

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081922\
 Data File : VN074040.D
 Acq On : 19 Aug 2022 20:45
 Operator : JC\MD
 Sample : N4247-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 24 Sample Multiplier: 1

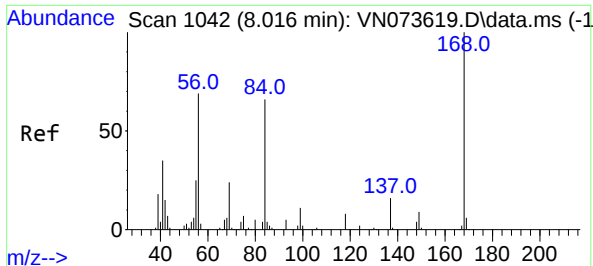
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-3

Quant Time: Aug 20 03:09:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N081522W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 16 00:45:21 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.022	168	514318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	830546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	838408	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	484939	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.375	65	276527	55.201	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	110.400%
35) Dibromofluoromethane	7.957	113	261302	53.199	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	106.400%
50) Toluene-d8	10.380	98	903856	47.514	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	95.020%
62) 4-Bromofluorobenzene	12.674	95	399635	63.300	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	126.600%#
Target Compounds						
					Qvalue	
5) Bromomethane	2.846	94	734	0.202	ug/l #	2
11) Tert butyl alcohol	5.298	59	2099	1.873	ug/l #	72
16) Acetone	4.234	43	59949	25.366	ug/l	98
18) Methyl Acetate	4.781	43	5635	Below Cal		97
20) Methylene Chloride	5.016	84	35830	7.185	ug/l	97
25) 2-Butanone	7.269	43	13511	3.605	ug/l	92
29) Tetrahydrofuran	7.628	42	1687	0.702	ug/l #	64
31) Cyclohexane	8.022	56	8915	1.277	ug/l #	1
36) 1,1-Dichloropropene	8.016	75	34320	5.031	ug/l #	48
37) Ethyl Acetate	7.339	43	77143	9.334	ug/l	97
38) Carbon Tetrachloride	8.022	117	45996	5.898	ug/l #	16
40) Benzene	8.392	78	10434	0.485	ug/l #	82
43) Isopropyl Acetate	8.498	43	332290	28.222	ug/l #	91
48) Methyl methacrylate	9.492	41	11980	2.378	ug/l #	38
49) 1,4-Dioxane	9.492	88	54	0.360	ug/l #	1
51) 4-Methyl-2-Pentanone	10.269	43	15679	1.970	ug/l	92
52) Toluene	10.445	92	12417	0.841	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	2222	0.282	ug/l #	5
54) cis-1,3-Dichloropropene	10.186	75	118475	13.759	ug/l #	58
57) 1,3-Dichloropropane	11.033	76	16740	1.793	ug/l #	42
59) 2-Hexanone	11.033	43	199880	32.625	ug/l #	50
68) m/p-Xylenes	11.892	106	6362	0.528	ug/l	100
69) o-Xylene	12.221	106	3988	0.330	ug/l	100
74) N-amyl acetate	12.304	43	4384	0.328	ug/l #	39
76) 1,2,3-Trichloropropane	12.674	75	194930	19.339	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	194930	55.005	ug/l #	10
95) Naphthalene	15.433	128	59332	1.747	ug/l	97

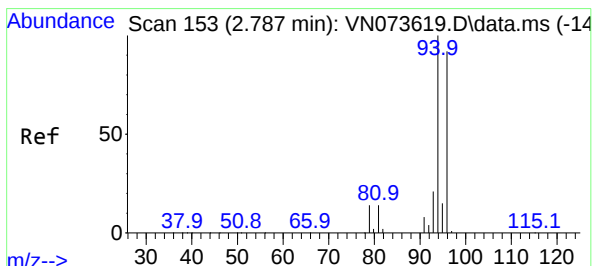
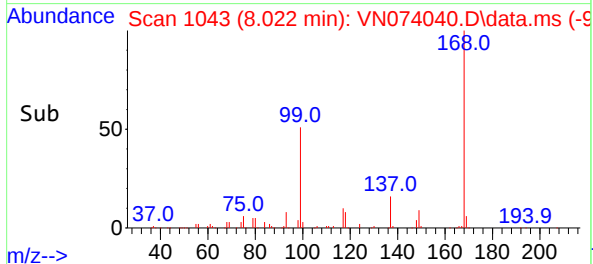
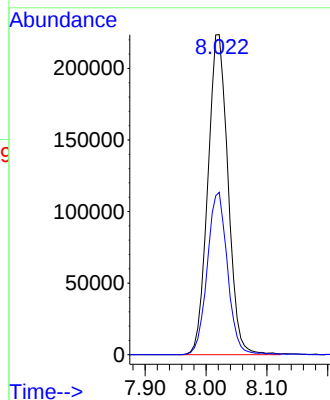
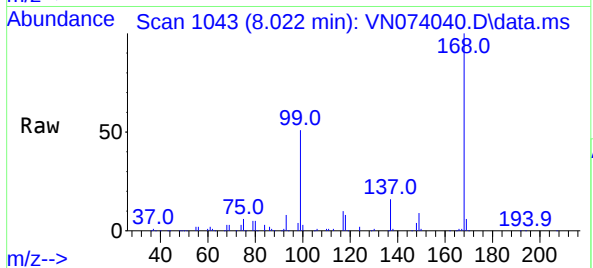
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 10
Delta R.T. 0.006 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

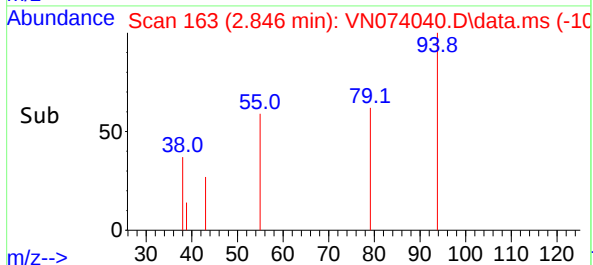
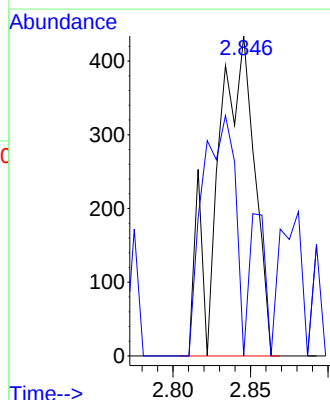
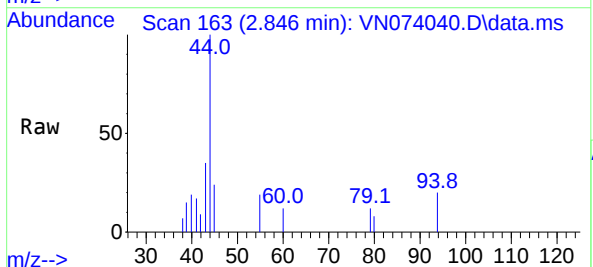
Instrument :
MSVOA_N
ClientSampleId :
SB-3

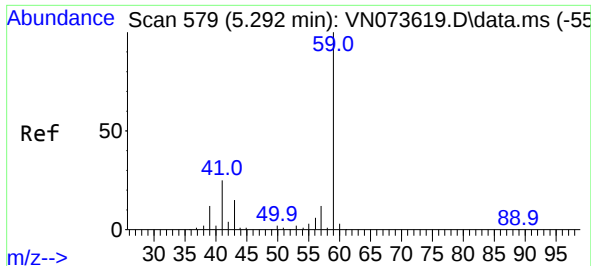
Tgt Ion:168 Resp: 514318
Ion Ratio Lower Upper
168 100
99 50.8 42.3 63.5



#5
Bromomethane
Concen: 0.202 ug/l
RT: 2.846 min Scan# 163
Delta R.T. 0.059 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

Tgt Ion: 94 Resp: 734
Ion Ratio Lower Upper
94 100
96 0.0 76.0 114.0#

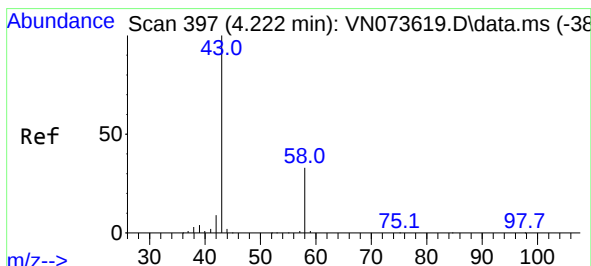
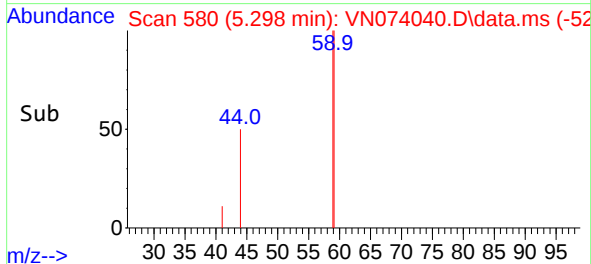
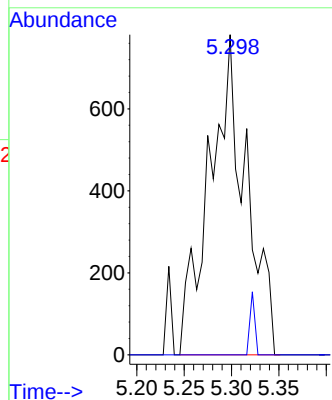
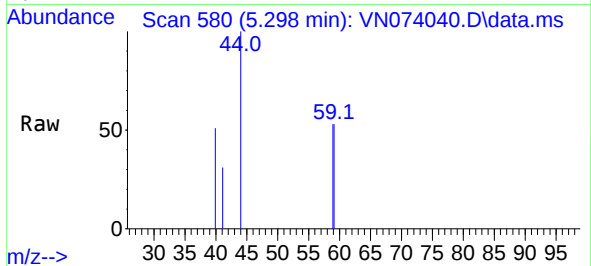




#11
Tert butyl alcohol
Concen: 1.873 ug/l
RT: 5.298 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

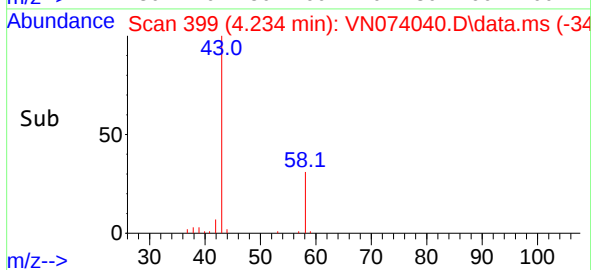
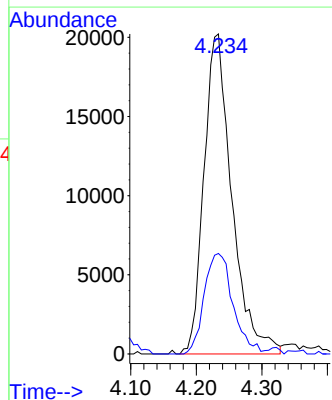
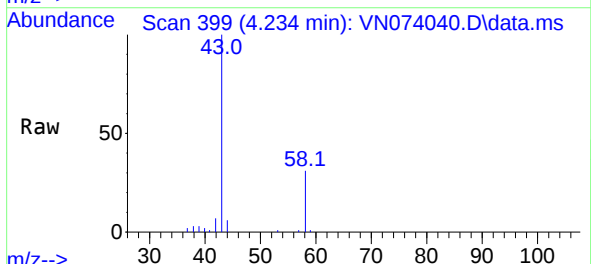
Instrument :
MSVOA_N
ClientSampleId :
SB-3

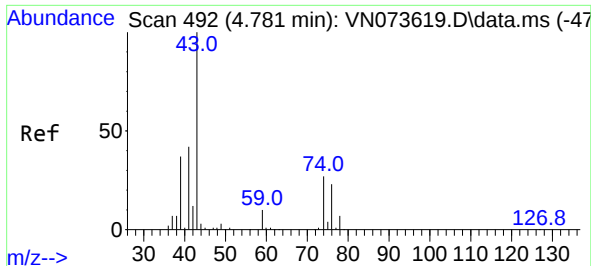
Tgt Ion: 59 Resp: 2099
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 25.366 ug/l
RT: 4.234 min Scan# 399
Delta R.T. 0.012 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

Tgt Ion: 43 Resp: 59949
Ion Ratio Lower Upper
43 100
58 31.4 26.0 39.0

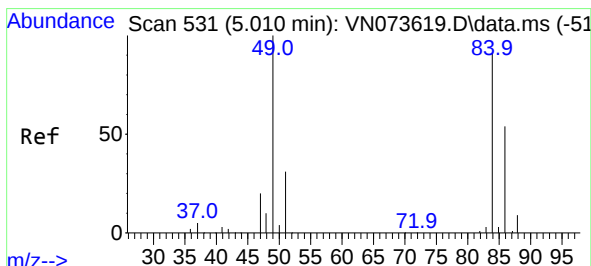
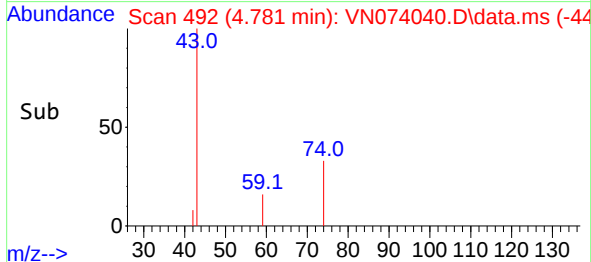
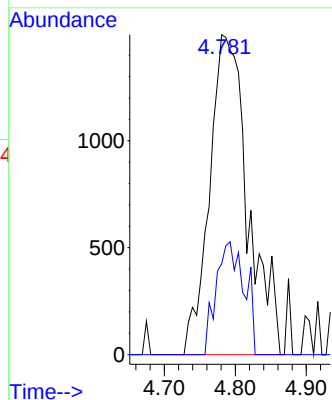
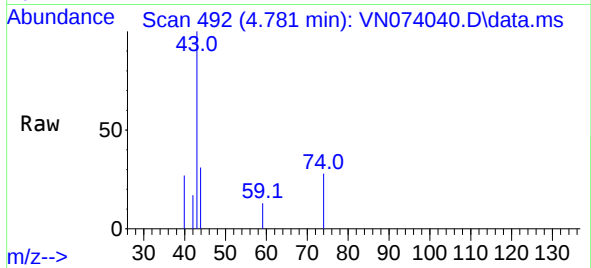




#18
Methyl Acetate
Concen: Below Cal
RT: 4.781 min Scan# 492
Delta R.T. -0.000 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

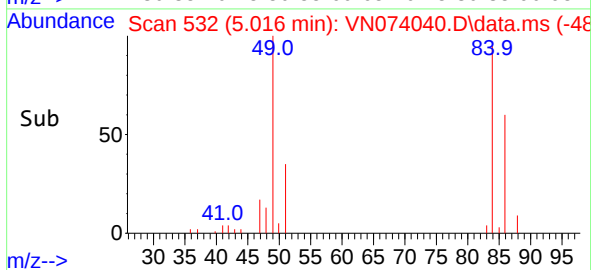
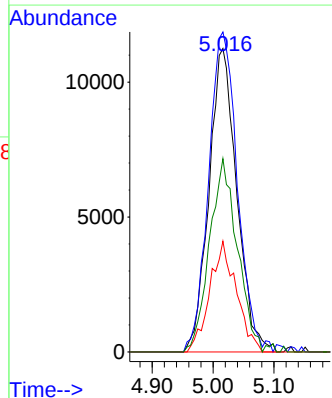
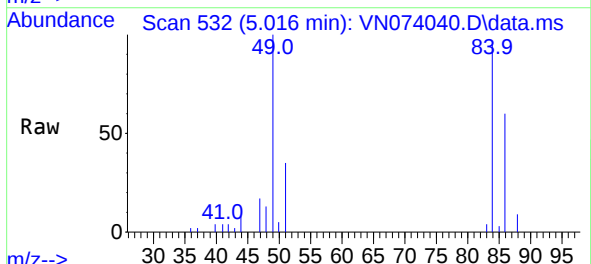
Instrument :
MSVOA_N
ClientSampleId :
SB-3

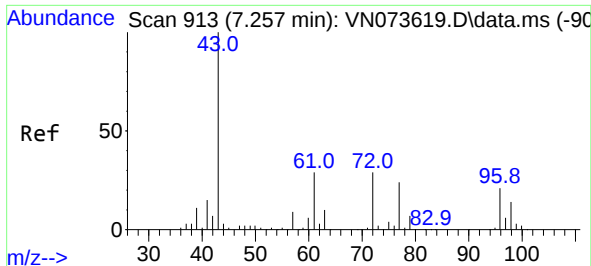
Tgt Ion: 43 Resp: 5635
Ion Ratio Lower Upper
43 100
74 25.6 21.6 32.4



#20
Methylene Chloride
Concen: 7.185 ug/l
RT: 5.016 min Scan# 532
Delta R.T. 0.006 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

Tgt Ion: 84 Resp: 35830
Ion Ratio Lower Upper
84 100
49 105.5 88.3 132.5
51 36.5 28.2 42.2
86 63.7 50.6 76.0

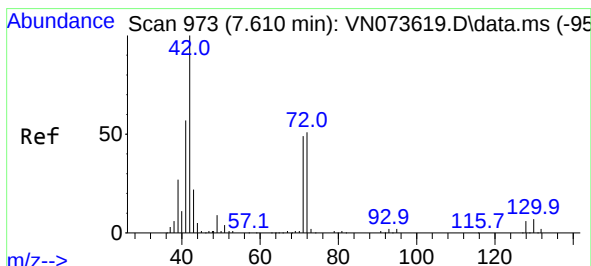
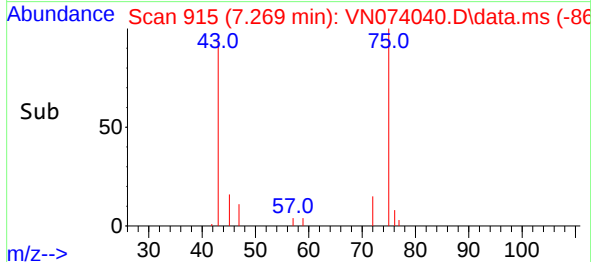
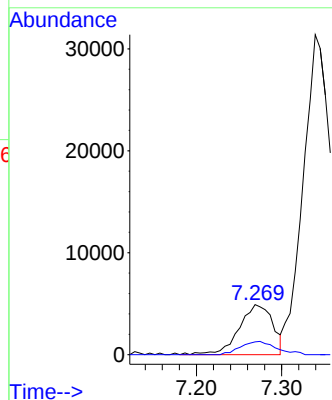
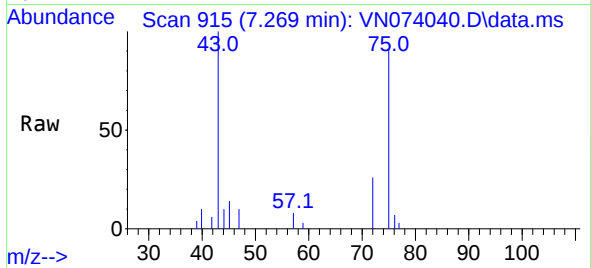




#25
2-Butanone
Concen: 3.605 ug/l
RT: 7.269 min Scan# 913
Delta R.T. 0.012 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

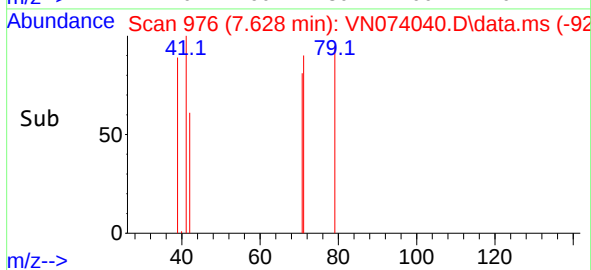
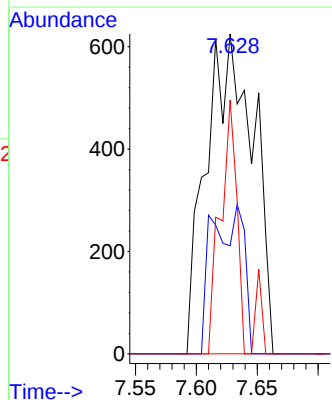
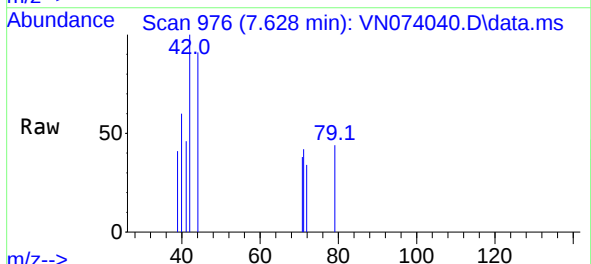
Instrument :
MSVOA_N
ClientSampleId :
SB-3

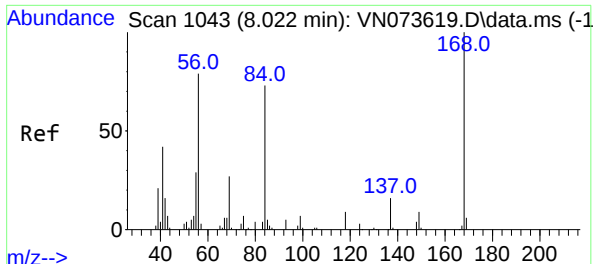
Tgt Ion: 43 Resp: 13511
Ion Ratio Lower Upper
43 100
72 25.6 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.702 ug/l
RT: 7.628 min Scan# 976
Delta R.T. 0.018 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

Tgt Ion: 42 Resp: 1687
Ion Ratio Lower Upper
42 100
72 19.9 39.7 59.5#
71 27.7 36.6 55.0#

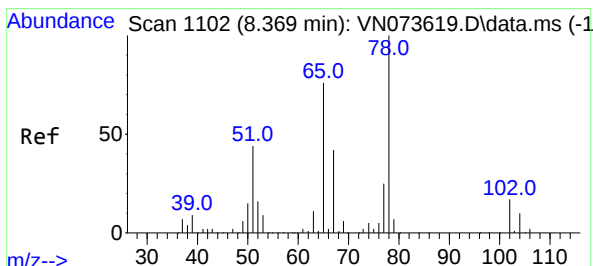
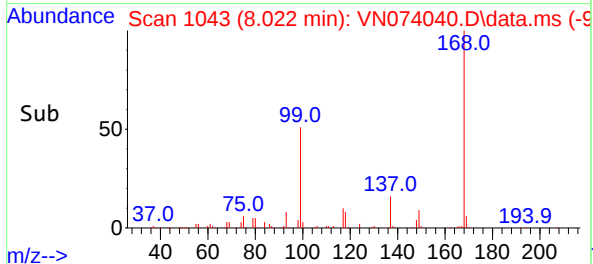
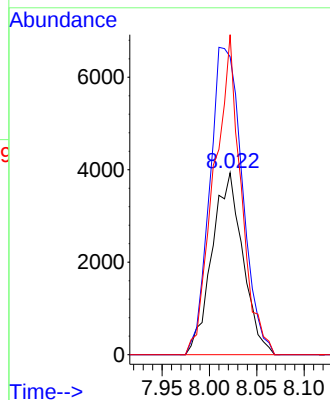
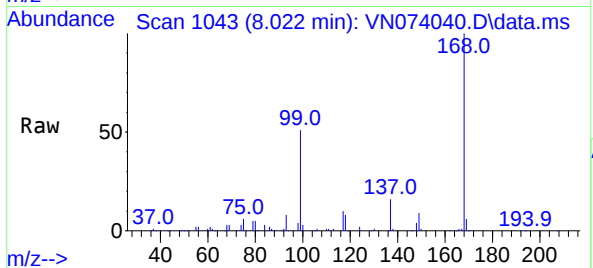




#31
Cyclohexane
Concen: 1.277 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

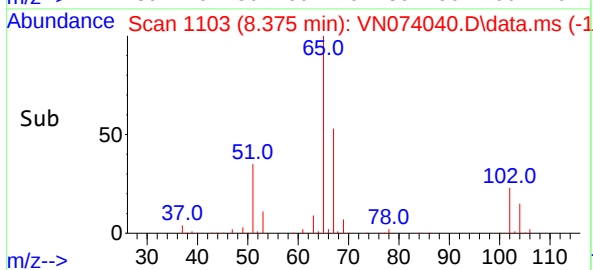
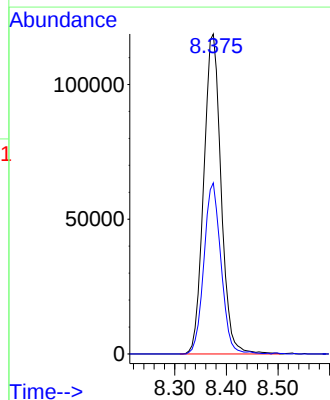
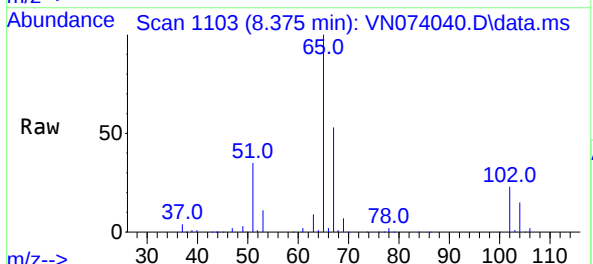
Instrument :
MSVOA_N
ClientSampleId :
SB-3

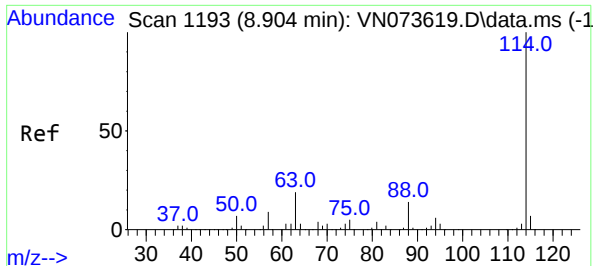
Tgt Ion: 56 Resp: 8915
Ion Ratio Lower Upper
56 100
69 163.8 27.8 41.8#
84 175.9 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 55.201 ug/l
RT: 8.375 min Scan# 1103
Delta R.T. 0.006 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

Tgt Ion: 65 Resp: 276527
Ion Ratio Lower Upper
65 100
67 52.7 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: VN074040.D

Acq: 19 Aug 2022 20:45

Instrument :

MSVOA_N

ClientSampleId :

SB-3

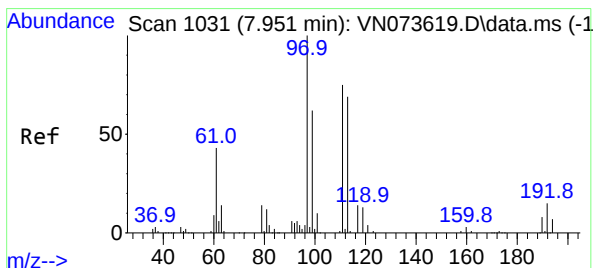
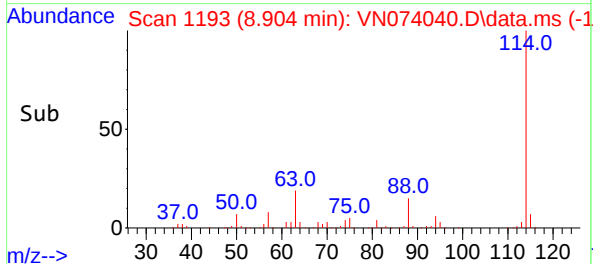
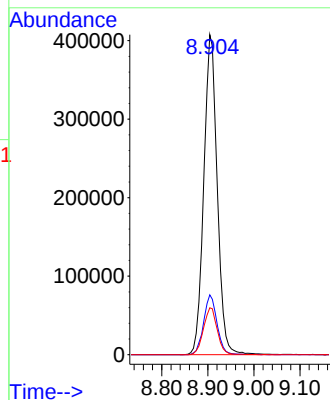
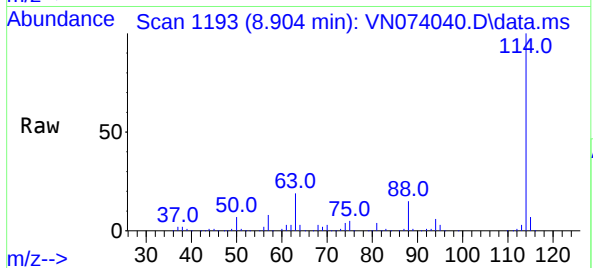
Tgt Ion:114 Resp: 830546

Ion Ratio Lower Upper

114 100

63 18.7 0.0 40.0

88 14.6 0.0 32.6



#35

Dibromofluoromethane

Concen: 53.199 ug/l

RT: 7.957 min Scan# 1032

Delta R.T. 0.006 min

Lab File: VN074040.D

Acq: 19 Aug 2022 20:45

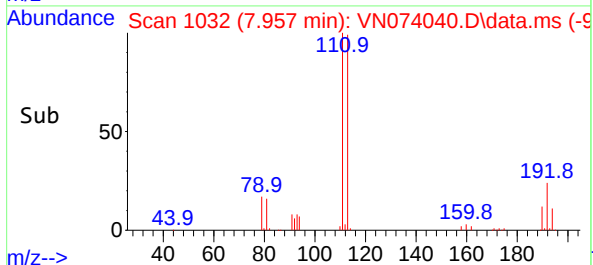
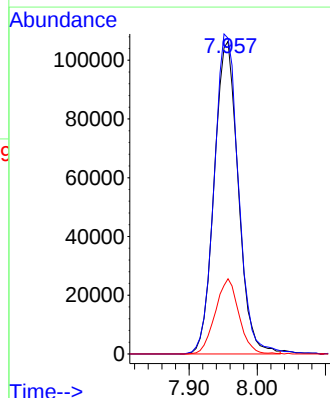
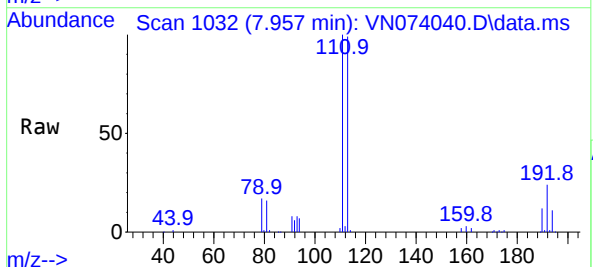
Tgt Ion:113 Resp: 261302

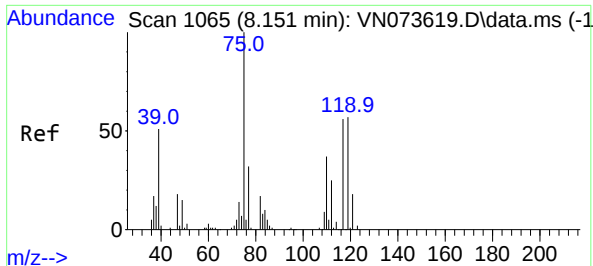
Ion Ratio Lower Upper

113 100

111 103.7 81.4 122.0

192 23.6 17.0 25.6

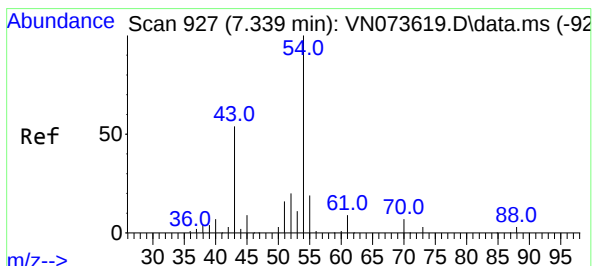
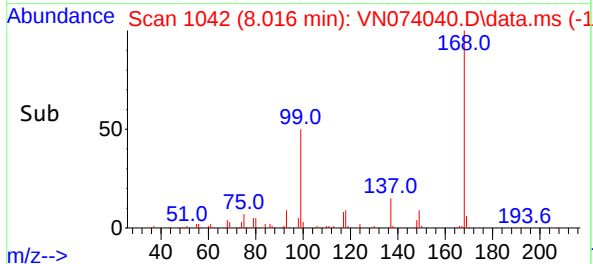
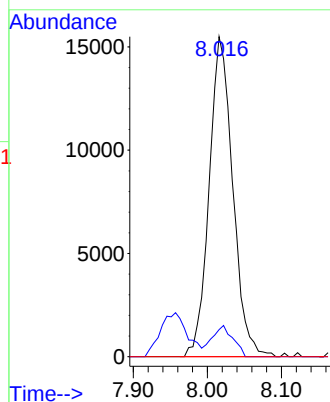
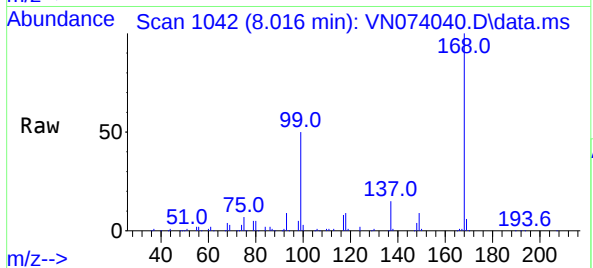




#36
1,1-Dichloropropene
Concen: 5.031 ug/l
RT: 8.016 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

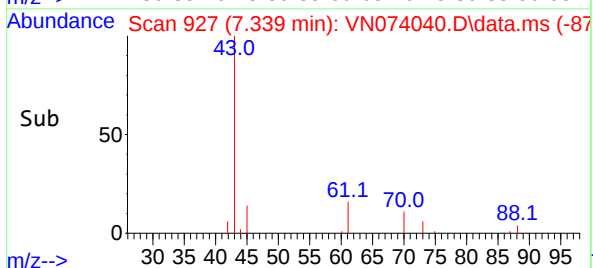
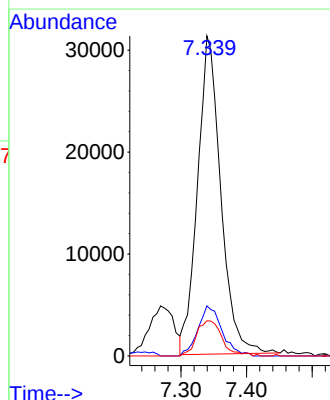
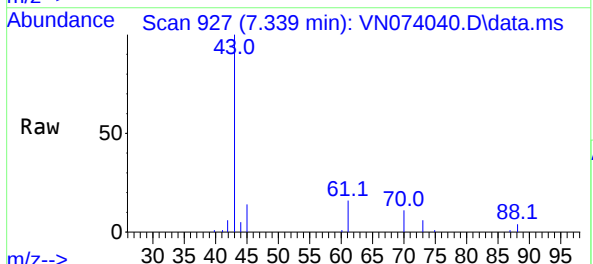
Instrument :
MSVOA_N
ClientSampleId :
SB-3

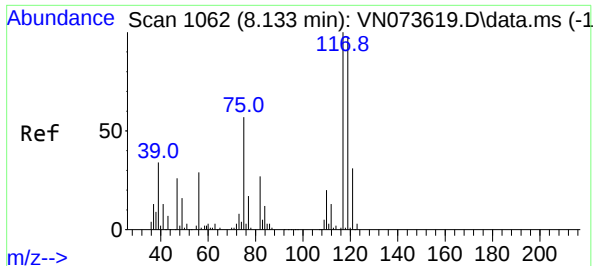
Tgt Ion: 75 Resp: 34320
Ion Ratio Lower Upper
75 100
110 8.7 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 9.334 ug/l
RT: 7.339 min Scan# 927
Delta R.T. 0.000 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

Tgt Ion: 43 Resp: 77143
Ion Ratio Lower Upper
43 100
61 16.3 11.8 17.6
70 12.2 9.3 13.9

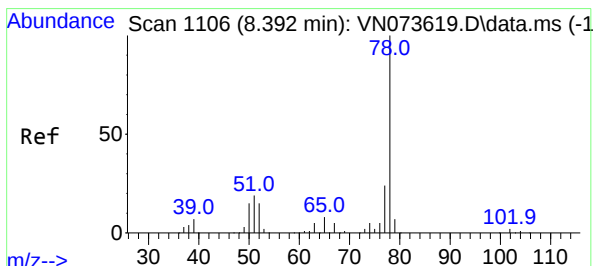
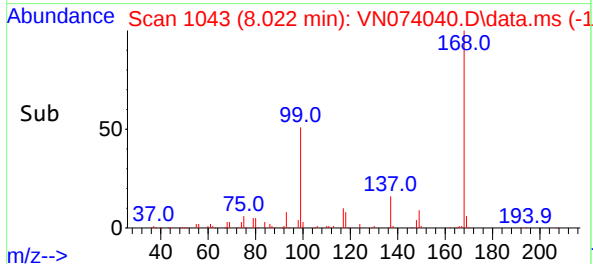
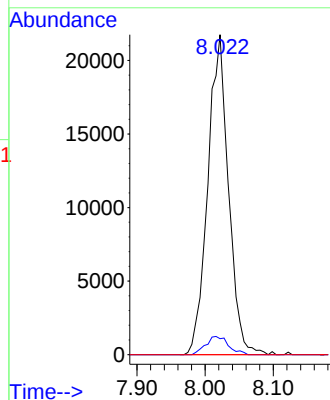
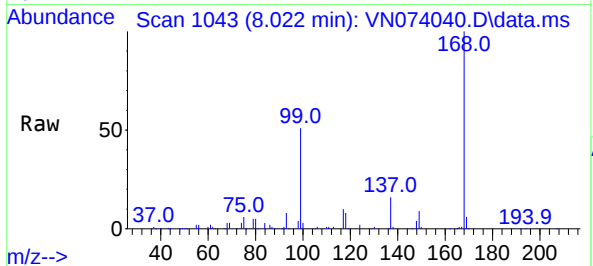




#38
Carbon Tetrachloride
Concen: 5.898 ug/l
RT: 8.022 min Scan# 1106
Delta R.T. -0.111 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

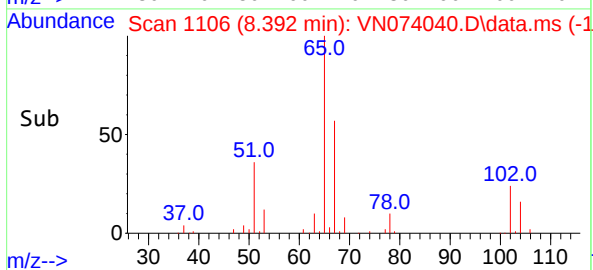
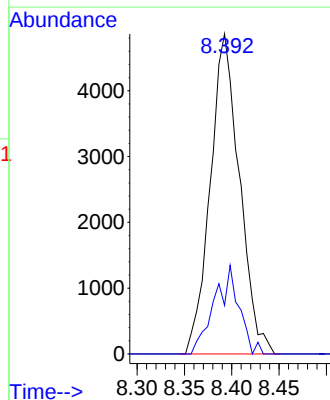
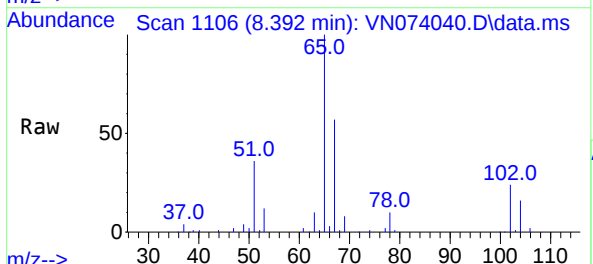
Instrument :
MSVOA_N
ClientSampleId :
SB-3

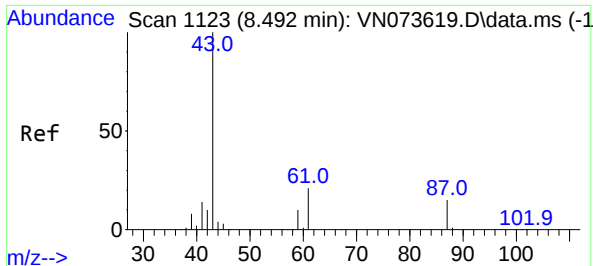
Tgt Ion:117 Resp: 45996
Ion Ratio Lower Upper
117 100
119 5.0 75.8 113.8#
121 0.0 24.6 37.0#



#40
Benzene
Concen: 0.485 ug/l
RT: 8.392 min Scan# 1106
Delta R.T. 0.000 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

Tgt Ion: 78 Resp: 10434
Ion Ratio Lower Upper
78 100
77 15.2 19.4 29.0#

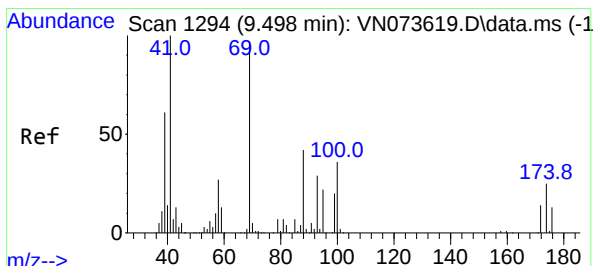
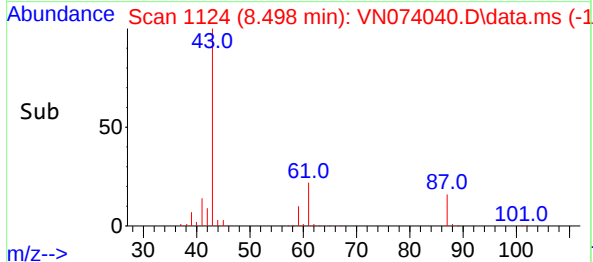
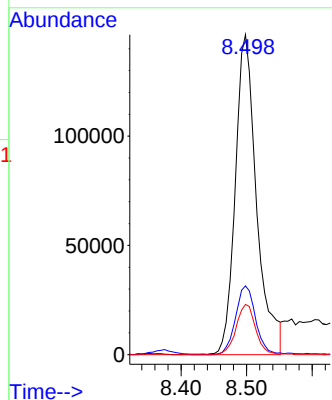
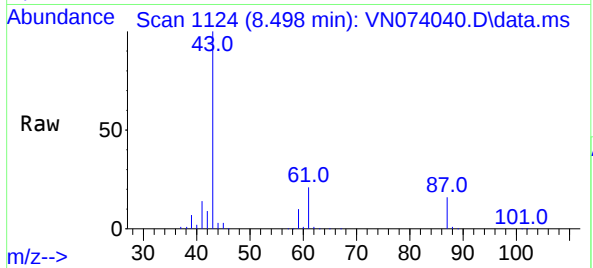




#43
Isopropyl Acetate
Concen: 28.222 ug/l
RT: 8.498 min Scan# 1123
Delta R.T. 0.006 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

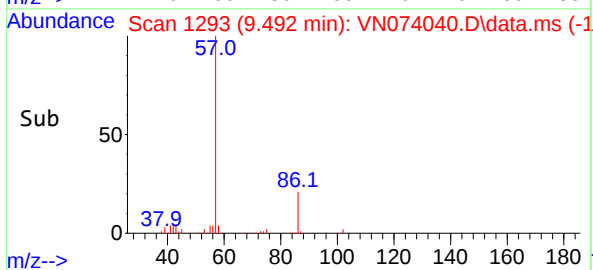
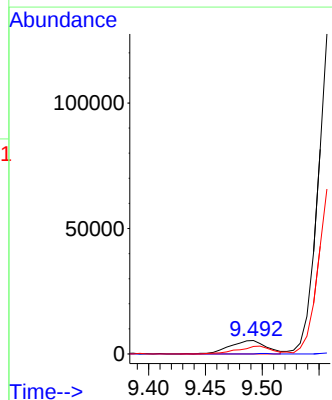
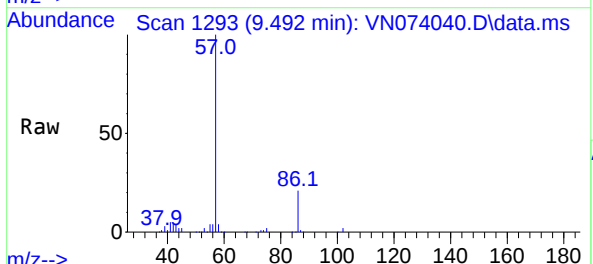
Instrument :
MSVOA_N
ClientSampleId :
SB-3

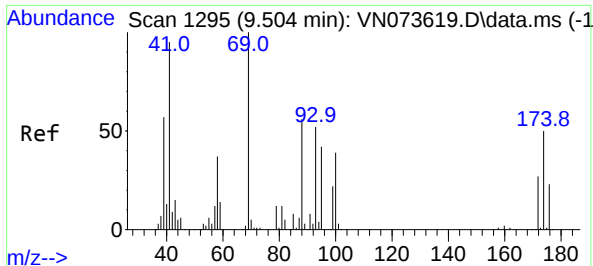
Tgt Ion: 43 Resp: 332290
Ion Ratio Lower Upper
43 100
61 20.5 21.9 32.9#
87 14.4 12.0 18.0



#48
Methyl methacrylate
Concen: 2.378 ug/l
RT: 9.492 min Scan# 1293
Delta R.T. -0.006 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

Tgt Ion: 41 Resp: 11980
Ion Ratio Lower Upper
41 100
69 1.1 74.7 112.1#
39 52.1 45.6 68.4

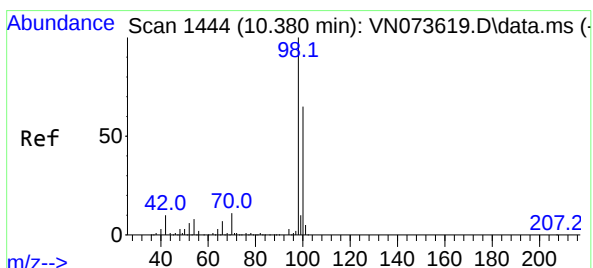
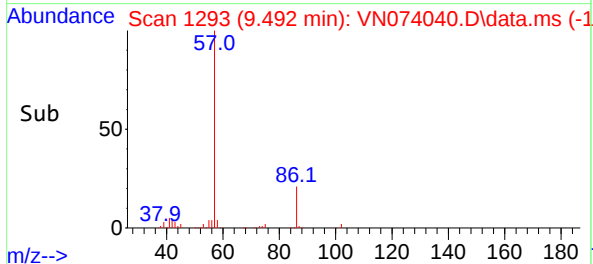
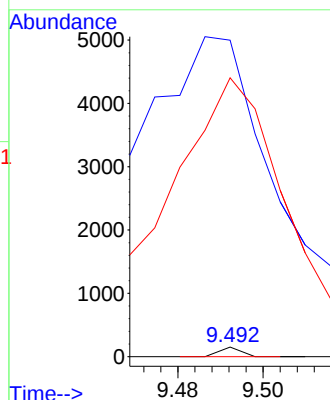
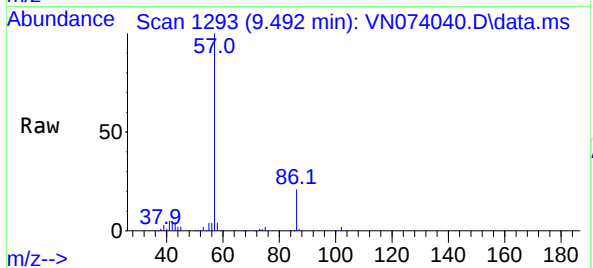




#49
1,4-Dioxane
Concen: 0.360 ug/l
RT: 9.492 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

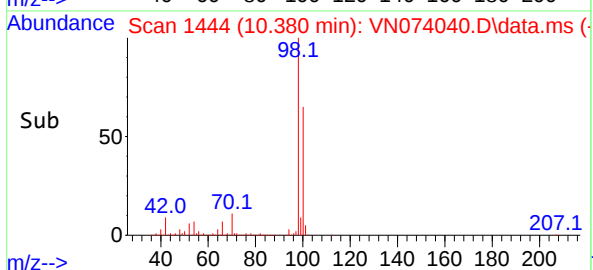
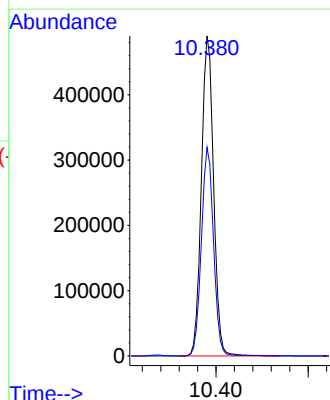
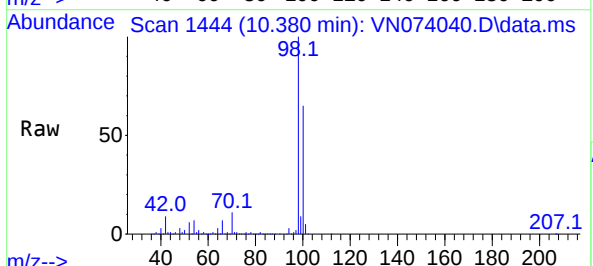
Instrument :
MSVOA_N
ClientSampleId :
SB-3

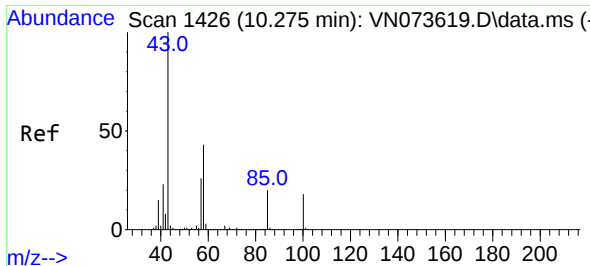
Tgt Ion: 88 Resp: 54
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 17368.5 54.2 81.4#



#50
Toluene-d8
Concen: 47.514 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

Tgt Ion: 98 Resp: 903856
Ion Ratio Lower Upper
98 100
100 65.1 52.6 78.8

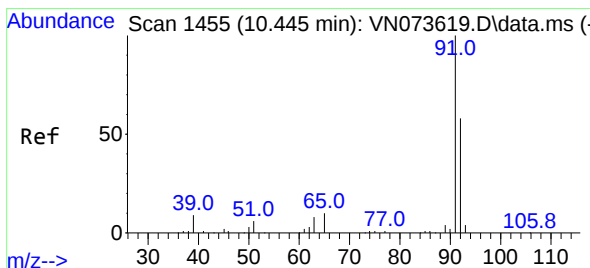
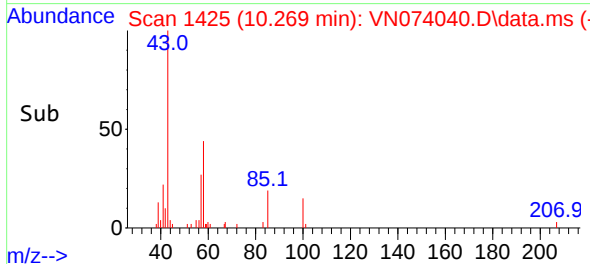
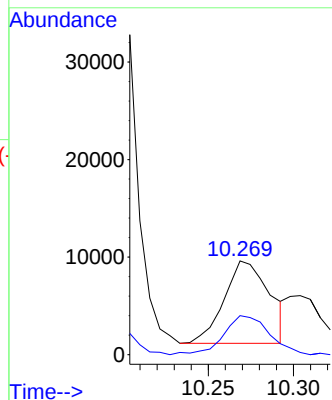
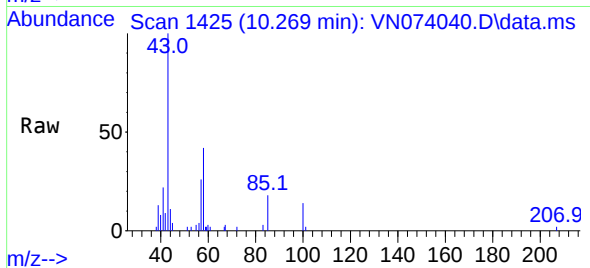




#51
4-Methyl-2-Pentanone
Concen: 1.970 ug/l
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

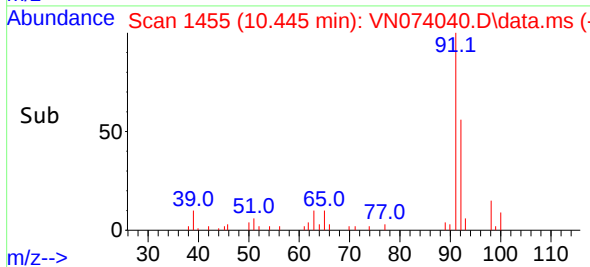
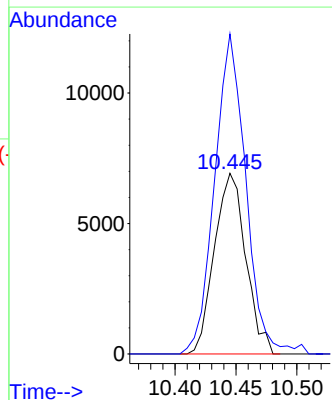
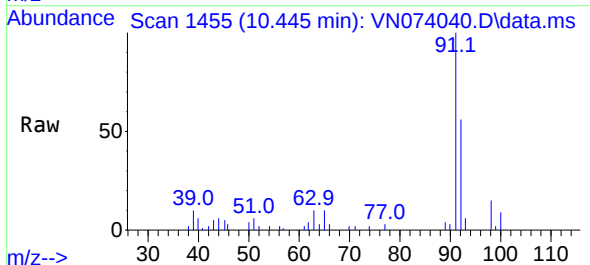
Instrument :
MSVOA_N
ClientSampleId :
SB-3

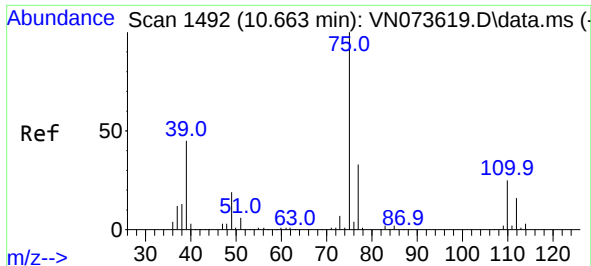
Tgt Ion: 43 Resp: 15679
Ion Ratio Lower Upper
43 100
58 47.8 34.1 51.1



#52
Toluene
Concen: 0.841 ug/l
RT: 10.445 min Scan# 1455
Delta R.T. 0.000 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

Tgt Ion: 92 Resp: 12417
Ion Ratio Lower Upper
92 100
91 176.4 138.6 207.8

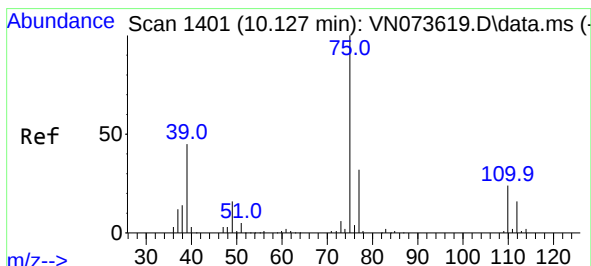
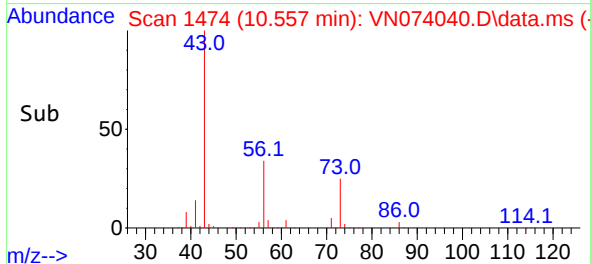
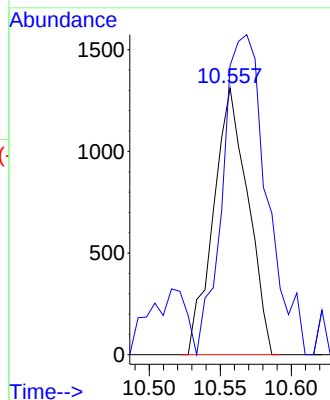
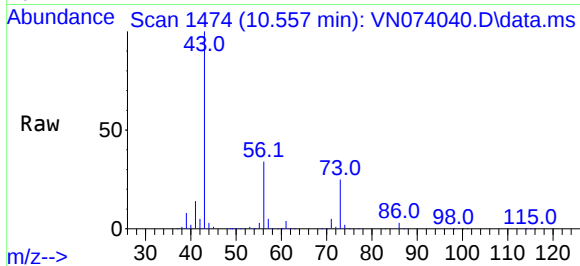




#53
t-1,3-Dichloropropene
Concen: 0.282 ug/l
RT: 10.557 min Scan# 1411
Delta R.T. -0.106 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

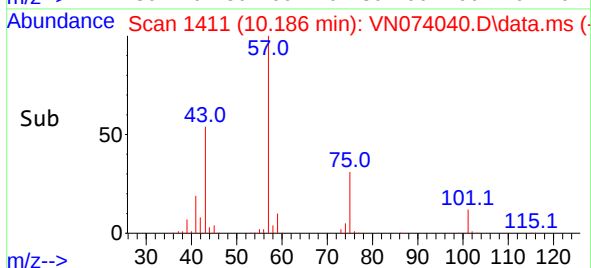
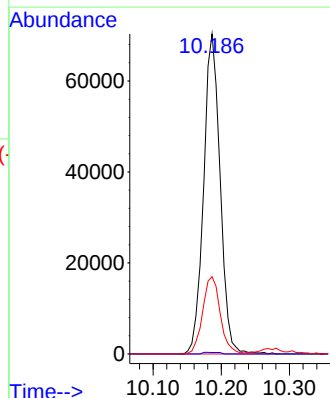
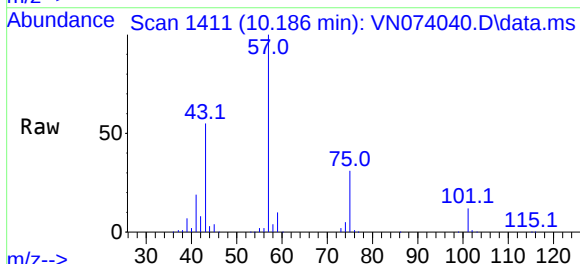
Instrument :
MSVOA_N
ClientSampleId :
SB-3

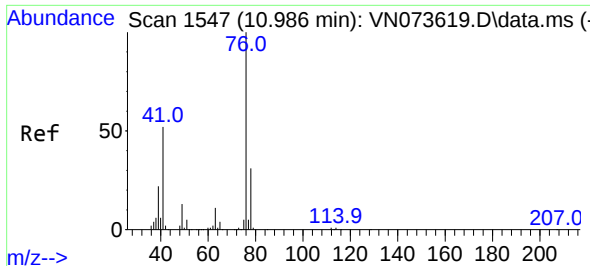
Tgt Ion: 75 Resp: 2222
Ion Ratio Lower Upper
75 100
77 84.7 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 13.759 ug/l
RT: 10.186 min Scan# 1411
Delta R.T. 0.059 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

Tgt Ion: 75 Resp: 118475
Ion Ratio Lower Upper
75 100
77 0.4 25.2 37.8#
39 24.1 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 1.793 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.047 min

Lab File: VN074040.D

Acq: 19 Aug 2022 20:45

Instrument :

MSVOA_N

ClientSampleId :

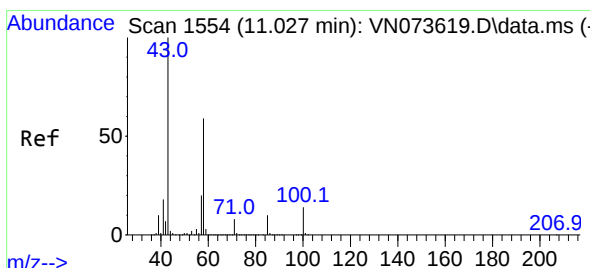
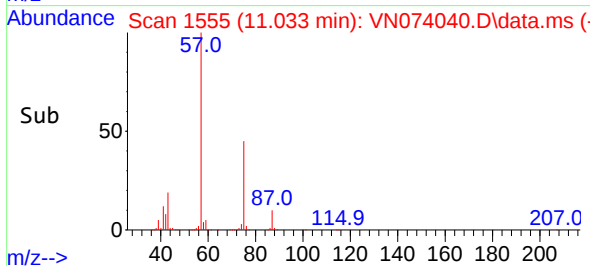
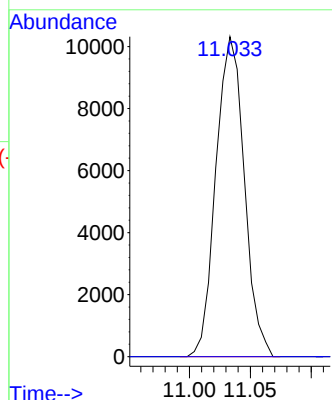
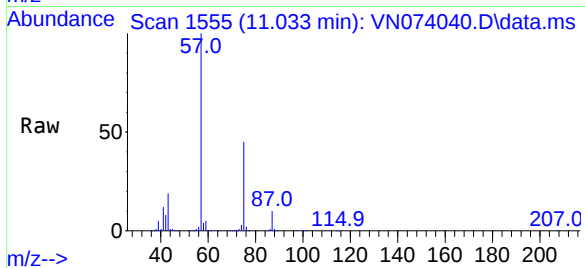
SB-3

Tgt Ion: 76 Resp: 16740

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 32.625 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN074040.D

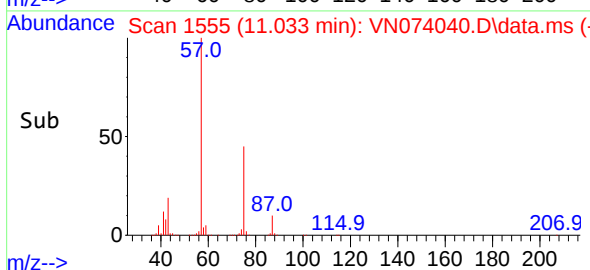
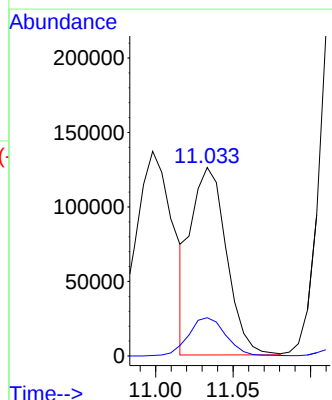
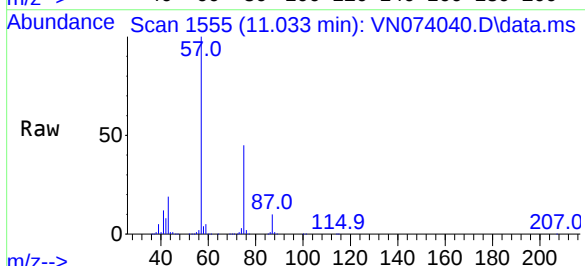
Acq: 19 Aug 2022 20:45

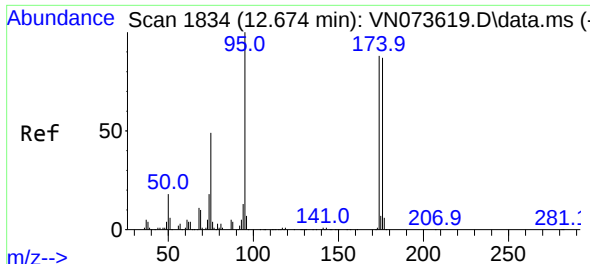
Tgt Ion: 43 Resp: 199880

Ion Ratio Lower Upper

43 100

58 21.8 29.7 89.1#

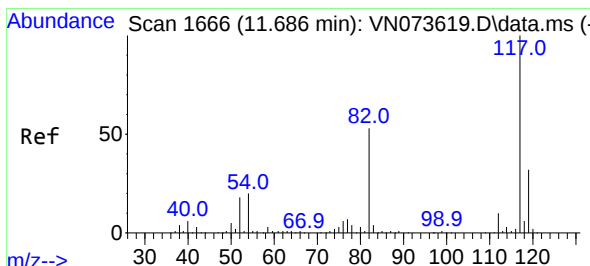
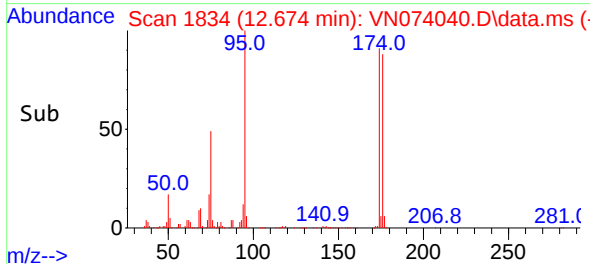
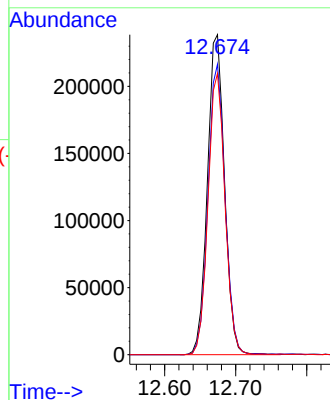
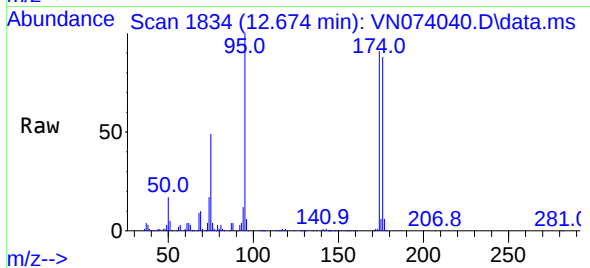




#62
4-Bromofluorobenzene
Concen: 63.300 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.000 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

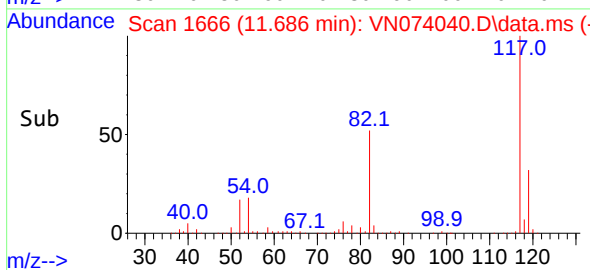
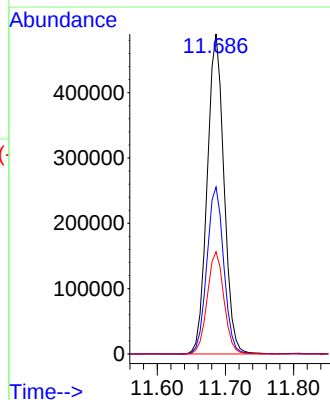
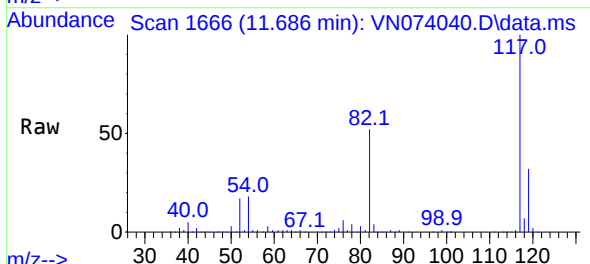
Instrument :
MSVOA_N
ClientSampleId :
SB-3

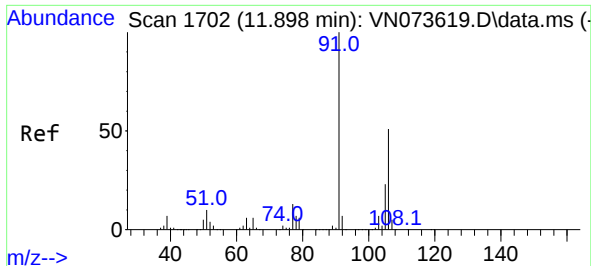
Tgt Ion: 95 Resp: 399635
Ion Ratio Lower Upper
95 100
174 90.6 0.0 167.6
176 87.2 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

Tgt Ion: 117 Resp: 838408
Ion Ratio Lower Upper
117 100
82 52.2 44.2 66.2
119 31.9 25.4 38.0

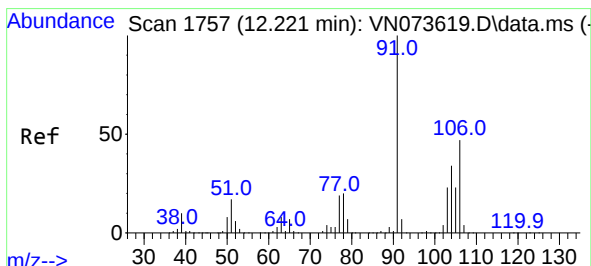
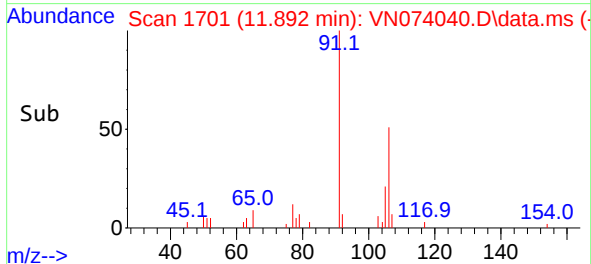
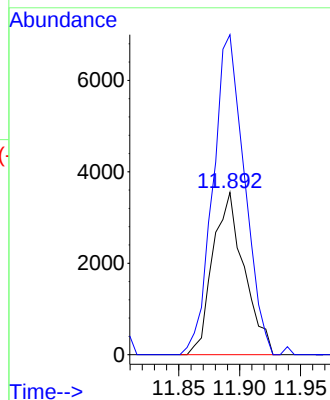
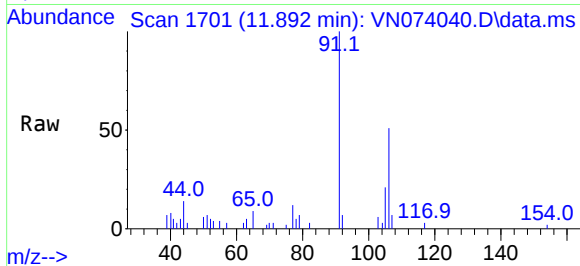




#68
m/p-Xylenes
Concen: 0.528 ug/l
RT: 11.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

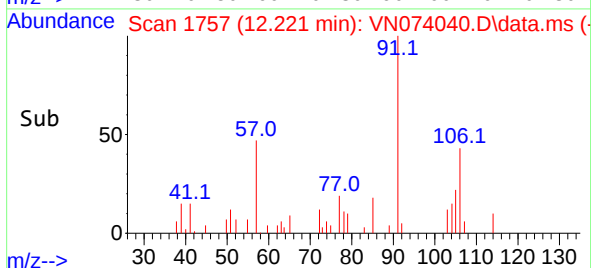
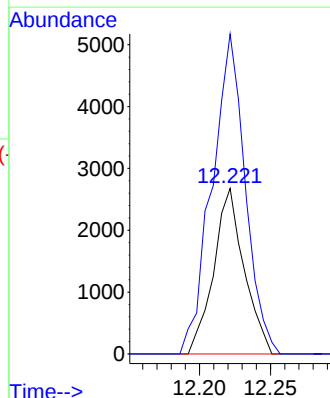
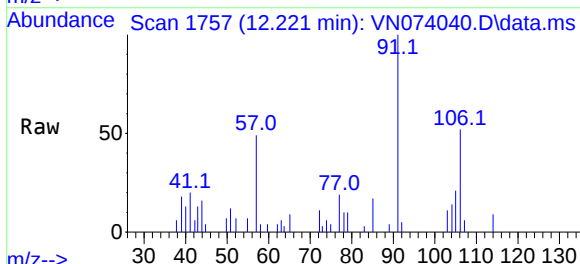
Instrument :
MSVOA_N
ClientSampleId :
SB-3

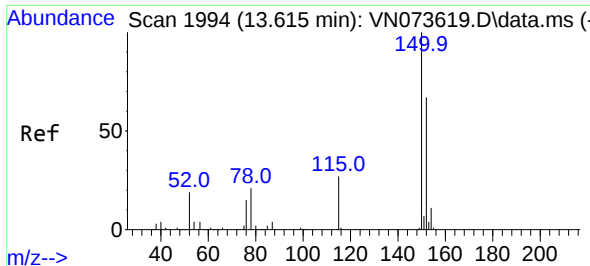
Tgt Ion:106 Resp: 6362
Ion Ratio Lower Upper
106 100
91 198.6 158.9 238.3



#69
o-Xylene
Concen: 0.330 ug/l
RT: 12.221 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

Tgt Ion:106 Resp: 3988
Ion Ratio Lower Upper
106 100
91 211.2 106.0 318.0

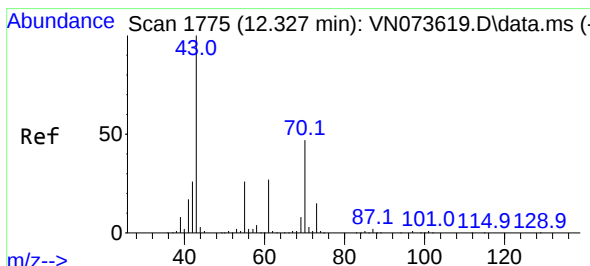
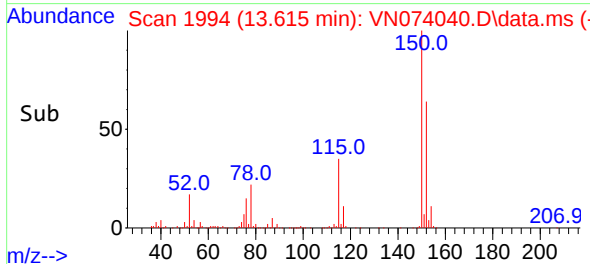
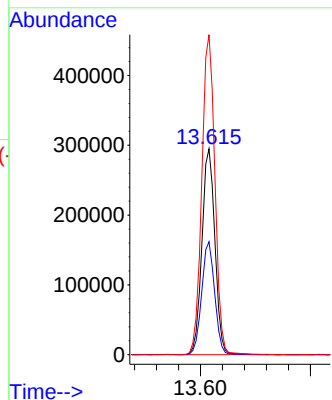
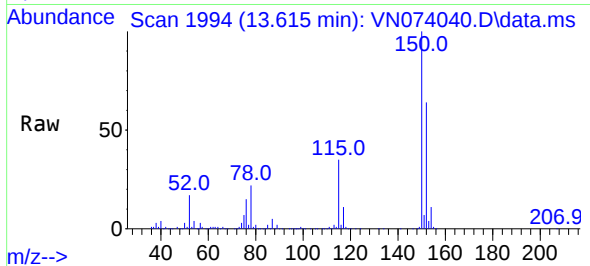




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

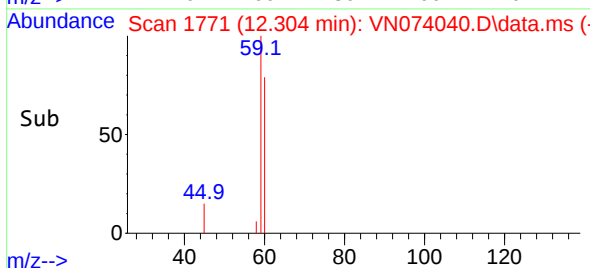
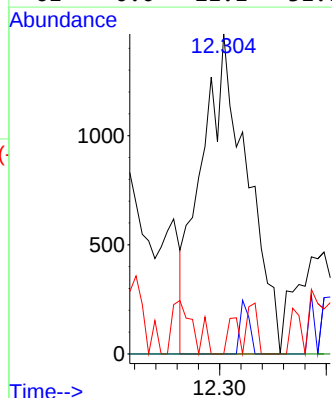
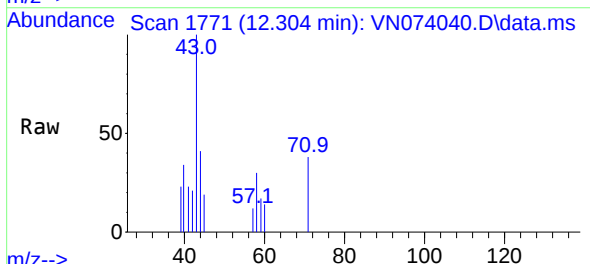
Instrument :
MSVOA_N
ClientSampleId :
SB-3

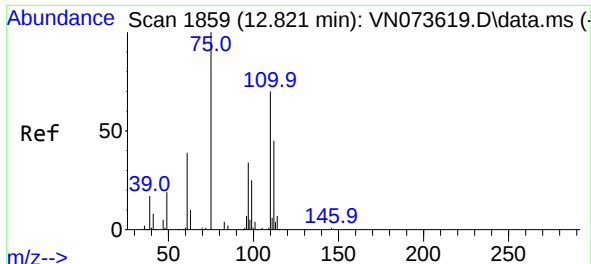
Tgt Ion:152 Resp: 484939
Ion Ratio Lower Upper
152 100
115 55.0 28.9 86.7
150 156.7 0.0 356.2



#74
N-ethyl acetate
Concen: 0.328 ug/l
RT: 12.304 min Scan# 1771
Delta R.T. -0.023 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

Tgt Ion: 43 Resp: 4384
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.4#
55 0.0 21.1 31.7#
61 0.0 21.1 31.7#

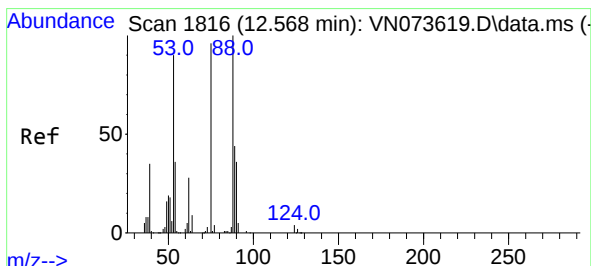
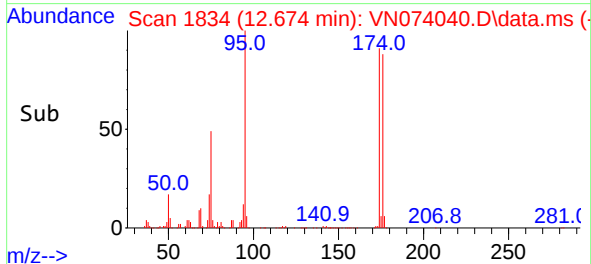
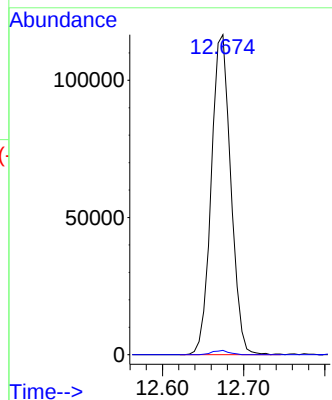
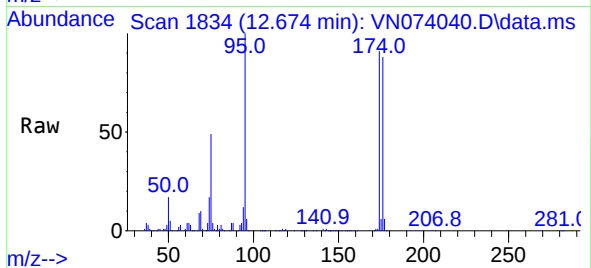




#76
 1,2,3-Trichloropropane
 Concen: 19.339 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. -0.147 min
 Lab File: VN074040.D
 Acq: 19 Aug 2022 20:45

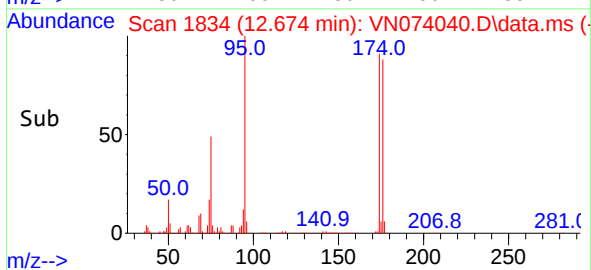
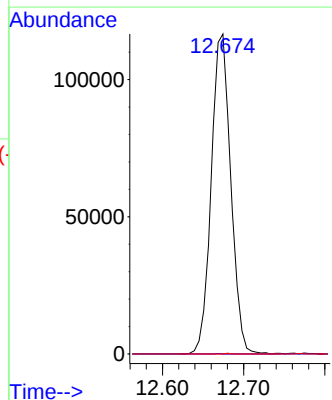
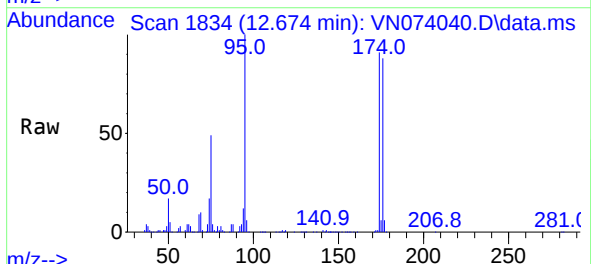
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-3

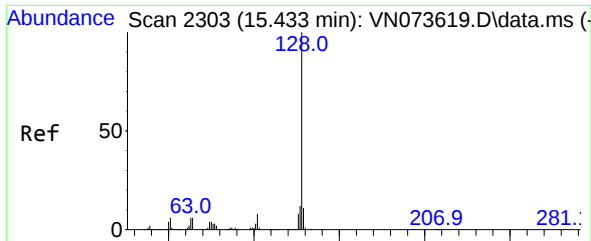
Tgt Ion: 75 Resp: 194930
 Ion Ratio Lower Upper
 75 100
 77 1.1 98.5 295.5#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 55.005 ug/l
 RT: 12.674 min Scan# 1834
 Delta R.T. 0.106 min
 Lab File: VN074040.D
 Acq: 19 Aug 2022 20:45

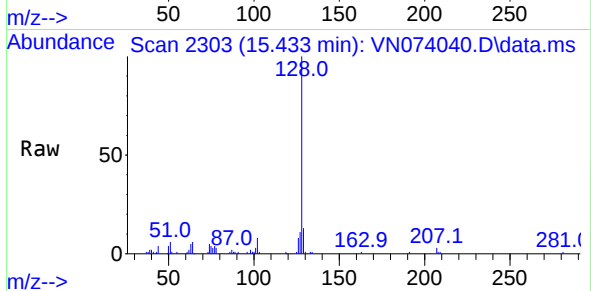
Tgt Ion: 75 Resp: 194930
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 1.747 ug/l
RT: 15.433 min Scan# 21
Delta R.T. 0.000 min
Lab File: VN074040.D
Acq: 19 Aug 2022 20:45

Instrument :
MSVOA_N
ClientSampleId :
SB-3



Tgt Ion:	128	Resp:	59332
Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.3	15.5
129	11.8	8.6	13.0

