

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090322\
 Data File : VN074339.D
 Acq On : 04 Sep 2022 00:14
 Operator : JC\MD
 Sample : N4355-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-37

Quant Time: Sep 05 05:43:26 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N090222W.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 03 04:35:33 2022
 Response via : Initial Calibration

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

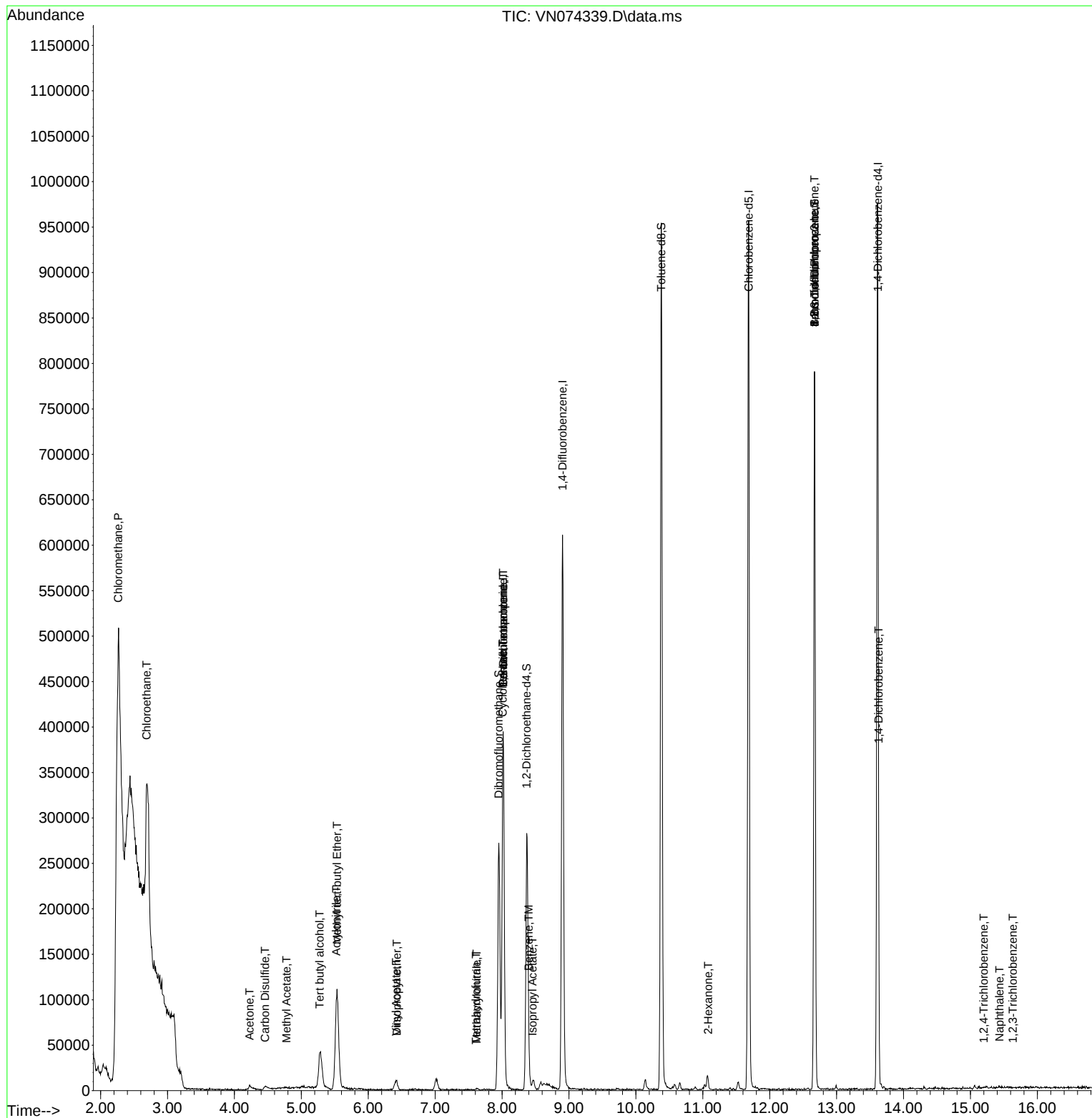
Internal Standards						
1) Pentafluorobenzene	8.016	168	283564	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	529603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	525605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	243936	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	213772	48.362	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	96.720%		
35) Dibromofluoromethane	7.951	113	191034	54.435	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	108.860%		
50) Toluene-d8	10.380	98	636549	45.999	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.000%		
62) 4-Bromofluorobenzene	12.668	95	240254	47.592	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	95.180%		
Target Compounds					Qvalue	
3) Chloromethane	2.263	50	34351	8.867	ug/l #	43
6) Chloroethane	2.687	64	401150	70.656	ug/l #	49
11) Tert butyl alcohol	5.275	59	65285	81.409	ug/l	98
15) Acrylonitrile	5.522	53	2233	1.012	ug/l #	26
16) Acetone	4.228	43	8256	4.469	ug/l #	49
17) Carbon Disulfide	4.457	76	3629	0.521	ug/l #	92
18) Methyl Acetate	4.781	43	1893	0.340	ug/l #	71
19) Methyl tert-butyl Ether	5.534	73	178789	16.160	ug/l	92
20) Methylene Chloride	5.004	84	557	Below Cal	#	48
22) Diisopropyl ether	6.428	45	12035	1.142	ug/l #	87
23) Vinyl Acetate	6.416	43	6841	0.747	ug/l #	68
29) Tetrahydrofuran	7.610	42	1038	0.521	ug/l #	43
31) Cyclohexane	8.010	56	8075	1.368	ug/l #	66
36) 1,1-Dichloropropene	8.016	75	25688	5.157	ug/l #	48
38) Carbon Tetrachloride	8.016	117	30922	6.145	ug/l #	17
40) Benzene	8.398	78	25041	1.594	ug/l	96
41) Methacrylonitrile	7.622	41	600	0.205	ug/l #	14
43) Isopropyl Acetate	8.457	43	2055	0.217	ug/l #	53
59) 2-Hexanone	11.080	43	1461	0.291	ug/l	89
71) Bromoform	12.668	173	2539	0.821	ug/l #	1
76) 1,2,3-Trichloropropane	12.668	75	139578	20.203	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.668	75	139578	65.584	ug/l #	11
88) 1,4-Dichlorobenzene	13.627	146	432	0.215	ug/l #	26
93) 1,2,4-Trichlorobenzene	15.198	180	74	0.871	ug/l #	12
95) Naphthalene	15.433	128	1244	0.833	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.633	180	146	0.444	ug/l #	12

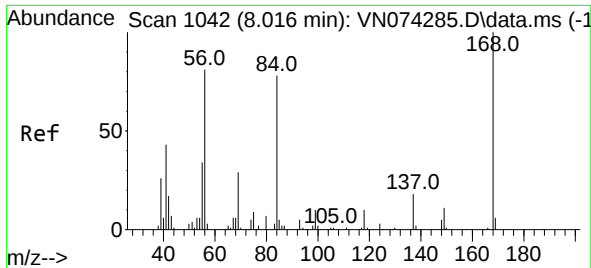
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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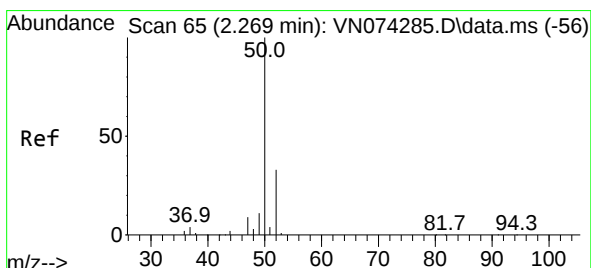
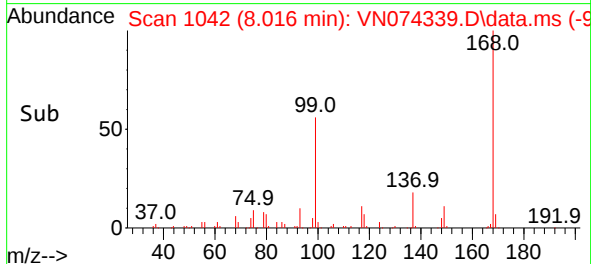
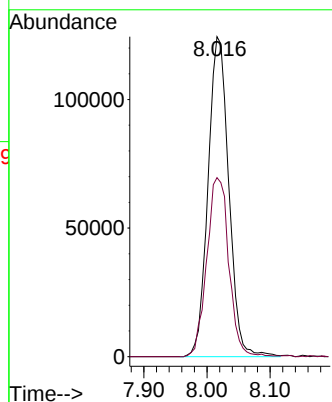
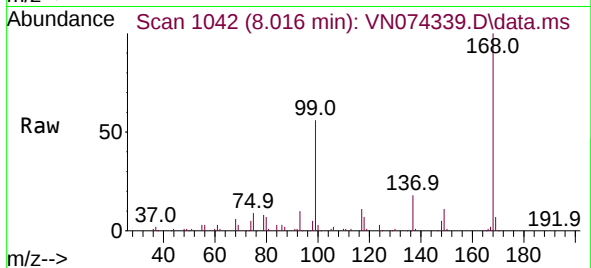




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

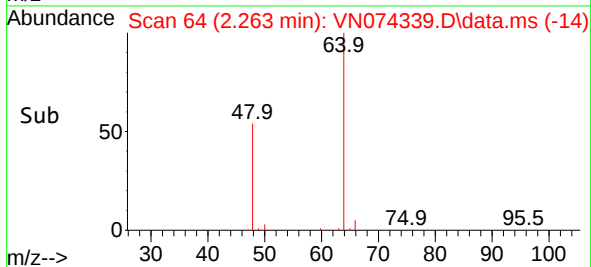
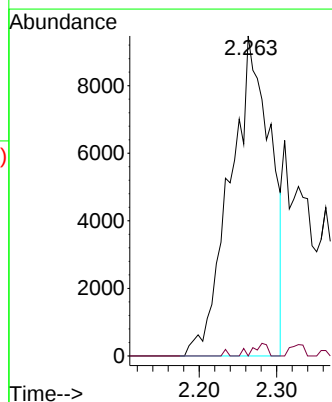
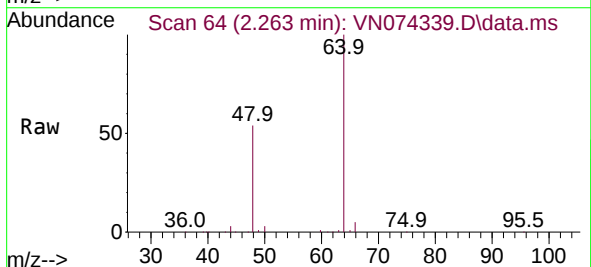
Instrument :
MSVOA_N
ClientSampleId :
MW-37

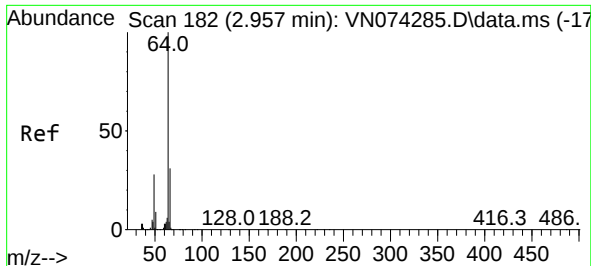
Tgt Ion:168 Resp: 283564
Ion Ratio Lower Upper
168 100
99 55.9 42.3 63.5



#3
Chloromethane
Concen: 8.867 ug/l
RT: 2.263 min Scan# 64
Delta R.T. -0.006 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

Tgt Ion: 50 Resp: 34351
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

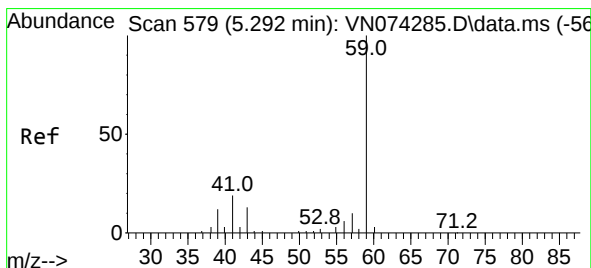
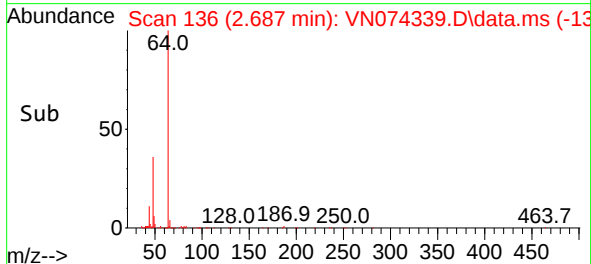
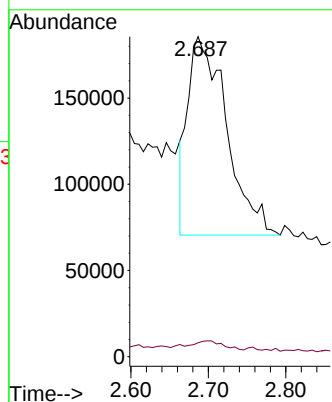
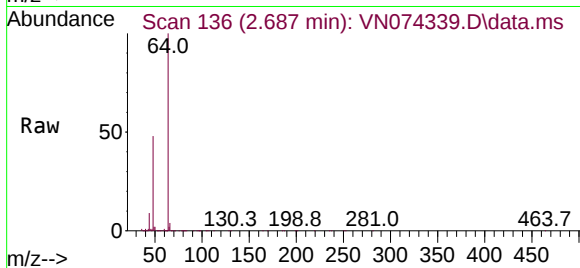




#6
Chloroethane
Concen: 70.656 ug/l
RT: 2.687 min Scan# 11
Delta R.T. -0.264 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

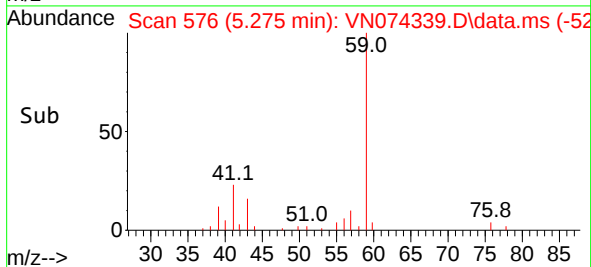
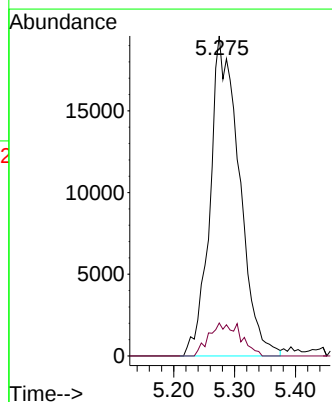
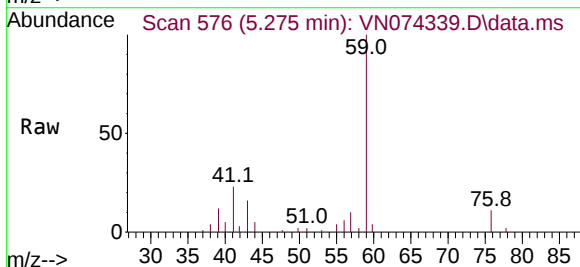
Instrument :
MSVOA_N
ClientSampleId :
MW-37

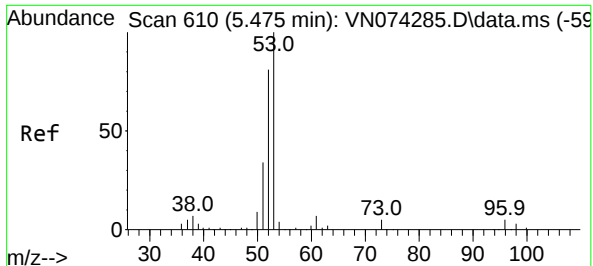
Tgt Ion: 64 Resp: 401150
Ion Ratio Lower Upper
64 100
66 4.3 26.2 39.4#



#11
Tert butyl alcohol
Concen: 81.409 ug/l
RT: 5.275 min Scan# 576
Delta R.T. -0.012 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

Tgt Ion: 59 Resp: 65285
Ion Ratio Lower Upper
59 100
57 11.1 8.3 12.5

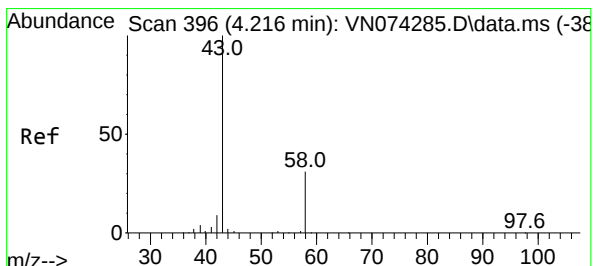
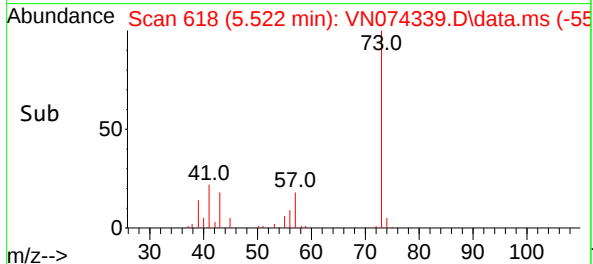
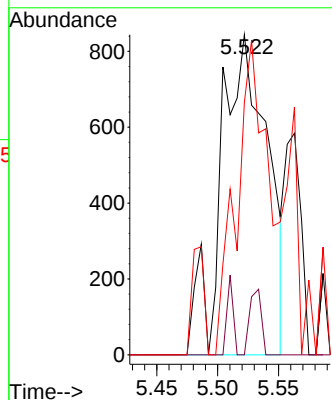
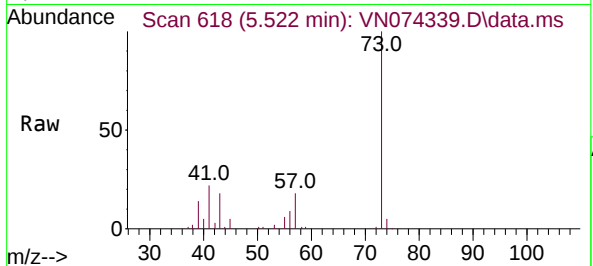




#15
Acrylonitrile
Concen: 1.012 ug/l
RT: 5.522 min Scan# 610
Delta R.T. 0.053 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

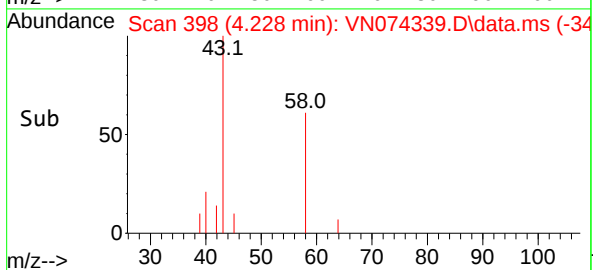
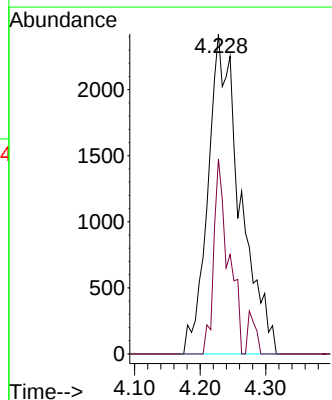
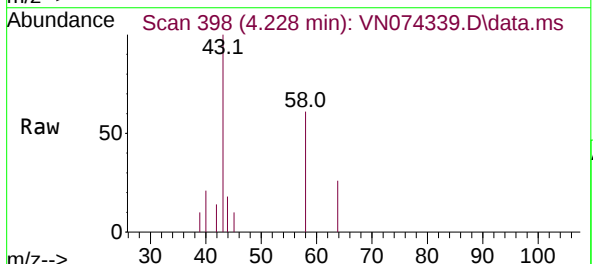
Instrument :
MSVOA_N
ClientSampleId :
MW-37

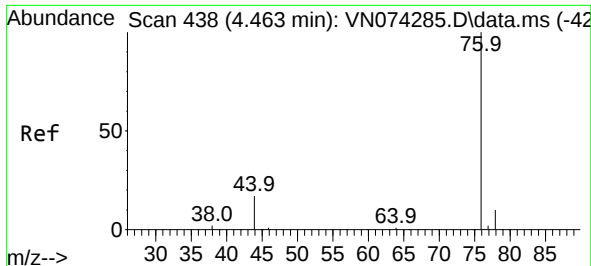
Tgt Ion: 53 Resp: 2233
Ion Ratio Lower Upper
53 100
52 5.2 66.4 99.6#
51 62.7 28.5 42.7#



#16
Acetone
Concen: 4.469 ug/l
RT: 4.228 min Scan# 398
Delta R.T. 0.006 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

Tgt Ion: 43 Resp: 8256
Ion Ratio Lower Upper
43 100
58 60.9 26.0 39.0#





#17

Carbon Disulfide

Concen: 0.521 ug/l

RT: 4.457 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN074339.D

Acq: 04 Sep 2022 00:14

Instrument :

MSVOA_N

ClientSampleId :

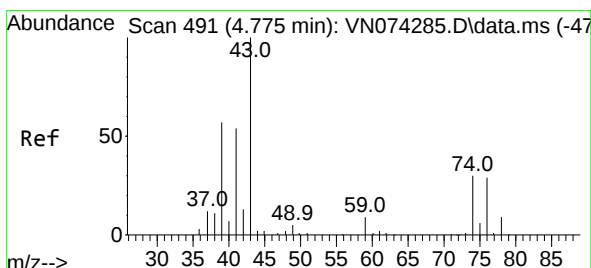
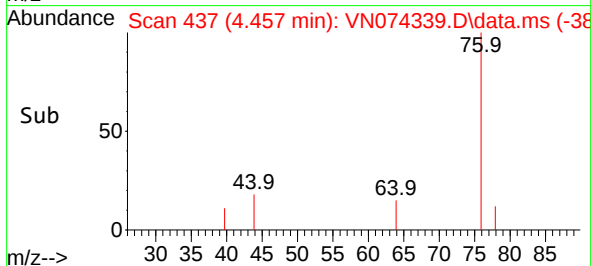
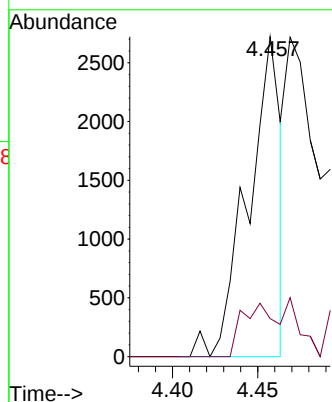
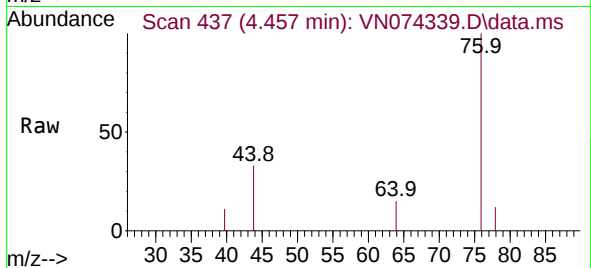
MW-37

Tgt Ion: 76 Resp: 3629

Ion Ratio Lower Upper

76 100

78 11.9 7.2 10.8#



#18

Methyl Acetate

Concen: 0.340 ug/l

RT: 4.781 min Scan# 492

Delta R.T. 0.006 min

Lab File: VN074339.D

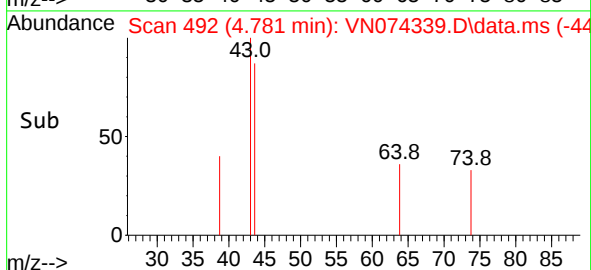
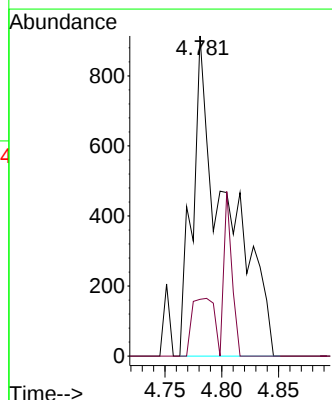
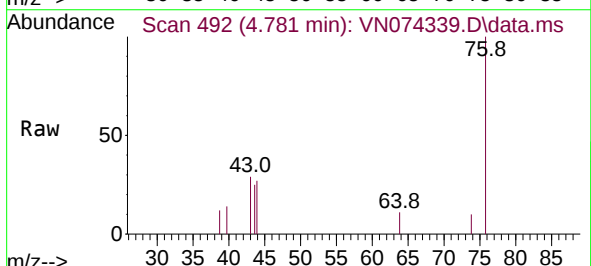
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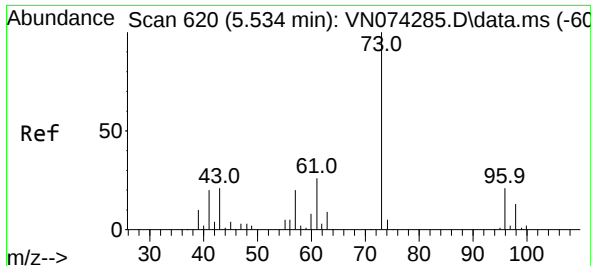
Tgt Ion: 43 Resp: 1893

Ion Ratio Lower Upper

43 100

74 11.8 21.6 32.4#

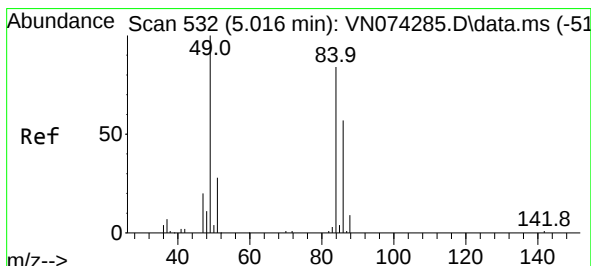
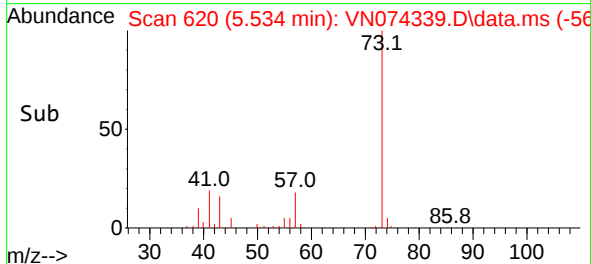
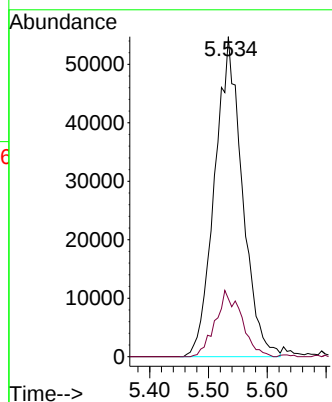
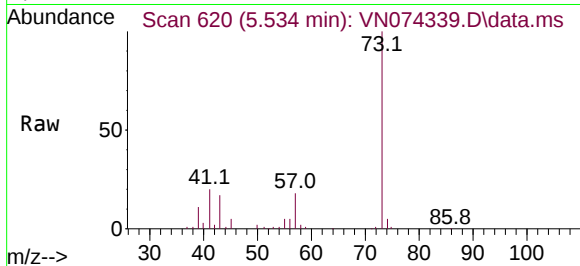




#19
Methyl tert-butyl Ether
Concen: 16.160 ug/l
RT: 5.534 min Scan# 61
Delta R.T. -0.000 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

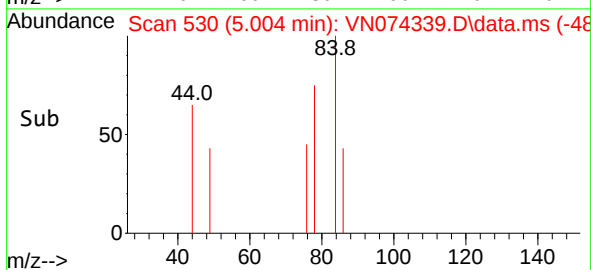
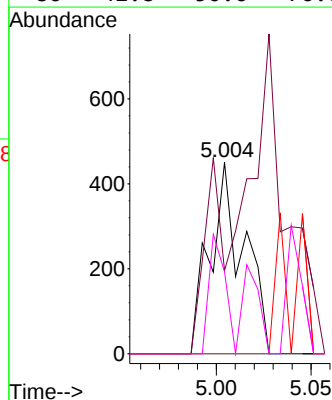
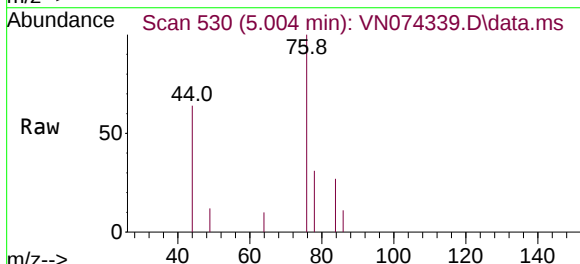
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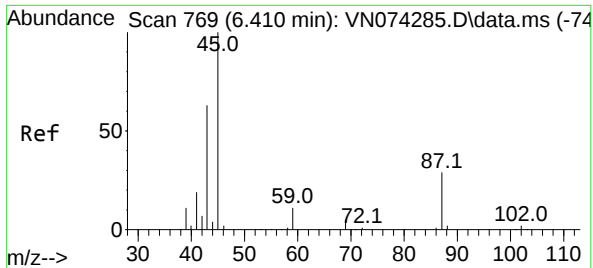
Tgt Ion: 73 Resp: 178789
Ion Ratio Lower Upper
73 100
57 18.1 17.6 26.4



#20
Methylene Chloride
Concen: Below Cal
RT: 5.004 min Scan# 530
Delta R.T. -0.006 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

Tgt Ion: 84 Resp: 557
Ion Ratio Lower Upper
84 100
49 43.5 88.3 132.5#
51 0.0 28.2 42.2#
86 42.8 50.6 76.0#

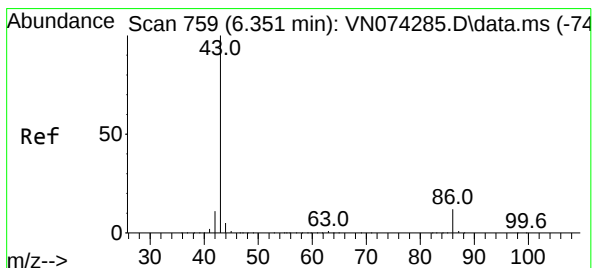
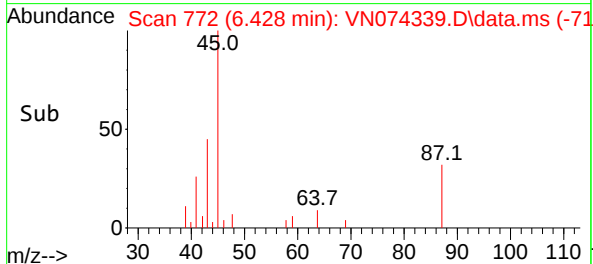
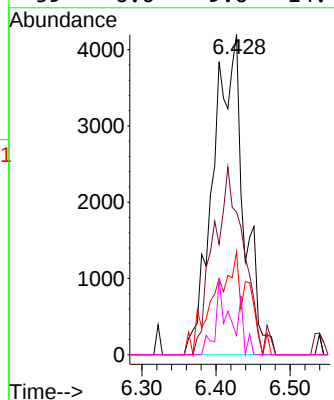
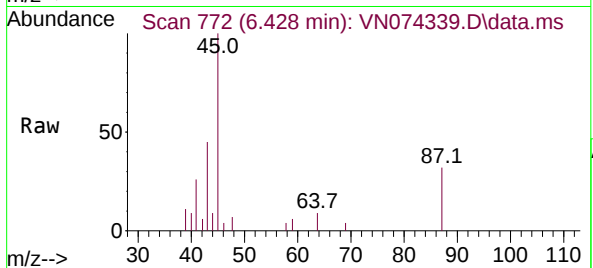




#22
Diisopropyl ether
Concen: 1.142 ug/l
RT: 6.428 min Scan# 71
Delta R.T. 0.012 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

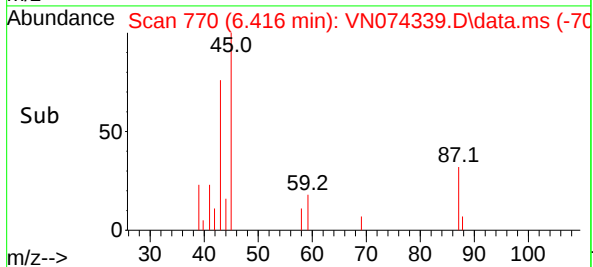
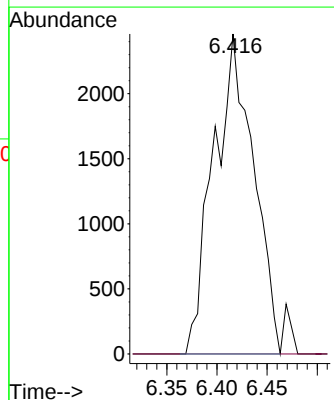
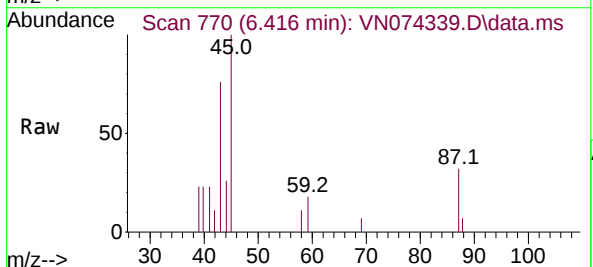
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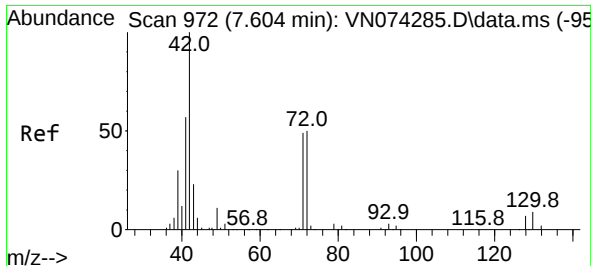
Tgt Ion: 45 Resp: 12035
Ion Ratio Lower Upper
45 100
43 44.6 46.6 70.0#
87 32.1 24.3 36.5
59 6.0 9.6 14.4#



#23
Vinyl Acetate
Concen: 0.747 ug/l
RT: 6.416 min Scan# 770
Delta R.T. 0.065 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

Tgt Ion: 43 Resp: 6841
Ion Ratio Lower Upper
43 100
86 0.0 10.0 15.0#





#29

Tetrahydrofuran

Concen: 0.521 ug/l

RT: 7.610 min Scan# 91

Delta R.T. -0.000 min

Lab File: VN074339.D

Acq: 04 Sep 2022 00:14

Instrument :

MSVOA_N

ClientSampleId :

MW-37

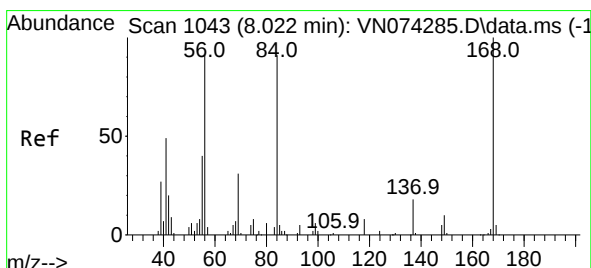
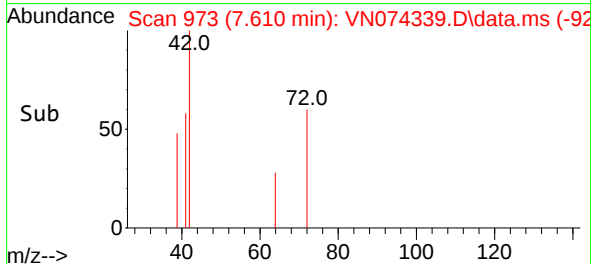
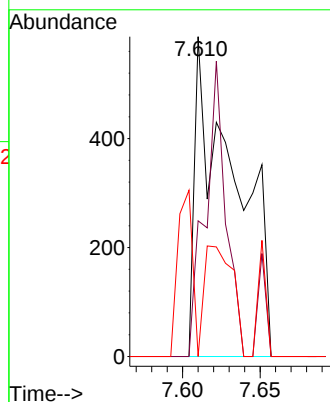
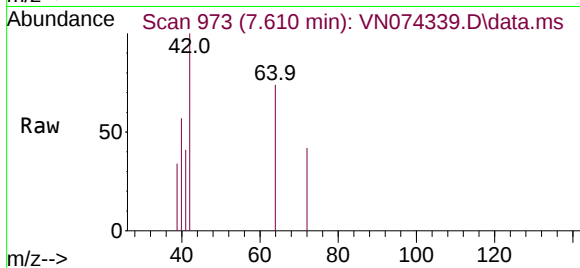
Tgt Ion: 42 Resp: 1038

Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

71 19.3 36.6 55.0#



#31

Cyclohexane

Concen: 1.368 ug/l

RT: 8.010 min Scan# 1041

Delta R.T. -0.012 min

Lab File: VN074339.D

Acq: 04 Sep 2022 00:14

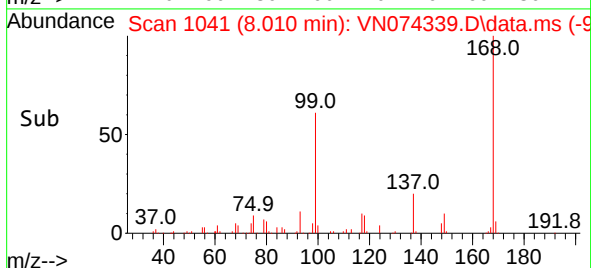
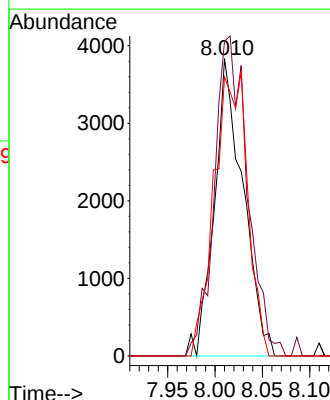
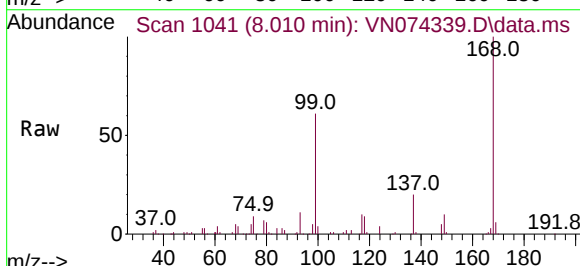
Tgt Ion: 56 Resp: 8075

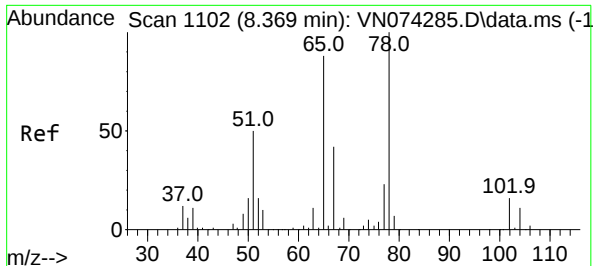
Ion Ratio Lower Upper

56 100

69 105.8 27.8 41.8#

84 93.9 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 48.362 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VN074339.D

Acq: 04 Sep 2022 00:14

Instrument :

MSVOA_N

ClientSampleId :

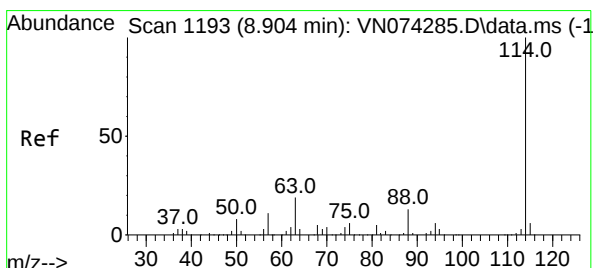
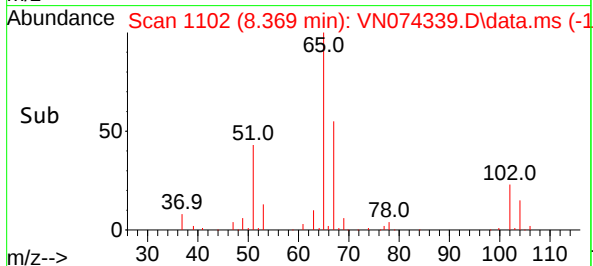
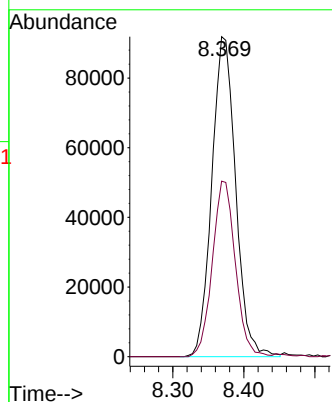
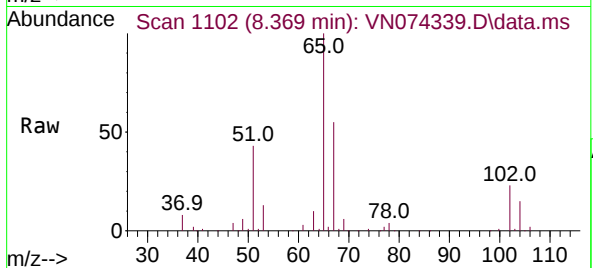
MW-37

Tgt Ion: 65 Resp: 213772

Ion Ratio Lower Upper

65 100

67 53.0 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: VN074339.D

Acq: 04 Sep 2022 00:14

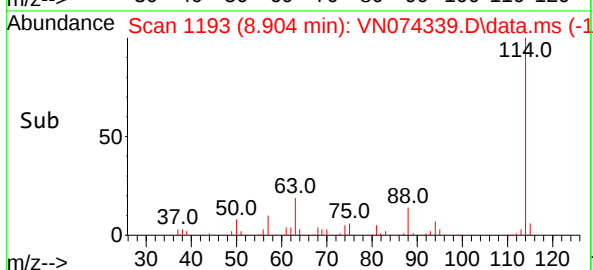
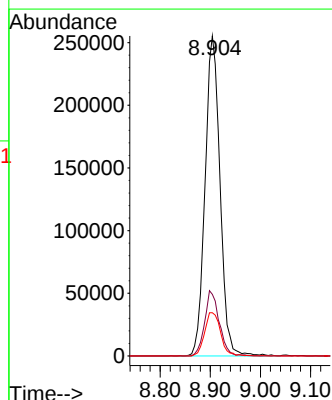
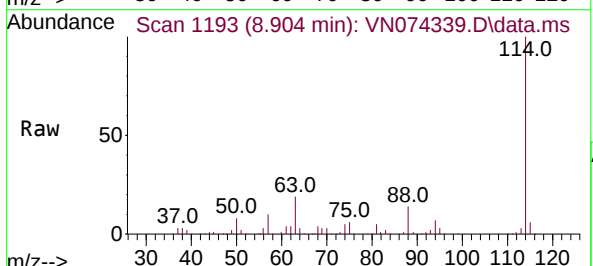
Tgt Ion: 114 Resp: 529603

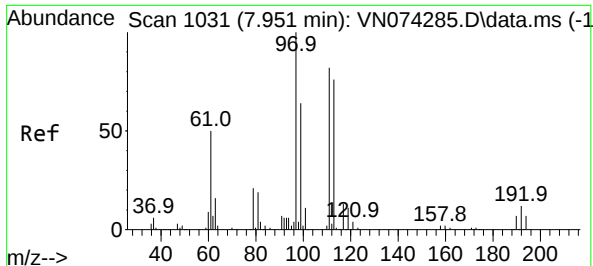
Ion Ratio Lower Upper

114 100

63 19.2 0.0 40.0

88 13.5 0.0 32.6

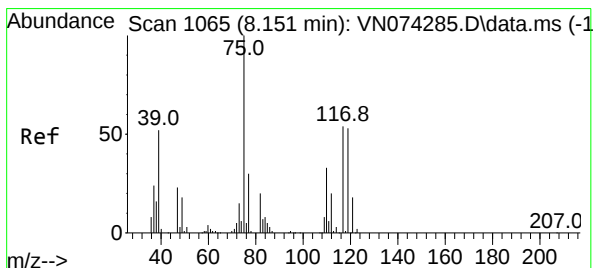
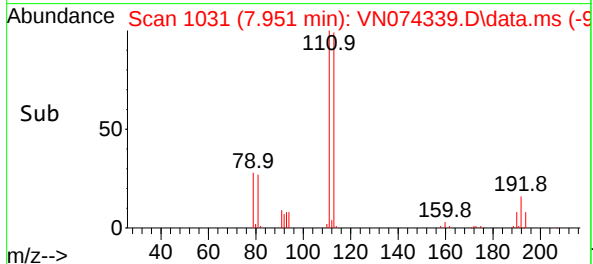
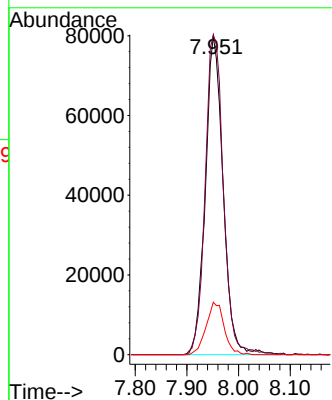
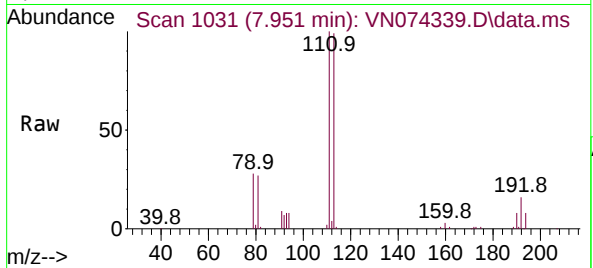




#35
Dibromofluoromethane
Concen: 54.435 ug/l
RT: 7.951 min Scan# 1031
Delta R.T. 0.000 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

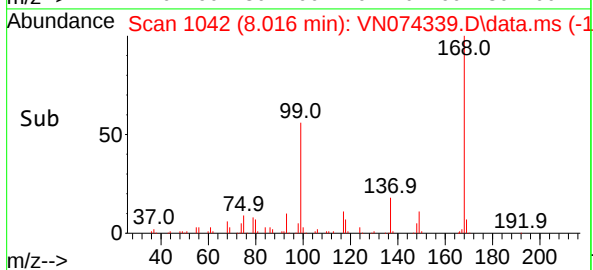
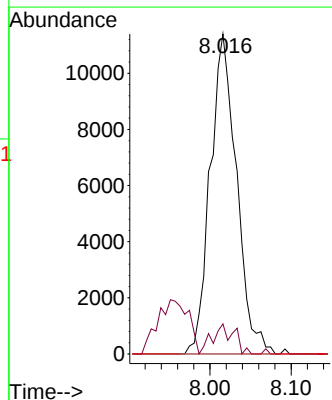
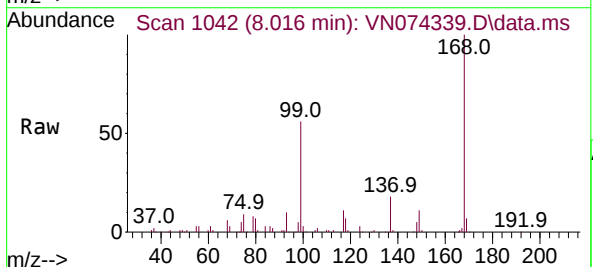
Instrument :
MSVOA_N
ClientSampleId :
MW-37

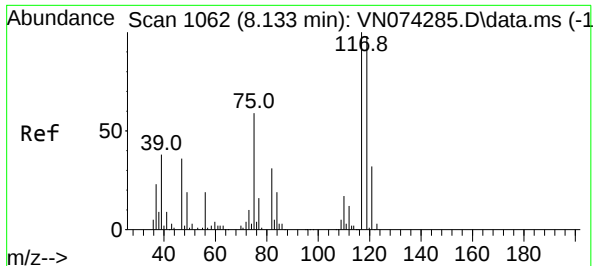
Tgt Ion:113 Resp: 191034
Ion Ratio Lower Upper
113 100
111 101.9 81.4 122.0
192 16.7 17.0 25.6#



#36
1,1-Dichloropropene
Concen: 5.157 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.141 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

Tgt Ion: 75 Resp: 25688
Ion Ratio Lower Upper
75 100
110 7.7 18.3 54.8#
77 0.0 25.1 37.7#

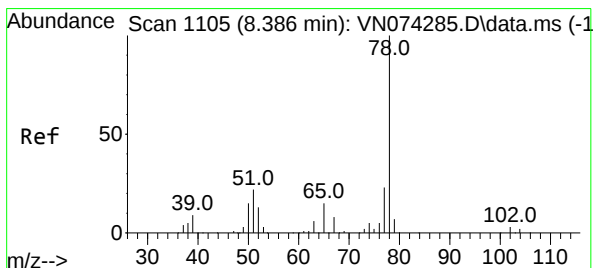
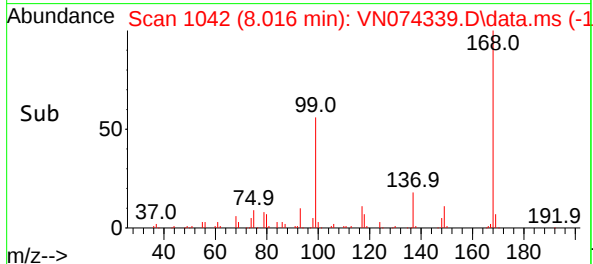
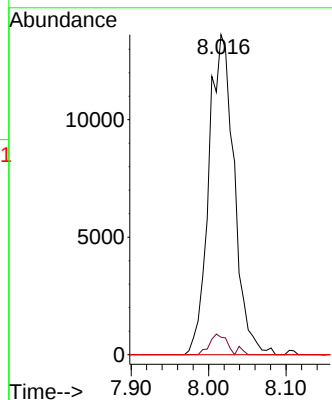
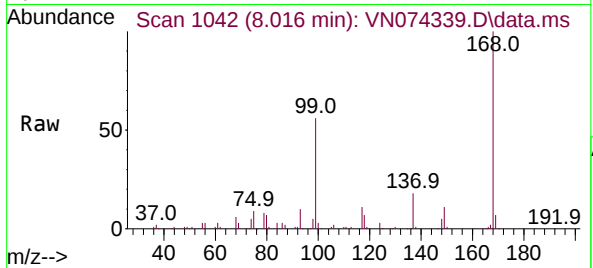




#38
Carbon Tetrachloride
Concen: 6.145 ug/l
RT: 8.016 min Scan# 1107
Delta R.T. -0.117 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

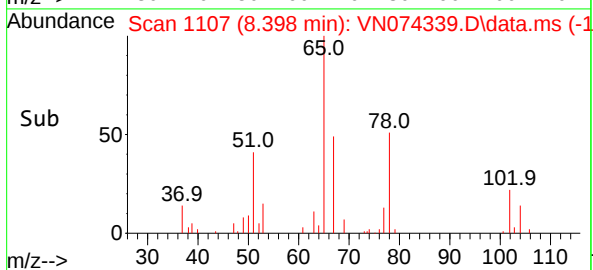
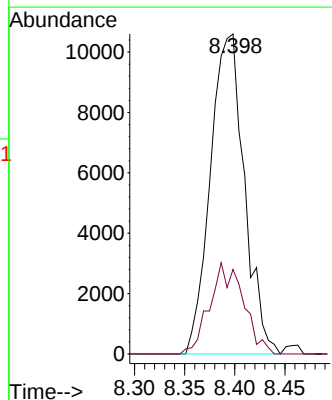
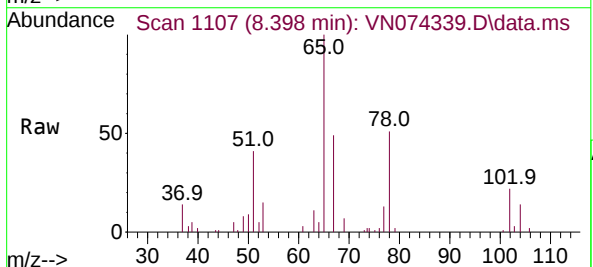
Instrument :
MSVOA_N
ClientSampleId :
MW-37

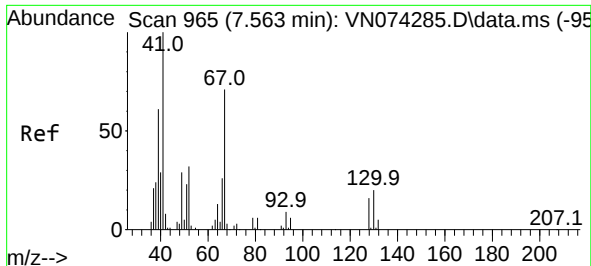
Tgt Ion:117 Resp: 30922
Ion Ratio Lower Upper
117 100
119 5.4 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 1.594 ug/l
RT: 8.398 min Scan# 1107
Delta R.T. 0.006 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

Tgt Ion: 78 Resp: 25041
Ion Ratio Lower Upper
78 100
77 26.4 19.4 29.0

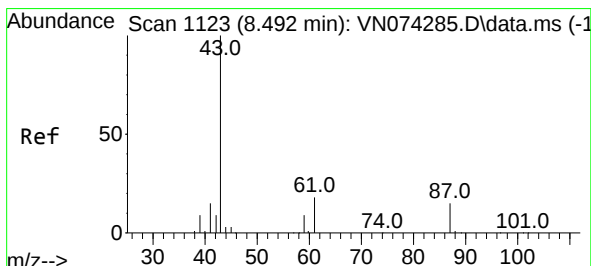
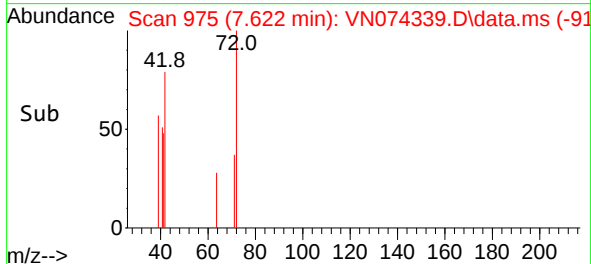
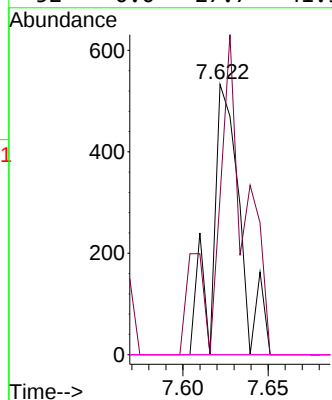
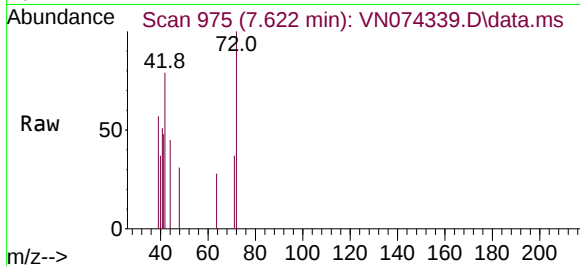




#41
Methacrylonitrile
Concen: 0.205 ug/l
RT: 7.622 min Scan# 91
Delta R.T. 0.053 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

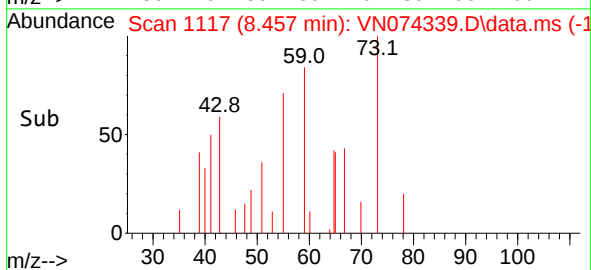
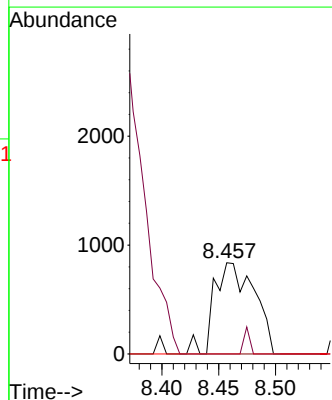
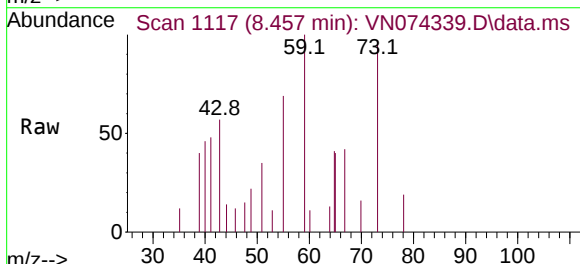
Instrument :
MSVOA_N
ClientSampleId :
MW-37

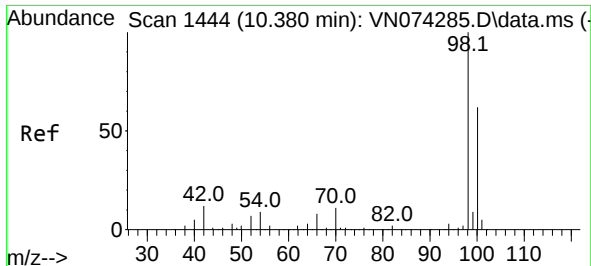
Tgt Ion:	41	Resp:	600
Ion	Ratio	Lower	Upper
41	100		
39	125.3	48.6	73.0#
67	0.0	73.4	110.2#
52	0.0	27.7	41.5#



#43
Isopropyl Acetate
Concen: 0.217 ug/l
RT: 8.457 min Scan# 1117
Delta R.T. -0.035 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

Tgt Ion:	43	Resp:	2055
Ion	Ratio	Lower	Upper
43	100		
61	0.0	21.9	32.9#
87	0.0	12.0	18.0#

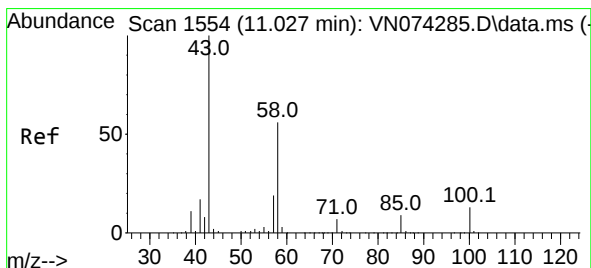
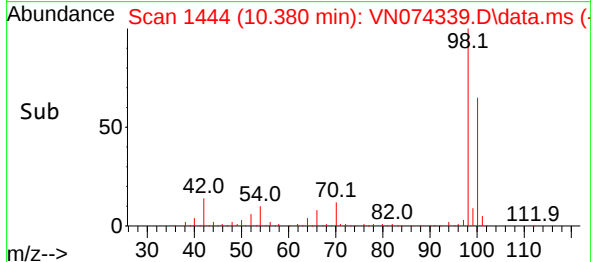
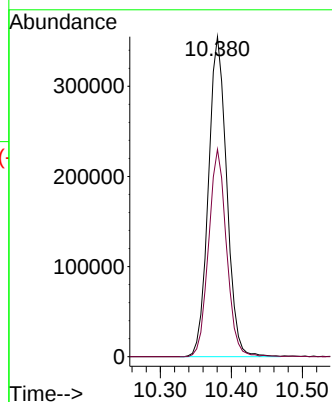
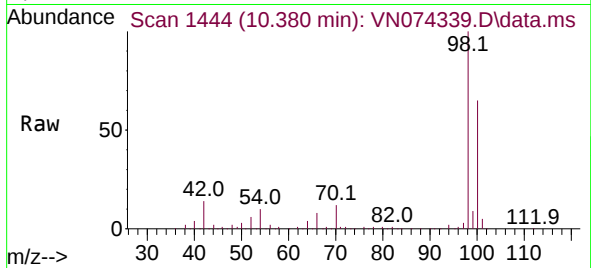




#50
Toluene-d8
Concen: 45.999 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

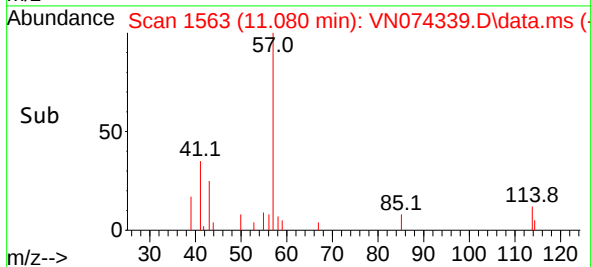
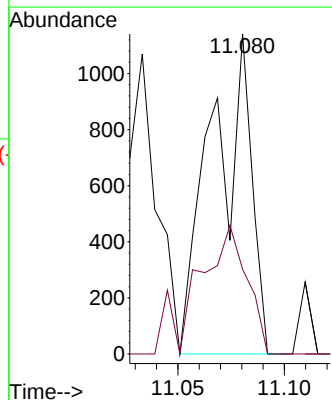
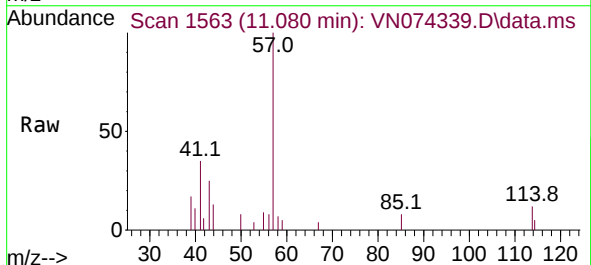
Instrument :
MSVOA_N
ClientSampleId :
MW-37

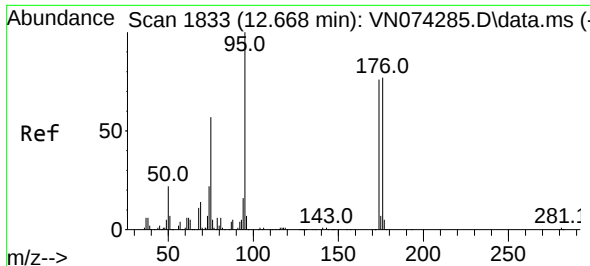
Tgt Ion: 98 Resp: 636549
Ion Ratio Lower Upper
98 100
100 63.3 52.6 78.8



#59
2-Hexanone
Concen: 0.291 ug/l
RT: 11.080 min Scan# 1563
Delta R.T. 0.053 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

Tgt Ion: 43 Resp: 1461
Ion Ratio Lower Upper
43 100
58 50.9 29.7 89.1

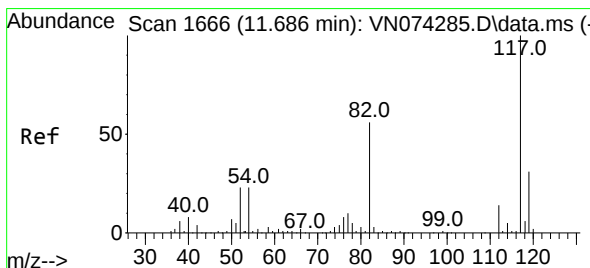
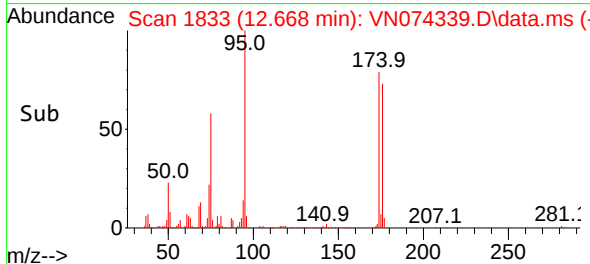
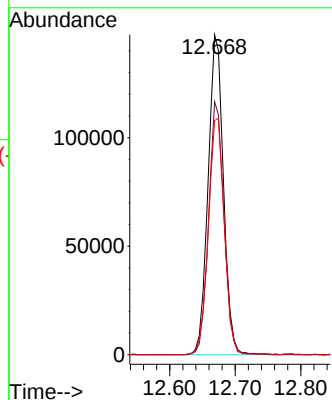
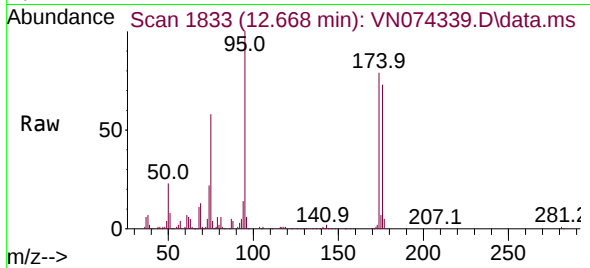




#62
4-Bromofluorobenzene
Concen: 47.592 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.001 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

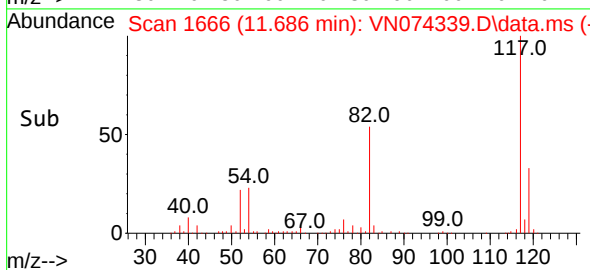
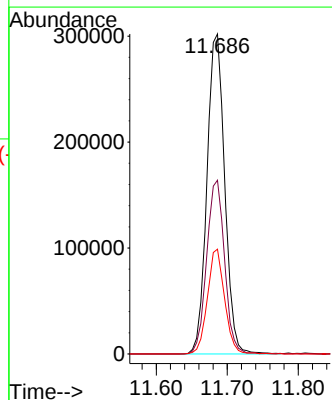
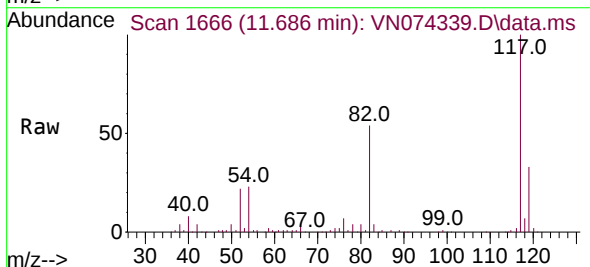
Instrument :
MSVOA_N
ClientSampleId :
MW-37

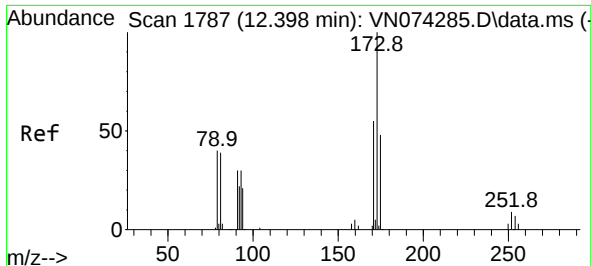
Tgt Ion: 95 Resp: 240254
Ion Ratio Lower Upper
95 100
174 78.8 0.0 167.6
176 76.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

Tgt Ion: 117 Resp: 525605
Ion Ratio Lower Upper
117 100
82 54.3 44.2 66.2
119 32.8 25.4 38.0

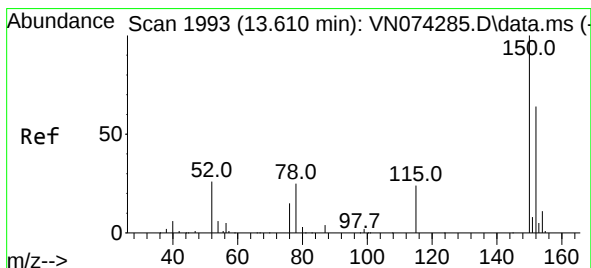
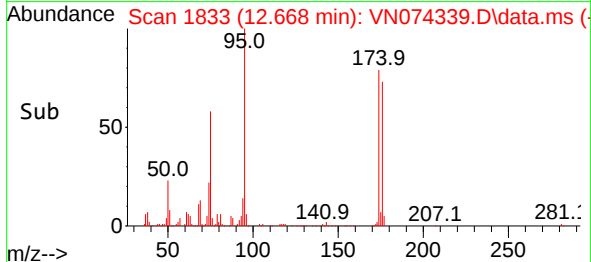
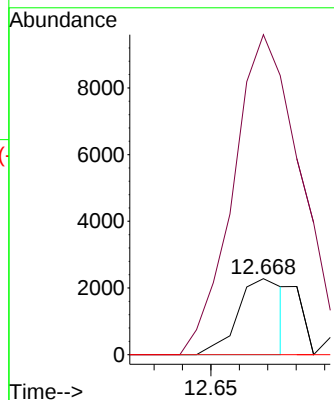
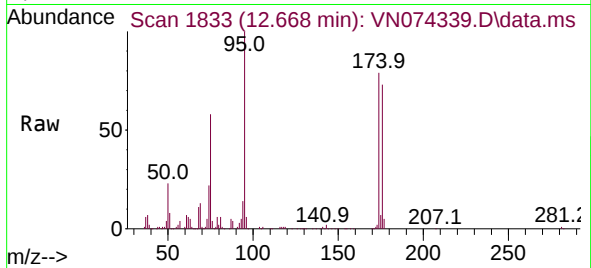




#71
Bromoform
Concen: 0.821 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.270 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

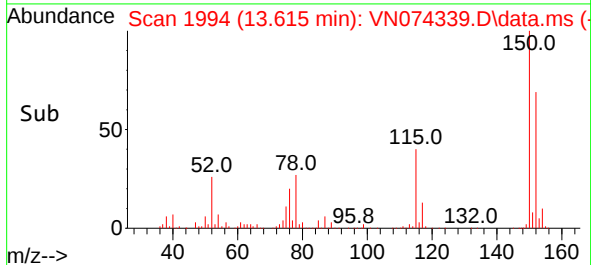
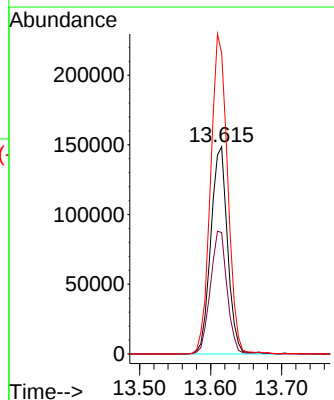
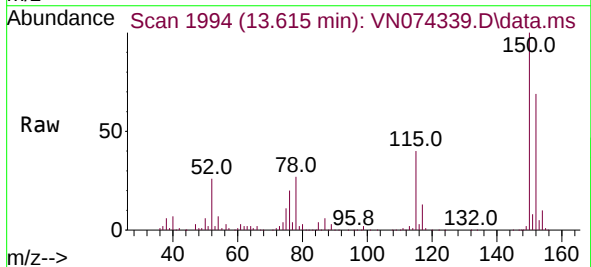
Instrument :
MSVOA_N
ClientSampleId :
MW-37

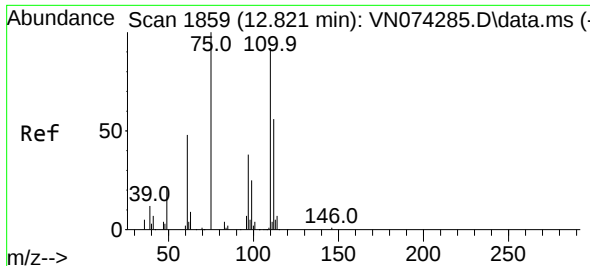
Tgt Ion:173 Resp: 2539
Ion Ratio Lower Upper
173 100
175 462.6 24.6 73.6#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.005 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

Tgt Ion:152 Resp: 243936
Ion Ratio Lower Upper
152 100
115 58.8 28.9 86.7
150 157.0 0.0 356.2

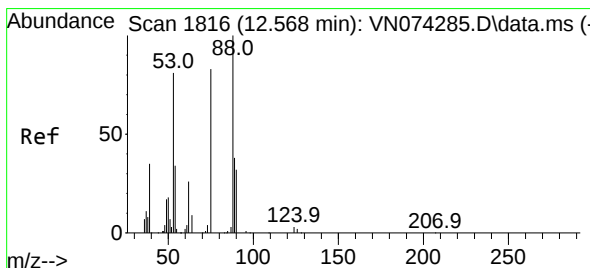
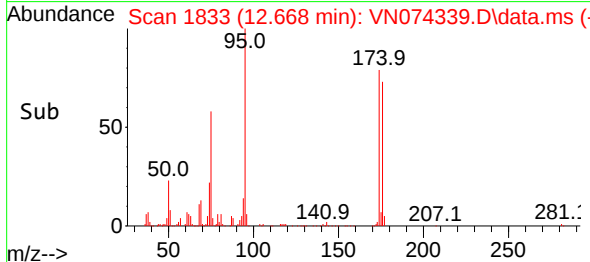
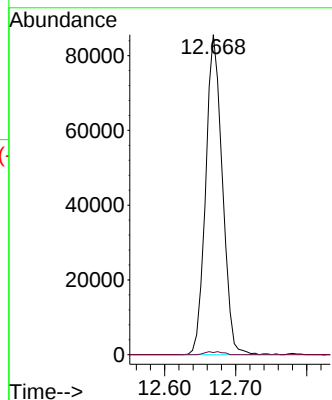
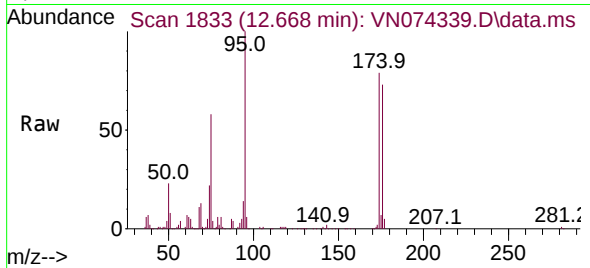




#76
1,2,3-Trichloropropane
Concen: 20.203 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.153 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

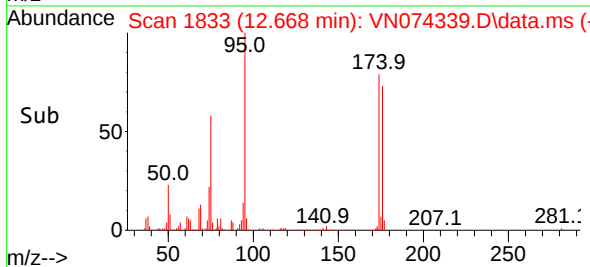
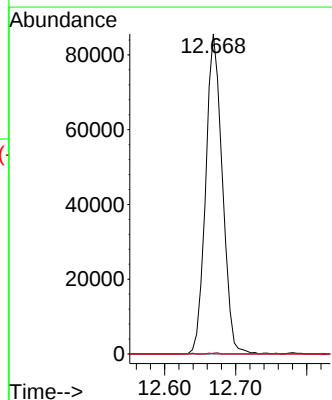
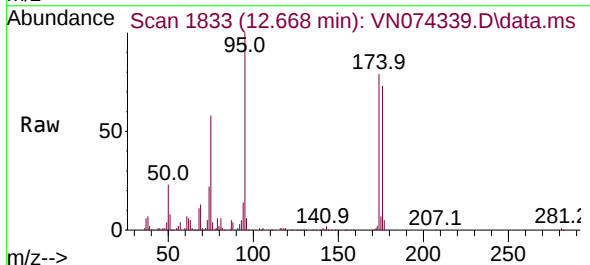
Instrument :
MSVOA_N
ClientSampleId :
MW-37

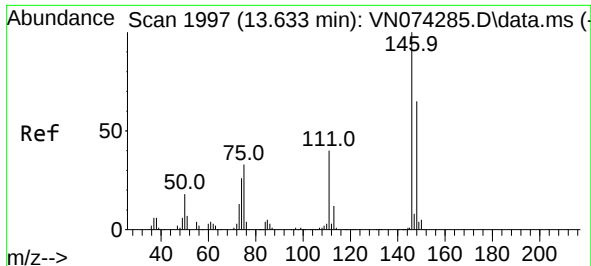
Tgt Ion: 75 Resp: 139578
Ion Ratio Lower Upper
75 100
77 1.0 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.584 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. 0.105 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

Tgt Ion: 75 Resp: 139578
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 37.2 55.8#

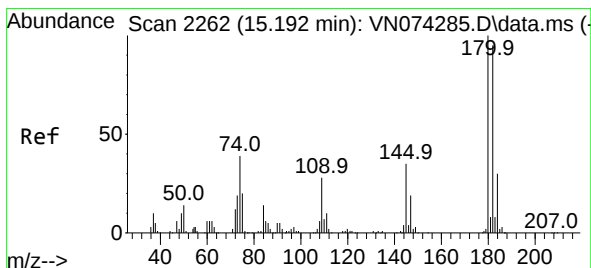
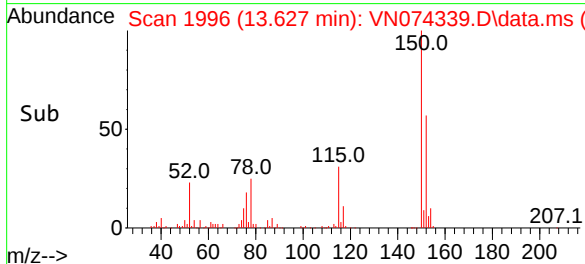
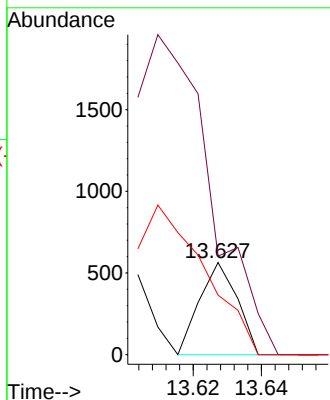
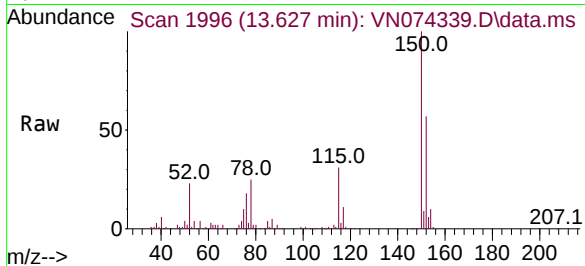




#88
1,4-Dichlorobenzene
Concen: 0.215 ug/l
RT: 13.627 min Scan# 1996
Delta R.T. -0.006 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

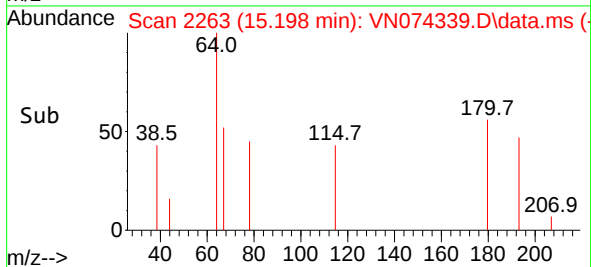
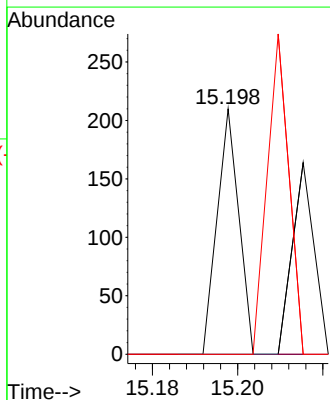
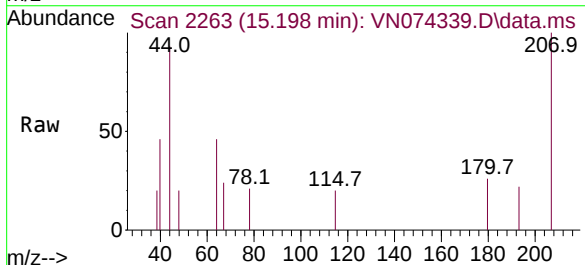
Instrument :
MSVOA_N
ClientSampleId :
MW-37

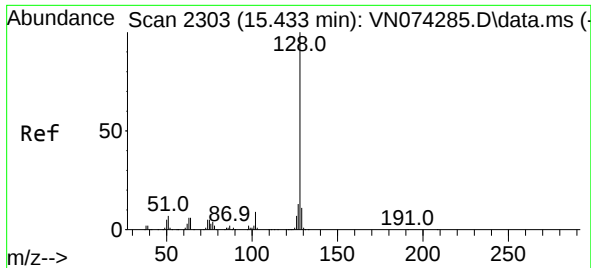
Tgt Ion:146 Resp: 432
Ion Ratio Lower Upper
146 100
111 0.0 19.1 57.1#
148 0.0 31.4 94.3#



#93
1,2,4-Trichlorobenzene
Concen: 0.871 ug/l
RT: 15.198 min Scan# 2263
Delta R.T. -0.000 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

Tgt Ion:180 Resp: 74
Ion Ratio Lower Upper
180 100
182 0.0 47.5 142.5#
145 0.0 14.5 43.5#

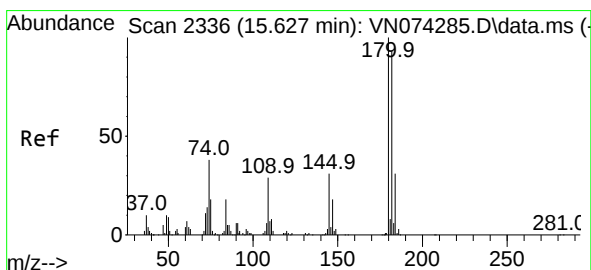
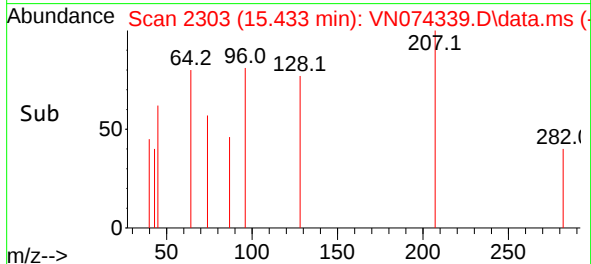
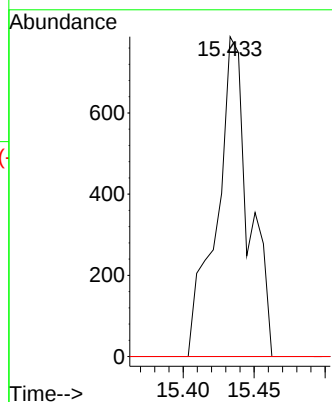
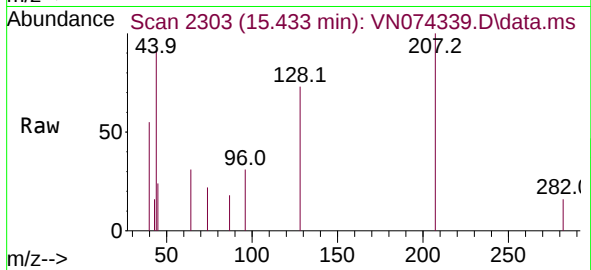




#95
Naphthalene
Concen: 0.833 ug/l
RT: 15.433 min Scan# 2137
Delta R.T. 0.000 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

Instrument :
MSVOA_N
ClientSampleId :
MW-37

Tgt Ion:128 Resp: 1244
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.444 ug/l
RT: 15.633 min Scan# 2337
Delta R.T. 0.006 min
Lab File: VN074339.D
Acq: 04 Sep 2022 00:14

Tgt Ion:180 Resp: 146
Ion Ratio Lower Upper
180 100
182 0.0 47.8 143.3#
145 0.0 15.5 46.5#

