

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN092122\
 Data File : VN074618.D
 Acq On : 21 Sep 2022 17:04
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Sep 22 06:59:01 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N091522W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 15 19:20:33 2022
 Response via : Initial Calibration

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

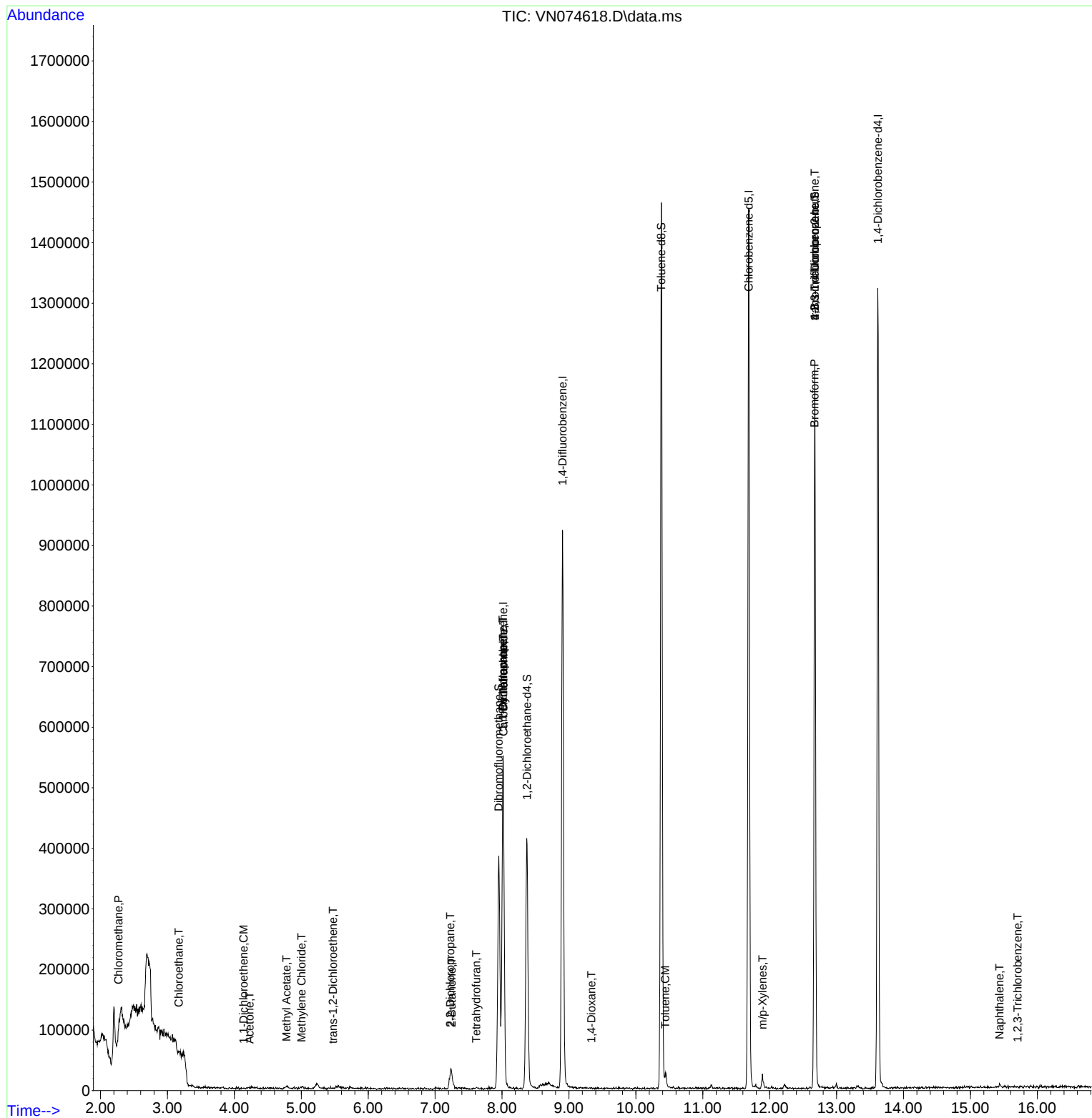
Internal Standards						
1) Pentafluorobenzene	8.016	168	374561	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.904	114	730930	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	728143	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.616	152	303709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	306301	48.196	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.400%
35) Dibromofluoromethane	7.951	113	256511	52.830	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.660%
50) Toluene-d8	10.381	98	921618	49.080	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	98.160%
62) 4-Bromofluorobenzene	12.675	95	328110	51.018	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	102.040%
Target Compounds						
						Qvalue
3) Chloromethane	2.269	50	2544	0.628	ug/l	# 73
6) Chloroethane	3.169	64	2370	0.473	ug/l	# 42
12) 1,1-Dichloroethene	4.140	96	54	0.695	ug/l	# 1
16) Acetone	4.228	43	2536	0.624	ug/l	# 79
18) Methyl Acetate	4.781	43	8298	0.657	ug/l	# 67
20) Methylene Chloride	5.004	84	1529	0.277	ug/l	# 44
21) trans-1,2-Dichloroethene	5.475	96	160	0.458	ug/l	# 1
25) 2-Butanone	7.245	43	2335	0.346	ug/l	# 45
26) 2,2-Dichloropropane	7.228	77	2667	0.262	ug/l	# 53
29) Tetrahydrofuran	7.616	42	1173	0.264	ug/l	# 44
31) Cyclohexane	8.016	56	13241	1.174	ug/l	# 58
36) 1,1-Dichloropropene	8.010	75	37778	4.396	ug/l	# 41
38) Carbon Tetrachloride	8.022	117	38988	4.913	ug/l	# 13
49) 1,4-Dioxane	9.334	88	73	0.412	ug/l	# 1
52) Toluene	10.439	92	7117	0.457	ug/l	90
68) m/p-Xylenes	11.892	106	5045	0.407	ug/l	99
71) Bromoform	12.669	173	2351	0.482	ug/l	# 28
76) 1,2,3-Trichloropropane	12.675	75	210996	22.570	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.675	75	210996	48.714	ug/l	# 11
95) Naphthalene	15.433	128	3383	1.715	ug/l	# 69
96) 1,2,3-Trichlorobenzene	15.704	180	60	1.346	ug/l	# 12

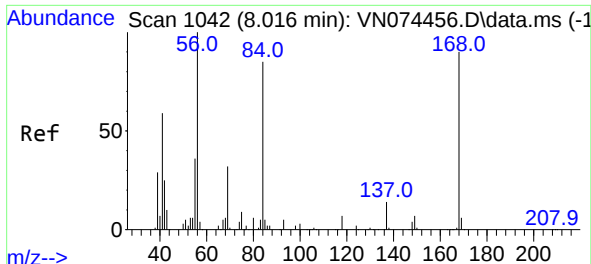
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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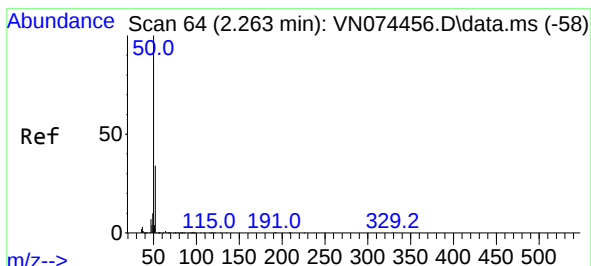
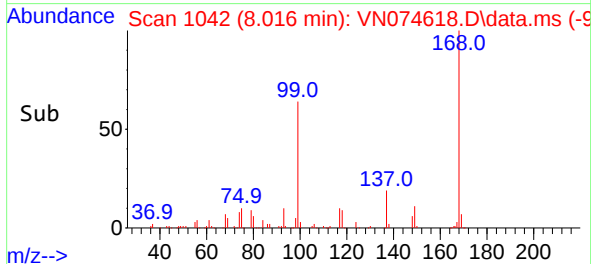
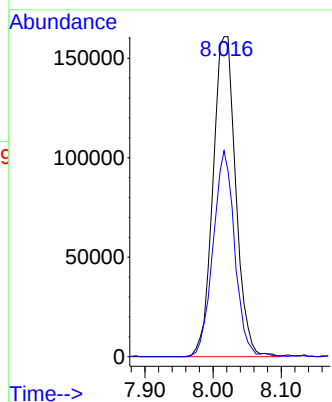
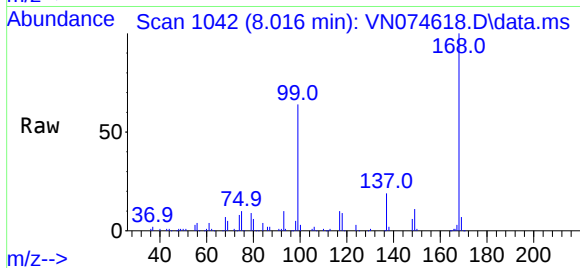




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.016 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VN074618.D
Acq: 21 Sep 2022 17:04

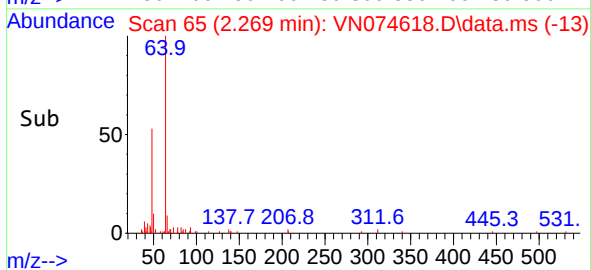
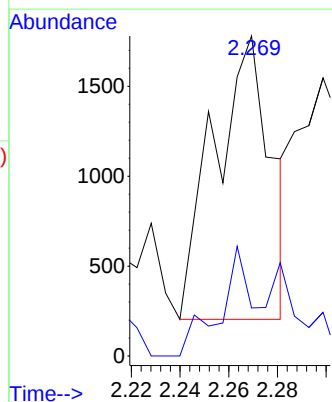
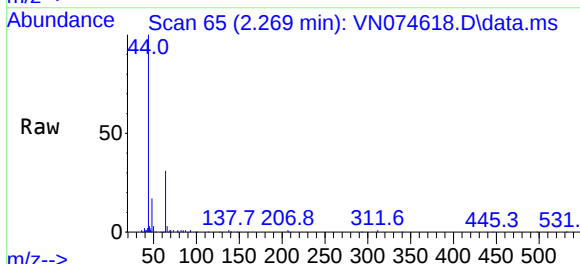
Instrument :
MSVOA_N
ClientSampleId :
IBLK

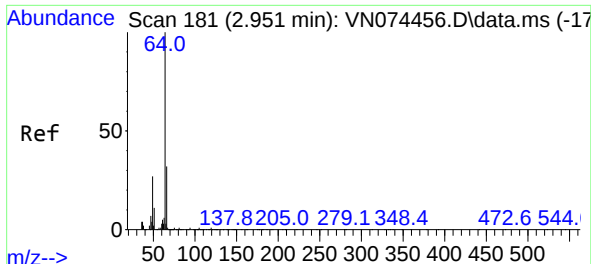
Tgt Ion:168 Resp: 374561
Ion Ratio Lower Upper
168 100
99 64.3 42.3 63.5#



#3
Chloromethane
Concen: 0.628 ug/l
RT: 2.269 min Scan# 65
Delta R.T. 0.006 min
Lab File: VN074618.D
Acq: 21 Sep 2022 17:04

Tgt Ion: 50 Resp: 2544
Ion Ratio Lower Upper
50 100
52 16.9 25.7 38.5#

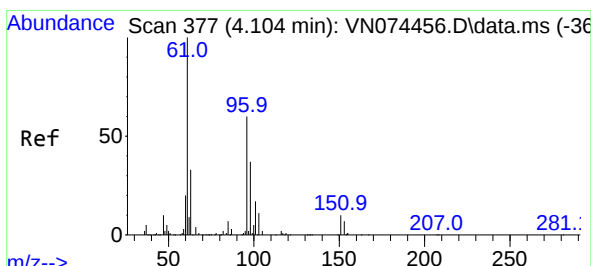
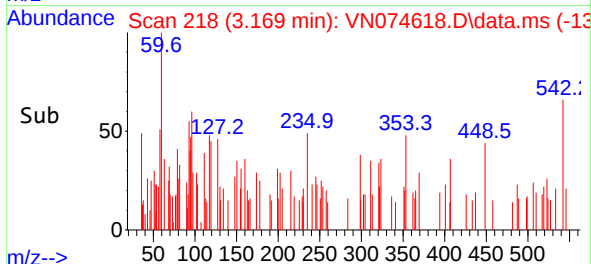
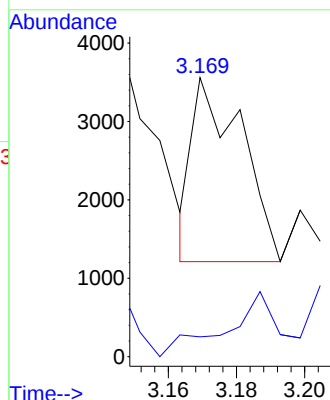
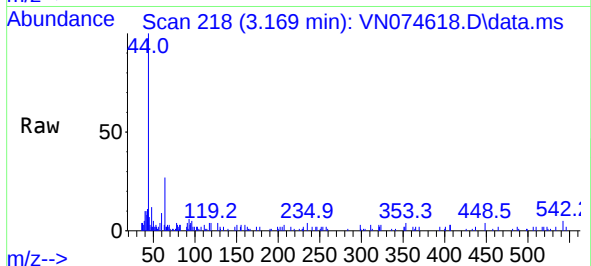




#6
Chloroethane
Concen: 0.473 ug/l
RT: 3.169 min Scan# 21
Delta R.T. 0.218 min
Lab File: VN074618.D
Acq: 21 Sep 2022 17:04

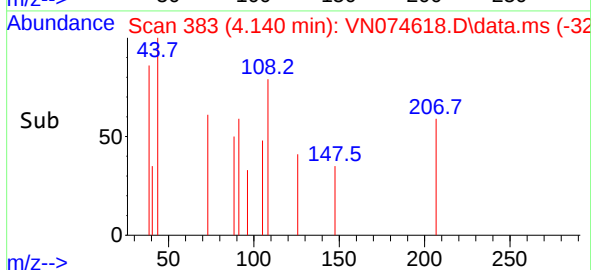
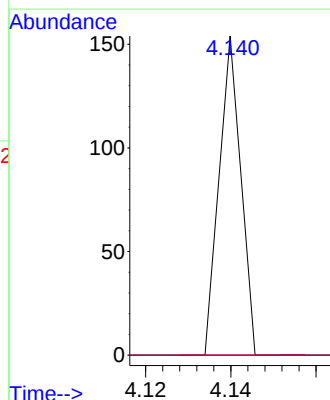
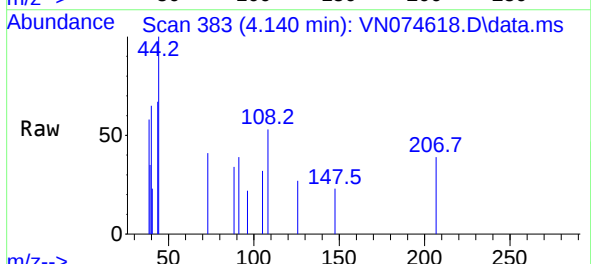
Instrument :
MSVOA_N
ClientSampleId :
IBLK

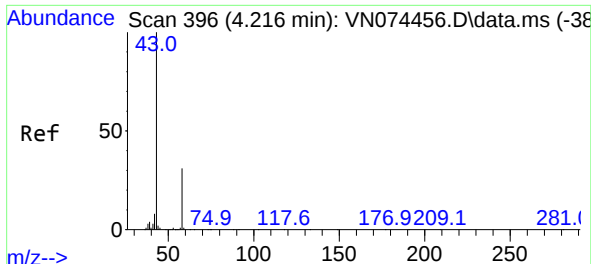
Tgt Ion: 64 Resp: 2370
Ion Ratio Lower Upper
64 100
66 0.0 26.2 39.4#



#12
1,1-Dichloroethene
Concen: 0.695 ug/l
RT: 4.140 min Scan# 383
Delta R.T. 0.036 min
Lab File: VN074618.D
Acq: 21 Sep 2022 17:04

Tgt Ion: 96 Resp: 54
Ion Ratio Lower Upper
96 100
61 0.0 127.6 191.4#
98 0.0 51.2 76.8#

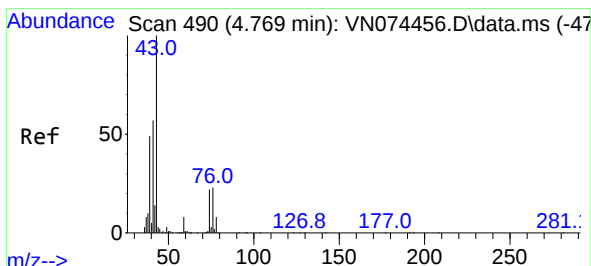
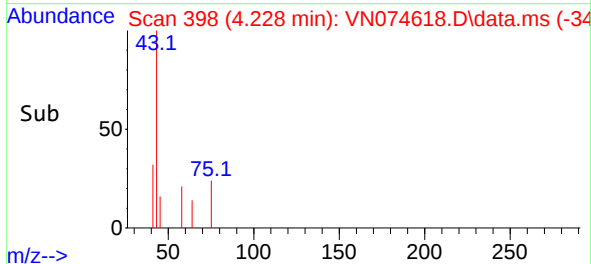
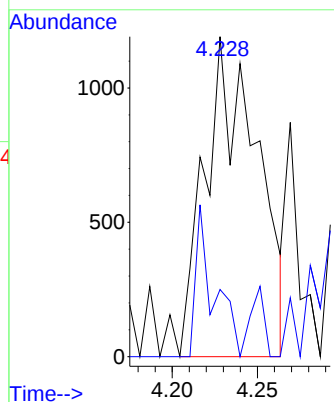
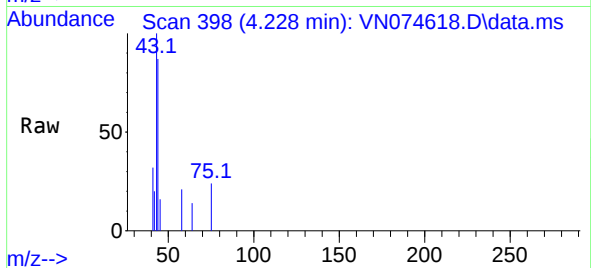




#16
Acetone
Concen: 0.624 ug/l
RT: 4.228 min Scan# 396
Delta R.T. 0.012 min
Lab File: VN074618.D
Acq: 21 Sep 2022 17:04

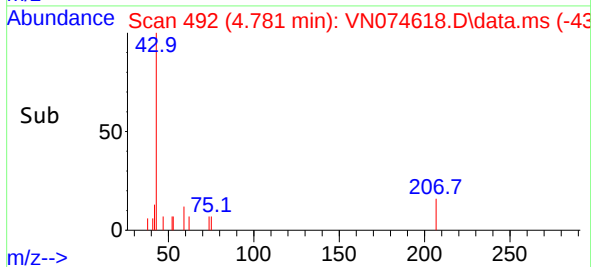
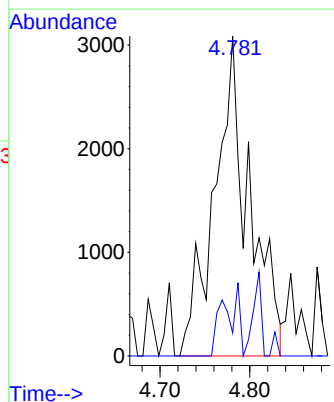
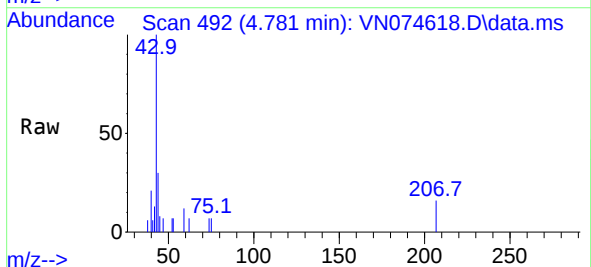
Instrument :
MSVOA_N
ClientSampleId :
IBLK

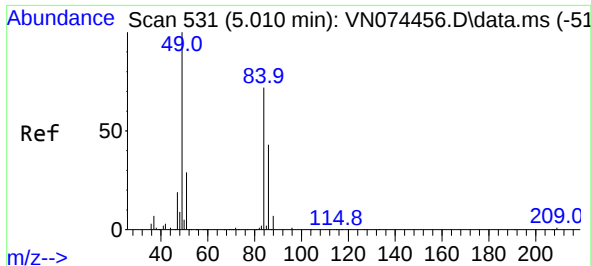
Tgt Ion: 43 Resp: 2536
Ion Ratio Lower Upper
43 100
58 21.0 26.0 39.0#



#18
Methyl Acetate
Concen: 0.657 ug/l
RT: 4.781 min Scan# 492
Delta R.T. 0.012 min
Lab File: VN074618.D
Acq: 21 Sep 2022 17:04

Tgt Ion: 43 Resp: 8298
Ion Ratio Lower Upper
43 100
74 9.8 21.6 32.4#



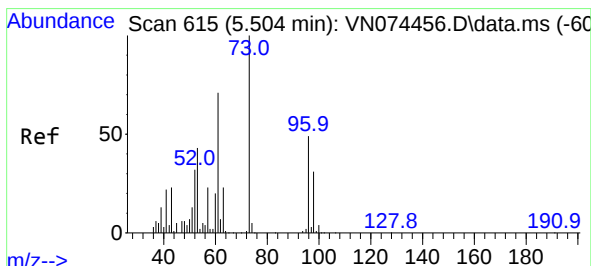
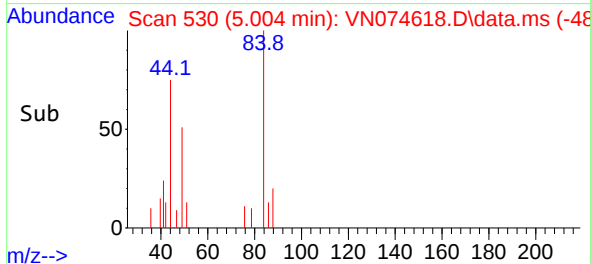
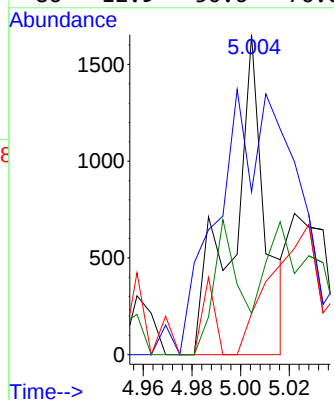
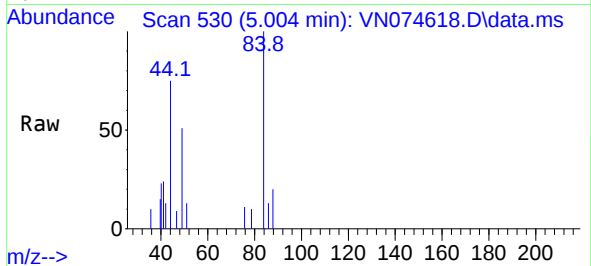


#20
Methylene Chloride
Concen: 0.277 ug/l
RT: 5.004 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN074618.D
Acq: 21 Sep 2022 17:04

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 84 Resp: 1529

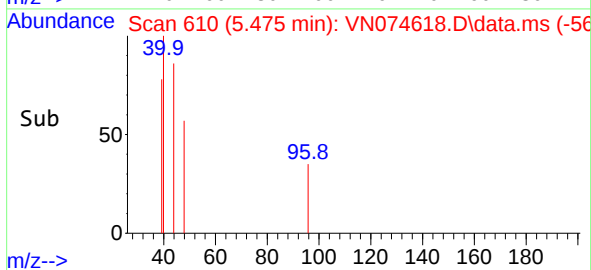
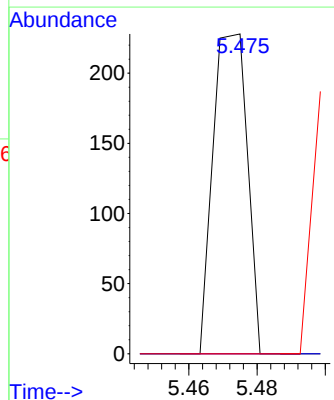
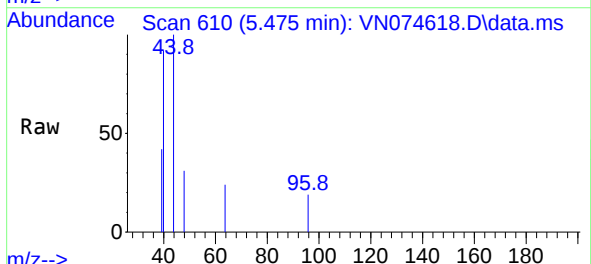
Ion	Ratio	Lower	Upper
84	100		
49	50.8	88.3	132.5#
51	12.8	28.2	42.2#
86	12.9	50.6	76.0#

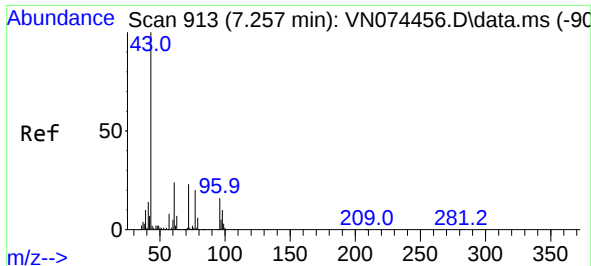


#21
trans-1,2-Dichloroethene
Concen: 0.458 ug/l
RT: 5.475 min Scan# 610
Delta R.T. -0.029 min
Lab File: VN074618.D
Acq: 21 Sep 2022 17:04

Tgt Ion: 96 Resp: 160

Ion	Ratio	Lower	Upper
96	100		
61	0.0	105.8	158.8#
98	0.0	50.3	75.5#

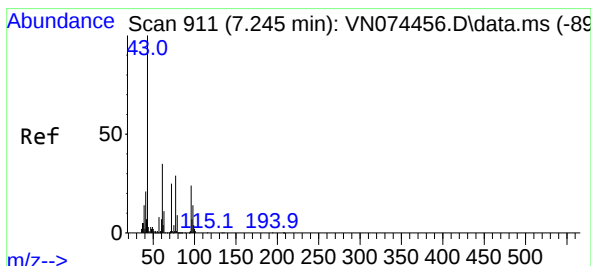
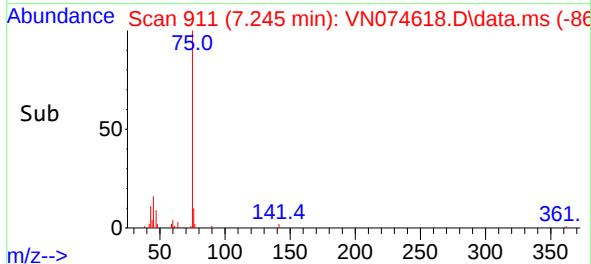
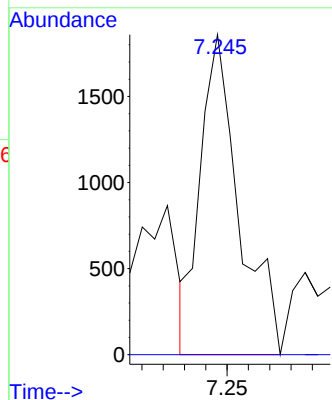
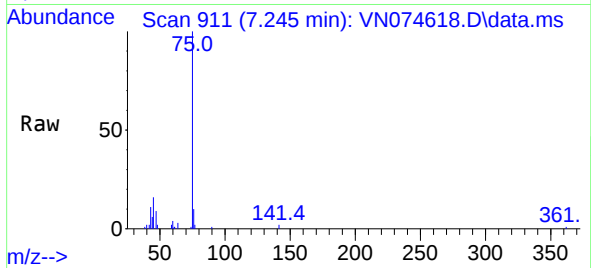




#25
2-Butanone
Concen: 0.346 ug/l
RT: 7.245 min Scan# 911
Delta R.T. -0.012 min
Lab File: VN074618.D
Acq: 21 Sep 2022 17:04

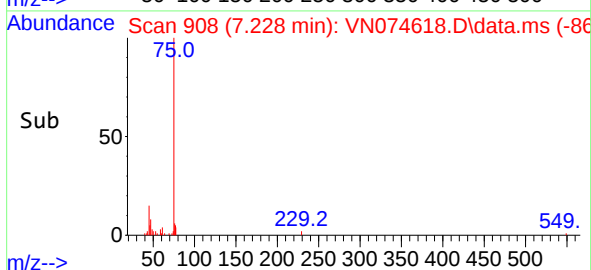
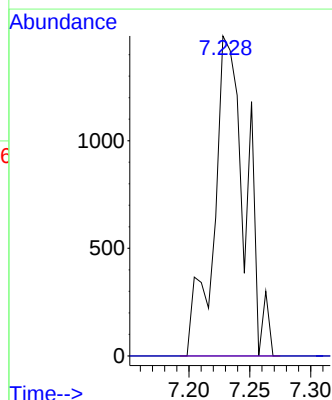
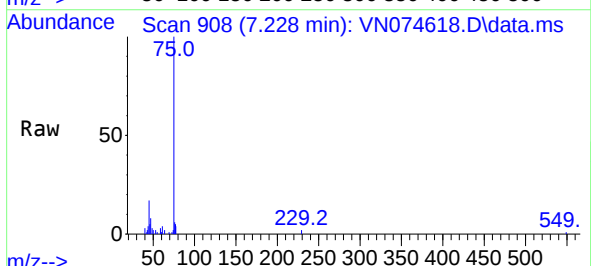
Instrument :
MSVOA_N
ClientSampleId :
IBLK

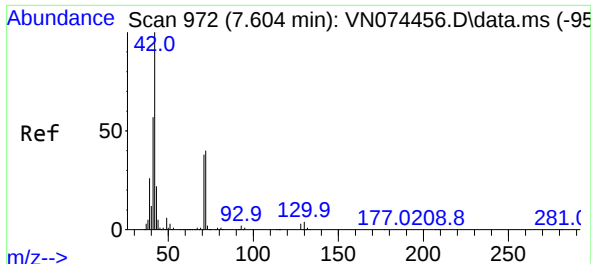
Tgt Ion: 43 Resp: 2335
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#26
2,2-Dichloropropane
Concen: 0.262 ug/l
RT: 7.228 min Scan# 908
Delta R.T. -0.017 min
Lab File: VN074618.D
Acq: 21 Sep 2022 17:04

Tgt Ion: 77 Resp: 2667
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#





#29

Tetrahydrofuran

Concen: 0.264 ug/l

RT: 7.616 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN074618.D

Acq: 21 Sep 2022 17:04

Instrument :

MSVOA_N

ClientSampleId :

IBLK

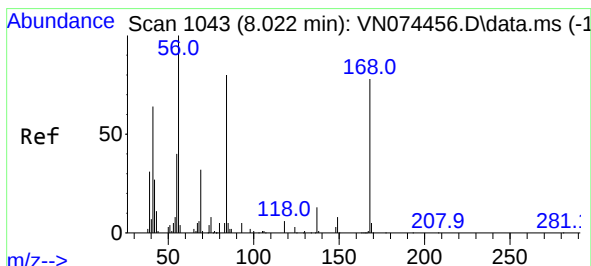
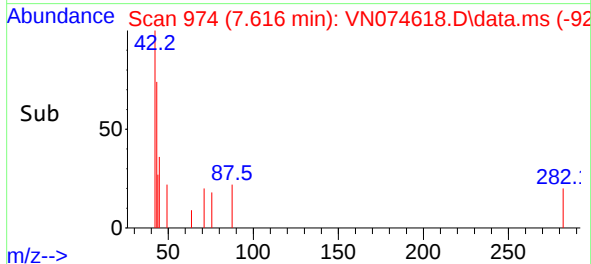
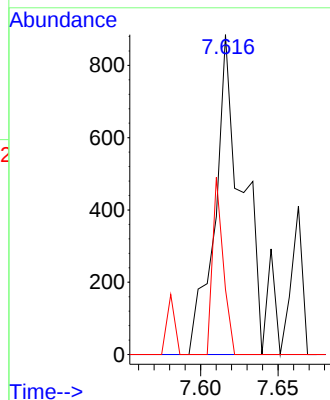
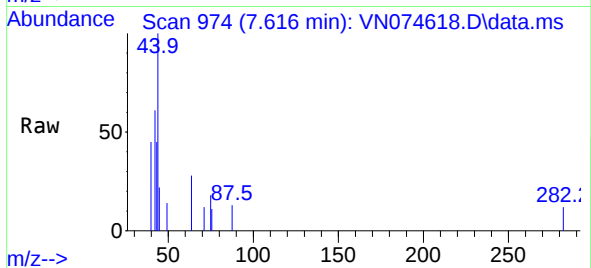
Tgt Ion: 42 Resp: 1173

Ion Ratio Lower Upper

42 100

72 0.0 39.7 59.5#

71 20.1 36.6 55.0#



#31

Cyclohexane

Concen: 1.174 ug/l

RT: 8.016 min Scan# 1042

Delta R.T. -0.006 min

Lab File: VN074618.D

Acq: 21 Sep 2022 17:04

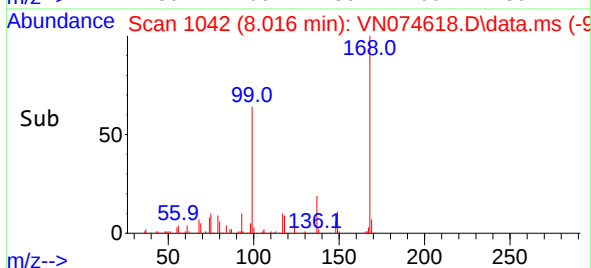
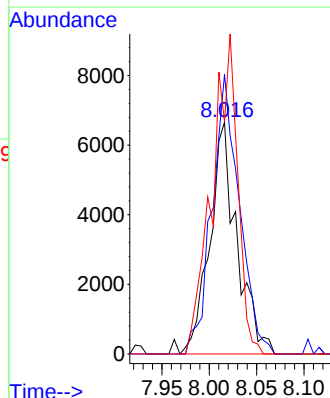
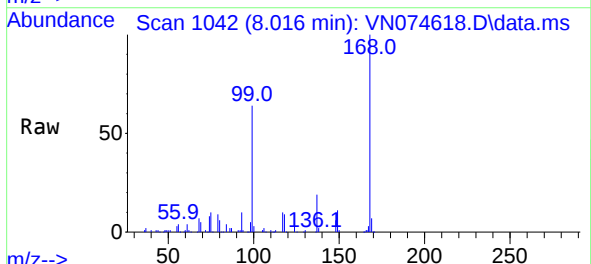
Tgt Ion: 56 Resp: 13241

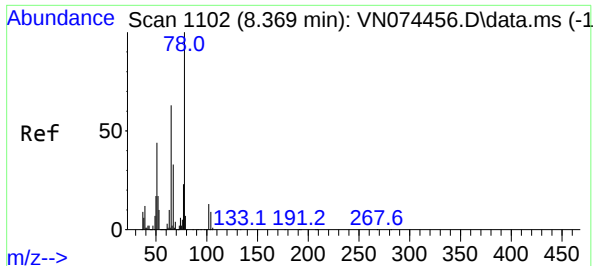
Ion Ratio Lower Upper

56 100

69 120.5 27.8 41.8#

84 100.0 76.9 115.3

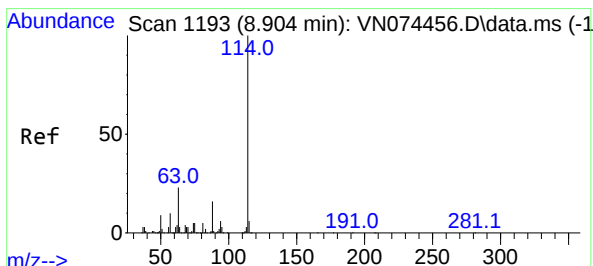
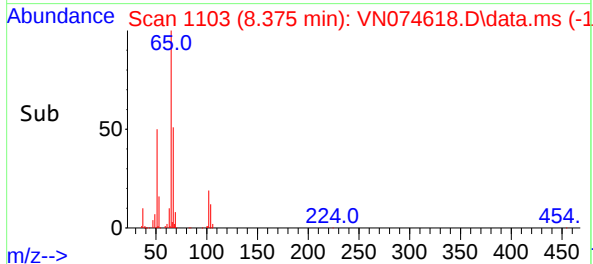
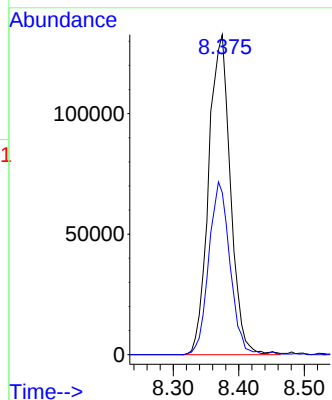
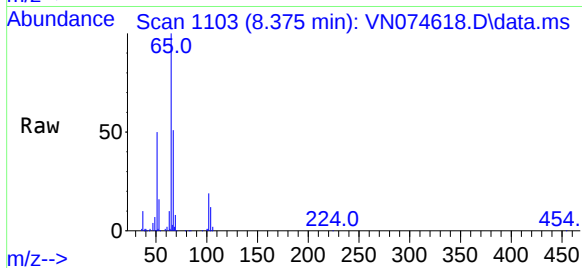




#33
1,2-Dichloroethane-d4
Concen: 48.196 ug/l
RT: 8.375 min Scan# 1102
Delta R.T. 0.006 min
Lab File: VN074618.D
Acq: 21 Sep 2022 17:04

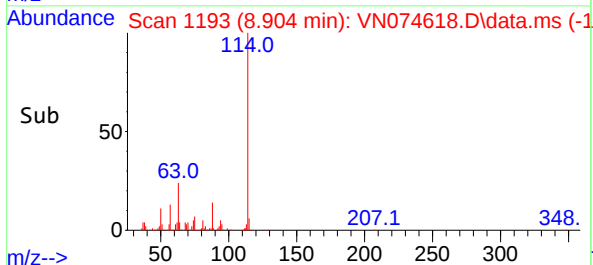
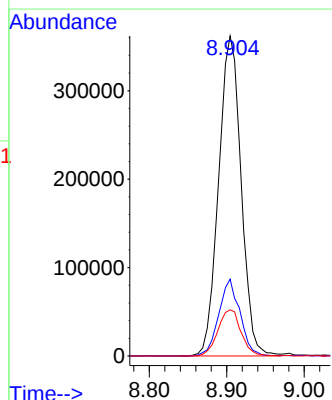
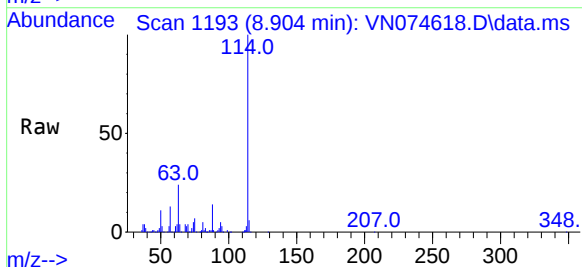
Instrument :
MSVOA_N
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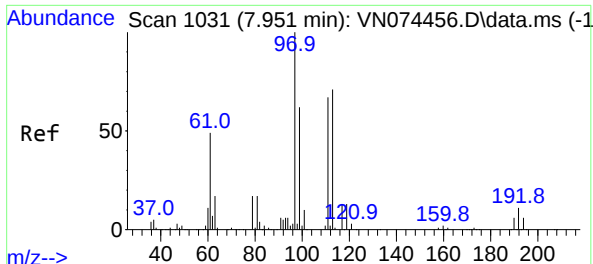
Tgt Ion: 65 Resp: 306301
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.8



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VN074618.D
Acq: 21 Sep 2022 17:04

Tgt Ion: 114 Resp: 730930
Ion Ratio Lower Upper
114 100
63 24.0 0.0 40.0
88 14.4 0.0 32.6

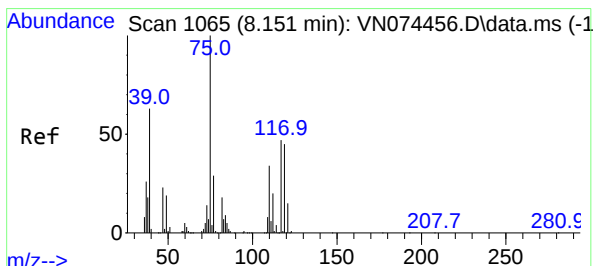
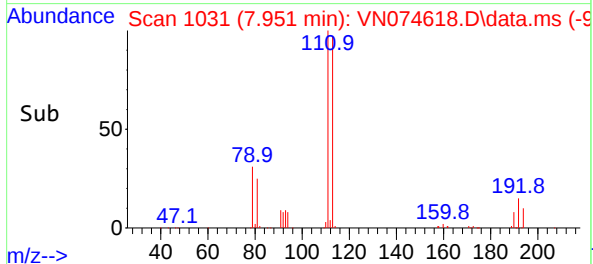
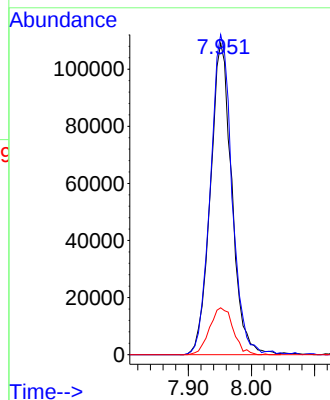
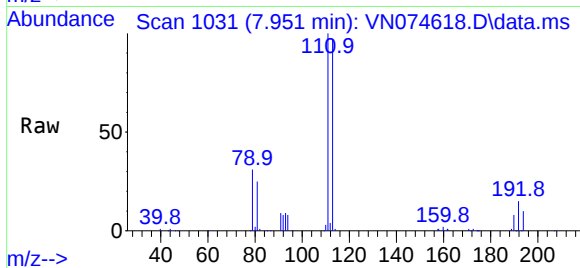




#35
 Dibromofluoromethane
 Concen: 52.830 ug/l
 RT: 7.951 min Scan# 1031
 Delta R.T. 0.000 min
 Lab File: VN074618.D
 Acq: 21 Sep 2022 17:04

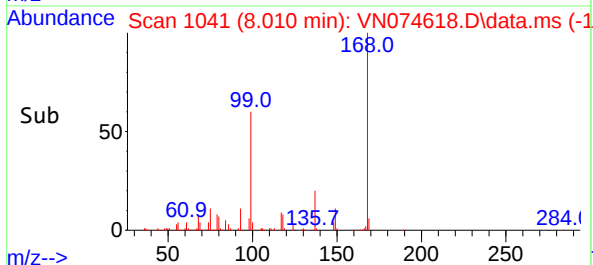
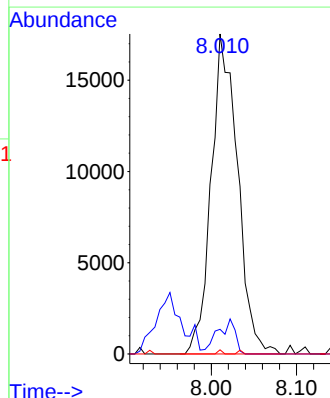
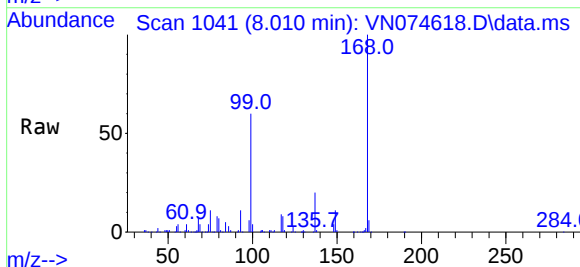
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

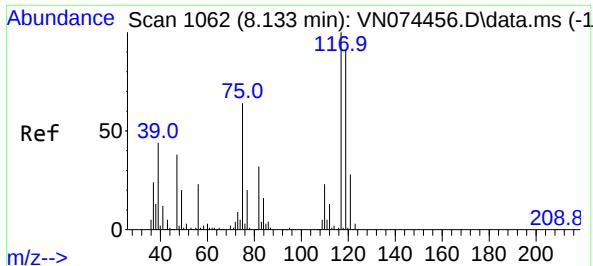
Tgt Ion:113 Resp: 256511
 Ion Ratio Lower Upper
 113 100
 111 103.5 81.4 122.0
 192 16.6 17.0 25.6#



#36
 1,1-Dichloropropene
 Concen: 4.396 ug/l
 RT: 8.010 min Scan# 1041
 Delta R.T. -0.141 min
 Lab File: VN074618.D
 Acq: 21 Sep 2022 17:04

Tgt Ion: 75 Resp: 37778
 Ion Ratio Lower Upper
 75 100
 110 0.0 18.3 54.8#
 77 0.2 25.1 37.7#

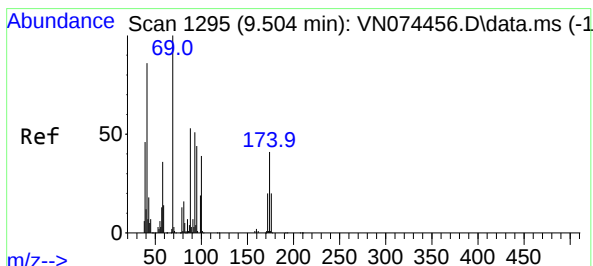
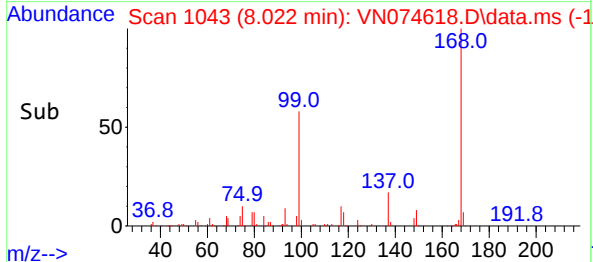
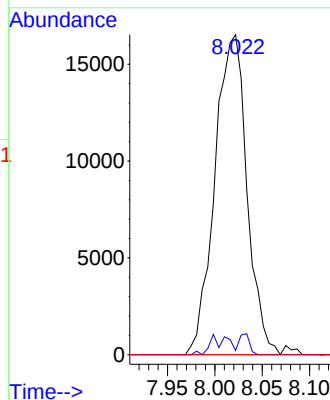
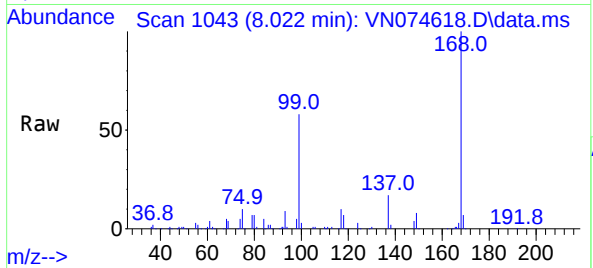




#38
Carbon Tetrachloride
Concen: 4.913 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.111 min
Lab File: VN074618.D
Acq: 21 Sep 2022 17:04

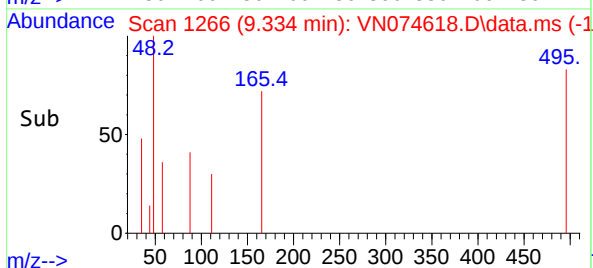
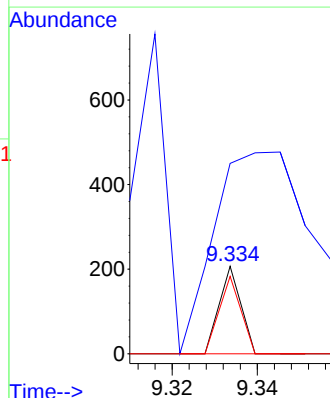
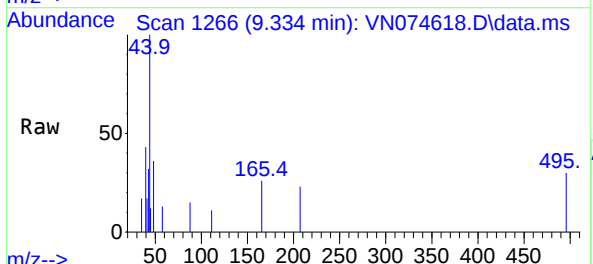
Instrument :
MSVOA_N
ClientSampleId :
IBLK

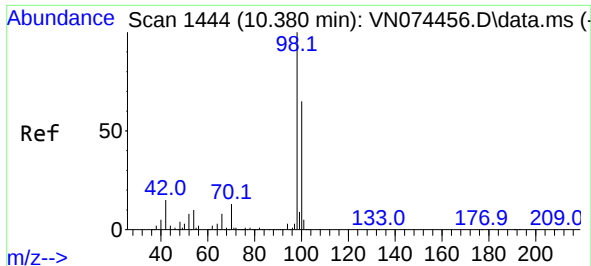
Tgt Ion:117 Resp: 38988
Ion Ratio Lower Upper
117 100
119 1.3 75.8 113.8#
121 0.0 24.6 37.0#



#49
1,4-Dioxane
Concen: 0.412 ug/l
RT: 9.334 min Scan# 1266
Delta R.T. -0.170 min
Lab File: VN074618.D
Acq: 21 Sep 2022 17:04

Tgt Ion: 88 Resp: 73
Ion Ratio Lower Upper
88 100
43 1345.2 20.2 30.4#
58 89.0 54.2 81.4#

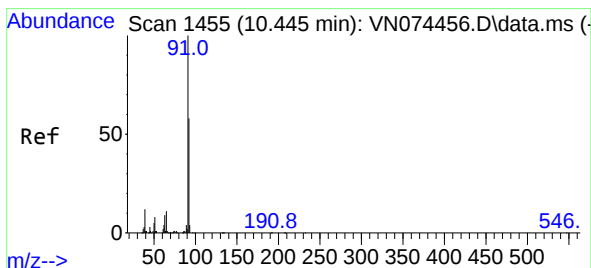
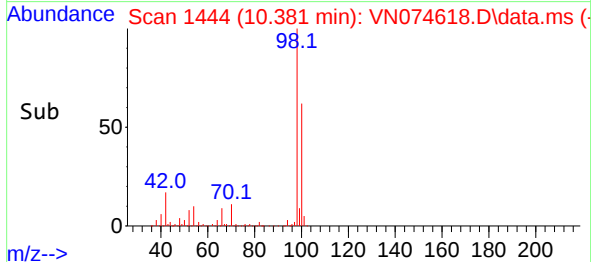
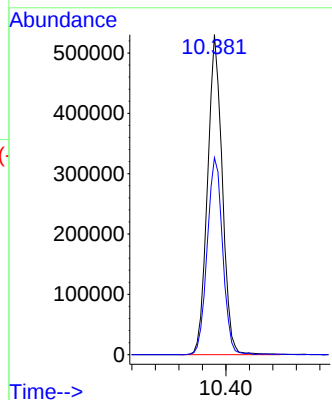
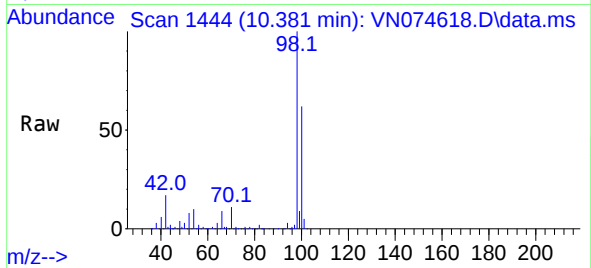




#50
Toluene-d8
Concen: 49.080 ug/l
RT: 10.381 min Scan# 1444
Delta R.T. 0.001 min
Lab File: VN074618.D
Acq: 21 Sep 2022 17:04

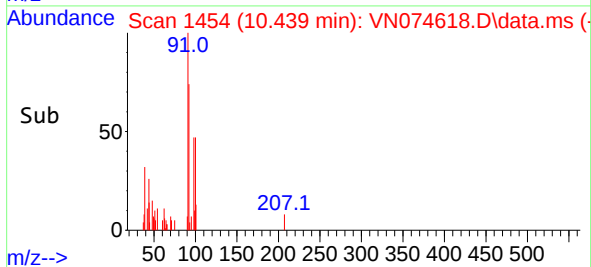
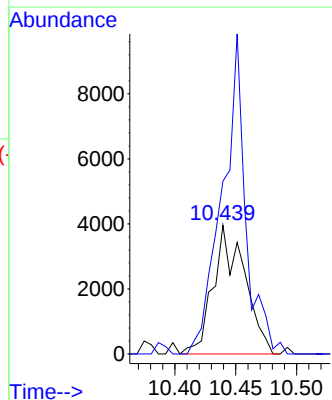
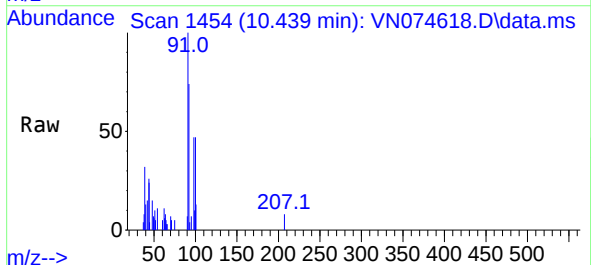
Instrument :
MSVOA_N
ClientSampleId :
IBLK

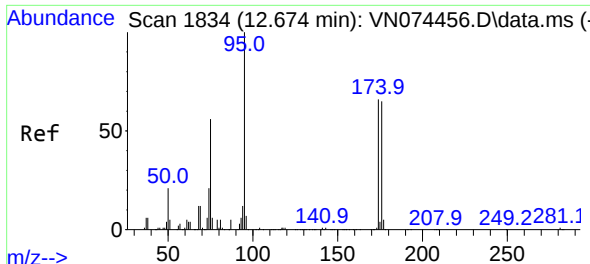
Tgt Ion: 98 Resp: 921618
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8



#52
Toluene
Concen: 0.457 ug/l
RT: 10.439 min Scan# 1454
Delta R.T. -0.006 min
Lab File: VN074618.D
Acq: 21 Sep 2022 17:04

Tgt Ion: 92 Resp: 7117
Ion Ratio Lower Upper
92 100
91 187.2 138.6 207.8

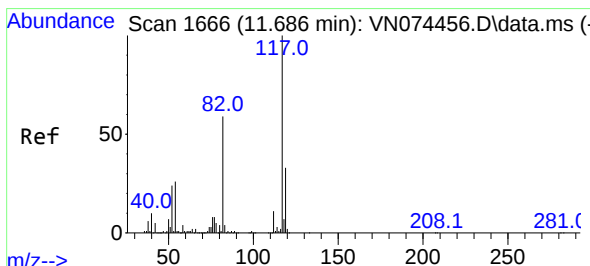
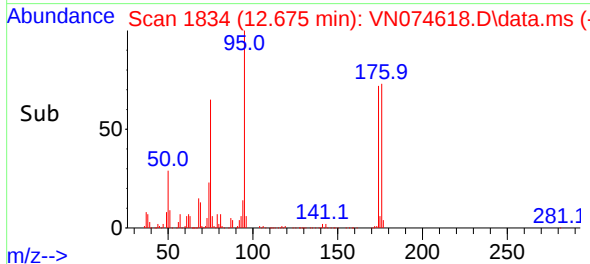
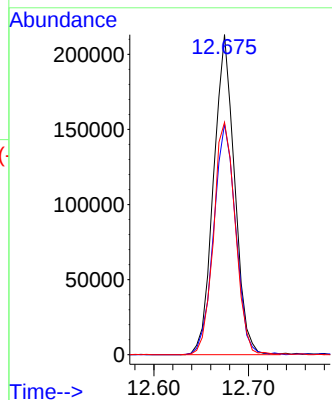
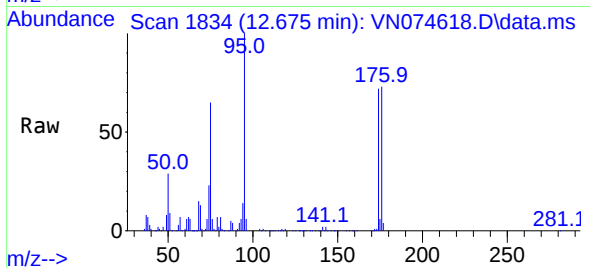




#62
4-Bromofluorobenzene
Concen: 51.018 ug/l
RT: 12.675 min Scan# 1834
Delta R.T. 0.001 min
Lab File: VN074618.D
Acq: 21 Sep 2022 17:04

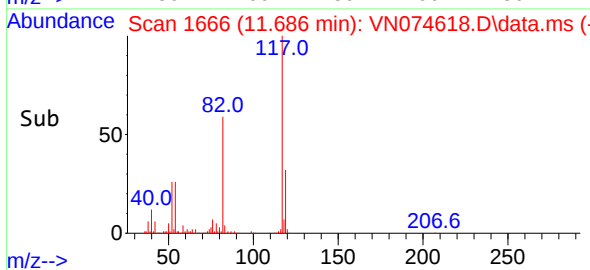
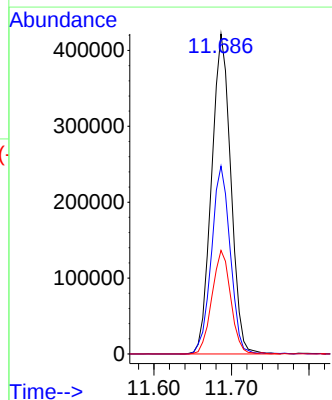
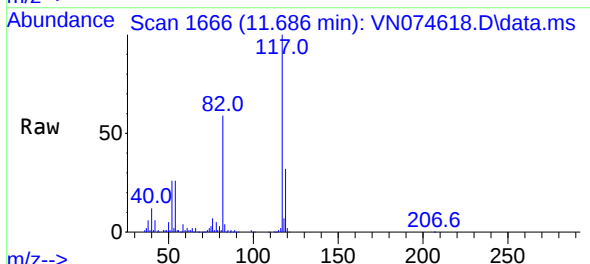
Instrument :
MSVOA_N
ClientSampleId :
IBLK

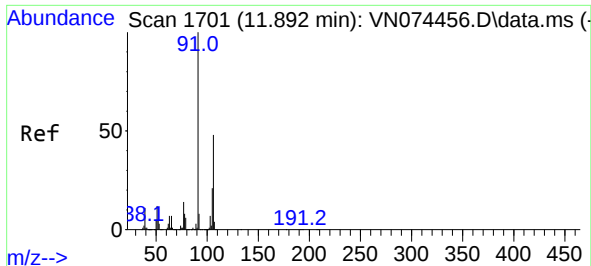
Tgt Ion: 95 Resp: 328110
Ion Ratio Lower Upper
95 100
174 75.6 0.0 167.6
176 75.4 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074618.D
Acq: 21 Sep 2022 17:04

Tgt Ion: 117 Resp: 728143
Ion Ratio Lower Upper
117 100
82 58.7 44.2 66.2
119 32.3 25.4 38.0

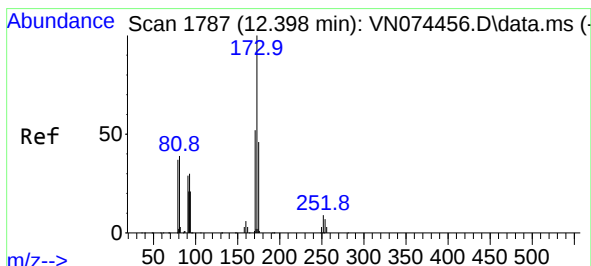
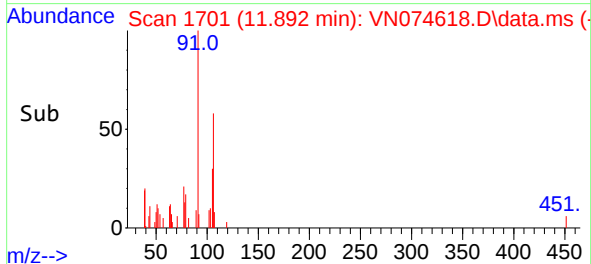
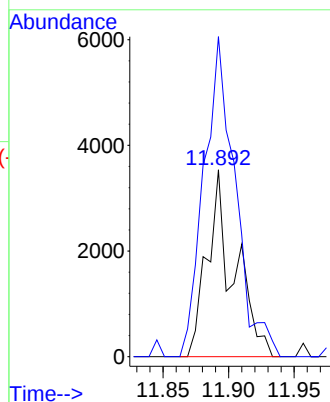
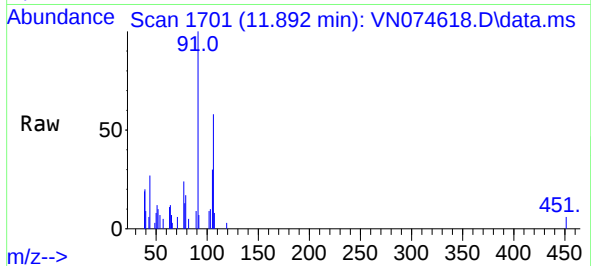




#68
m/p-Xylenes
Concen: 0.407 ug/l
RT: 11.892 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN074618.D
Acq: 21 Sep 2022 17:04

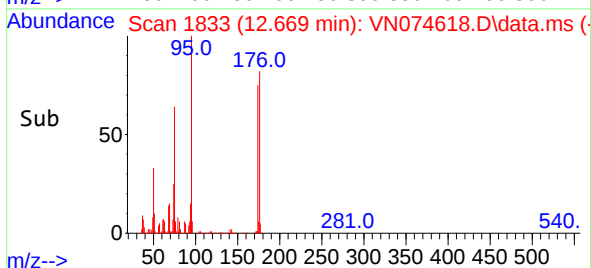
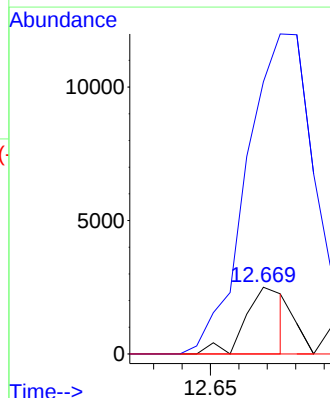
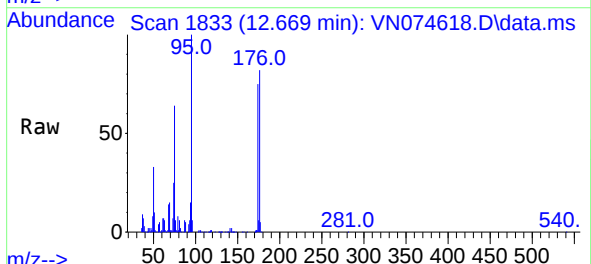
Instrument :
MSVOA_N
ClientSampleId :
IBLK

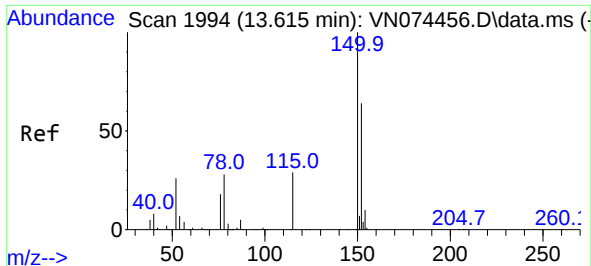
Tgt Ion:106 Resp: 5045
Ion Ratio Lower Upper
106 100
91 199.7 158.9 238.3



#71
Bromoform
Concen: 0.482 ug/l
RT: 12.669 min Scan# 1833
Delta R.T. 0.271 min
Lab File: VN074618.D
Acq: 21 Sep 2022 17:04

Tgt Ion:173 Resp: 2351
Ion Ratio Lower Upper
173 100
175 0.0 24.6 73.6#
254 0.0 0.1 0.1#

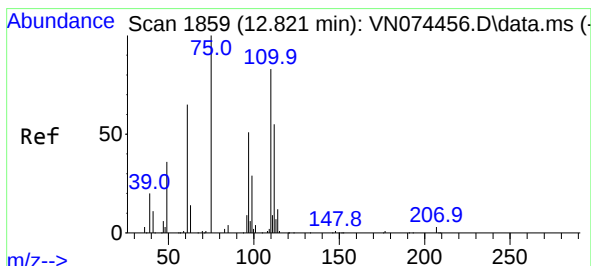
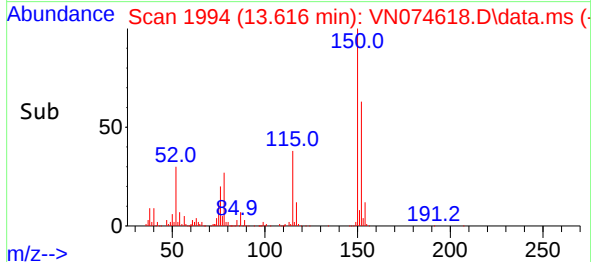
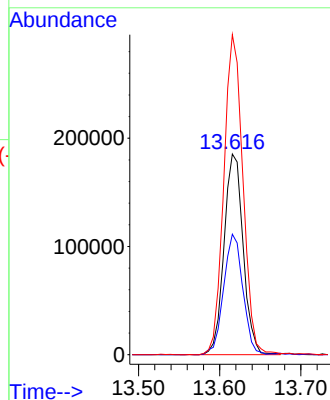
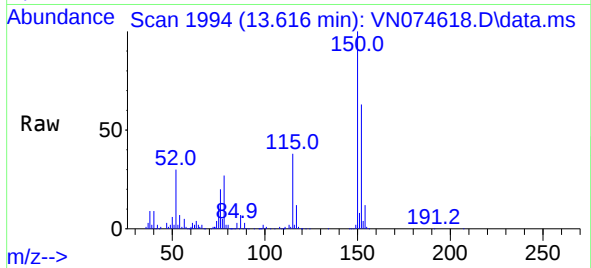




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.616 min Scan# 1994
 Delta R.T. 0.001 min
 Lab File: VN074618.D
 Acq: 21 Sep 2022 17:04

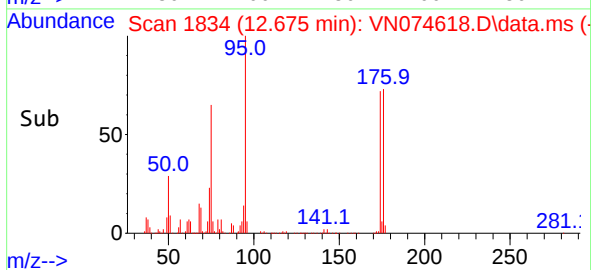
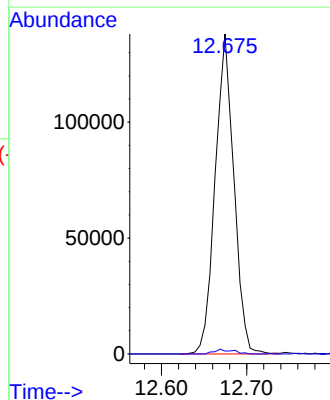
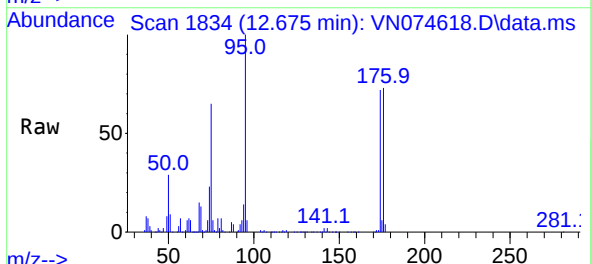
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

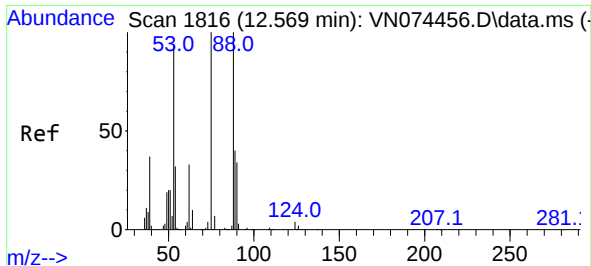
Tgt Ion:152 Resp: 303709
 Ion Ratio Lower Upper
 152 100
 115 60.5 28.9 86.7
 150 160.1 0.0 356.2



#76
 1,2,3-Trichloropropane
 Concen: 22.570 ug/l
 RT: 12.675 min Scan# 1834
 Delta R.T. -0.146 min
 Lab File: VN074618.D
 Acq: 21 Sep 2022 17:04

Tgt Ion: 75 Resp: 210996
 Ion Ratio Lower Upper
 75 100
 77 1.5 98.5 295.5#

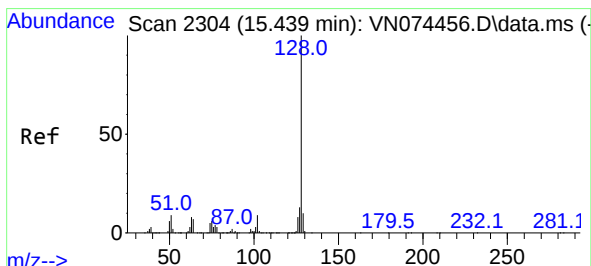
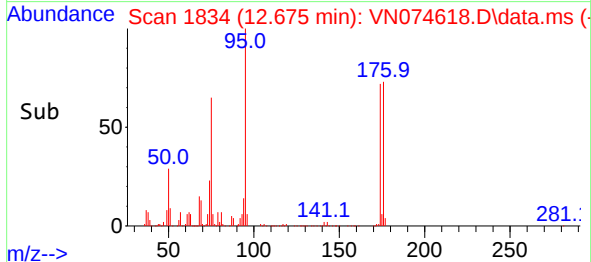
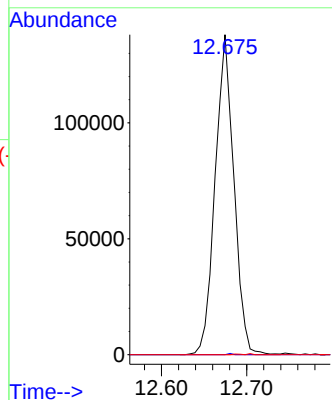
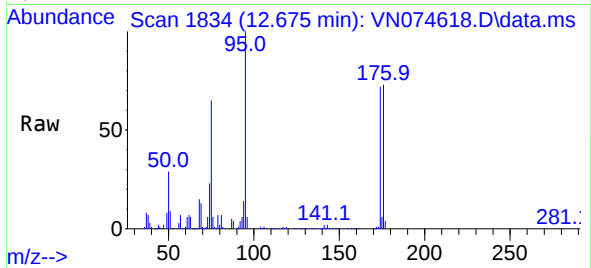




#81
trans-1,4-Dichloro-2-butene
Concen: 48.714 ug/l
RT: 12.675 min Scan# 1816
Delta R.T. 0.106 min
Lab File: VN074618.D
Acq: 21 Sep 2022 17:04

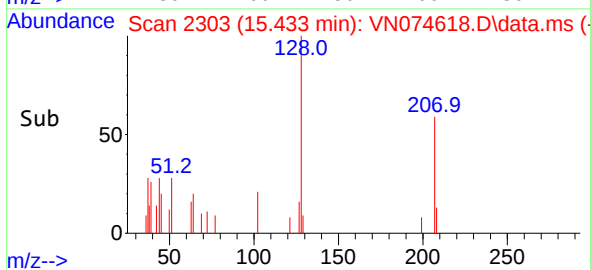
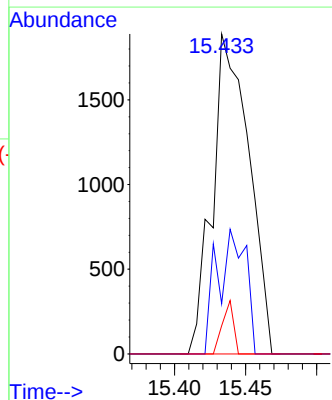
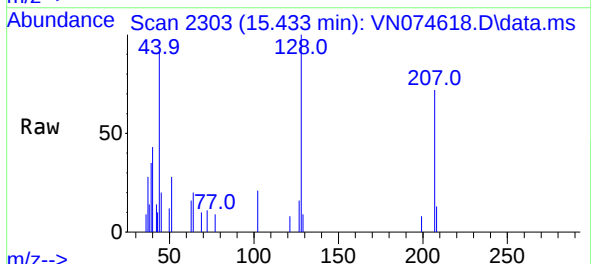
Instrument :
MSVOA_N
ClientSampleId :
IBLK

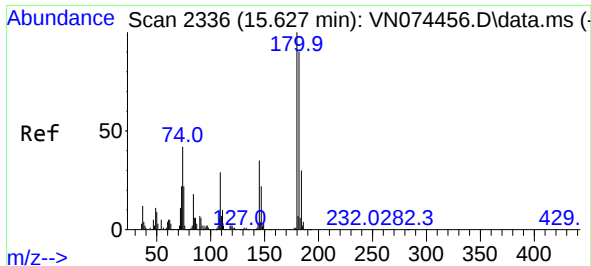
Tgt Ion: 75 Resp: 210996
Ion Ratio Lower Upper
75 100
53 0.1 78.0 117.0#
89 0.1 37.2 55.8#



#95
Naphthalene
Concen: 1.715 ug/l
RT: 15.433 min Scan# 2303
Delta R.T. -0.006 min
Lab File: VN074618.D
Acq: 21 Sep 2022 17:04

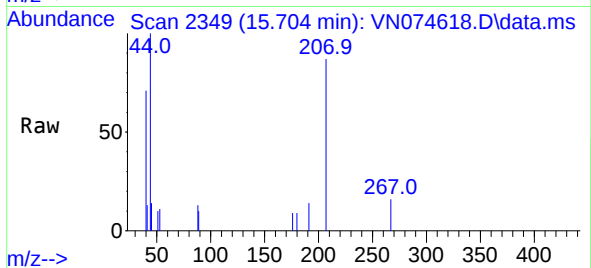
Tgt Ion:128 Resp: 3383
Ion Ratio Lower Upper
128 100
127 30.1 10.3 15.5#
129 5.0 8.6 13.0#





#96
 1,2,3-Trichlorobenzene
 Concen: 1.346 ug/l
 RT: 15.704 min Scan# 21
 Delta R.T. 0.077 min
 Lab File: VN074618.D
 Acq: 21 Sep 2022 17:04

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK



Tgt Ion:180 Resp: 60
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.8 143.3#
 145 0.0 15.5 46.5#

