

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062222\
 Data File : VN073035.D
 Acq On : 22 Jun 2022 19:19
 Operator : JC\MD
 Sample : N3381-12 50X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-26

Quant Time: Jun 23 07:34:09 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N061722W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 18 06:22:45 2022
 Response via : Initial Calibration

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

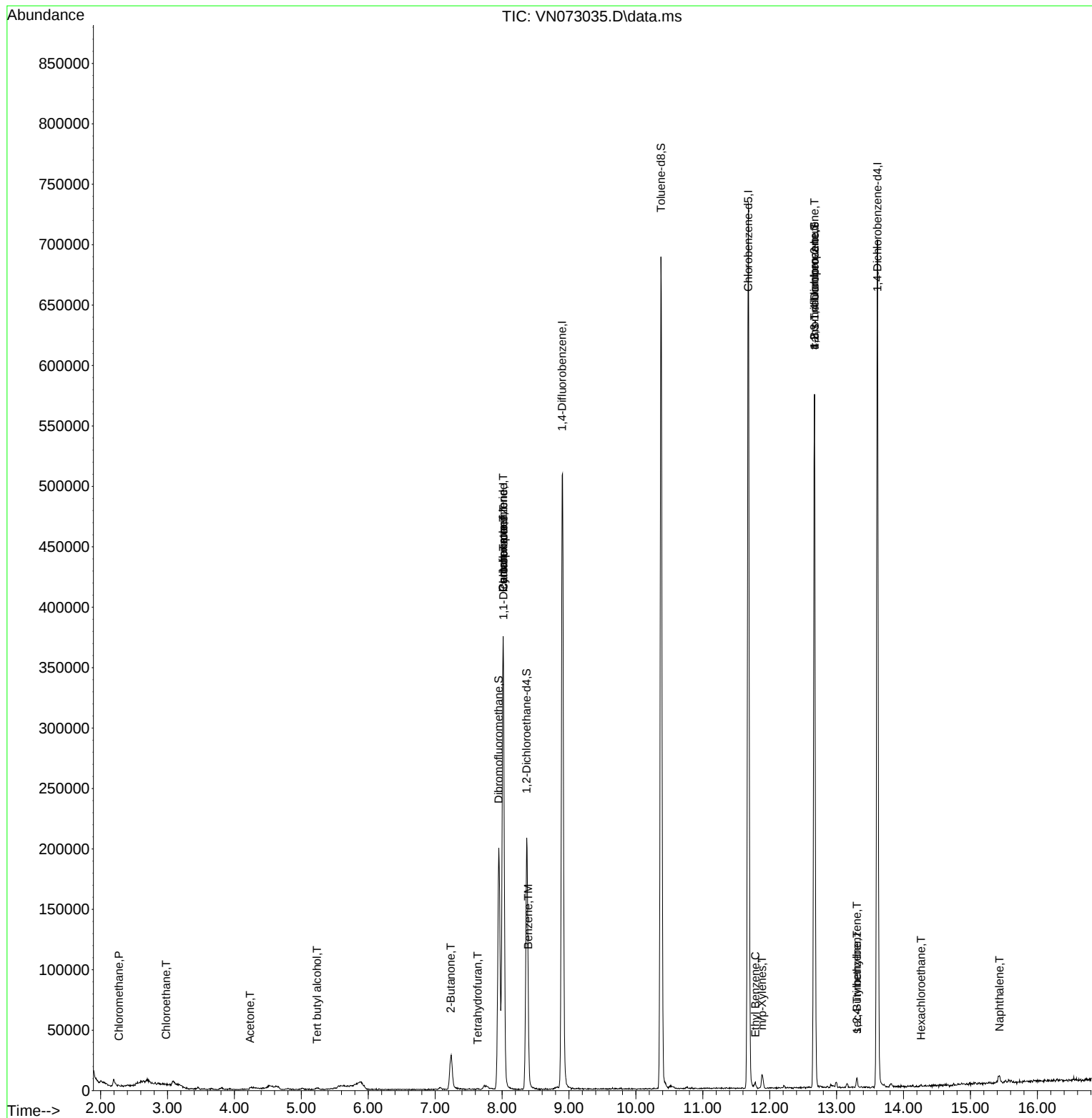
Internal Standards						
1) Pentafluorobenzene	8.016	168	283855	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.898	114	461663	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.680	117	411446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.610	152	185542	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	171645	44.727	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	89.460%
35) Dibromofluoromethane	7.951	113	146854	51.465	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	102.920%
50) Toluene-d8	10.375	98	476372	44.865	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	89.720%
62) 4-Bromofluorobenzene	12.669	95	197570	51.746	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.500%
Target Compounds						
					Qvalue	
3) Chloromethane	2.275	50	465	0.728	ug/l #	43
6) Chloroethane	2.981	64	889	0.586	ug/l #	42
11) Tert butyl alcohol	5.234	59	1385	1.397	ug/l #	72
16) Acetone	4.234	43	1421	0.674	ug/l #	79
20) Methylene Chloride	5.016	84	550	Below Cal	#	63
25) 2-Butanone	7.234	43	2029	0.606	ug/l #	45
26) 2,2-Dichloropropane	7.239	77	1904	Below Cal	#	53
29) Tetrahydrofuran	7.634	42	443	0.200	ug/l #	29
31) Cyclohexane	8.016	56	6705	1.292	ug/l #	44
36) 1,1-Dichloropropene	8.022	75	22900	5.931	ug/l #	49
38) Carbon Tetrachloride	8.016	117	29043	7.151	ug/l #	17
40) Benzene	8.392	78	3622	0.298	ug/l	97
67) Ethyl Benzene	11.786	91	3137	0.222	ug/l #	82
68) m/p-Xylenes	11.886	106	3525	0.635	ug/l	84
76) 1,2,3-Trichloropropane	12.669	75	102994	22.895	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.669	75	102994	61.832	ug/l #	10
84) 1,2,4-Trimethylbenzene	13.304	105	5051	0.430	ug/l	90
85) sec-Butylbenzene	13.304	105	5051	0.351	ug/l #	56
90) Hexachloroethane	14.263	117	472	0.215	ug/l #	9
95) Naphthalene	15.433	128	7290	0.509	ug/l	98

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

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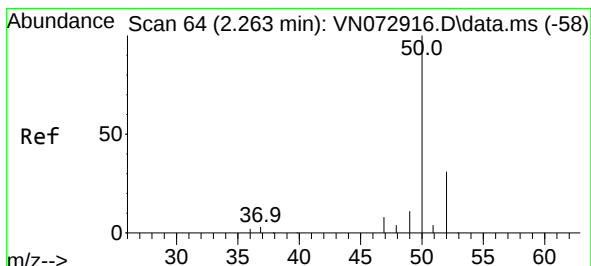
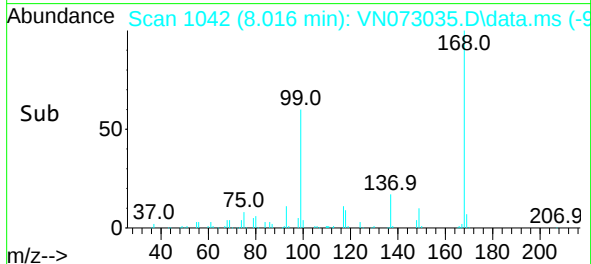
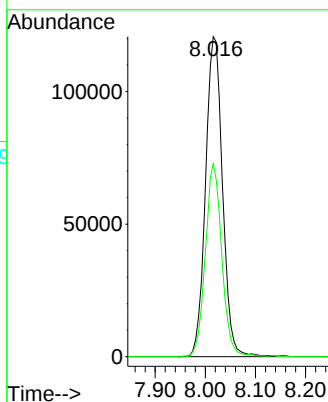
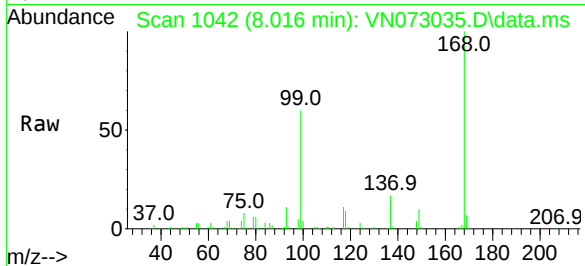




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. -0.000 min
Lab File: VN073035.D
Acq: 22 Jun 2022 19:19

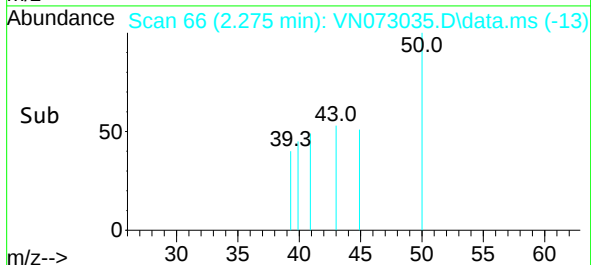
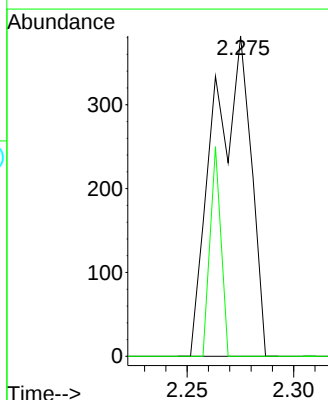
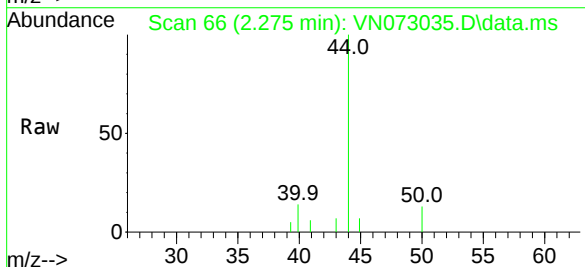
Instrument :
MSVOA_N
ClientSampleId :
MW-26

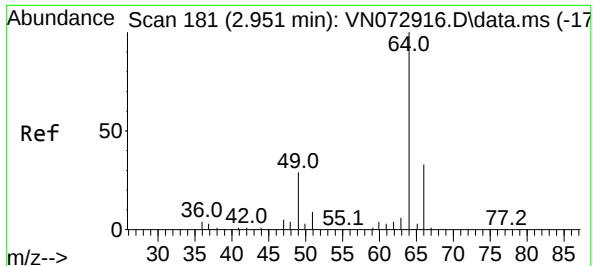
Tgt Ion:168 Resp: 283855
Ion Ratio Lower Upper
168 100
99 60.3 42.3 63.5



#3
Chloromethane
Concen: 0.728 ug/l
RT: 2.275 min Scan# 66
Delta R.T. 0.012 min
Lab File: VN073035.D
Acq: 22 Jun 2022 19:19

Tgt Ion: 50 Resp: 465
Ion Ratio Lower Upper
50 100
52 0.0 25.7 38.5#

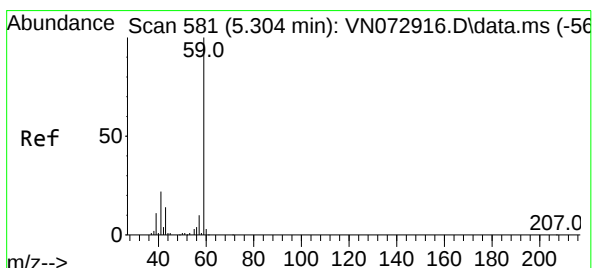
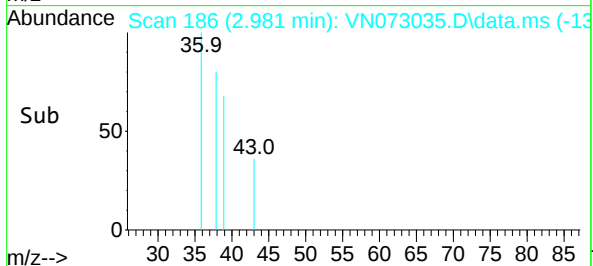
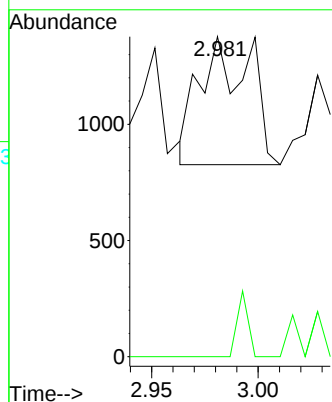
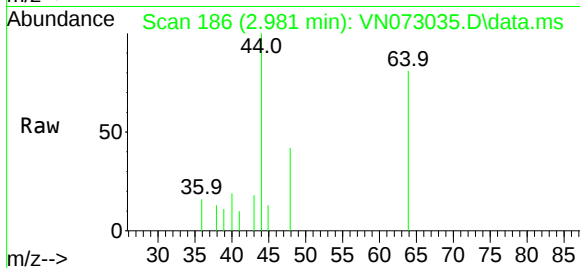




#6
Chloroethane
Concen: 0.586 ug/l
RT: 2.981 min Scan# 11
Delta R.T. 0.030 min
Lab File: VN073035.D
Acq: 22 Jun 2022 19:19

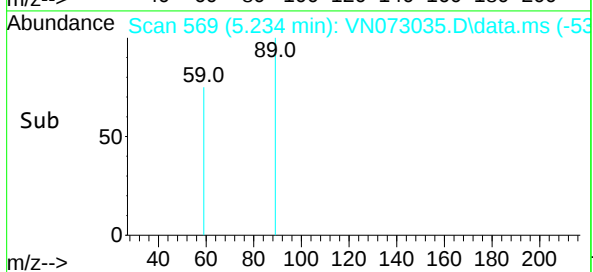
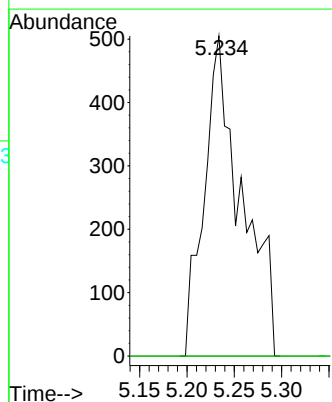
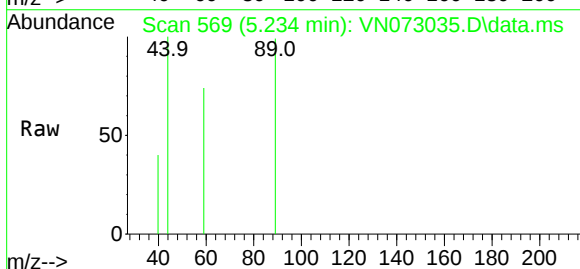
Instrument :
MSVOA_N
ClientSampleId :
MW-26

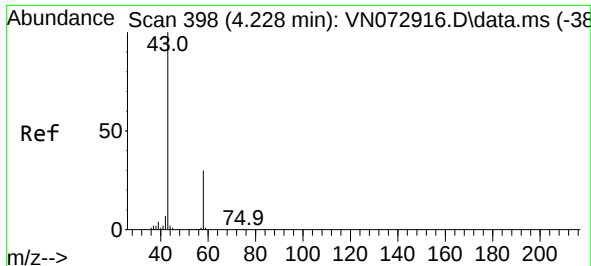
Tgt Ion: 64 Resp: 889
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#11
Tert butyl alcohol
Concen: 1.397 ug/l
RT: 5.234 min Scan# 569
Delta R.T. -0.071 min
Lab File: VN073035.D
Acq: 22 Jun 2022 19:19

Tgt Ion: 59 Resp: 1385
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#16

Acetone

Concen: 0.674 ug/l

RT: 4.234 min Scan# 398

Delta R.T. 0.006 min

Lab File: VN073035.D

Acq: 22 Jun 2022 19:19

Instrument :

MSVOA_N

ClientSampleId :

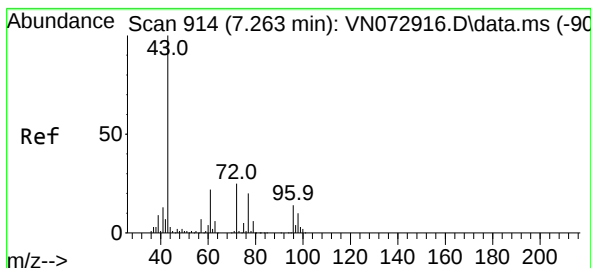
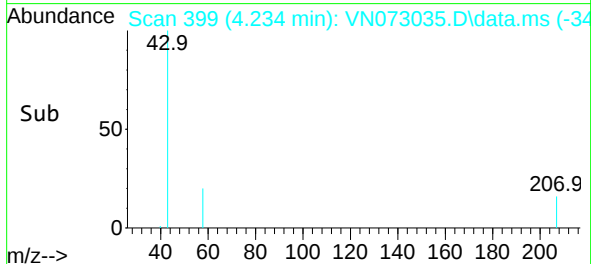
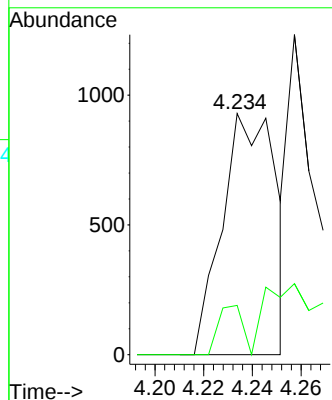
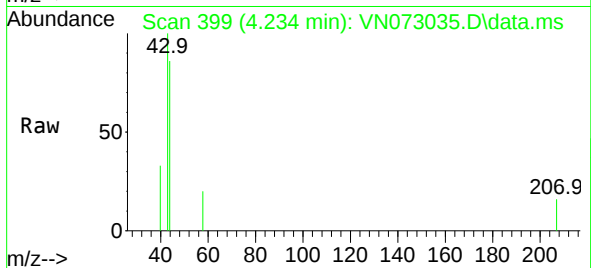
MW-26

Tgt Ion: 43 Resp: 1421

Ion Ratio Lower Upper

43 100

58 20.5 26.0 39.0#



#25

2-Butanone

Concen: 0.606 ug/l

RT: 7.234 min Scan# 909

Delta R.T. -0.029 min

Lab File: VN073035.D

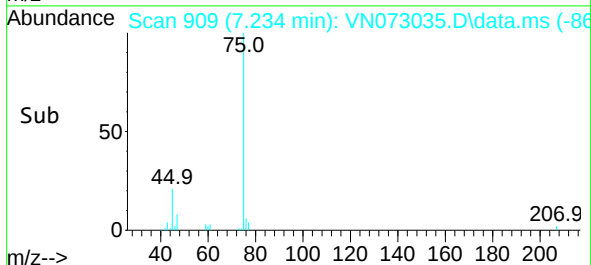
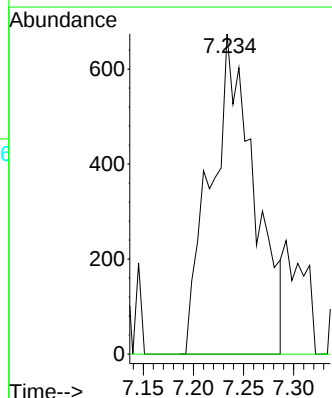
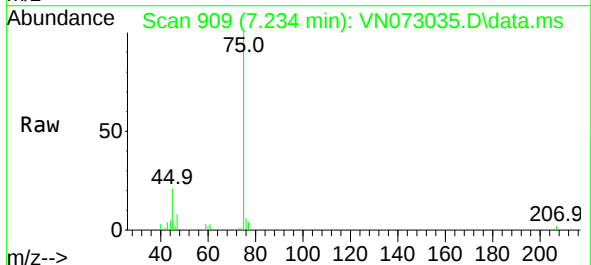
Acq: 22 Jun 2022 19:19

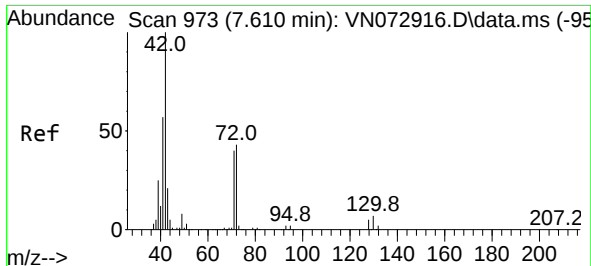
Tgt Ion: 43 Resp: 2029

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#





#29

Tetrahydrofuran

Concen: 0.200 ug/l

RT: 7.634 min Scan# 91

Delta R.T. 0.024 min

Lab File: VN073035.D

Acq: 22 Jun 2022 19:19

Instrument :

MSVOA_N

ClientSampleId :

MW-26

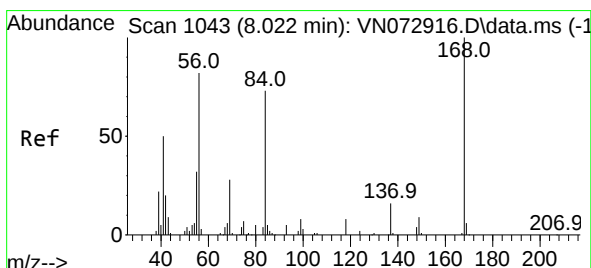
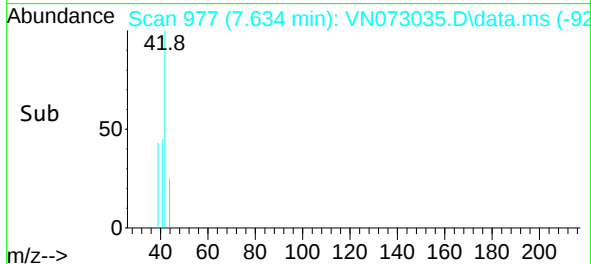
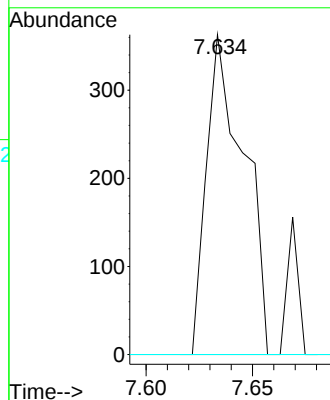
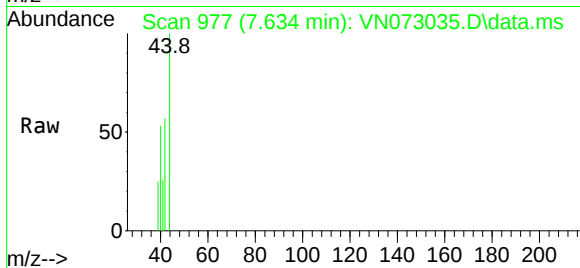
Tgt Ion: 42 Resp: 443

Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

71 0.0 36.6 55.0#



#31

Cyclohexane

Concen: 1.292 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN073035.D

Acq: 22 Jun 2022 19:19

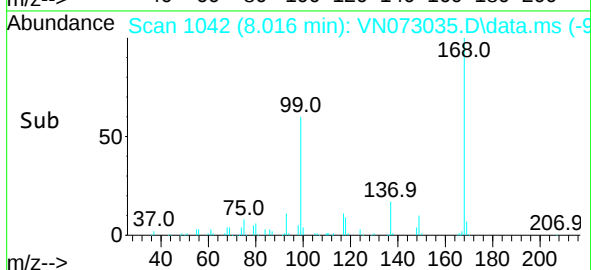
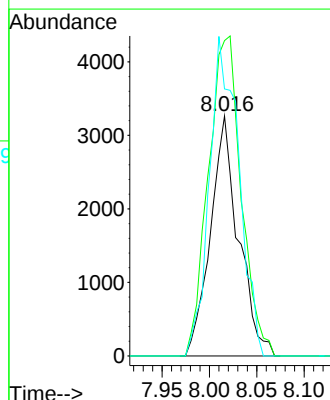
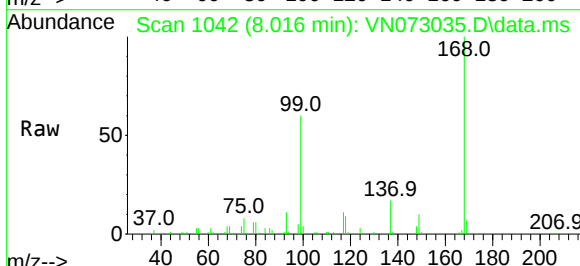
Tgt Ion: 56 Resp: 6705

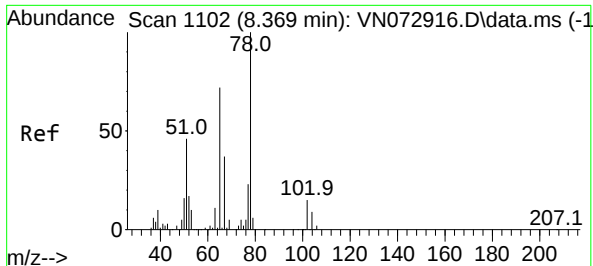
Ion Ratio Lower Upper

56 100

69 131.4 27.8 41.8#

84 111.3 76.9 115.3





#33

1,2-Dichloroethane-d4

Concen: 44.727 ug/l

RT: 8.369 min Scan# 1102

Delta R.T. 0.000 min

Lab File: VN073035.D

Acq: 22 Jun 2022 19:19

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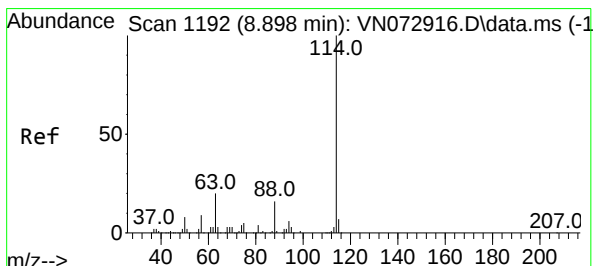
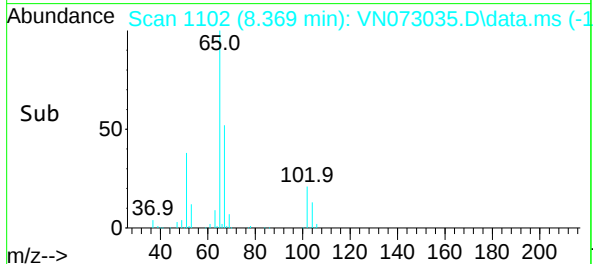
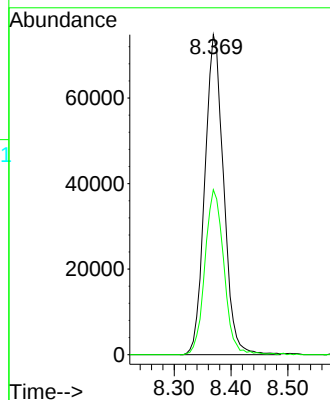
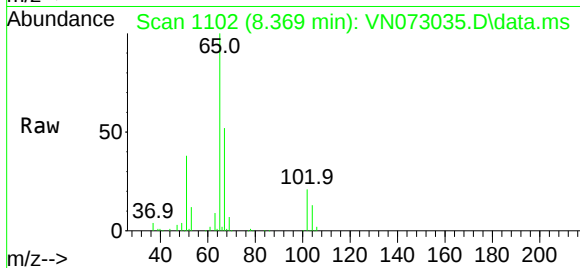
MW-26

Tgt Ion: 65 Resp: 171645

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.898 min Scan# 1192

Delta R.T. 0.000 min

Lab File: VN073035.D

Acq: 22 Jun 2022 19:19

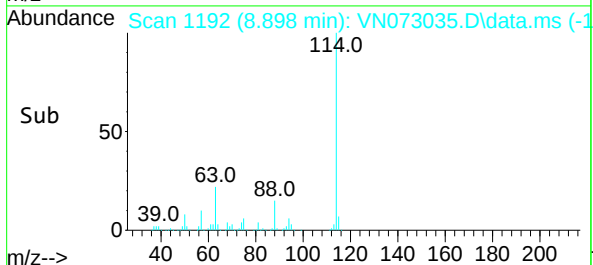
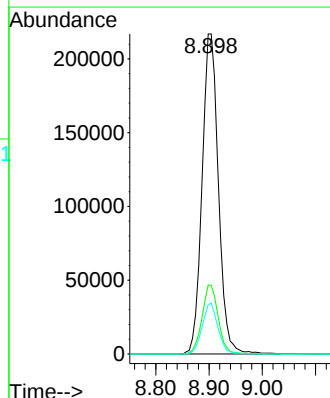
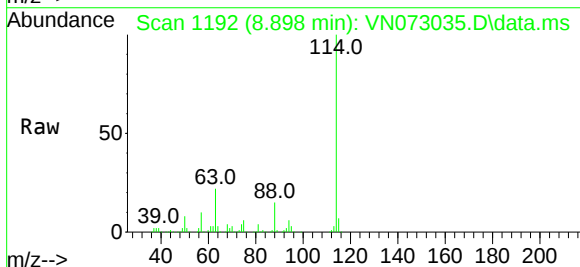
Tgt Ion: 114 Resp: 461663

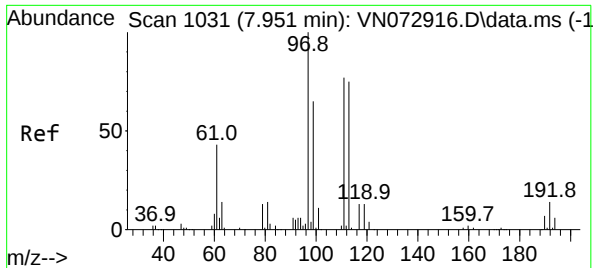
Ion Ratio Lower Upper

114 100

63 21.5 0.0 40.0

88 15.4 0.0 32.6

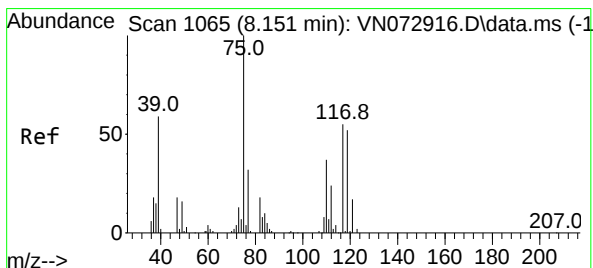
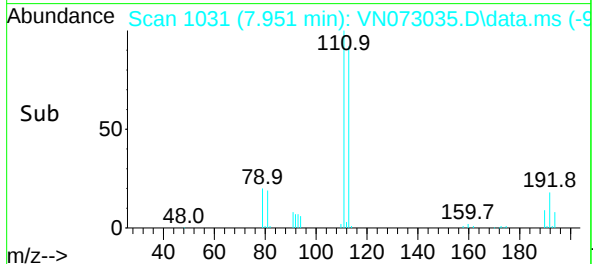
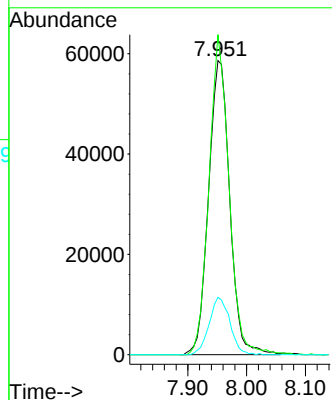
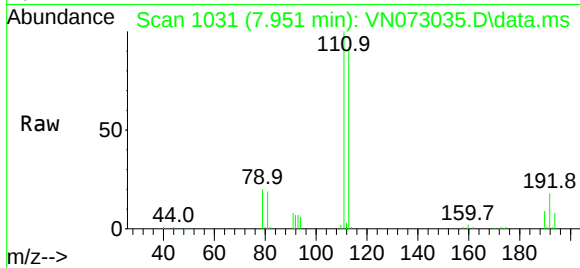




#35
Dibromofluoromethane
Concen: 51.465 ug/l
RT: 7.951 min Scan# 1043
Delta R.T. 0.000 min
Lab File: VN073035.D
Acq: 22 Jun 2022 19:19

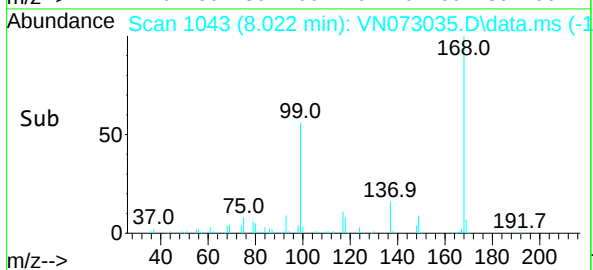
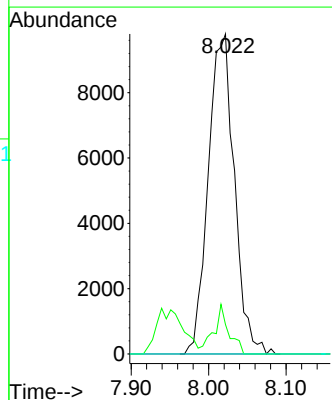
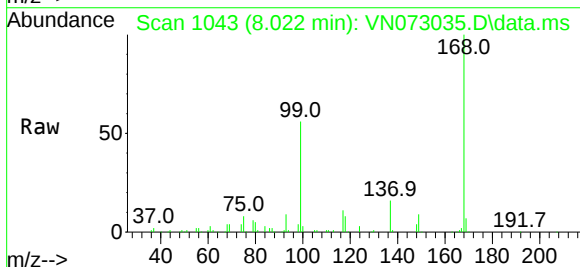
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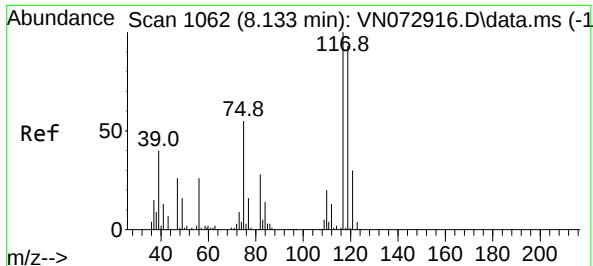
Tgt Ion:113 Resp: 146854
Ion Ratio Lower Upper
113 100
111 102.8 81.4 122.0
192 19.1 17.0 25.6



#36
1,1-Dichloropropene
Concen: 5.931 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.129 min
Lab File: VN073035.D
Acq: 22 Jun 2022 19:19

Tgt Ion: 75 Resp: 22900
Ion Ratio Lower Upper
75 100
110 8.9 18.3 54.8#
77 0.0 25.1 37.7#

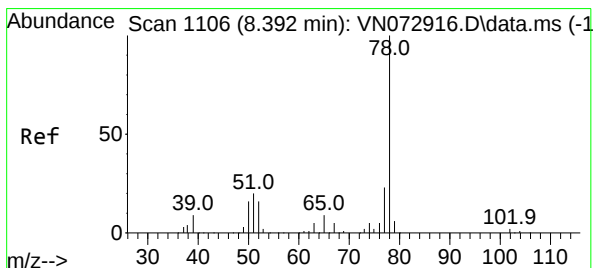
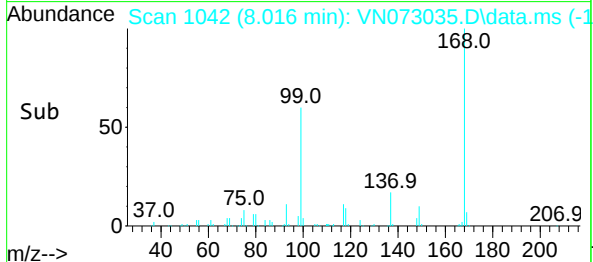
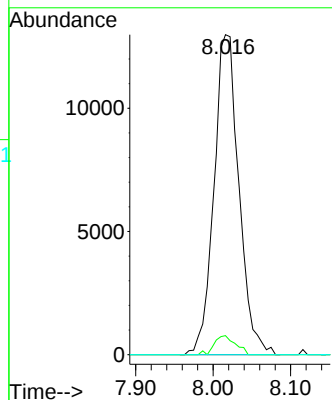
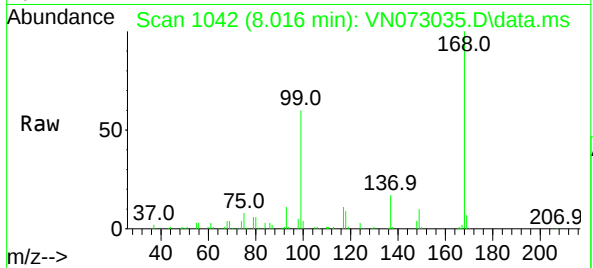




#38
Carbon Tetrachloride
Concen: 7.151 ug/l
RT: 8.016 min Scan# 1106
Delta R.T. -0.118 min
Lab File: VN073035.D
Acq: 22 Jun 2022 19:19

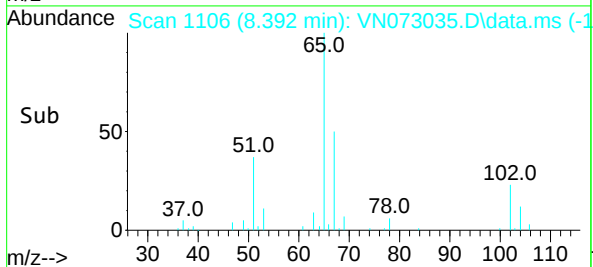
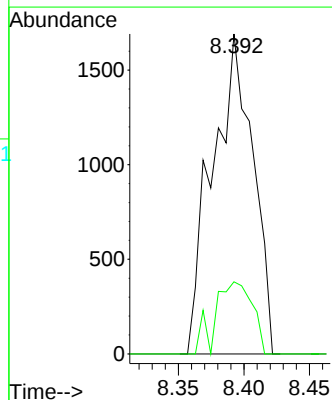
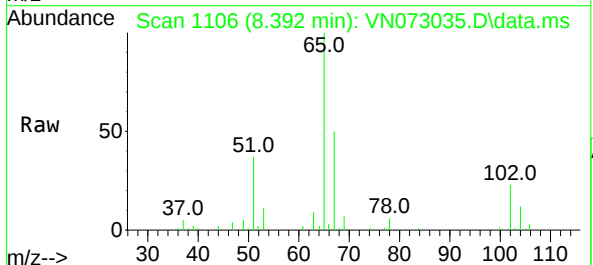
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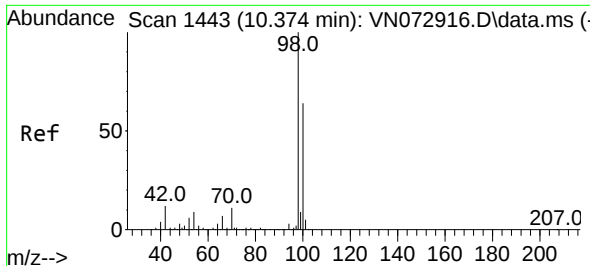
Tgt Ion:117 Resp: 29043
Ion Ratio Lower Upper
117 100
119 5.9 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.298 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN073035.D
Acq: 22 Jun 2022 19:19

Tgt Ion: 78 Resp: 3622
Ion Ratio Lower Upper
78 100
77 22.5 19.4 29.0

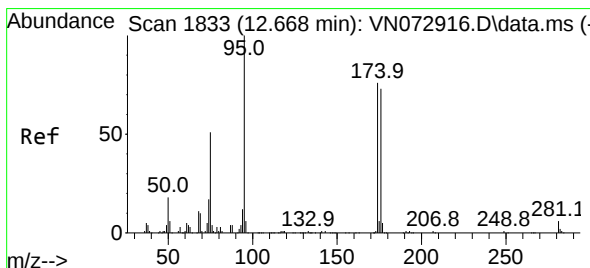
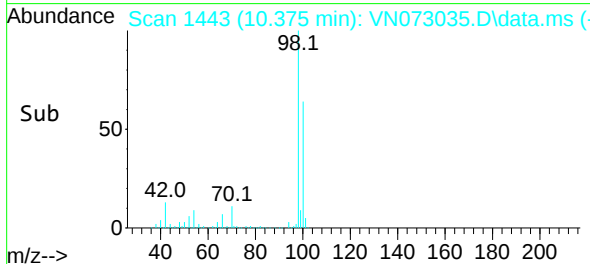
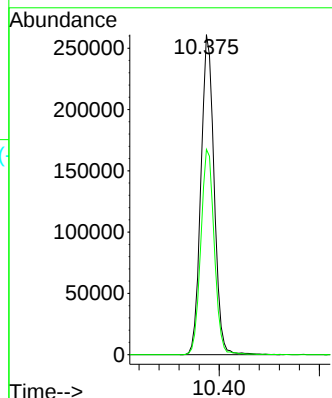
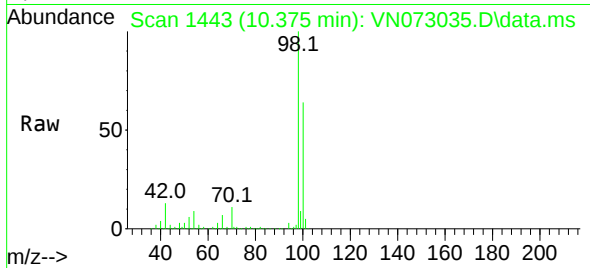




#50
Toluene-d8
Concen: 44.865 ug/l
RT: 10.375 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN073035.D
Acq: 22 Jun 2022 19:19

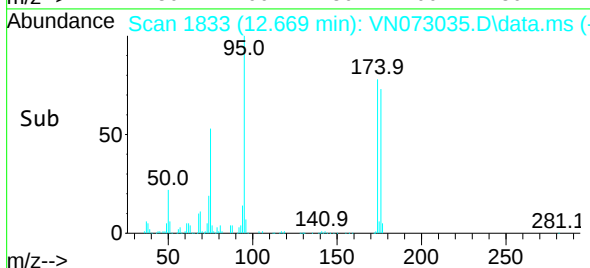
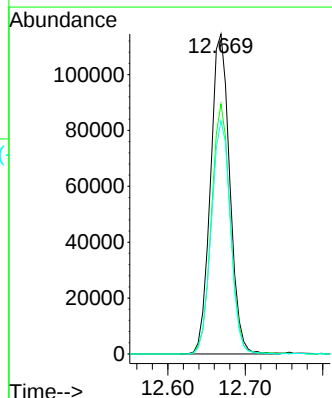
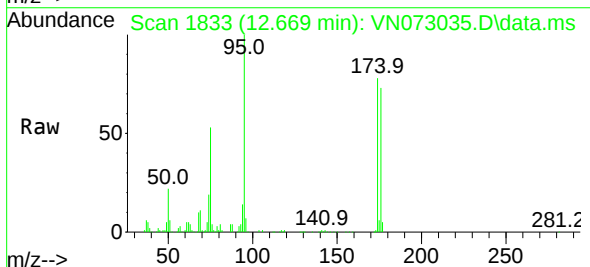
Instrument :
MSVOA_N
ClientSampleId :
MW-26

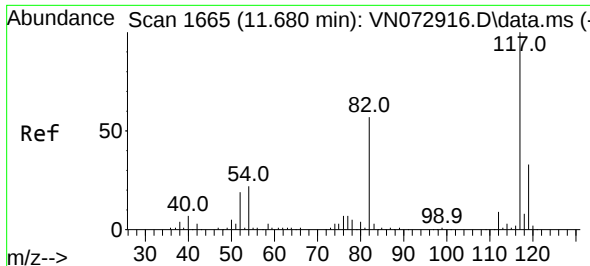
Tgt Ion: 98 Resp: 476372
Ion Ratio Lower Upper
98 100
100 65.5 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 51.746 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.000 min
Lab File: VN073035.D
Acq: 22 Jun 2022 19:19

Tgt Ion: 95 Resp: 197570
Ion Ratio Lower Upper
95 100
174 75.9 0.0 167.6
176 72.3 0.0 163.4

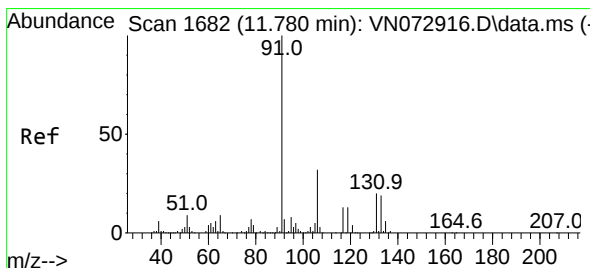
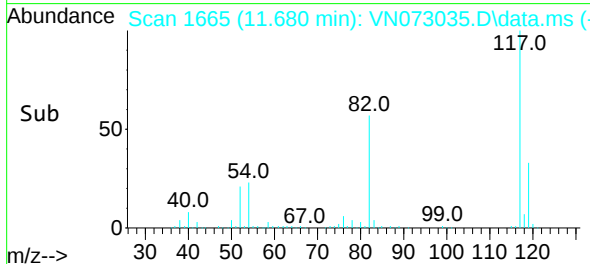
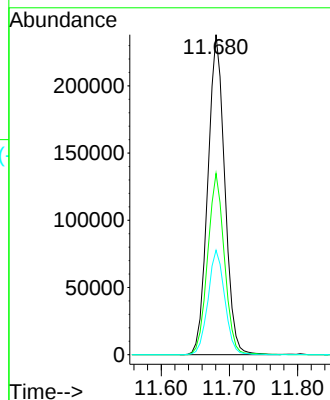
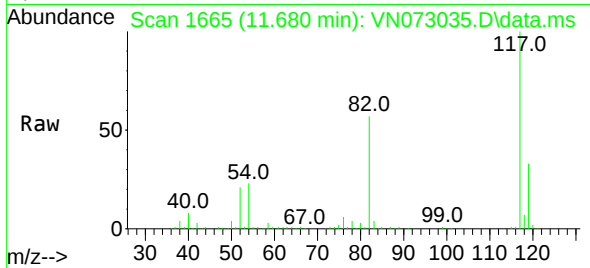




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.680 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN073035.D
Acq: 22 Jun 2022 19:19

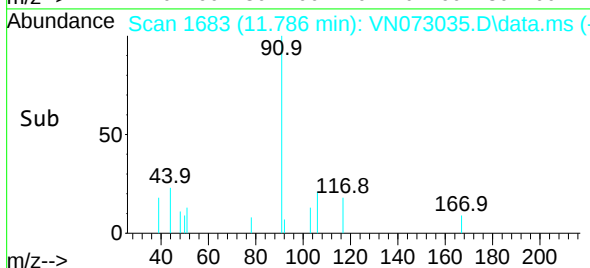
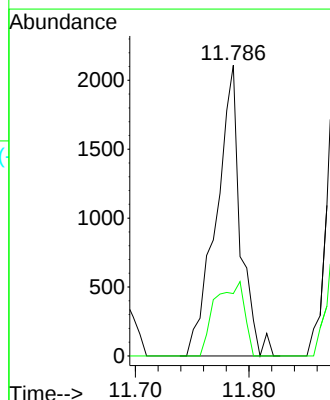
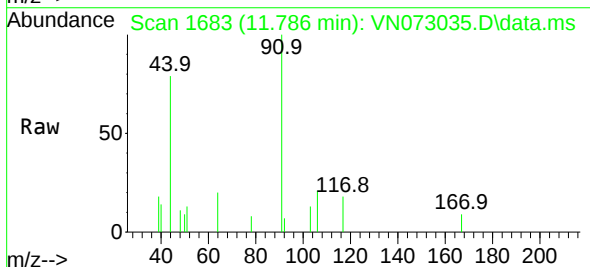
Instrument :
MSVOA_N
ClientSampleId :
MW-26

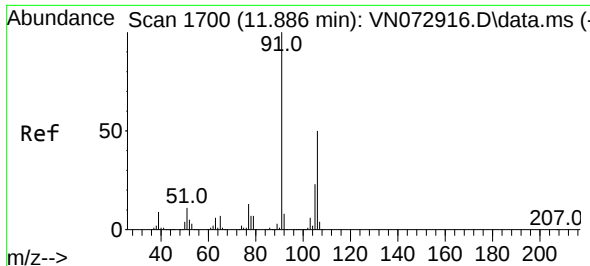
Tgt Ion:117 Resp: 411446
Ion Ratio Lower Upper
117 100
82 56.7 44.2 66.2
119 32.6 25.4 38.0



#67
Ethyl Benzene
Concen: 0.222 ug/l
RT: 11.786 min Scan# 1683
Delta R.T. 0.006 min
Lab File: VN073035.D
Acq: 22 Jun 2022 19:19

Tgt Ion: 91 Resp: 3137
Ion Ratio Lower Upper
91 100
106 21.4 24.9 37.3#

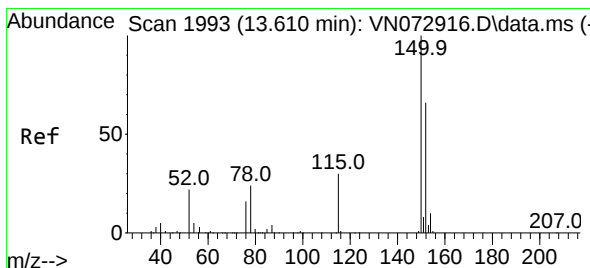
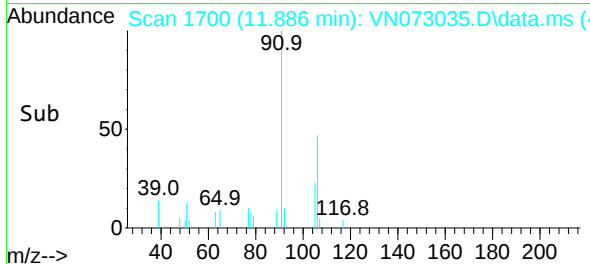
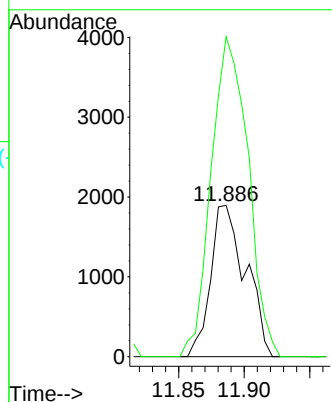
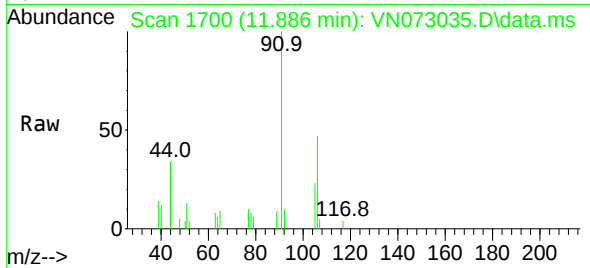




#68
m/p-Xylenes
Concen: 0.635 ug/l
RT: 11.886 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN073035.D
Acq: 22 Jun 2022 19:19

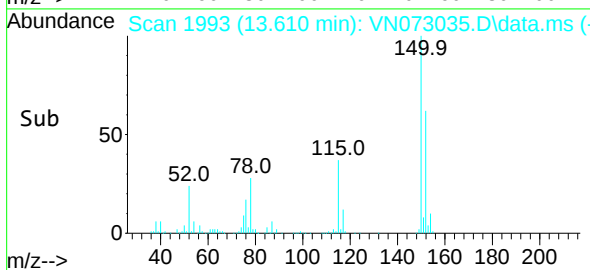
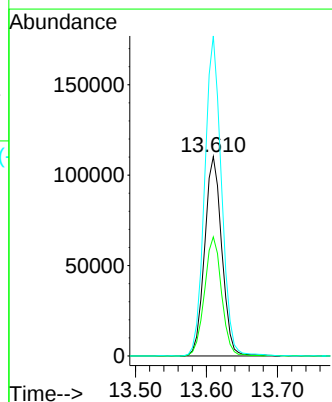
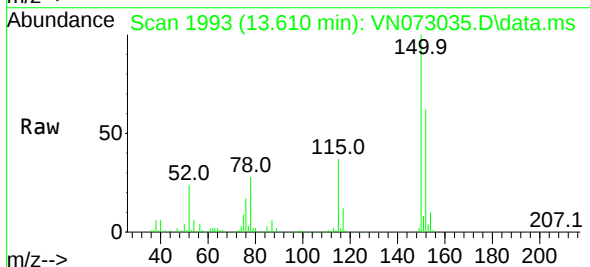
Instrument :
MSVOA_N
ClientSampleId :
MW-26

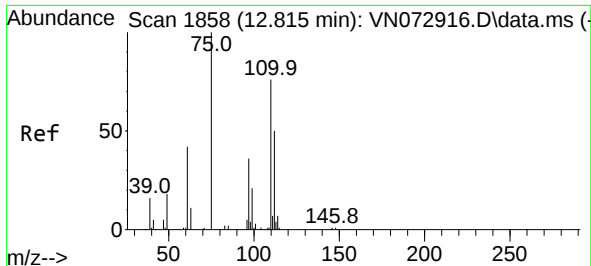
Tgt Ion:106 Resp: 3525
Ion Ratio Lower Upper
106 100
91 222.8 158.9 238.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.610 min Scan# 1993
Delta R.T. 0.000 min
Lab File: VN073035.D
Acq: 22 Jun 2022 19:19

Tgt Ion:152 Resp: 185542
Ion Ratio Lower Upper
152 100
115 59.3 28.9 86.7
150 157.2 0.0 356.2

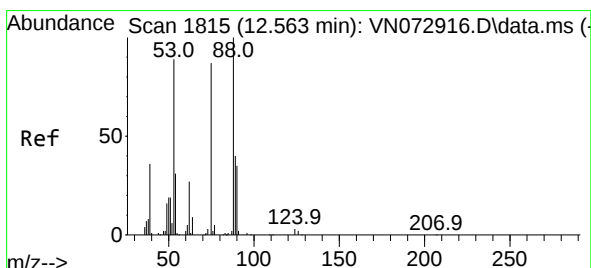
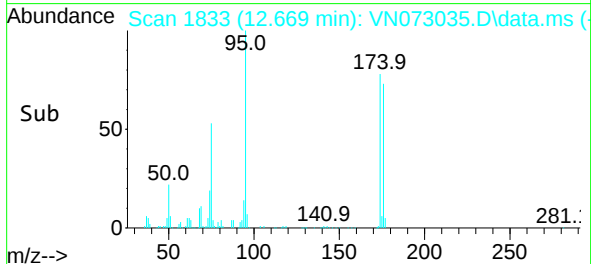
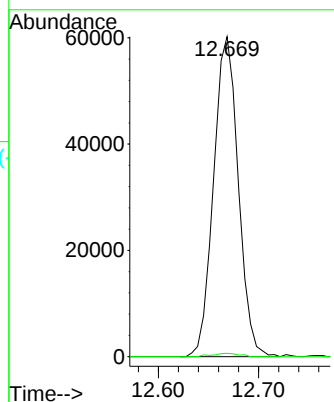
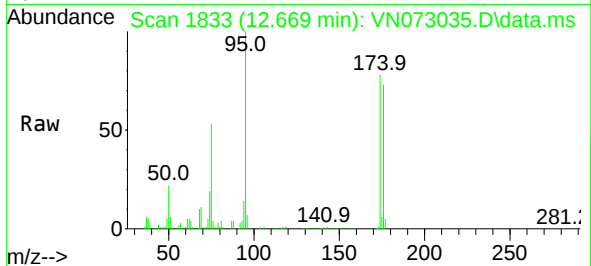




#76
 1,2,3-Trichloropropane
 Concen: 22.895 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. -0.147 min
 Lab File: VN073035.D
 Acq: 22 Jun 2022 19:19

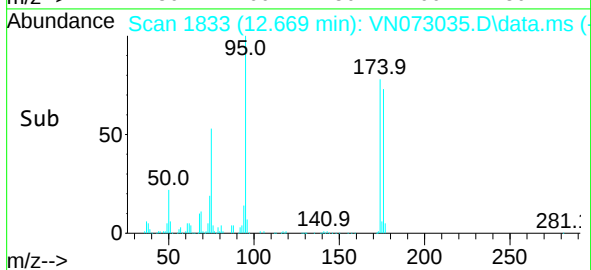
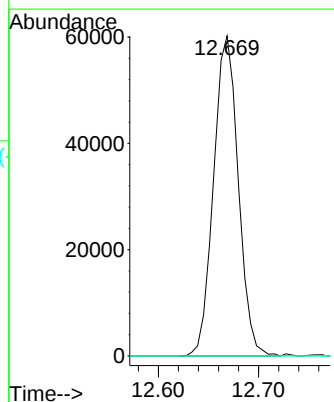
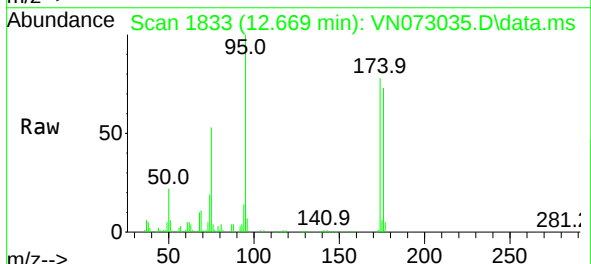
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-26

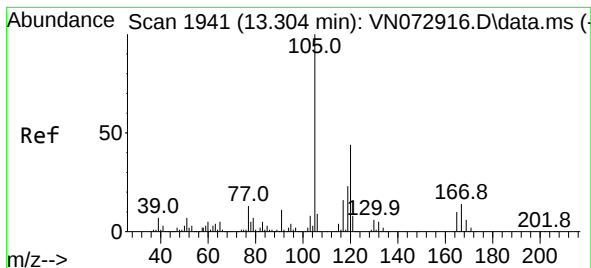
Tgt Ion: 75 Resp: 102994
 Ion Ratio Lower Upper
 75 100
 77 1.1 98.5 295.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.832 ug/l
 RT: 12.669 min Scan# 1833
 Delta R.T. 0.106 min
 Lab File: VN073035.D
 Acq: 22 Jun 2022 19:19

Tgt Ion: 75 Resp: 102994
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#





#84

1,2,4-Trimethylbenzene

Concen: 0.430 ug/l

RT: 13.304 min Scan# 1941

Delta R.T. 0.000 min

Lab File: VN073035.D

Acq: 22 Jun 2022 19:19

Instrument :

MSVOA_N

ClientSampleId :

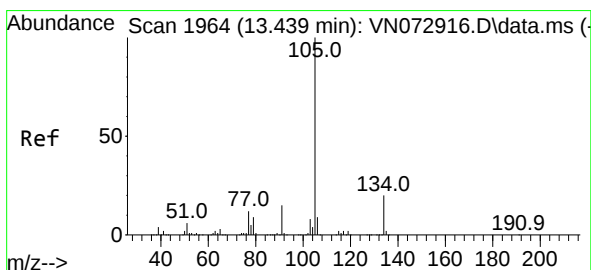
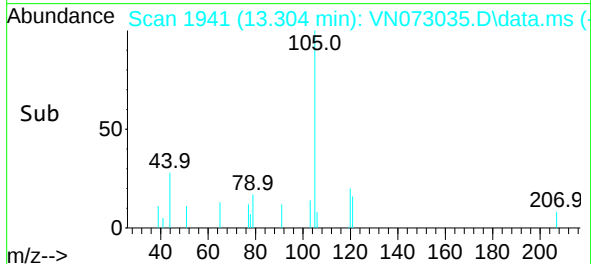
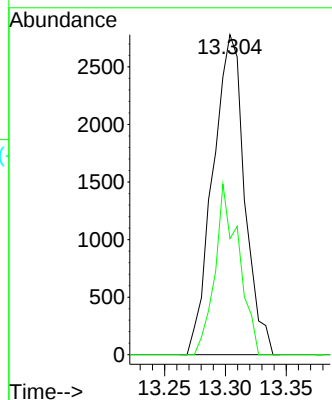
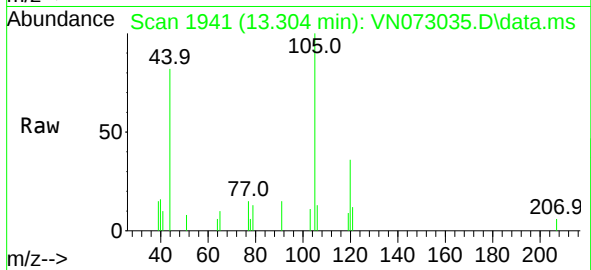
MW-26

Tgt Ion:105 Resp: 5051

Ion Ratio Lower Upper

105 100

120 39.9 23.3 69.8



#85

sec-Butylbenzene

Concen: 0.351 ug/l

RT: 13.304 min Scan# 1941

Delta R.T. -0.135 min

Lab File: VN073035.D

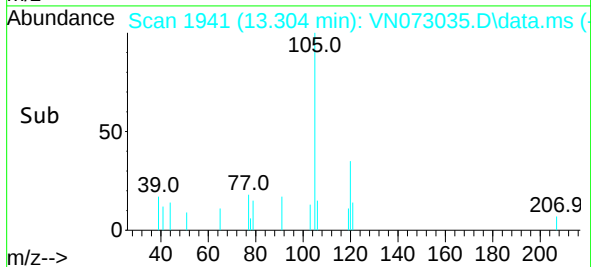
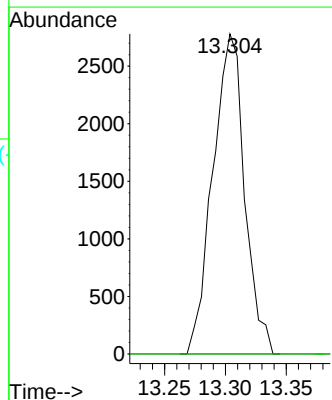
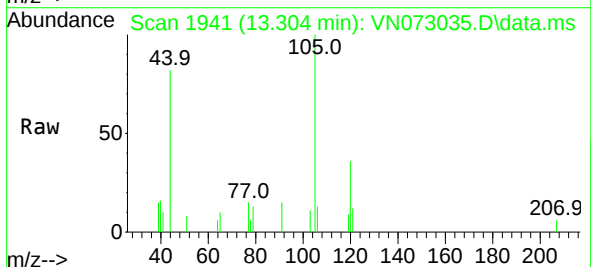
Acq: 22 Jun 2022 19:19

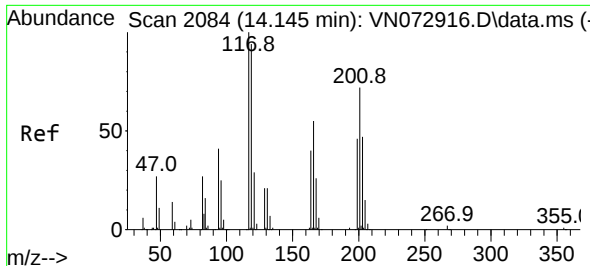
Tgt Ion:105 Resp: 5051

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.1#

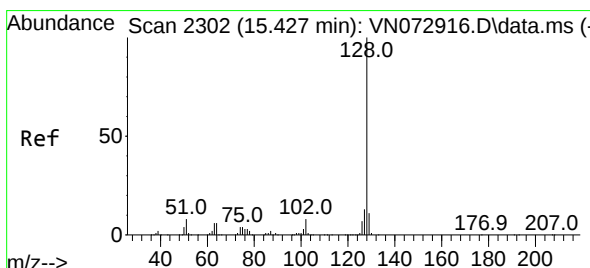
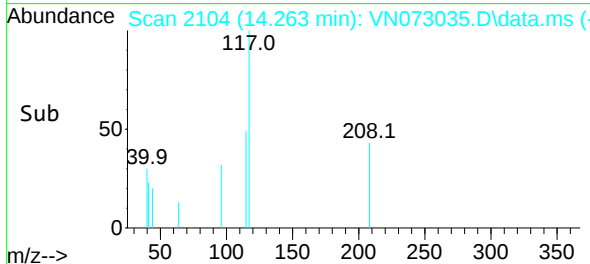
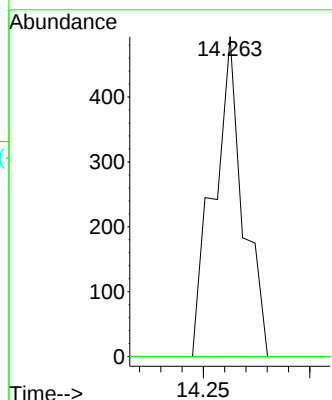
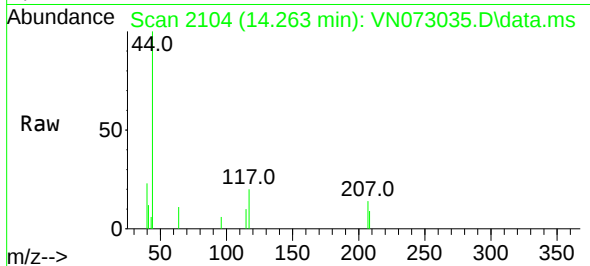




#90
Hexachloroethane
Concen: 0.215 ug/l
RT: 14.263 min Scan# 2104
Delta R.T. 0.118 min
Lab File: VN073035.D
Acq: 22 Jun 2022 19:19

Instrument :
MSVOA_N
ClientSampleId :
MW-26

Tgt Ion:117 Resp: 472
Ion Ratio Lower Upper
117 100
201 0.0 40.6 122.0#



#95
Naphthalene
Concen: 0.509 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. 0.006 min
Lab File: VN073035.D
Acq: 22 Jun 2022 19:19

Tgt Ion:128 Resp: 7290
Ion Ratio Lower Upper
128 100
127 11.9 10.3 15.5
129 11.5 8.6 13.0

