

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102122\
 Data File : VN074964.D
 Acq On : 21 Oct 2022 16:11
 Operator : JC\MD
 Sample : N5222-10
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-7

Quant Time: Oct 22 02:54:20 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 21 09:37:47 2022
 Response via : Initial Calibration

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

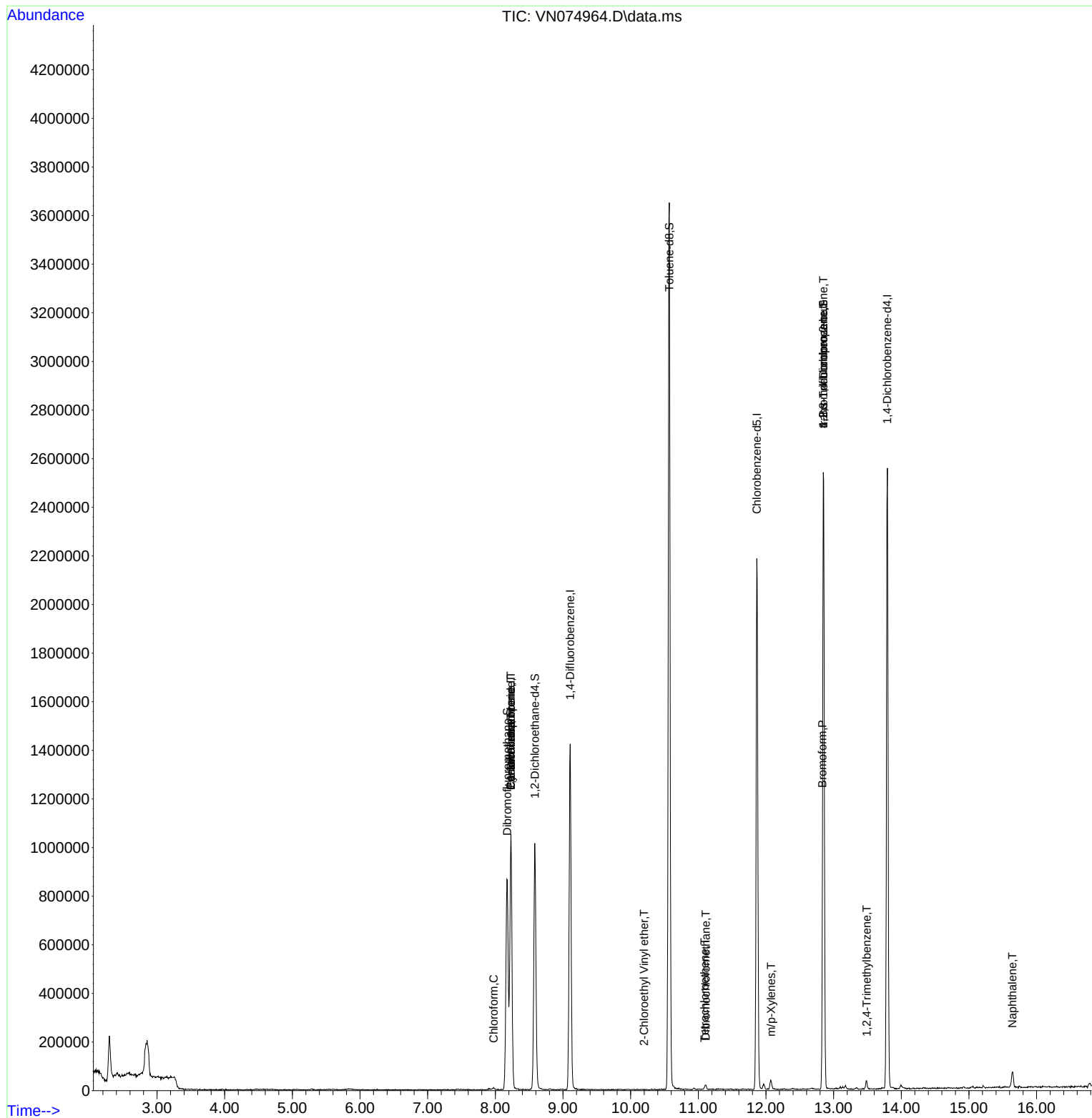
Internal Standards						
1) Pentafluorobenzene	8.230	168	716989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	1232131	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	1251390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	667882	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	795894	41.780	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	83.560%
35) Dibromofluoromethane	8.177	113	620779	42.329	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	84.660%
50) Toluene-d8	10.571	98	2566304	45.609	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.220%
62) 4-Bromofluorobenzene	12.847	95	875818	44.126	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.260%
Target Compounds						
					Qvalue	
3) Chloromethane	2.371	50	7148	Below Cal		99
4) Vinyl Chloride	2.512	62	409	Below Cal	#	44
5) Bromomethane	2.954	94	3550	Below Cal	#	67
6) Chloroethane	3.248	64	7692	Below Cal	#	54
7) Trichlorofluoromethane	3.518	101	175	Below Cal	#	18
12) 1,1-Dichloroethene	4.383	96	54	Below Cal	#	1
13) Acrolein	4.212	56	957	Below Cal	#	64
16) Acetone	4.471	43	5596	Below Cal	#	63
17) Carbon Disulfide	4.706	76	441	Below Cal	#	74
20) Methylene Chloride	5.277	84	1106	Below Cal	#	72
21) trans-1,2-Dichloroethene	5.824	96	83	Below Cal	#	1
30) Chloroform	7.977	83	7389	0.265 ug/l	#	71
31) Cyclohexane	8.230	56	17375	0.893 ug/l	#	44
36) 1,1-Dichloropropene	8.230	75	64175	3.475 ug/l	#	52
38) Carbon Tetrachloride	8.230	117	78837	3.921 ug/l	#	19
58) 2-Chloroethyl Vinyl ether	10.200	63	396	3.646 ug/l	#	45
60) Dibromochloromethane	11.112	129	4464	0.273 ug/l	#	10
64) Tetrachloroethene	11.094	164	4176	0.408 ug/l	#	48
68) m/p-Xylenes	12.076	106	12978	0.495 ug/l		86
71) Bromoform	12.835	173	9045	0.840 ug/l	#	1
76) 1,2,3-Trichloropropane	12.847	75	485943	26.830 ug/l	#	1
81) trans-1,4-Dichloro-2-b...	12.847	75	485943	86.021 ug/l	#	10
84) 1,2,4-Trimethylbenzene	13.488	105	19567	0.411 ug/l		98
95) Naphthalene	15.641	128	61398	1.513 ug/l		98

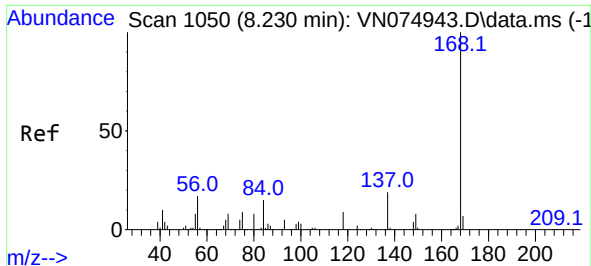
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N102022W.M
Quant Title : SW846 8260
QLast Update : Fri Oct 21 09:37:47 2022
Response via : Initial Calibration

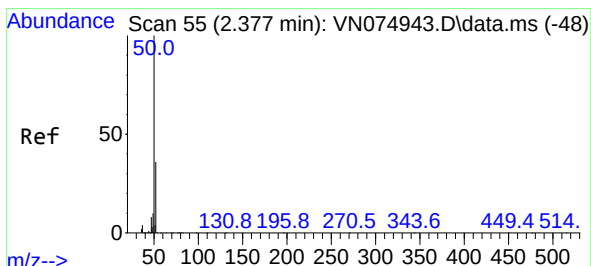
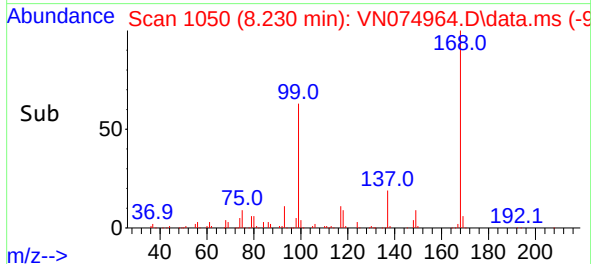
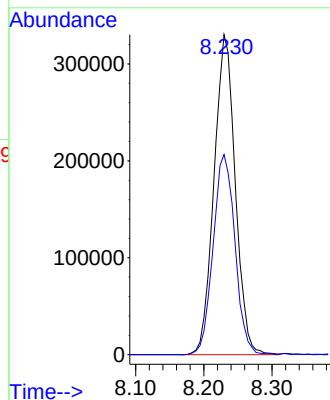
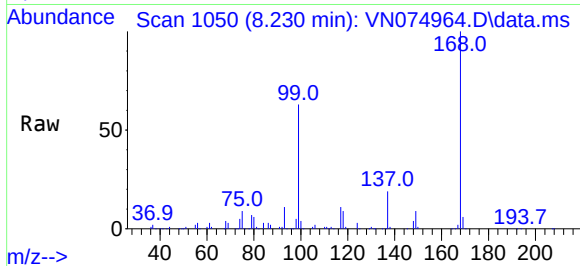




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

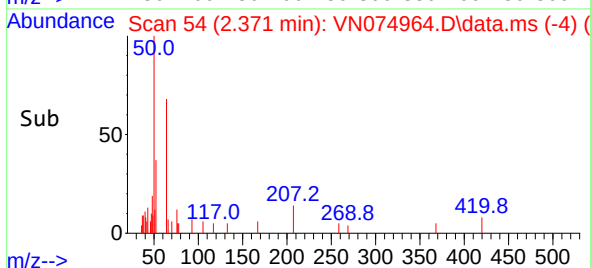
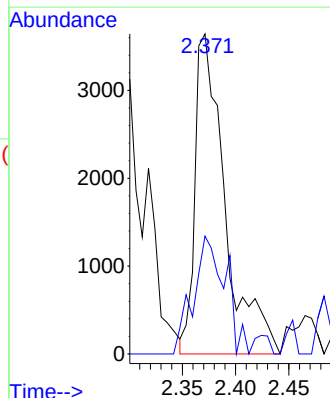
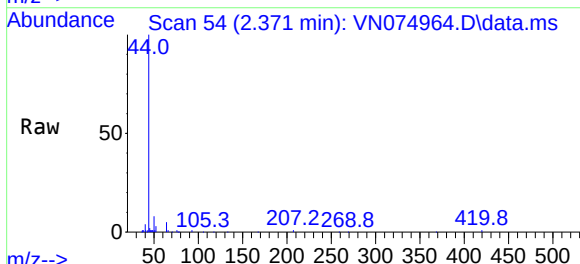
Instrument :
MSVOA_N
ClientSampleId :
MW-7

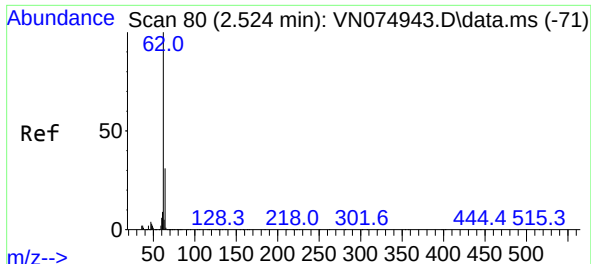
Tgt Ion:168 Resp: 716989
Ion Ratio Lower Upper
168 100
99 62.6 52.2 78.4



#3
Chloromethane
Concen: Below Cal
RT: 2.371 min Scan# 54
Delta R.T. -0.006 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

Tgt Ion: 50 Resp: 7148
Ion Ratio Lower Upper
50 100
52 36.8 28.8 43.2

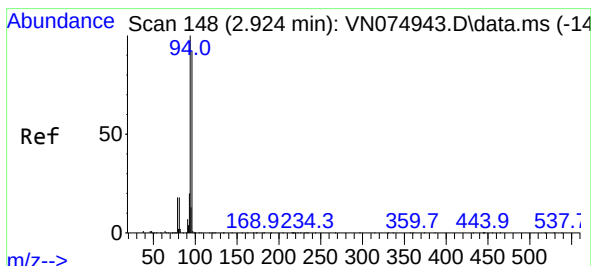
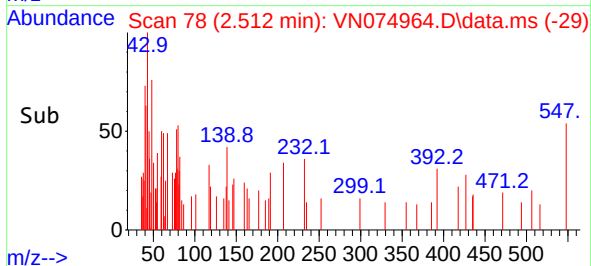
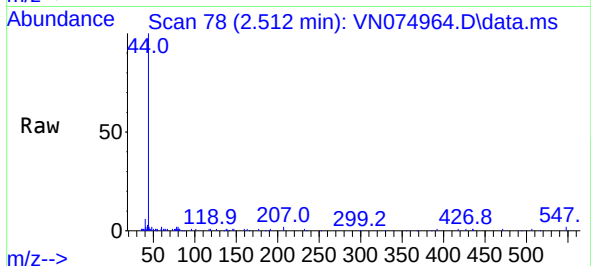




#4
Vinyl Chloride
Concen: Below Cal
RT: 2.512 min Scan# 71
Delta R.T. -0.012 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

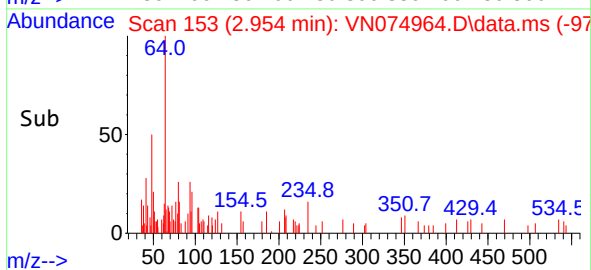
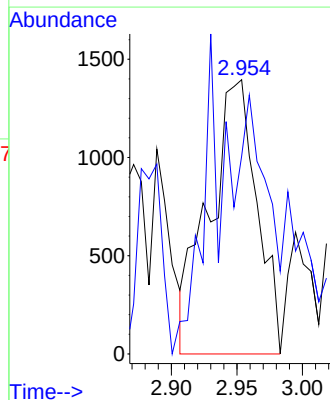
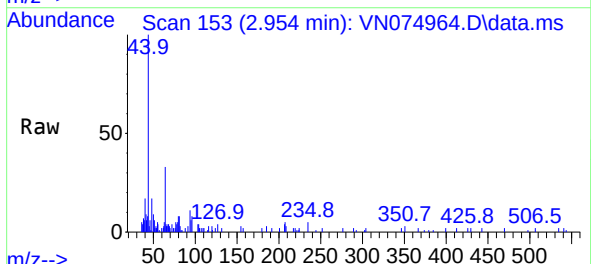
Instrument :
MSVOA_N
ClientSampleId :
MW-7

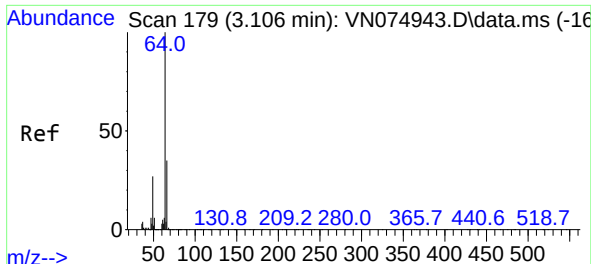
Tgt Ion: 62 Resp: 409
Ion Ratio Lower Upper
62 100
64 0.0 24.5 36.7#



#5
Bromomethane
Concen: Below Cal
RT: 2.954 min Scan# 153
Delta R.T. 0.030 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

Tgt Ion: 94 Resp: 3550
Ion Ratio Lower Upper
94 100
96 60.3 73.5 110.3#

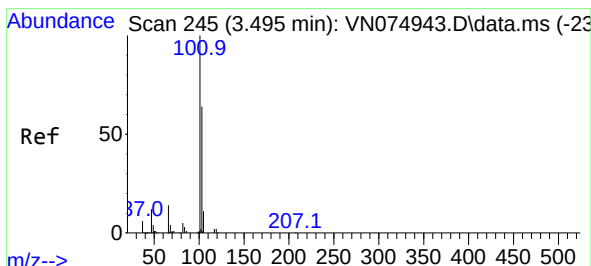
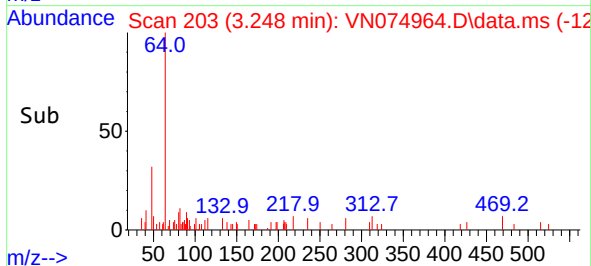
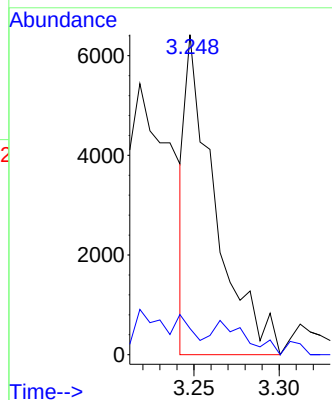
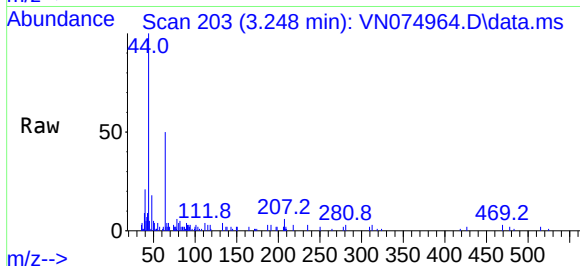




#6
Chloroethane
Concen: Below Cal
RT: 3.248 min Scan# 20
Delta R.T. 0.142 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

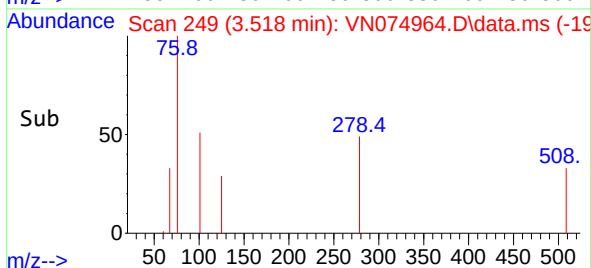
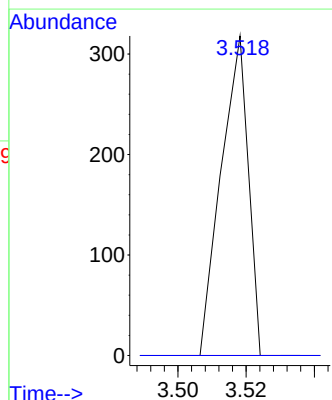
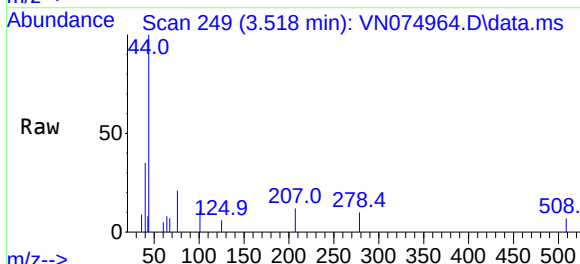
Instrument :
MSVOA_N
ClientSampleId :
MW-7

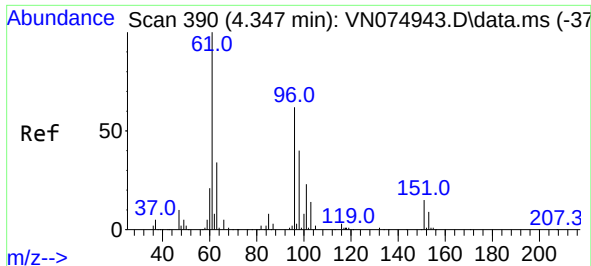
Tgt Ion: 64 Resp: 7692
Ion Ratio Lower Upper
64 100
66 8.2 27.9 41.9#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.518 min Scan# 249
Delta R.T. 0.023 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

Tgt Ion: 101 Resp: 175
Ion Ratio Lower Upper
101 100
103 0.0 51.5 77.3#





#12

1,1-Dichloroethene

Concen: Below Cal

RT: 4.383 min Scan# 390

Delta R.T. 0.036 min

Lab File: VN074964.D

Acq: 21 Oct 2022 16:11

Instrument :

MSVOA_N

ClientSampleId :

MW-7

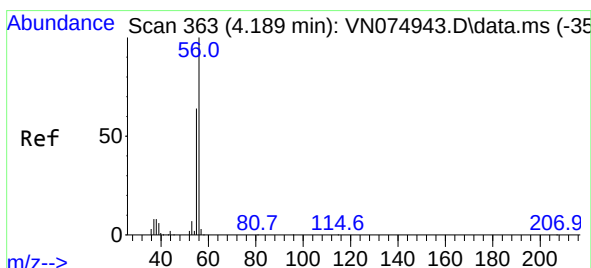
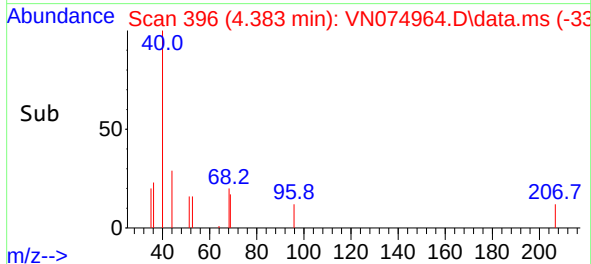
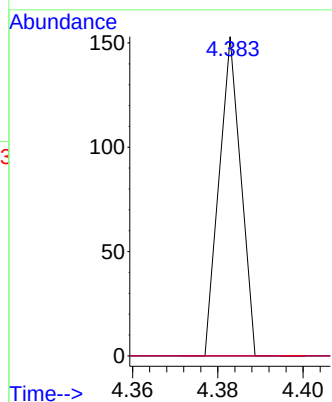
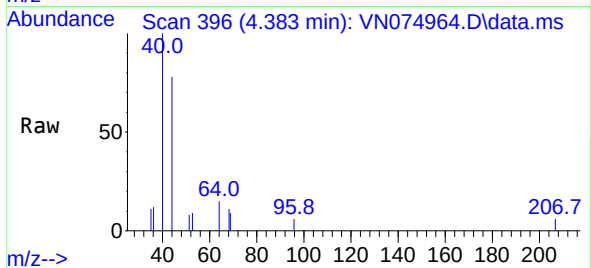
Tgt Ion: 96 Resp: 54

Ion Ratio Lower Upper

96 100

61 0.0 128.9 193.3#

98 0.0 51.8 77.8#



#13

Acrolein

Concen: Below Cal

RT: 4.212 min Scan# 367

Delta R.T. 0.023 min

Lab File: VN074964.D

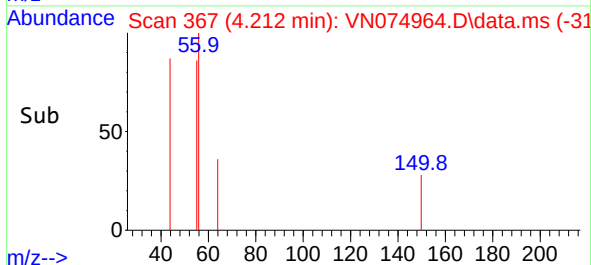
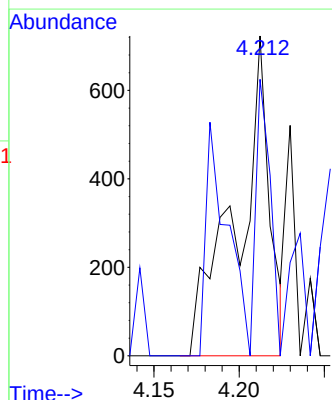
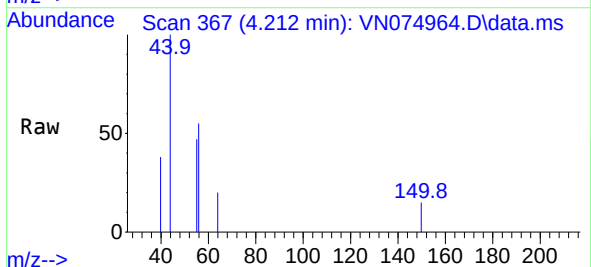
Acq: 21 Oct 2022 16:11

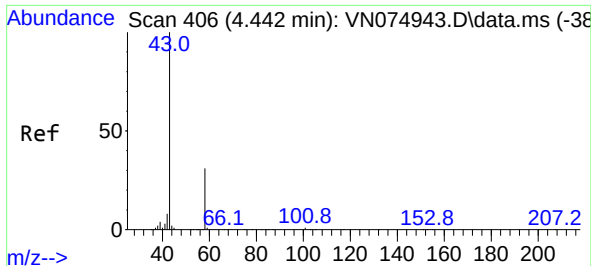
Tgt Ion: 56 Resp: 957

Ion Ratio Lower Upper

56 100

55 38.1 53.7 80.5#

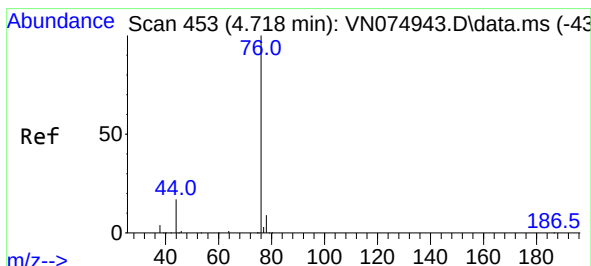
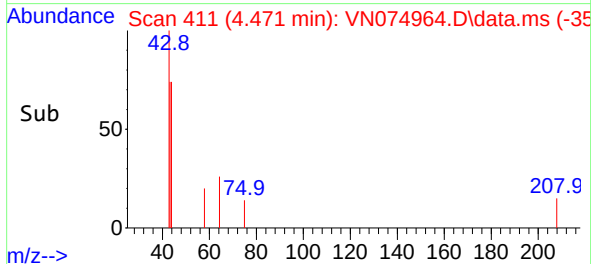
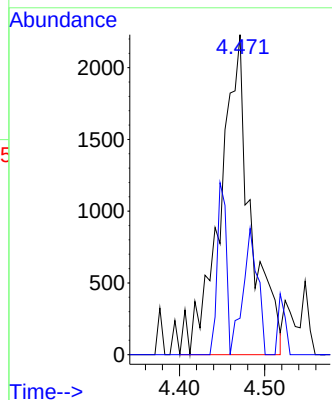
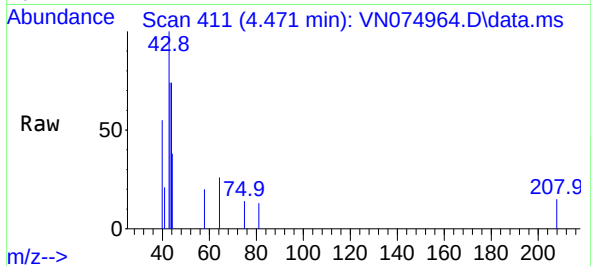




#16
Acetone
Concen: Below Cal
RT: 4.471 min Scan# 411
Delta R.T. 0.029 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

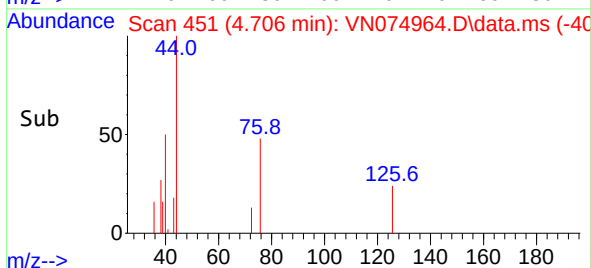
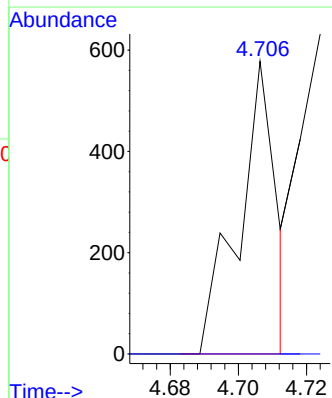
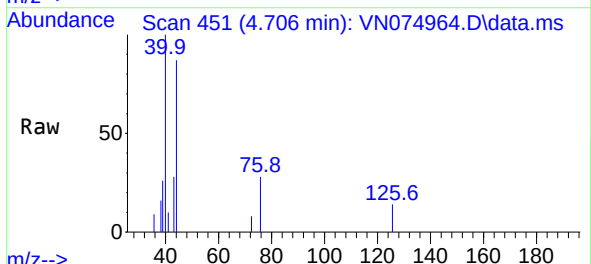
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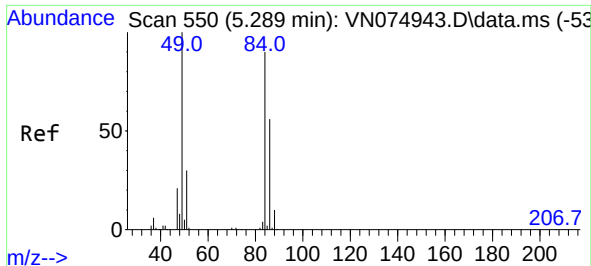
Tgt Ion: 43 Resp: 5596
Ion Ratio Lower Upper
43 100
58 11.4 25.7 38.5#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.706 min Scan# 451
Delta R.T. -0.012 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

Tgt Ion: 76 Resp: 441
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#

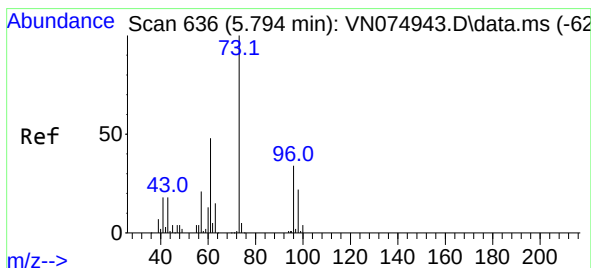
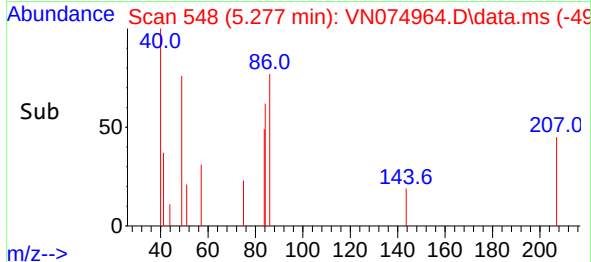
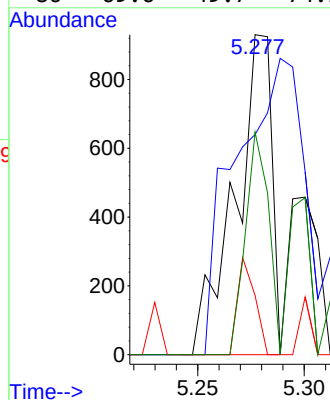
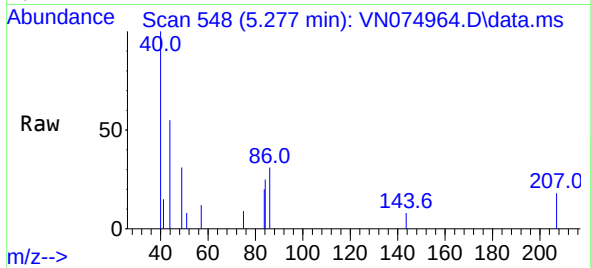




#20
Methylene Chloride
Concen: Below Cal
RT: 5.277 min Scan# 54
Delta R.T. -0.012 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

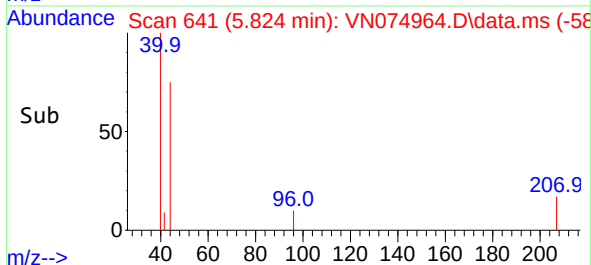
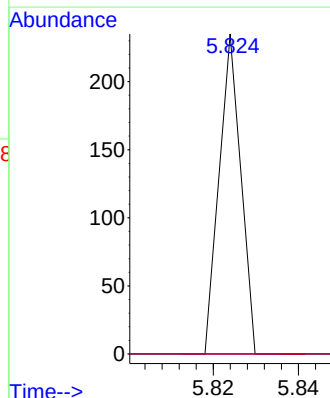
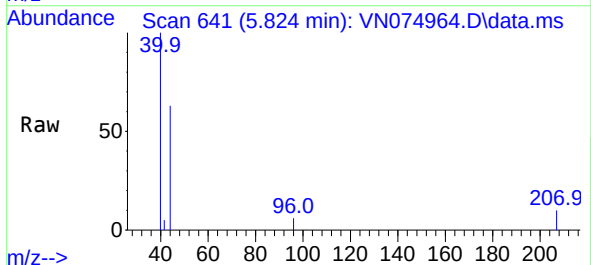
Instrument :
MSVOA_N
ClientSampleId :
MW-7

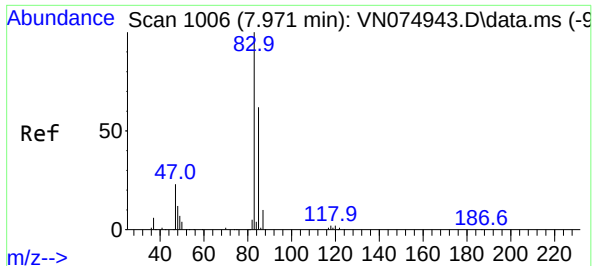
Tgt Ion:	84	Resp:	1106
Ion	Ratio	Lower	Upper
84	100		
49	68.8	88.6	133.0#
51	18.5	26.7	40.1#
86	69.6	49.7	74.5



#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 5.824 min Scan# 641
Delta R.T. 0.030 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

Tgt Ion:	96	Resp:	83
Ion	Ratio	Lower	Upper
96	100		
61	0.0	112.6	169.0#
98	0.0	52.4	78.6#





#30

Chloroform

Concen: 0.265 ug/l

RT: 7.977 min Scan# 10

Delta R.T. 0.006 min

Lab File: VN074964.D

Acq: 21 Oct 2022 16:11

Instrument :

MSVOA_N

ClientSampleId :

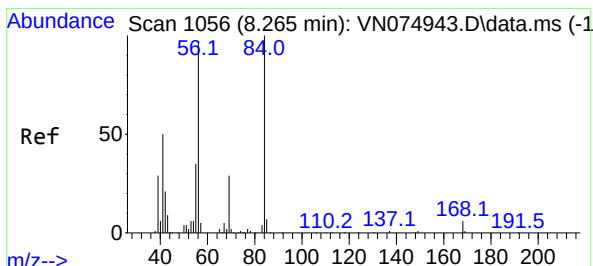
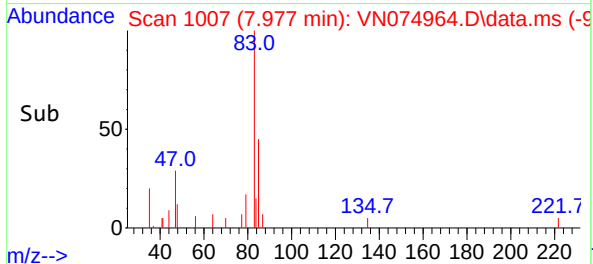
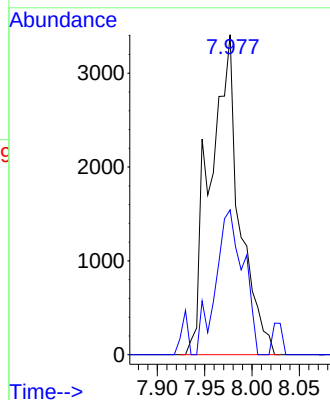
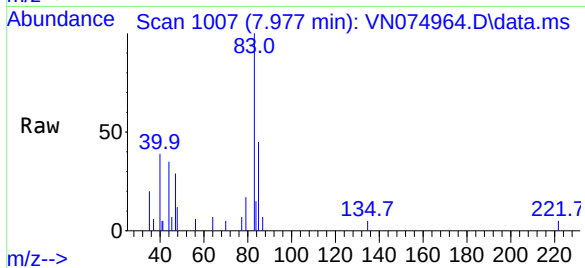
MW-7

Tgt Ion: 83 Resp: 7389

Ion Ratio Lower Upper

83 100

85 40.4 49.9 74.9#



#31

Cyclohexane

Concen: 0.893 ug/l

RT: 8.230 min Scan# 1050

Delta R.T. -0.035 min

Lab File: VN074964.D

Acq: 21 Oct 2022 16:11

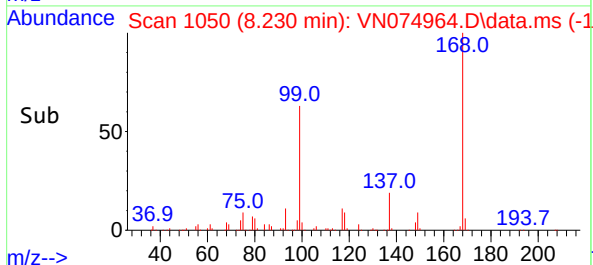
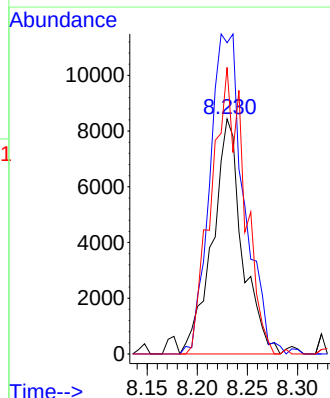
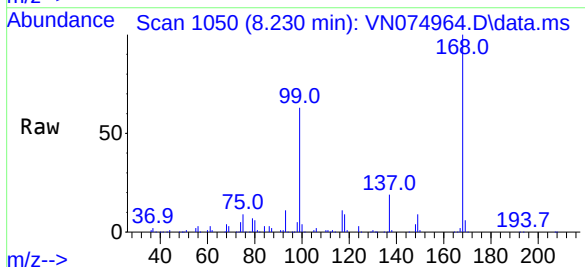
Tgt Ion: 56 Resp: 17375

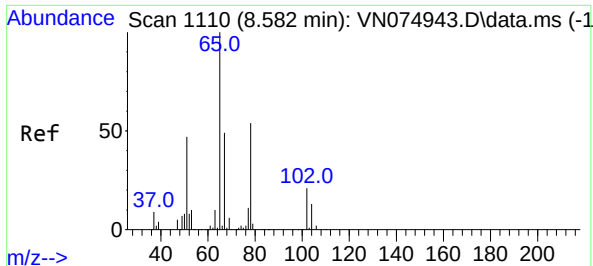
Ion Ratio Lower Upper

56 100

69 132.4 24.2 36.2#

84 121.9 82.8 124.2

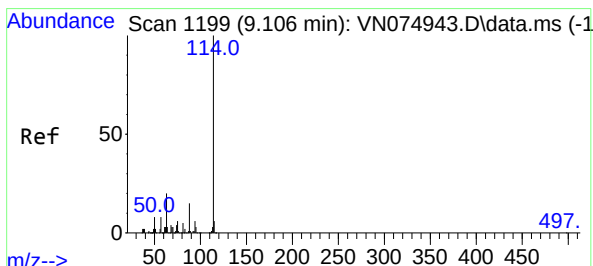
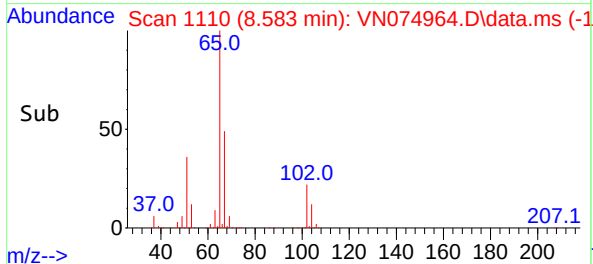
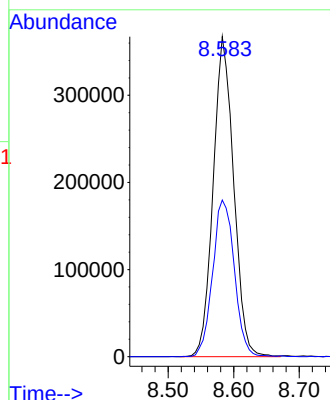
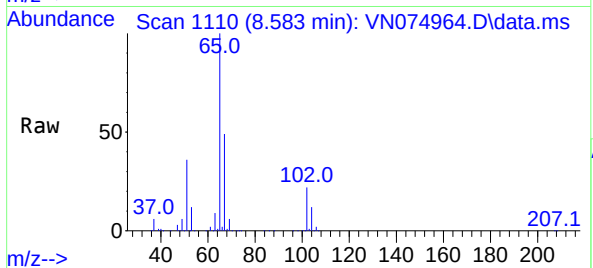




#33
1,2-Dichloroethane-d4
Concen: 41.780 ug/l
RT: 8.583 min Scan# 1110
Delta R.T. 0.000 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

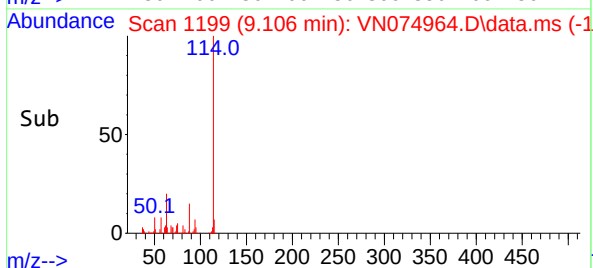
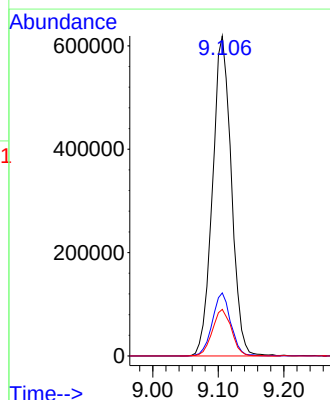
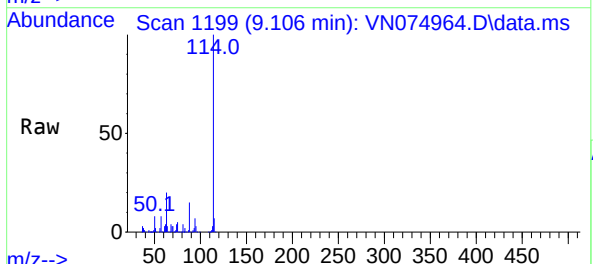
Instrument :
MSVOA_N
ClientSampleId :
MW-7

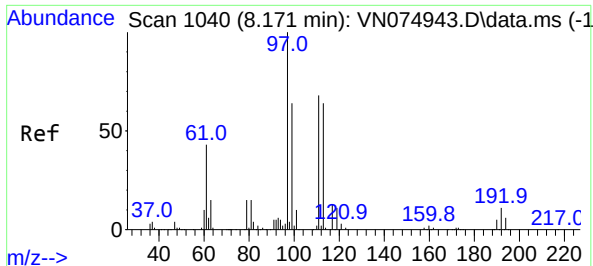
Tgt Ion: 65 Resp: 795894
Ion Ratio Lower Upper
65 100
67 51.9 0.0 102.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. 0.000 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

Tgt Ion: 114 Resp: 1232131
Ion Ratio Lower Upper
114 100
63 19.7 0.0 39.8
88 14.5 0.0 30.4

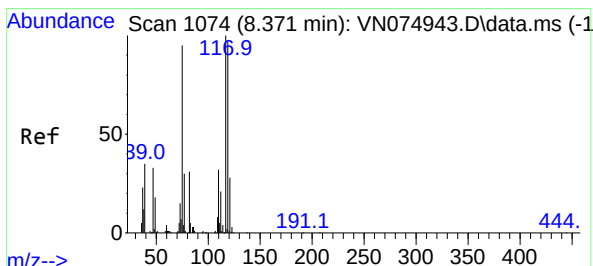
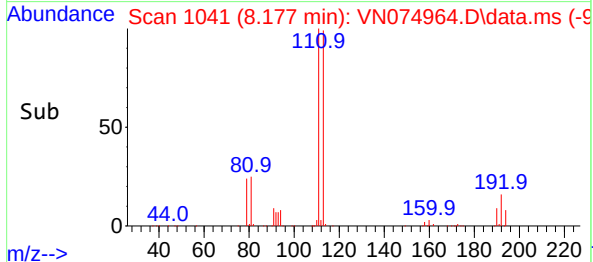
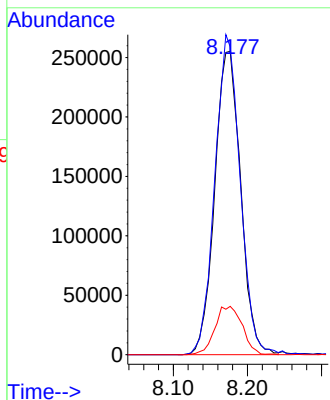
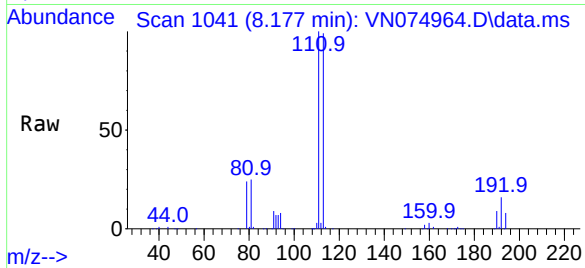




#35
Dibromofluoromethane
Concen: 42.329 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

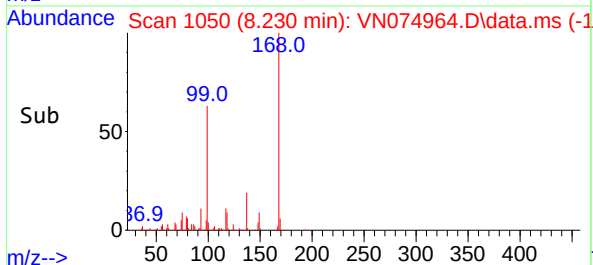
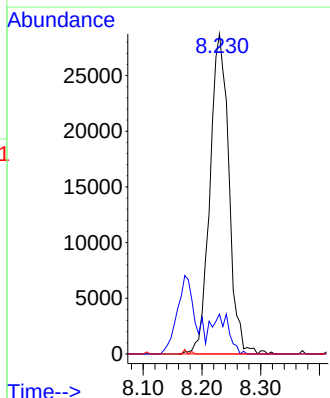
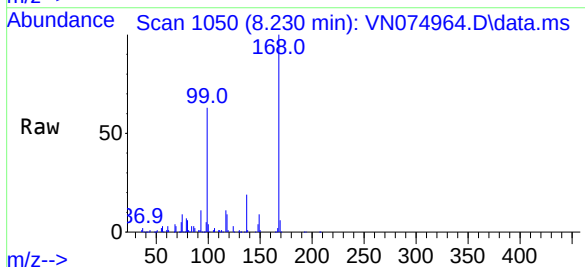
Instrument :
MSVOA_N
ClientSampleId :
MW-7

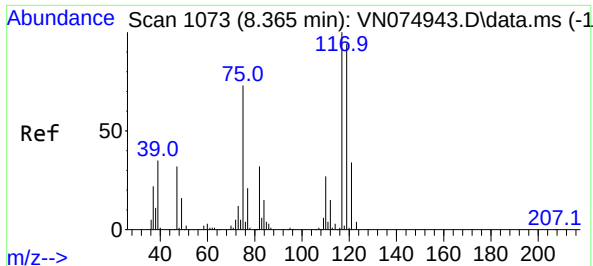
Tgt Ion:113 Resp: 620779
Ion Ratio Lower Upper
113 100
111 102.9 83.4 125.2
192 16.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 3.475 ug/l
RT: 8.230 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

Tgt Ion: 75 Resp: 64175
Ion Ratio Lower Upper
75 100
110 11.9 18.1 54.4#
77 0.0 25.0 37.4#

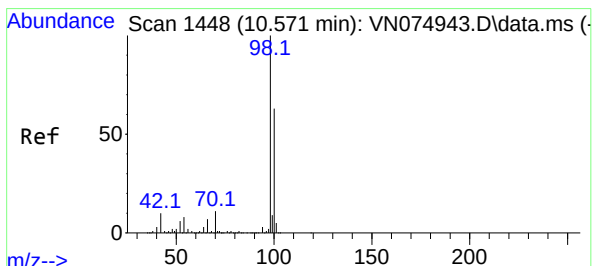
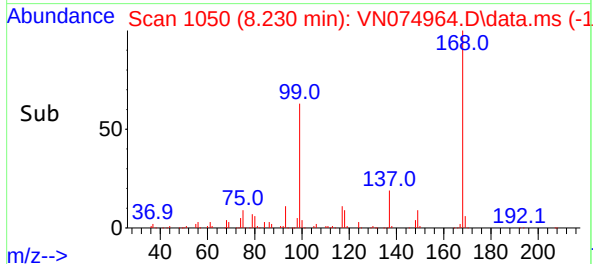
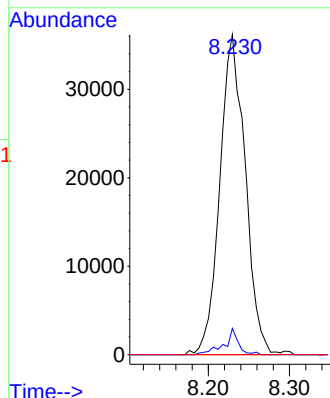
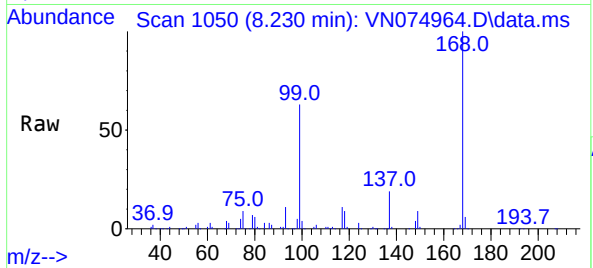




#38
Carbon Tetrachloride
Concen: 3.921 ug/l
RT: 8.230 min Scan# 1073
Delta R.T. -0.135 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

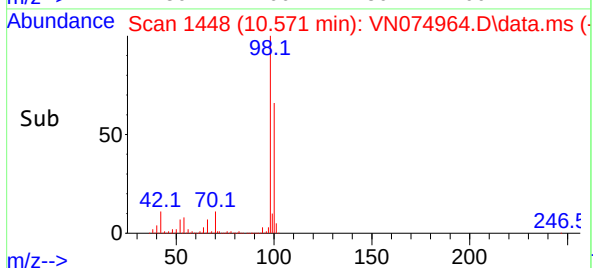
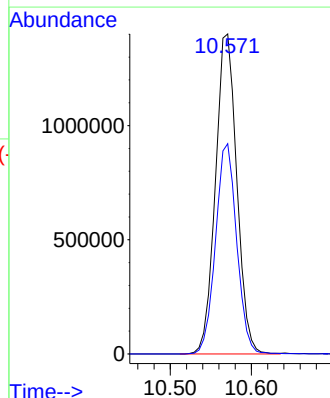
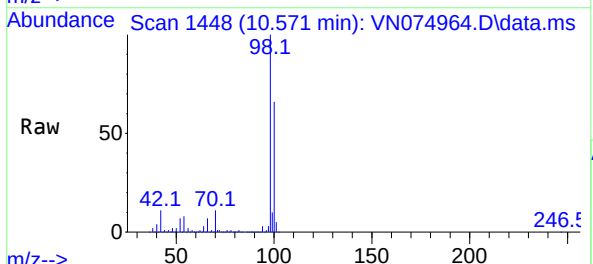
Instrument :
MSVOA_N
ClientSampleId :
MW-7

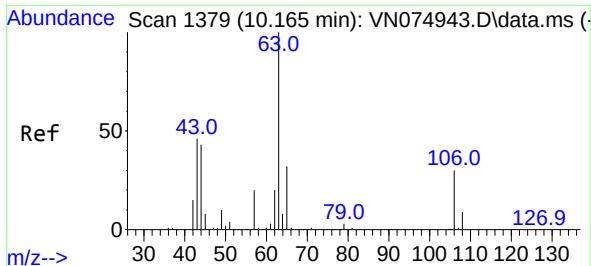
Tgt Ion:117 Resp: 78837
Ion Ratio Lower Upper
117 100
119 8.2 75.2 112.8#
121 0.0 27.0 40.6#



#50
Toluene-d8
Concen: 45.609 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. 0.000 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

Tgt Ion: 98 Resp: 2566304
Ion Ratio Lower Upper
98 100
100 65.0 51.4 77.2

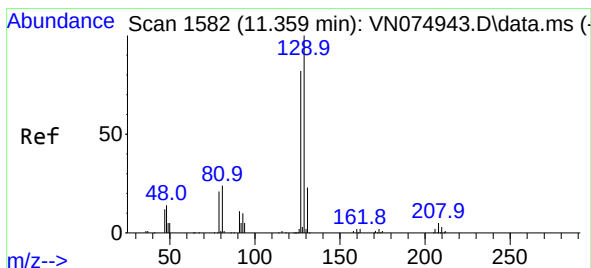
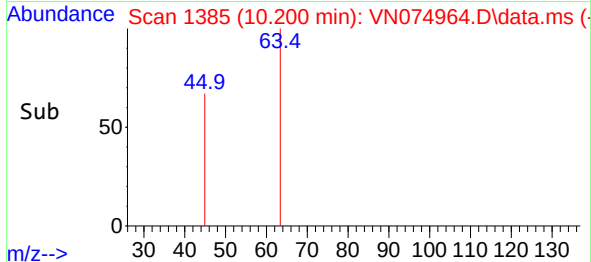
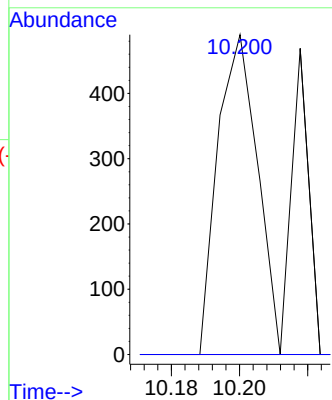
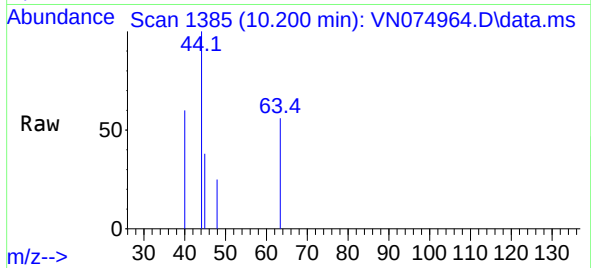




#58
2-Chloroethyl Vinyl ether
Concen: 3.646 ug/l
RT: 10.200 min Scan# 11
Delta R.T. 0.035 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

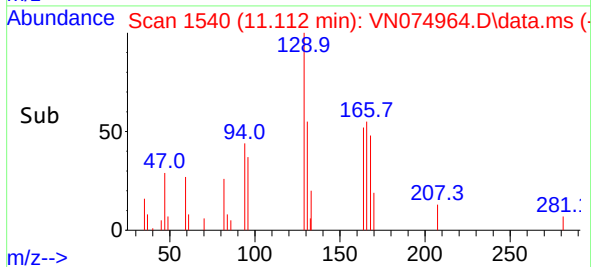
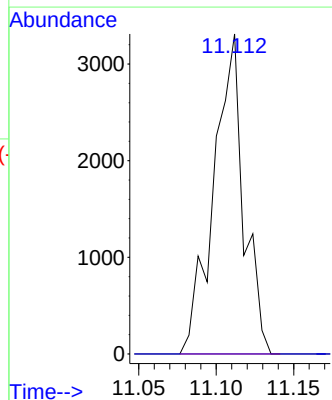
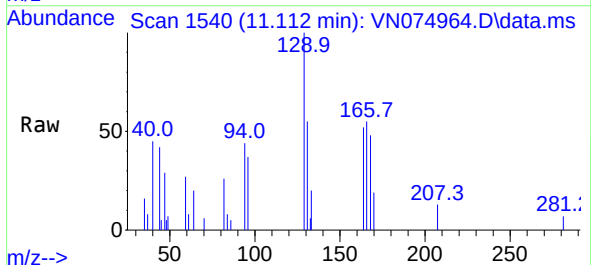
Instrument :
MSVOA_N
ClientSampleId :
MW-7

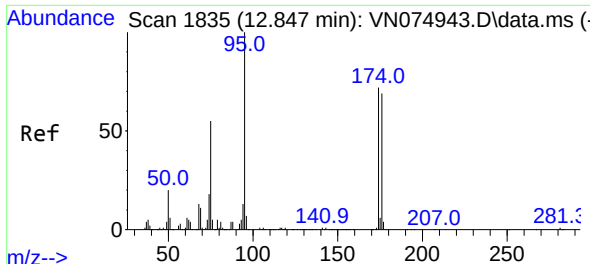
Tgt Ion: 63 Resp: 396
Ion Ratio Lower Upper
63 100
106 0.0 24.1 36.1#



#60
Dibromochloromethane
Concen: 0.273 ug/l
RT: 11.112 min Scan# 1540
Delta R.T. -0.247 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

Tgt Ion: 129 Resp: 4464
Ion Ratio Lower Upper
129 100
127 0.0 39.0 116.9#

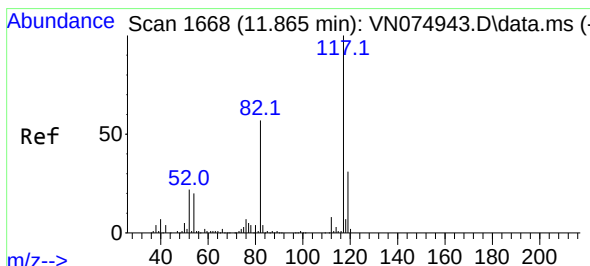
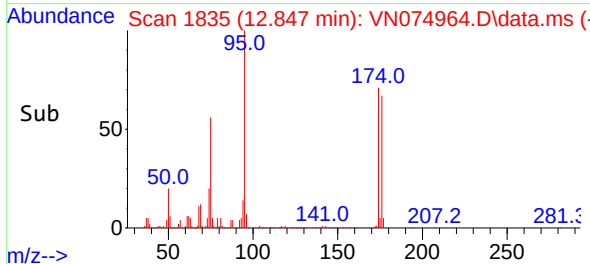
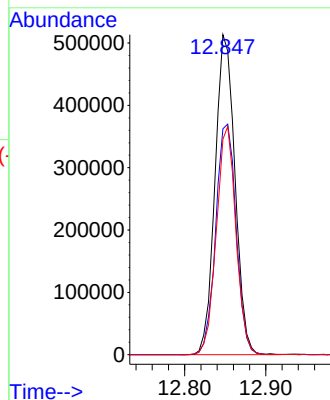
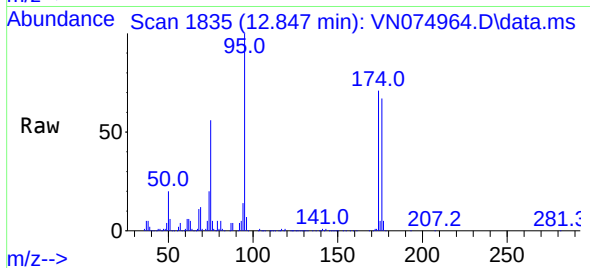




#62
4-Bromofluorobenzene
Concen: 44.126 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.000 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

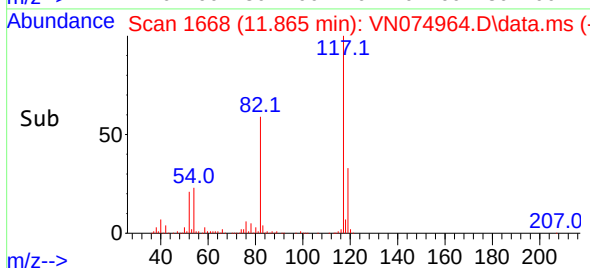
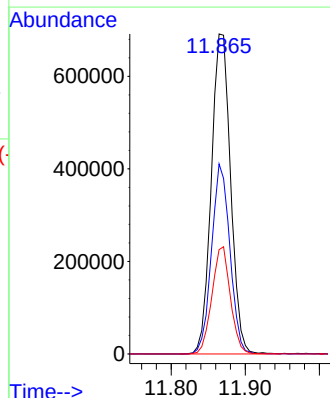
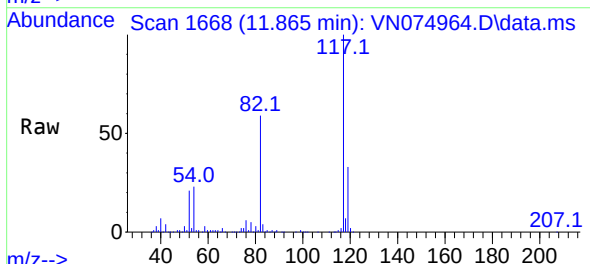
Instrument :
MSVOA_N
ClientSampleId :
MW-7

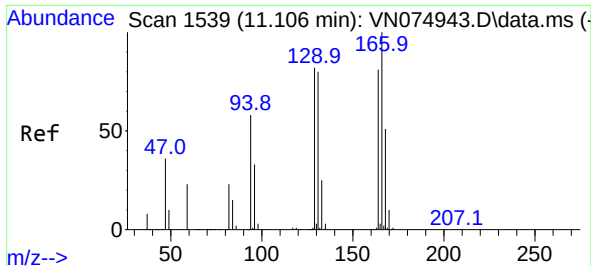
Tgt Ion: 95 Resp: 875818
Ion Ratio Lower Upper
95 100
174 73.9 0.0 143.0
176 69.9 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1668
Delta R.T. 0.000 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

Tgt Ion: 117 Resp: 1251390
Ion Ratio Lower Upper
117 100
82 59.4 45.6 68.4
119 32.6 25.1 37.7

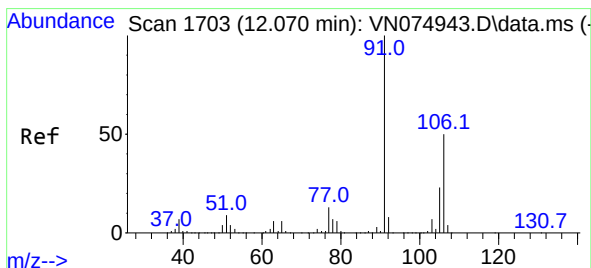
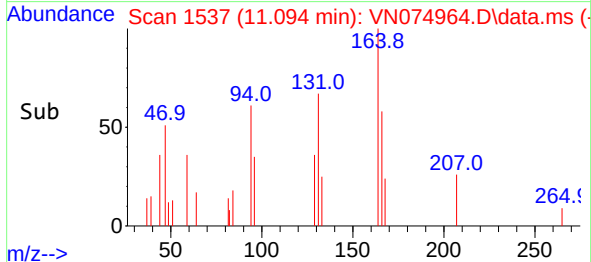
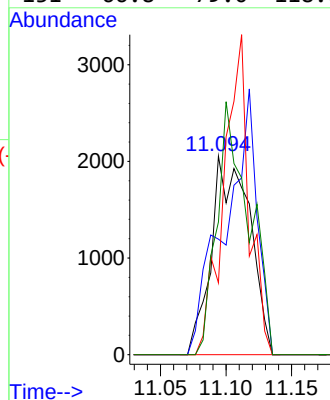
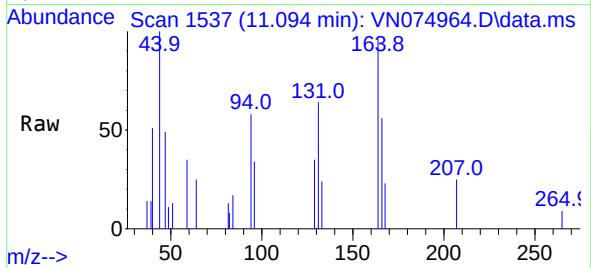




#64
Tetrachloroethene
Concen: 0.408 ug/l
RT: 11.094 min Scan# 1104
Delta R.T. -0.012 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

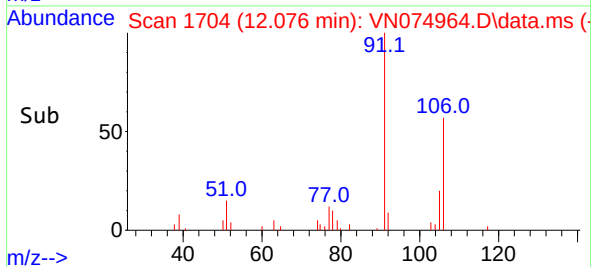
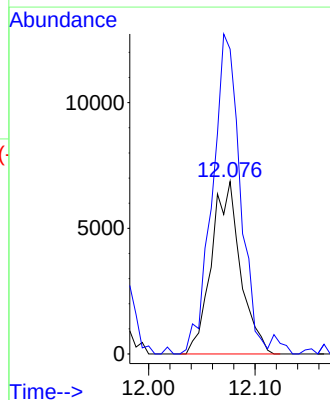
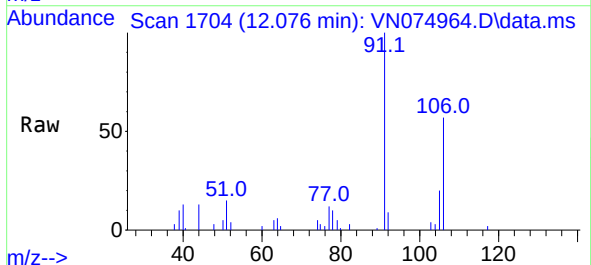
Instrument :
MSVOA_N
ClientSampleId :
MW-7

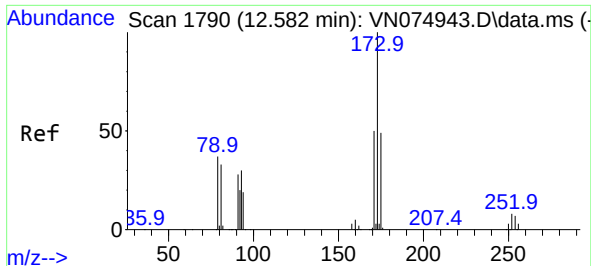
Tgt Ion:164 Resp: 4176
Ion Ratio Lower Upper
164 100
166 58.2 98.6 148.0#
129 36.2 81.2 121.8#
131 66.8 79.0 118.6#



#68
m/p-Xylenes
Concen: 0.495 ug/l
RT: 12.076 min Scan# 1704
Delta R.T. 0.006 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

Tgt Ion:106 Resp: 12978
Ion Ratio Lower Upper
106 100
91 178.4 159.7 239.5

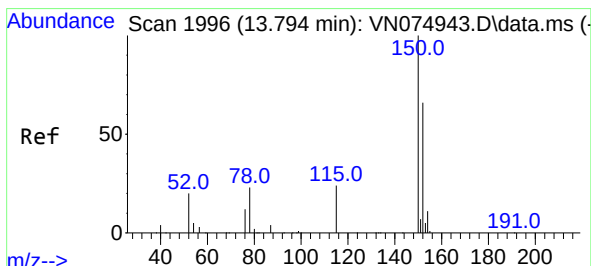
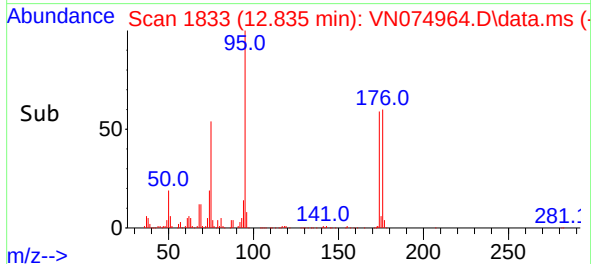
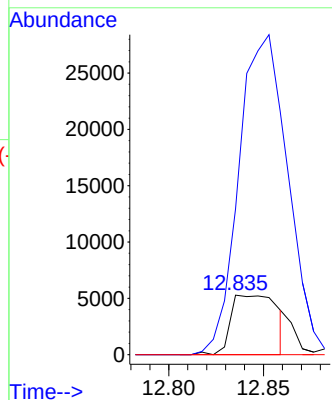
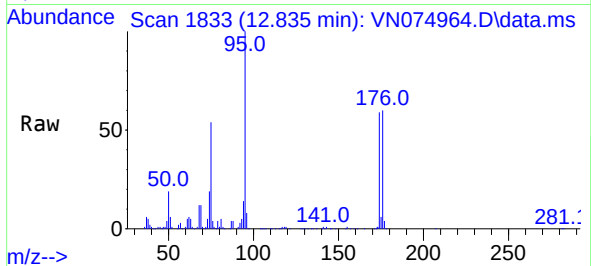




#71
Bromoform
Concen: 0.840 ug/l
RT: 12.835 min Scan# 1833
Delta R.T. 0.253 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

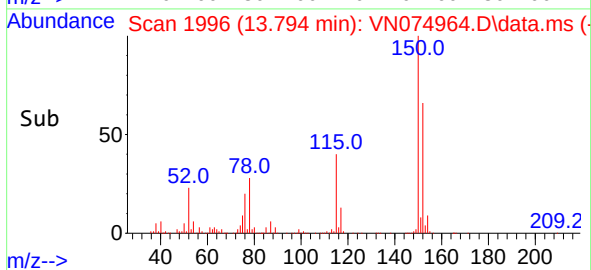
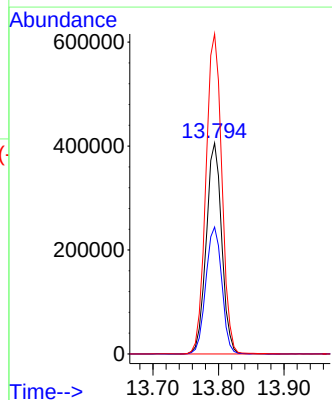
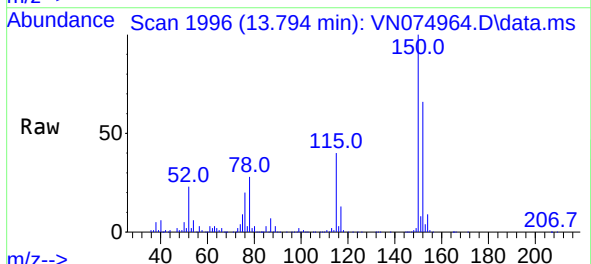
Instrument :
MSVOA_N
ClientSampleId :
MW-7

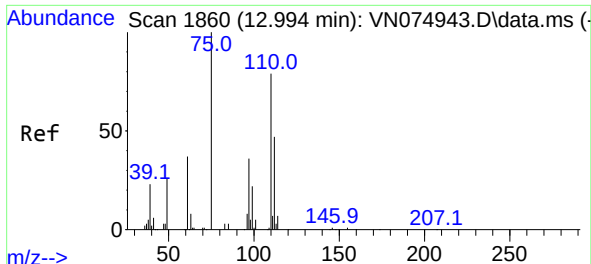
Tgt Ion:173 Resp: 9045
Ion Ratio Lower Upper
173 100
175 473.5 24.8 74.3#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. 0.000 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

Tgt Ion:152 Resp: 667882
Ion Ratio Lower Upper
152 100
115 62.0 31.3 93.8
150 156.1 0.0 349.6

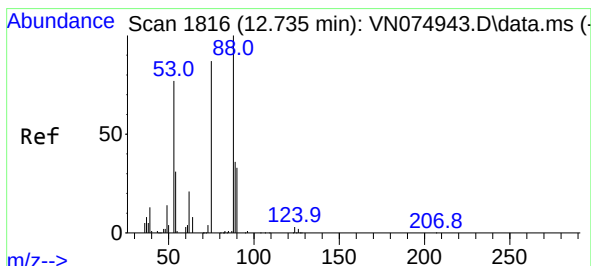
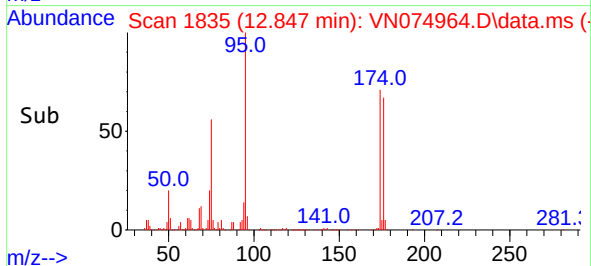
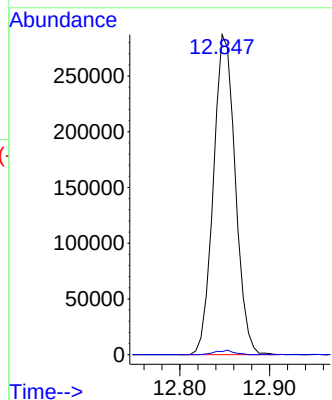
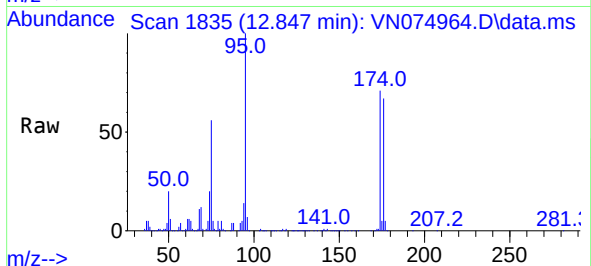




#76
1,2,3-Trichloropropane
Concen: 26.830 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. -0.147 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

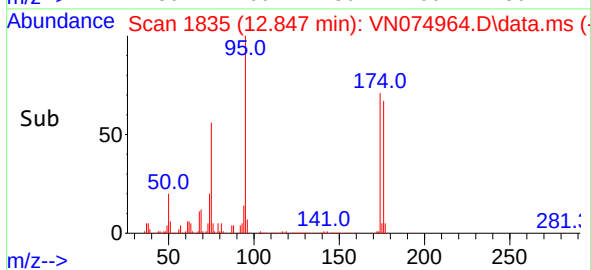
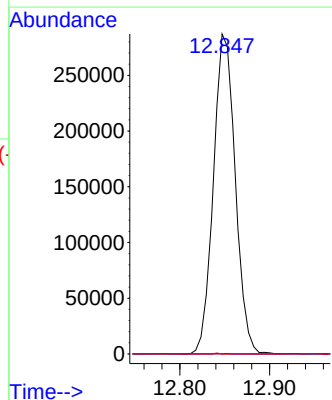
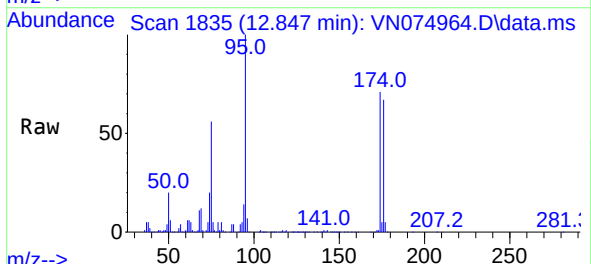
Instrument :
MSVOA_N
ClientSampleId :
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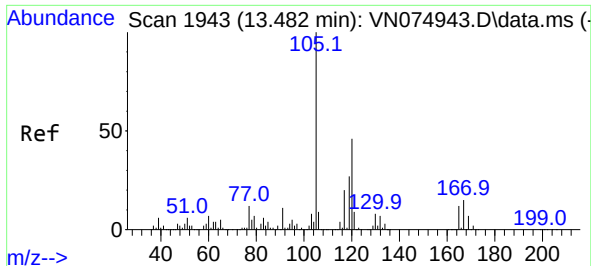
Tgt Ion: 75 Resp: 485943
Ion Ratio Lower Upper
75 100
77 1.2 81.0 243.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 86.021 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.112 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

Tgt Ion: 75 Resp: 485943
Ion Ratio Lower Upper
75 100
53 0.1 79.2 118.8#
89 0.1 37.9 56.9#

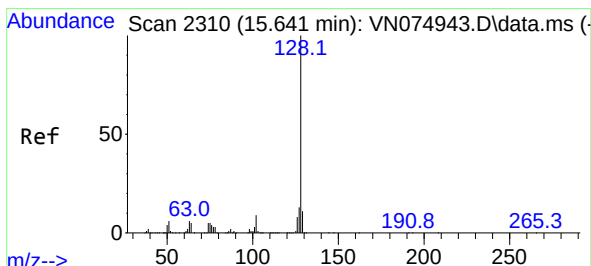
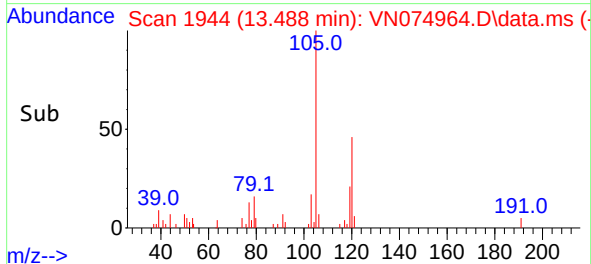
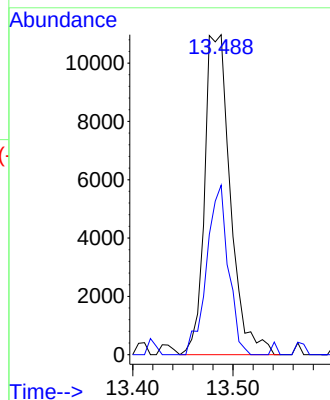
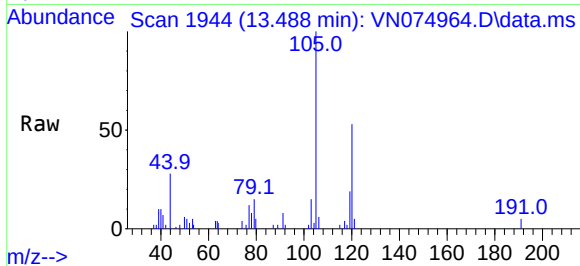




#84
1,2,4-Trimethylbenzene
Concen: 0.411 ug/l
RT: 13.488 min Scan# 1943
Delta R.T. 0.006 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

Instrument :
MSVOA_N
ClientSampleId :
MW-7

Tgt Ion:105 Resp: 19567
Ion Ratio Lower Upper
105 100
120 44.7 22.9 68.5



#95
Naphthalene
Concen: 1.513 ug/l
RT: 15.641 min Scan# 2310
Delta R.T. 0.000 min
Lab File: VN074964.D
Acq: 21 Oct 2022 16:11

Tgt Ion:128 Resp: 61398
Ion Ratio Lower Upper
128 100
127 14.3 10.4 15.6
129 11.1 8.6 12.8

