

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU072524\
 Data File : VU060169.D
 Acq On : 25 Jul 2024 13:26
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 26 02:34:52 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 18 02:31:59 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	251105	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	248344	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	122898	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	87573	54.317	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	108.640%
7) Chloroethane-d5	1.907	69	66666	49.159	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.320%
11) 1,1-Dichloroethene-d2	2.563	63	128763	44.955	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	89.900%
21) 2-Butanone-d5	4.618	46	112276	100.205	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.210%
24) Chloroform-d	5.055	84	138361	44.315	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.640%
26) 1,2-Dichloroethane-d4	5.695	65	82156	44.255	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.500%
32) Benzene-d6	5.721	84	284004	44.659	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.320%
36) 1,2-Dichloropropane-d6	6.685	67	93033	47.268	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.540%
41) Toluene-d8	7.894	98	256413	42.399	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.800%
43) trans-1,3-Dichloroprop...	8.174	79	39456	42.840	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.680%
47) 2-Hexanone-d5	8.627	63	73135	88.169	ug/L	-0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	88.170%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	140173	46.400	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.800%
66) 1,2-Dichlorobenzene-d4	12.190	152	89017	39.417	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	78.840%#
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	62857	40.306	ug/L	99
3) Chloromethane	1.518	50	75452	49.304	ug/L	95
5) Vinyl chloride	1.602	62	83973	46.743	ug/L	100
6) Bromomethane	1.850	94	52734	55.884	ug/L	96
8) Chloroethane	1.927	64	52940	45.265	ug/L	96
9) Trichlorofluoromethane	2.132	101	111679	44.653	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	72406	45.481	ug/L	96
12) 1,1-Dichloroethene	2.573	96	62404	41.913	ug/L	99
13) Acetone	2.621	43	101560	88.024	ug/L	96
14) Carbon disulfide	2.788	76	142304	37.869	ug/L	100
15) Methyl Acetate	2.943	43	94963	54.591	ug/L	92
16) Methylene chloride	3.039	84	83328	44.383	ug/L	92
17) trans-1,2-Dichloroethene	3.348	96	64602	42.146	ug/L	98
18) Methyl tert-butyl Ether	3.354	73	223449	44.883	ug/L	97
19) 1,1-Dichloroethane	3.859	63	143450	49.344	ug/L	98
20) cis-1,2-Dichloroethene	4.660	96	81000	43.640	ug/L	96
22) 2-Butanone	4.695	43	139323	98.147	ug/L	97
23) Bromochloromethane	4.968	128	41546	42.437	ug/L	88
25) Chloroform	5.081	83	150035	47.960	ug/L	97

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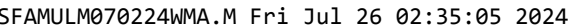
Instrument :
 MSVOA_U
 ClientSampleId :

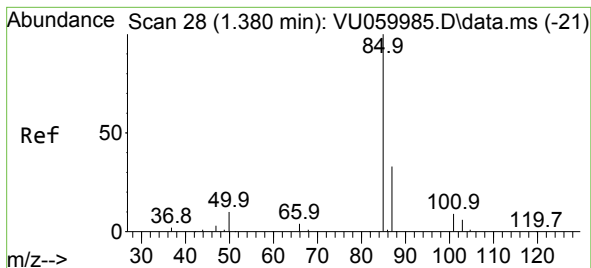
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	107614	45.313	ug/L	100
29) Cyclohexane	5.383	56	96032	43.186	ug/L	93
30) 1,1,1-Trichloroethane	5.309	97	115323	44.825	ug/L	99
31) Carbon tetrachloride	5.518	117	95792	45.075	ug/L	98
33) Benzene	5.769	78	321518	47.943	ug/L	100
34) Trichloroethene	6.537	95	80144	44.783	ug/L	96
35) Methylcyclohexane	6.756	83	101963	41.254	ug/L	94
37) 1,2-Dichloropropane	6.785	63	94387	51.133	ug/L	99
38) Bromodichloromethane	7.100	83	112983	48.306	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	128445	45.480	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	244414	104.762	ug/L	98
42) Toluene	7.965	91	339933	46.431	ug/L	99
44) trans-1,3-Dichloropropene	8.206	75	119680	46.134	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	91539	47.352	ug/L	98
46) Tetrachloroethene	8.550	164	56432	38.331	ug/L	95
48) 2-Hexanone	8.679	43	204520	104.744	ug/L	98
49) Dibromochloromethane	8.804	129	87566	45.972	ug/L	97
50) 1,2-Dibromoethane	8.917	107	91075	45.059	ug/L	100
51) Chlorobenzene	9.441	112	214390	44.110	ug/L	98
52) Ethylbenzene	9.566	91	349642	44.721	ug/L	97
53) m,p-Xylene	9.688	106	130591	42.899	ug/L	93
54) o-Xylene	10.097	106	128547	43.914	ug/L	94
55) Styrene	10.110	104	233167	47.214	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	162672	49.898	ug/L	98
59) Bromoform	10.287	173	69950	47.073	ug/L	99
60) 1,2,3-Trichloropropane	10.817	75	122701	52.607	ug/L	97
61) Isopropylbenzene	10.479	105	341597	47.683	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	240400	45.839	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	258873	46.083	ug/L	97
64) 1,3-Dichlorobenzene	11.740	146	166976	44.942	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	172144	44.820	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	170198	45.347	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	33155	51.978	ug/L	92
69) 1,3,5-Trichlorobenzene	13.216	180	114557	42.766	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	98422	40.765	ug/L	99
71) Naphthalene	14.081	128	314623	45.093	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	108321	44.717	ug/L	99

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

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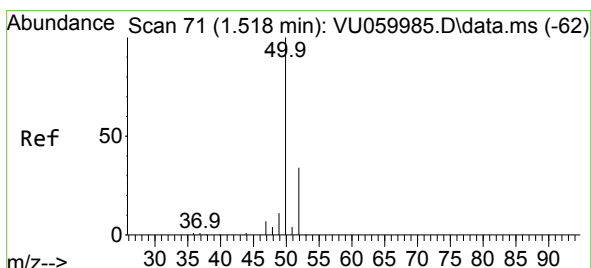
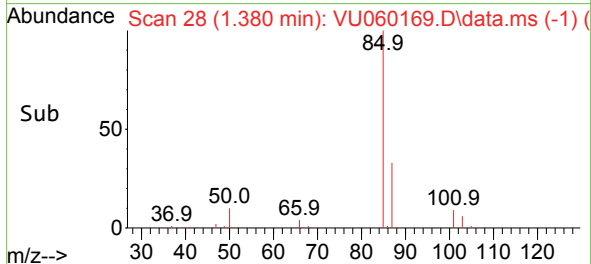
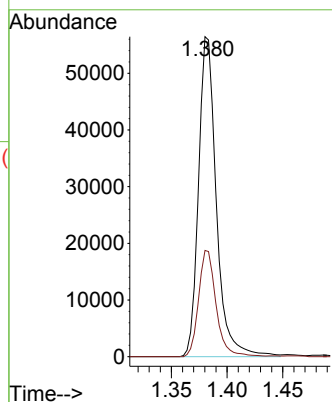
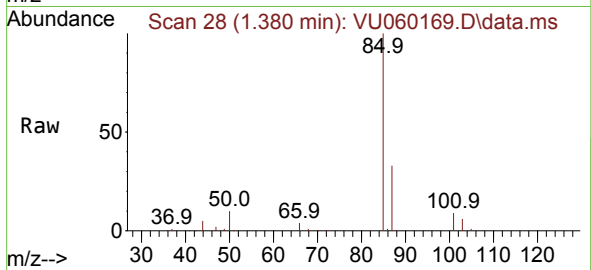




#2
 Dichlorodifluoromethane
 Concen: 40.306 ug/L
 RT: 1.380 min Scan# 28
 Delta R.T. 0.000 min
 Lab File: VU060169.D
 Acq: 25 Jul 2024 13:26

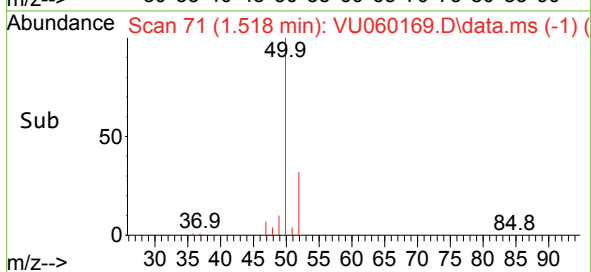
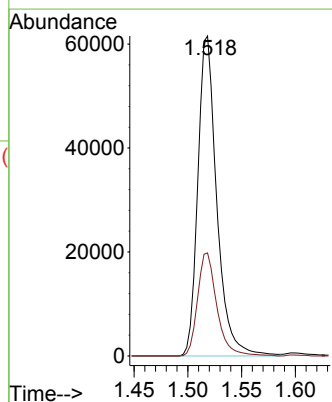
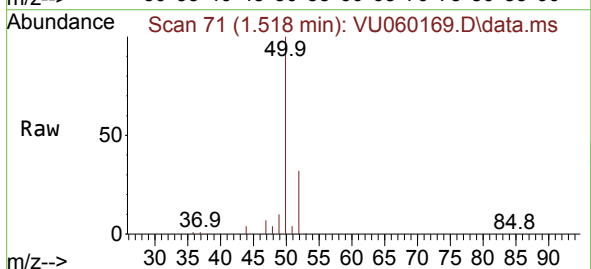
Instrument :
 MSVOA_U
 ClientSampleId :

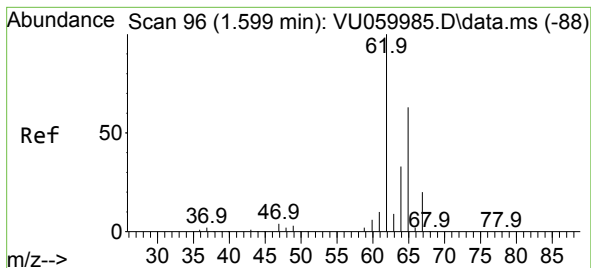
Tgt Ion: 85 Resp: 62857
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.4 38.2



#3
 Chloromethane
 Concen: 49.304 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU060169.D
 Acq: 25 Jul 2024 13:26

Tgt Ion: 50 Resp: 75452
 Ion Ratio Lower Upper
 50 100
 52 32.2 24.5 45.5





#5

Vinyl chloride

Concen: 46.743 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU060169.D

Acq: 25 Jul 2024 13:26

Instrument :

MSVOA_U

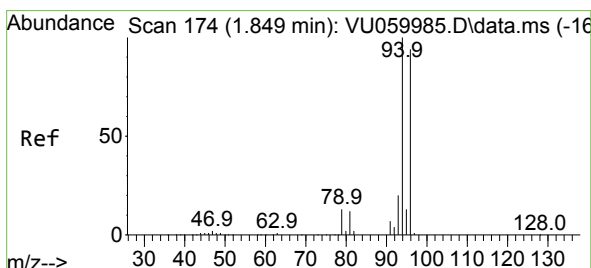
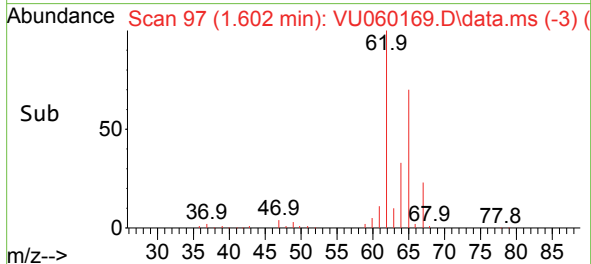
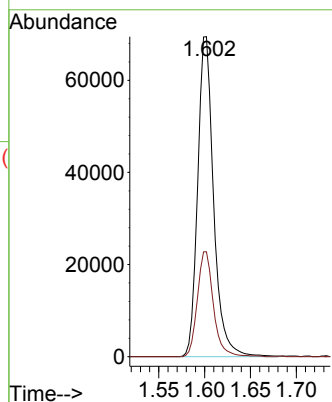
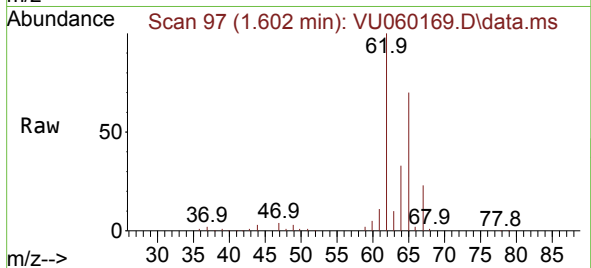
ClientSampleId :

Tgt Ion: 62 Resp: 83973

Ion Ratio Lower Upper

62 100

64 32.8 22.9 42.5



#6

Bromomethane

Concen: 55.884 ug/L

RT: 1.850 min Scan# 174

Delta R.T. 0.000 min

Lab File: VU060169.D

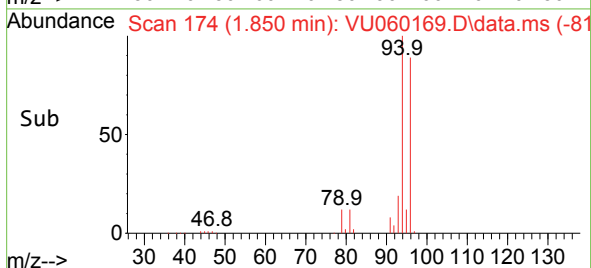
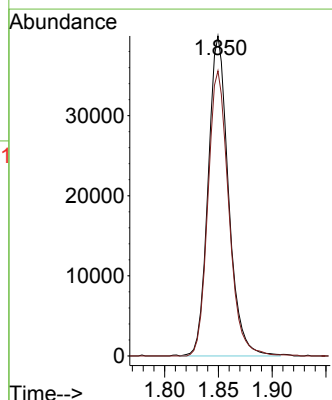
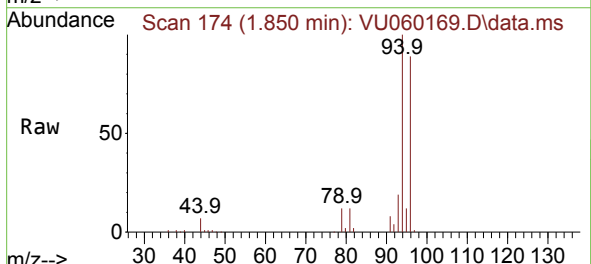
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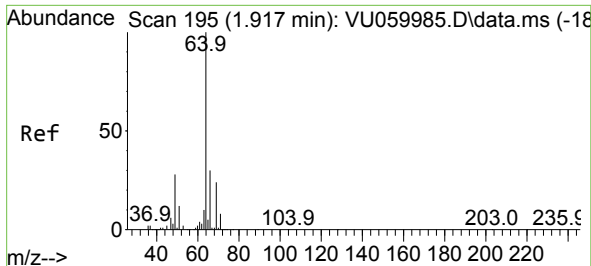
Tgt Ion: 94 Resp: 52734

Ion Ratio Lower Upper

94 100

96 89.1 65.2 121.2

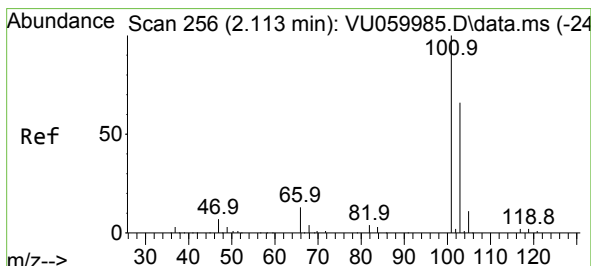
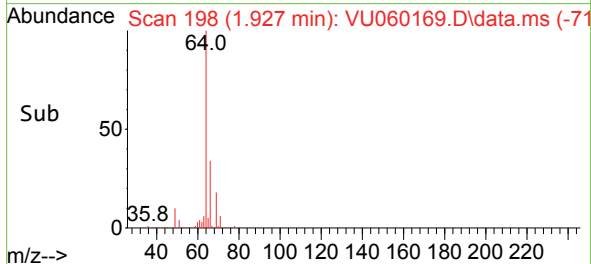
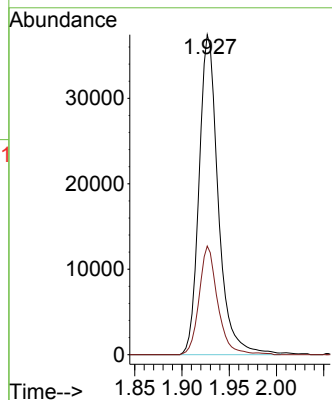
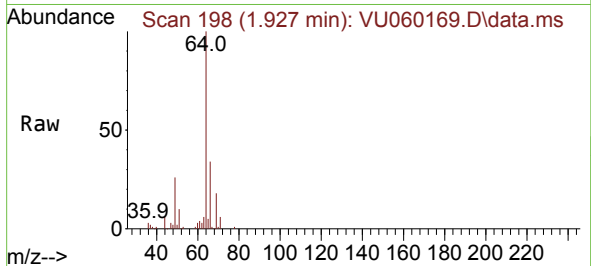




#8
Chloroethane
Concen: 45.265 ug/L
RT: 1.927 min Scan# 195
Delta R.T. 0.010 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

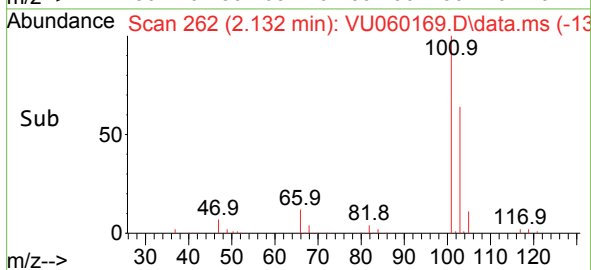
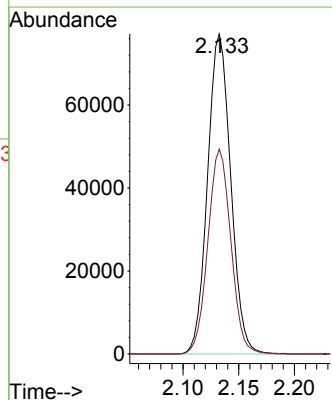
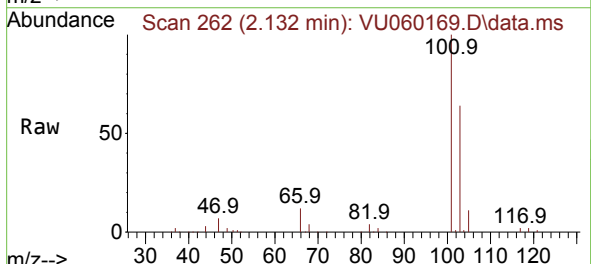
Instrument :
MSVOA_U
ClientSampleId :

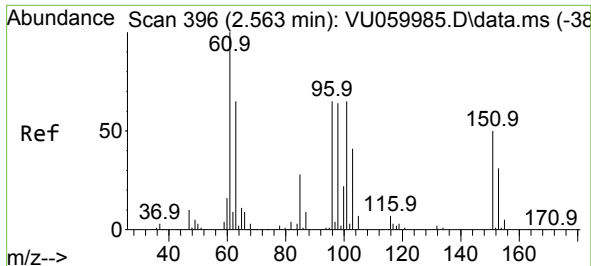
Tgt Ion: 64 Resp: 52940
Ion Ratio Lower Upper
64 100
66 34.0 22.3 41.3



#9
Trichlorofluoromethane
Concen: 44.653 ug/L
RT: 2.132 min Scan# 262
Delta R.T. 0.019 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

Tgt Ion:101 Resp: 111679
Ion Ratio Lower Upper
101 100
103 63.4 52.3 78.5

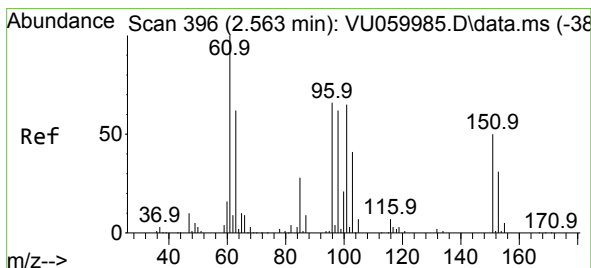
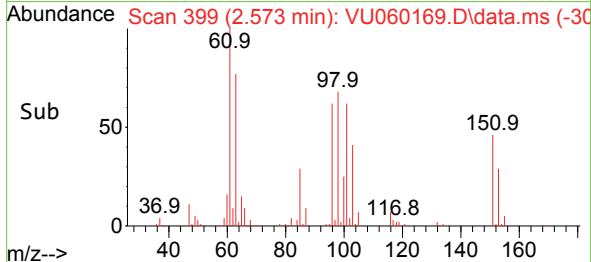
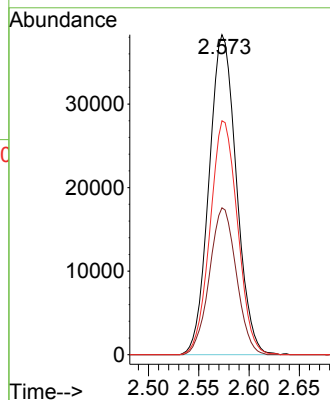
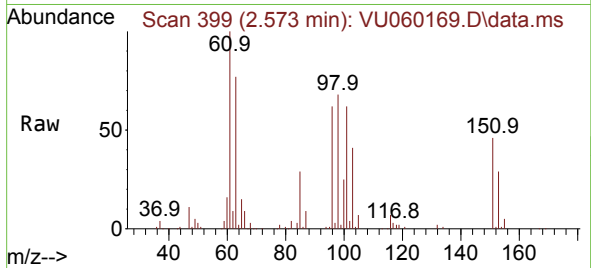




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 45.481 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.010 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

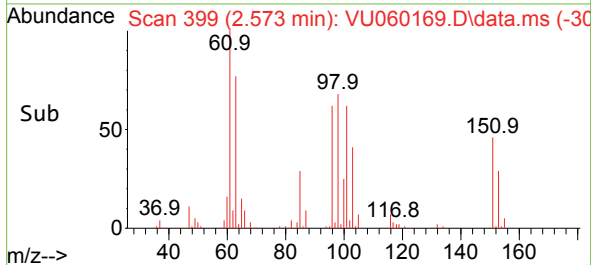
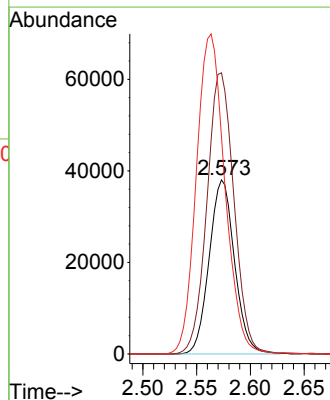
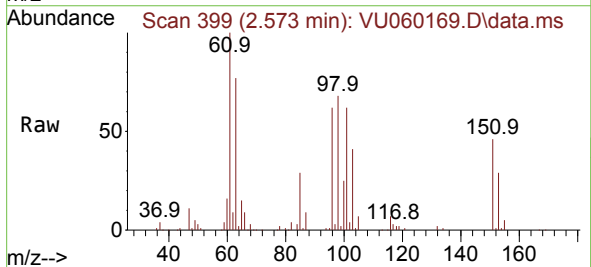
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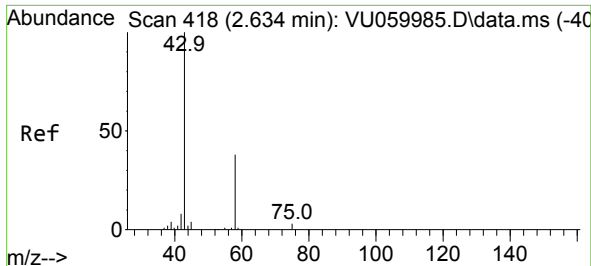
Tgt Ion:101 Resp: 72406
Ion Ratio Lower Upper
101 100
85 45.1 34.8 52.2
151 73.5 62.3 93.5



#12
1,1-Dichloroethene
Concen: 41.913 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.010 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

Tgt Ion: 96 Resp: 62404
Ion Ratio Lower Upper
96 100
61 161.5 112.2 208.4
63 124.9 87.4 162.2





#13

Acetone

Concen: 88.024 ug/L

RT: 2.621 min Scan# 41

Delta R.T. -0.013 min

Lab File: VU060169.D

Acq: 25 Jul 2024 13:26

Instrument :

MSVOA_U

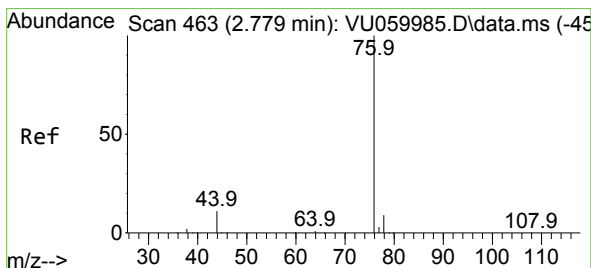
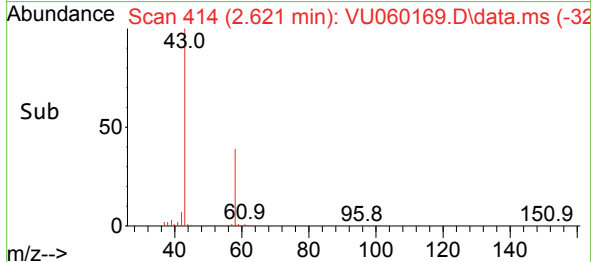
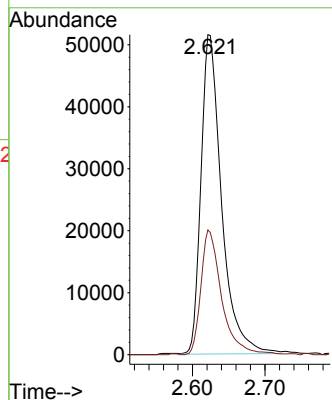
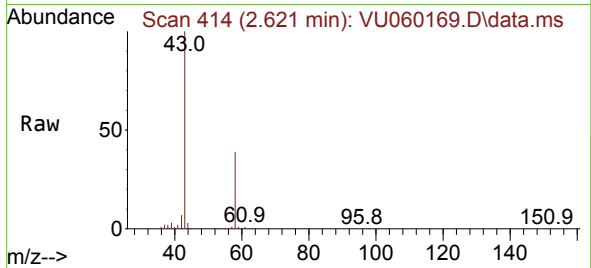
ClientSampleId :

Tgt Ion: 43 Resp: 101560

Ion Ratio Lower Upper

43 100

58 39.3 0.0 73.8



#14

Carbon disulfide

Concen: 37.869 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.010 min

Lab File: VU060169.D

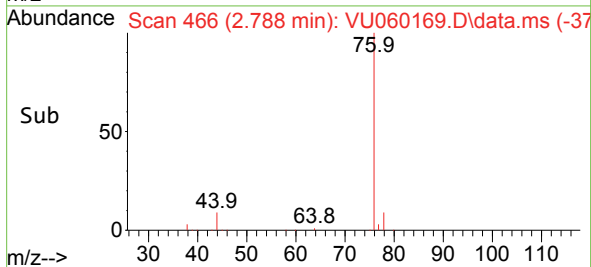
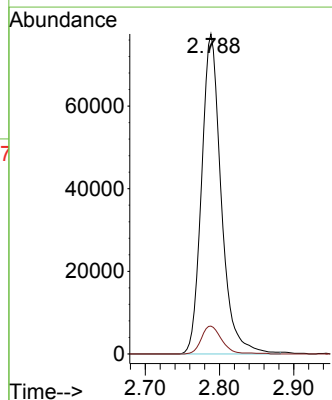
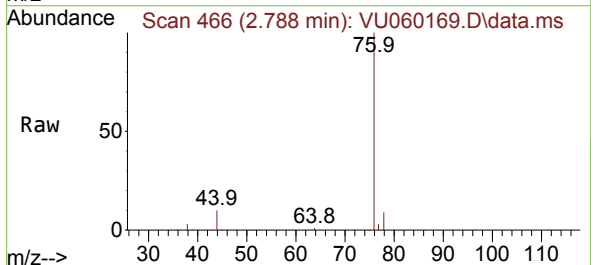
Acq: 25 Jul 2024 13:26

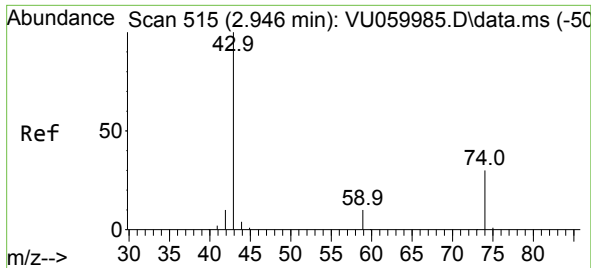
Tgt Ion: 76 Resp: 142304

Ion Ratio Lower Upper

76 100

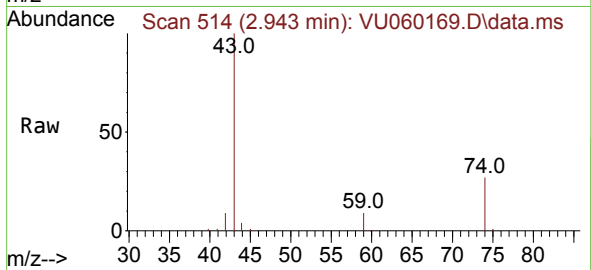
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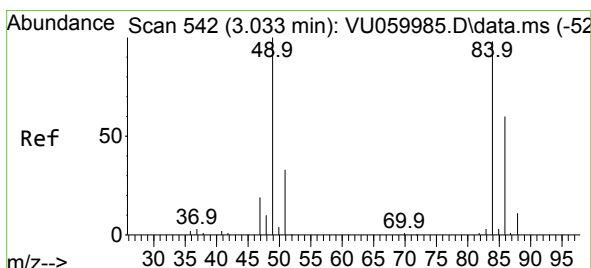
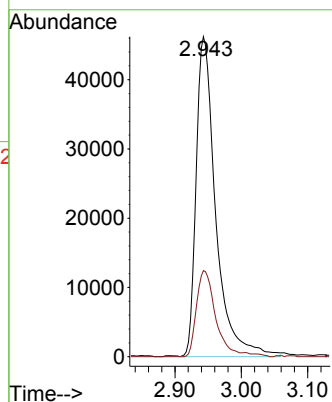
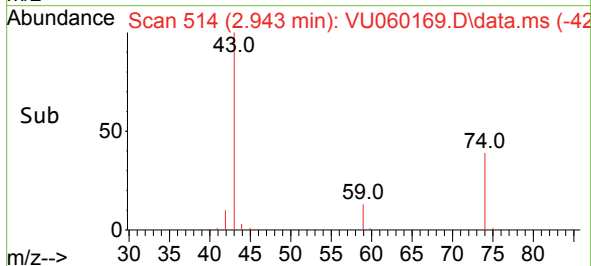


#15
Methyl Acetate
Concen: 54.591 ug/L
RT: 2.943 min Scan# 515
Delta R.T. -0.003 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

Instrument :
MSVOA_U
ClientSampleId :

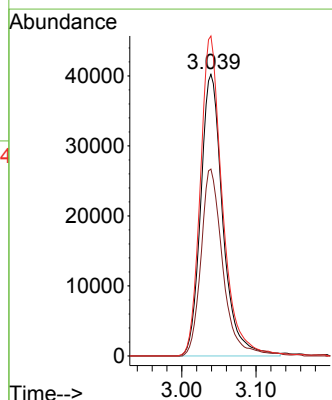
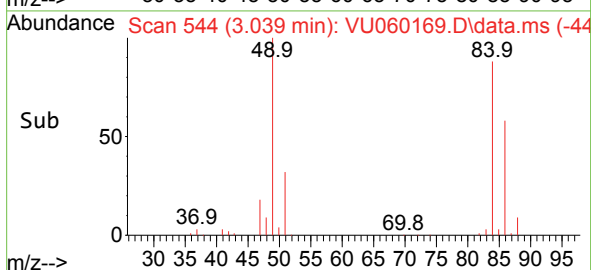
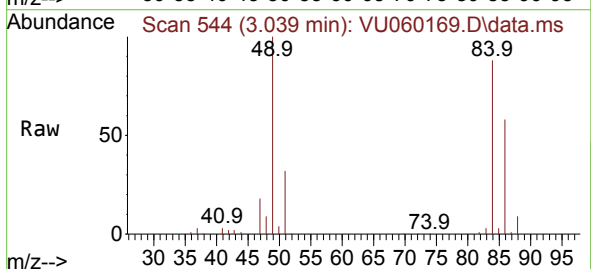


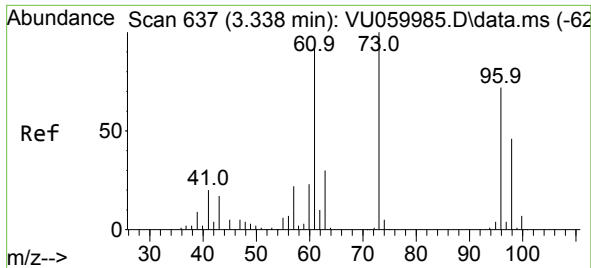
Tgt Ion: 43 Resp: 94963
Ion Ratio Lower Upper
43 100
74 25.9 24.1 36.1



#16
Methylene chloride
Concen: 44.383 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.007 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

Tgt Ion: 84 Resp: 83328
Ion Ratio Lower Upper
84 100
86 66.3 44.7 83.1
49 113.6 71.6 133.0

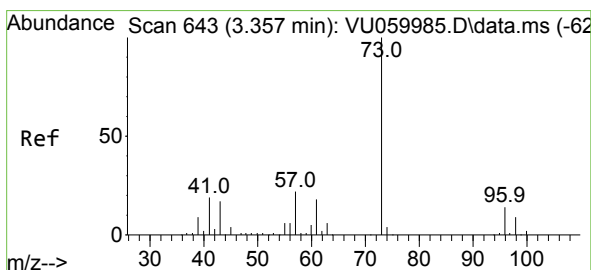
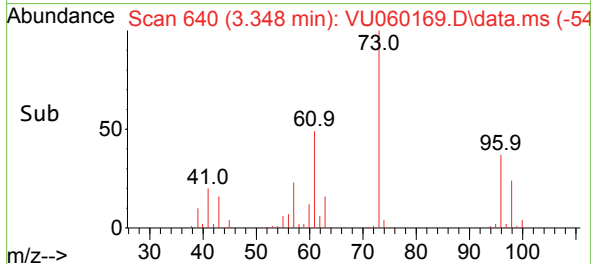
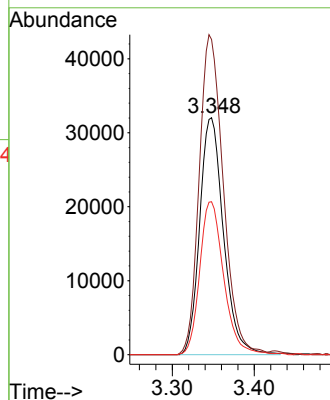
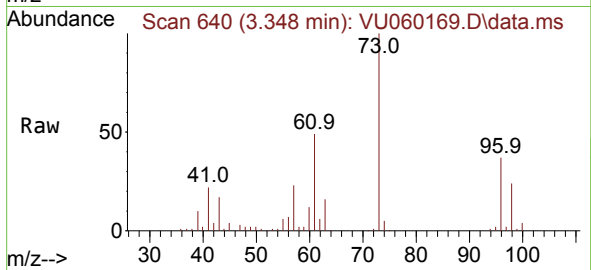




#17
trans-1,2-Dichloroethene
Concen: 42.146 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.010 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

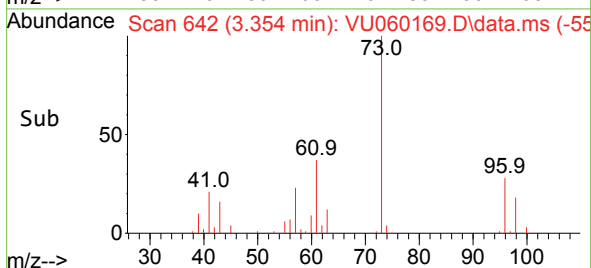
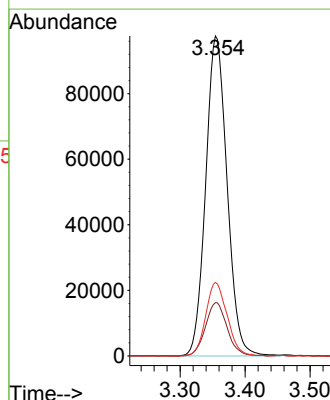
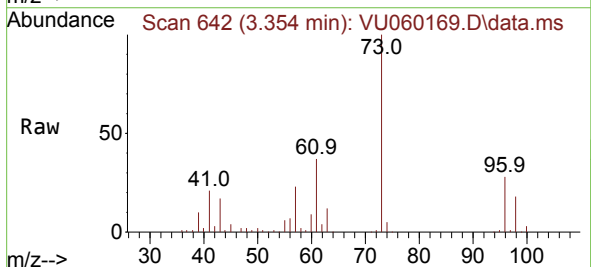
Instrument :
MSVOA_U
ClientSampleId :

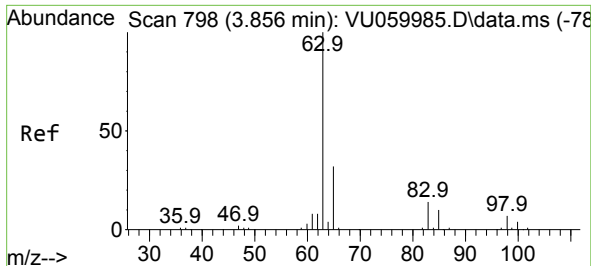
Tgt Ion: 96 Resp: 64602
Ion Ratio Lower Upper
96 100
61 133.0 90.6 168.3
98 64.6 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 44.883 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.003 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

Tgt Ion: 73 Resp: 223449
Ion Ratio Lower Upper
73 100
43 16.9 14.1 21.1
57 23.0 17.1 25.7





#19

1,1-Dichloroethane

Concen: 49.344 ug/L

RT: 3.859 min Scan# 798

Delta R.T. 0.003 min

Lab File: VU060169.D

Acq: 25 Jul 2024 13:26

Instrument :

MSVOA_U

ClientSampleId :

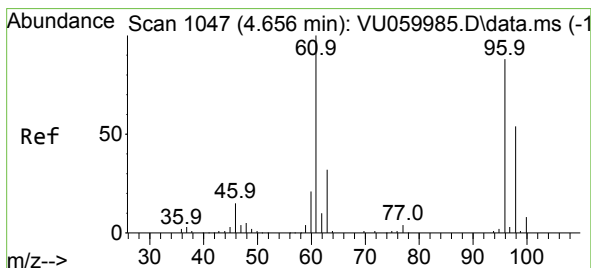
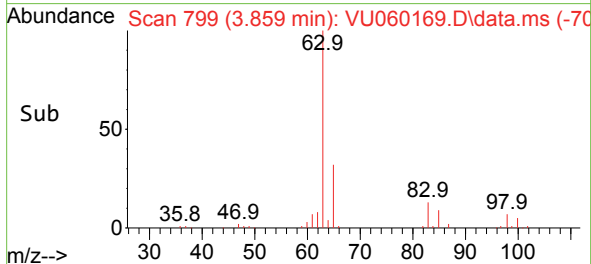
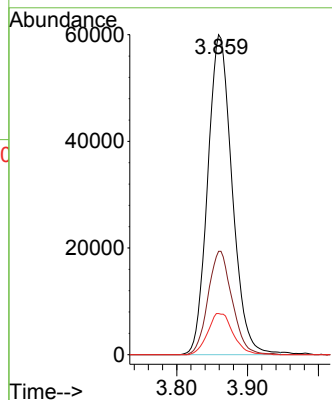
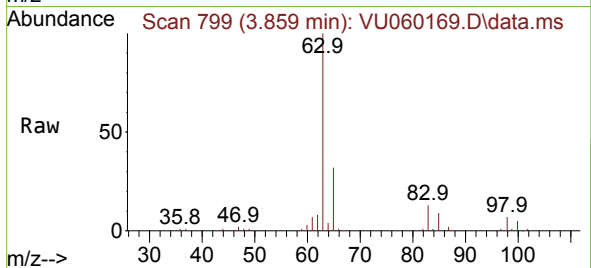
Tgt Ion: 63 Resp: 143450

Ion Ratio Lower Upper

63 100

65 32.3 23.3 43.3

83 12.8 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 43.640 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.003 min

Lab File: VU060169.D

Acq: 25 Jul 2024 13:26

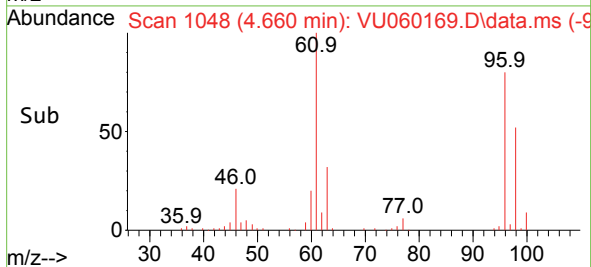
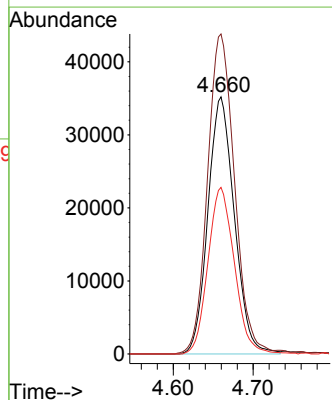
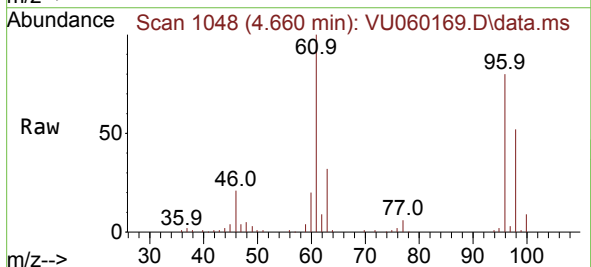
Tgt Ion: 96 Resp: 81000

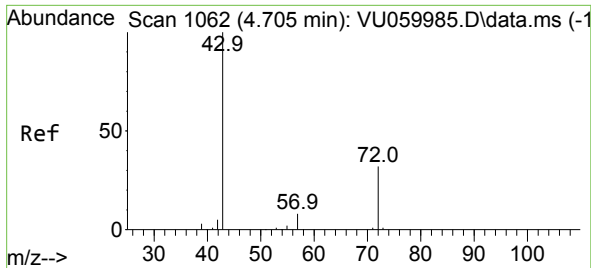
Ion Ratio Lower Upper

96 100

61 124.5 83.2 154.4

98 64.8 45.9 85.3

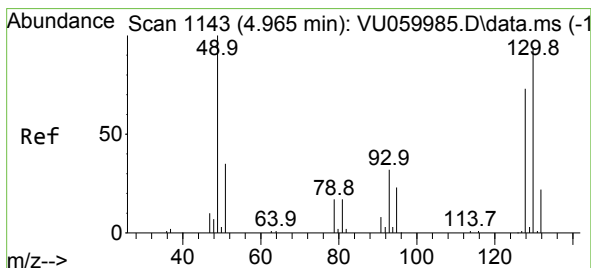
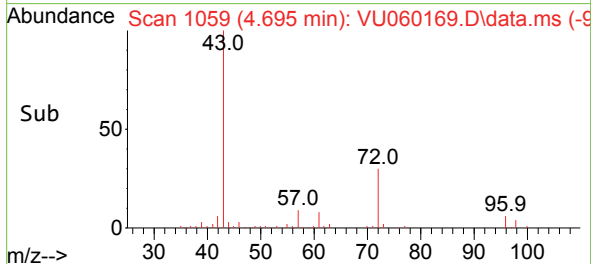
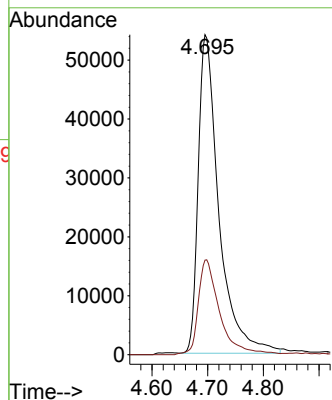
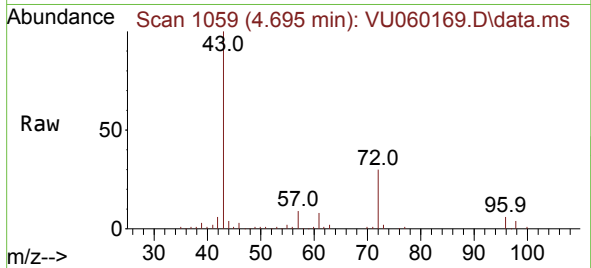




#22
2-Butanone
Concen: 98.147 ug/L
RT: 4.695 min Scan# 1059
Delta R.T. -0.010 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

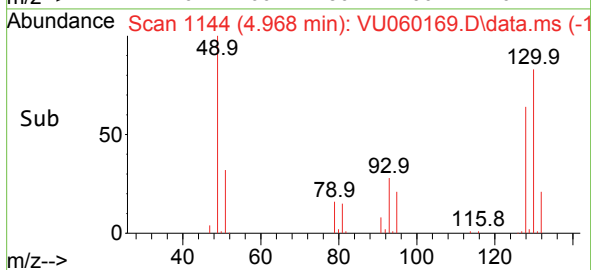
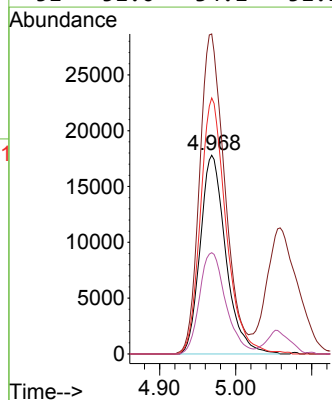
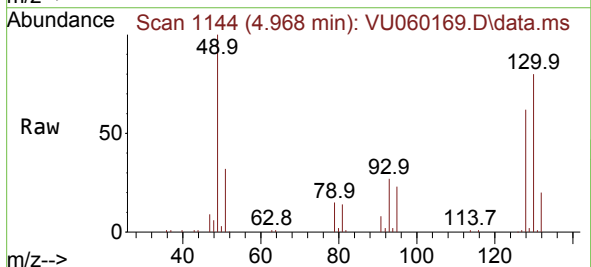
Instrument :
MSVOA_U
ClientSampleId :

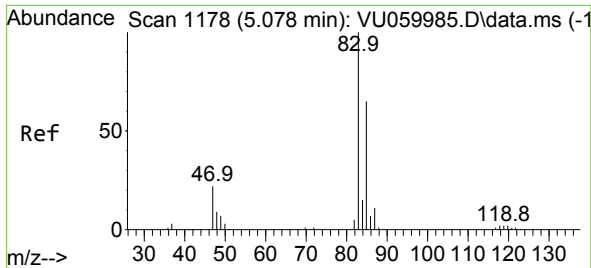
Tgt Ion: 43 Resp: 139323
Ion Ratio Lower Upper
43 100
72 30.8 16.4 49.2



#23
Bromochloromethane
Concen: 42.437 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. 0.003 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

Tgt Ion:128 Resp: 41546
Ion Ratio Lower Upper
128 100
49 161.0 96.7 179.7
130 128.9 86.3 160.3
51 51.0 34.1 51.1

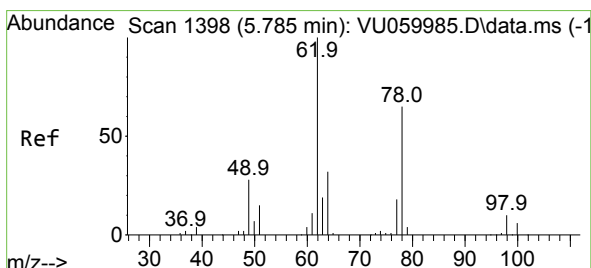
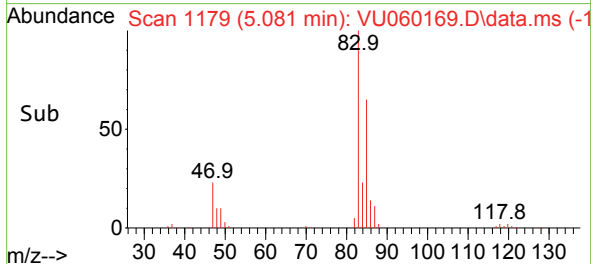
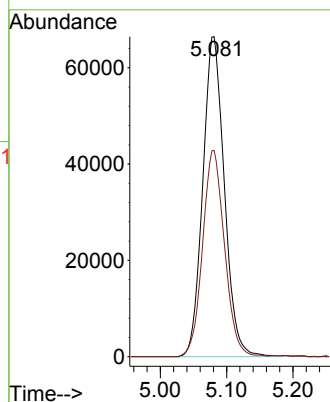
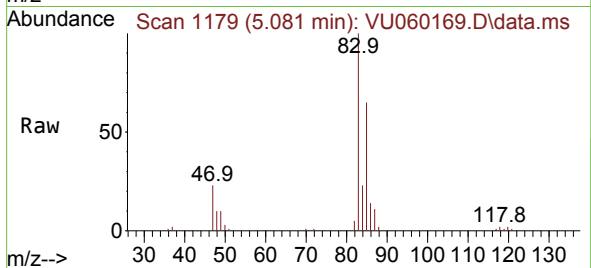




#25
Chloroform
Concen: 47.960 ug/L
RT: 5.081 min Scan# 1178
Delta R.T. 0.003 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

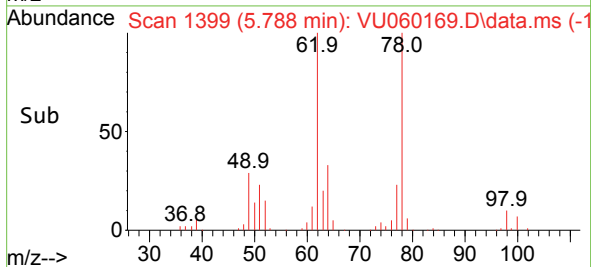
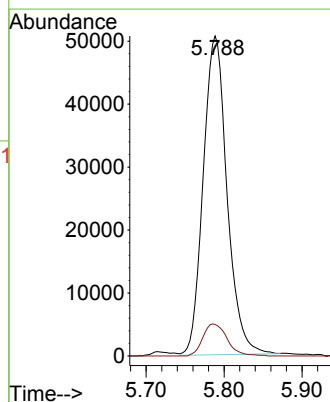
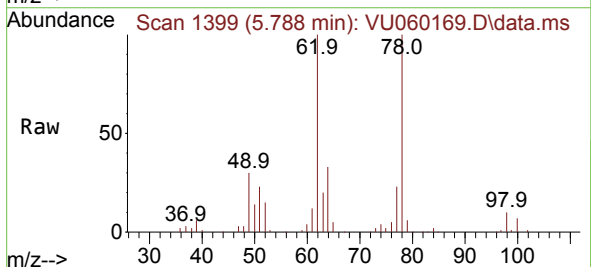
Instrument :
MSVOA_U
ClientSampleId :

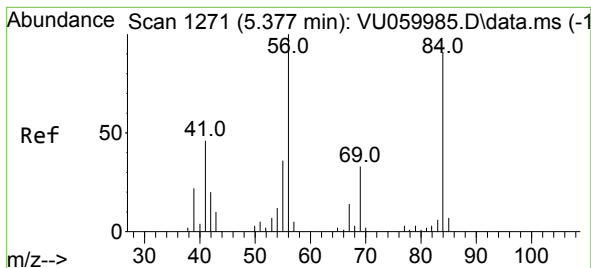
Tgt Ion: 83 Resp: 150035
Ion Ratio Lower Upper
83 100
85 64.5 46.7 86.7



#27
1,2-Dichloroethane
Concen: 45.313 ug/L
RT: 5.788 min Scan# 1399
Delta R.T. 0.003 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

Tgt Ion: 62 Resp: 107614
Ion Ratio Lower Upper
62 100
98 9.8 7.8 11.8





#29

Cyclohexane

Concen: 43.186 ug/L

RT: 5.383 min Scan# 1

Delta R.T. 0.007 min

Lab File: VU060169.D

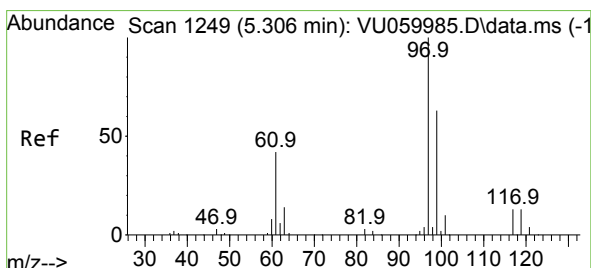
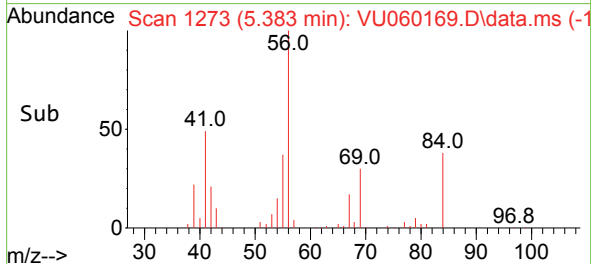
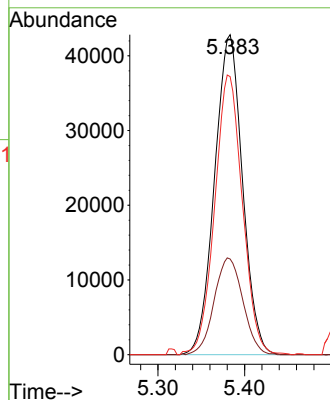
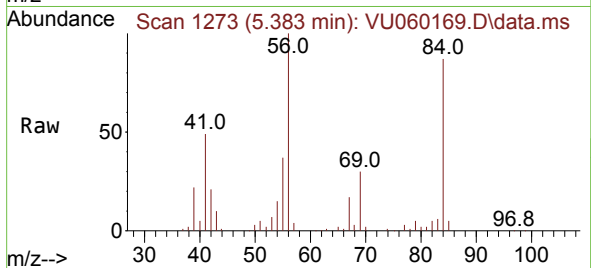
Acq: 25 Jul 2024 13:26

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	56	Resp:	96032
Ion	Ratio	Lower	Upper
56	100		
69	31.0	26.0	39.0
84	86.7	75.5	113.3



#30

1,1,1-Trichloroethane

Concen: 44.825 ug/L

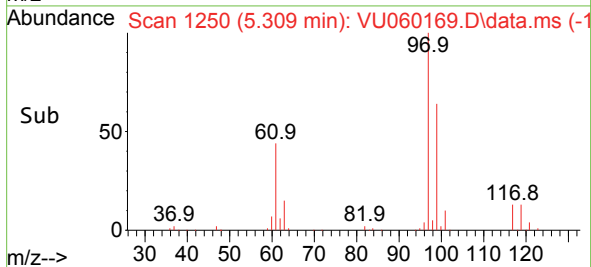
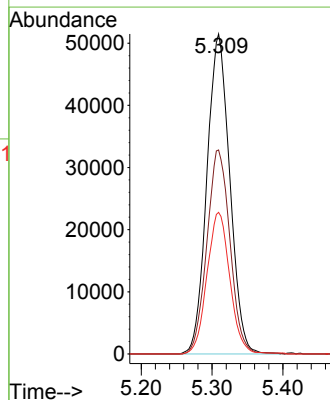
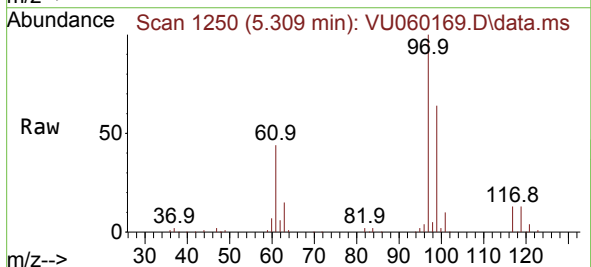
RT: 5.309 min Scan# 1250

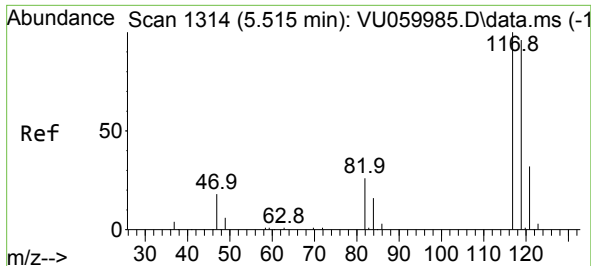
Delta R.T. 0.003 min

Lab File: VU060169.D

Acq: 25 Jul 2024 13:26

Tgt Ion:	97	Resp:	115323
Ion	Ratio	Lower	Upper
97	100		
99	64.4	52.2	78.2
61	44.2	35.2	52.8

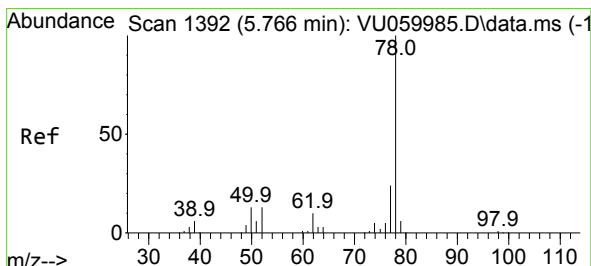
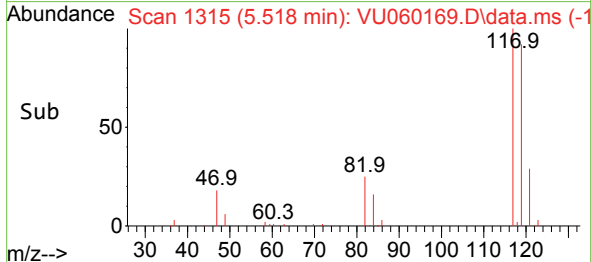
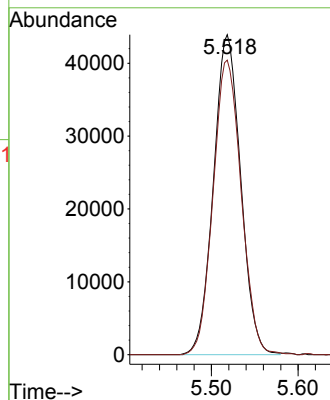
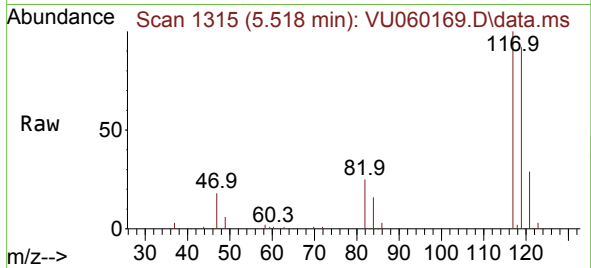




#31
Carbon tetrachloride
Concen: 45.075 ug/L
RT: 5.518 min Scan# 117
Delta R.T. 0.003 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

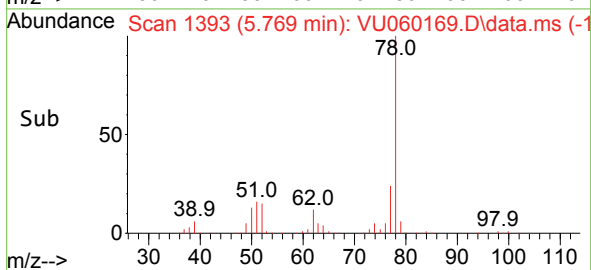
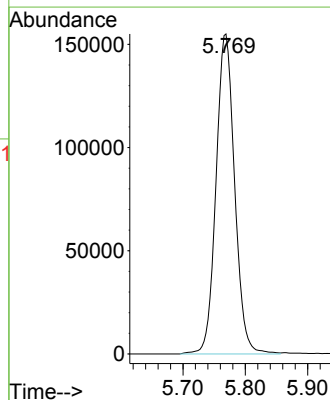
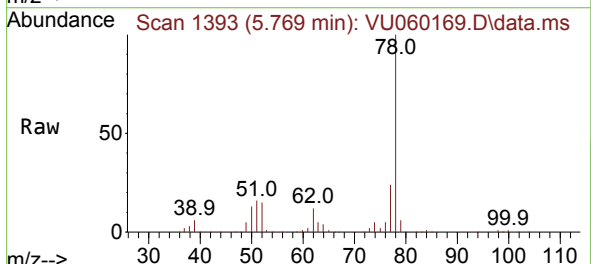
Instrument :
MSVOA_U
ClientSampleId :

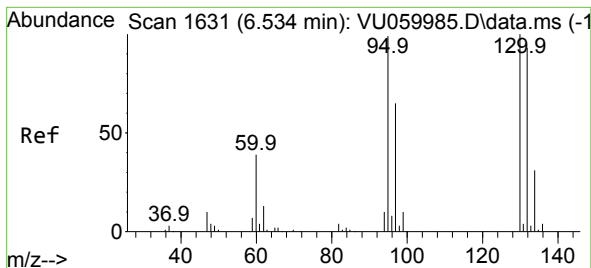
Tgt Ion:117 Resp: 95792
Ion Ratio Lower Upper
117 100
119 95.1 77.6 116.4



#33
Benzene
Concen: 47.943 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

Tgt Ion: 78 Resp: 321518





#34

Trichloroethene

Concen: 44.783 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU060169.D

Acq: 25 Jul 2024 13:26

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 80144

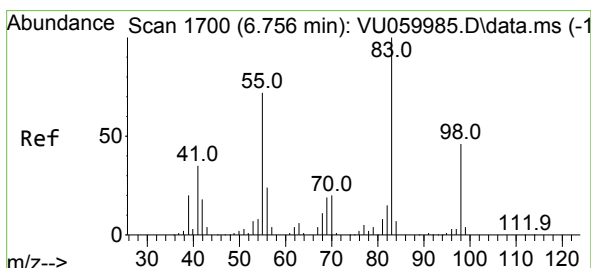
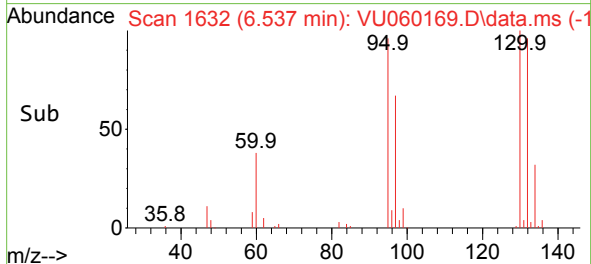
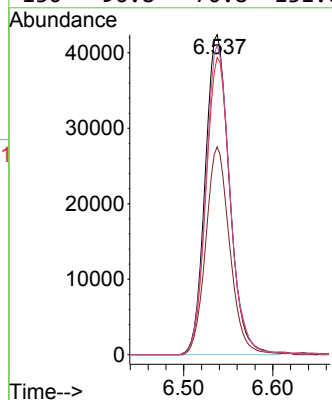
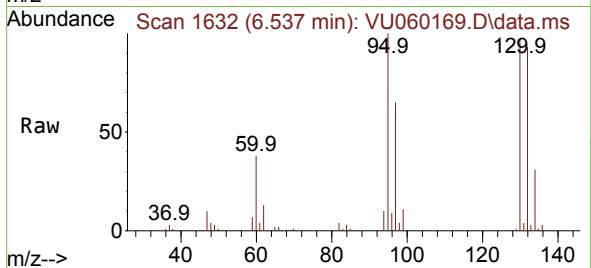
Ion Ratio Lower Upper

95 100

97 64.9 45.8 85.2

132 92.8 69.8 129.6

130 96.8 70.8 131.6



#35

Methylcyclohexane

Concen: 41.254 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VU060169.D

Acq: 25 Jul 2024 13:26

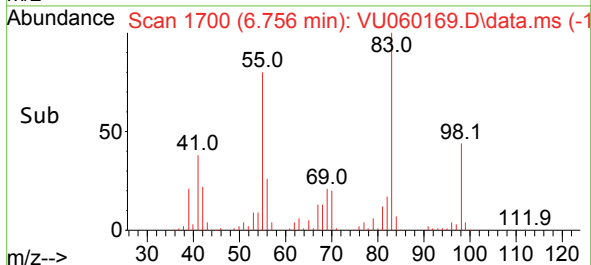
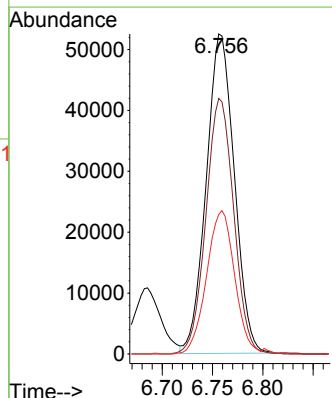
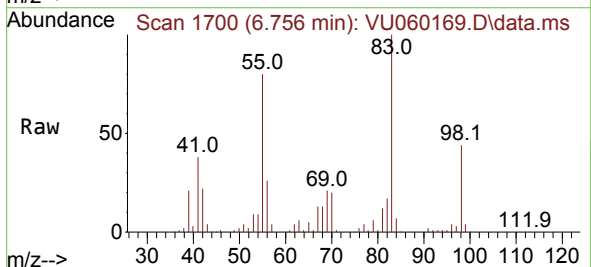
Tgt Ion: 83 Resp: 101963

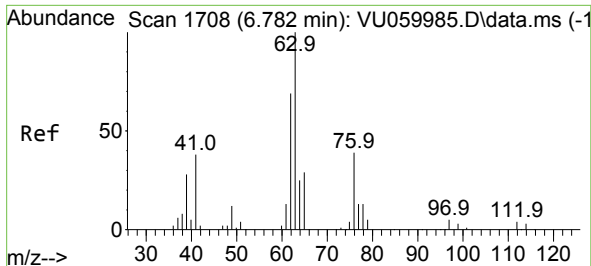
Ion Ratio Lower Upper

83 100

55 79.1 56.8 85.2

98 44.7 36.5 54.7

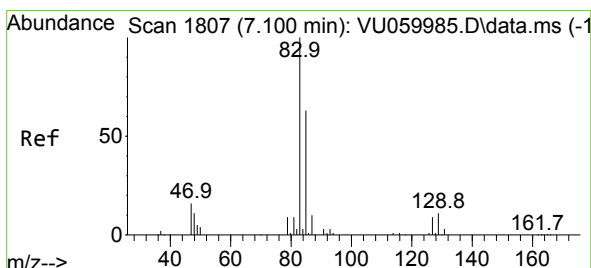
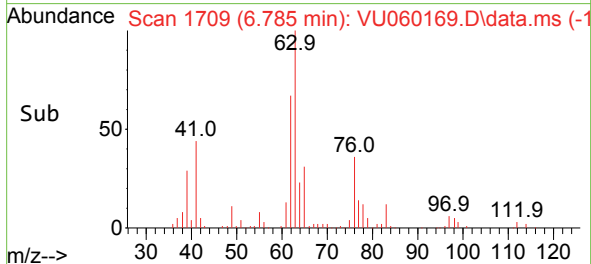
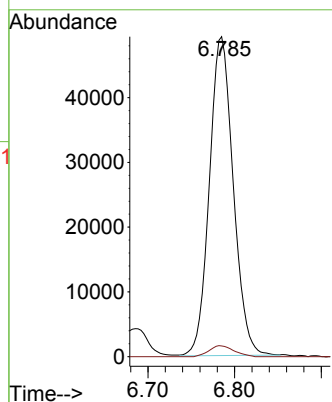
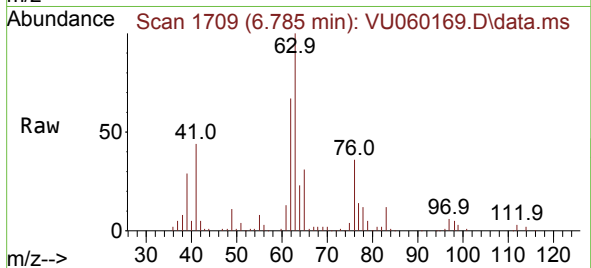




#37
1,2-Dichloropropane
Concen: 51.133 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. 0.003 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

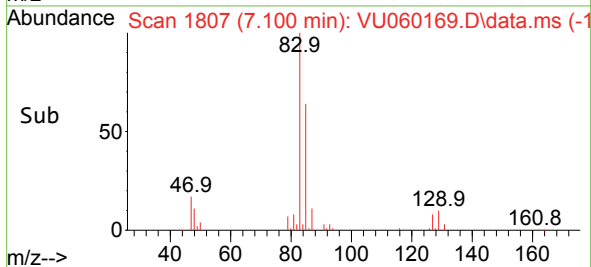
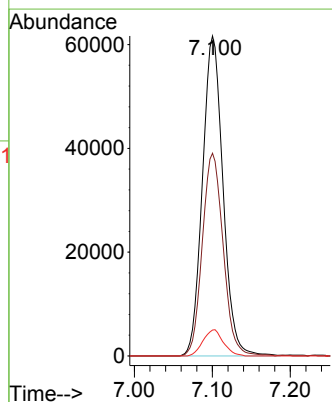
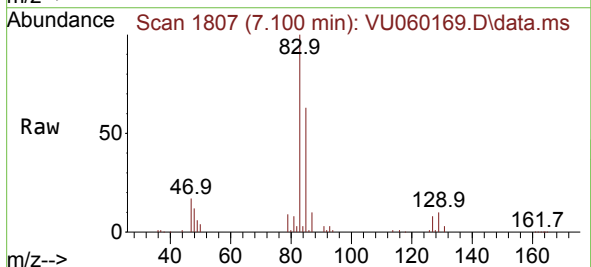
Instrument :
MSVOA_U
ClientSampleId :

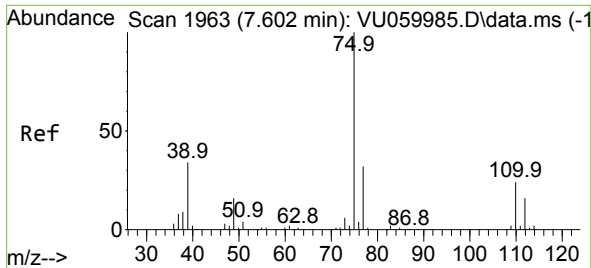
Tgt Ion: 63 Resp: 94387
Ion Ratio Lower Upper
63 100
112 3.6 3.0 4.6



#38
Bromodichloromethane
Concen: 48.306 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

Tgt Ion: 83 Resp: 112983
Ion Ratio Lower Upper
83 100
85 63.3 45.0 83.6
127 8.1 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 45.480 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. 0.000 min

Lab File: VU060169.D

Acq: 25 Jul 2024 13:26

Instrument :

MSVOA_U

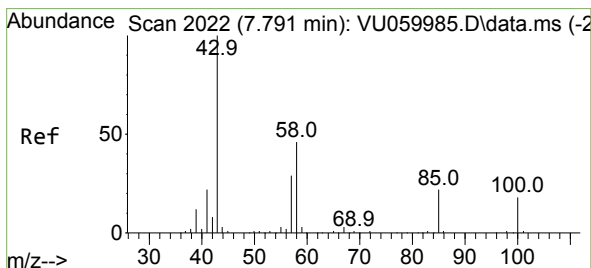
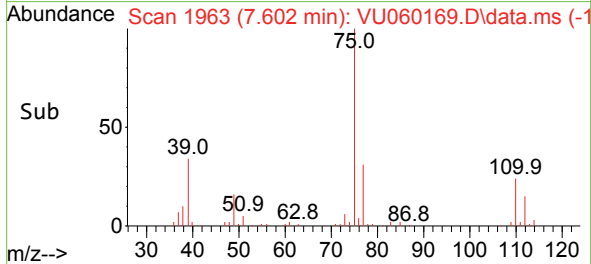
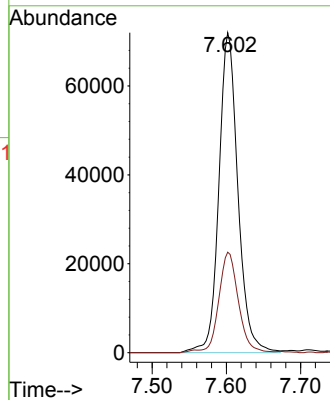
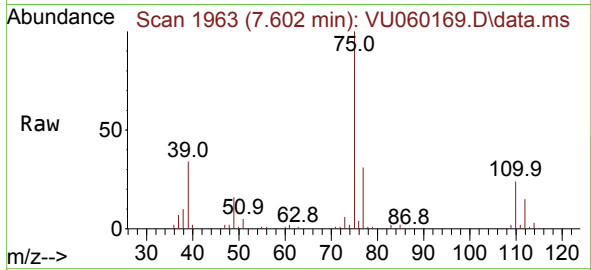
ClientSampleId :

Tgt Ion: 75 Resp: 128445

Ion Ratio Lower Upper

75 100

77 31.4 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 104.762 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.006 min

Lab File: VU060169.D

Acq: 25 Jul 2024 13:26

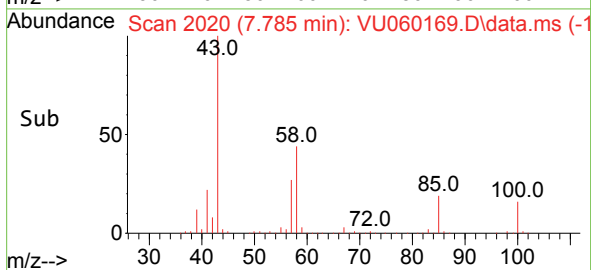
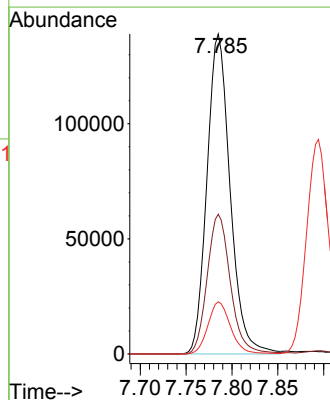
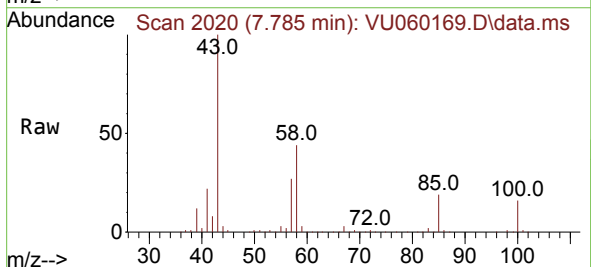
Tgt Ion: 43 Resp: 244414

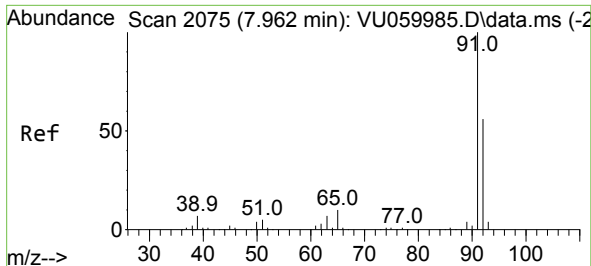
Ion Ratio Lower Upper

43 100

58 43.6 35.3 52.9

100 16.0 14.6 22.0





#42

Toluene

Concen: 46.431 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU060169.D

Acq: 25 Jul 2024 13:26

Instrument :

MSVOA_U

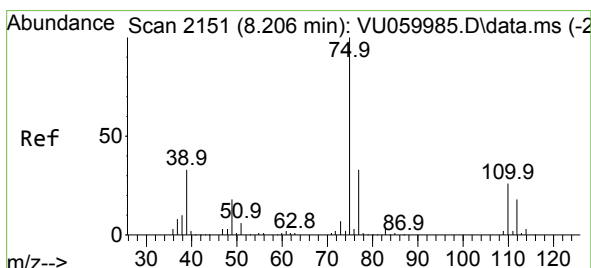
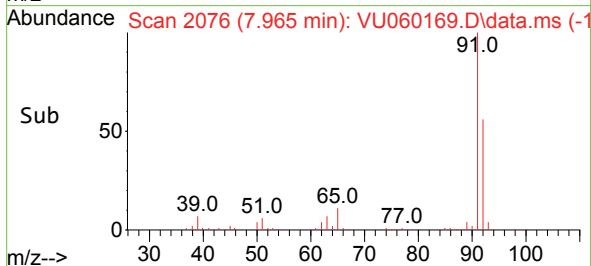
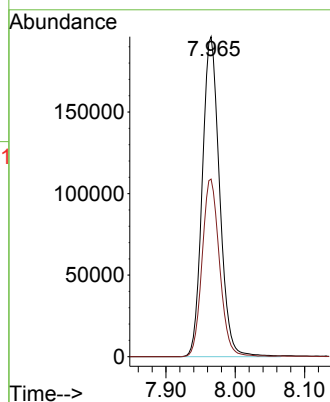
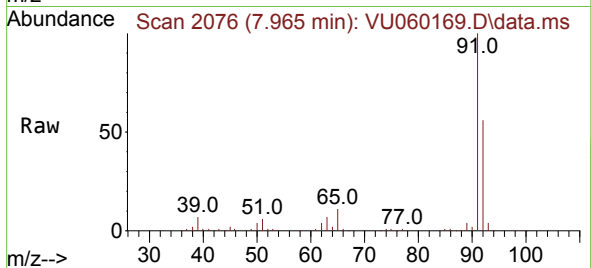
ClientSampleId :

Tgt Ion: 91 Resp: 339933

Ion Ratio Lower Upper

91 100

92 55.5 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 46.134 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU060169.D

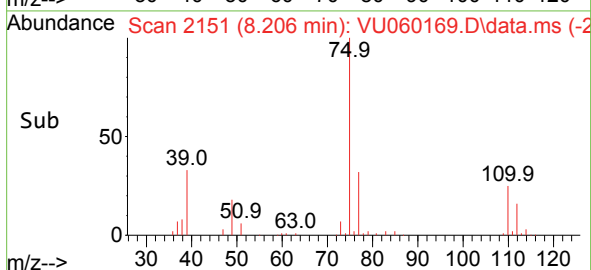
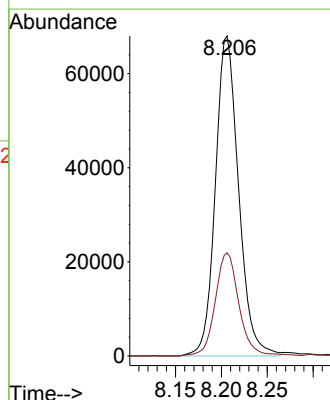
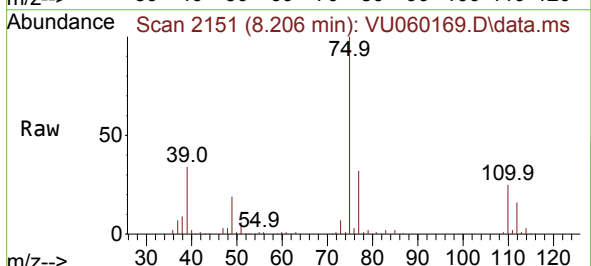
Acq: 25 Jul 2024 13:26

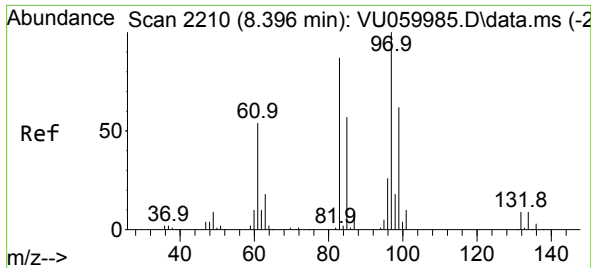
Tgt Ion: 75 Resp: 119680

Ion Ratio Lower Upper

75 100

77 32.3 21.7 40.3

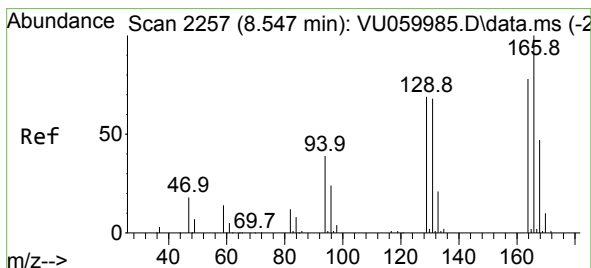
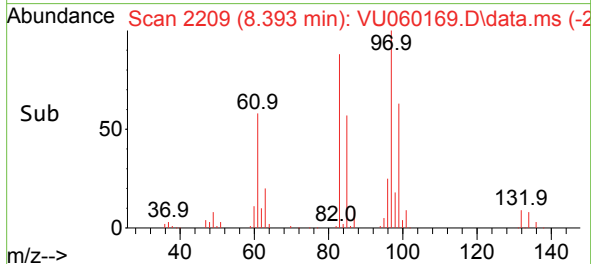
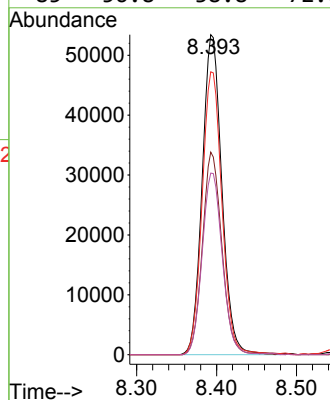
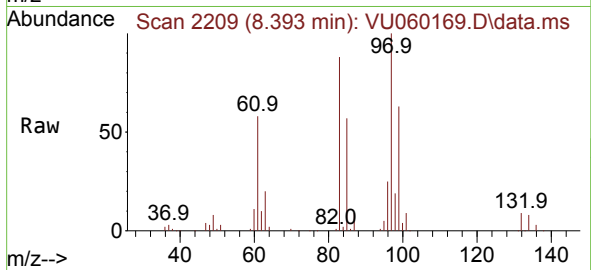




#45
1,1,2-Trichloroethane
Concen: 47.352 ug/L
RT: 8.393 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

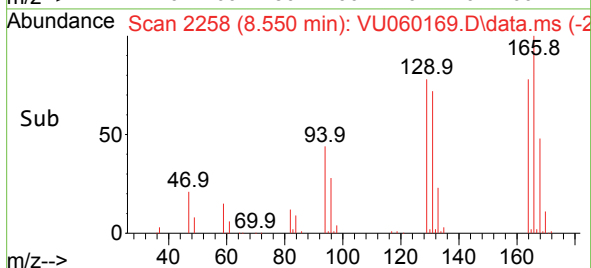
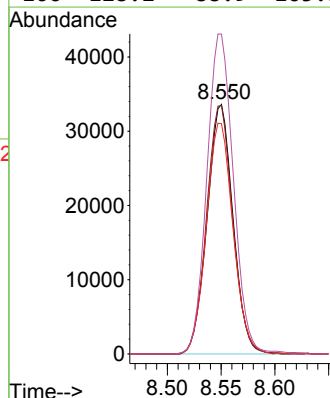
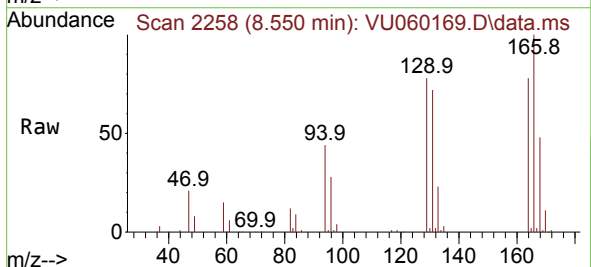
Instrument :
MSVOA_U
ClientSampleId :

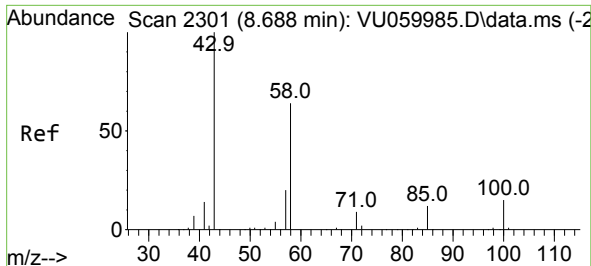
Tgt Ion: 97	Resp: 91539
Ion Ratio	Lower Upper
97 100	
99 63.3	43.1 80.1
83 88.4	60.4 112.2
85 56.8	38.8 72.0



#46
Tetrachloroethene
Concen: 38.331 ug/L
RT: 8.550 min Scan# 2258
Delta R.T. 0.003 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

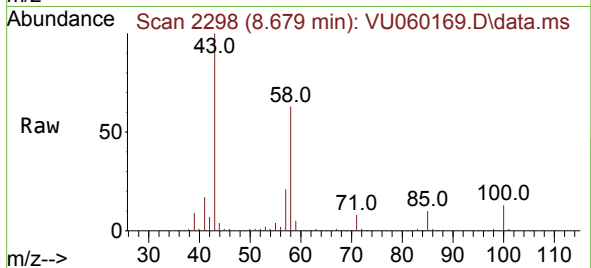
Tgt Ion: 164	Resp: 56432
Ion Ratio	Lower Upper
164 100	
129 99.5	62.7 116.5
131 92.3	62.3 115.7
166 128.2	88.9 165.1



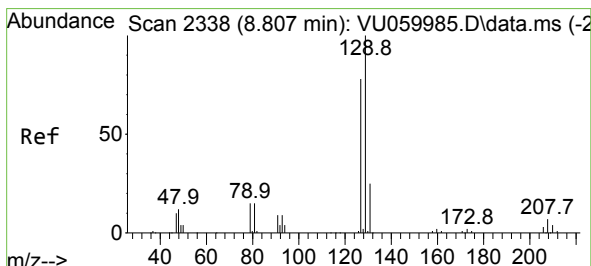
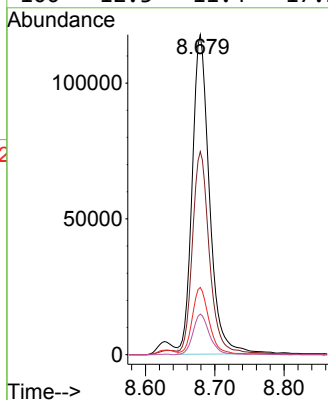
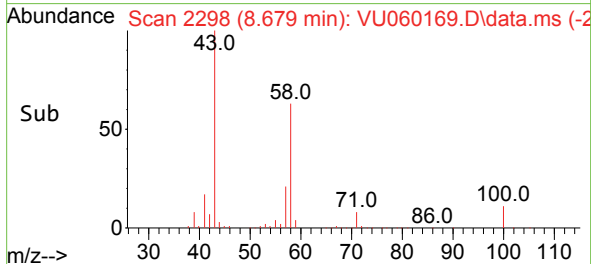


#48
2-Hexanone
Concen: 104.744 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.010 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

Instrument :
MSVOA_U
ClientSampleId :

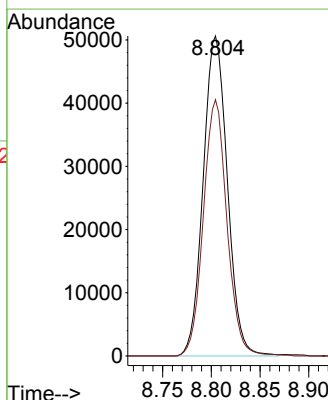
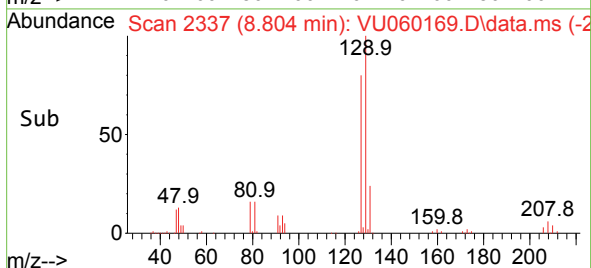
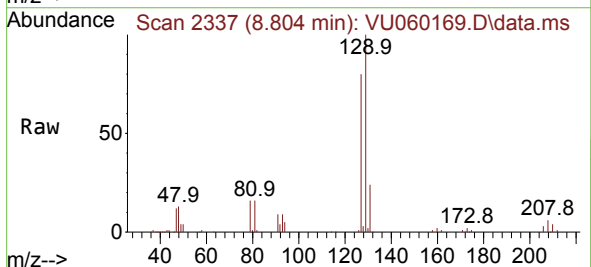


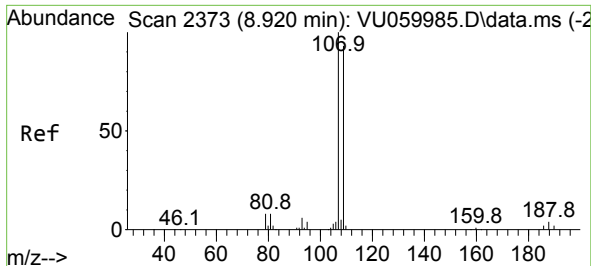
Tgt Ion: 43 Resp: 204520
Ion Ratio Lower Upper
43 100
58 62.8 49.0 73.6
57 20.2 16.7 25.1
100 12.3 11.4 17.2



#49
Dibromochloromethane
Concen: 45.972 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.003 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

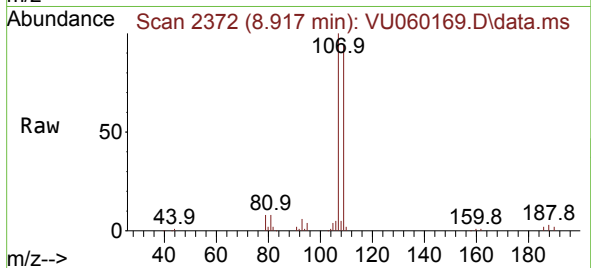
Tgt Ion: 129 Resp: 87566
Ion Ratio Lower Upper
129 100
127 80.1 54.0 100.2



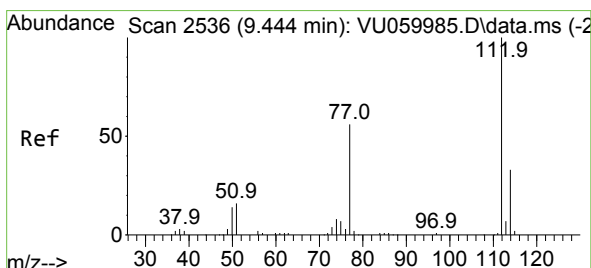
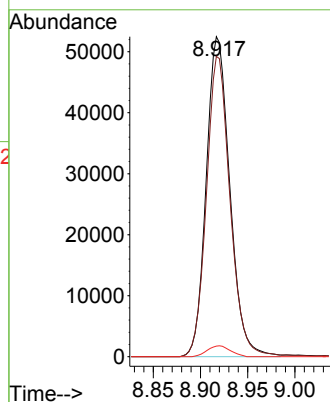
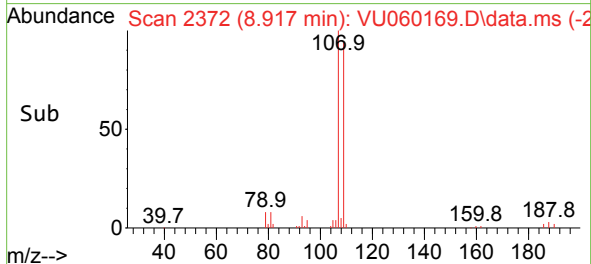


#50
1,2-Dibromoethane
Concen: 45.059 ug/L
RT: 8.917 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

Instrument :
MSVOA_U
ClientSampleId :

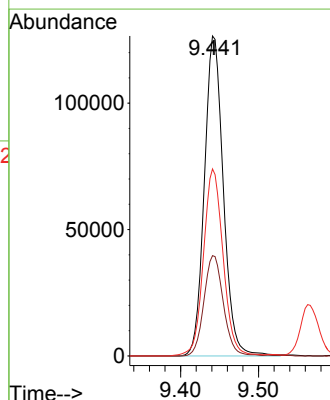
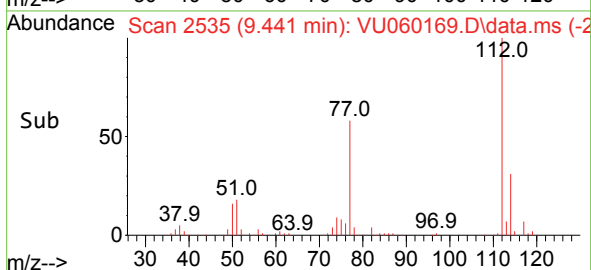
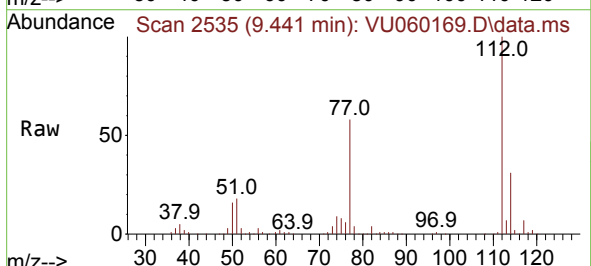


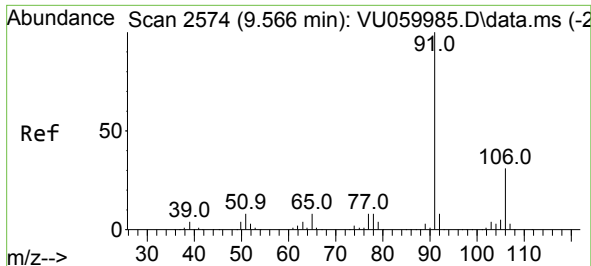
Tgt Ion:107 Resp: 91075
Ion Ratio Lower Upper
107 100
109 93.9 65.5 121.6
188 3.3 3.0 4.4



#51
Chlorobenzene
Concen: 44.110 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.003 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

Tgt Ion:112 Resp: 214390
Ion Ratio Lower Upper
112 100
114 31.4 22.7 42.3
77 58.5 45.8 68.6

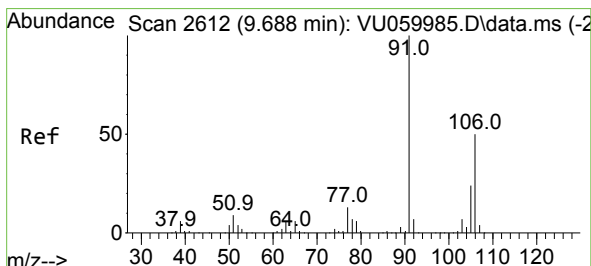
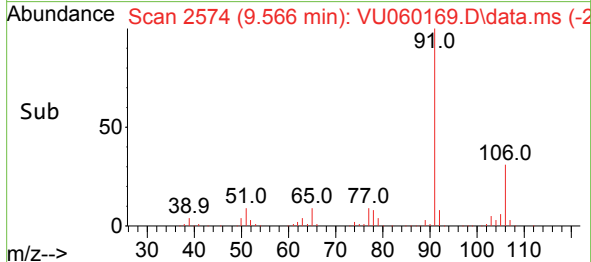
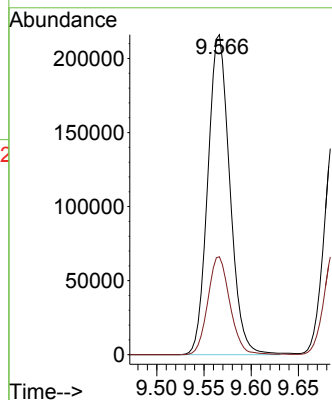
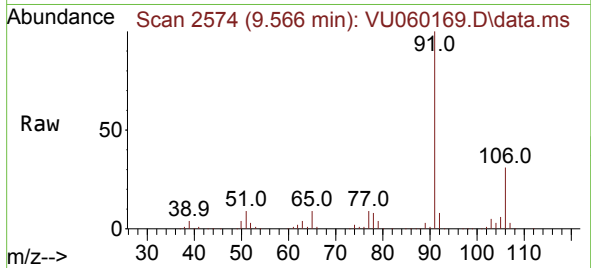




#52
Ethylbenzene
Concen: 44.721 ug/L
RT: 9.566 min Scan# 2574
Delta R.T. 0.000 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

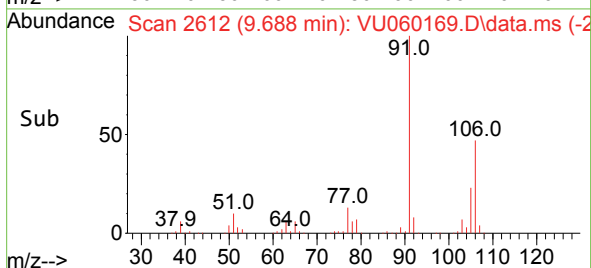
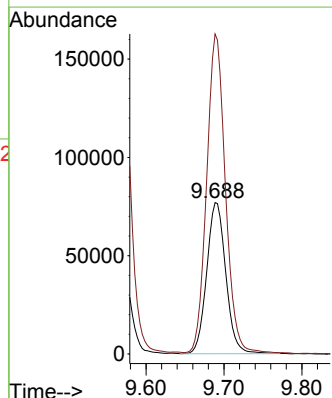
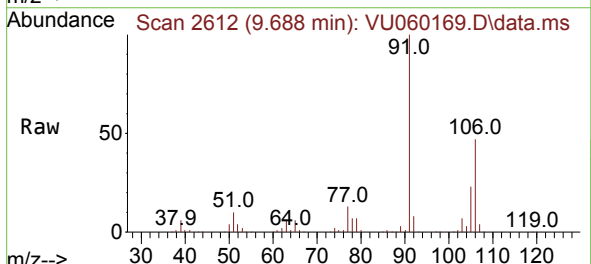
Instrument :
MSVOA_U
ClientSampleId :

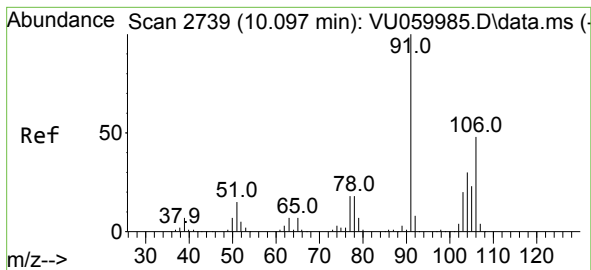
Tgt Ion: 91 Resp: 349642
Ion Ratio Lower Upper
91 100
106 30.6 22.4 41.6



#53
m,p-Xylene
Concen: 42.899 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

Tgt Ion: 106 Resp: 130591
Ion Ratio Lower Upper
106 100
91 211.3 140.9 261.7

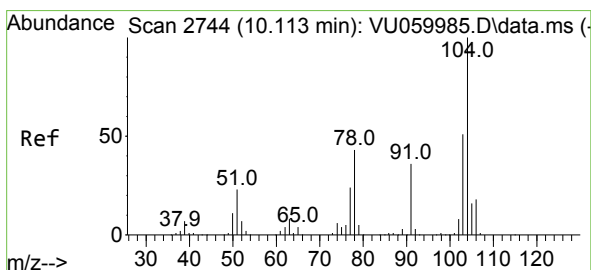
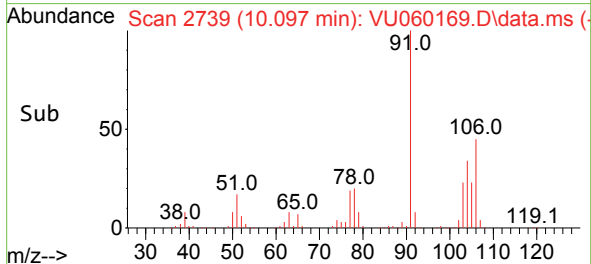
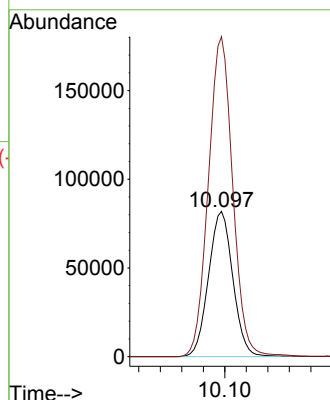
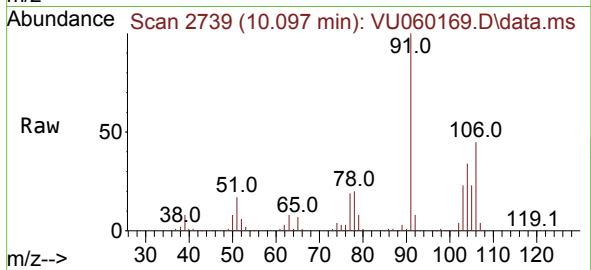




#54
o-Xylene
Concen: 43.914 ug/L
RT: 10.097 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

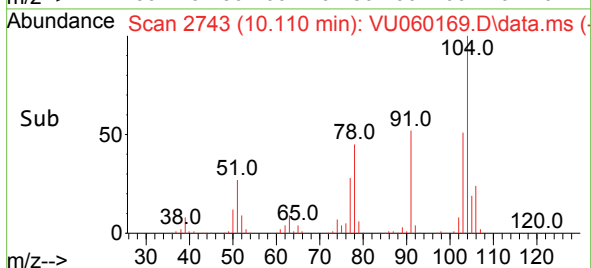
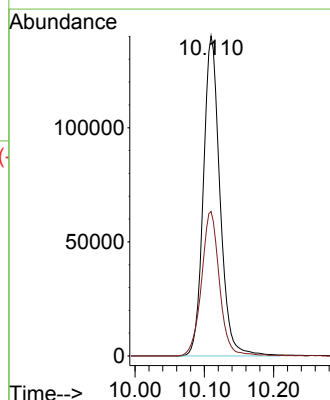
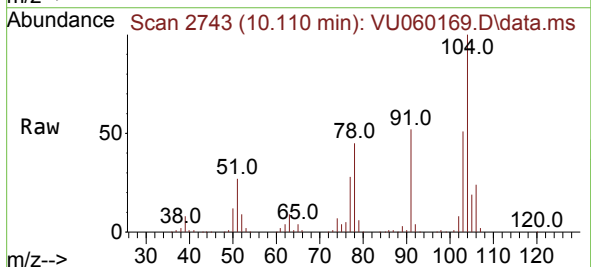
Instrument :
MSVOA_U
ClientSampleId :

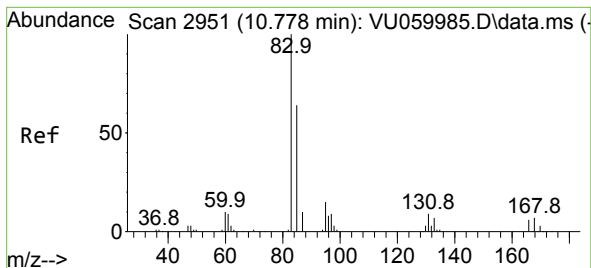
Tgt Ion:106 Resp: 128547
Ion Ratio Lower Upper
106 100
91 220.3 147.4 273.8



#55
Styrene
Concen: 47.214 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.003 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

Tgt Ion:104 Resp: 233167
Ion Ratio Lower Upper
104 100
78 45.2 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 49.898 ug/L

RT: 10.775 min Scan# 2951

Delta R.T. -0.003 min

Lab File: VU060169.D

Acq: 25 Jul 2024 13:26

Instrument :

MSVOA_U

ClientSampleId :

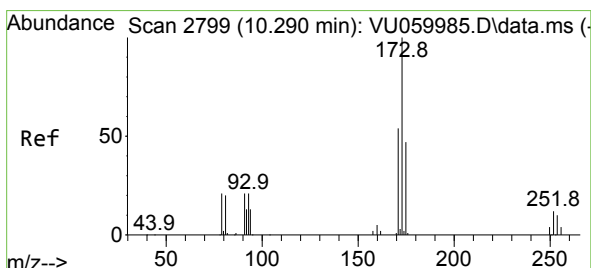
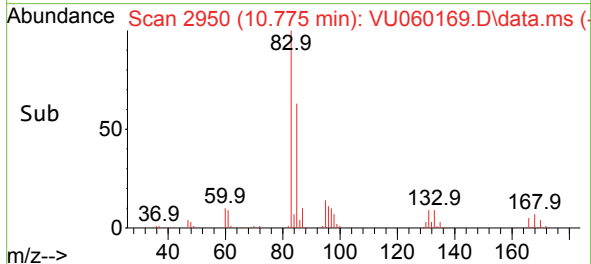
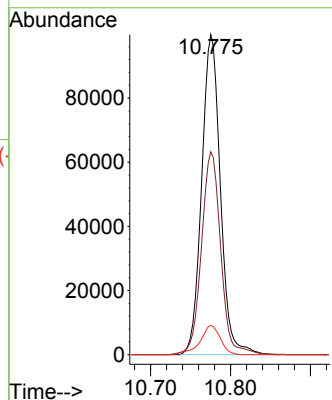
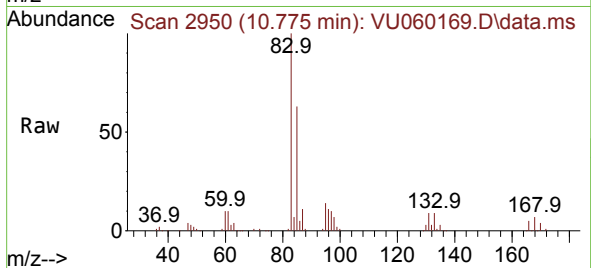
Tgt Ion: 83 Resp: 162672

Ion Ratio Lower Upper

83 100

85 63.4 45.4 84.2

131 9.2 7.5 11.3



#59

Bromoform

Concen: 47.073 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. -0.003 min

Lab File: VU060169.D

Acq: 25 Jul 2024 13:26

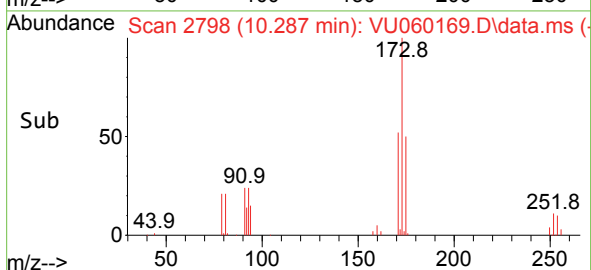
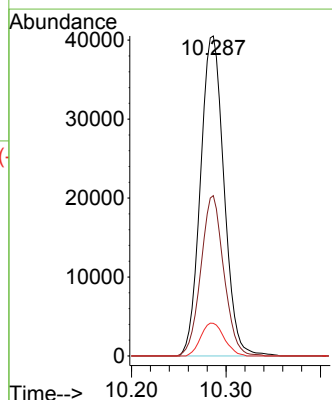
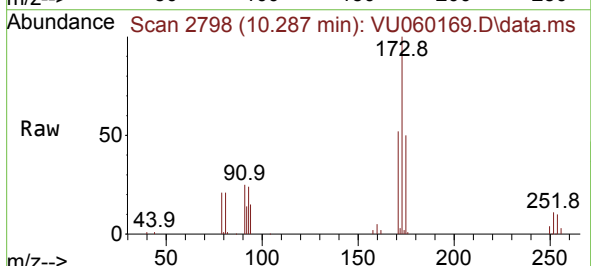
Tgt Ion:173 Resp: 69950

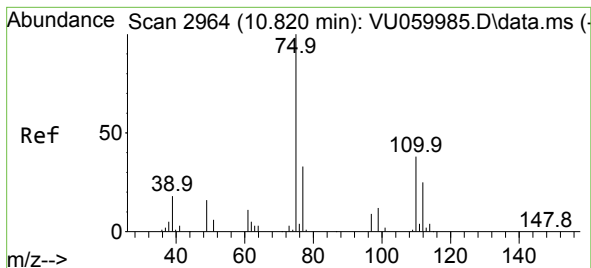
Ion Ratio Lower Upper

173 100

175 49.0 39.4 59.2

254 10.3 9.0 13.4





#60

1,2,3-Trichloropropane

Concen: 52.607 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.003 min

Lab File: VU060169.D

Acq: 25 Jul 2024 13:26

Instrument :

MSVOA_U

ClientSampleId :

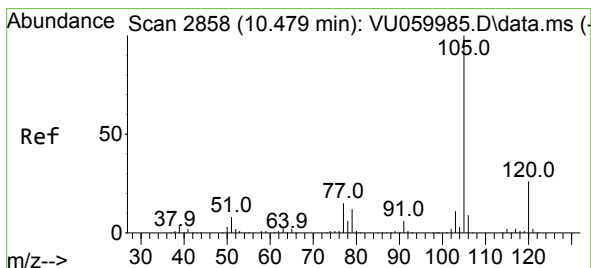
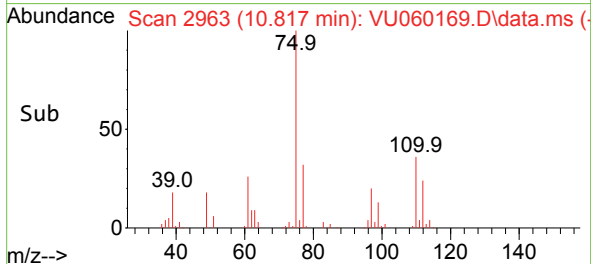
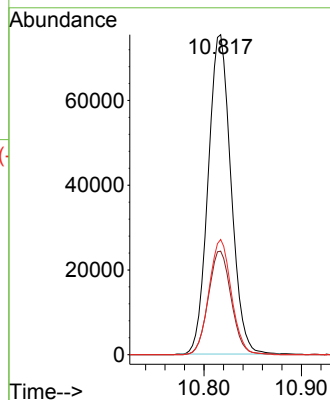
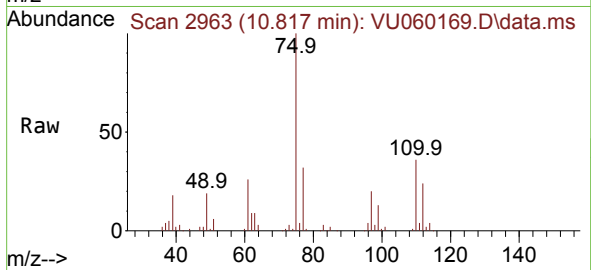
Tgt Ion: 75 Resp: 122701

Ion Ratio Lower Upper

75 100

77 32.6 25.5 38.3

110 35.5 30.7 46.1



#61

Isopropylbenzene

Concen: 47.683 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU060169.D

Acq: 25 Jul 2024 13:26

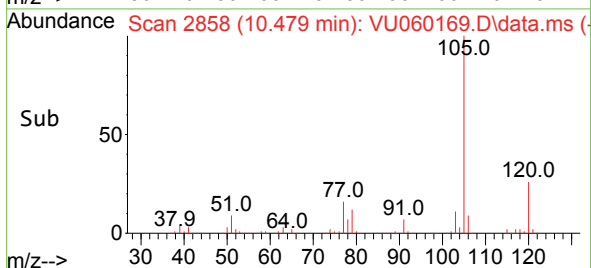
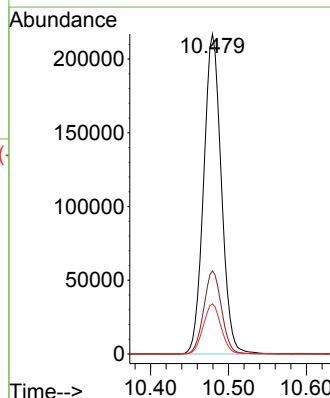
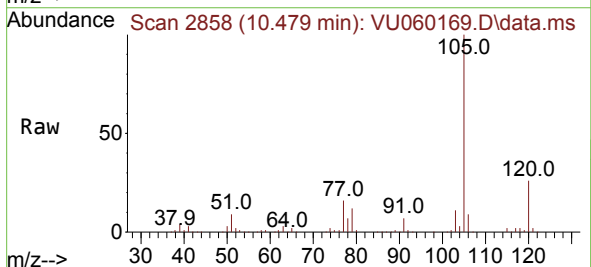
Tgt Ion: 105 Resp: 341597

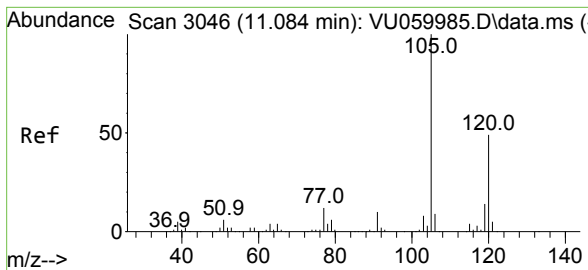
Ion Ratio Lower Upper

105 100

120 26.2 20.9 31.3

77 15.9 12.1 18.1

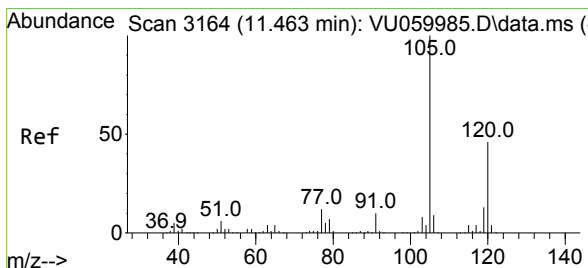
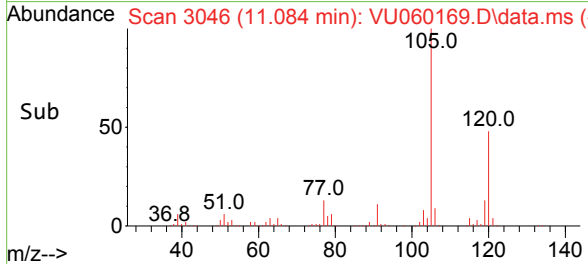
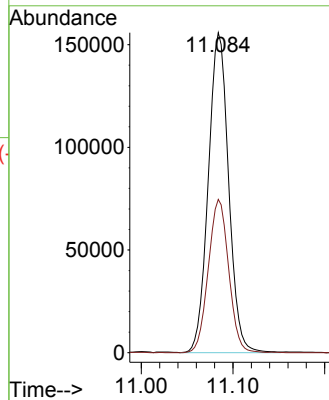
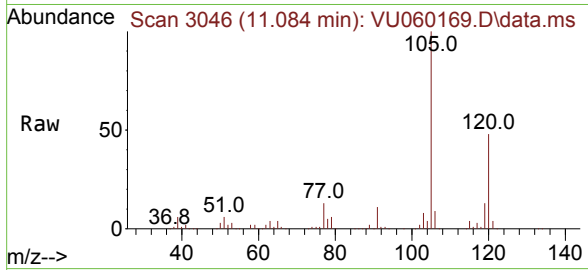




#62
 1,3,5-Trimethylbenzene
 Concen: 45.839 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU060169.D
 Acq: 25 Jul 2024 13:26

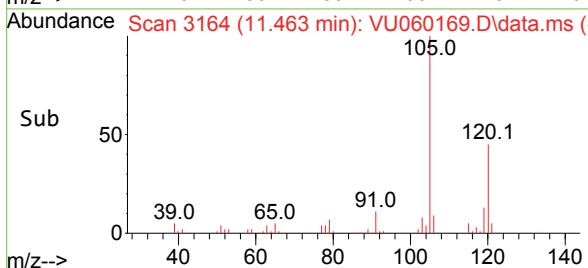
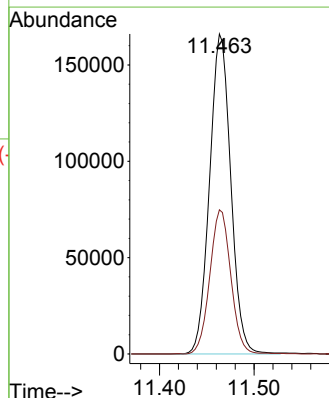
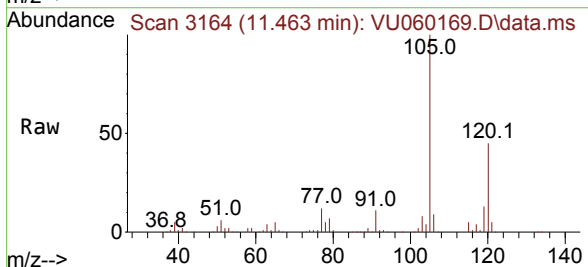
Instrument :
 MSVOA_U
 ClientSampleId :

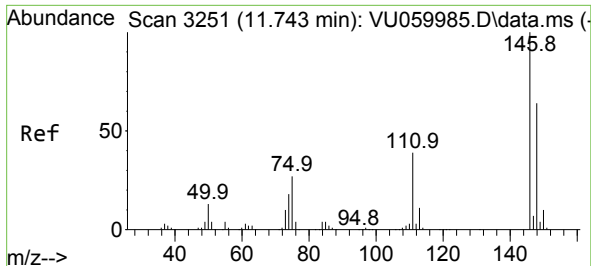
Tgt Ion:105 Resp: 240400
 Ion Ratio Lower Upper
 105 100
 120 47.9 39.5 59.3



#63
 1,2,4-Trimethylbenzene
 Concen: 46.083 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VU060169.D
 Acq: 25 Jul 2024 13:26

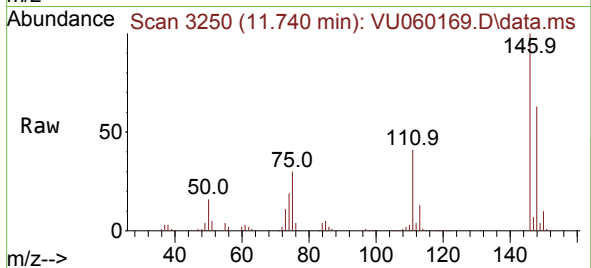
Tgt Ion:105 Resp: 258873
 Ion Ratio Lower Upper
 105 100
 120 44.4 37.0 55.6



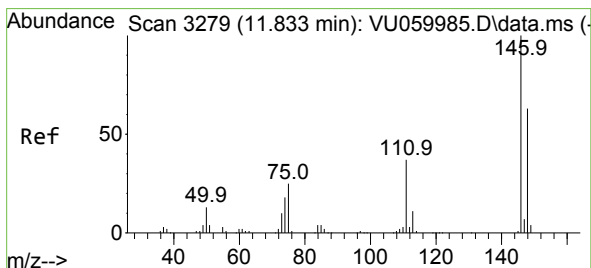
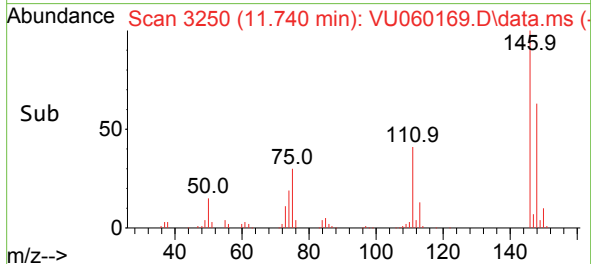
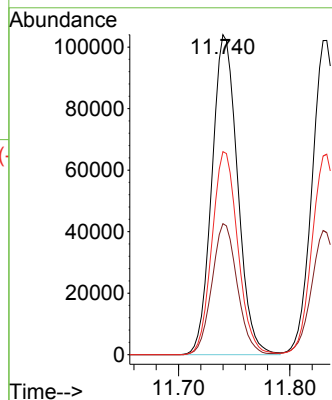


#64
1,3-Dichlorobenzene
Concen: 44.942 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

Instrument :
MSVOA_U
ClientSampleId :

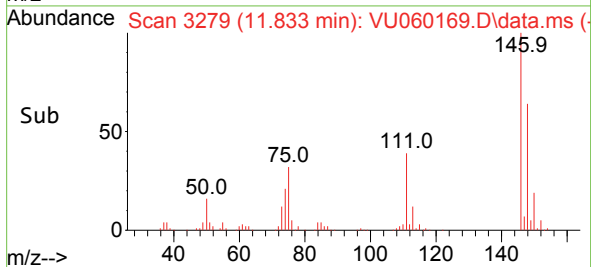
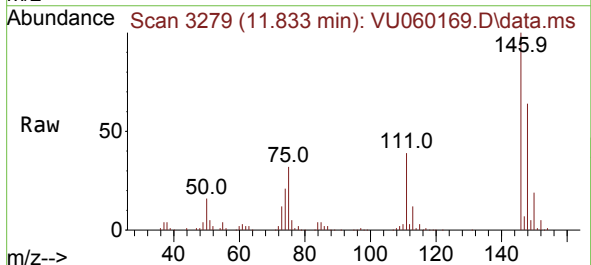
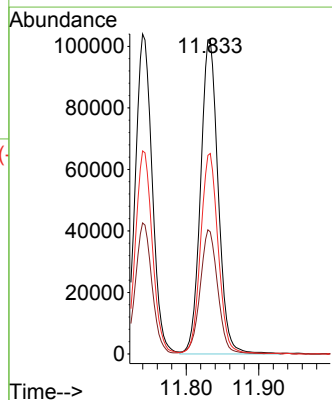


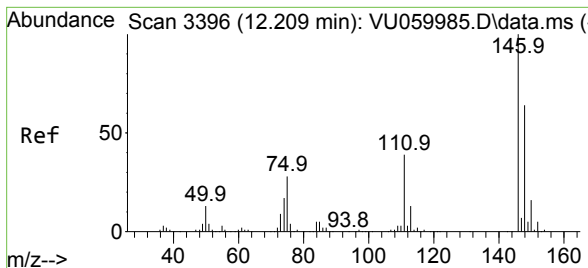
Tgt Ion:146 Resp: 166976
Ion Ratio Lower Upper
146 100
111 41.0 26.5 49.1
148 63.4 43.8 81.3



#65
1,4-Dichlorobenzene
Concen: 44.820 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.000 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

Tgt Ion:146 Resp: 172144
Ion Ratio Lower Upper
146 100
111 38.8 25.9 48.1
148 63.8 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 45.347 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.003 min

Lab File: VU060169.D

Acq: 25 Jul 2024 13:26

Instrument :

MSVOA_U

ClientSampleId :

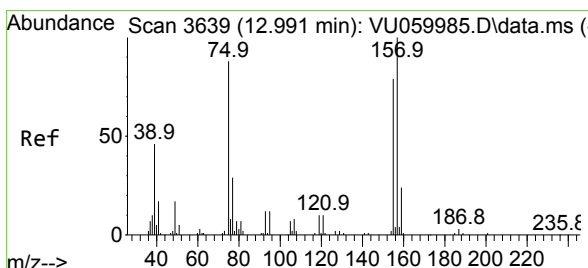
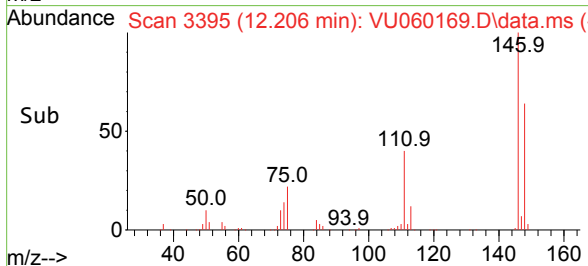
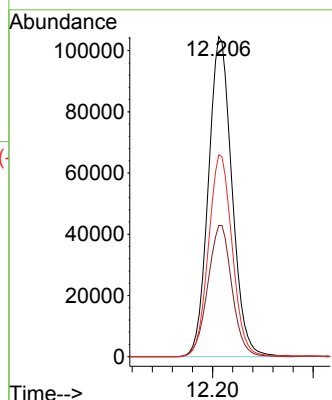
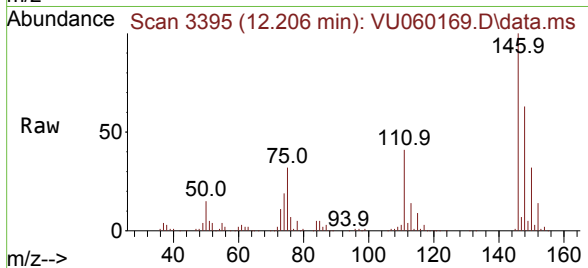
Tgt Ion:146 Resp: 170198

Ion Ratio Lower Upper

146 100

111 41.0 31.7 47.5

148 63.0 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 51.978 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU060169.D

Acq: 25 Jul 2024 13:26

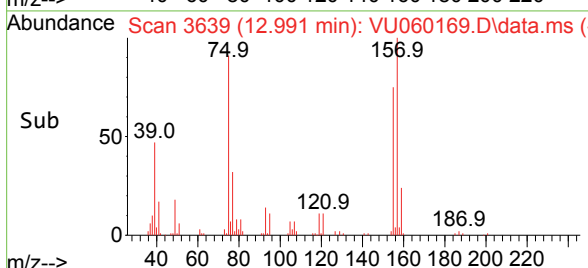
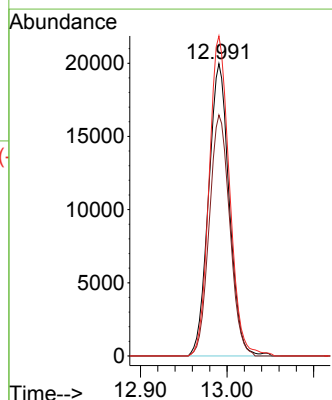
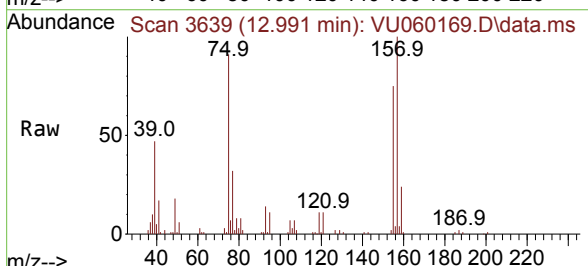
Tgt Ion: 75 Resp: 33155

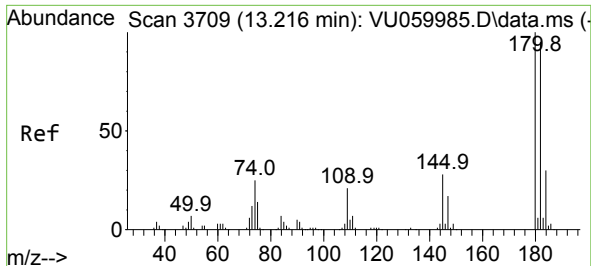
Ion Ratio Lower Upper

75 100

155 82.4 73.5 110.3

157 109.5 93.5 140.3





#69

1,3,5-Trichlorobenzene

Concen: 42.766 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.000 min

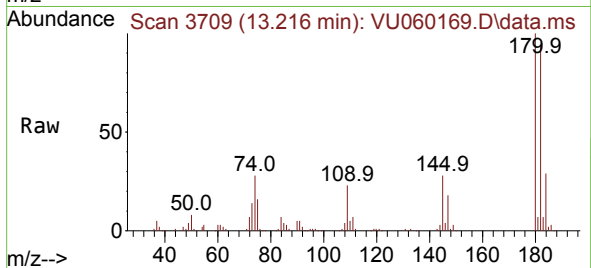
Lab File: VU060169.D

Acq: 25 Jul 2024 13:26

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 114557

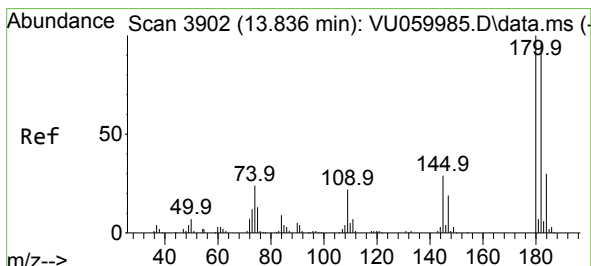
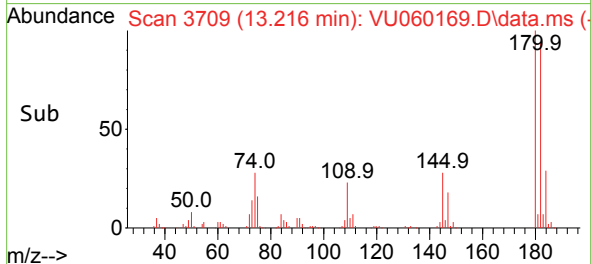
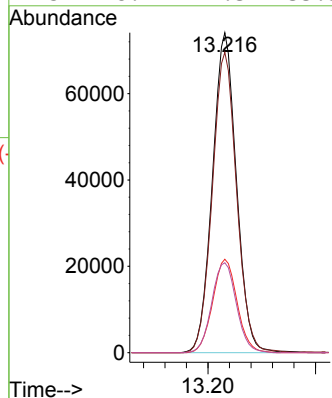
Ion Ratio Lower Upper

180 100

182 95.2 75.8 113.8

184 29.8 24.7 37.1

145 28.9 22.3 33.5



#70

1,2,4-trichlorobenzene

Concen: 40.765 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU060169.D

Acq: 25 Jul 2024 13:26

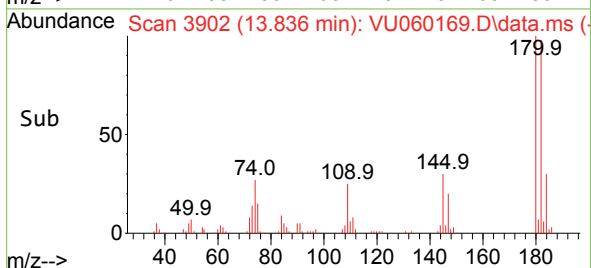
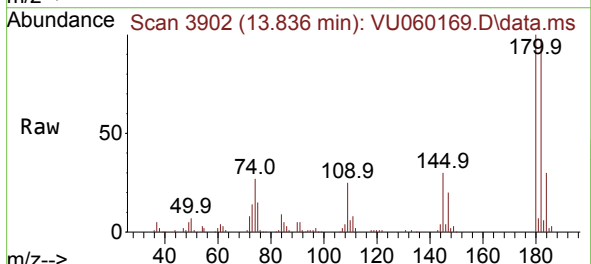
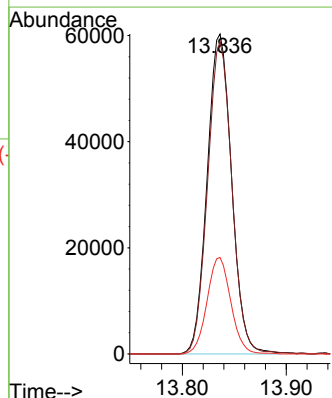
Tgt Ion:180 Resp: 98422

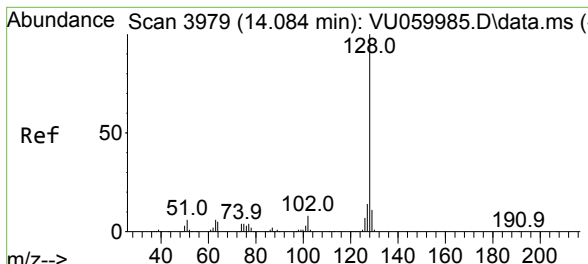
Ion Ratio Lower Upper

180 100

182 96.3 76.4 114.6

145 29.3 23.0 34.4

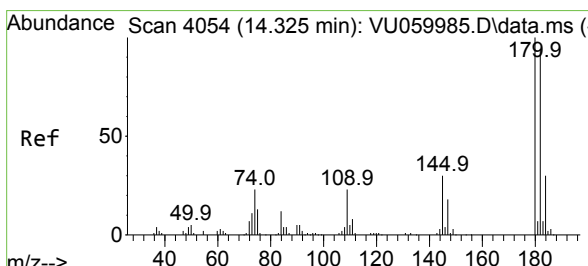
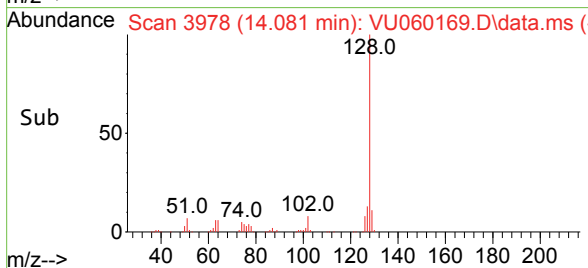
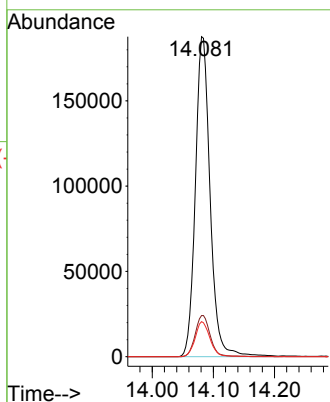
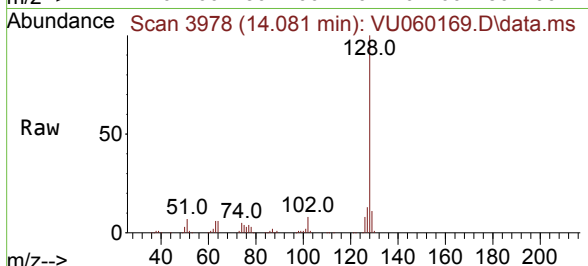




#71
Naphthalene
Concen: 45.093 ug/L
RT: 14.081 min Scan# 3979
Delta R.T. -0.003 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128	Resp: 314623
Ion Ratio	Lower Upper
128 100	
127 12.9	10.4 15.6
129 10.9	8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 44.717 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU060169.D
Acq: 25 Jul 2024 13:26

Tgt Ion:180	Resp: 108321
Ion Ratio	Lower Upper
180 100	
182 94.1	75.8 113.8
145 30.5	24.5 36.7

