

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120722\
 Data File : VN075619.D
 Acq On : 07 Dec 2022 20:19
 Operator : JC\MD
 Sample : N5897-20
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 2997

Quant Time: Dec 08 00:23:56 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 23 00:18:03 2022
 Response via : Initial Calibration

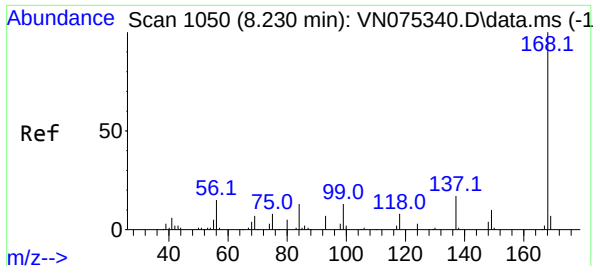
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	193503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	325923	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	294211	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	137020	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	54595	52.561	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.120%			
35) Dibromofluoromethane	8.177	113	69481	54.268	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.540%			
50) Toluene-d8	10.571	98	150569	52.214	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.420%			
62) 4-Bromofluorobenzene	12.853	95	111433	52.354	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.700%			
Target Compounds					Qvalue	
6) Chloroethane	3.106	64	413	0.235	ug/l #	45
8) Diethyl Ether	3.965	74	411	0.354	ug/l #	25
11) Tert butyl alcohol	5.518	59	2578	5.912	ug/l #	72
16) Acetone	4.447	43	33830	34.918	ug/l	99
17) Carbon Disulfide	4.712	76	1305	0.280	ug/l #	74
18) Methyl Acetate	5.059	43	5007	0.775	ug/l	99
20) Methylene Chloride	5.283	84	11143	4.508	ug/l #	79
25) 2-Butanone	7.500	43	7492	5.539	ug/l	91
31) Cyclohexane	8.235	56	3420	1.036	ug/l #	24
36) 1,1-Dichloropropene	8.229	75	13273	4.754	ug/l #	50
37) Ethyl Acetate	7.571	43	24382	9.698	ug/l #	93
38) Carbon Tetrachloride	8.229	117	18920	6.169	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	737	0.257	ug/l #	75
43) Isopropyl Acetate	8.694	43	185035	45.852	ug/l #	79
45) 1,2-Dichloropropane	9.741	63	1178	0.578	ug/l #	42
48) Methyl methacrylate	9.671	41	3262	1.748	ug/l #	34
51) 4-Methyl-2-Pentanone	10.453	43	9094	3.538	ug/l #	68
53) t-1,3-Dichloropropene	10.723	75	650	0.217	ug/l #	43
54) cis-1,3-Dichloropropene	10.359	75	48156	14.801	ug/l #	62
56) Ethyl methacrylate	10.988	69	1133	0.374	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	5998	1.640	ug/l #	42
59) 2-Hexanone	11.176	43	87257	45.211	ug/l #	21
74) N-amyl acetate	12.494	43	958	0.311	ug/l #	38
76) 1,2,3-Trichloropropane	12.853	75	54282	20.953	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	54282	61.994	ug/l #	10

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

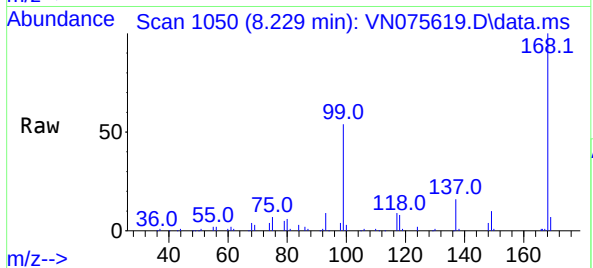
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112122W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 23 00:18:03 2022
Response via : Initial Calibration



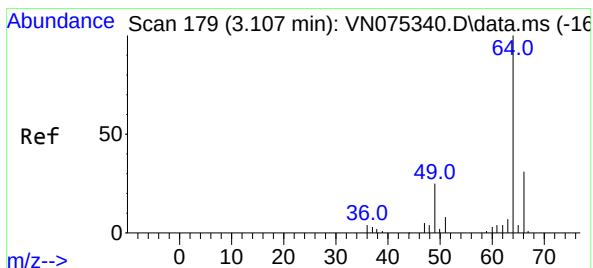
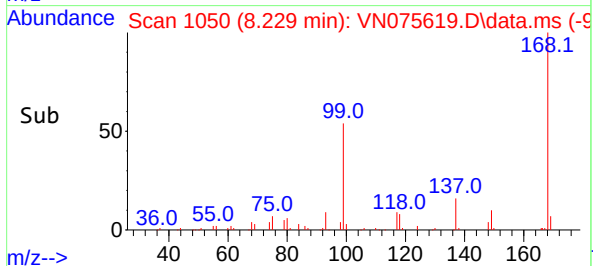
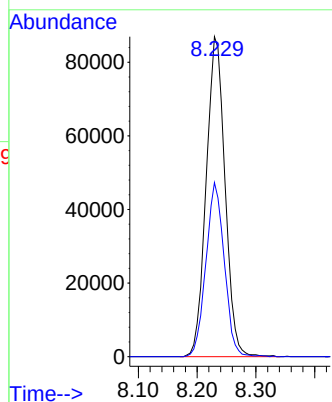


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.001 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

Instrument :
MSVOA_N
ClientSampleId :
2997

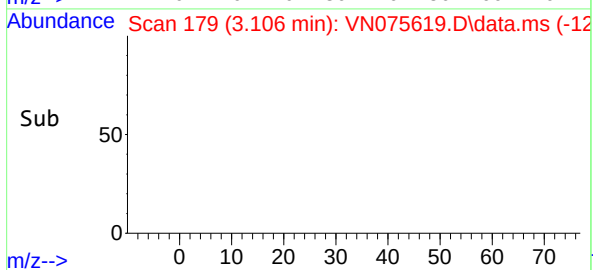
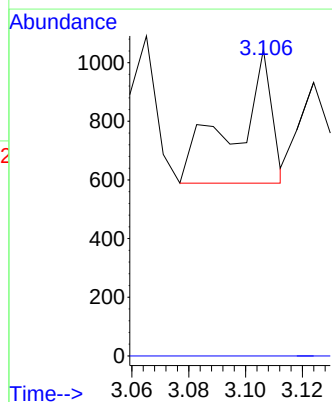
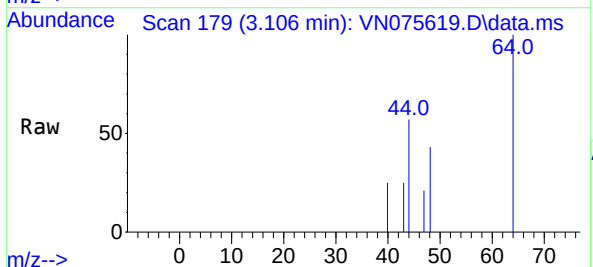


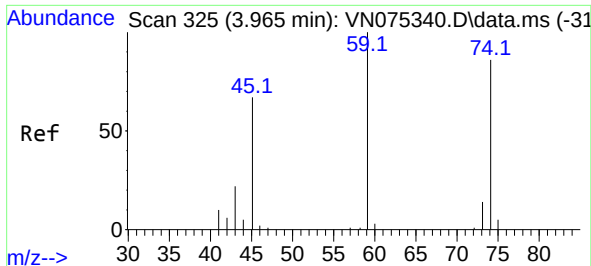
Tgt Ion:168 Resp: 193503
Ion Ratio Lower Upper
168 100
99 54.4 51.6 77.4



#6
Chloroethane
Concen: 0.235 ug/l
RT: 3.106 min Scan# 179
Delta R.T. -0.001 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

Tgt Ion: 64 Resp: 413
Ion Ratio Lower Upper
64 100
66 0.0 23.8 35.8#





#8
Diethyl Ether

Concen: 0.354 ug/l

RT: 3.965 min Scan# 31

Delta R.T. 0.000 min

Lab File: VN075619.D

Acq: 07 Dec 2022 20:19

Instrument :

MSVOA_N

ClientSampleId :

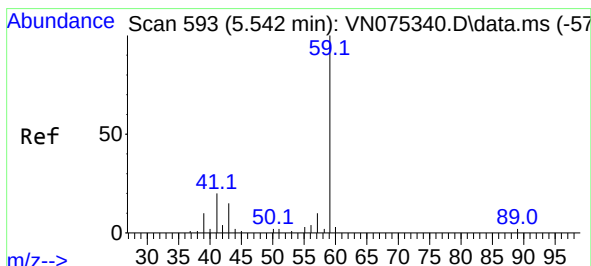
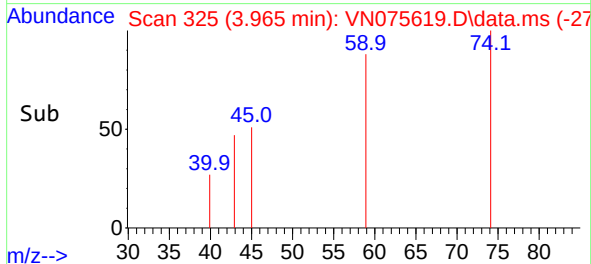
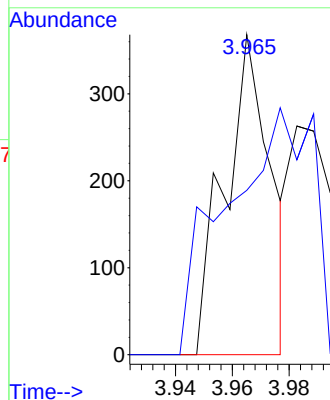
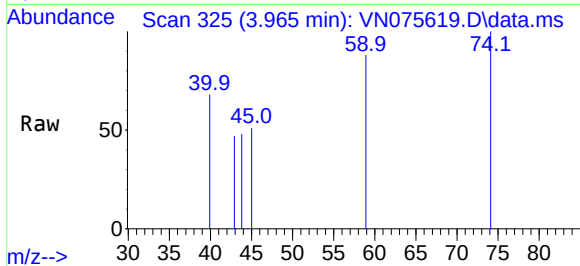
2997

Tgt Ion: 74 Resp: 411

Ion Ratio Lower Upper

74 100

45 144.5 39.3 117.9#



#11

Tert butyl alcohol

Concen: 5.912 ug/l

RT: 5.518 min Scan# 589

Delta R.T. -0.024 min

Lab File: VN075619.D

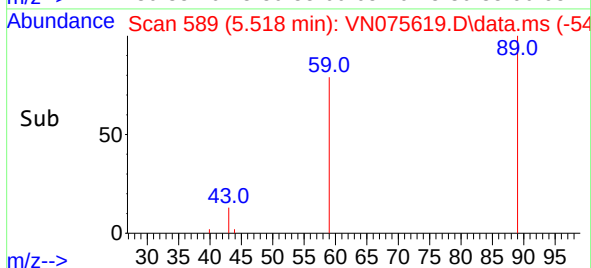
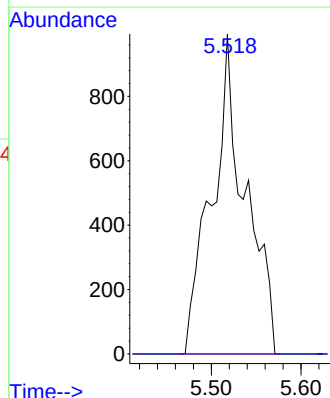
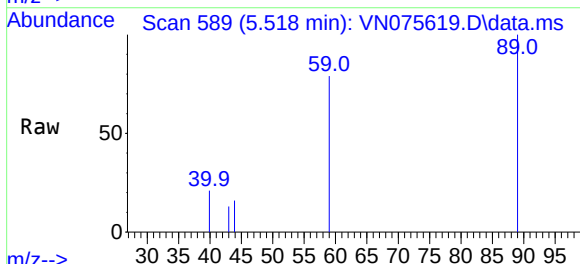
Acq: 07 Dec 2022 20:19

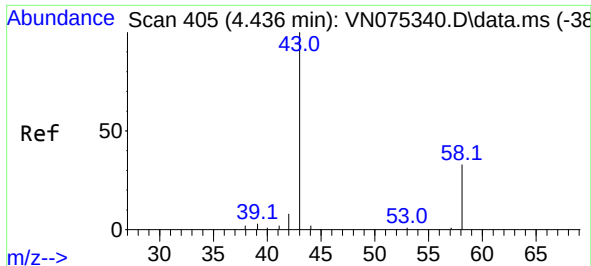
Tgt Ion: 59 Resp: 2578

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#

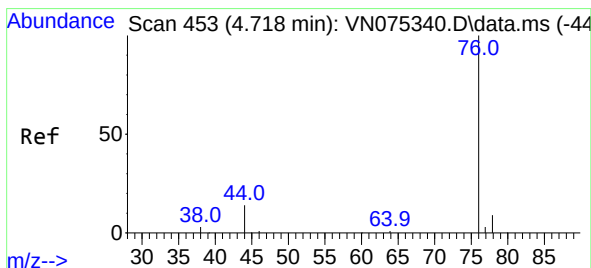
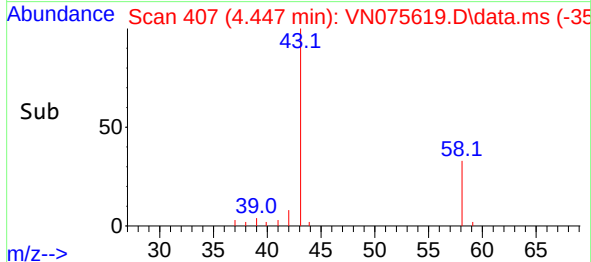
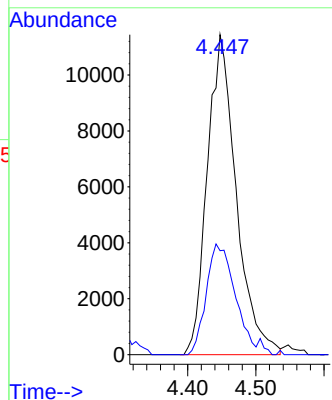
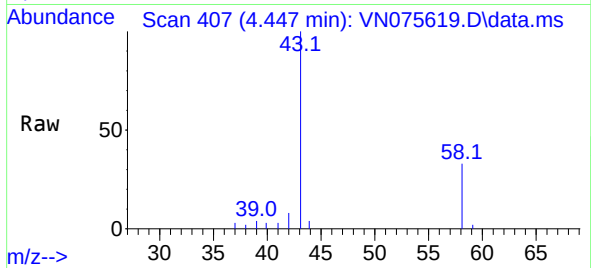




#16
Acetone
Concen: 34.918 ug/l
RT: 4.447 min Scan# 405
Delta R.T. 0.011 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

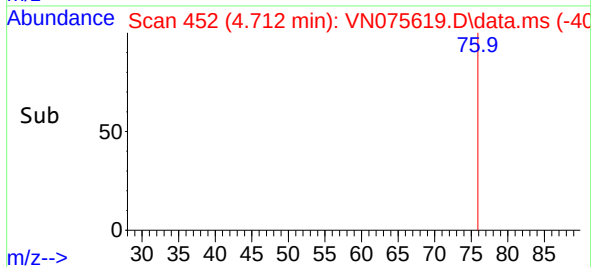
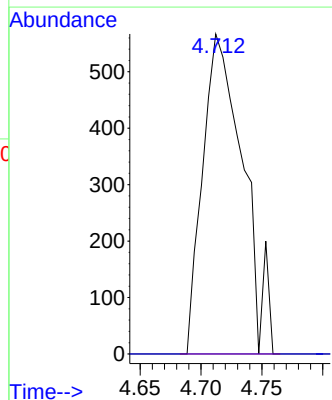
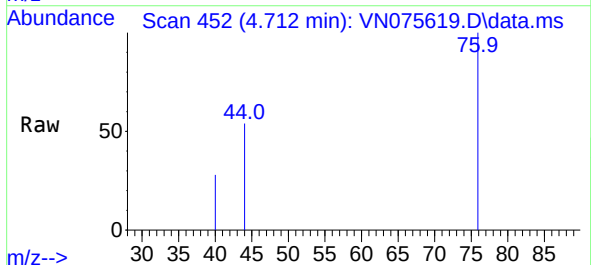
Instrument :
MSVOA_N
ClientSampleId :
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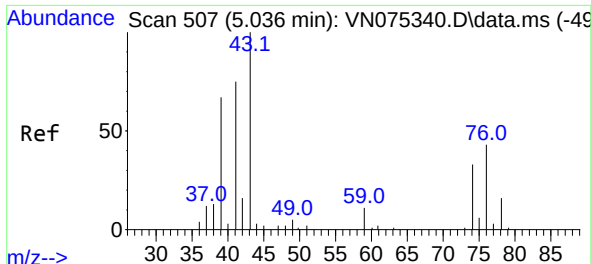
Tgt Ion: 43 Resp: 33830
Ion Ratio Lower Upper
43 100
58 32.5 25.5 38.3



#17
Carbon Disulfide
Concen: 0.280 ug/l
RT: 4.712 min Scan# 452
Delta R.T. -0.006 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

Tgt Ion: 76 Resp: 1305
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#

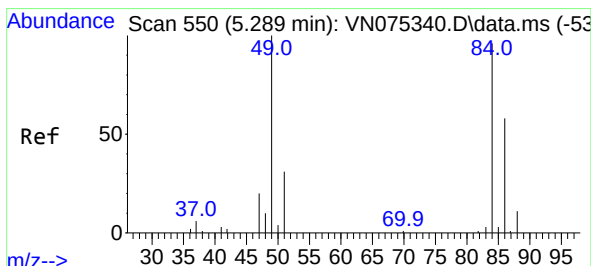
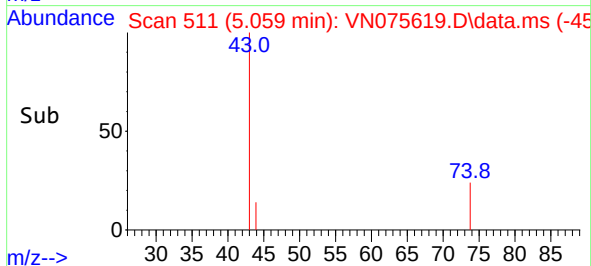
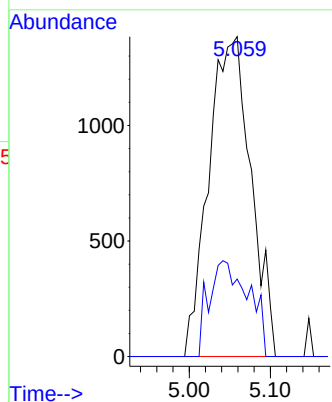
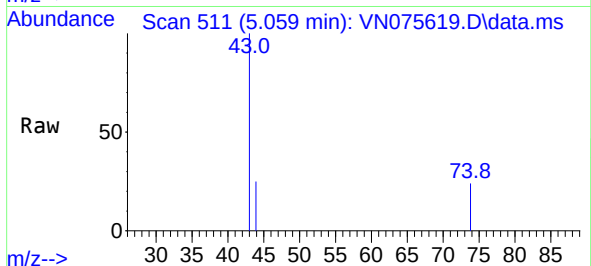




#18
Methyl Acetate
Concen: 0.775 ug/l
RT: 5.059 min Scan# 511
Delta R.T. 0.023 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

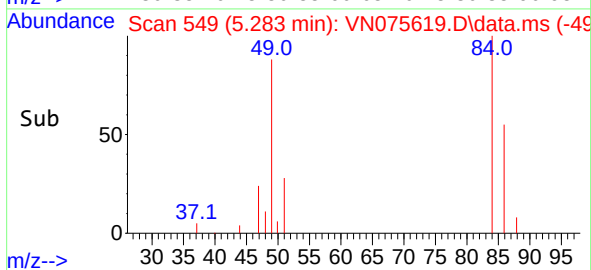
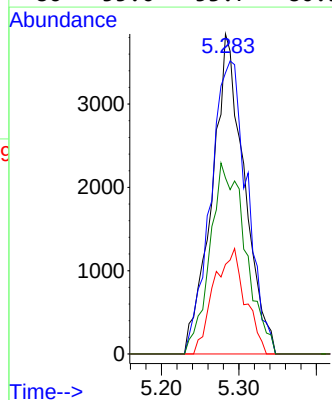
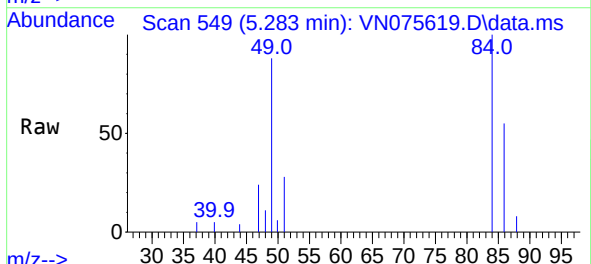
Instrument :
MSVOA_N
ClientSampleId :
2997

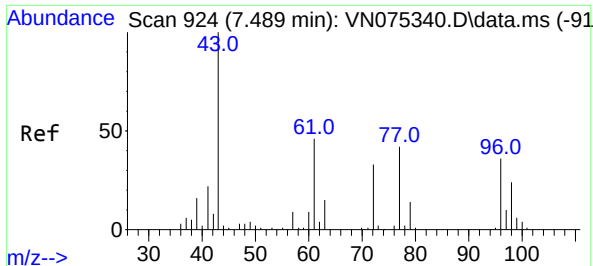
Tgt Ion: 43 Resp: 5007
Ion Ratio Lower Upper
43 100
74 28.0 22.0 33.0



#20
Methylene Chloride
Concen: 4.508 ug/l
RT: 5.283 min Scan# 549
Delta R.T. -0.006 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

Tgt Ion: 84 Resp: 11143
Ion Ratio Lower Upper
84 100
49 87.8 94.9 142.3#
51 28.0 26.8 40.2
86 55.0 53.7 80.5





#25

2-Butanone

Concen: 5.539 ug/l

RT: 7.500 min Scan# 91

Delta R.T. 0.011 min

Lab File: VN075619.D

Acq: 07 Dec 2022 20:19

Instrument :

MSVOA_N

ClientSampleId :

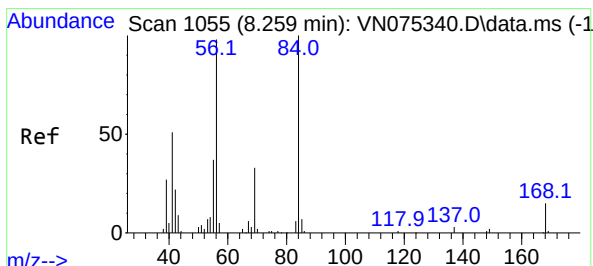
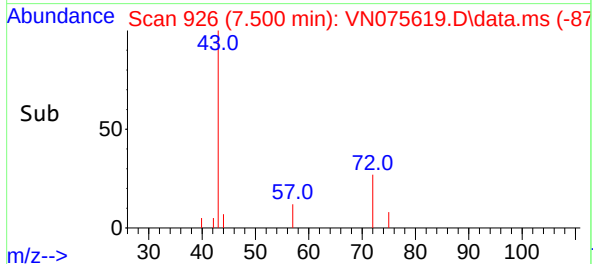
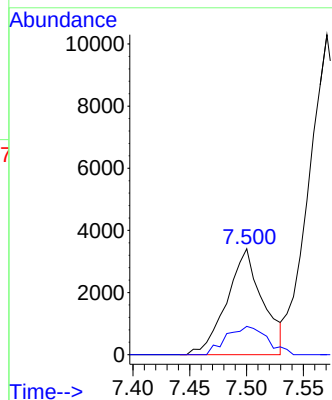
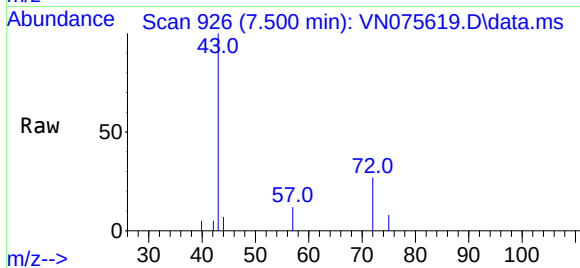
2997

Tgt Ion: 43 Resp: 7492

Ion Ratio Lower Upper

43 100

72 26.8 25.5 38.3



#31

Cyclohexane

Concen: 1.036 ug/l

RT: 8.235 min Scan# 1051

Delta R.T. -0.024 min

Lab File: VN075619.D

Acq: 07 Dec 2022 20:19

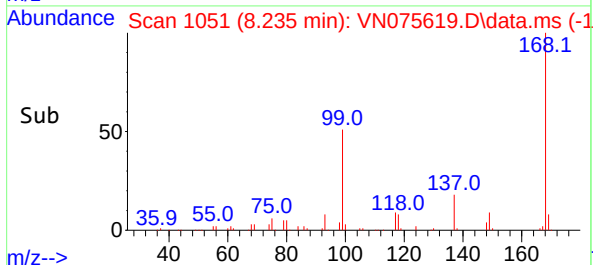
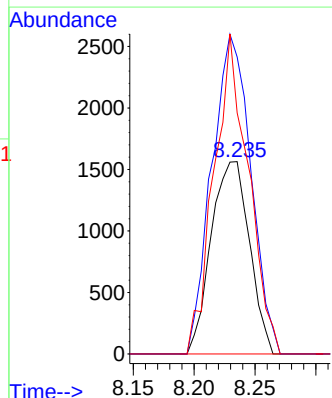
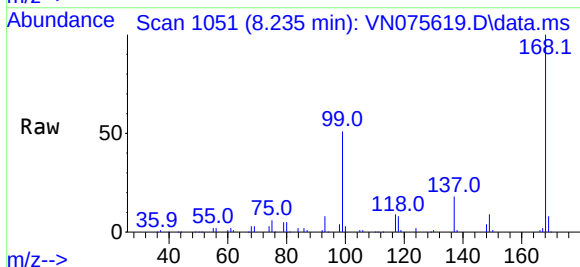
Tgt Ion: 56 Resp: 3420

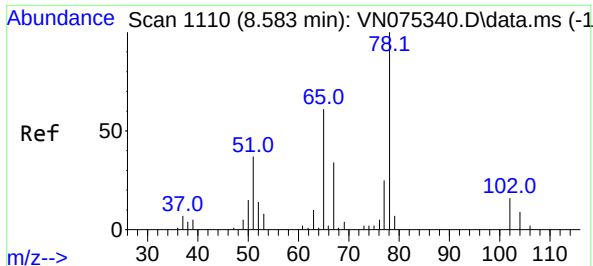
Ion Ratio Lower Upper

56 100

69 154.4 25.2 37.8#

84 125.4 77.8 116.8#

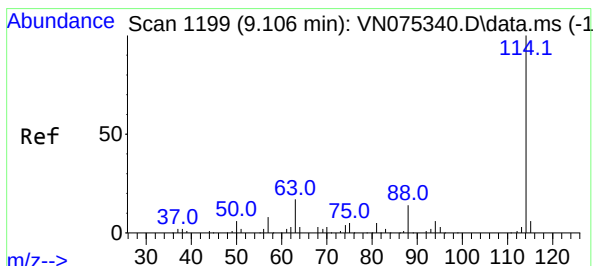
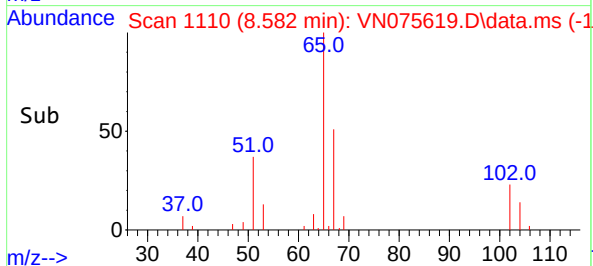
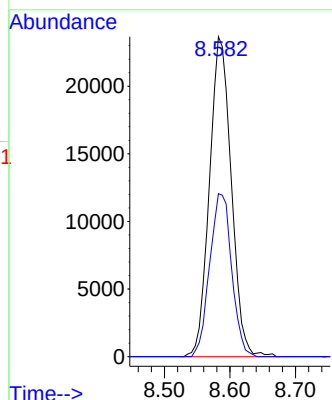
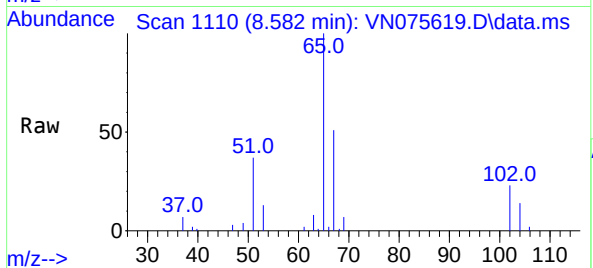




#33
1,2-Dichloroethane-d4
Concen: 52.561 ug/l
RT: 8.582 min Scan# 1110
Delta R.T. -0.001 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

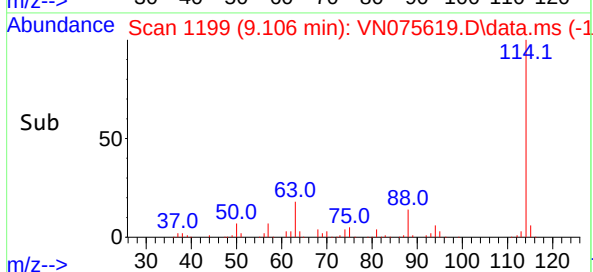
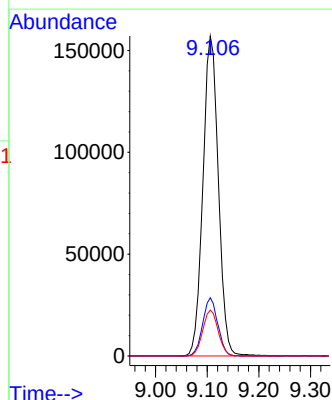
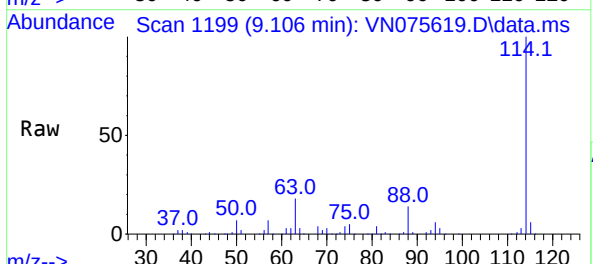
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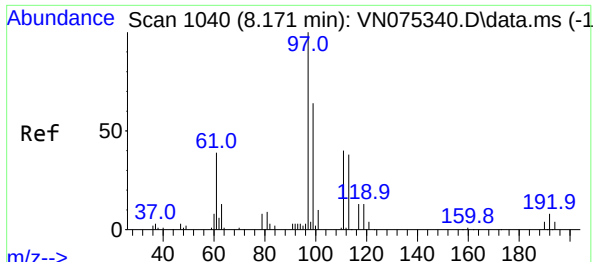
Tgt Ion: 65 Resp: 54595
Ion Ratio Lower Upper
65 100
67 51.3 0.0 102.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1199
Delta R.T. -0.000 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

Tgt Ion: 114 Resp: 325923
Ion Ratio Lower Upper
114 100
63 18.2 0.0 39.6
88 14.3 0.0 29.0

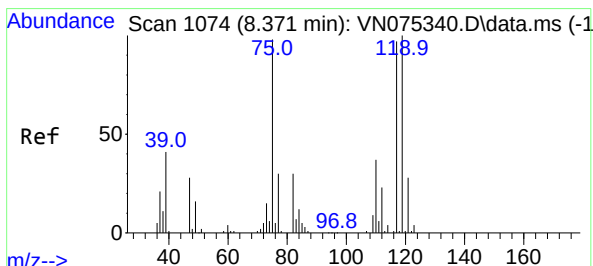
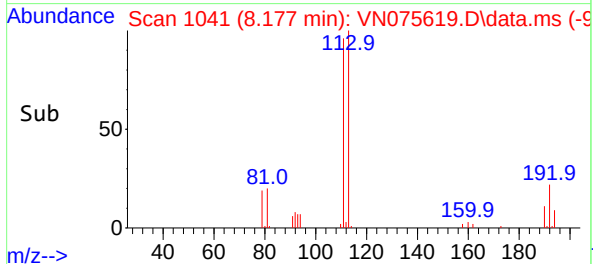
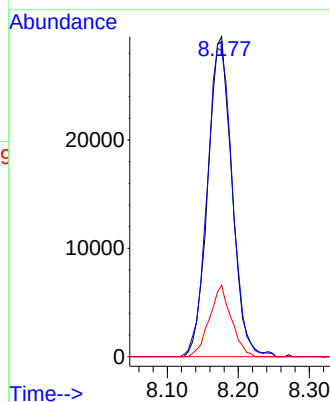
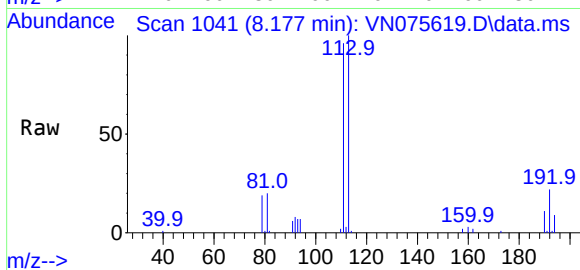




#35
Dibromofluoromethane
Concen: 54.268 ug/l
RT: 8.177 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

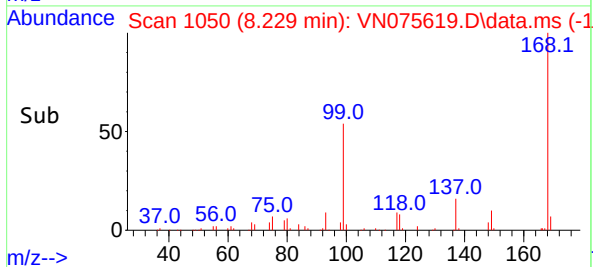
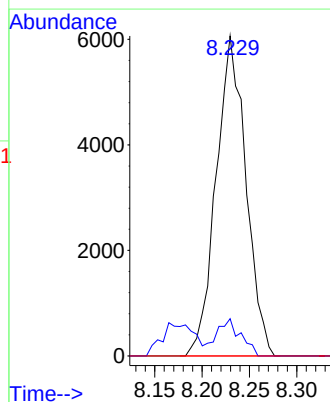
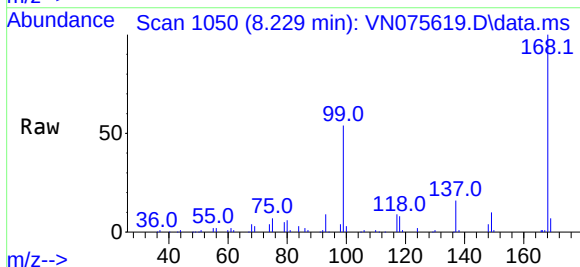
Instrument :
MSVOA_N
ClientSampleId :
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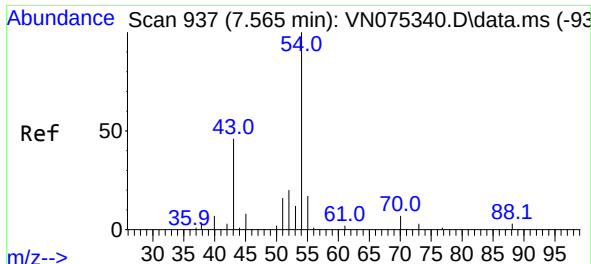
Tgt Ion:113 Resp: 69481
Ion Ratio Lower Upper
113 100
111 101.6 80.5 120.7
192 20.3 13.2 19.8#



#36
1,1-Dichloropropene
Concen: 4.754 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.142 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

Tgt Ion: 75 Resp: 13273
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.3#
77 0.0 24.6 37.0#

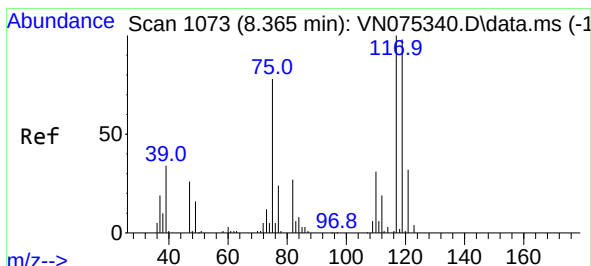
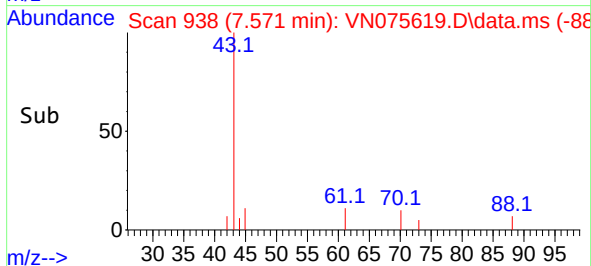
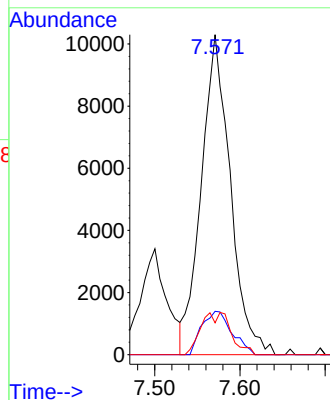
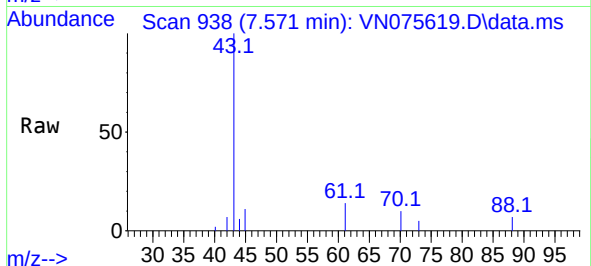




#37
Ethyl Acetate
Concen: 9.698 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

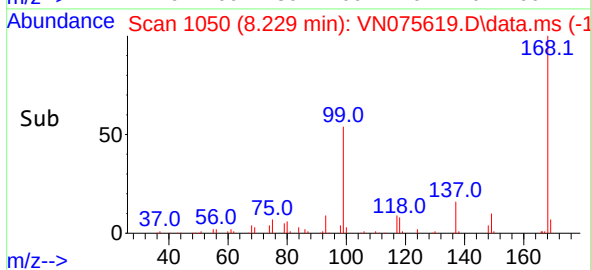
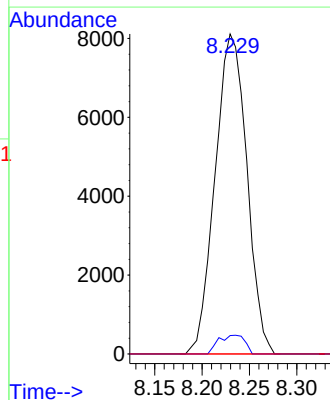
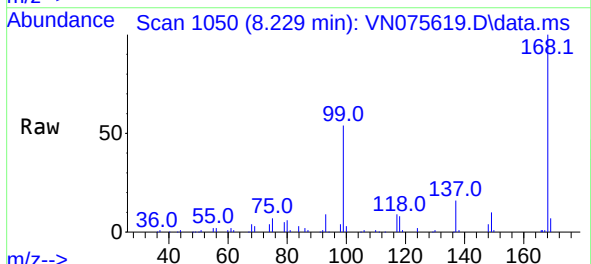
Instrument :
MSVOA_N
ClientSampleId :
2997

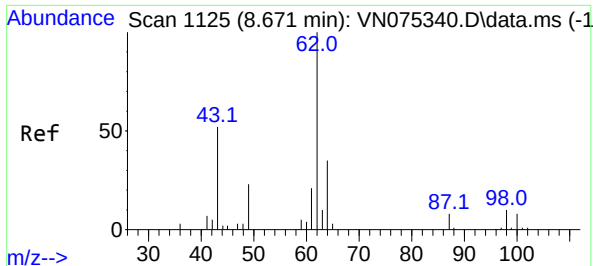
Tgt Ion:	43	Resp:	24382
Ion	Ratio	Lower	Upper
43	100		
61	14.1	12.2	18.4
70	7.2	9.4	14.2#



#38
Carbon Tetrachloride
Concen: 6.169 ug/l
RT: 8.229 min Scan# 1050
Delta R.T. -0.136 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

Tgt Ion:	117	Resp:	18920
Ion	Ratio	Lower	Upper
117	100		
119	5.7	76.7	115.1#
121	0.0	23.9	35.9#

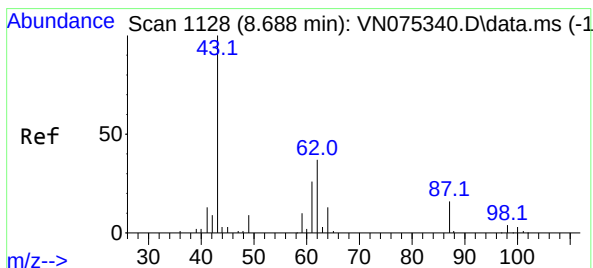
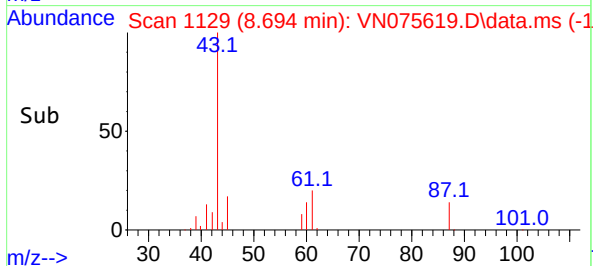
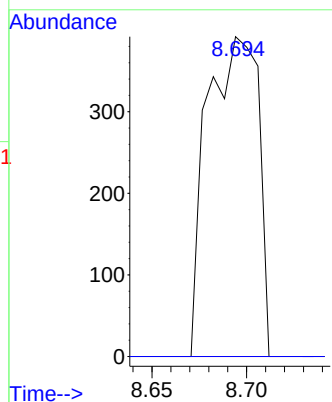
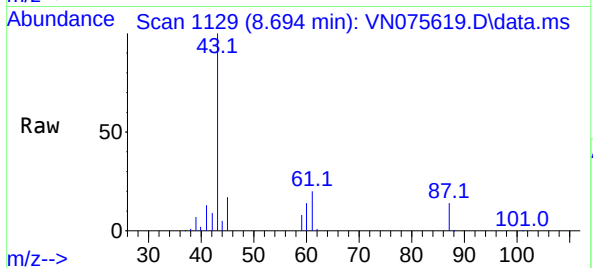




#42
1,2-Dichloroethane
Concen: 0.257 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.023 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

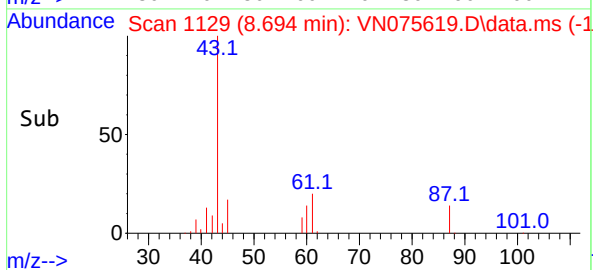
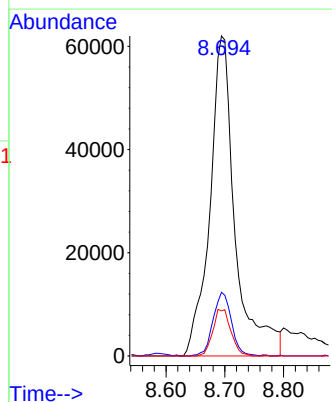
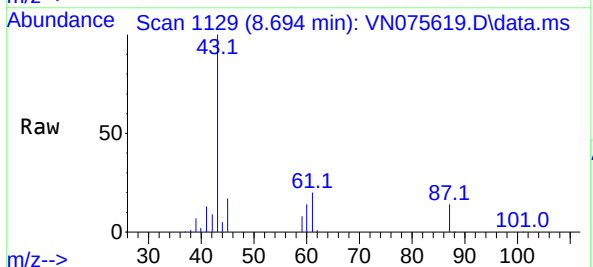
Instrument :
MSVOA_N
ClientSampleId :
2997

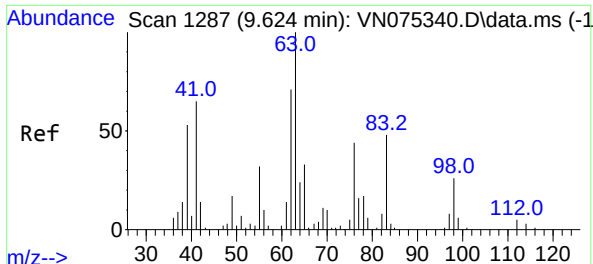
Tgt Ion: 62 Resp: 737
Ion Ratio Lower Upper
62 100
98 0.0 0.0 18.2



#43
Isopropyl Acetate
Concen: 45.852 ug/l
RT: 8.694 min Scan# 1129
Delta R.T. 0.006 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

Tgt Ion: 43 Resp: 185035
Ion Ratio Lower Upper
43 100
61 14.5 22.4 33.6#
87 10.4 12.5 18.7#





#45

1,2-Dichloropropane

Concen: 0.578 ug/l

RT: 9.741 min Scan# 1178

Delta R.T. 0.117 min

Lab File: VN075619.D

Acq: 07 Dec 2022 20:19

Instrument :

MSVOA_N

ClientSampleId :

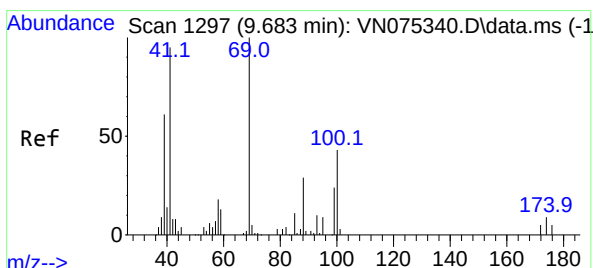
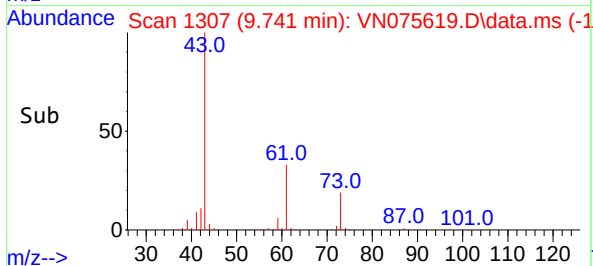
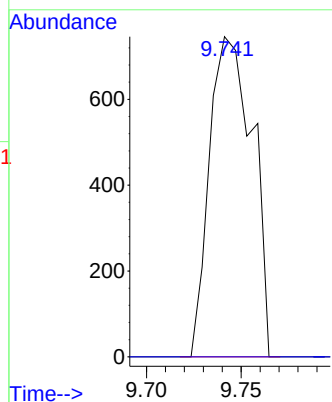
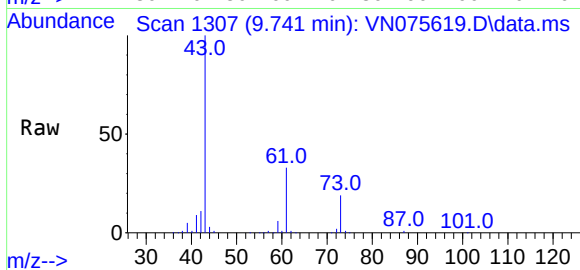
2997

Tgt Ion: 63 Resp: 1178

Ion Ratio Lower Upper

63 100

65 0.0 26.1 39.1#



#48

Methyl methacrylate

Concen: 1.748 ug/l

RT: 9.671 min Scan# 1295

Delta R.T. -0.012 min

Lab File: VN075619.D

Acq: 07 Dec 2022 20:19

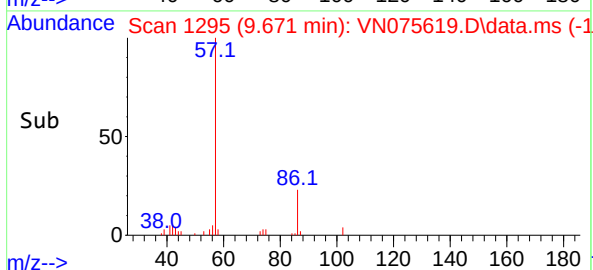
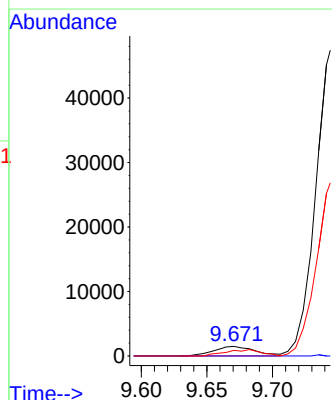
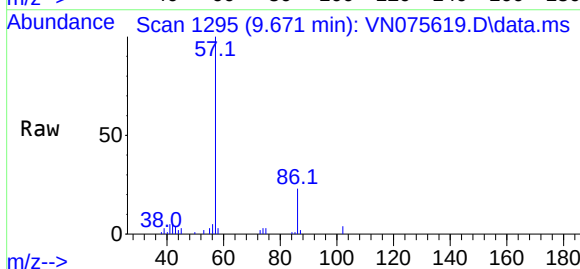
Tgt Ion: 41 Resp: 3262

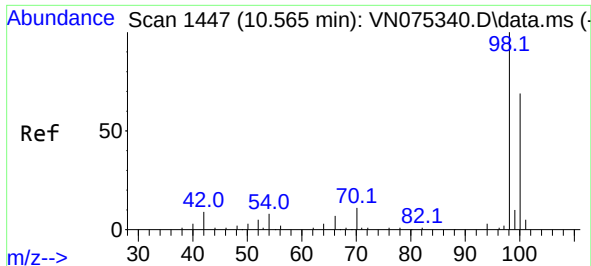
Ion Ratio Lower Upper

41 100

69 0.0 80.2 120.2#

39 56.5 56.2 84.2

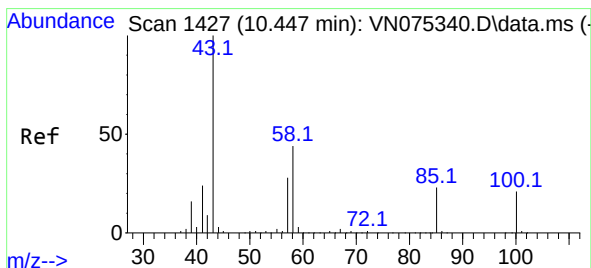
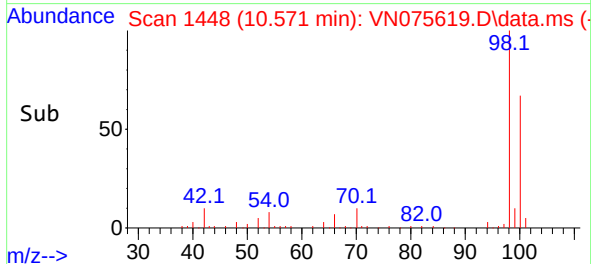
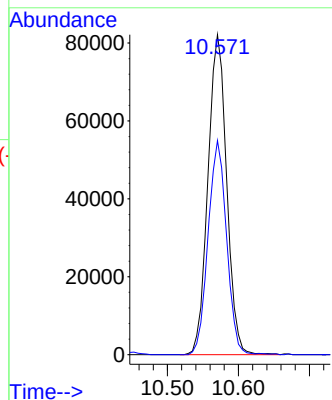
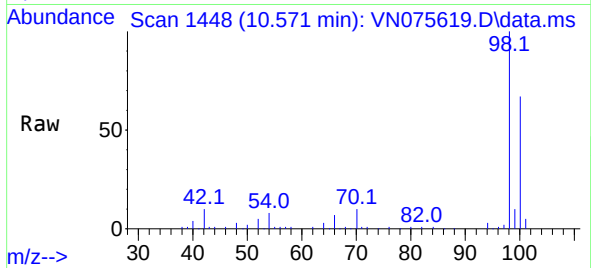




#50
Toluene-d8
Concen: 52.214 ug/l
RT: 10.571 min Scan# 1447
Delta R.T. 0.006 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

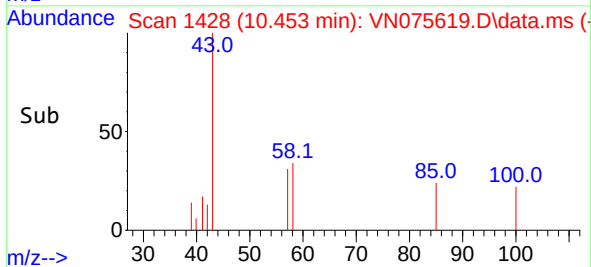
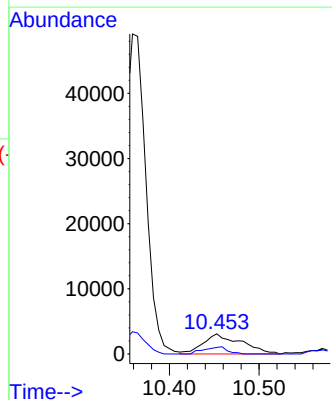
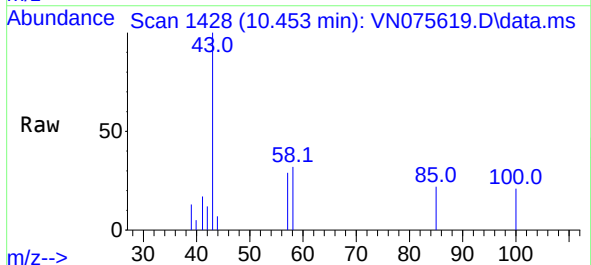
Instrument :
MSVOA_N
ClientSampleId :
2997

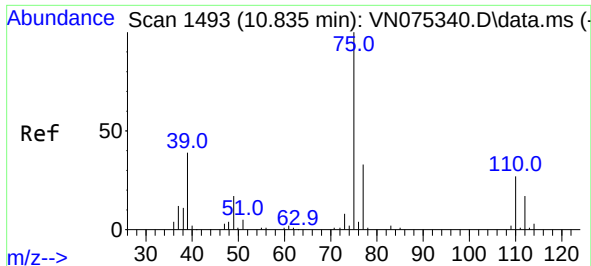
Tgt Ion: 98 Resp: 150569
Ion Ratio Lower Upper
98 100
100 66.1 53.0 79.6



#51
4-Methyl-2-Pentanone
Concen: 3.538 ug/l
RT: 10.453 min Scan# 1428
Delta R.T. 0.006 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

Tgt Ion: 43 Resp: 9094
Ion Ratio Lower Upper
43 100
58 21.9 33.6 50.4#

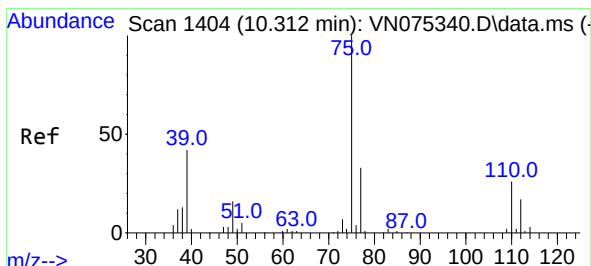
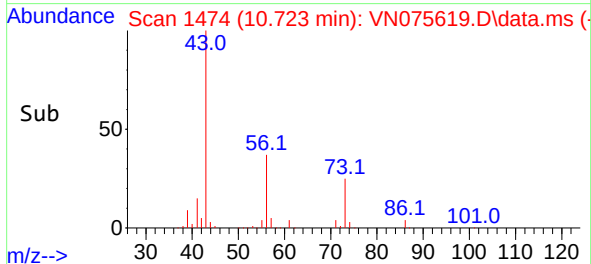
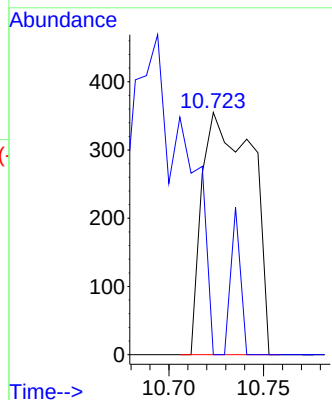
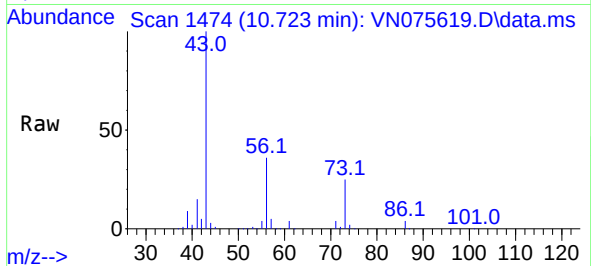




#53
t-1,3-Dichloropropene
Concen: 0.217 ug/l
RT: 10.723 min Scan# 1412
Delta R.T. -0.112 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

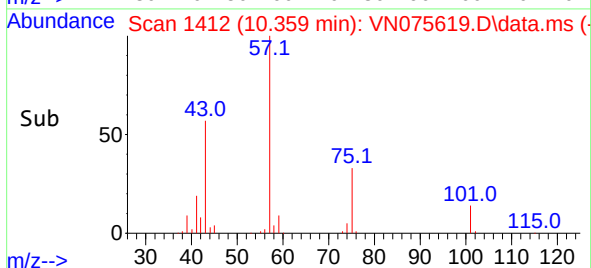
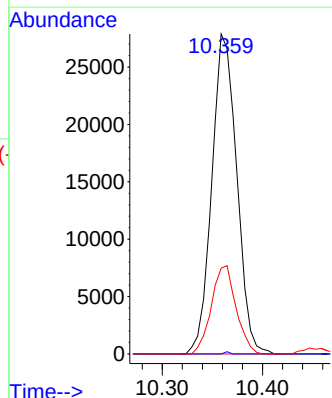
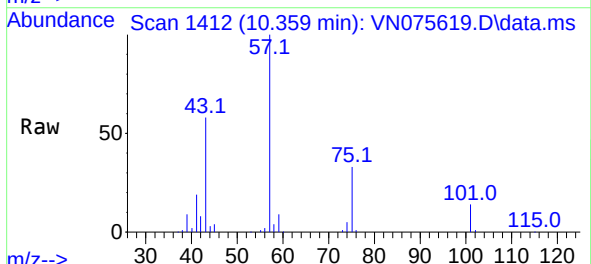
Instrument :
MSVOA_N
ClientSampleId :
2997

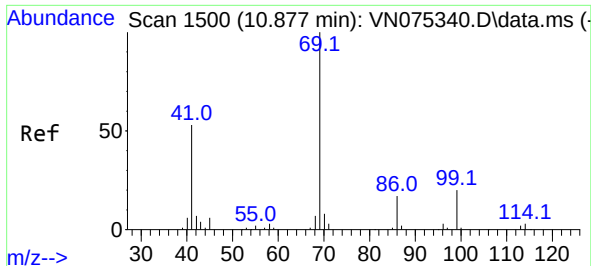
Tgt Ion: 75 Resp: 650
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.2#



#54
cis-1,3-Dichloropropene
Concen: 14.801 ug/l
RT: 10.359 min Scan# 1412
Delta R.T. 0.047 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

Tgt Ion: 75 Resp: 48156
Ion Ratio Lower Upper
75 100
77 0.0 23.7 35.5#
39 26.8 35.8 53.6#

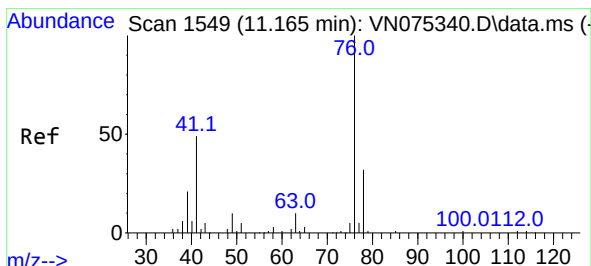
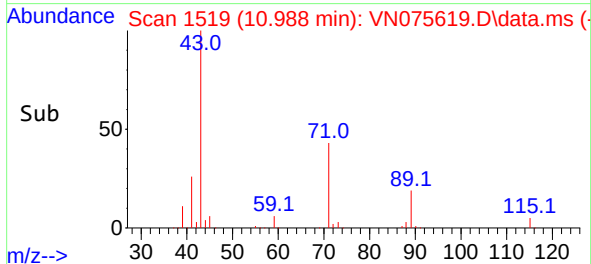
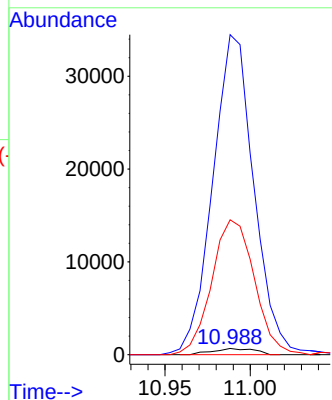
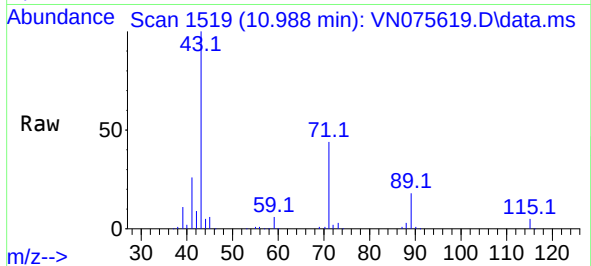




#56
Ethyl methacrylate
Concen: 0.374 ug/l
RT: 10.988 min Scan# 11
Delta R.T. 0.111 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

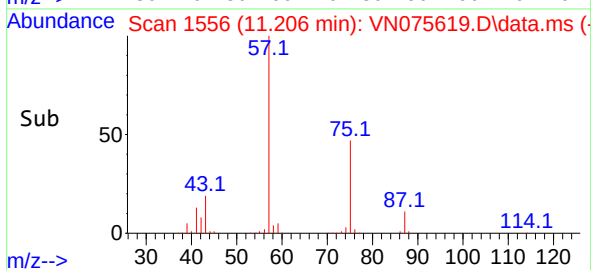
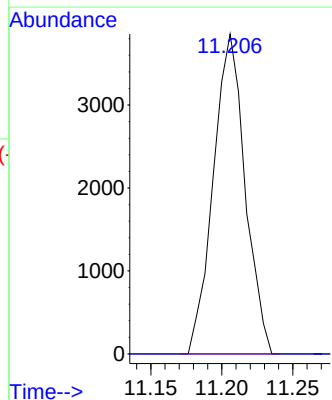
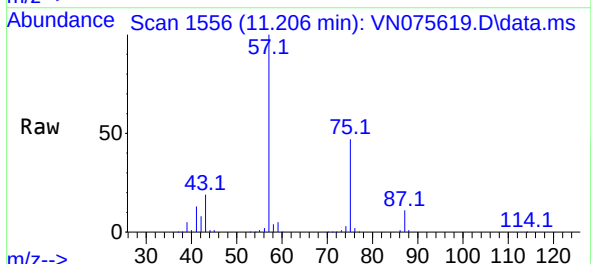
Instrument :
MSVOA_N
ClientSampleId :
2997

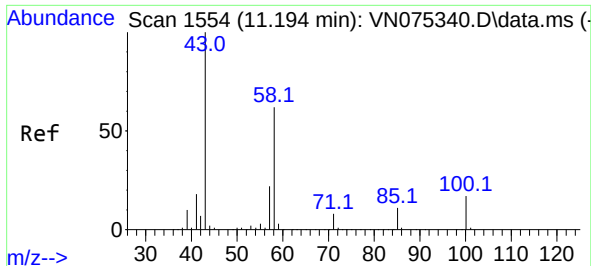
Tgt Ion: 69 Resp: 1133
Ion Ratio Lower Upper
69 100
41 5130.6 45.6 68.4#
39 2232.0 28.5 42.7#



#57
1,3-Dichloropropane
Concen: 1.640 ug/l
RT: 11.206 min Scan# 1556
Delta R.T. 0.041 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

Tgt Ion: 76 Resp: 5998
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

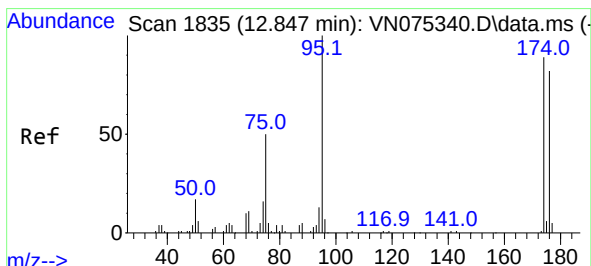
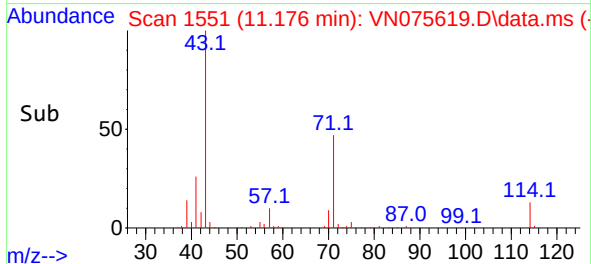
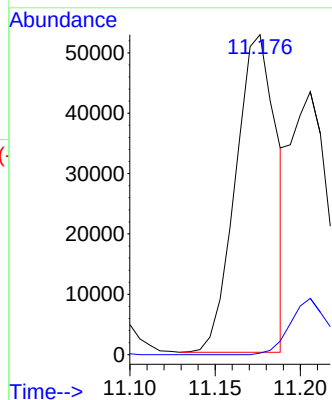
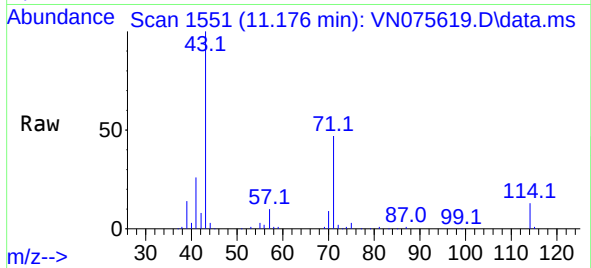




#59
2-Hexanone
Concen: 45.211 ug/l
RT: 11.176 min Scan# 11
Delta R.T. -0.018 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

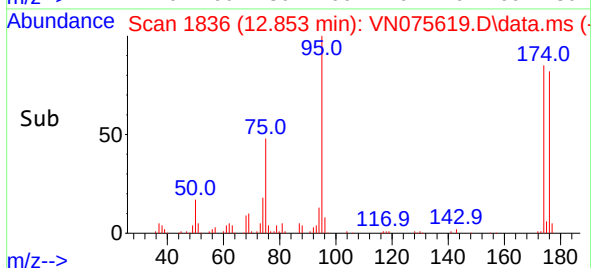
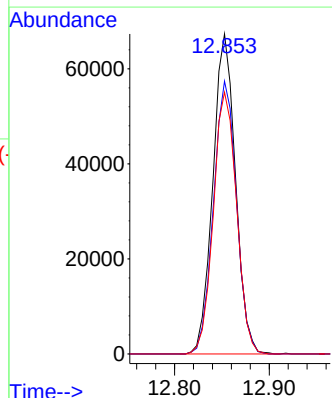
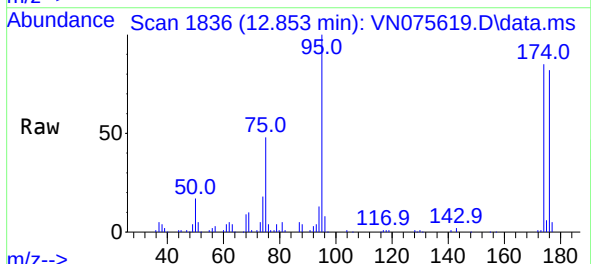
Instrument :
MSVOA_N
ClientSampleId :
2997

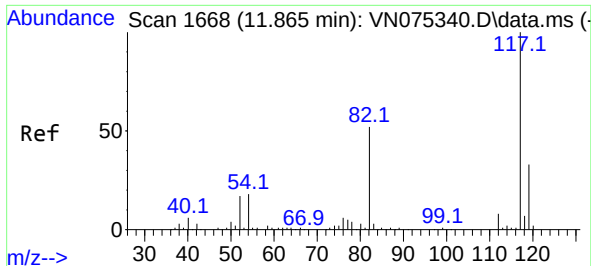
Tgt Ion: 43 Resp: 87257
Ion Ratio Lower Upper
43 100
58 0.0 29.6 88.8#



#62
4-Bromofluorobenzene
Concen: 52.354 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. 0.006 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

Tgt Ion: 95 Resp: 111433
Ion Ratio Lower Upper
95 100
174 86.9 0.0 147.4
176 84.2 0.0 142.2

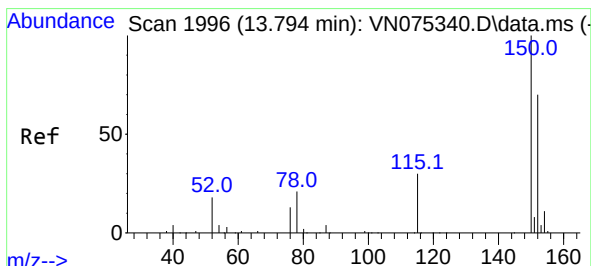
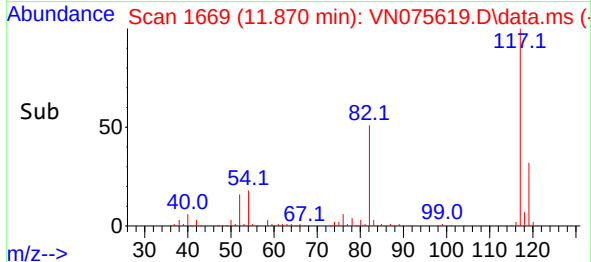
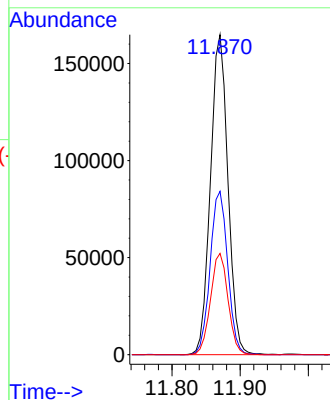
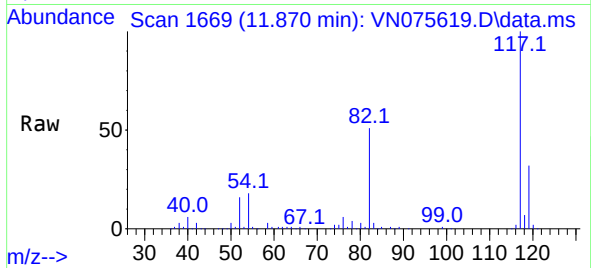




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1669
Delta R.T. 0.005 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

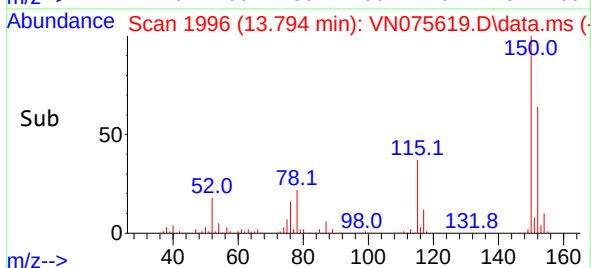
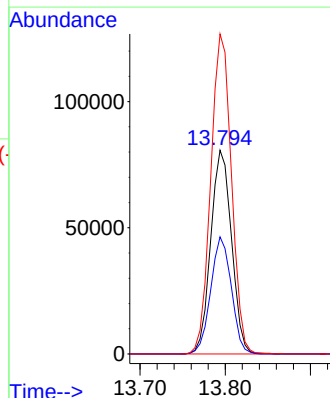
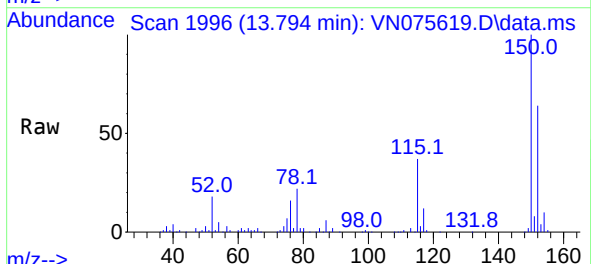
Instrument :
MSVOA_N
ClientSampleId :
2997

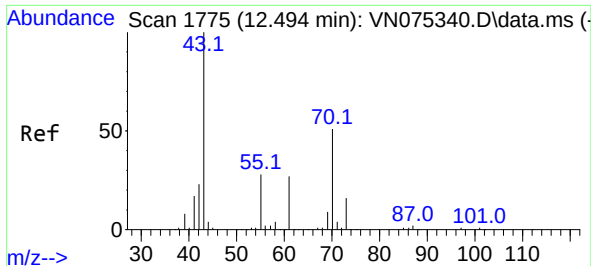
Tgt Ion:117 Resp: 294211
Ion Ratio Lower Upper
117 100
82 51.0 43.1 64.7
119 31.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 1996
Delta R.T. -0.000 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

Tgt Ion:152 Resp: 137020
Ion Ratio Lower Upper
152 100
115 56.9 30.2 90.6
150 156.1 0.0 348.4

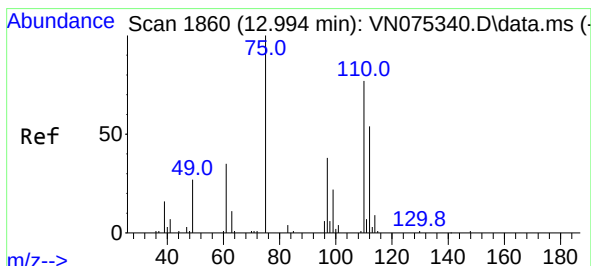
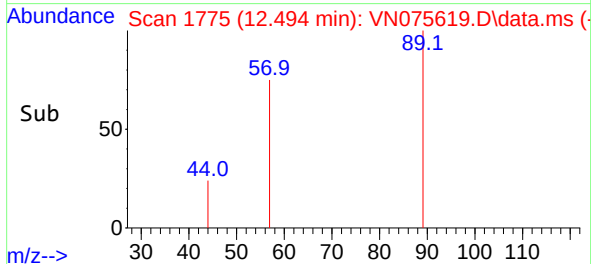
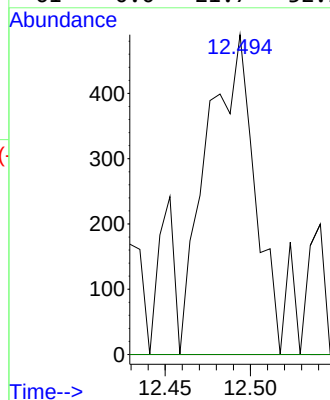
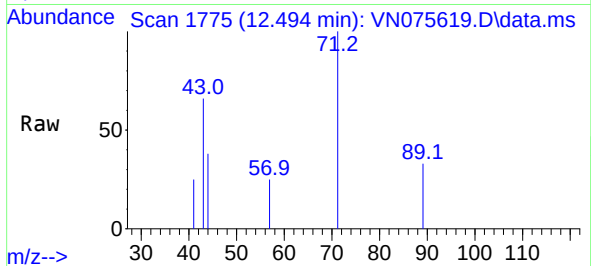




#74
N-amy1 acetate
Concen: 0.311 ug/l
RT: 12.494 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

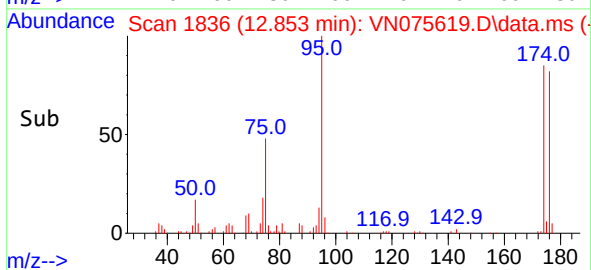
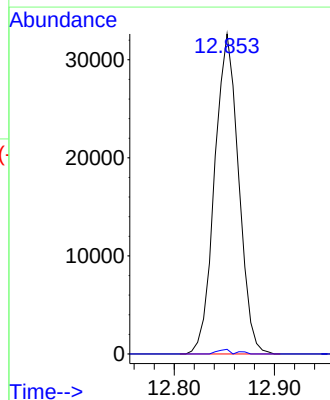
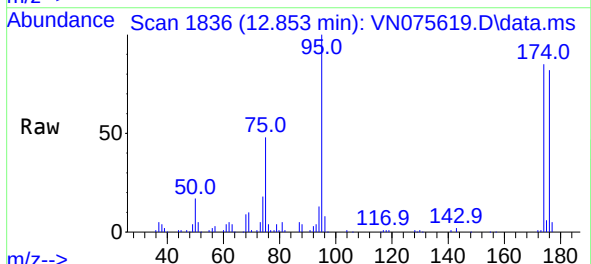
Instrument :
MSVOA_N
ClientSampleId :
2997

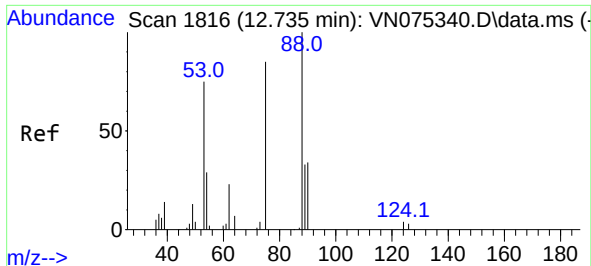
Tgt Ion: 43	Resp:	958
Ion	Ratio	Lower Upper
43	100	
70	0.0	39.8 59.8#
55	0.0	19.9 29.9#
61	0.0	21.7 32.5#



#76
1,2,3-Trichloropropane
Concen: 20.953 ug/l
RT: 12.853 min Scan# 1836
Delta R.T. -0.141 min
Lab File: VN075619.D
Acq: 07 Dec 2022 20:19

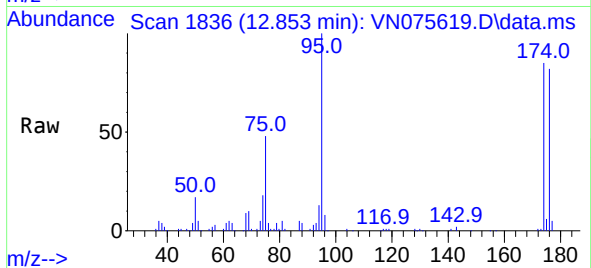
Tgt Ion: 75	Resp:	54282
Ion	Ratio	Lower Upper
75	100	
77	1.0	75.6 226.8#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.994 ug/l
 RT: 12.853 min Scan# 11
 Delta R.T. 0.118 min
 Lab File: VN075619.D
 Acq: 07 Dec 2022 20:19

Instrument :
 MSVOA_N
 ClientSampleId :
 2997



Tgt Ion: 75 Resp: 54282
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.5 117.7#
 89 0.0 37.7 56.5#

