

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081522\
 Data File : VN073924.D
 Acq On : 16 Aug 2022 03:44
 Operator : JC\MD
 Sample : N4188-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 S7

Quant Time: Aug 16 05:15:37 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

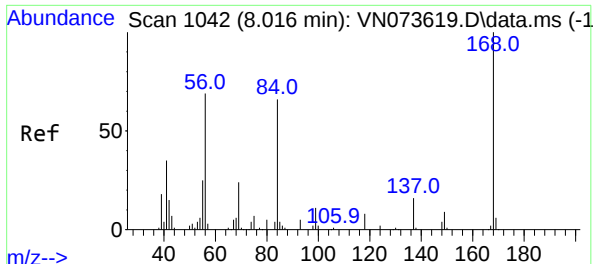
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.022	168	623444	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.904	114	916315	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.686	117	866267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.615	152	432787	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.369	65	290028	47.762	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	95.520%
35) Dibromofluoromethane	7.957	113	284757	52.548	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.100%
50) Toluene-d8	10.380	98	965035	45.982	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	91.960%
62) 4-Bromofluorobenzene	12.668	95	383231	55.020	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	110.040%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.269	59	1299	0.956	ug/l #	72
16) Acetone	4.228	43	93232	32.543	ug/l	94
18) Methyl Acetate	4.787	43	10517	Below Cal		100
20) Methylene Chloride	5.010	84	42120	6.967	ug/l	91
25) 2-Butanone	7.257	43	17435	3.838	ug/l	93
26) 2,2-Dichloropropane	7.233	77	1839	0.204	ug/l #	53
29) Tetrahydrofuran	7.622	42	3451	1.184	ug/l	97
31) Cyclohexane	8.022	56	10253	1.211	ug/l #	4
36) 1,1-Dichloropropene	8.016	75	38480	5.112	ug/l #	49
37) Ethyl Acetate	7.339	43	64338	7.056	ug/l	98
38) Carbon Tetrachloride	8.016	117	53385	6.205	ug/l #	17
41) Methacrylonitrile	7.610	41	1062	0.258	ug/l #	27
42) 1,2-Dichloroethane	8.486	62	2184	0.267	ug/l #	74
43) Isopropyl Acetate	8.498	43	298230	22.958	ug/l #	91
45) 1,2-Dichloropropane	9.563	63	3058	0.537	ug/l #	44
48) Methyl methacrylate	9.492	41	8231	1.481	ug/l #	39
49) 1,4-Dioxane	9.504	88	62	0.375	ug/l #	1
51) 4-Methyl-2-Pentanone	10.274	43	26936	3.067	ug/l #	77
54) cis-1,3-Dichloropropene	10.186	75	113910	11.991	ug/l #	61
57) 1,3-Dichloropropane	11.033	76	12128	1.177	ug/l #	42
59) 2-Hexanone	11.033	43	116424	17.224	ug/l #	54
74) N-amyl acetate	12.286	43	2517	0.211	ug/l #	39
76) 1,2,3-Trichloropropane	12.674	75	189672	21.085	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.674	75	189672	59.971	ug/l #	10

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

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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

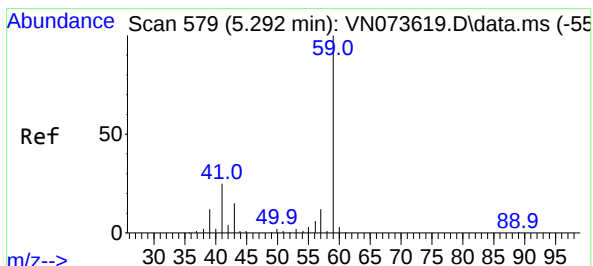
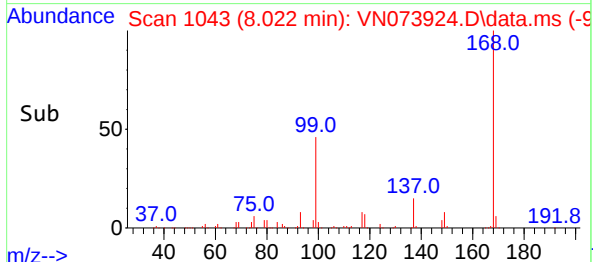
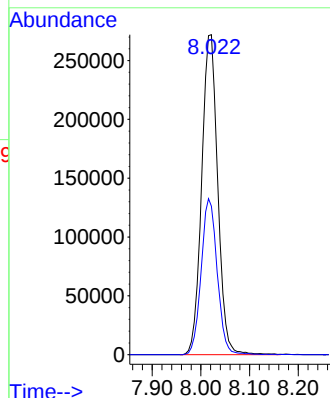
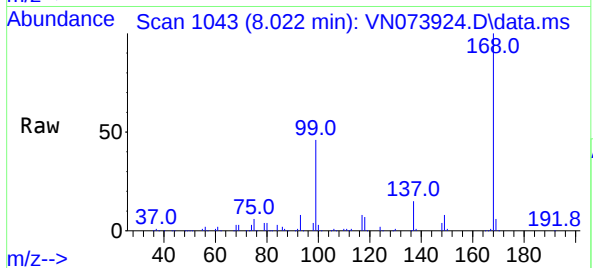




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.022 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

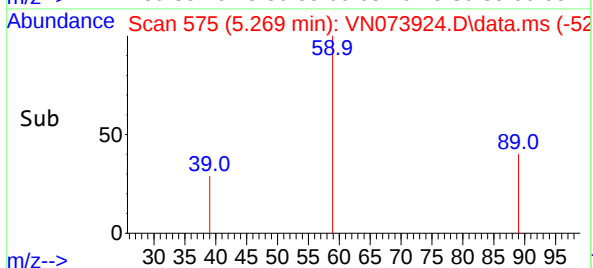
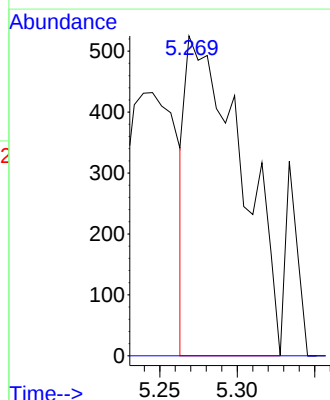
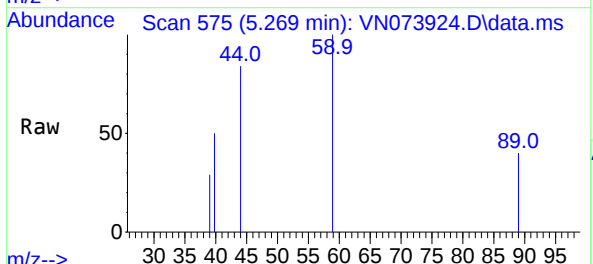
Instrument :
MSVOA_N
ClientSampleId :
S7

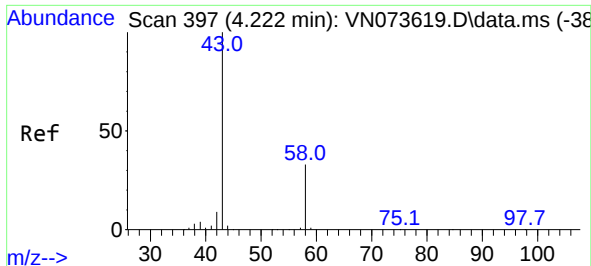
Tgt Ion:168 Resp: 623444
Ion Ratio Lower Upper
168 100
99 46.4 42.3 63.5



#11
Tert butyl alcohol
Concen: 0.956 ug/l
RT: 5.269 min Scan# 575
Delta R.T. -0.023 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

Tgt Ion: 59 Resp: 1299
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

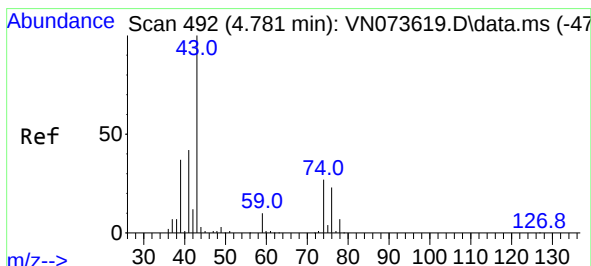
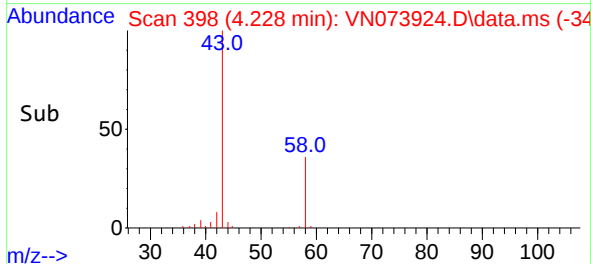
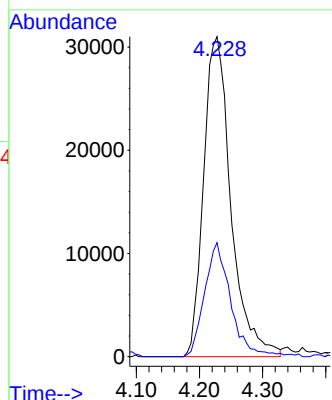
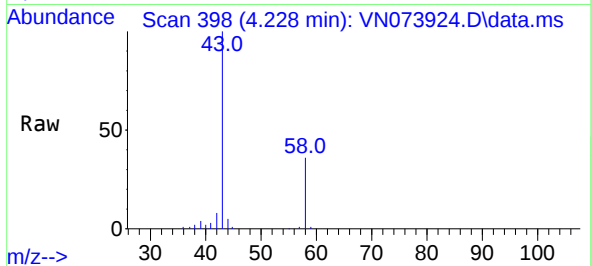




#16
Acetone
Concen: 32.543 ug/l
RT: 4.228 min Scan# 397
Delta R.T. 0.006 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

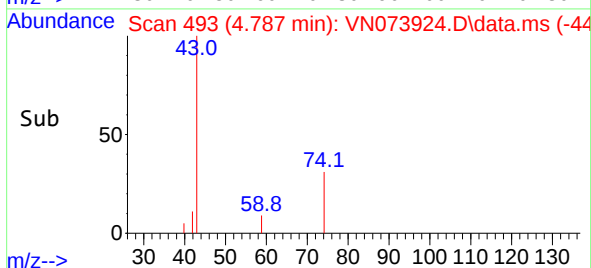
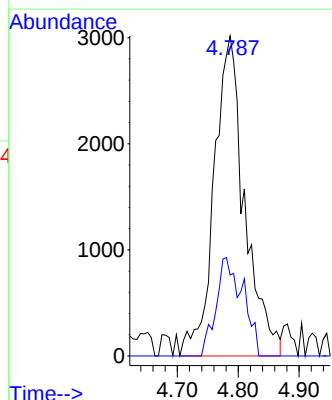
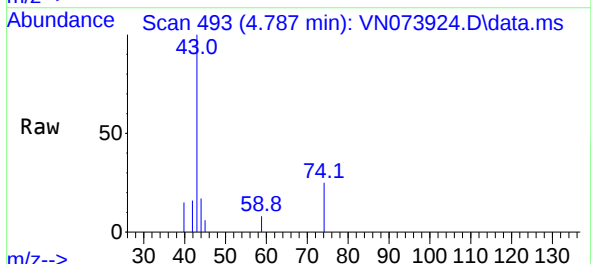
Instrument :
MSVOA_N
ClientSampleId :
S7

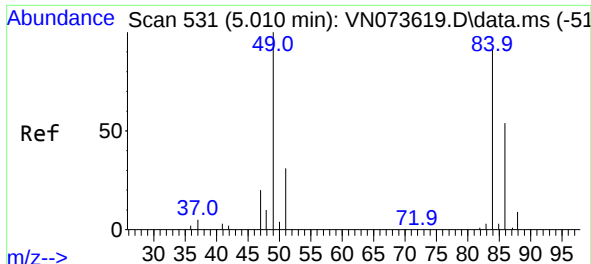
Tgt Ion: 43 Resp: 93232
Ion Ratio Lower Upper
43 100
58 35.7 26.0 39.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.787 min Scan# 493
Delta R.T. 0.006 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

Tgt Ion: 43 Resp: 10517
Ion Ratio Lower Upper
43 100
74 26.9 21.6 32.4



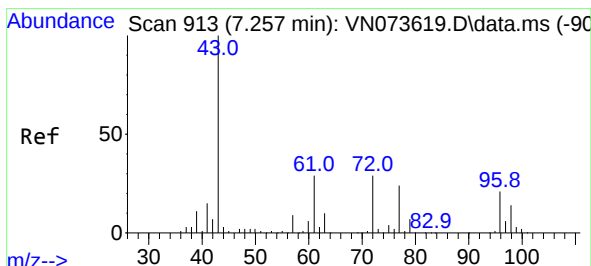
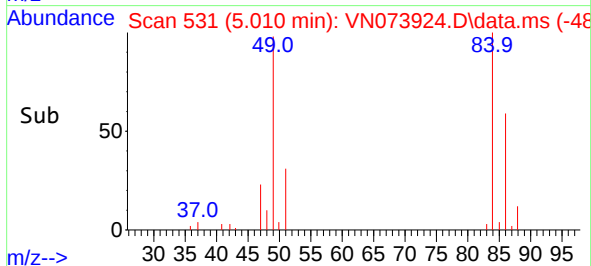
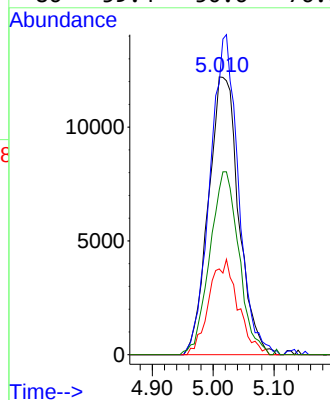
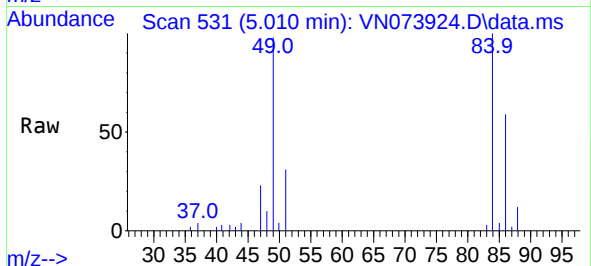


#20
Methylene Chloride
Concen: 6.967 ug/l
RT: 5.010 min Scan# 51
Delta R.T. 0.000 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

Instrument :
MSVOA_N
ClientSampleId :
S7

Tgt Ion: 84 Resp: 42120

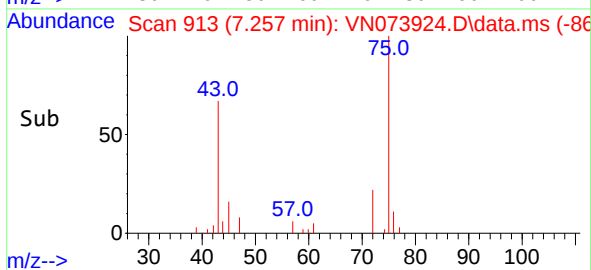
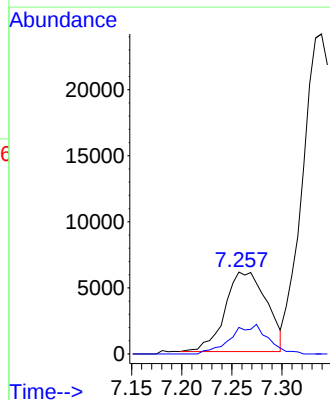
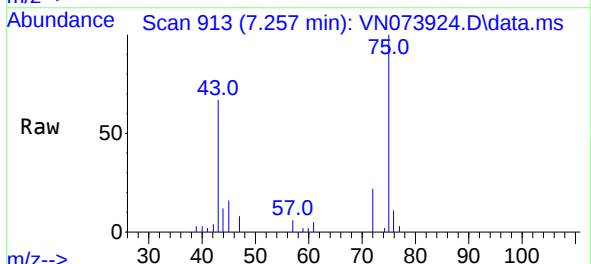
Ion	Ratio	Lower	Upper
84	100		
49	97.8	88.3	132.5
51	30.9	28.2	42.2
86	59.4	50.6	76.0

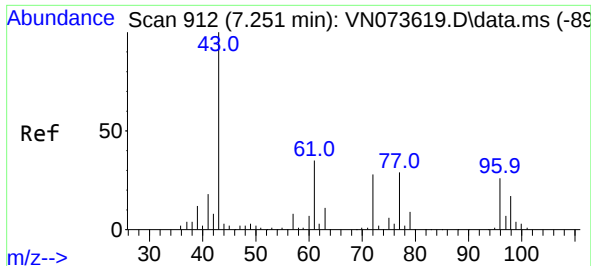


#25
2-Butanone
Concen: 3.838 ug/l
RT: 7.257 min Scan# 913
Delta R.T. -0.000 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

Tgt Ion: 43 Resp: 17435

Ion	Ratio	Lower	Upper
43	100		
72	33.5	23.7	35.5





#26

2,2-Dichloropropane

Concen: 0.204 ug/l

RT: 7.233 min Scan# 909

Delta R.T. -0.018 min

Lab File: VN073924.D

Acq: 16 Aug 2022 03:44

Instrument :

MSVOA_N

ClientSampleId :

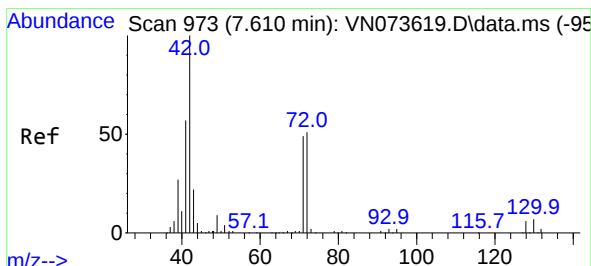
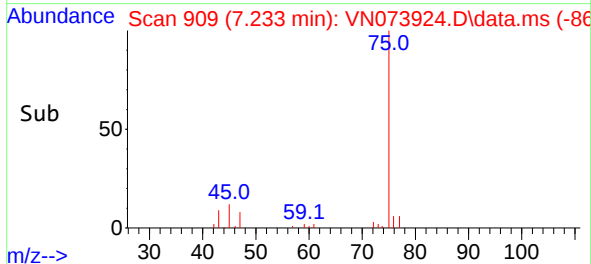
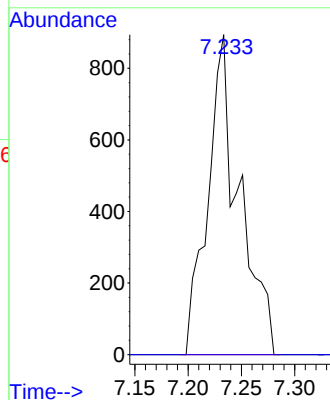
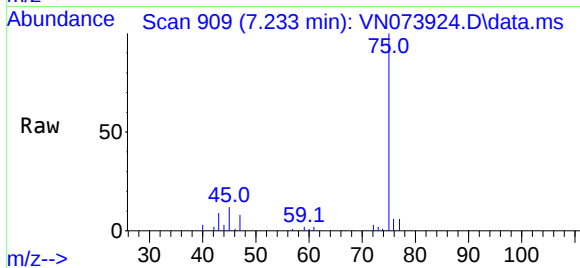
S7

Tgt Ion: 77 Resp: 1839

Ion Ratio Lower Upper

77 100

97 0.0 11.4 34.2#



#29

Tetrahydrofuran

Concen: 1.184 ug/l

RT: 7.622 min Scan# 975

Delta R.T. 0.012 min

Lab File: VN073924.D

Acq: 16 Aug 2022 03:44

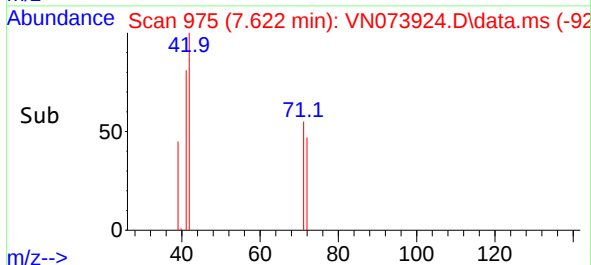
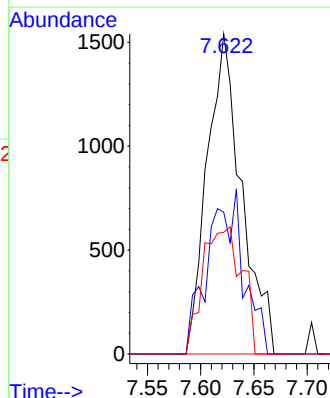
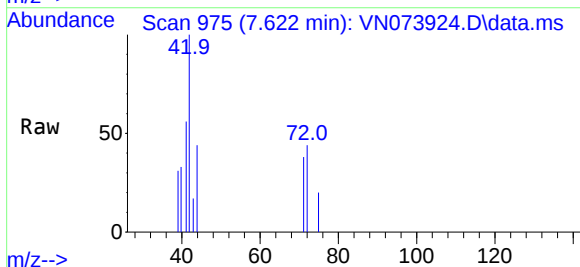
Tgt Ion: 42 Resp: 3451

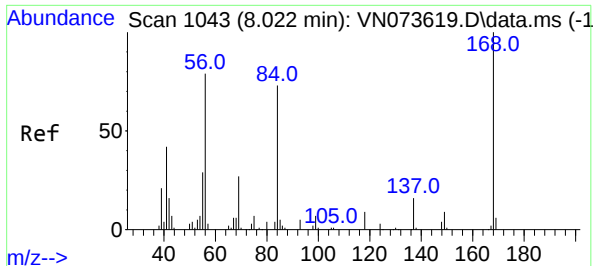
Ion Ratio Lower Upper

42 100

72 53.3 39.7 59.5

71 45.1 36.6 55.0

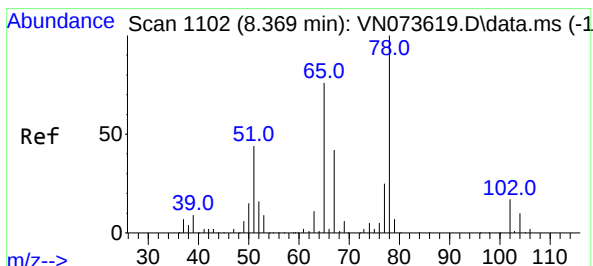
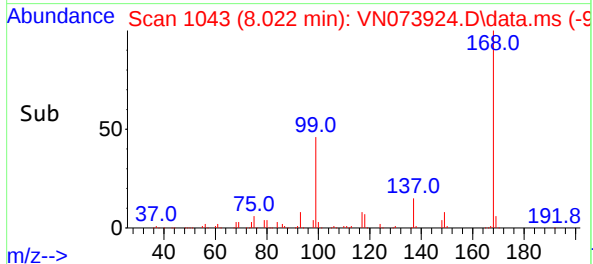
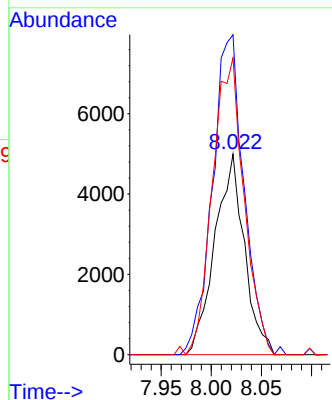
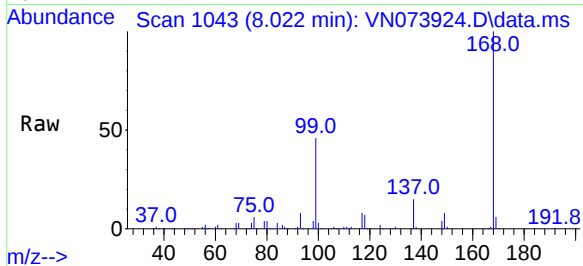




#31
Cyclohexane
Concen: 1.211 ug/l
RT: 8.022 min Scan# 1043
Delta R.T. -0.000 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

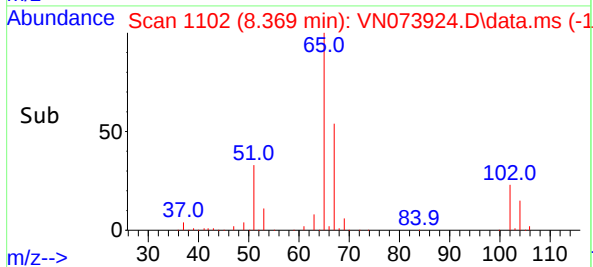
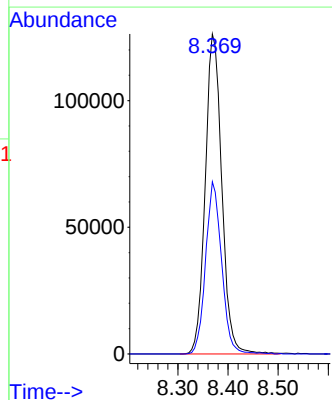
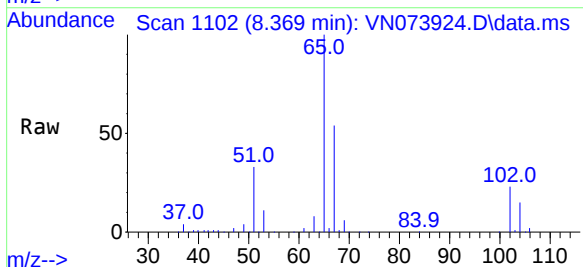
Instrument :
MSVOA_N
ClientSampleId :
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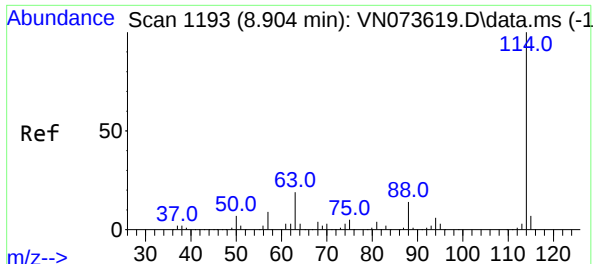
Tgt Ion: 56 Resp: 10253
Ion Ratio Lower Upper
56 100
69 159.6 27.8 41.8#
84 148.0 76.9 115.3#



#33
1,2-Dichloroethane-d4
Concen: 47.762 ug/l
RT: 8.369 min Scan# 1102
Delta R.T. -0.000 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

Tgt Ion: 65 Resp: 290028
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8



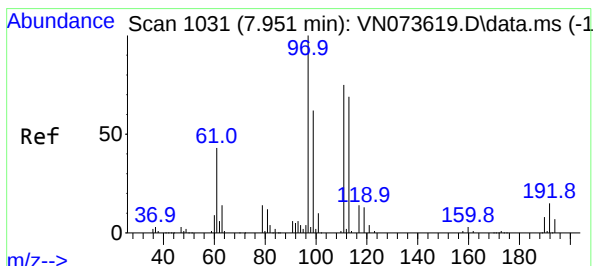
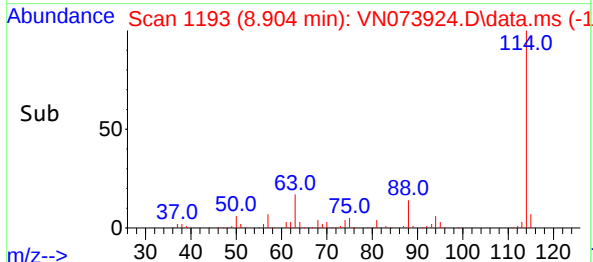
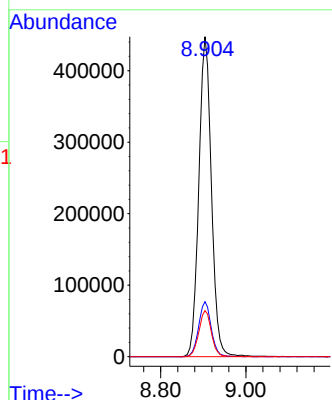
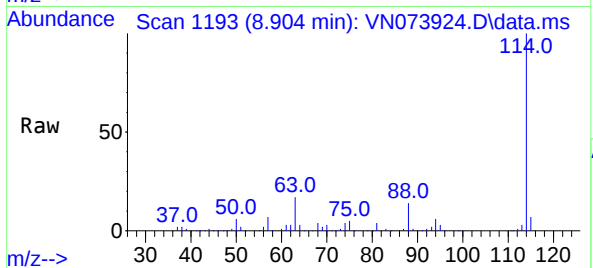


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.904 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

Instrument :
MSVOA_N
ClientSampleId :
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Tgt Ion:114 Resp: 916315

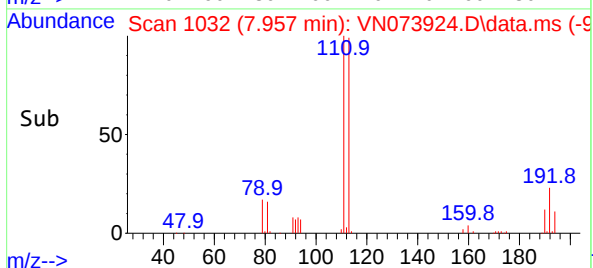
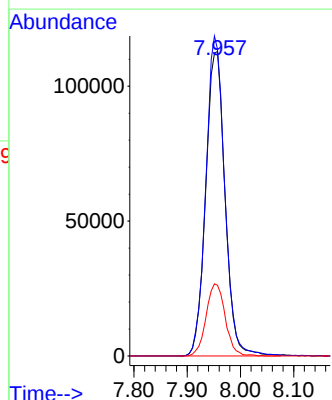
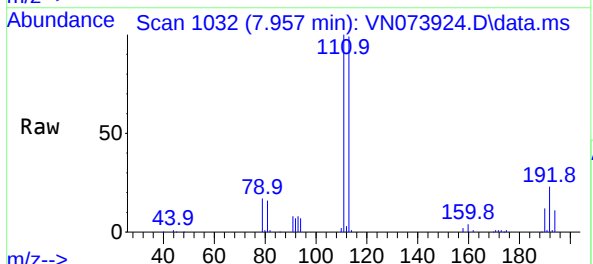
Ion	Ratio	Lower	Upper
114	100		
63	17.2	0.0	40.0
88	14.4	0.0	32.6

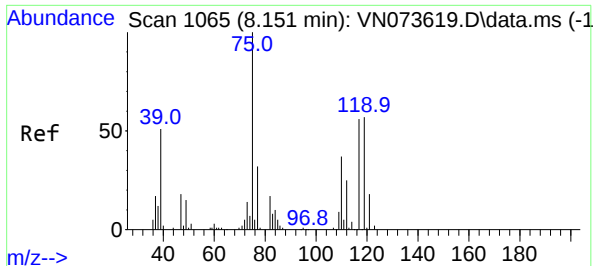


#35
Dibromofluoromethane
Concen: 52.548 ug/l
RT: 7.957 min Scan# 1032
Delta R.T. 0.006 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

Tgt Ion:113 Resp: 284757

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.4	122.0
192	23.5	17.0	25.6

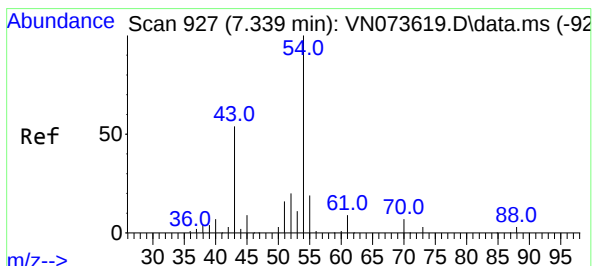
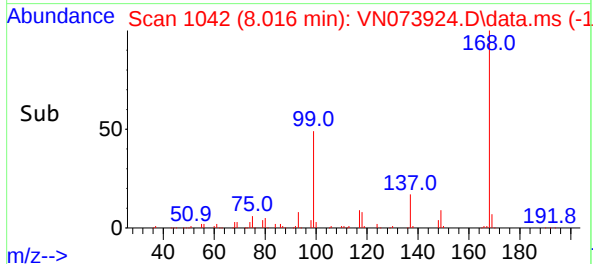
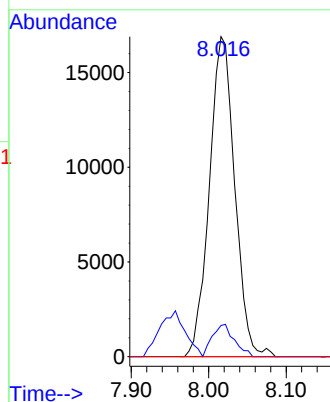
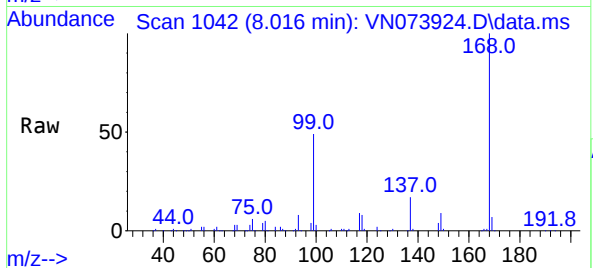




#36
1,1-Dichloropropene
Concen: 5.112 ug/l
RT: 8.016 min Scan# 1065
Delta R.T. -0.135 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

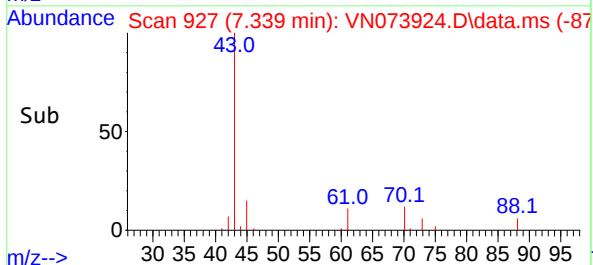
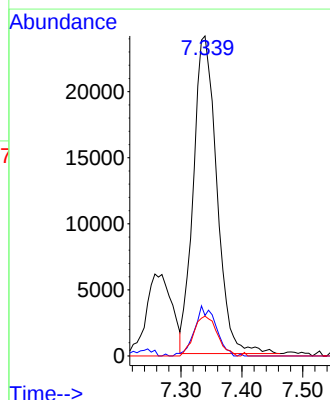
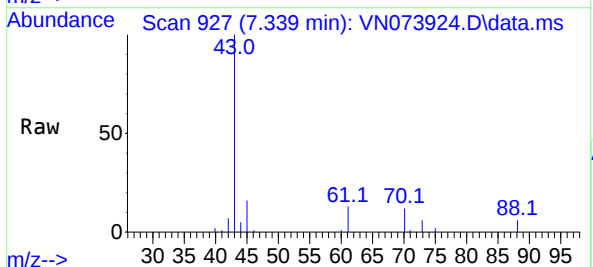
Instrument :
MSVOA_N
ClientSampleId :
S7

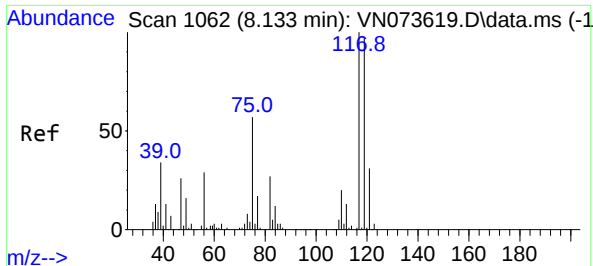
Tgt Ion: 75 Resp: 38480
Ion Ratio Lower Upper
75 100
110 8.7 18.3 54.8#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 7.056 ug/l
RT: 7.339 min Scan# 927
Delta R.T. 0.000 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

Tgt Ion: 43 Resp: 64338
Ion Ratio Lower Upper
43 100
61 14.4 11.8 17.6
70 12.6 9.3 13.9

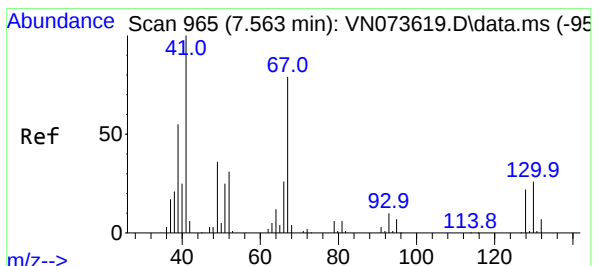
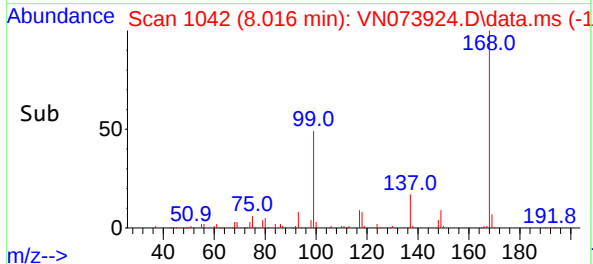
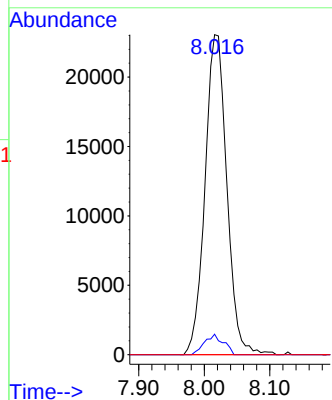
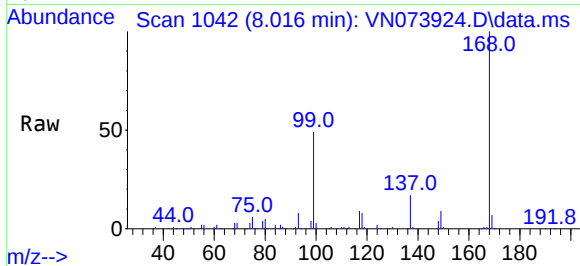




#38
Carbon Tetrachloride
Concen: 6.205 ug/l
RT: 8.016 min Scan# 10
Delta R.T. -0.117 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

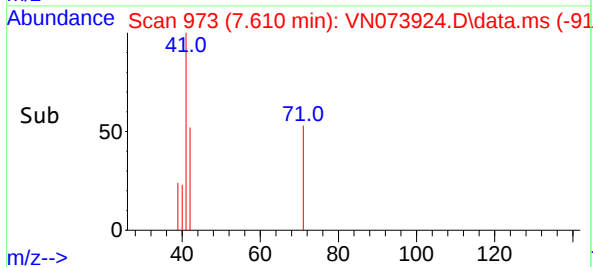
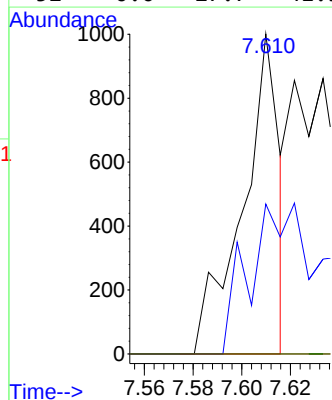
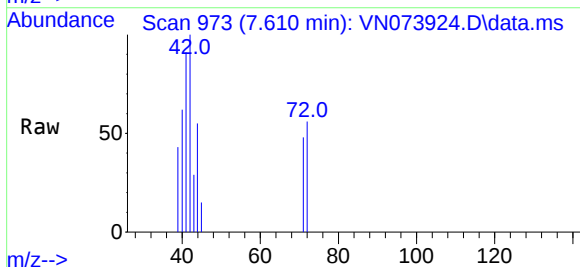
Instrument :
MSVOA_N
ClientSampleId :
S7

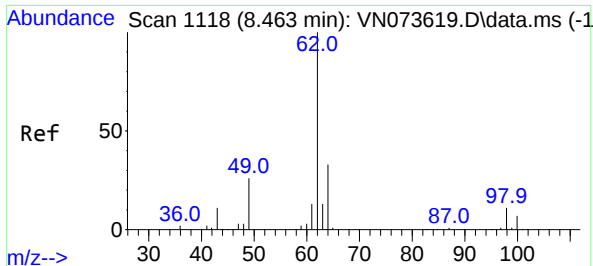
Tgt Ion:117 Resp: 53385
Ion Ratio Lower Upper
117 100
119 6.4 75.8 113.8#
121 0.0 24.6 37.0#



#41
Methacrylonitrile
Concen: 0.258 ug/l
RT: 7.610 min Scan# 973
Delta R.T. 0.047 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

Tgt Ion: 41 Resp: 1062
Ion Ratio Lower Upper
41 100
39 95.1 48.6 73.0#
67 0.0 73.4 110.2#
52 0.0 27.7 41.5#

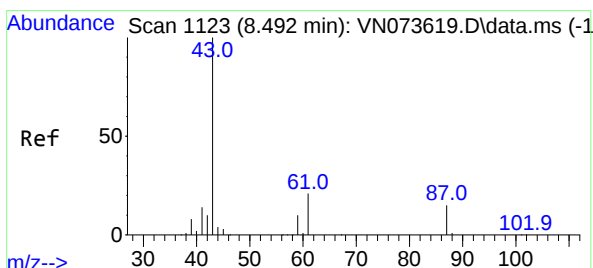
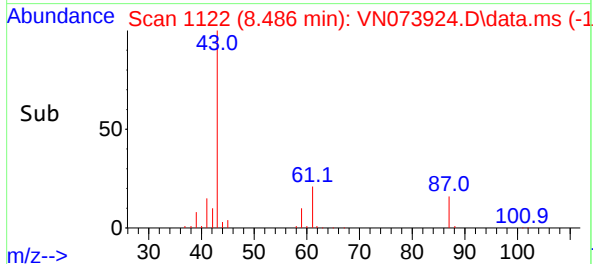
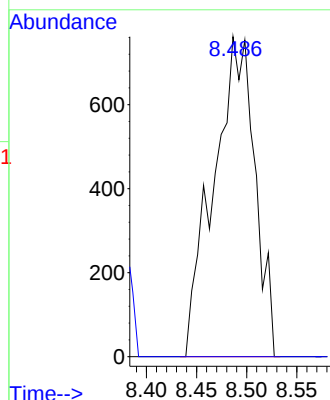
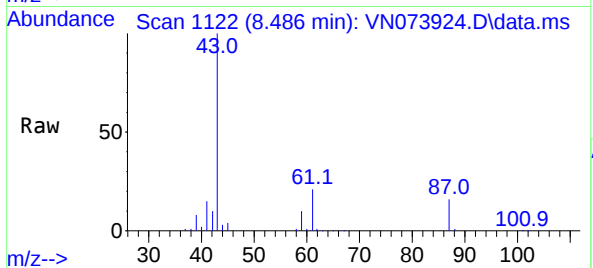




#42
1,2-Dichloroethane
Concen: 0.267 ug/l
RT: 8.486 min Scan# 1118
Delta R.T. 0.023 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

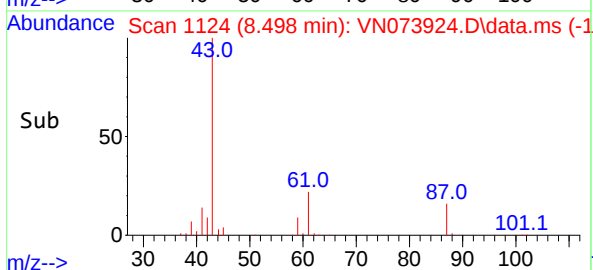
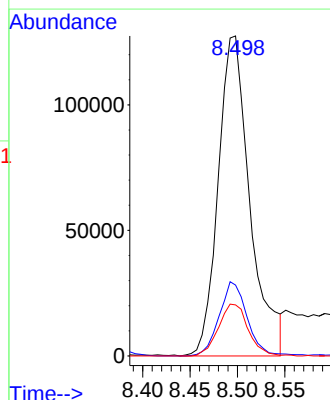
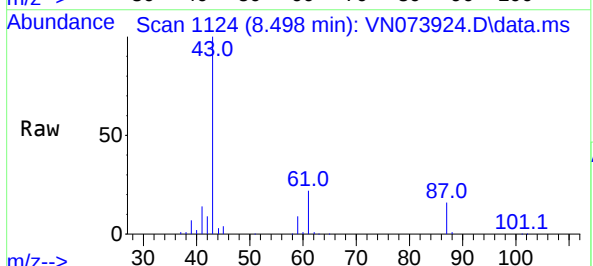
Instrument :
MSVOA_N
ClientSampleId :
S7

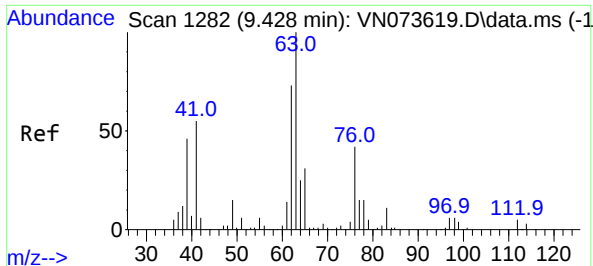
Tgt Ion: 62 Resp: 2184
Ion Ratio Lower Upper
62 100
98 0.0 0.0 19.4



#43
Isopropyl Acetate
Concen: 22.958 ug/l
RT: 8.498 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

Tgt Ion: 43 Resp: 298230
Ion Ratio Lower Upper
43 100
61 20.5 21.9 32.9#
87 15.2 12.0 18.0

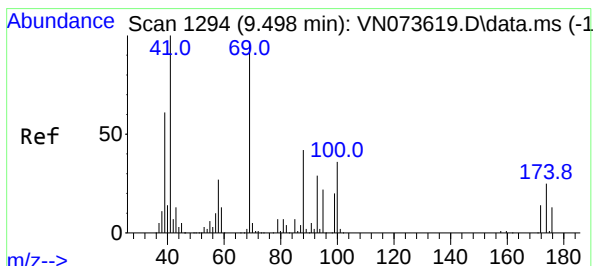
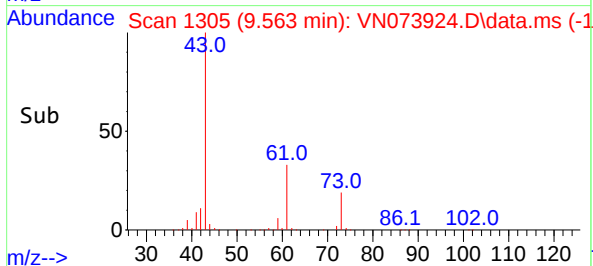
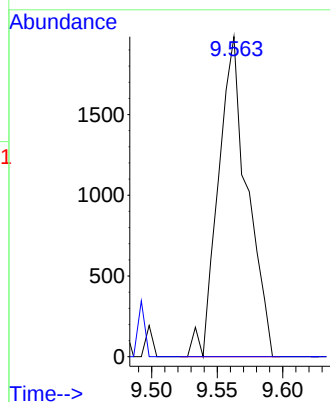
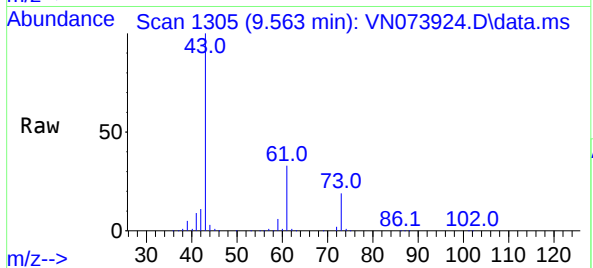




#45
1,2-Dichloropropane
Concen: 0.537 ug/l
RT: 9.563 min Scan# 11
Delta R.T. 0.135 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

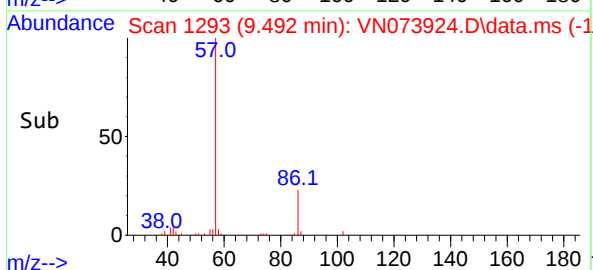
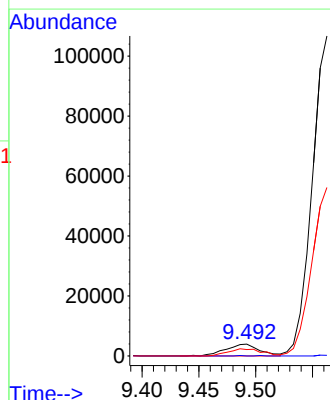
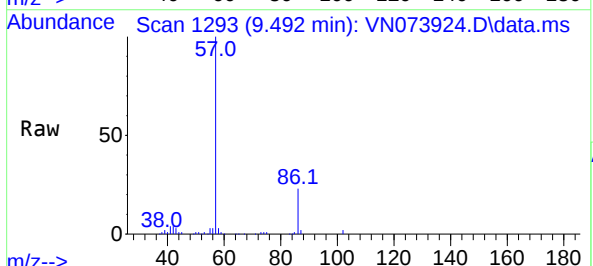
Instrument :
MSVOA_N
ClientSampleId :
S7

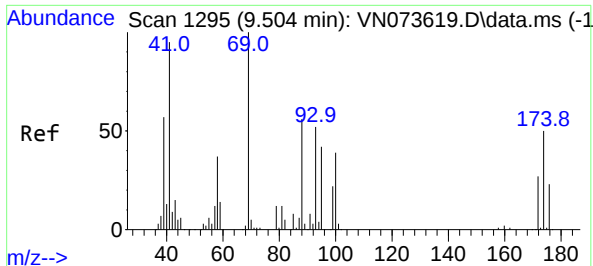
Tgt Ion: 63 Resp: 3058
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#



#48
Methyl methacrylate
Concen: 1.481 ug/l
RT: 9.492 min Scan# 1293
Delta R.T. -0.006 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

Tgt Ion: 41 Resp: 8231
Ion Ratio Lower Upper
41 100
69 0.7 74.7 112.1#
39 60.2 45.6 68.4

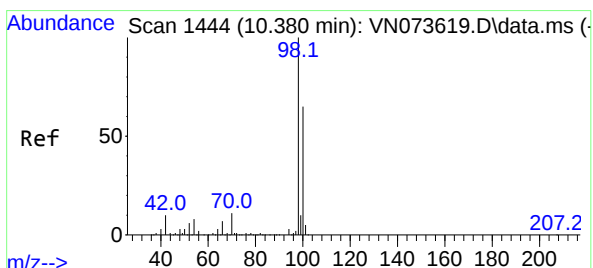
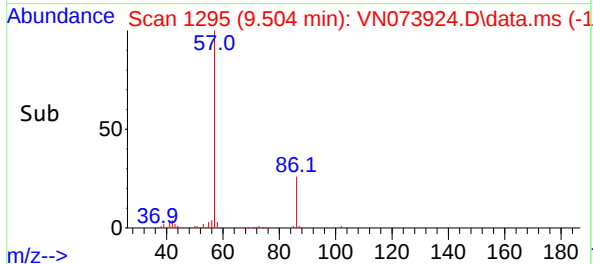
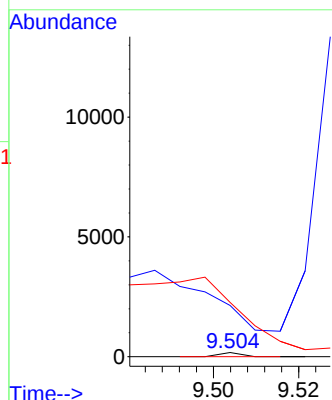
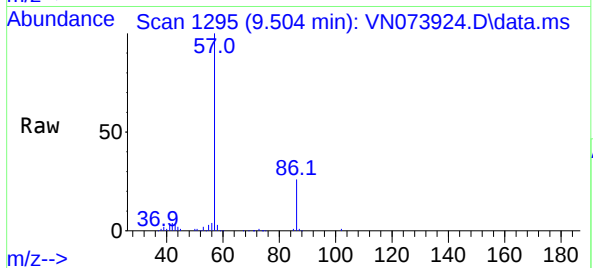




#49
1,4-Dioxane
Concen: 0.375 ug/l
RT: 9.504 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

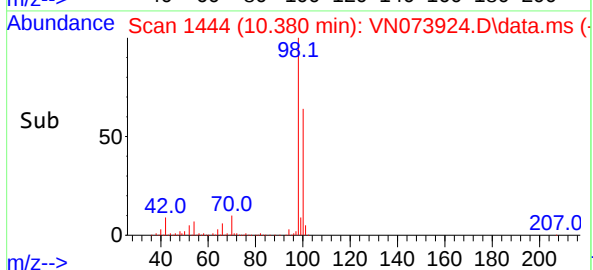
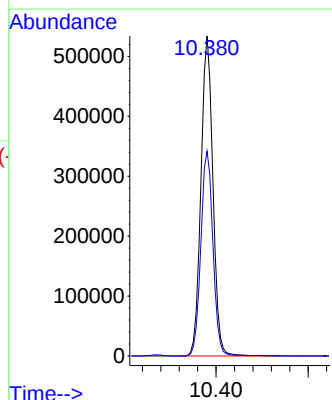
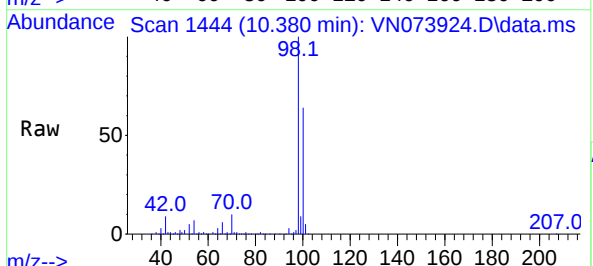
Instrument :
MSVOA_N
ClientSampleId :
S7

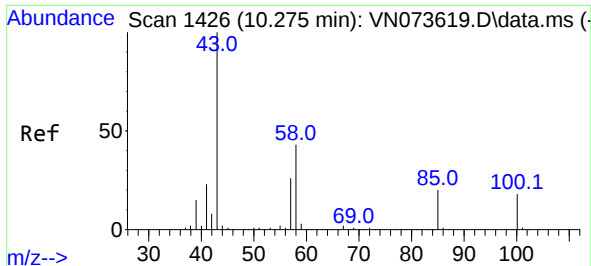
Tgt Ion: 88 Resp: 62
Ion Ratio Lower Upper
88 100
43 0.0 20.2 30.4#
58 11866.1 54.2 81.4#



#50
Toluene-d8
Concen: 45.982 ug/l
RT: 10.380 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

Tgt Ion: 98 Resp: 965035
Ion Ratio Lower Upper
98 100
100 64.7 52.6 78.8





#51

4-Methyl-2-Pentanone

Concen: 3.067 ug/l

RT: 10.274 min Scan# 14

Delta R.T. -0.001 min

Lab File: VN073924.D

Acq: 16 Aug 2022 03:44

Instrument :

MSVOA_N

ClientSampleId :

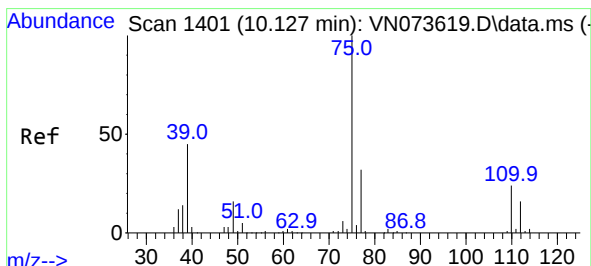
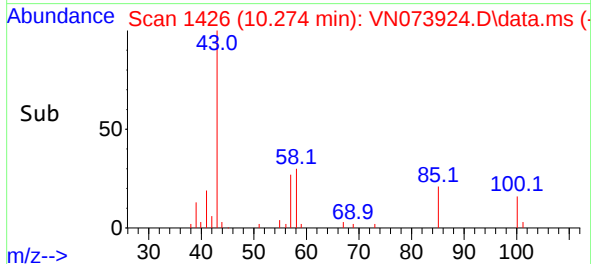
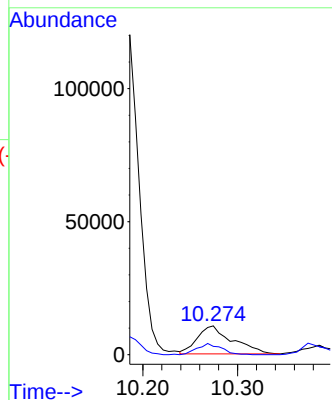
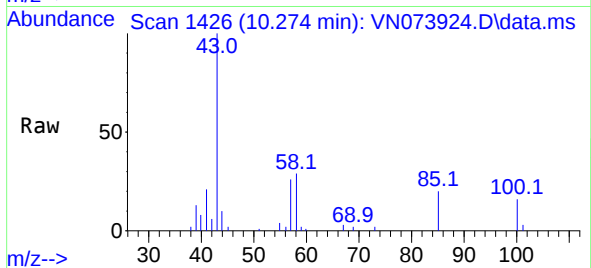
S7

Tgt Ion: 43 Resp: 26936

Ion Ratio Lower Upper

43 100

58 27.8 34.1 51.1#



#54

cis-1,3-Dichloropropene

Concen: 11.991 ug/l

RT: 10.186 min Scan# 1411

Delta R.T. 0.059 min

Lab File: VN073924.D

Acq: 16 Aug 2022 03:44

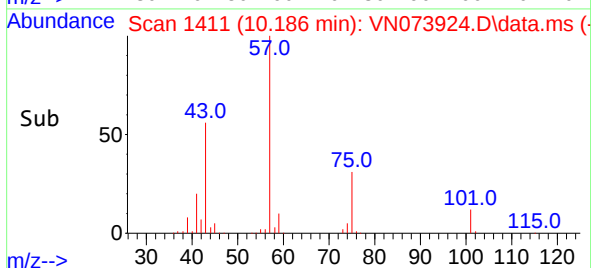
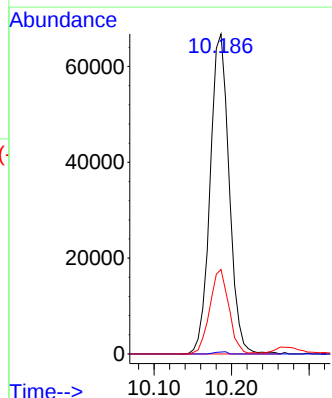
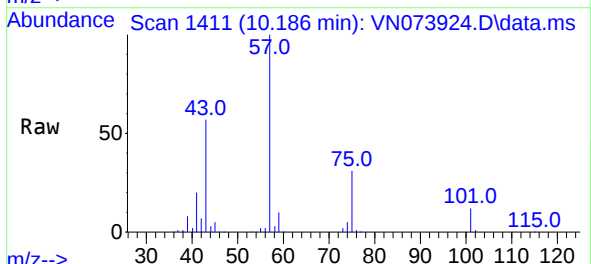
Tgt Ion: 75 Resp: 113910

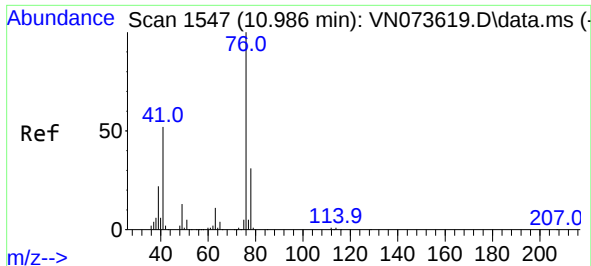
Ion Ratio Lower Upper

75 100

77 0.6 25.2 37.8#

39 26.4 35.7 53.5#





#57

1,3-Dichloropropane

Concen: 1.177 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.047 min

Lab File: VN073924.D

Acq: 16 Aug 2022 03:44

Instrument :

MSVOA_N

ClientSampleId :

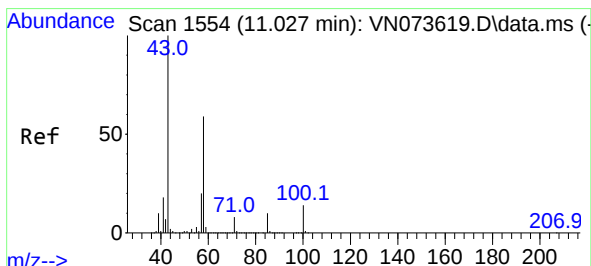
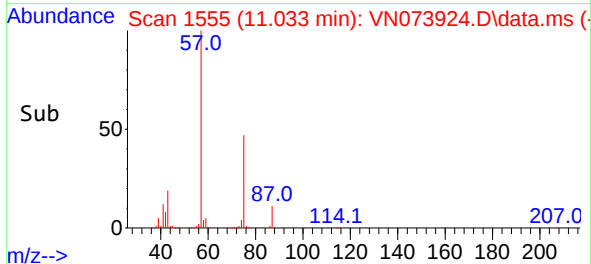
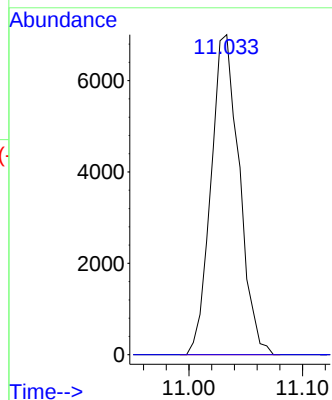
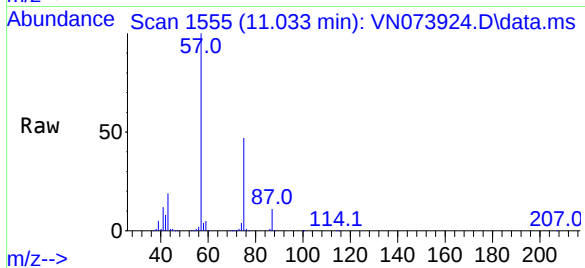
S7

Tgt Ion: 76 Resp: 12128

Ion Ratio Lower Upper

76 100

78 0.0 26.2 39.2#



#59

2-Hexanone

Concen: 17.224 ug/l

RT: 11.033 min Scan# 1555

Delta R.T. 0.006 min

Lab File: VN073924.D

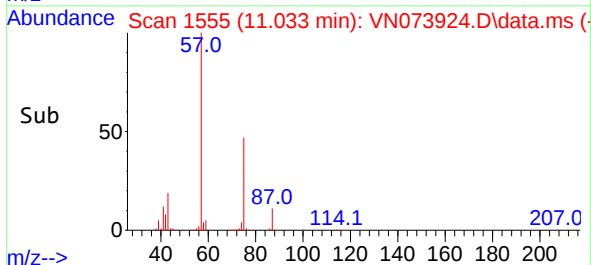
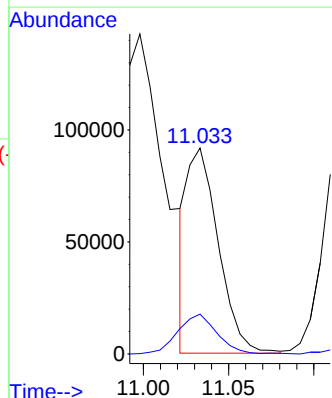
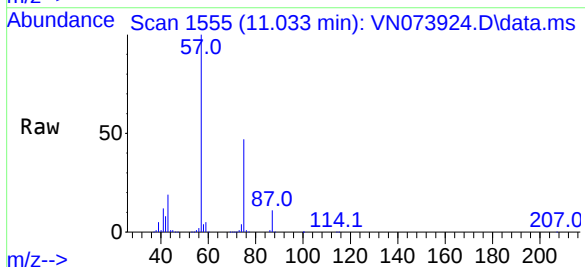
Acq: 16 Aug 2022 03:44

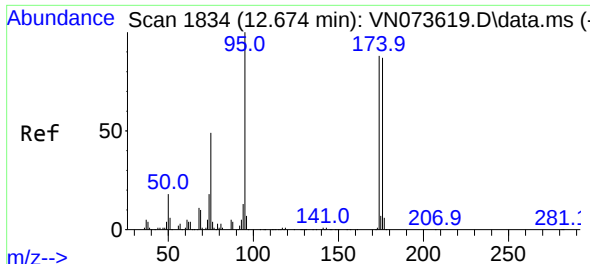
Tgt Ion: 43 Resp: 116424

Ion Ratio Lower Upper

43 100

58 24.6 29.7 89.1#

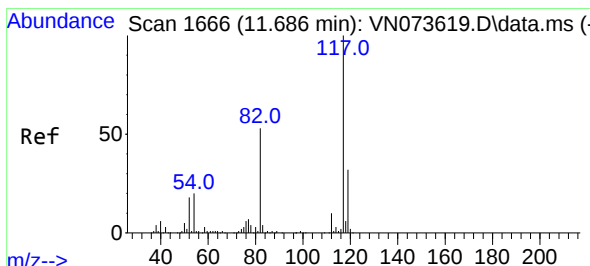
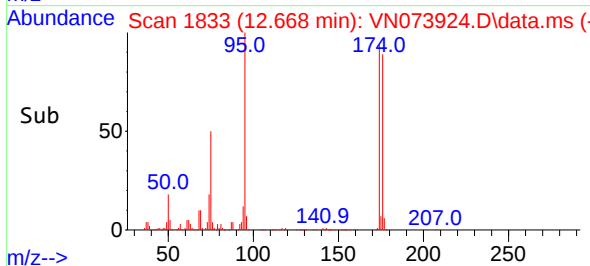
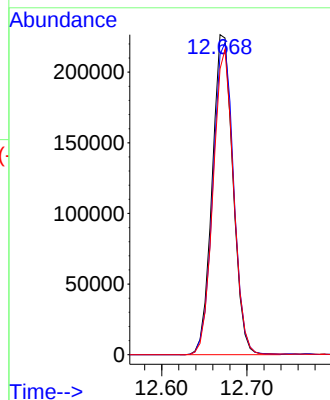
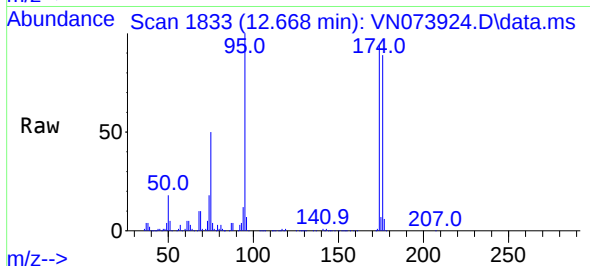




#62
4-Bromofluorobenzene
Concen: 55.020 ug/l
RT: 12.668 min Scan# 1833
Delta R.T. -0.006 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

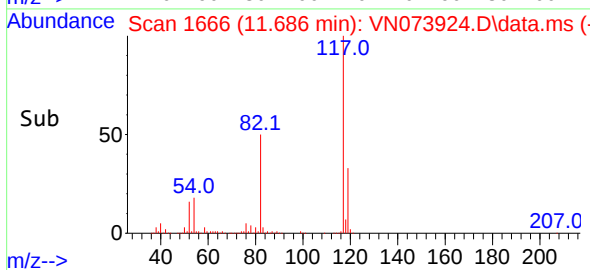
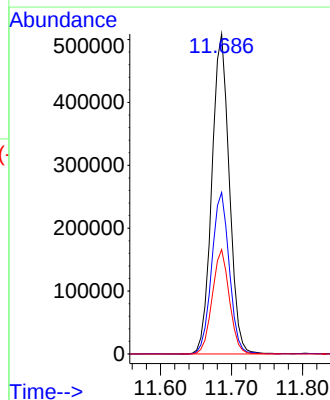
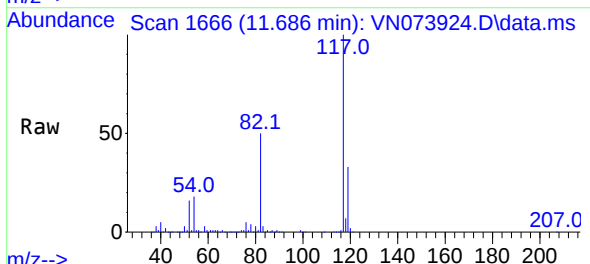
Instrument :
MSVOA_N
ClientSampleId :
S7

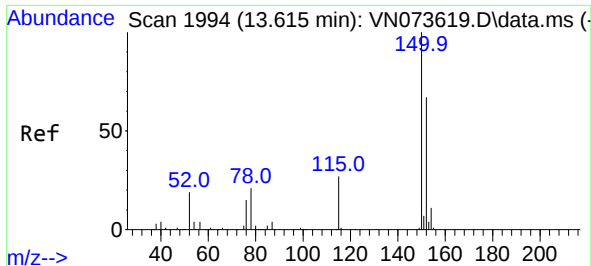
Tgt Ion: 95 Resp: 383231
Ion Ratio Lower Upper
95 100
174 97.4 0.0 167.6
176 93.9 0.0 163.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.686 min Scan# 1666
Delta R.T. 0.000 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

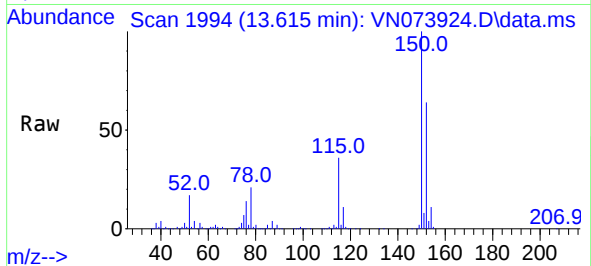
Tgt Ion: 117 Resp: 866267
Ion Ratio Lower Upper
117 100
82 50.4 44.2 66.2
119 32.6 25.4 38.0



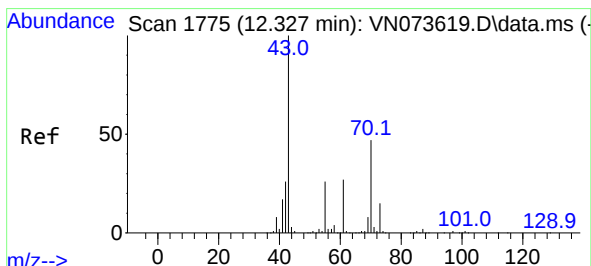
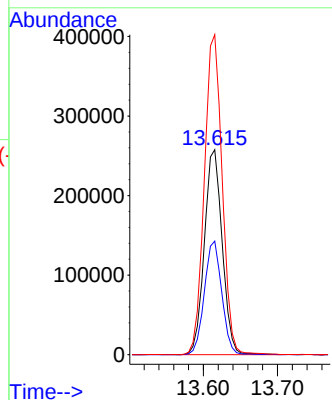
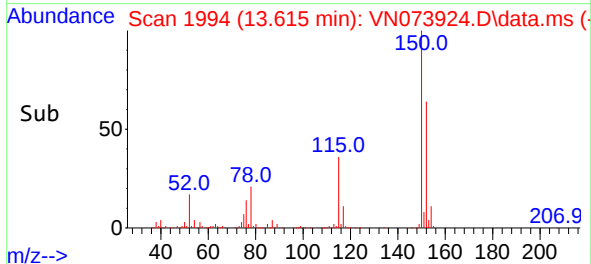


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.615 min Scan# 1994
Delta R.T. 0.000 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

Instrument :
MSVOA_N
ClientSampleId :
S7

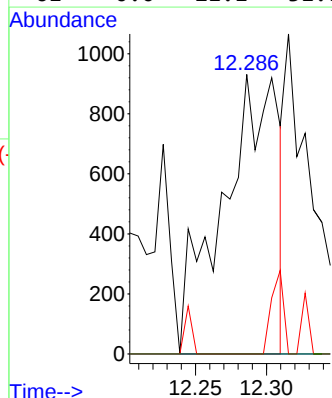
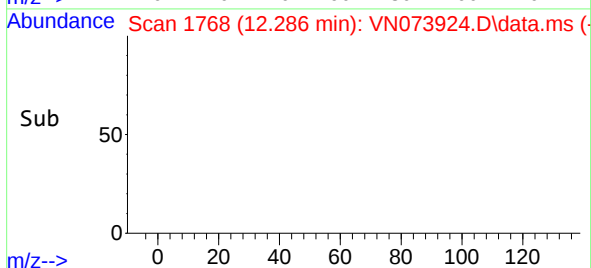
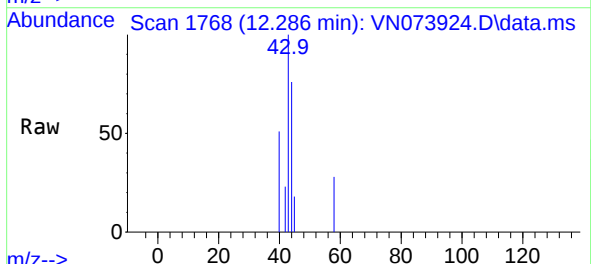


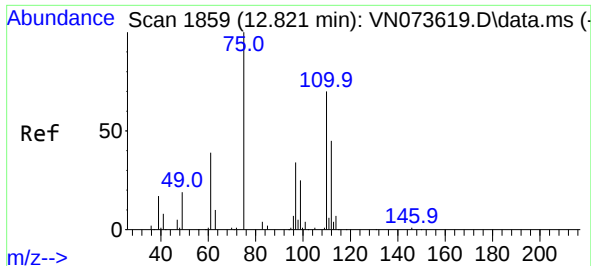
Tgt Ion:152 Resp: 432787
Ion Ratio Lower Upper
152 100
115 54.1 28.9 86.7
150 156.1 0.0 356.2



#74
N-ethyl acetate
Concen: 0.211 ug/l
RT: 12.286 min Scan# 1768
Delta R.T. -0.041 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

Tgt Ion: 43 Resp: 2517
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#

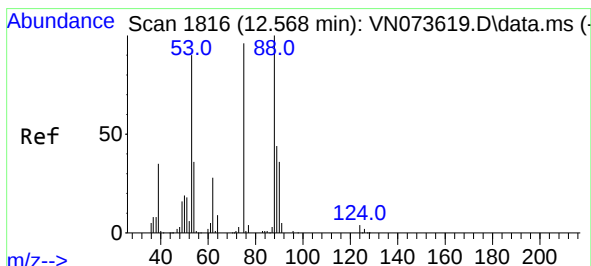
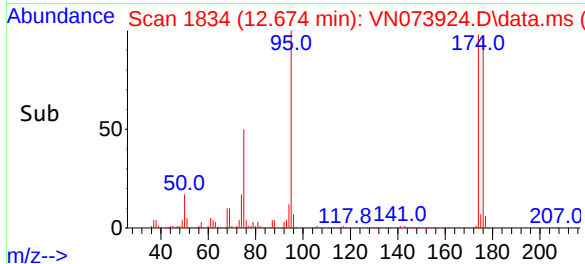
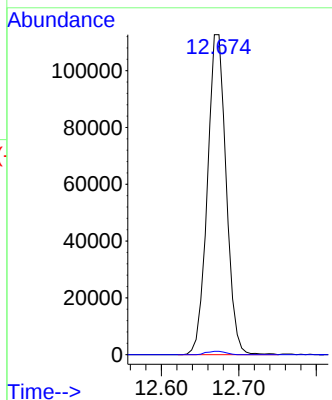
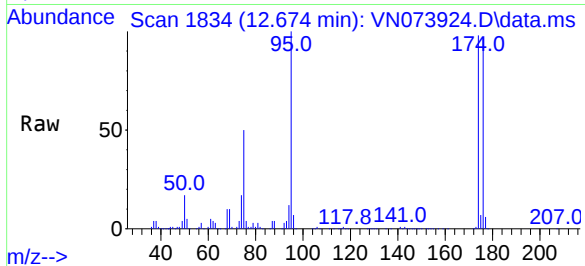




#76
1,2,3-Trichloropropane
Concen: 21.085 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. -0.147 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

Instrument :
MSVOA_N
ClientSampleId :
S7

Tgt Ion: 75 Resp: 189672
Ion Ratio Lower Upper
75 100
77 1.1 98.5 295.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.971 ug/l
RT: 12.674 min Scan# 1834
Delta R.T. 0.106 min
Lab File: VN073924.D
Acq: 16 Aug 2022 03:44

Tgt Ion: 75 Resp: 189672
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 37.2 55.8#

