 min
Lab File: VN073692.D
Acq: 02 Aug 2022 17:15

Tgt Ion: 65 Resp: 214080
Ion Ratio Lower Upper
65 100
67 53.8 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: VN073692.D

Acq: 02 Aug 2022 17:15

Instrument :

MSVOA_N

ClientSampleId :

MW-26R

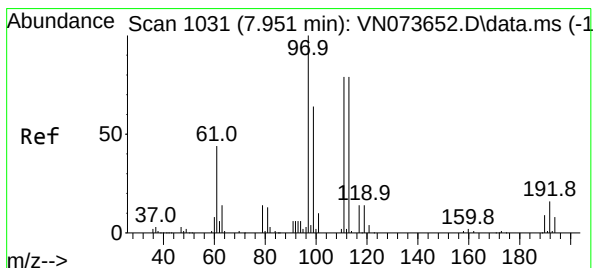
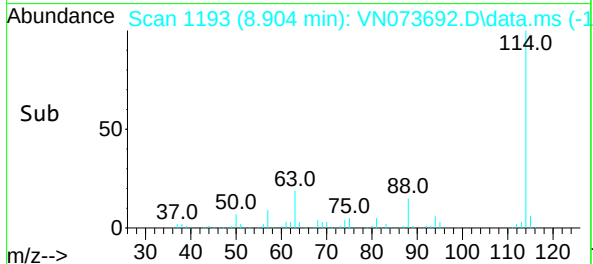
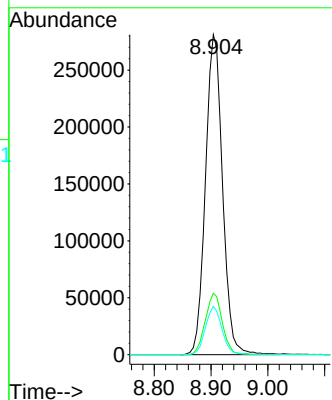
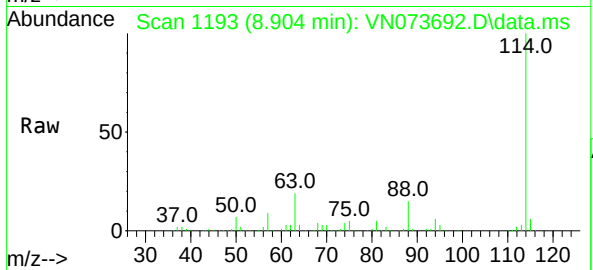
Tgt Ion:114 Resp: 585864

Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 15.1 0.0 32.6



#35

Dibromofluoromethane

Concen: 54.534 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN073692.D

Acq: 02 Aug 2022 17:15

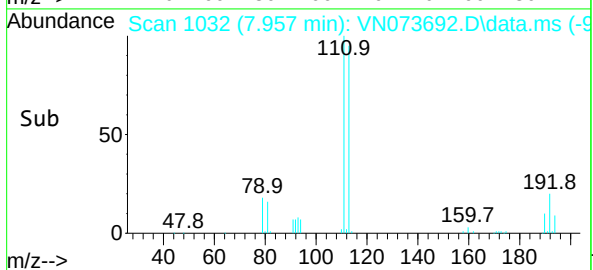
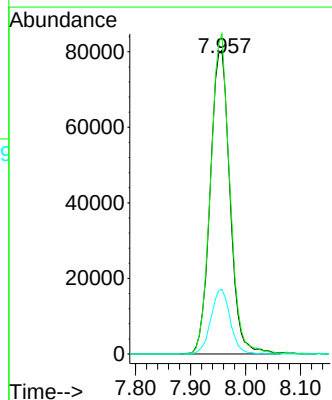
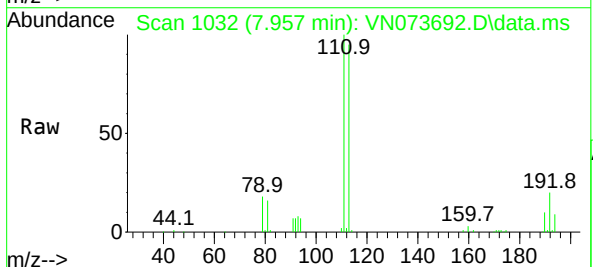
Tgt Ion:113 Resp: 200621

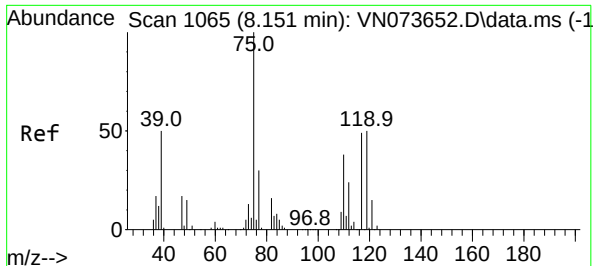
Ion Ratio Lower Upper

113 100

111 102.6 81.4 122.0

192 20.8 17.0 25.6





#36

1,1-Dichloropropene

Concen: 5.230 ug/l

RT: 8.016 min Scan# 1

Delta R.T. -0.135 min

Lab File: VN073692.D

Acq: 02 Aug 2022 17:15

Instrument :

MSVOA_N

ClientSampleId :

MW-26R

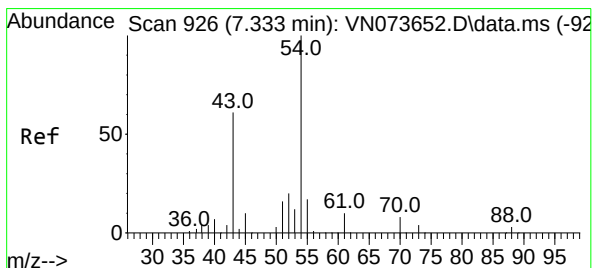
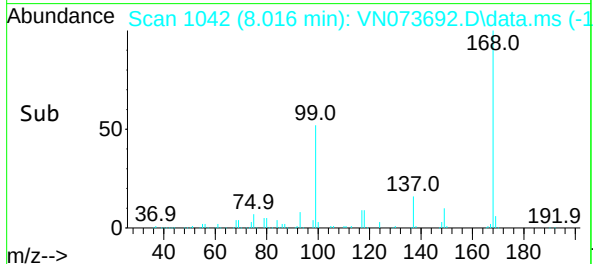
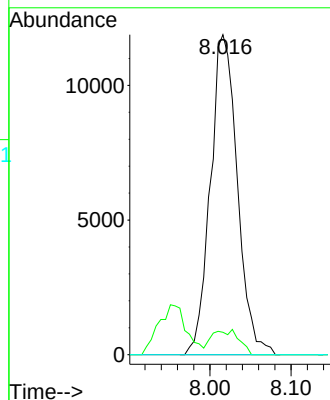
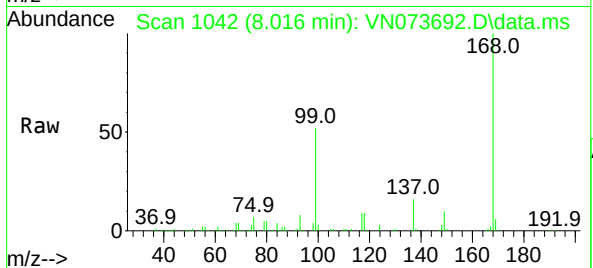
Tgt Ion: 75 Resp: 27423

Ion Ratio Lower Upper

75 100

110 7.8 18.3 54.8#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: 17.216 ug/l

RT: 7.339 min Scan# 927

Delta R.T. 0.000 min

Lab File: VN073692.D

Acq: 02 Aug 2022 17:15

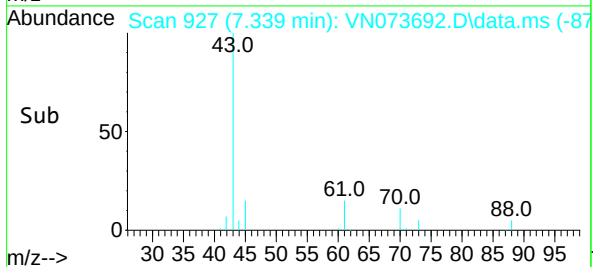
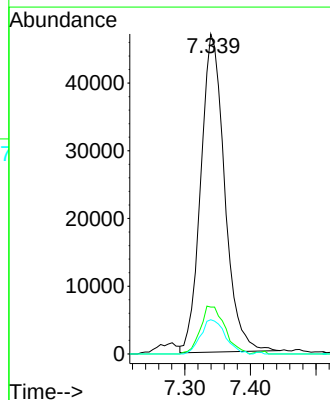
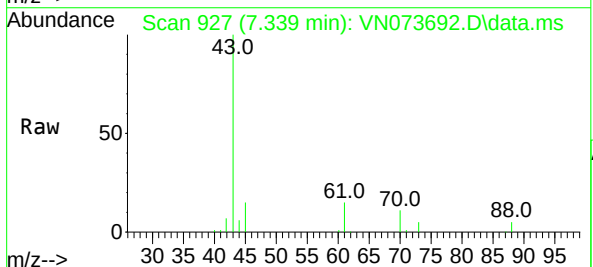
Tgt Ion: 43 Resp: 118877

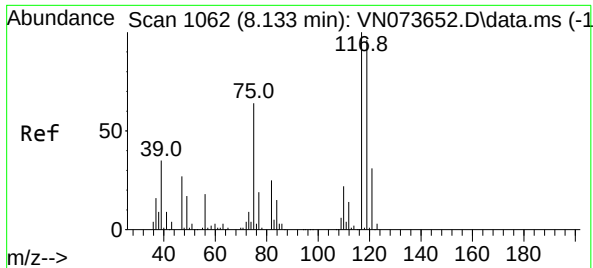
Ion Ratio Lower Upper

43 100

61 15.4 11.8 17.6

70 11.1 9.3 13.9

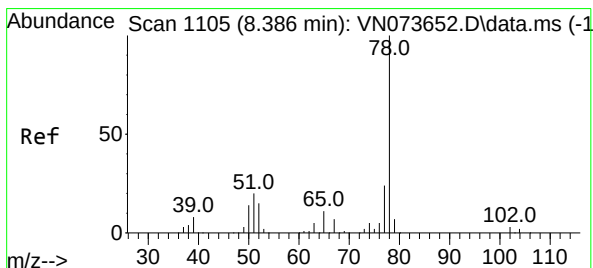
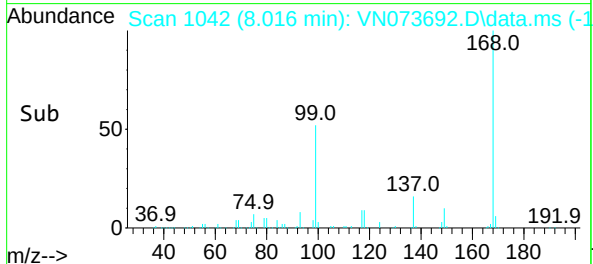
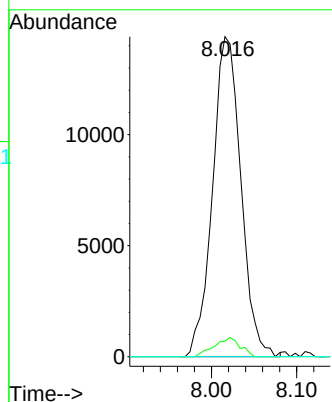
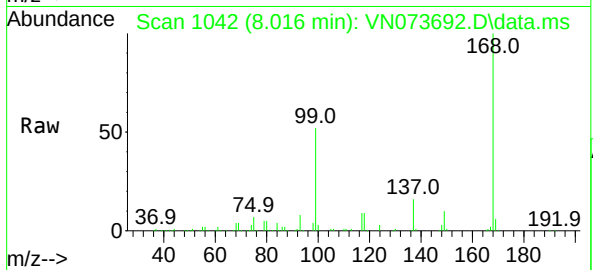




#38
Carbon Tetrachloride
Concen: 6.253 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.118 min
Lab File: VN073692.D
Acq: 02 Aug 2022 17:15

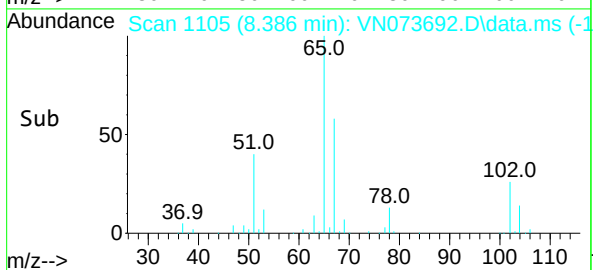
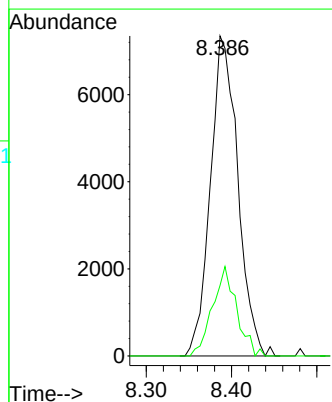
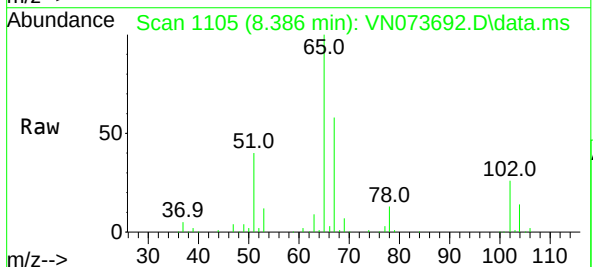
Instrument :
MSVOA_N
ClientSampleId :
MW-26R

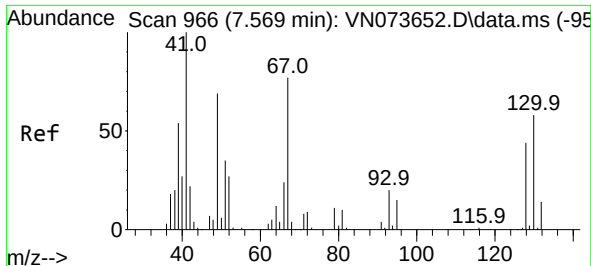
Tgt Ion:117 Resp: 33297
Ion Ratio Lower Upper
117 100
119 4.9 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.966 ug/l
RT: 8.386 min Scan# 1105
Delta R.T. -0.006 min
Lab File: VN073692.D
Acq: 02 Aug 2022 17:15

Tgt Ion: 78 Resp: 16444
Ion Ratio Lower Upper
78 100
77 22.0 19.4 29.0

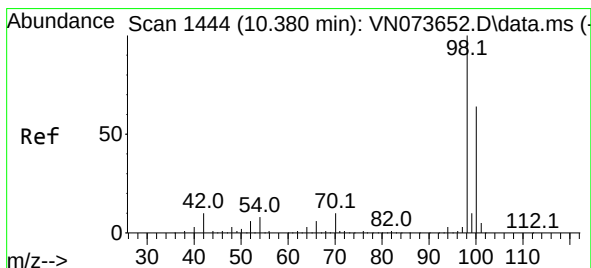
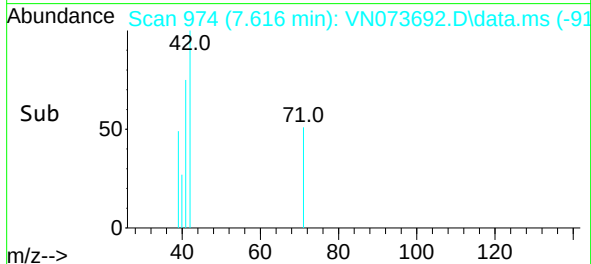
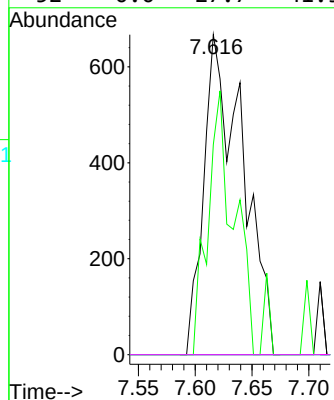
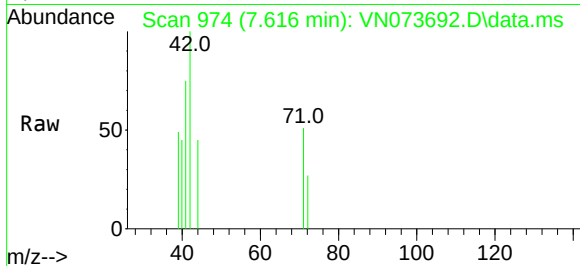




#41
Methacrylonitrile
Concen: 0.508 ug/l
RT: 7.616 min Scan# 91
Delta R.T. 0.053 min
Lab File: VN073692.D
Acq: 02 Aug 2022 17:15

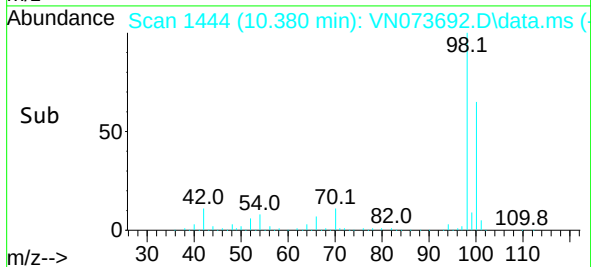
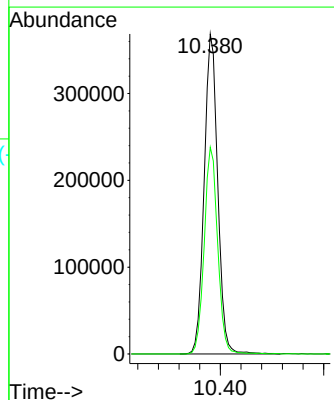
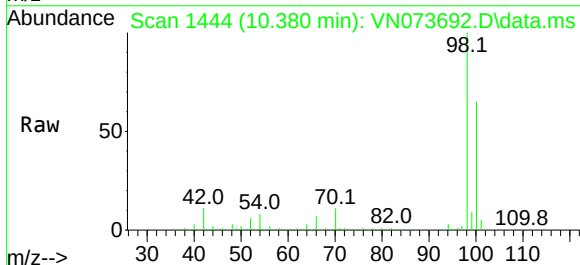
Instrument :
MSVOA_N
ClientSampleId :
MW-26R

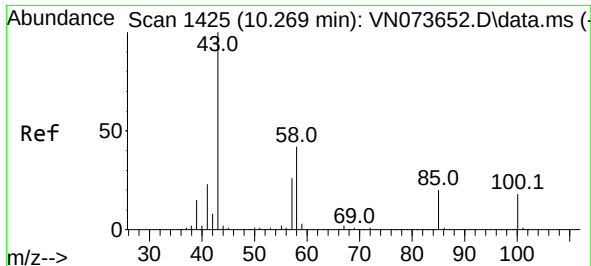
Tgt Ion: 41	Resp: 1587
Ion Ratio	Lower Upper
41 100	
39 55.4	48.6 73.0
67 0.0	73.4 110.2#
52 0.0	27.7 41.5#



#50
Toluene-d8
Concen: 46.270 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073692.D
Acq: 02 Aug 2022 17:15

Tgt Ion: 98	Resp: 669836
Ion Ratio	Lower Upper
98 100	
100 64.2	52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 0.236 ug/l

RT: 10.275 min Scan# 1425

Delta R.T. -0.000 min

Lab File: VN073692.D

Acq: 02 Aug 2022 17:15

Instrument :

MSVOA_N

ClientSampleId :

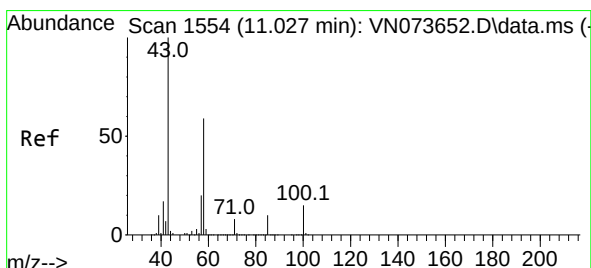
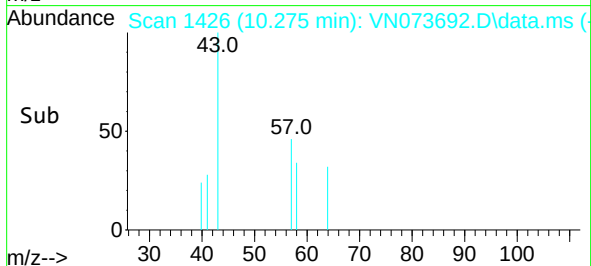
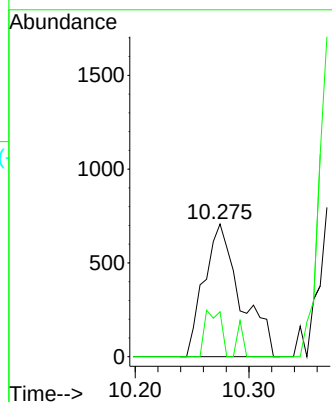
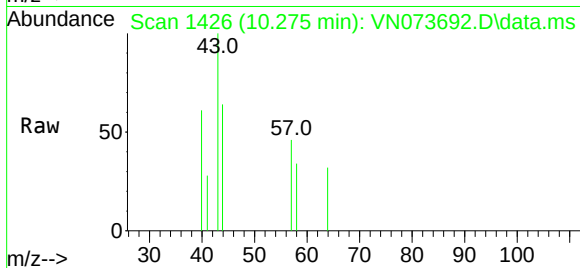
MW-26R

Tgt Ion: 43 Resp: 1578

Ion Ratio Lower Upper

43 100

58 15.5 34.1 51.1#



#59

2-Hexanone

Concen: 0.348 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN073692.D

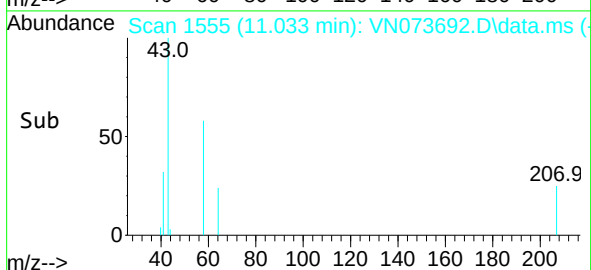
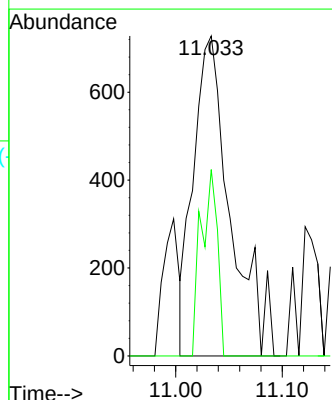
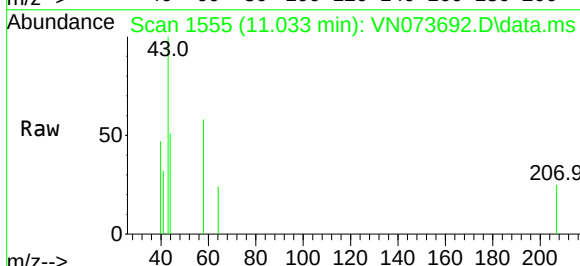
Acq: 02 Aug 2022 17:15

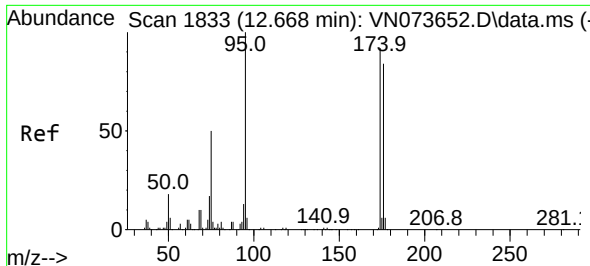
Tgt Ion: 43 Resp: 1762

Ion Ratio Lower Upper

43 100

58 25.8 29.7 89.1#

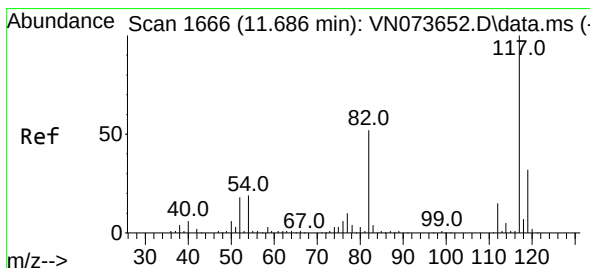
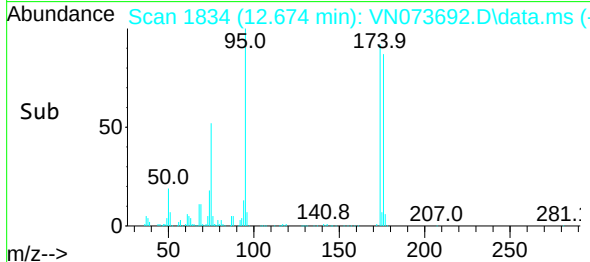
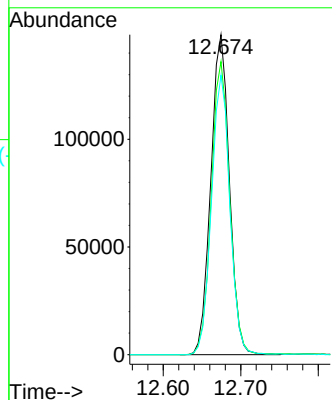
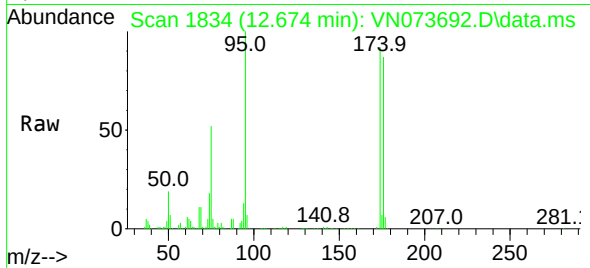




#62
4-Bromofluorobenzene
Concen: 51.085 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN073692.D
Acq: 02 Aug 2022 17:15

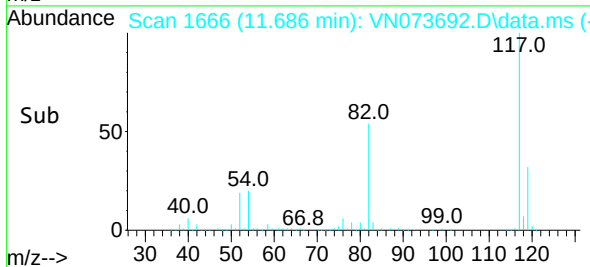
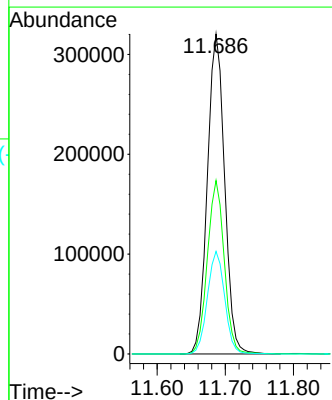
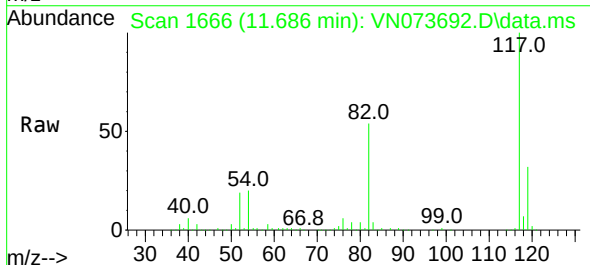
Instrument :
MSVOA_N
ClientSampleId :
MW-26R

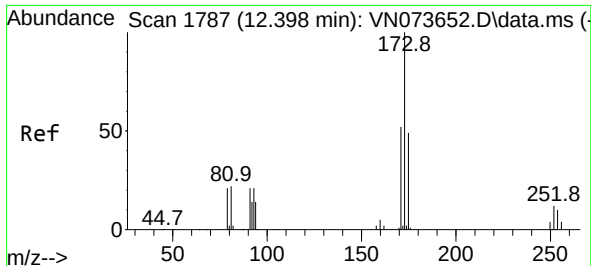
Tgt Ion: 95 Resp: 248119
Ion Ratio Lower Upper
95 100
174 90.4 0.0 167.6
176 86.0 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073692.D
Acq: 02 Aug 2022 17:15

Tgt Ion: 117 Resp: 564248
Ion Ratio Lower Upper
117 100
82 54.2 44.2 66.2
119 32.1 25.4 38.0

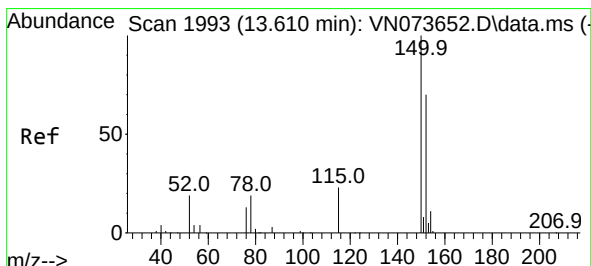
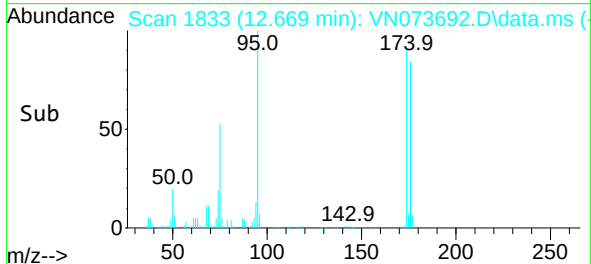
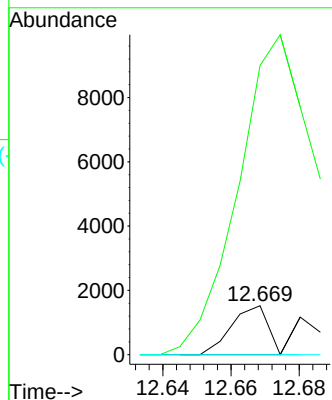
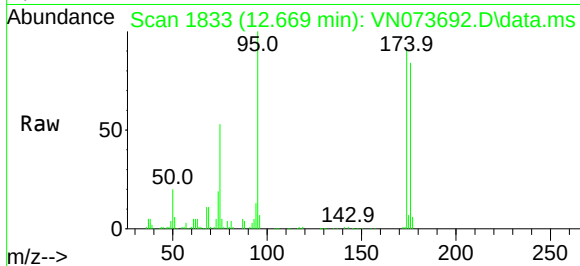




#71
Bromoform
Concen: 0.318 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN073692.D
Acq: 02 Aug 2022 17:15

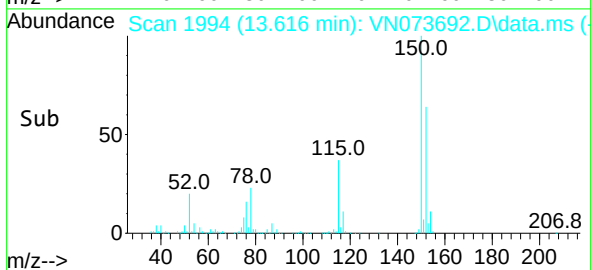
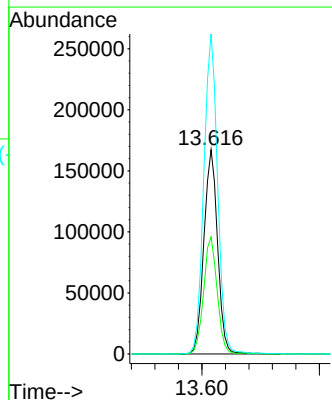
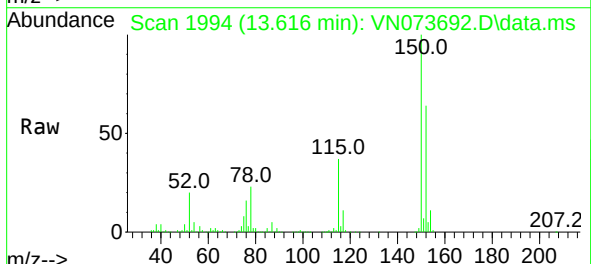
Instrument :
MSVOA_N
ClientSampleId :
MW-26R

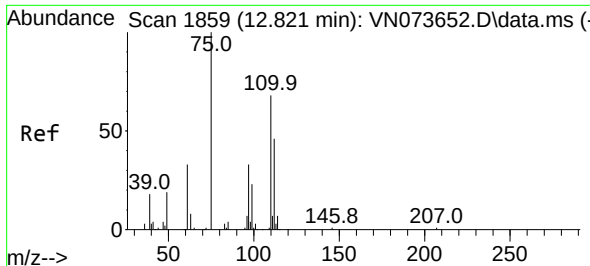
Tgt Ion:173 Resp: 1128
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.616 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073692.D
Acq: 02 Aug 2022 17:15

Tgt Ion:152 Resp: 269556
Ion Ratio Lower Upper
152 100
115 56.5 28.9 86.7
150 157.5 0.0 356.2

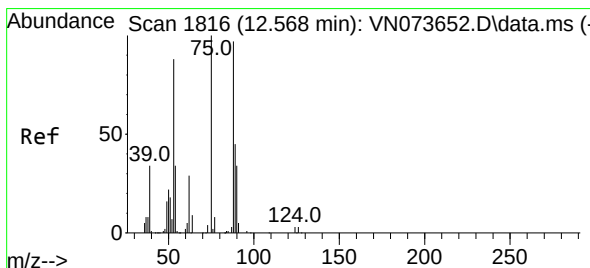
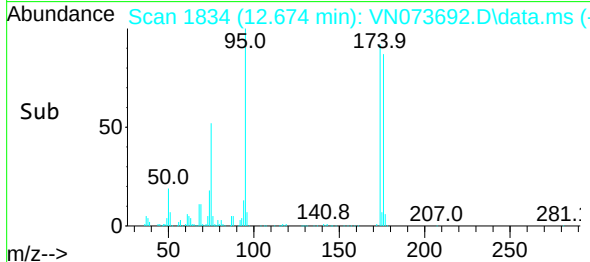
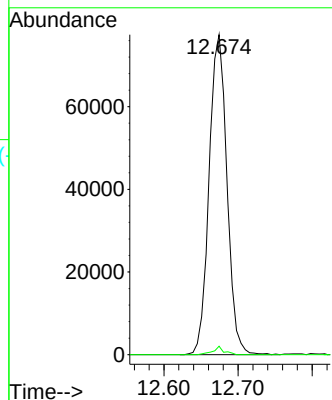
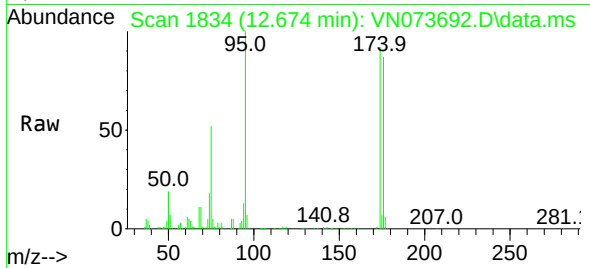




#76
1,2,3-Trichloropropane
Concen: 24.566 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073692.D
Acq: 02 Aug 2022 17:15

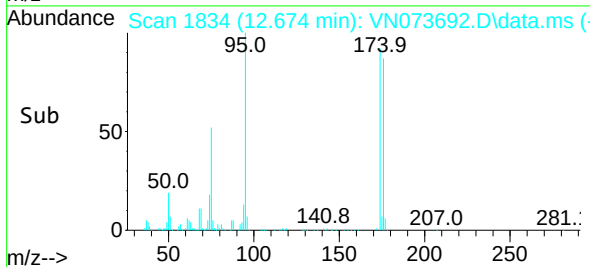
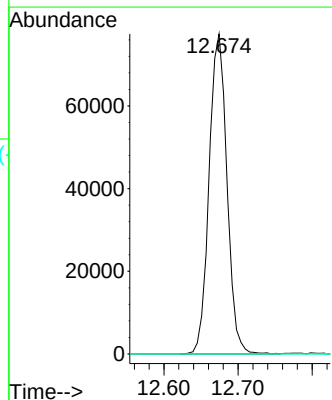
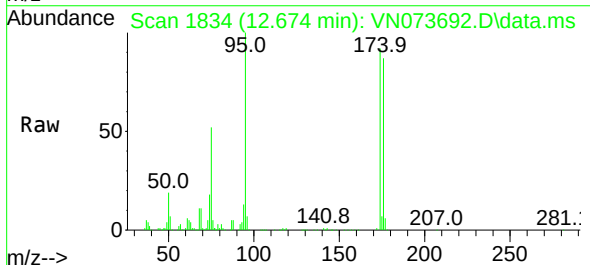
Instrument :
MSVOA_N
ClientSampleId :
MW-26R

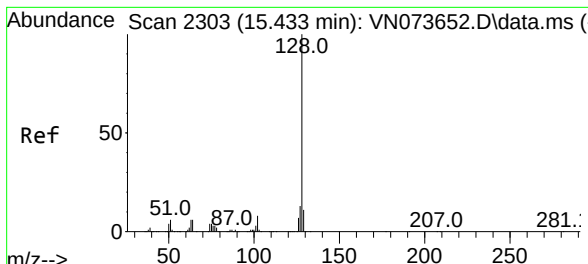
Tgt Ion: 75 Resp: 129408
Ion Ratio Lower Upper
75 100
77 1.6 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.215 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073692.D
Acq: 02 Aug 2022 17:15

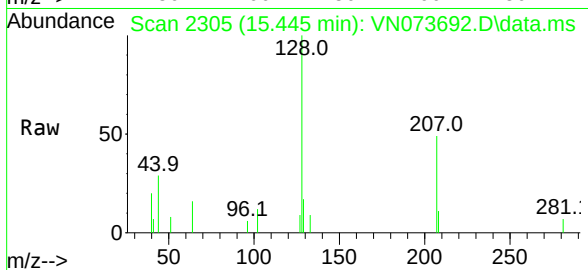
Tgt Ion: 75 Resp: 129408
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 0.353 ug/l
RT: 15.445 min Scan# 21
Delta R.T. 0.012 min
Lab File: VN073692.D
Acq: 02 Aug 2022 17:15

Instrument :
MSVOA_N
ClientSampleId :
MW-26R



Tgt Ion:	128	Resp:	5411
Ion	Ratio	Lower	Upper
128	100		
127	7.2	10.3	15.5#
129	5.5	8.6	13.0#

