

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100622\
 Data File : VN074781.D
 Acq On : 06 Oct 2022 14:15
 Operator : JC\MD
 Sample : N4910-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK

Quant Time: Oct 06 19:03:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N100522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 06 05:37:50 2022
 Response via : Initial Calibration

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

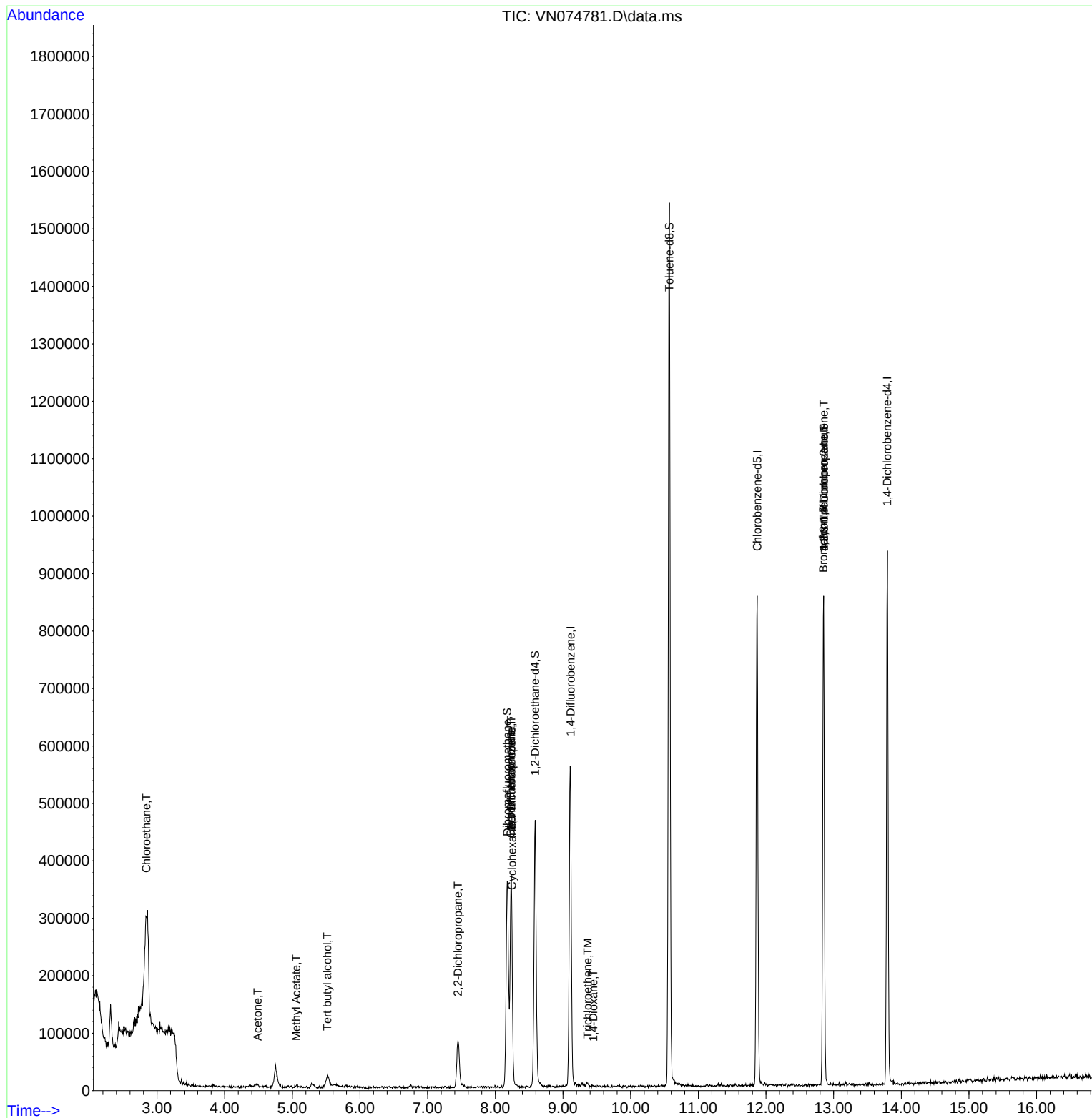
Internal Standards						
1) Pentafluorobenzene	8.235	168	255860	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.112	114	481252	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	473953	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	232889	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	334446	55.167	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.340%
35) Dibromofluoromethane	8.177	113	259757	53.422	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.840%
50) Toluene-d8	10.571	98	1058885	50.752	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.500%
62) 4-Bromofluorobenzene	12.853	95	270109	42.589	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	85.180%
Target Compounds						
						Qvalue
6) Chloroethane	2.842	64	235543	32.950	ug/l #	48
11) Tert butyl alcohol	5.518	59	3262	1.607	ug/l #	92
13) Acrolein	4.200	56	99	Below Cal	#	1
16) Acetone	4.489	43	10655	3.101	ug/l #	72
18) Methyl Acetate	5.059	43	2930	0.230	ug/l #	75
20) Methylene Chloride	5.289	84	2356	Below Cal	#	91
26) 2,2-Dichloropropane	7.447	77	5541	0.601	ug/l #	52
31) Cyclohexane	8.247	56	9209	0.879	ug/l #	77
36) 1,1-Dichloropropene	8.235	75	26487	3.366	ug/l #	49
38) Carbon Tetrachloride	8.229	117	28328	3.817	ug/l #	18
44) Trichloroethene	9.365	130	2094	0.395	ug/l	41
49) 1,4-Dioxane	9.447	88	66	0.380	ug/l #	1
71) Bromoform	12.847	173	2364	0.585	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.994	83	69	Below Cal	#	24
76) 1,2,3-Trichloropropane	12.853	75	153391	22.067	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	153391	42.995	ug/l #	15
96) 1,2,3-Trichlorobenzene	15.835	180	97	Below Cal	#	68

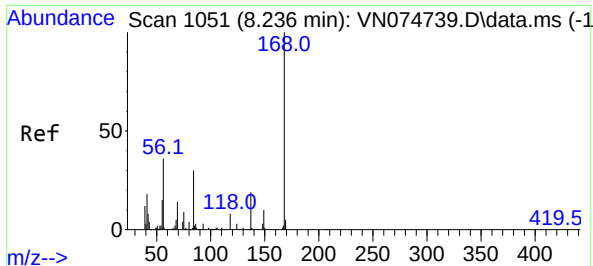
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

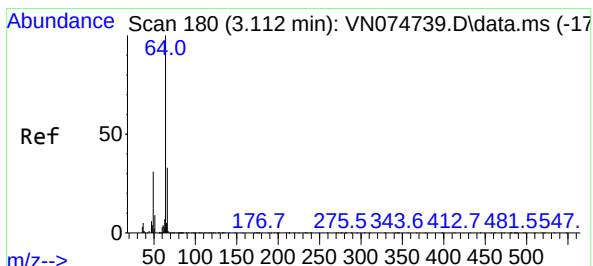
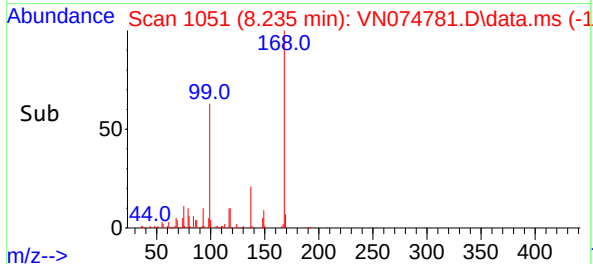
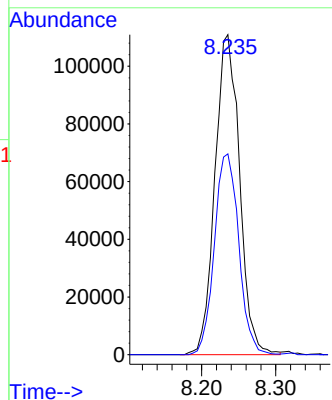
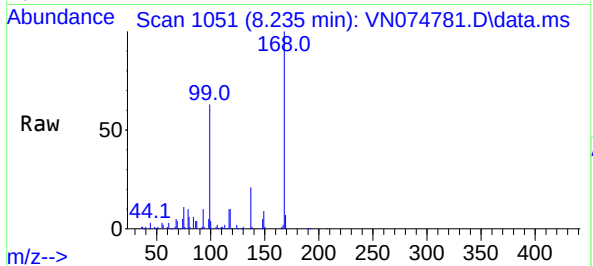




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 10
Delta R.T. -0.001 min
Lab File: VN074781.D
Acq: 06 Oct 2022 14:15

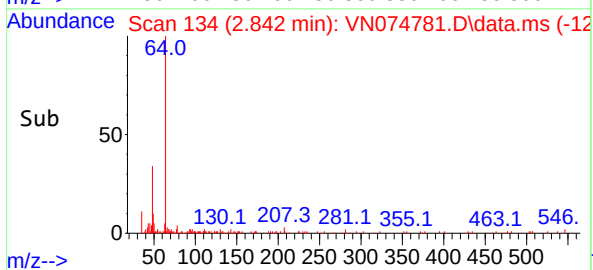
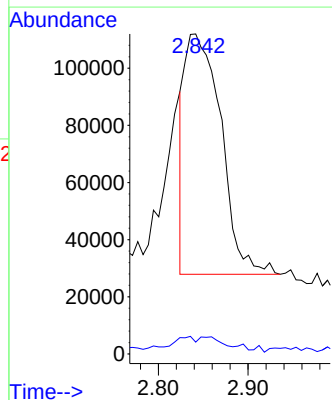
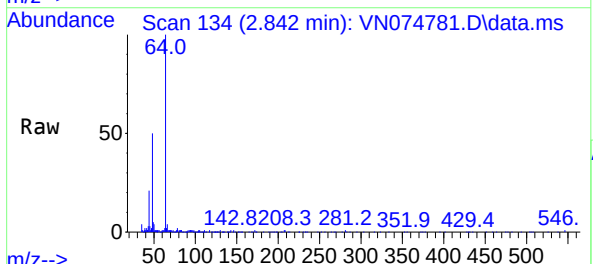
Instrument :
MSVOA_N
ClientSampleId :
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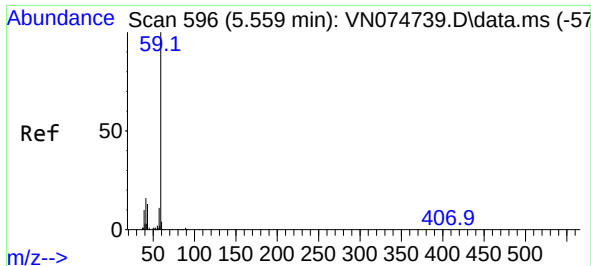
Tgt Ion:168 Resp: 255860
Ion Ratio Lower Upper
168 100
99 62.8 42.8 64.2



#6
Chloroethane
Concen: 32.950 ug/l
RT: 2.842 min Scan# 134
Delta R.T. -0.271 min
Lab File: VN074781.D
Acq: 06 Oct 2022 14:15

Tgt Ion: 64 Resp: 235543
Ion Ratio Lower Upper
64 100
66 2.6 25.1 37.7#

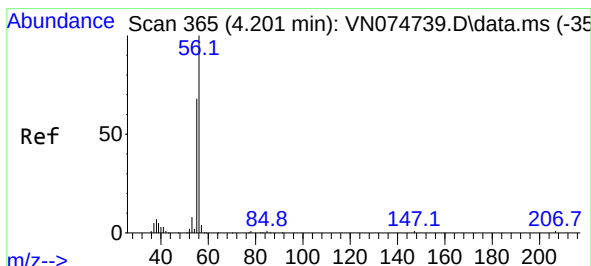
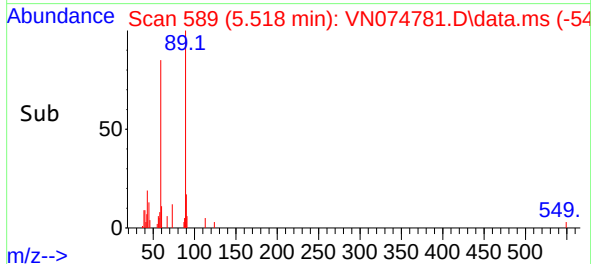
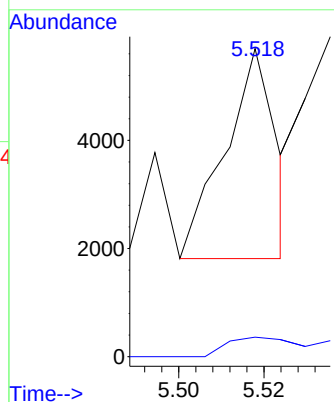
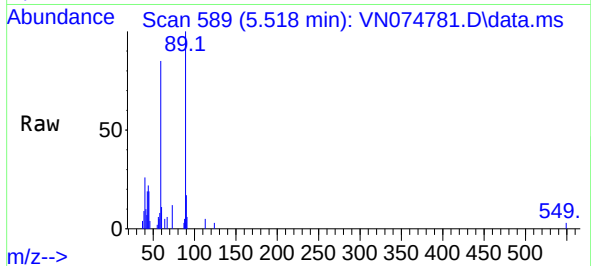




#11
Tert butyl alcohol
Concen: 1.607 ug/l
RT: 5.518 min Scan# 51
Delta R.T. -0.041 min
Lab File: VN074781.D
Acq: 06 Oct 2022 14:15

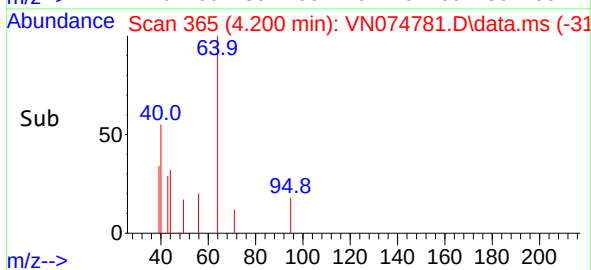
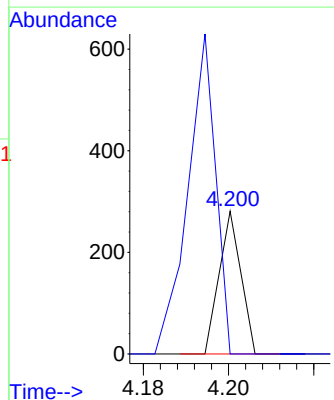
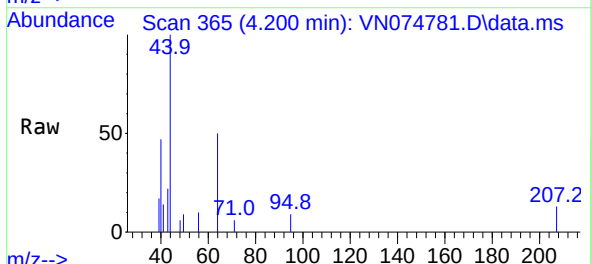
Instrument :
MSVOA_N
ClientSampleId :
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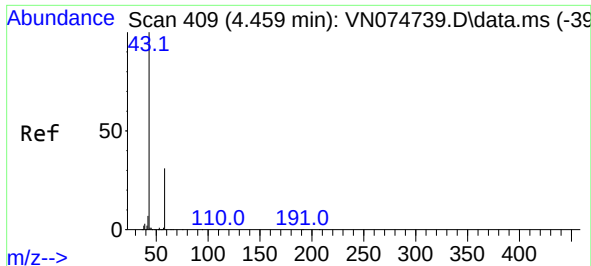
Tgt Ion: 59 Resp: 3262
Ion Ratio Lower Upper
59 100
57 12.5 7.7 11.5#



#13
Acrolein
Concen: Below Cal
RT: 4.200 min Scan# 365
Delta R.T. -0.001 min
Lab File: VN074781.D
Acq: 06 Oct 2022 14:15

Tgt Ion: 56 Resp: 99
Ion Ratio Lower Upper
56 100
55 287.9 54.9 82.3#

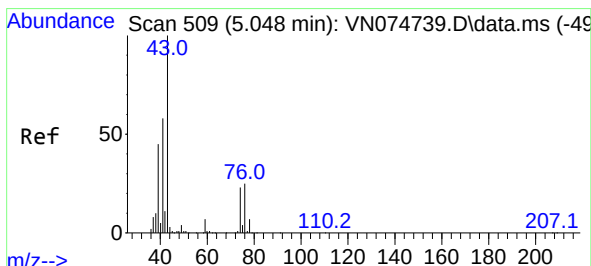
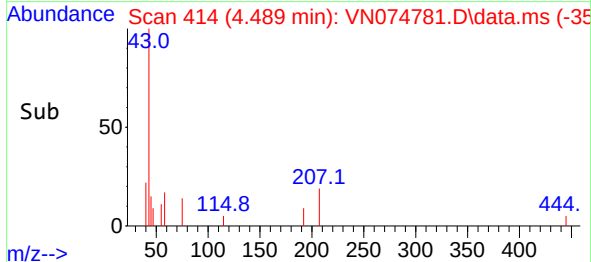
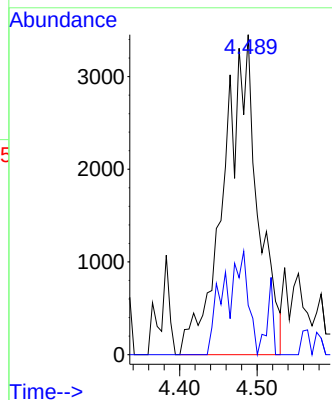
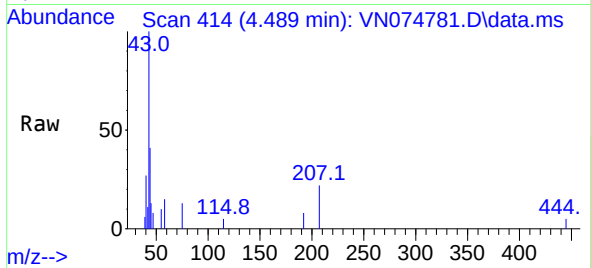




#16
Acetone
Concen: 3.101 ug/l
RT: 4.489 min Scan# 411
Delta R.T. 0.029 min
Lab File: VN074781.D
Acq: 06 Oct 2022 14:15

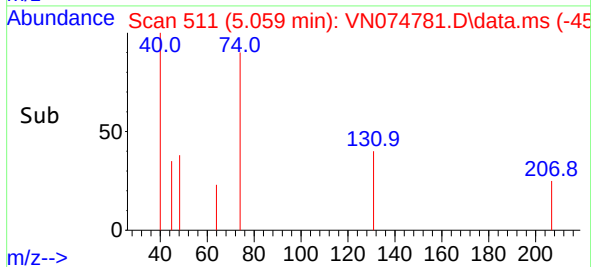
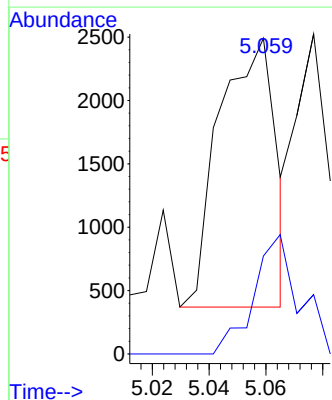
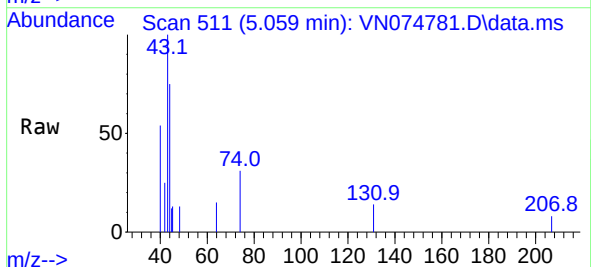
Instrument :
MSVOA_N
ClientSampleId :
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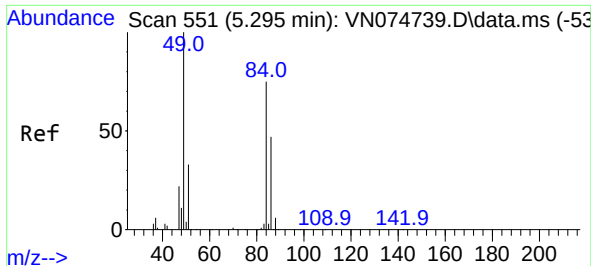
Tgt Ion: 43 Resp: 10655
Ion Ratio Lower Upper
43 100
58 15.4 24.9 37.3#



#18
Methyl Acetate
Concen: 0.230 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.012 min
Lab File: VN074781.D
Acq: 06 Oct 2022 14:15

Tgt Ion: 43 Resp: 2930
Ion Ratio Lower Upper
43 100
74 35.1 18.5 27.7#



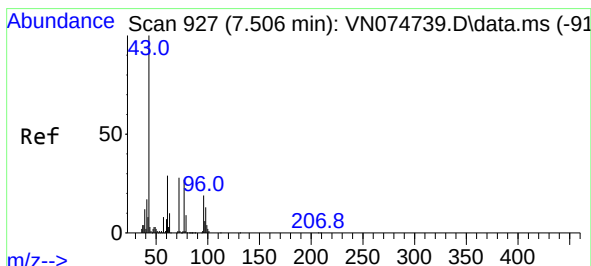
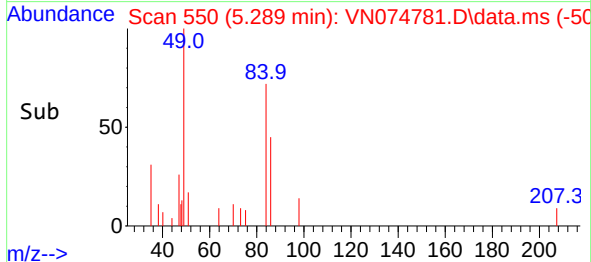
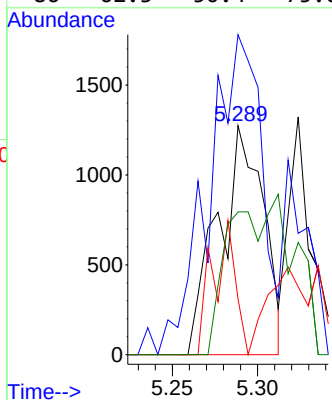
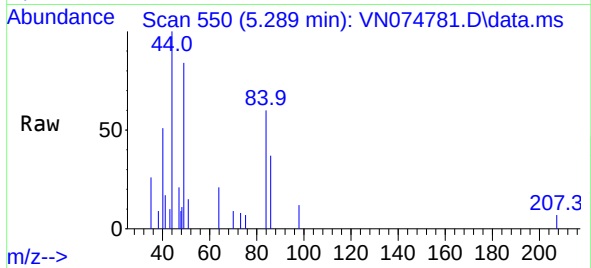


#20
Methylene Chloride
Concen: Below Cal
RT: 5.289 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN074781.D
Acq: 06 Oct 2022 14:15

Instrument :
MSVOA_N
ClientSampleId :
TRIP-BLANK

Tgt Ion: 84 Resp: 2356

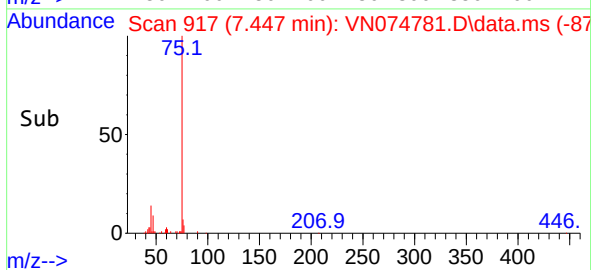
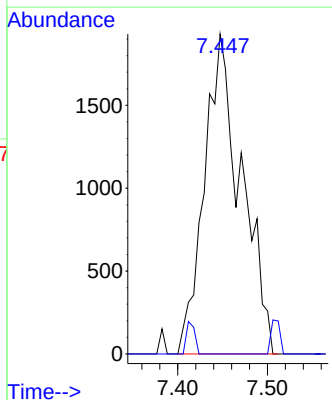
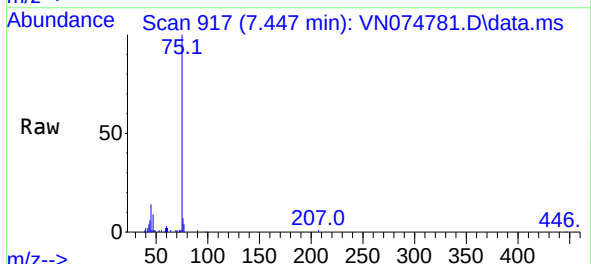
Ion	Ratio	Lower	Upper
84	100		
49	127.8	107.4	161.0
51	24.3	35.1	52.7#
86	62.3	50.4	75.6

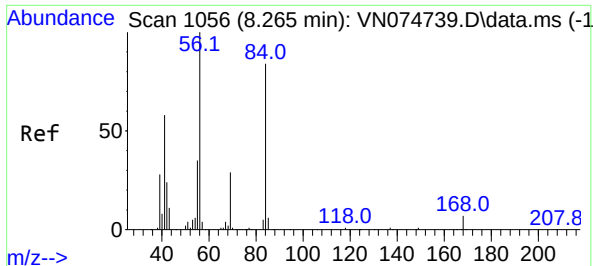


#26
2,2-Dichloropropane
Concen: 0.601 ug/l
RT: 7.447 min Scan# 917
Delta R.T. -0.059 min
Lab File: VN074781.D
Acq: 06 Oct 2022 14:15

Tgt Ion: 77 Resp: 5541

Ion	Ratio	Lower	Upper
77	100		
97	0.0	11.8	35.3#

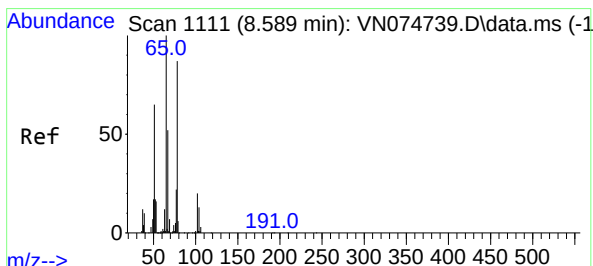
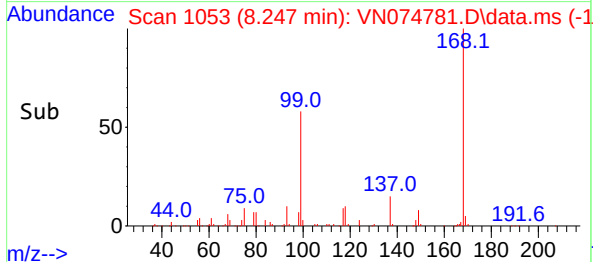
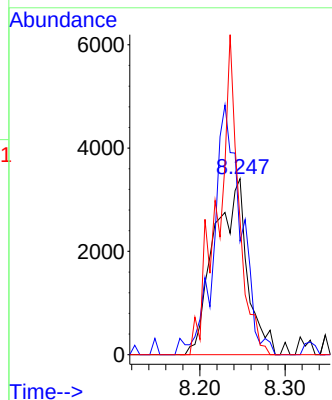
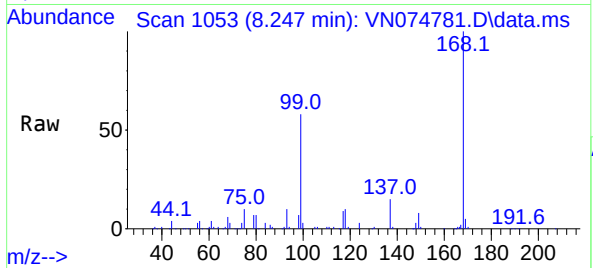




#31
Cyclohexane
Concen: 0.879 ug/l
RT: 8.247 min Scan# 1053
Delta R.T. -0.018 min
Lab File: VN074781.D
Acq: 06 Oct 2022 14:15

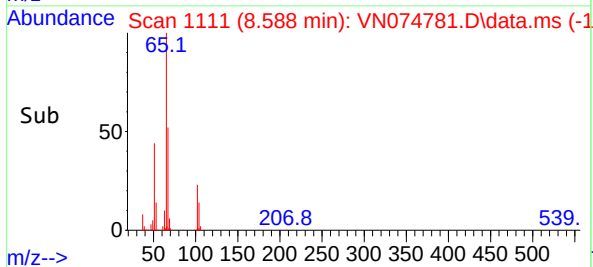
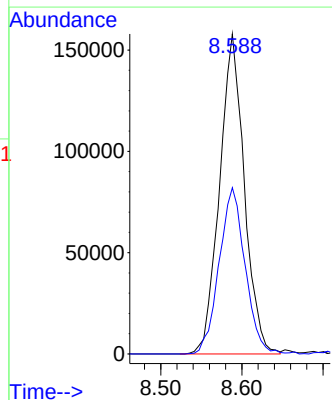
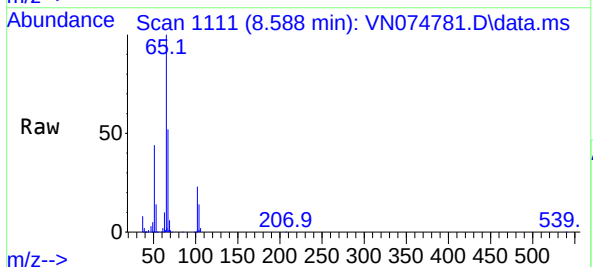
Instrument :
MSVOA_N
ClientSampleId :
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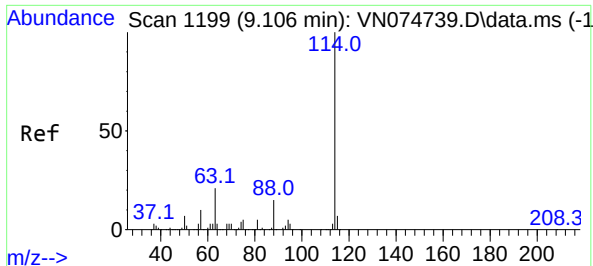
Tgt Ion: 56 Resp: 9209
Ion Ratio Lower Upper
56 100
69 64.4 23.1 34.7#
84 76.3 67.1 100.7



#33
1,2-Dichloroethane-d4
Concen: 55.167 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074781.D
Acq: 06 Oct 2022 14:15

Tgt Ion: 65 Resp: 334446
Ion Ratio Lower Upper
65 100
67 54.5 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.112 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN074781.D

Acq: 06 Oct 2022 14:15

Instrument :

MSVOA_N

ClientSampleId :

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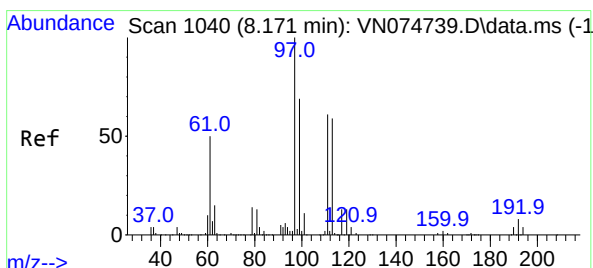
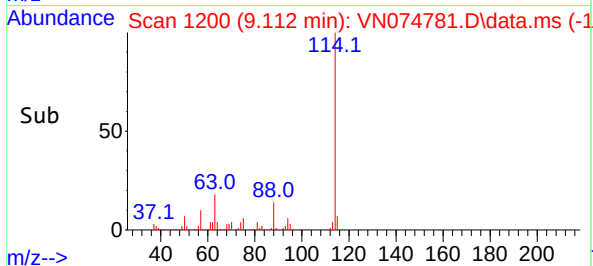
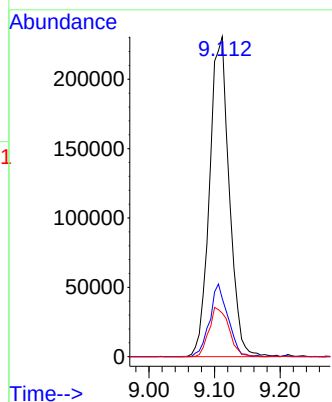
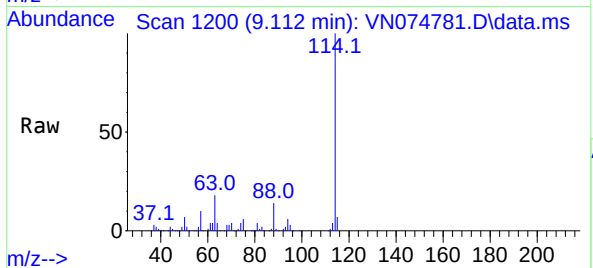
Tgt Ion:114 Resp: 481252

Ion Ratio Lower Upper

114 100

63 18.1 0.0 41.2

88 13.6 0.0 30.2



#35

Dibromofluoromethane

Concen: 53.422 ug/l

RT: 8.177 min Scan# 1041

Delta R.T. 0.006 min

Lab File: VN074781.D

Acq: 06 Oct 2022 14:15

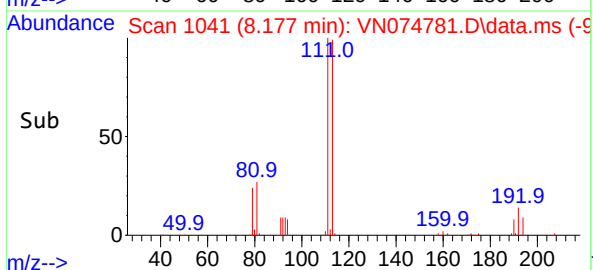
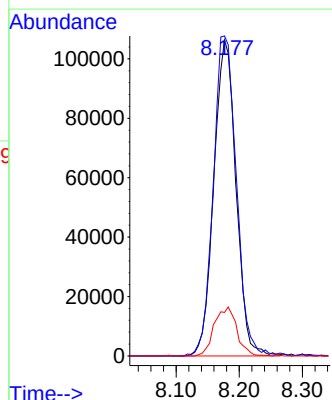
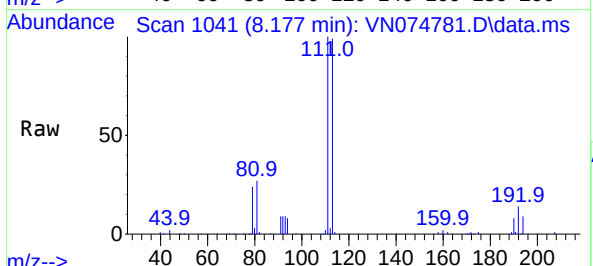
Tgt Ion:113 Resp: 259757

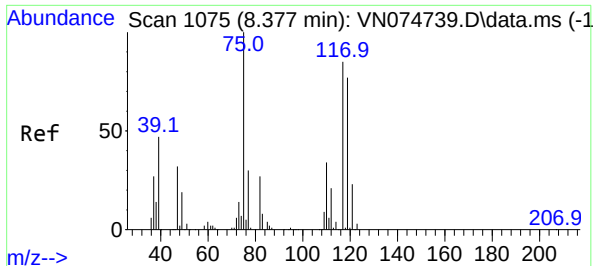
Ion Ratio Lower Upper

113 100

111 104.9 83.0 124.6

192 15.8 12.6 18.8

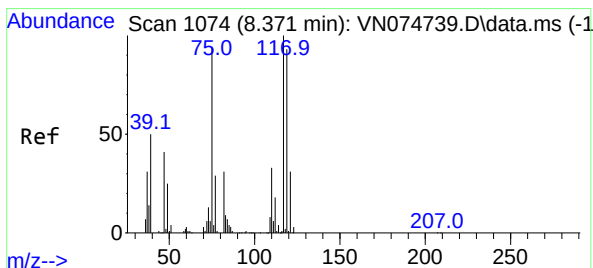
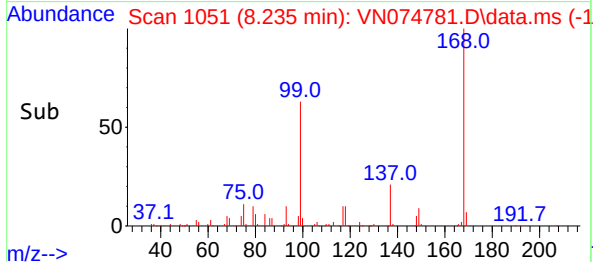
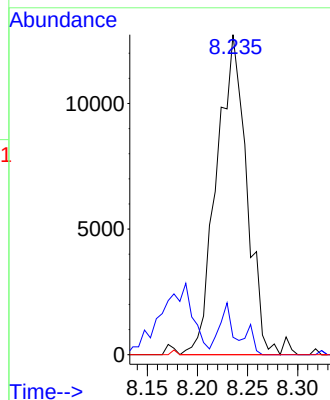
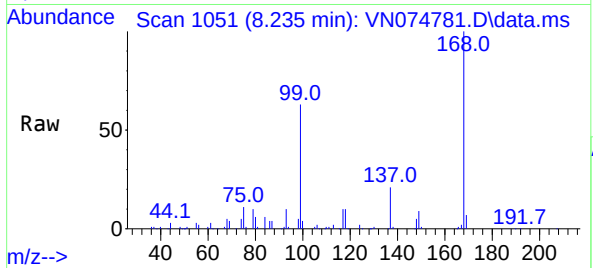




#36
1,1-Dichloropropene
Concen: 3.366 ug/l
RT: 8.235 min Scan# 10
Delta R.T. -0.141 min
Lab File: VN074781.D
Acq: 06 Oct 2022 14:15

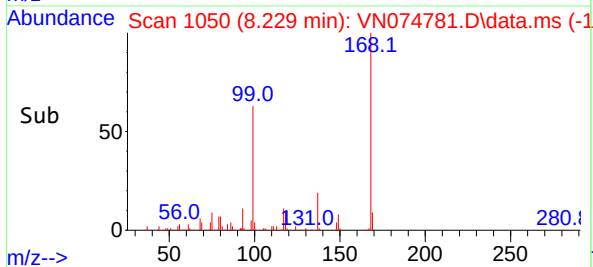
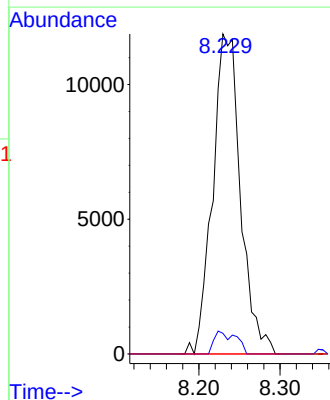
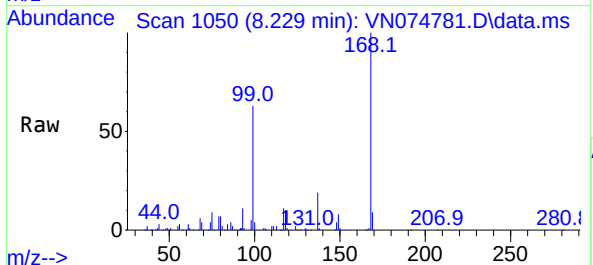
Instrument :
MSVOA_N
ClientSampleId :
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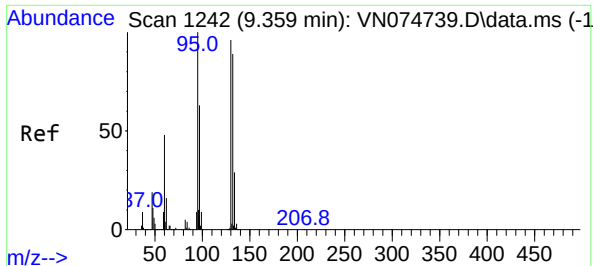
Tgt Ion: 75 Resp: 26487
Ion Ratio Lower Upper
75 100
110 7.1 17.2 51.5#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 3.817 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.141 min
Lab File: VN074781.D
Acq: 06 Oct 2022 14:15

Tgt Ion: 117 Resp: 28328
Ion Ratio Lower Upper
117 100
119 6.5 74.3 111.5#
121 0.0 25.0 37.4#

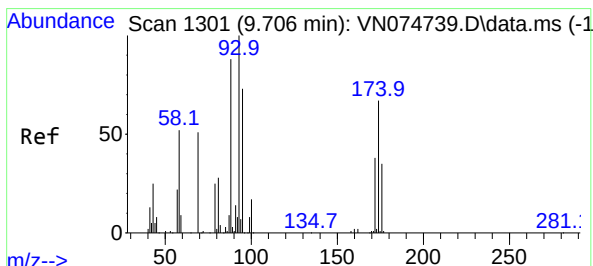
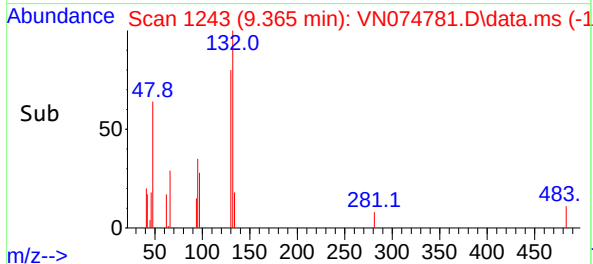
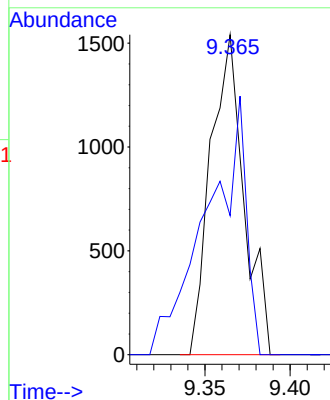
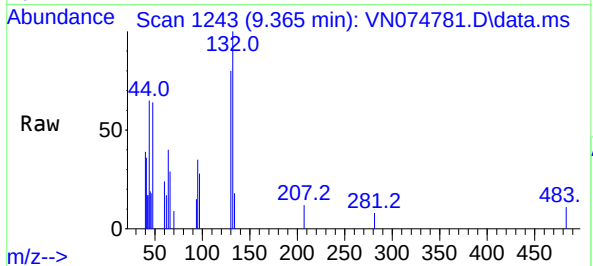




#44
Trichloroethene
Concen: 0.395 ug/l
RT: 9.365 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN074781.D
Acq: 06 Oct 2022 14:15

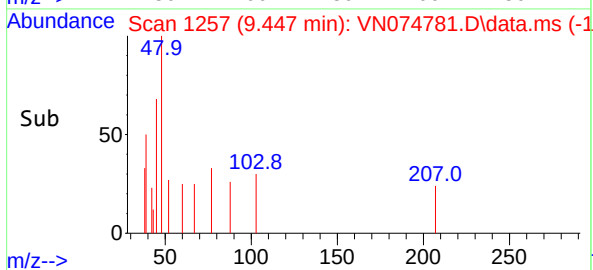
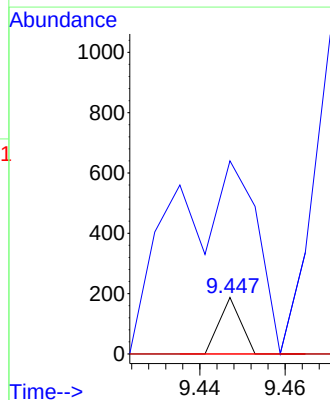
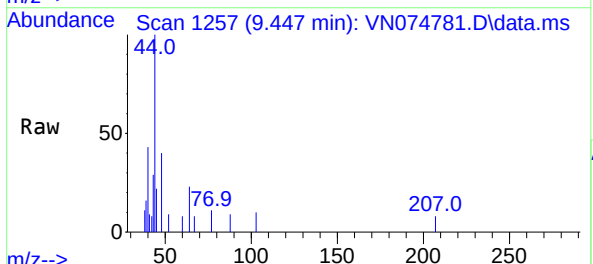
Instrument :
MSVOA_N
ClientSampleId :
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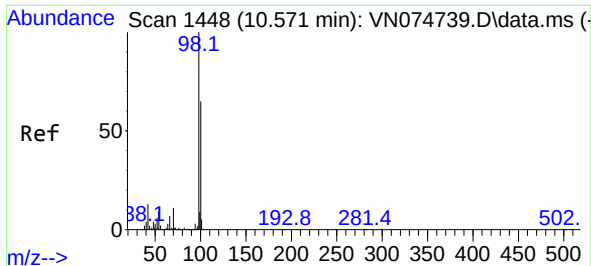
Tgt Ion:130 Resp: 2094
Ion Ratio Lower Upper
130 100
95 43.5 0.0 207.6



#49
1,4-Dioxane
Concen: 0.380 ug/l
RT: 9.447 min Scan# 1257
Delta R.T. -0.259 min
Lab File: VN074781.D
Acq: 06 Oct 2022 14:15

Tgt Ion: 88 Resp: 66
Ion Ratio Lower Upper
88 100
43 690.9 23.4 35.2#
58 0.0 54.9 82.3#

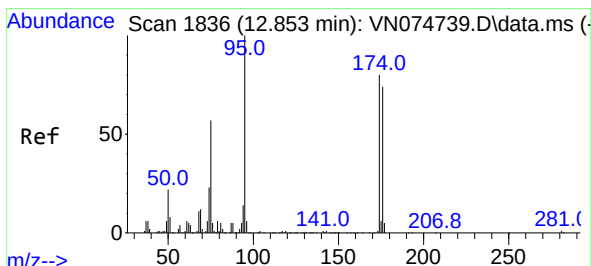
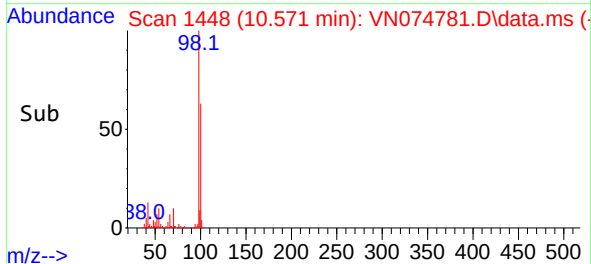
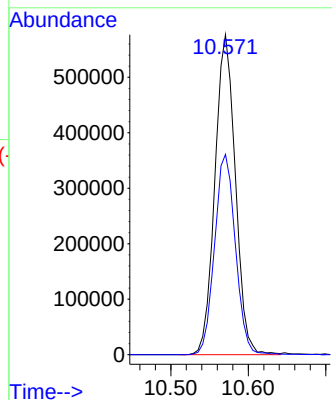
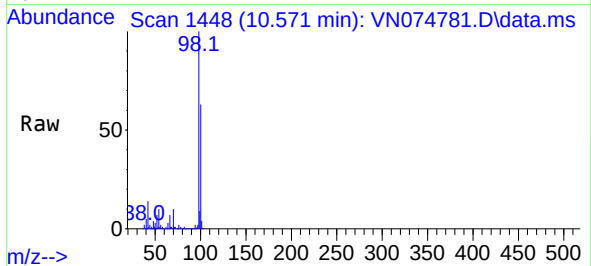




#50
Toluene-d8
Concen: 50.752 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074781.D
Acq: 06 Oct 2022 14:15

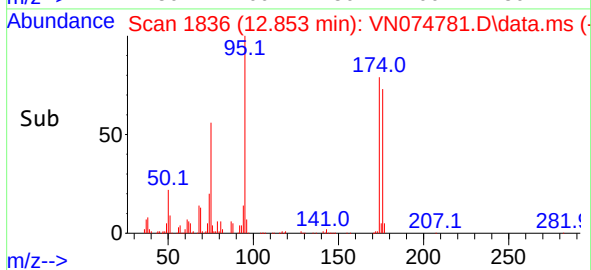
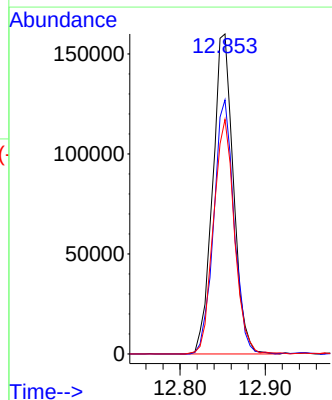
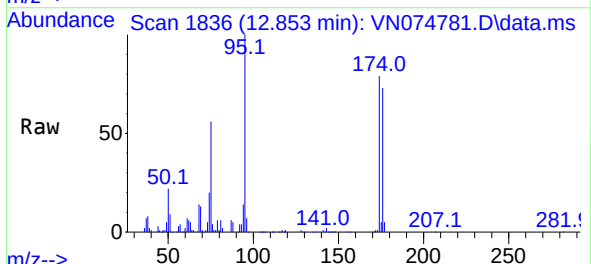
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ClientSampleId :
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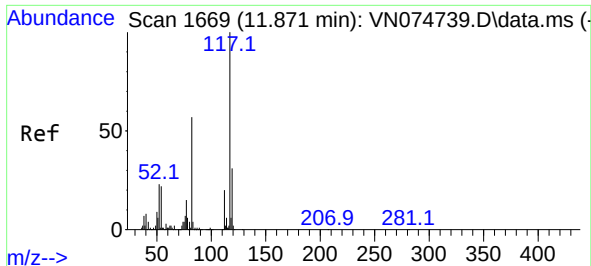
Tgt Ion: 98 Resp: 1058885
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1



#62
4-Bromofluorobenzene
Concen: 42.589 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074781.D
Acq: 06 Oct 2022 14:15

Tgt Ion: 95 Resp: 270109
Ion Ratio Lower Upper
95 100
174 77.7 0.0 149.4
176 74.1 0.0 142.0

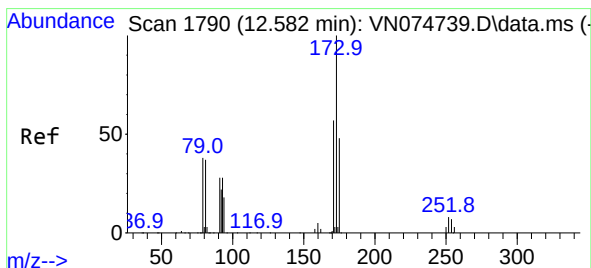
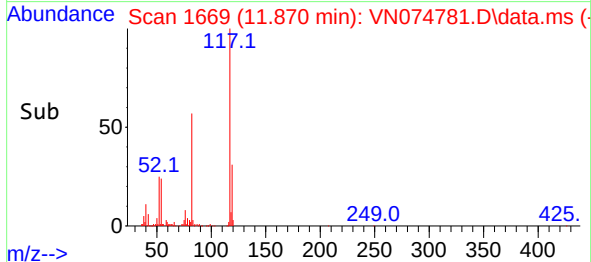
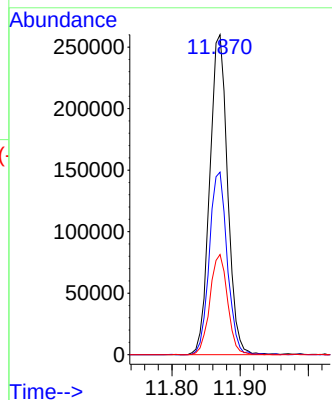
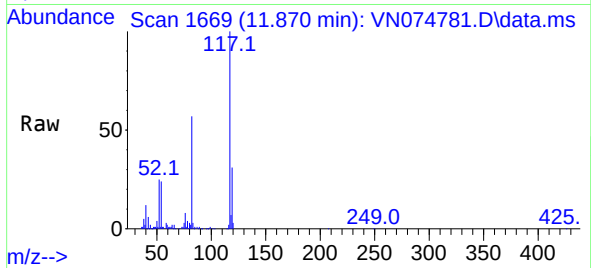




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN074781.D
Acq: 06 Oct 2022 14:15

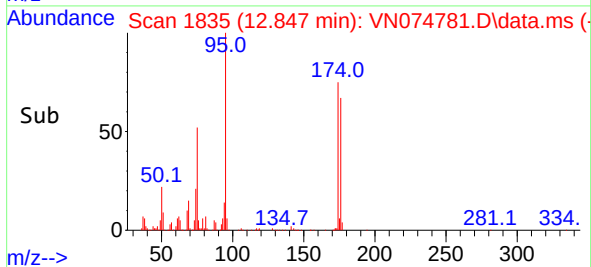
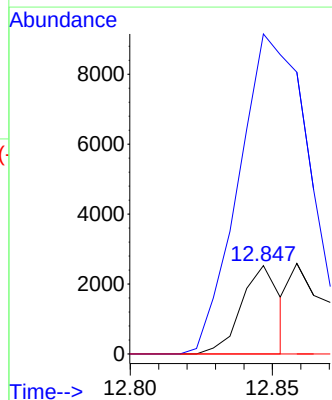
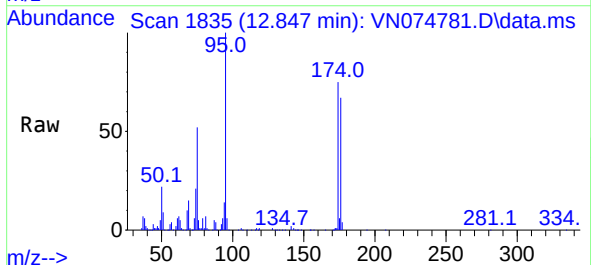
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MSVOA_N
ClientSampleId :
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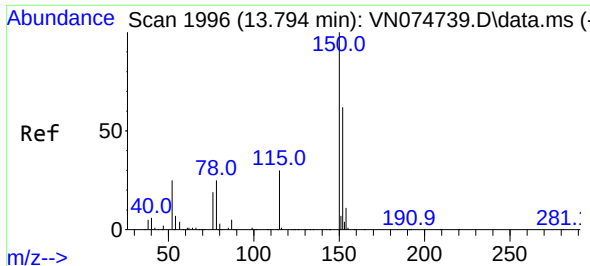
Tgt Ion:117 Resp: 473953
Ion Ratio Lower Upper
117 100
82 57.1 45.4 68.2
119 31.3 25.1 37.7



#71
Bromoform
Concen: 0.585 ug/l
RT: 12.847 min Scan# 1835
Delta R.T. 0.264 min
Lab File: VN074781.D
Acq: 06 Oct 2022 14:15

Tgt Ion:173 Resp: 2364
Ion Ratio Lower Upper
173 100
175 559.3 23.9 71.7#
254 0.0 0.1 0.1#

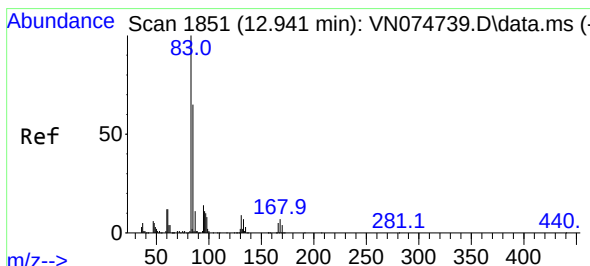
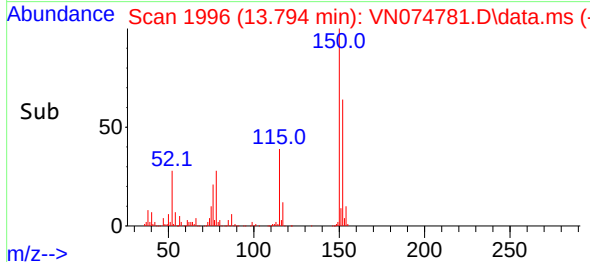
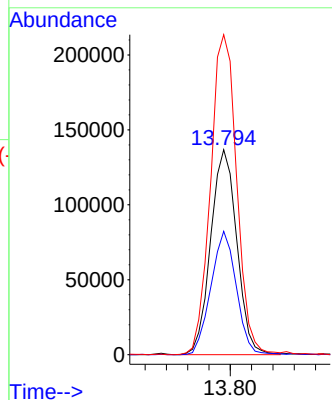
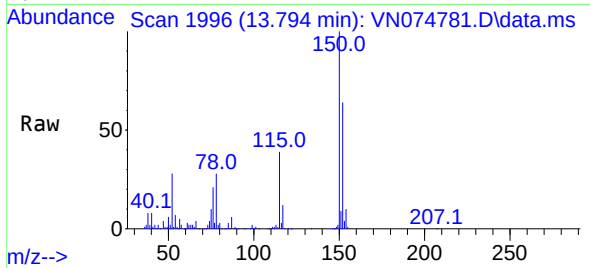




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN074781.D
 Acq: 06 Oct 2022 14:15

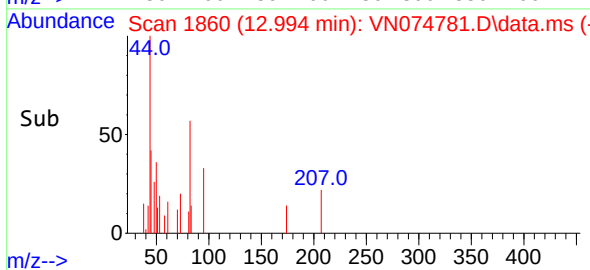
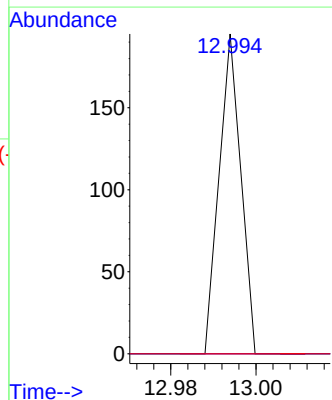
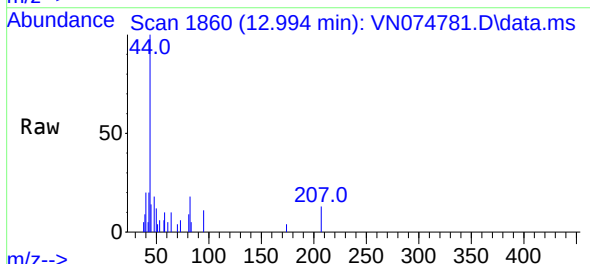
Instrument :
 MSVOA_N
 ClientSampleId :
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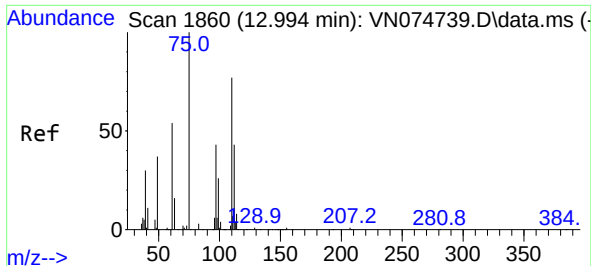
Tgt Ion:152 Resp: 232889
 Ion Ratio Lower Upper
 152 100
 115 58.5 30.0 90.0
 150 157.2 0.0 356.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.994 min Scan# 1860
 Delta R.T. 0.053 min
 Lab File: VN074781.D
 Acq: 06 Oct 2022 14:15

Tgt Ion: 83 Resp: 69
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.3 12.8#
 85 0.0 32.9 98.6#

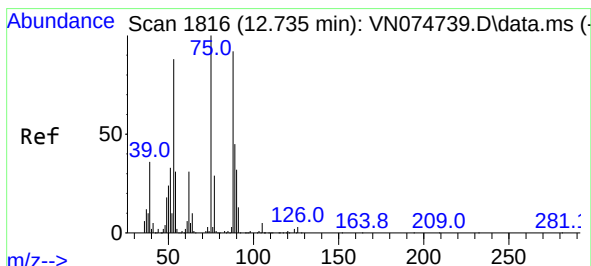
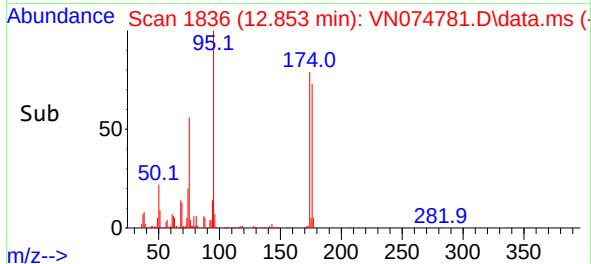
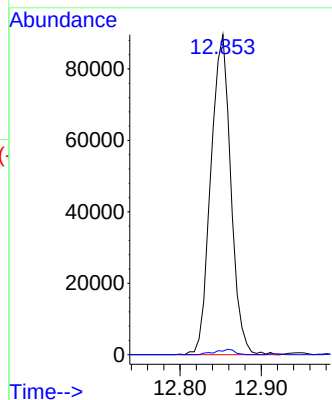
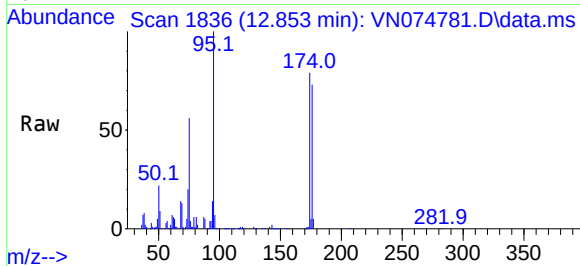




#76
1,2,3-Trichloropropane
Concen: 22.067 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074781.D
Acq: 06 Oct 2022 14:15

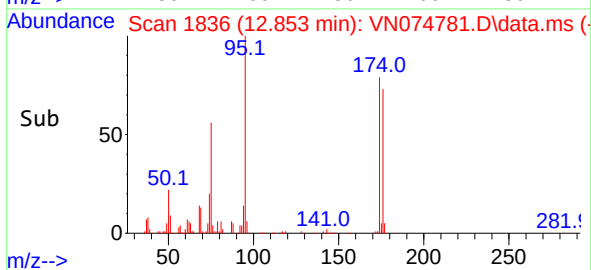
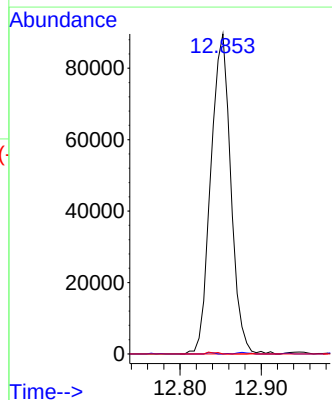
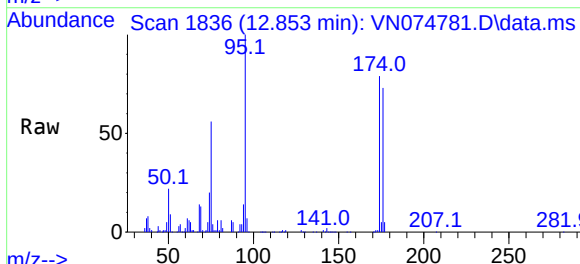
Instrument :
MSVOA_N
ClientSampleId :
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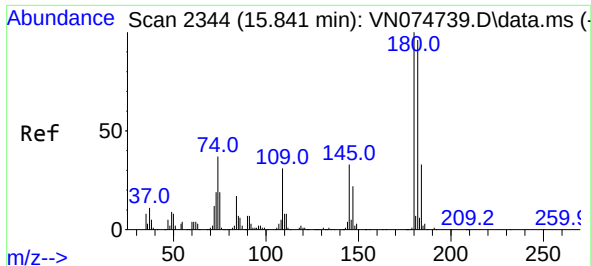
Tgt Ion: 75 Resp: 153391
Ion Ratio Lower Upper
75 100
77 1.6 76.9 230.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 42.995 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.117 min
Lab File: VN074781.D
Acq: 06 Oct 2022 14:15

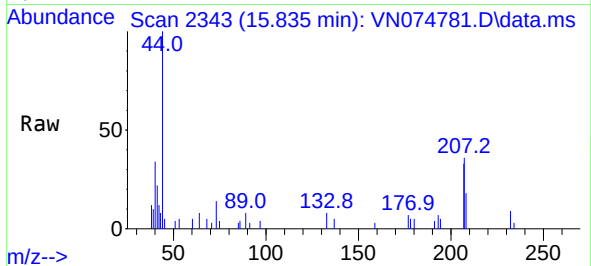
Tgt Ion: 75 Resp: 153391
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.0#
89 0.3 32.1 48.1#





#96
 1,2,3-Trichlorobenzene
 Concen: Below Cal
 RT: 15.835 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VN074781.D
 Acq: 06 Oct 2022 14:15

Instrument :
 MSVOA_N
 ClientSampleId :
 TRIP-BLANK



Tgt Ion:180 Resp: 97
 Ion Ratio Lower Upper
 180 100
 182 116.5 47.3 142.0
 145 0.0 17.1 51.2#

