

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100722\
 Data File : VN074818.D
 Acq On : 07 Oct 2022 17:56
 Operator : JC\MD
 Sample : N5009-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 006-4

Quant Time: Oct 08 03:54:59 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)

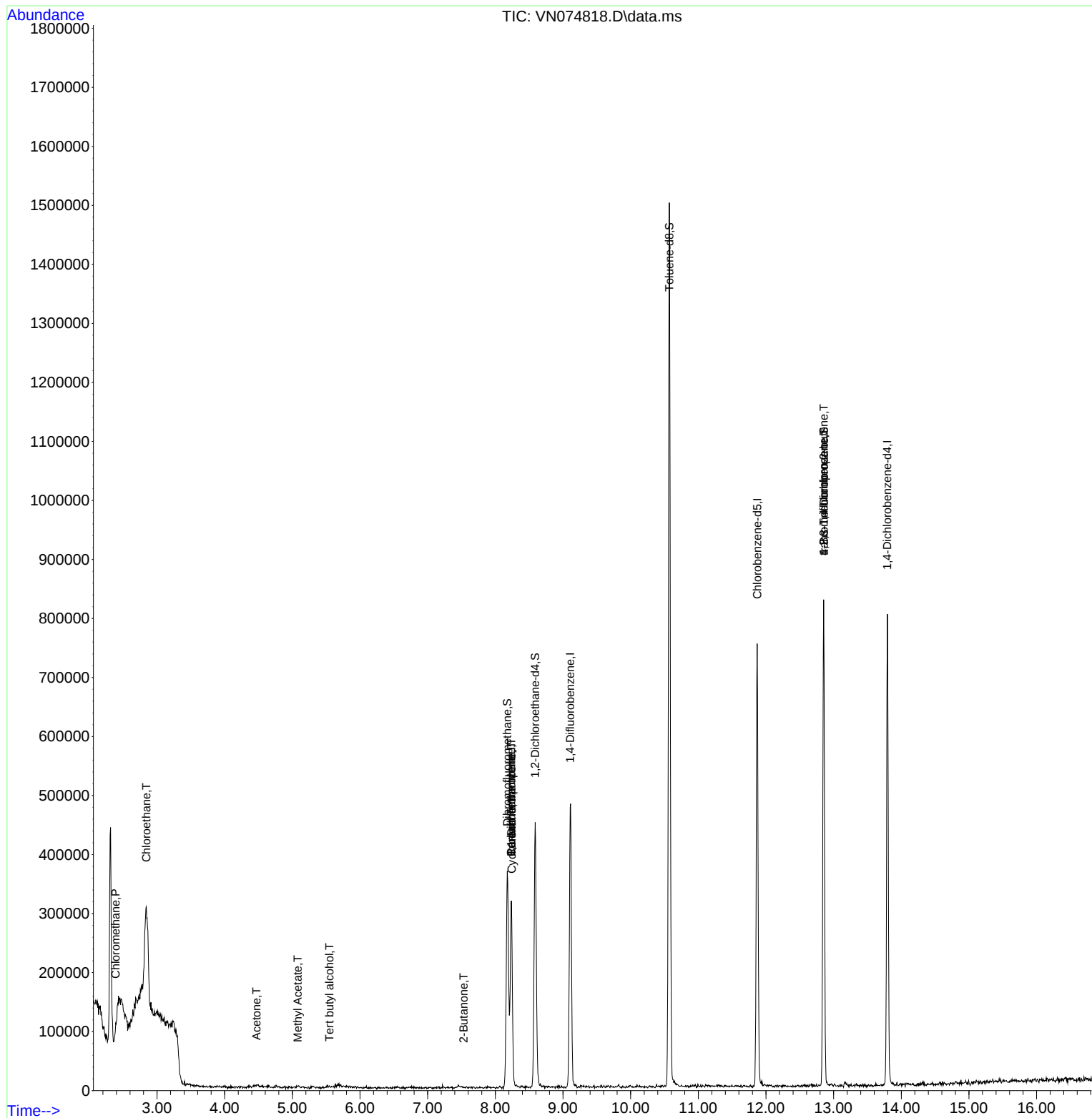
Internal Standards						
1) Pentafluorobenzene	8.236	168	212538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	411245	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.871	117	415437	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	199854	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	330397	65.608	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 131.220%#	
35) Dibromofluoromethane	8.177	113	256836	61.813	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 123.620%	
50) Toluene-d8	10.571	98	992950	55.694	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.380%	
62) 4-Bromofluorobenzene	12.853	95	259480	47.877	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 95.760%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.389	50	2612	0.403	ug/l #	61
6) Chloroethane	2.842	64	186665	31.435	ug/l #	53
11) Tert butyl alcohol	5.547	59	568	0.337	ug/l	95
13) Acrolein	4.195	56	86	Below Cal	#	15
16) Acetone	4.471	43	4049	1.419	ug/l #	65
18) Methyl Acetate	5.077	43	3844	0.364	ug/l #	69
20) Methylene Chloride	5.306	84	882	Below Cal	#	3
25) 2-Butanone	7.530	43	3072	0.593	ug/l	98
31) Cyclohexane	8.241	56	5854	0.673	ug/l #	48
36) 1,1-Dichloropropene	8.236	75	20093	2.988	ug/l #	53
38) Carbon Tetrachloride	8.236	117	24283	3.829	ug/l #	20
75) 1,1,2,2-Tetrachloroethane	12.876	83	69	Below Cal	#	24
76) 1,2,3-Trichloropropane	12.853	75	151829	25.453	ug/l #	1
77) Bromobenzene	12.853	156	89	Below Cal	#	1
81) trans-1,4-Dichloro-2-b...	12.853	75	151829	49.592	ug/l #	14

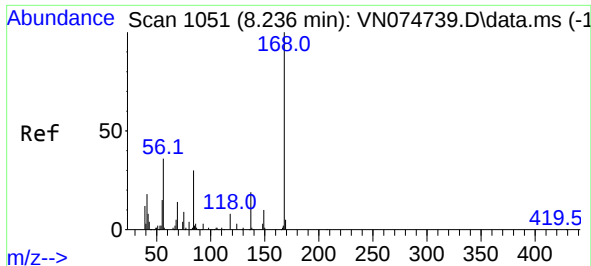
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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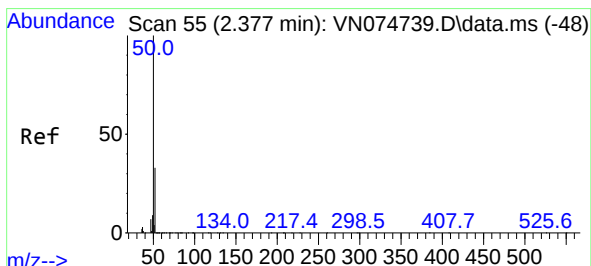
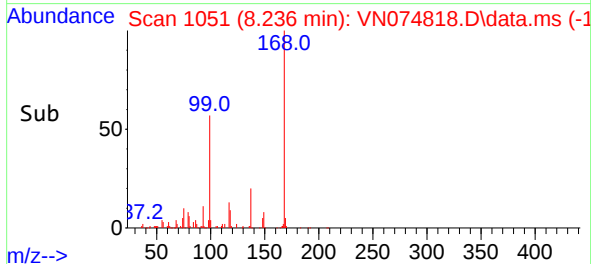
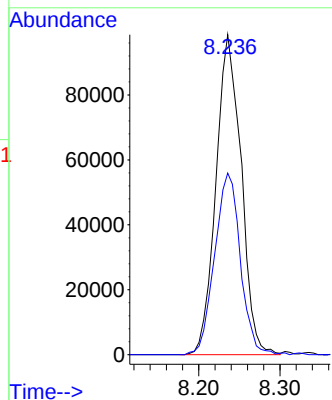
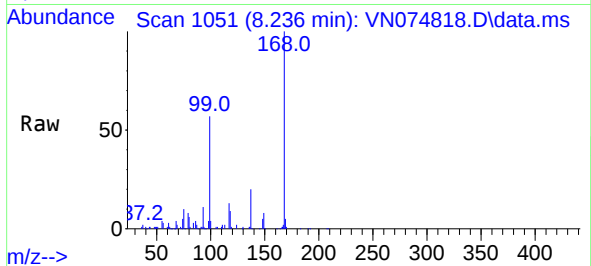




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.000 min
Lab File: VN074818.D
Acq: 07 Oct 2022 17:56

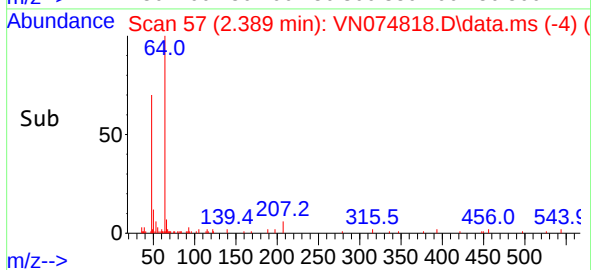
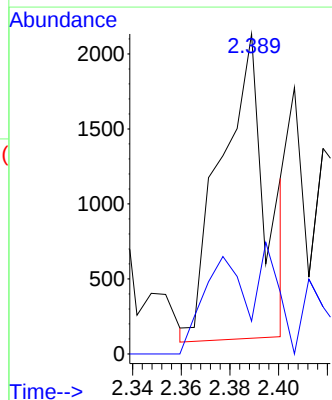
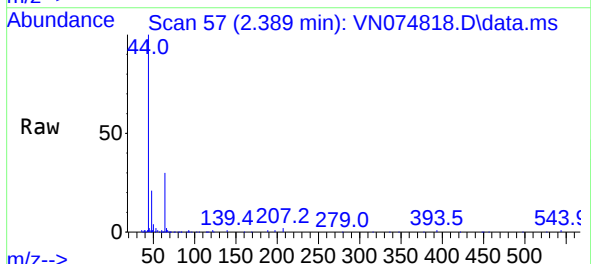
Instrument :
MSVOA_N
ClientSampleId :
006-4

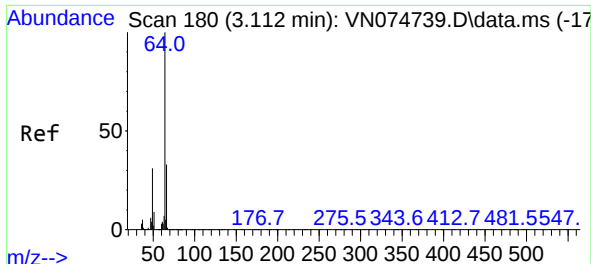
Tgt Ion:168 Resp: 212538
Ion Ratio Lower Upper
168 100
99 56.7 42.8 64.2



#3
Chloromethane
Concen: 0.403 ug/l
RT: 2.389 min Scan# 57
Delta R.T. 0.012 min
Lab File: VN074818.D
Acq: 07 Oct 2022 17:56

Tgt Ion: 50 Resp: 2612
Ion Ratio Lower Upper
50 100
52 11.2 26.7 40.1#

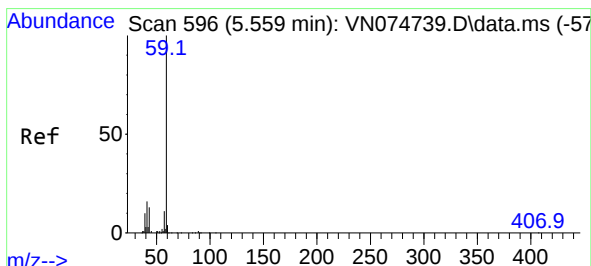
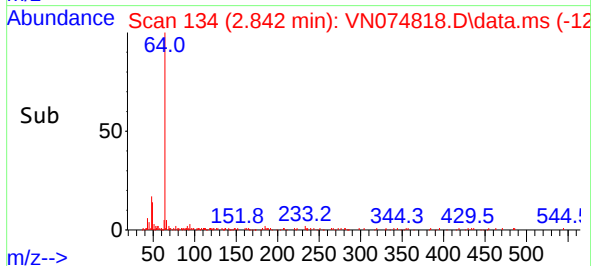
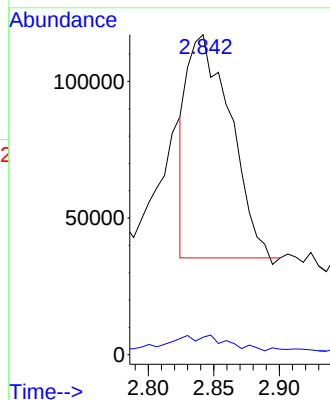
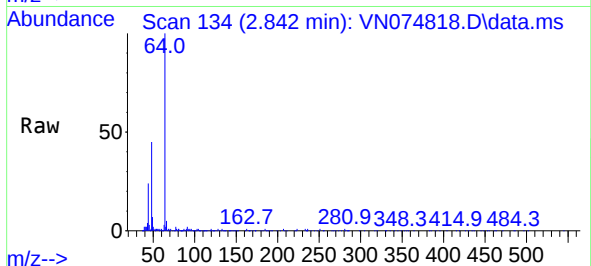




#6
Chloroethane
Concen: 31.435 ug/l
RT: 2.842 min Scan# 11
Delta R.T. -0.271 min
Lab File: VN074818.D
Acq: 07 Oct 2022 17:56

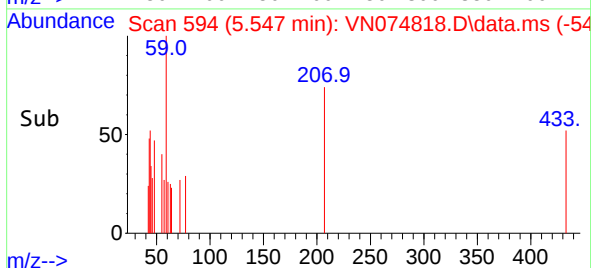
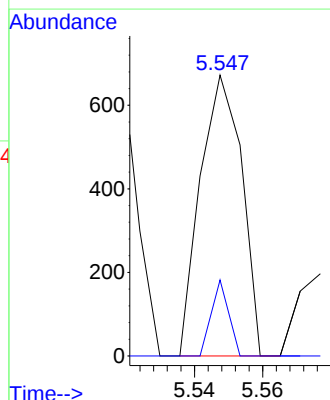
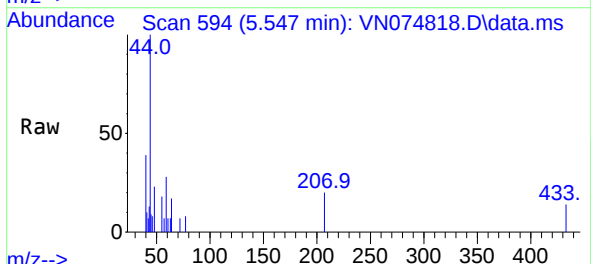
Instrument :
MSVOA_N
ClientSampleId :
006-4

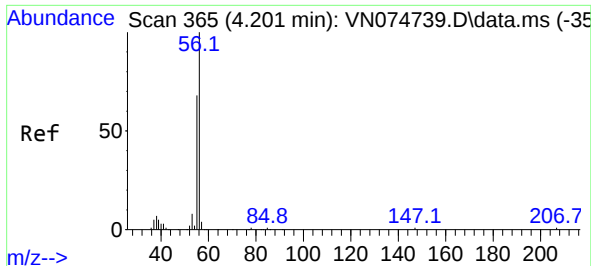
Tgt Ion: 64 Resp: 186665
Ion Ratio Lower Upper
64 100
66 5.4 25.1 37.7#



#11
Tert butyl alcohol
Concen: 0.337 ug/l
RT: 5.547 min Scan# 594
Delta R.T. -0.012 min
Lab File: VN074818.D
Acq: 07 Oct 2022 17:56

Tgt Ion: 59 Resp: 568
Ion Ratio Lower Upper
59 100
57 11.3 7.7 11.5

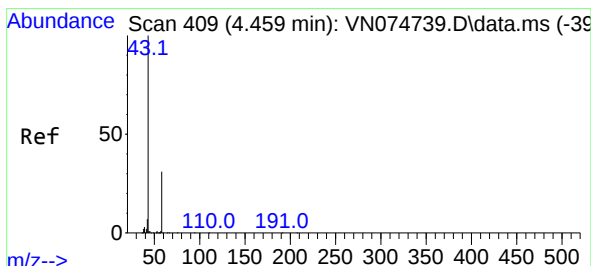
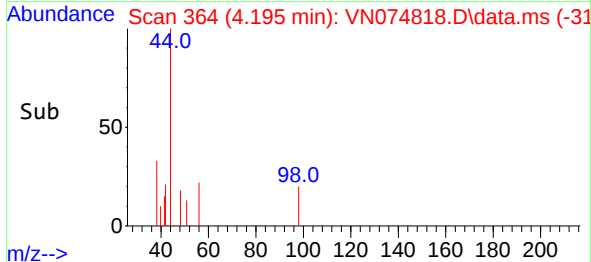
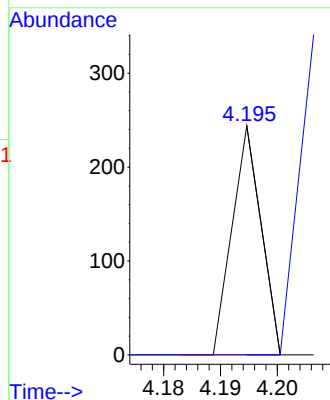
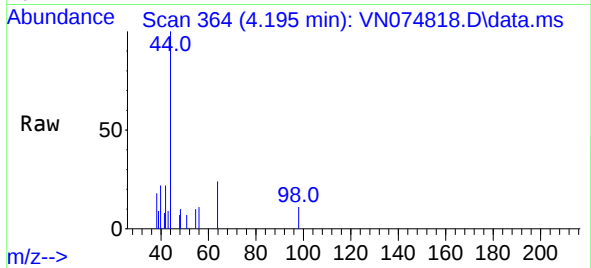




#13
Acrolein
Concen: Below Cal
RT: 4.195 min Scan# 301
Delta R.T. -0.006 min
Lab File: VN074818.D
Acq: 07 Oct 2022 17:56

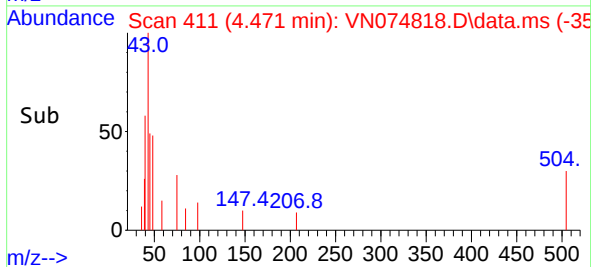
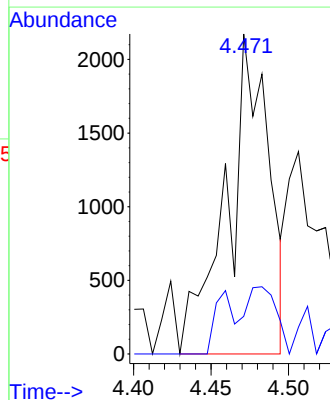
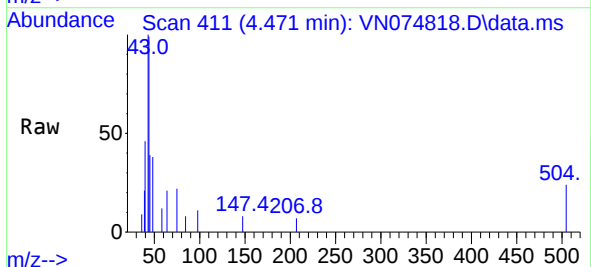
Instrument :
MSVOA_N
ClientSampleId :
006-4

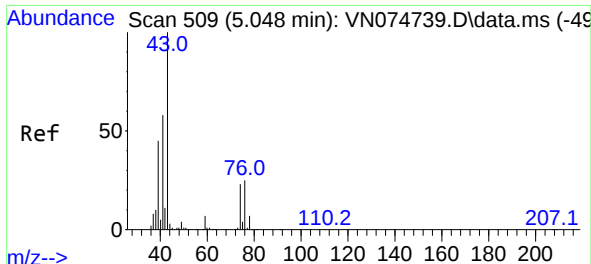
Tgt Ion: 56 Resp: 86
Ion Ratio Lower Upper
56 100
55 0.0 54.9 82.3#



#16
Acetone
Concen: 1.419 ug/l
RT: 4.471 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN074818.D
Acq: 07 Oct 2022 17:56

Tgt Ion: 43 Resp: 4049
Ion Ratio Lower Upper
43 100
58 11.7 24.9 37.3#





#18

Methyl Acetate

Concen: 0.364 ug/l

RT: 5.077 min Scan# 514

Delta R.T. 0.029 min

Lab File: VN074818.D

Acq: 07 Oct 2022 17:56

Instrument :

MSVOA_N

ClientSampleId :

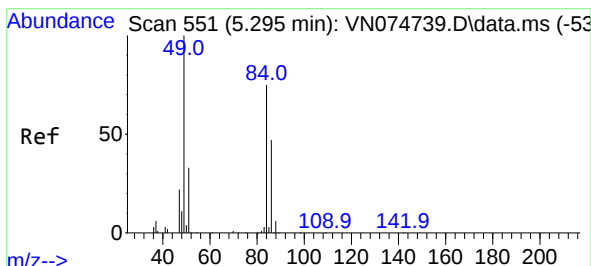
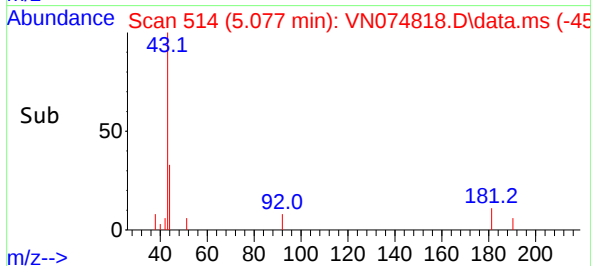
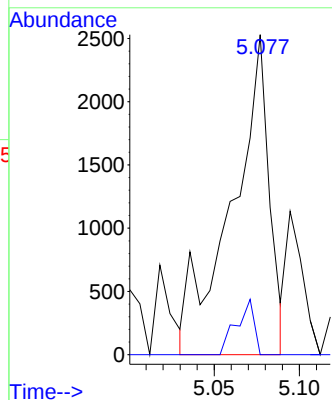
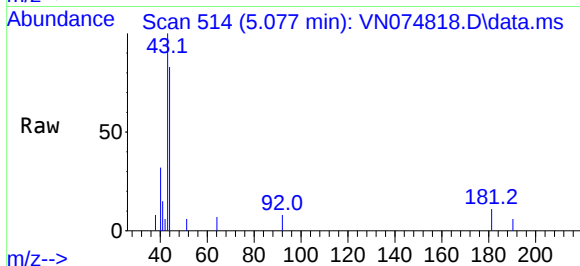
006-4

Tgt Ion: 43 Resp: 3844

Ion Ratio Lower Upper

43 100

74 8.3 18.5 27.7#



#20

Methylene Chloride

Concen: Below Cal

RT: 5.306 min Scan# 553

Delta R.T. 0.011 min

Lab File: VN074818.D

Acq: 07 Oct 2022 17:56

Tgt Ion: 84 Resp: 882

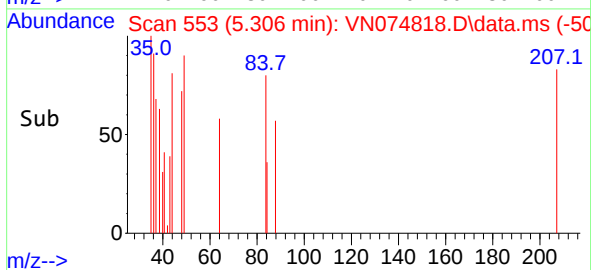
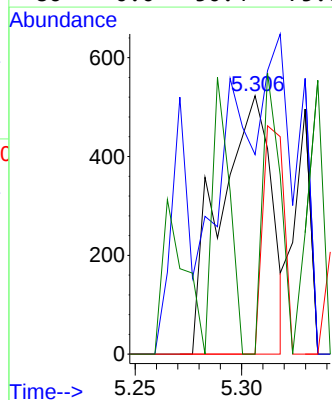
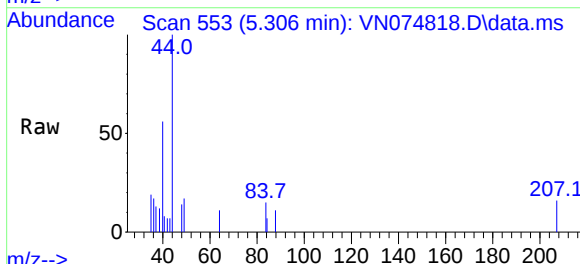
Ion Ratio Lower Upper

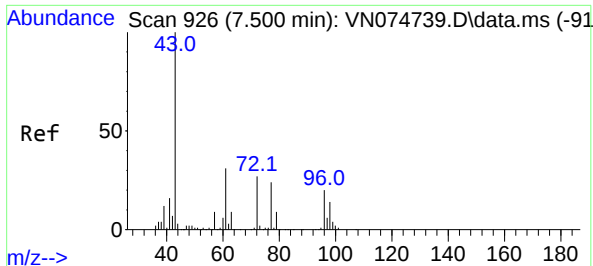
84 100

49 0.0 107.4 161.0#

51 0.0 35.1 52.7#

86 0.0 50.4 75.6#





#25

2-Butanone

Concen: 0.593 ug/l

RT: 7.530 min Scan# 91

Delta R.T. 0.029 min

Lab File: VN074818.D

Acq: 07 Oct 2022 17:56

Instrument :

MSVOA_N

ClientSampleId :

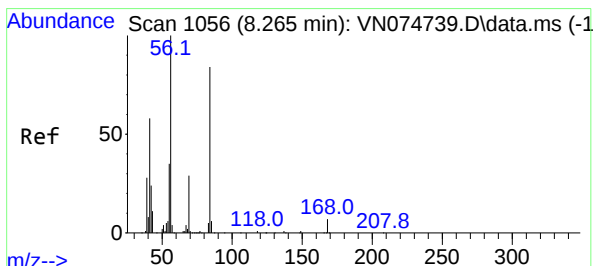
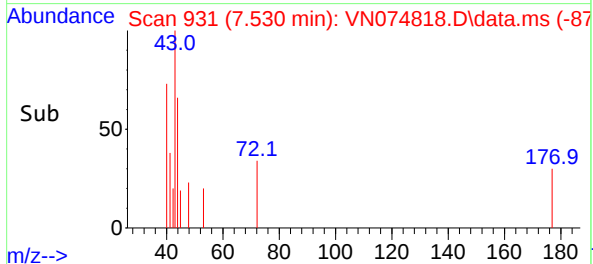
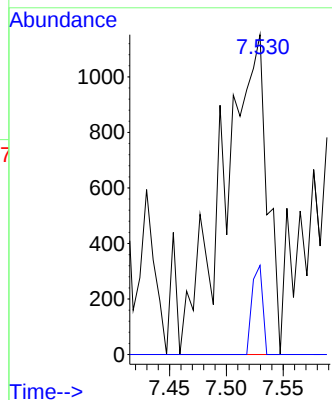
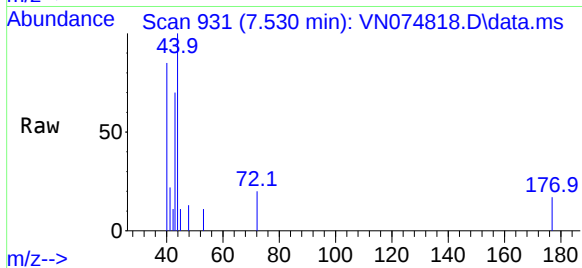
006-4

Tgt Ion: 43 Resp: 3072

Ion Ratio Lower Upper

43 100

72 27.9 21.4 32.0



#31

Cyclohexane

Concen: 0.673 ug/l

RT: 8.241 min Scan# 1052

Delta R.T. -0.024 min

Lab File: VN074818.D

Acq: 07 Oct 2022 17:56

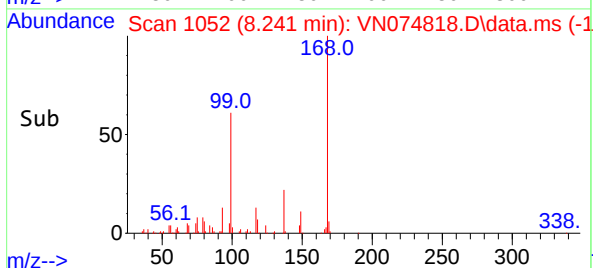
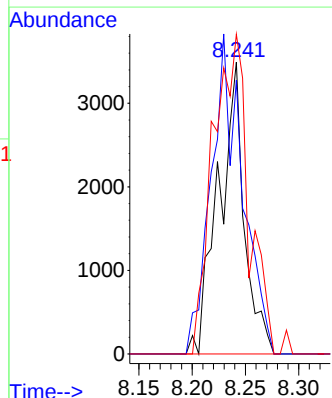
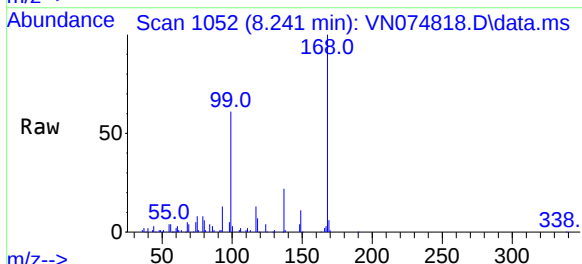
Tgt Ion: 56 Resp: 5854

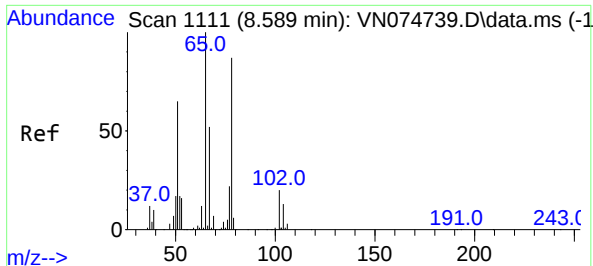
Ion Ratio Lower Upper

56 100

69 93.8 23.1 34.7#

84 109.5 67.1 100.7#

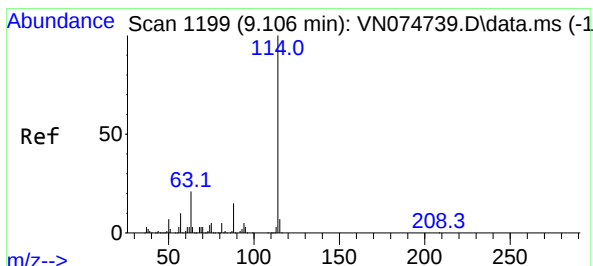
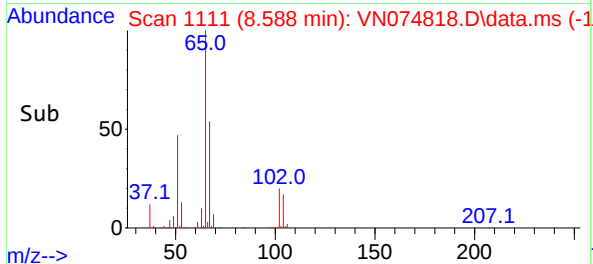
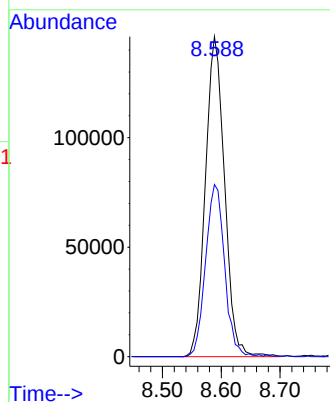
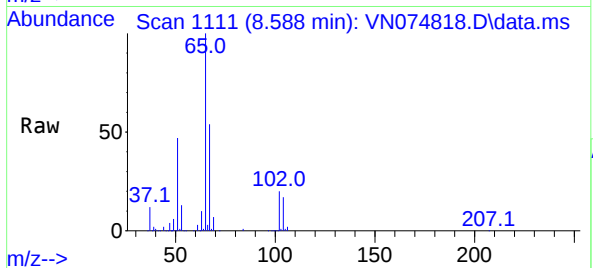




#33
1,2-Dichloroethane-d4
Concen: 65.608 ug/l
RT: 8.588 min Scan# 1111
Delta R.T. -0.000 min
Lab File: VN074818.D
Acq: 07 Oct 2022 17:56

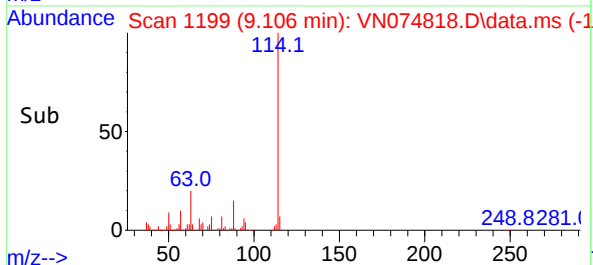
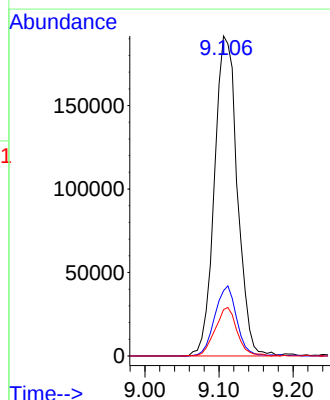
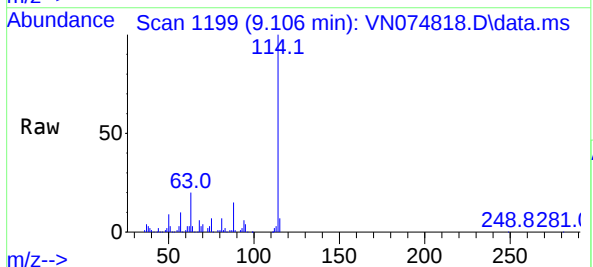
Instrument :
MSVOA_N
ClientSampleId :
006-4

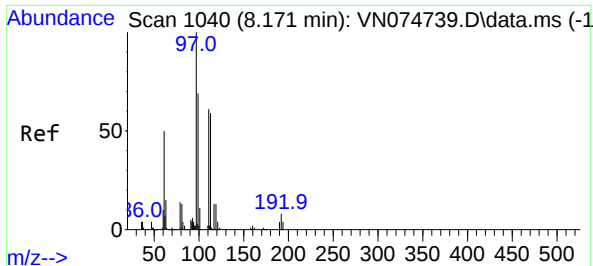
Tgt Ion: 65 Resp: 330397
Ion Ratio Lower Upper
65 100
67 53.4 0.0 109.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN074818.D
Acq: 07 Oct 2022 17:56

Tgt Ion:114 Resp: 411245
Ion Ratio Lower Upper
114 100
63 20.4 0.0 41.2
88 14.5 0.0 30.2

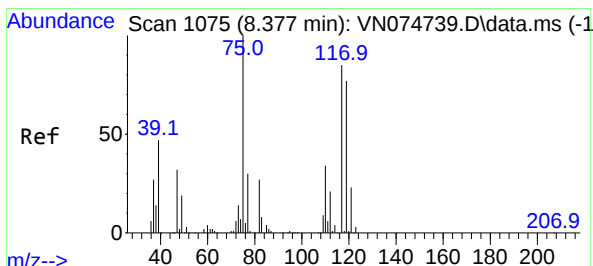
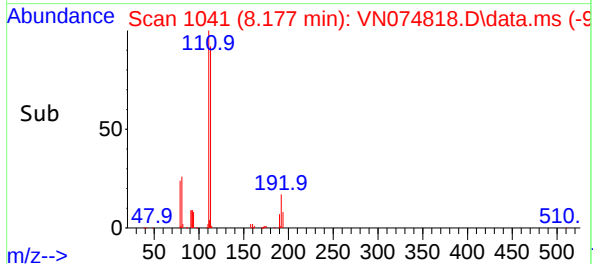
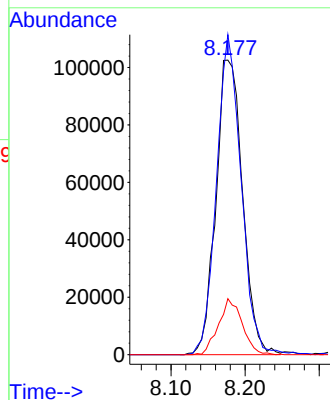
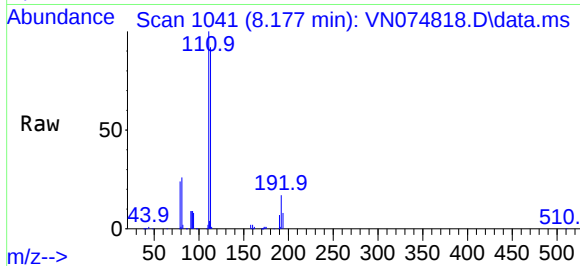




#35
Dibromofluoromethane
Concen: 61.813 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN074818.D
Acq: 07 Oct 2022 17:56

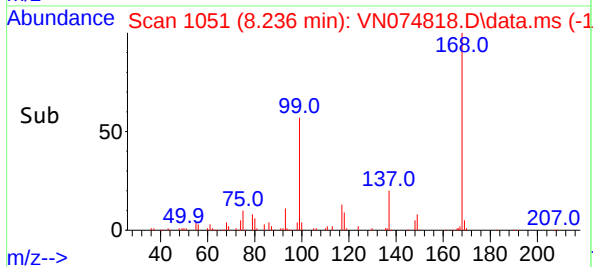
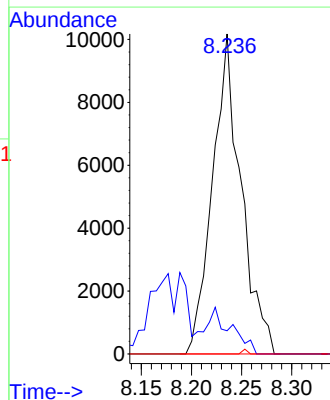
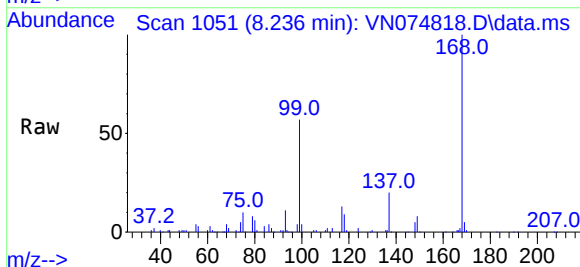
Instrument :
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006-4

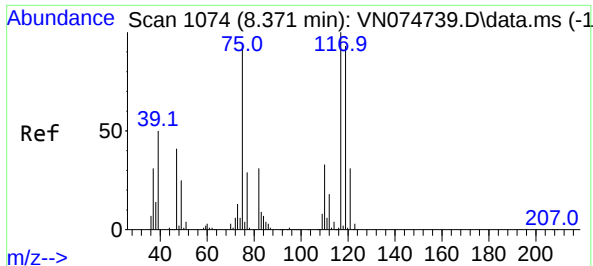
Tgt Ion:113 Resp: 256836
Ion Ratio Lower Upper
113 100
111 100.4 83.0 124.6
192 16.9 12.6 18.8



#36
1,1-Dichloropropene
Concen: 2.988 ug/l
RT: 8.236 min Scan# 1051
Delta R.T. -0.141 min
Lab File: VN074818.D
Acq: 07 Oct 2022 17:56

Tgt Ion: 75 Resp: 20093
Ion Ratio Lower Upper
75 100
110 11.2 17.2 51.5#
77 0.0 24.3 36.5#

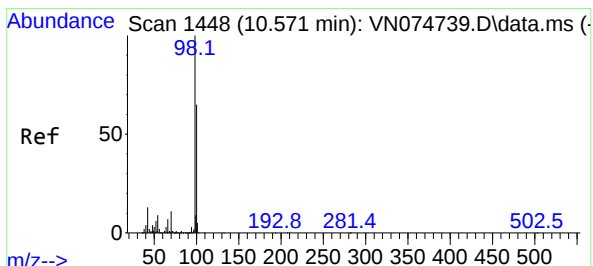
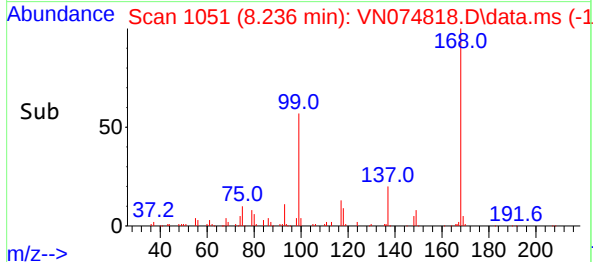
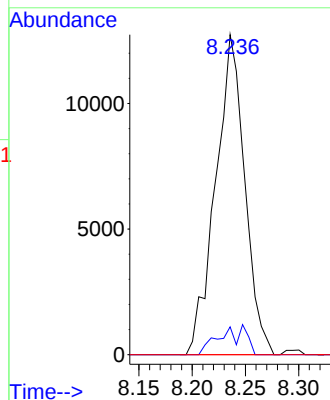
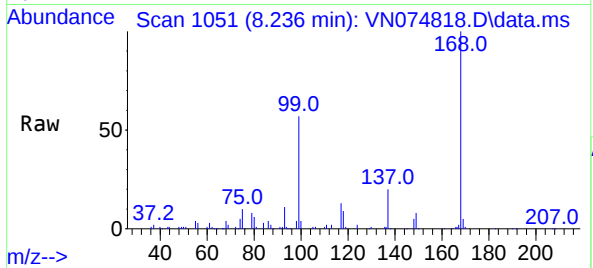




#38
Carbon Tetrachloride
Concen: 3.829 ug/l
RT: 8.236 min Scan# 1074
Delta R.T. -0.135 min
Lab File: VN074818.D
Acq: 07 Oct 2022 17:56

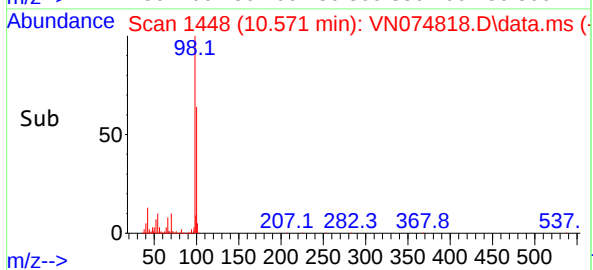
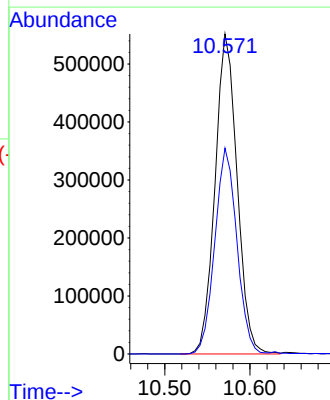
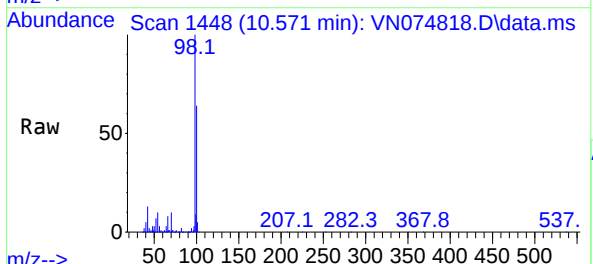
Instrument :
MSVOA_N
ClientSampleId :
006-4

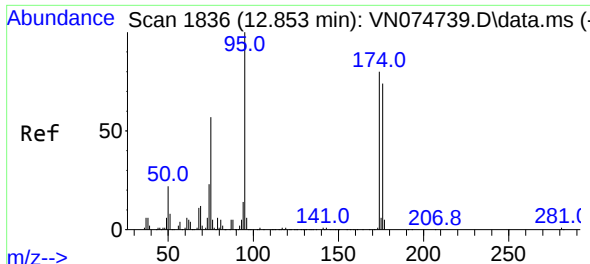
Tgt Ion:117 Resp: 24283
Ion Ratio Lower Upper
117 100
119 8.7 74.3 111.5#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 55.694 ug/l
RT: 10.571 min Scan# 1448
Delta R.T. -0.000 min
Lab File: VN074818.D
Acq: 07 Oct 2022 17:56

Tgt Ion: 98 Resp: 992950
Ion Ratio Lower Upper
98 100
100 64.2 50.7 76.1

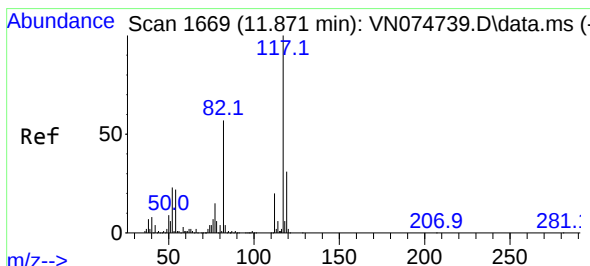
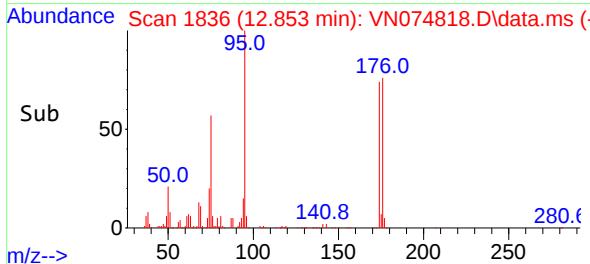
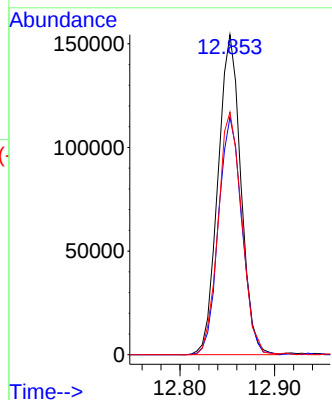
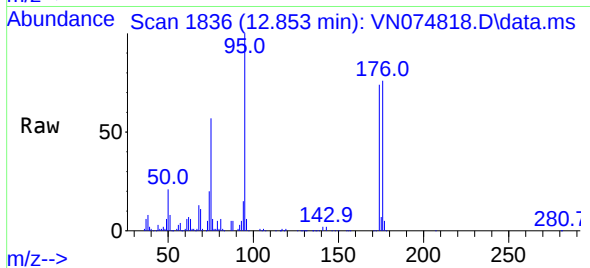




#62
4-Bromofluorobenzene
Concen: 47.877 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.000 min
Lab File: VN074818.D
Acq: 07 Oct 2022 17:56

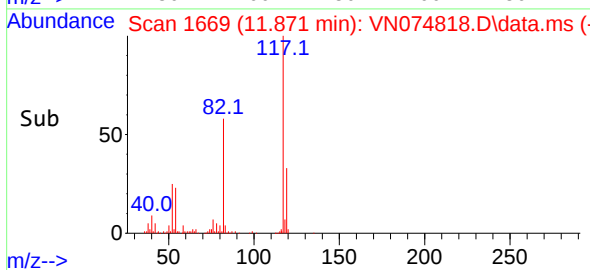
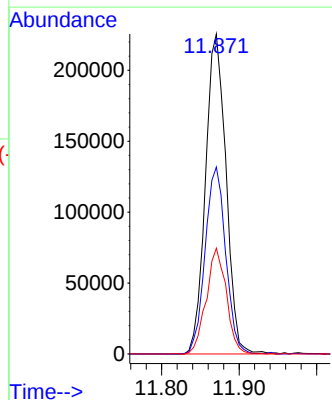
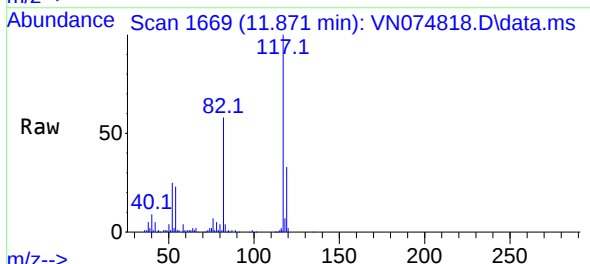
Instrument :
MSVOA_N
ClientSampleId :
006-4

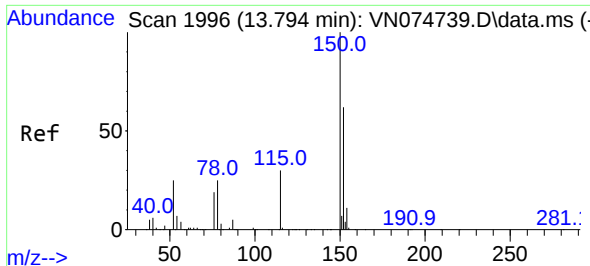
Tgt Ion: 95 Resp: 259480
Ion Ratio Lower Upper
95 100
174 75.9 0.0 149.4
176 78.2 0.0 142.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.871 min Scan# 1669
Delta R.T. -0.000 min
Lab File: VN074818.D
Acq: 07 Oct 2022 17:56

Tgt Ion: 117 Resp: 415437
Ion Ratio Lower Upper
117 100
82 58.4 45.4 68.2
119 33.1 25.1 37.7

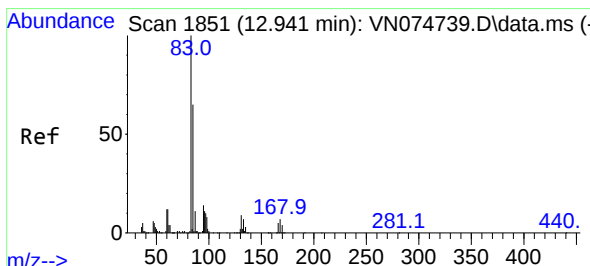
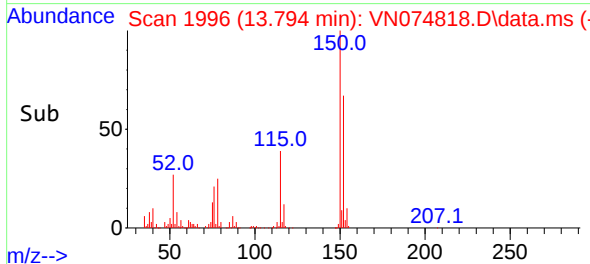
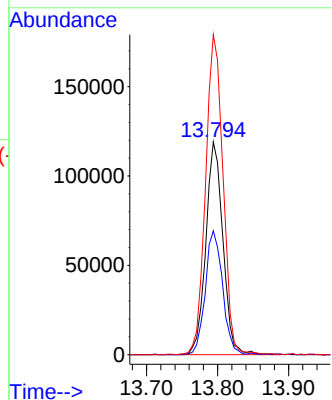
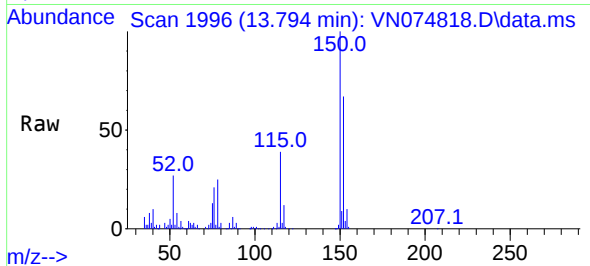




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.794 min Scan# 1996
 Delta R.T. -0.000 min
 Lab File: VN074818.D
 Acq: 07 Oct 2022 17:56

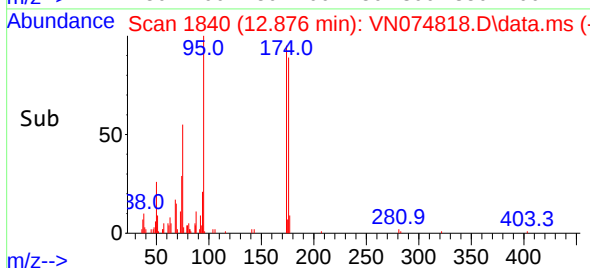
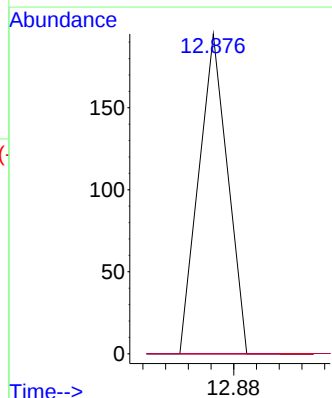
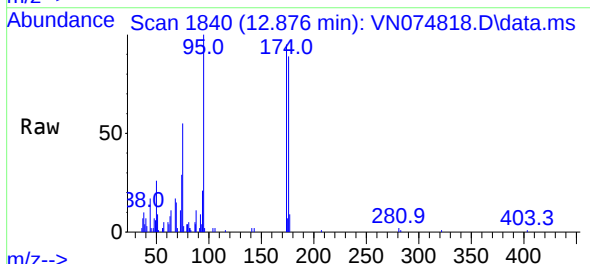
Instrument :
 MSVOA_N
 ClientSampleId :
 006-4

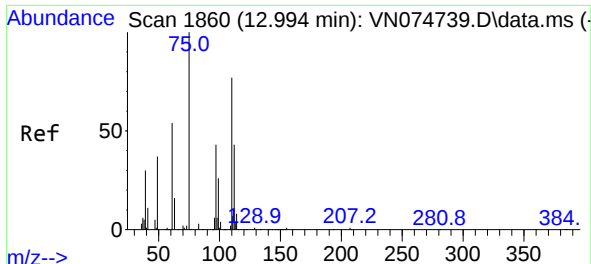
Tgt Ion:152 Resp: 199854
 Ion Ratio Lower Upper
 152 100
 115 58.8 30.0 90.0
 150 153.5 0.0 356.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: Below Cal
 RT: 12.876 min Scan# 1840
 Delta R.T. -0.065 min
 Lab File: VN074818.D
 Acq: 07 Oct 2022 17:56

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#

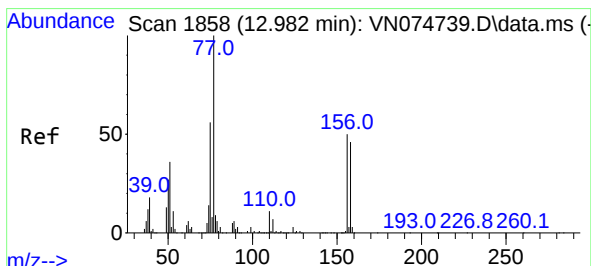
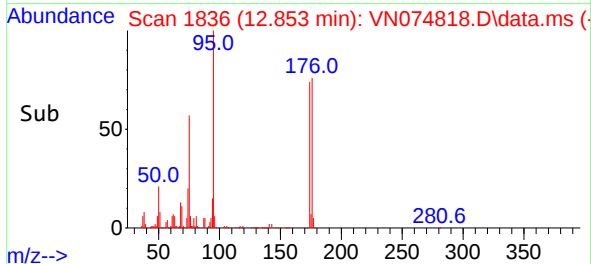
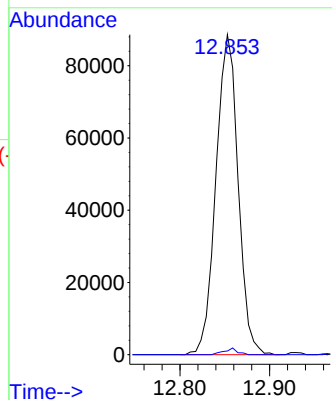
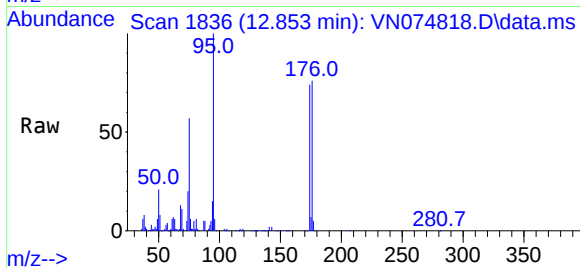




#76
1,2,3-Trichloropropane
Concen: 25.453 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN074818.D
Acq: 07 Oct 2022 17:56

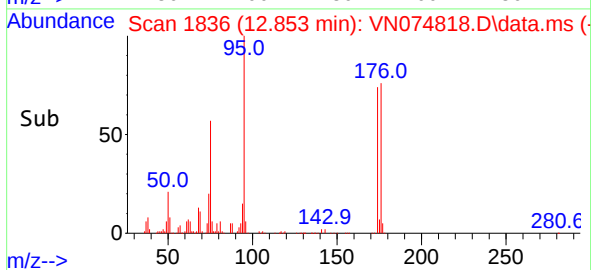
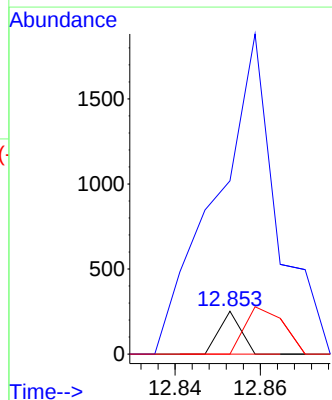
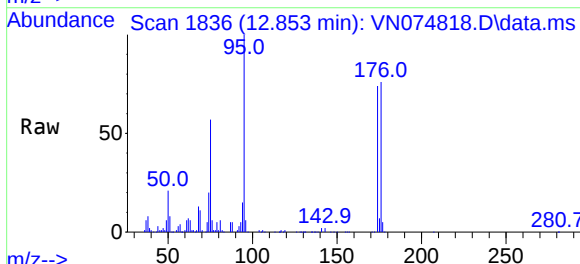
Instrument :
MSVOA_N
ClientSampleId :
006-4

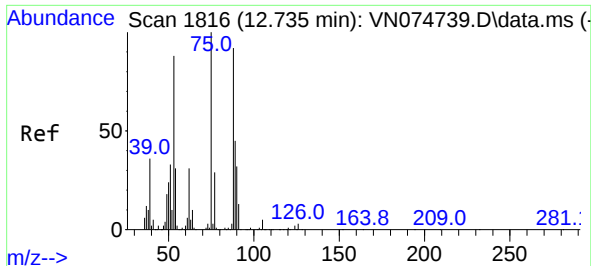
Tgt Ion: 75 Resp: 151829
Ion Ratio Lower Upper
75 100
77 1.2 76.9 230.7#



#77
Bromobenzene
Concen: Below Cal
RT: 12.853 min Scan# 1836
Delta R.T. -0.129 min
Lab File: VN074818.D
Acq: 07 Oct 2022 17:56

Tgt Ion: 156 Resp: 89
Ion Ratio Lower Upper
156 100
77 2083.1 124.7 374.1#
158 193.3 48.3 144.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 49.592 ug/l
RT: 12.853 min Scan# 11
Delta R.T. 0.118 min
Lab File: VN074818.D
Acq: 07 Oct 2022 17:56

Instrument :
MSVOA_N
ClientSampleId :
006-4

Tgt Ion: 75 Resp: 151829
Ion Ratio Lower Upper
75 100
53 0.2 71.4 107.0#
89 0.0 32.1 48.1#

