

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071724\
 Data File : VU060005.D
 Acq On : 17 Jul 2024 19:41
 Operator : MD/SY
 Sample : P3260-02MS
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 E08F4MS

Quant Time: Jul 18 02:51:21 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	217814	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	223264	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	116360	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	54368	38.875	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	77.760%
7) Chloroethane-d5	1.901	69	49007	41.661	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.320%
11) 1,1-Dichloroethene-d2	2.560	63	100138	40.304	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.600%
21) 2-Butanone-d5	4.612	46	106403	109.478	ug/L	-0.02
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.480%
24) Chloroform-d	5.052	84	124275	45.887	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.780%
26) 1,2-Dichloroethane-d4	5.692	65	73990	45.948	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.900%
32) Benzene-d6	5.718	84	233116	40.775	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.540%
36) 1,2-Dichloropropane-d6	6.682	67	76687	43.340	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	86.680%
41) Toluene-d8	7.891	98	216580	39.835	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.680%#
43) trans-1,3-Dichloroprop...	8.174	79	33696	40.696	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	81.400%
47) 2-Hexanone-d5	8.624	63	72352	97.024	ug/L	-0.02
Spiked Amount	100.000	Range	45 - 130	Recovery	=	97.020%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	136420	50.231	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.460%
66) 1,2-Dichlorobenzene-d4	12.187	152	90342	42.251	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	64098	47.384	ug/L	97
3) Chloromethane	1.515	50	72535	54.643	ug/L	97
5) Vinyl chloride	1.599	62	82410	52.885	ug/L	100
6) Bromomethane	1.840	94	49912	60.978	ug/L	97
8) Chloroethane	1.920	64	53163	52.403	ug/L	98
9) Trichlorofluoromethane	2.129	101	108774	50.138	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	68532	49.627	ug/L	99
12) 1,1-Dichloroethene	2.570	96	60651	46.962	ug/L	94
13) Acetone	2.618	43	73375	73.316	ug/L	95
14) Carbon disulfide	2.785	76	149523	45.871	ug/L	97
15) Methyl Acetate	2.940	43	68436	45.355	ug/L	100
16) Methylene chloride	3.036	84	80065	49.163	ug/L	98
17) trans-1,2-Dichloroethene	3.345	96	63779	47.969	ug/L	98
18) Methyl tert-butyl Ether	3.354	73	206304	47.773	ug/L	99
19) 1,1-Dichloroethane	3.859	63	131591	52.183	ug/L	97
20) cis-1,2-Dichloroethene	4.657	96	79234	49.214	ug/L	98
22) 2-Butanone	4.692	43	113997	92.580	ug/L	100
23) Bromochloromethane	4.965	128	44608	52.529	ug/L	94
25) Chloroform	5.078	83	144863	53.384	ug/L	97

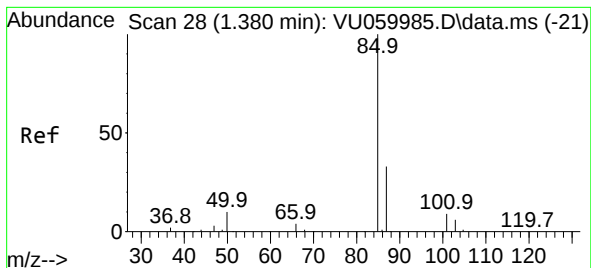
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 QLast Update : Thu Jul 18 02:31:59 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	103981	50.475	ug/L	99
29) Cyclohexane	5.380	56	85417	42.727	ug/L	97
30) 1,1,1-Trichloroethane	5.306	97	110652	47.840	ug/L	99
31) Carbon tetrachloride	5.515	117	92122	48.217	ug/L	99
33) Benzene	5.766	78	296665	49.206	ug/L	100
34) Trichloroethene	6.538	95	74784	46.482	ug/L	97
35) Methylcyclohexane	6.756	83	91926	41.371	ug/L	100
37) 1,2-Dichloropropane	6.782	63	83873	50.542	ug/L	99
38) Bromodichloromethane	7.100	83	111321	52.942	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	110974	43.708	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	210851	100.529	ug/L	98
42) Toluene	7.962	91	323014	49.077	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	108661	46.591	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	88449	50.893	ug/L	99
46) Tetrachloroethene	8.547	164	83775	63.296	ug/L	98
48) 2-Hexanone	8.676	43	173205	98.671	ug/L	97
49) Dibromochloromethane	8.801	129	94315	55.078	ug/L	99
50) 1,2-Dibromoethane	8.917	107	90531	49.821	ug/L	99
51) Chlorobenzene	9.441	112	206270	47.206	ug/L	98
52) Ethylbenzene	9.566	91	321688	45.768	ug/L	99
53) m,p-Xylene	9.689	106	122611	44.803	ug/L	100
54) o-Xylene	10.094	106	141392	53.727	ug/L	97
55) Styrene	10.110	104	221910	49.982	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	157144	53.617	ug/L	98
59) Bromoform	10.283	173	77748	55.260	ug/L	99
60) 1,2,3-Trichloropropane	10.817	75	116144	52.593	ug/L	99
61) Isopropylbenzene	10.480	105	316714	46.693	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	219366	44.179	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	238935	44.924	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	164838	46.860	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	166338	45.742	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	170172	47.888	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	33277	55.101	ug/L	94
69) 1,3,5-Trichlorobenzene	13.216	180	110354	43.511	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	92062	40.274	ug/L	99
71) Naphthalene	14.081	128	285051	43.151	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	100782	43.943	ug/L	97

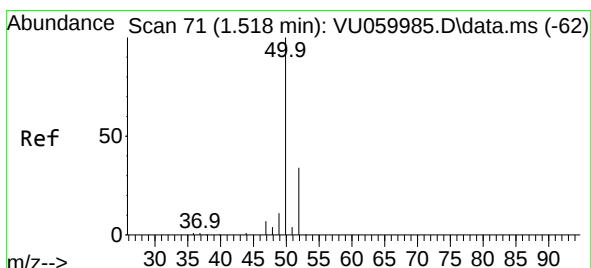
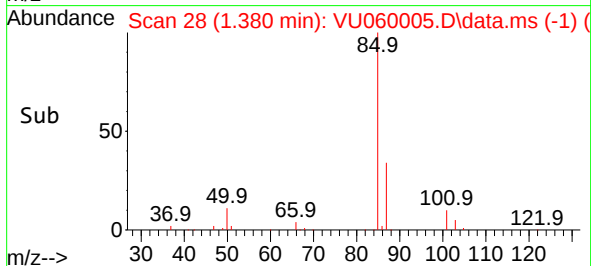
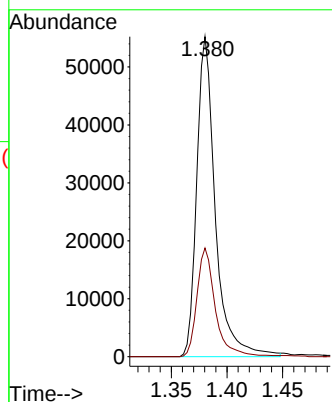
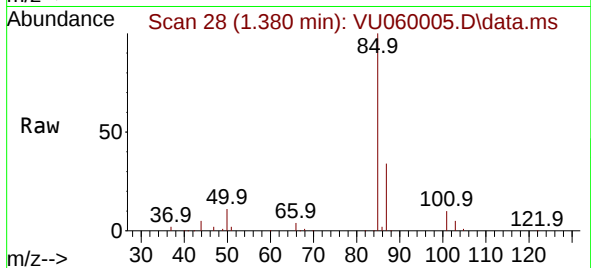
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 47.384 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU060005.D
 Acq: 17 Jul 2024 19:41

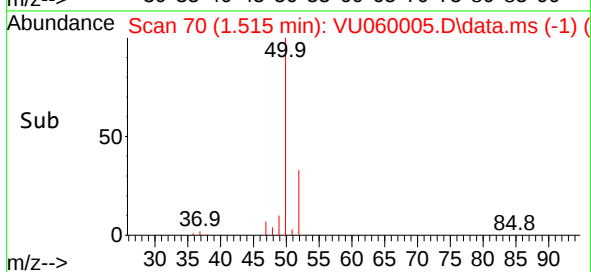
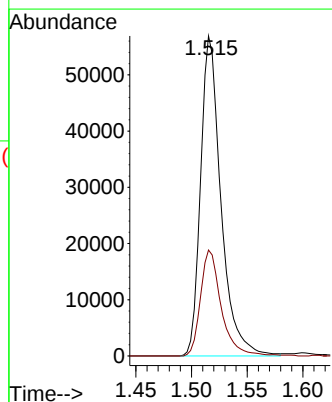
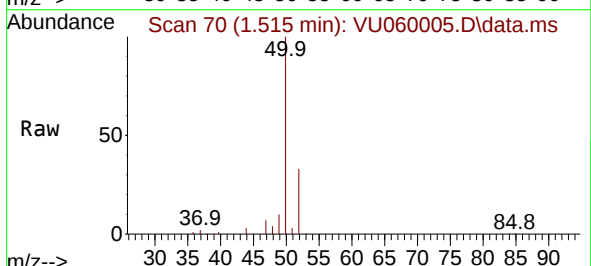
Instrument :
 MSVOA_U
 ClientSampleId :
 E08F4MS

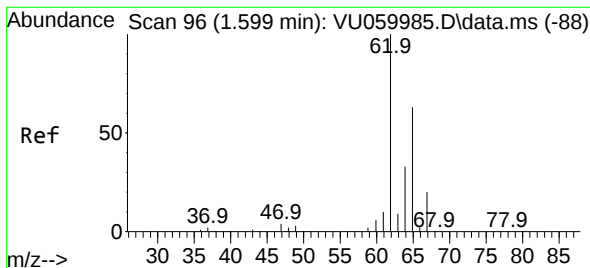
Tgt Ion: 85 Resp: 64098
 Ion Ratio Lower Upper
 85 100
 87 33.6 25.4 38.2



#3
 Chloromethane
 Concen: 54.643 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VU060005.D
 Acq: 17 Jul 2024 19:41

Tgt Ion: 50 Resp: 72535
 Ion Ratio Lower Upper
 50 100
 52 33.1 24.5 45.5





#5

Vinyl chloride

Concen: 52.885 ug/L

RT: 1.599 min Scan# 96

Delta R.T. 0.000 min

Lab File: VU060005.D

Acq: 17 Jul 2024 19:41

Instrument :

MSVOA_U

ClientSampleId :

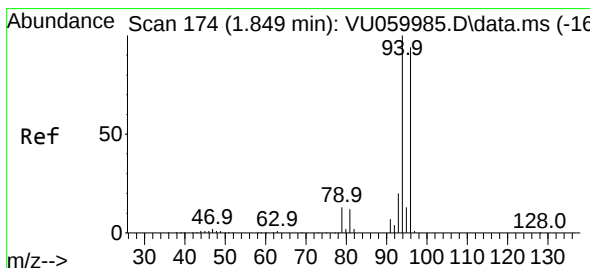
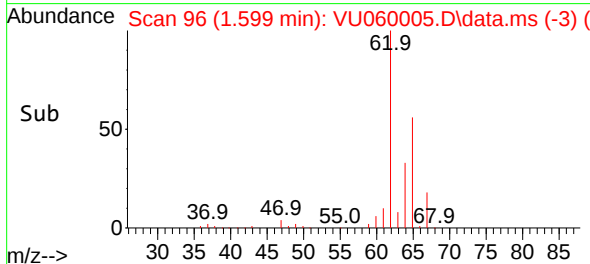
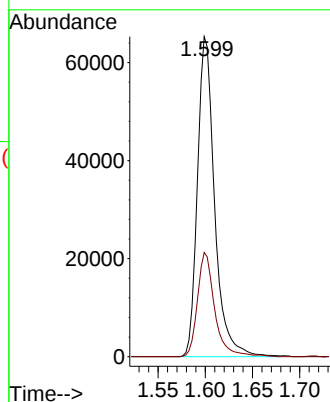
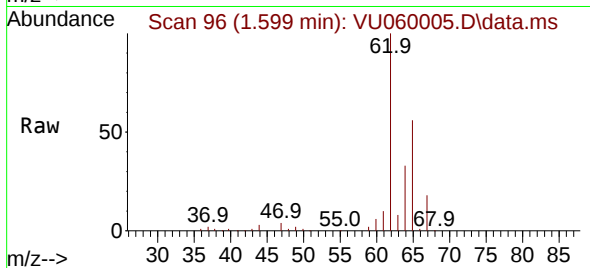
E08F4MS

Tgt Ion: 62 Resp: 82410

Ion Ratio Lower Upper

62 100

64 32.6 22.9 42.5



#6

Bromomethane

Concen: 60.978 ug/L

RT: 1.840 min Scan# 171

Delta R.T. -0.009 min

Lab File: VU060005.D

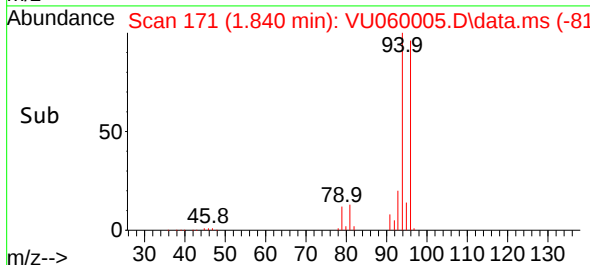
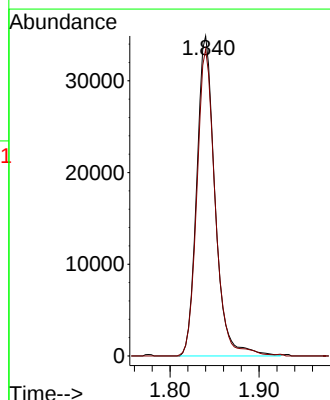
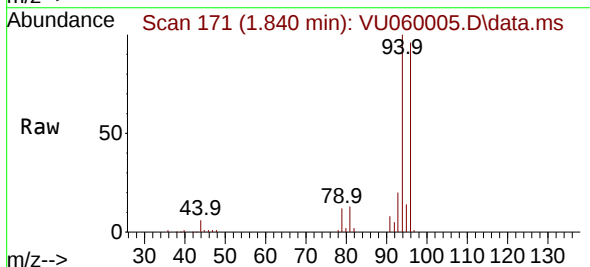
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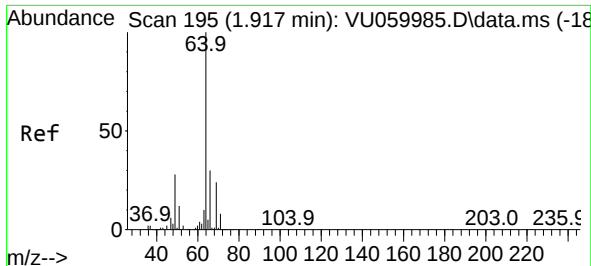
Tgt Ion: 94 Resp: 49912

Ion Ratio Lower Upper

94 100

96 95.8 65.2 121.2

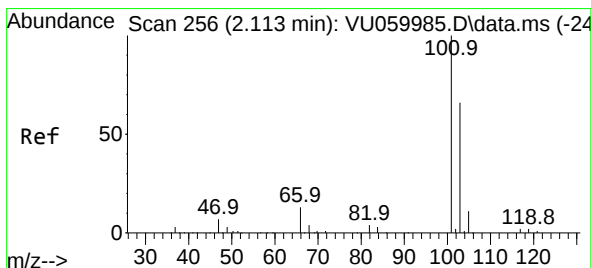
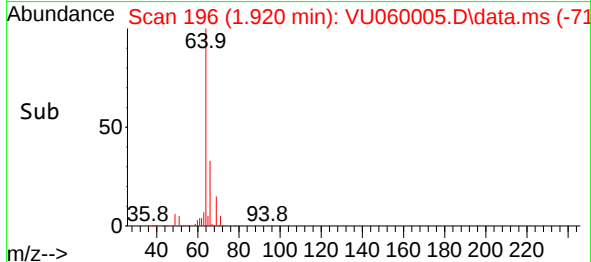
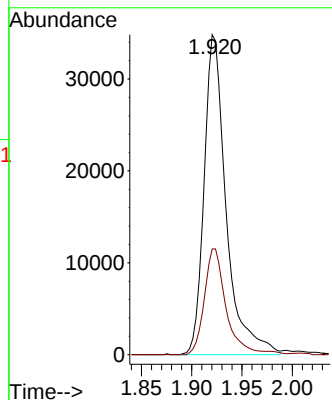
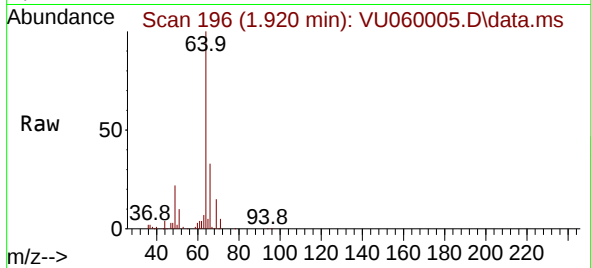




#8
Chloroethane
Concen: 52.403 ug/L
RT: 1.920 min Scan# 196
Delta R.T. 0.003 min
Lab File: VU060005.D
Acq: 17 Jul 2024 19:41

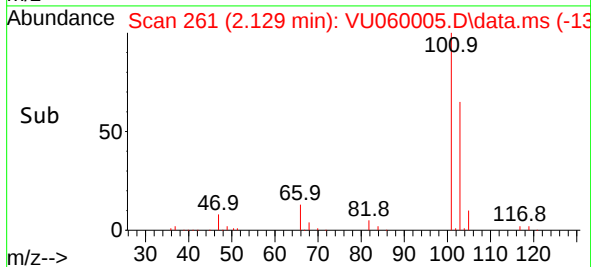
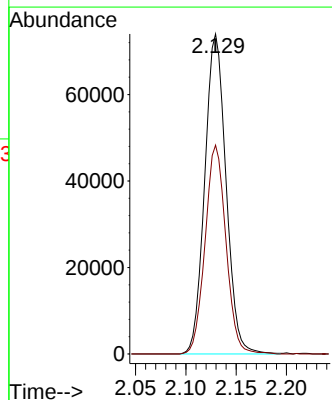
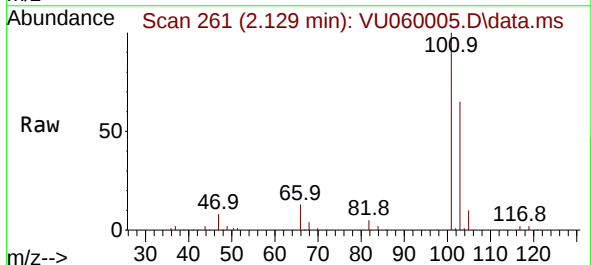
Instrument :
MSVOA_U
ClientSampleId :
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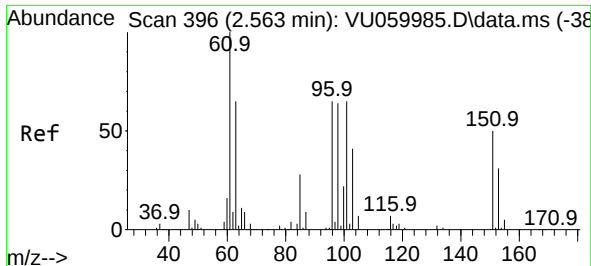
Tgt Ion: 64 Resp: 53163
Ion Ratio Lower Upper
64 100
66 33.0 22.3 41.3



#9
Trichlorofluoromethane
Concen: 50.138 ug/L
RT: 2.129 min Scan# 261
Delta R.T. 0.016 min
Lab File: VU060005.D
Acq: 17 Jul 2024 19:41

Tgt Ion:101 Resp: 108774
Ion Ratio Lower Upper
101 100
103 64.0 52.3 78.5

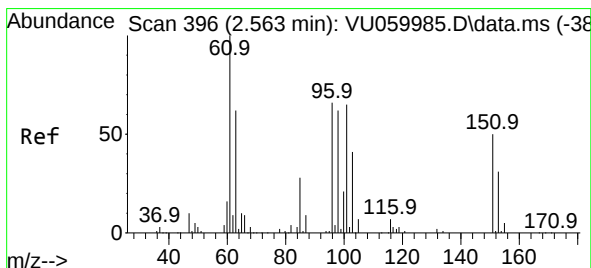
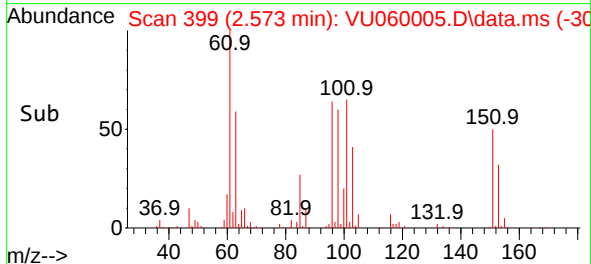
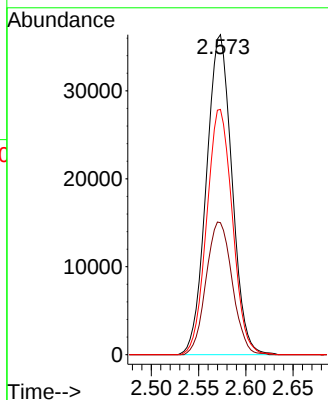
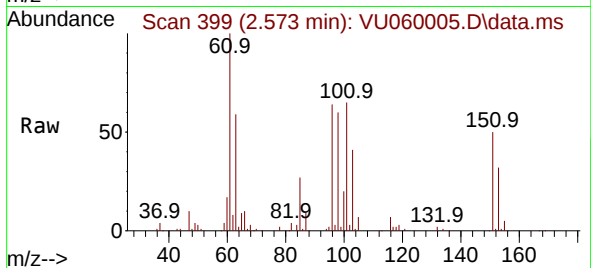




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 49.627 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.010 min
Lab File: VU060005.D
Acq: 17 Jul 2024 19:41

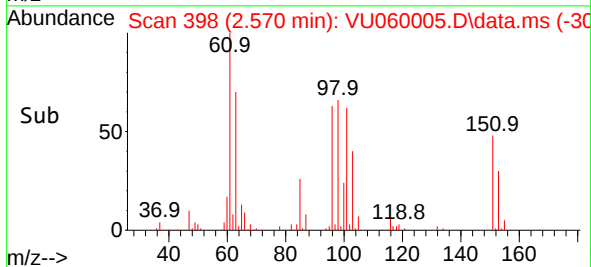
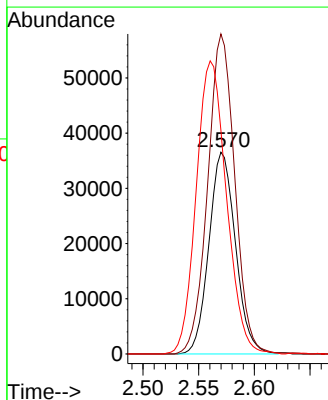
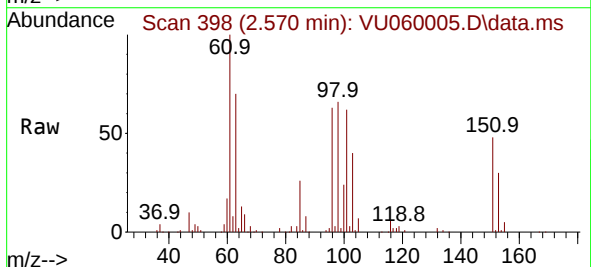
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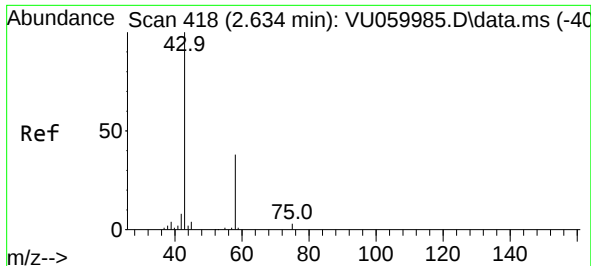
Tgt Ion:101 Resp: 68532
Ion Ratio Lower Upper
101 100
85 42.4 34.8 52.2
151 77.1 62.3 93.5



#12
1,1-Dichloroethene
Concen: 46.962 ug/L
RT: 2.570 min Scan# 398
Delta R.T. 0.007 min
Lab File: VU060005.D
Acq: 17 Jul 2024 19:41

Tgt Ion: 96 Resp: 60651
Ion Ratio Lower Upper
96 100
61 158.5 112.2 208.4
63 110.8 87.4 162.2

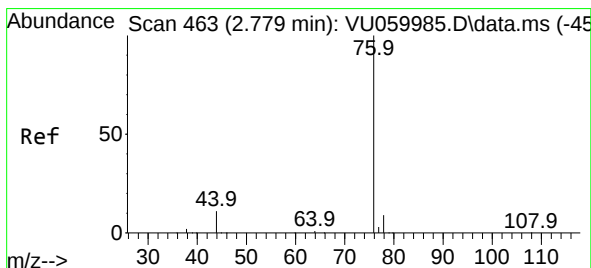
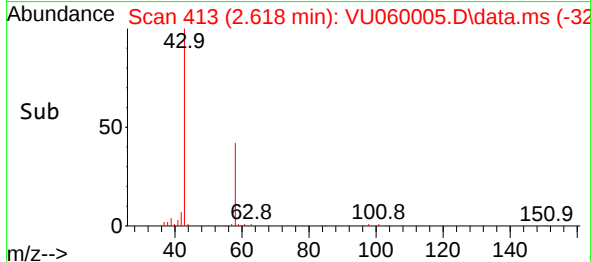
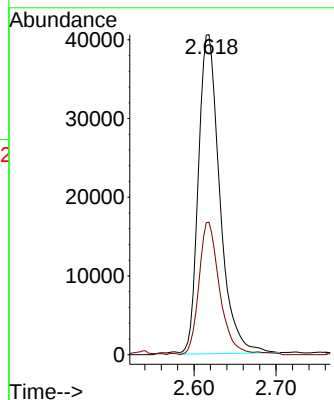
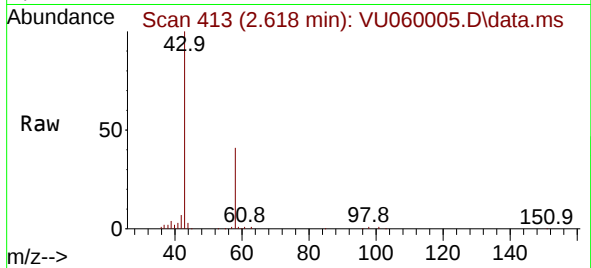




#13
Acetone
Concen: 73.316 ug/L
RT: 2.618 min Scan# 413
Delta R.T. -0.016 min
Lab File: VU060005.D
Acq: 17 Jul 2024 19:41

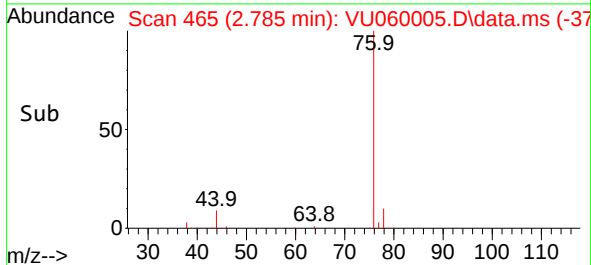
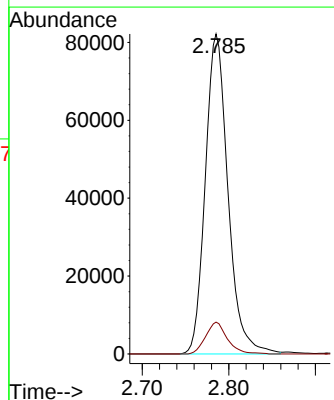
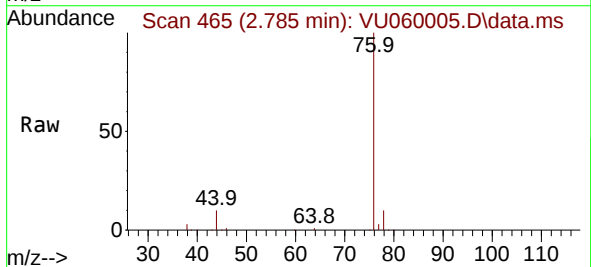
Instrument :
MSVOA_U
ClientSampleId :
E08F4MS

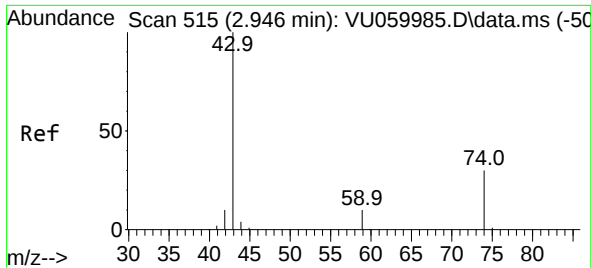
Tgt Ion: 43 Resp: 73375
Ion Ratio Lower Upper
43 100
58 39.9 0.0 73.8



#14
Carbon disulfide
Concen: 45.871 ug/L
RT: 2.785 min Scan# 465
Delta R.T. 0.007 min
Lab File: VU060005.D
Acq: 17 Jul 2024 19:41

Tgt Ion: 76 Resp: 149523
Ion Ratio Lower Upper
76 100
78 9.9 7.0 10.4

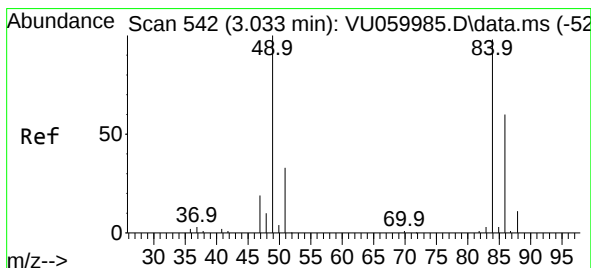
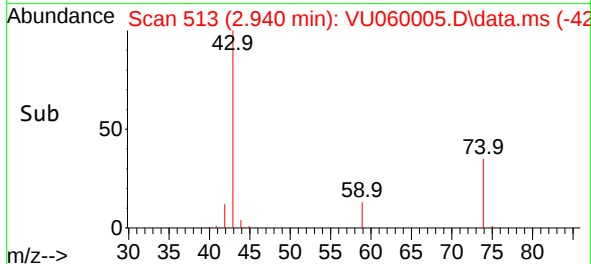
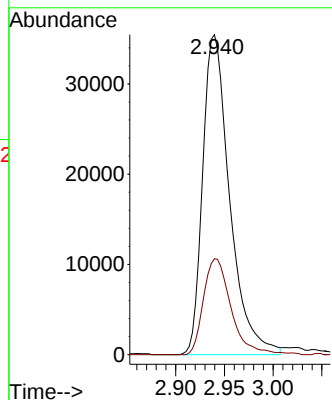
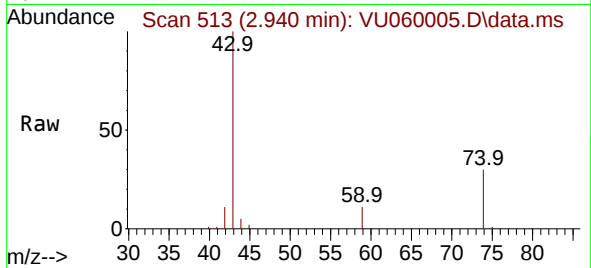




#15
Methyl Acetate
Concen: 45.355 ug/L
RT: 2.940 min Scan# 515
Delta R.T. -0.006 min
Lab File: VU060005.D
Acq: 17 Jul 2024 19:41

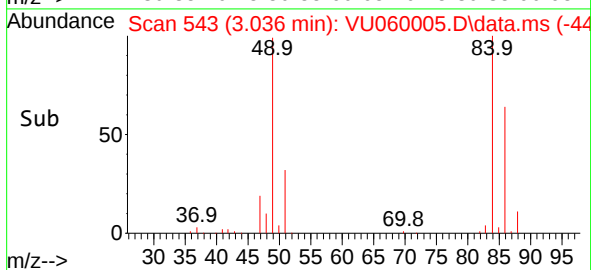
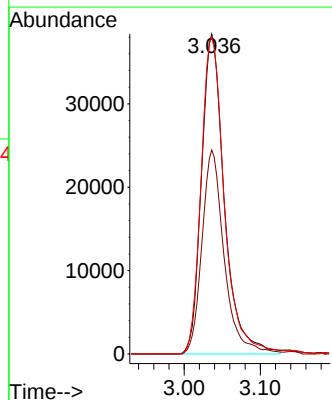
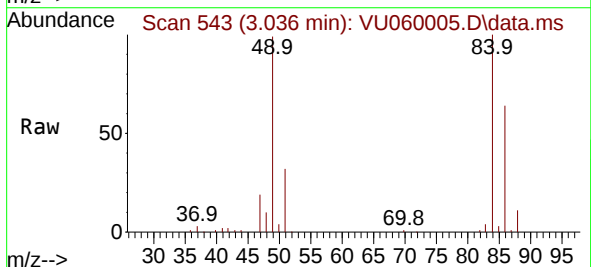
Instrument :
MSVOA_U
ClientSampleId :
E08F4MS

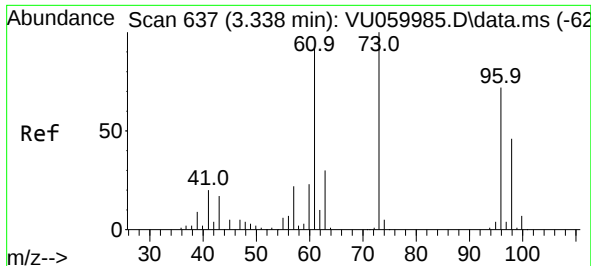
Tgt Ion: 43 Resp: 68436
Ion Ratio Lower Upper
43 100
74 30.3 24.1 36.1



#16
Methylene chloride
Concen: 49.163 ug/L
RT: 3.036 min Scan# 543
Delta R.T. 0.003 min
Lab File: VU060005.D
Acq: 17 Jul 2024 19:41

Tgt Ion: 84 Resp: 80065
Ion Ratio Lower Upper
84 100
86 63.8 44.7 83.1
49 99.0 71.6 133.0

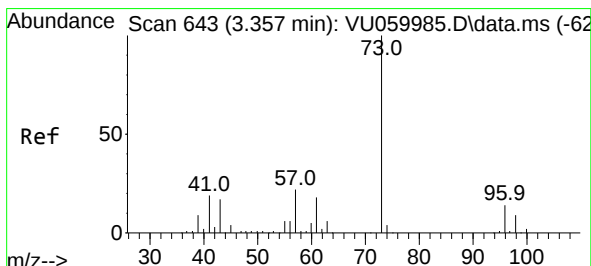
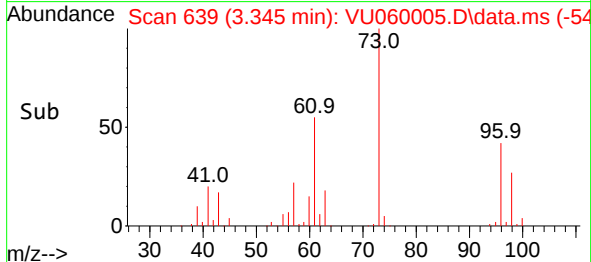
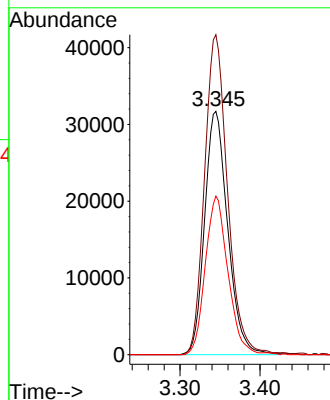
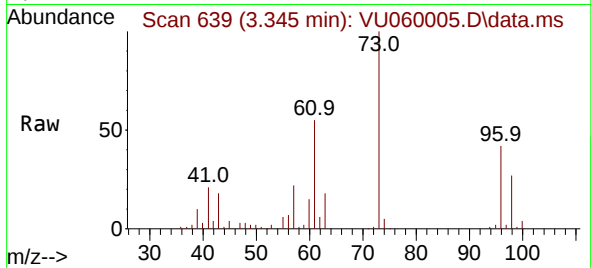




#17
trans-1,2-Dichloroethene
Concen: 47.969 ug/L
RT: 3.345 min Scan# 61
Delta R.T. 0.007 min
Lab File: VU060005.D
Acq: 17 Jul 2024 19:41

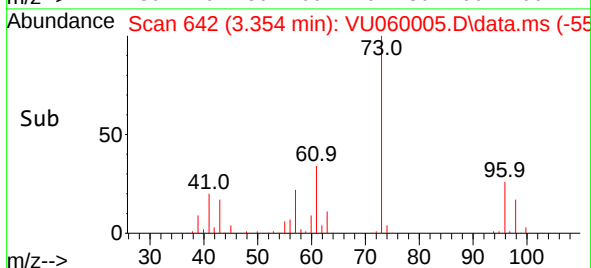
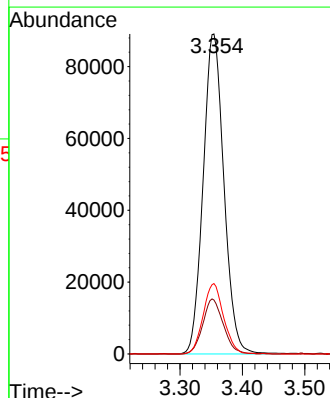
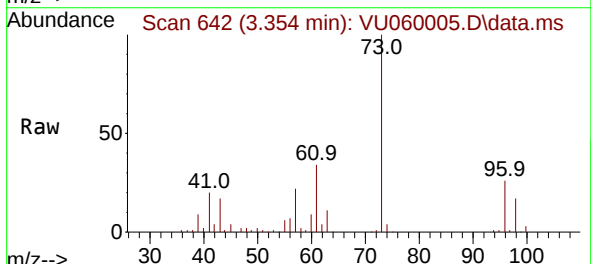
Instrument :
MSVOA_U
ClientSampleId :
E08F4MS

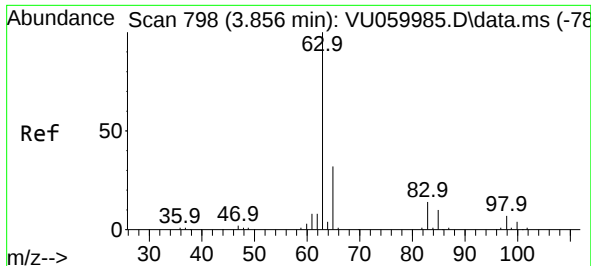
Tgt Ion: 96 Resp: 63779
Ion Ratio Lower Upper
96 100
61 131.5 90.6 168.3
98 65.1 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 47.773 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.003 min
Lab File: VU060005.D
Acq: 17 Jul 2024 19:41

Tgt Ion: 73 Resp: 206304
Ion Ratio Lower Upper
73 100
43 17.0 14.1 21.1
57 21.6 17.1 25.7





#19

1,1-Dichloroethane

Concen: 52.183 ug/L

RT: 3.859 min Scan# 798

Delta R.T. 0.003 min

Lab File: VU060005.D

Acq: 17 Jul 2024 19:41

Instrument :

MSVOA_U

ClientSampleId :

E08F4MS

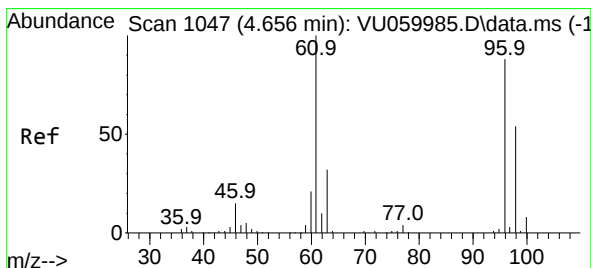
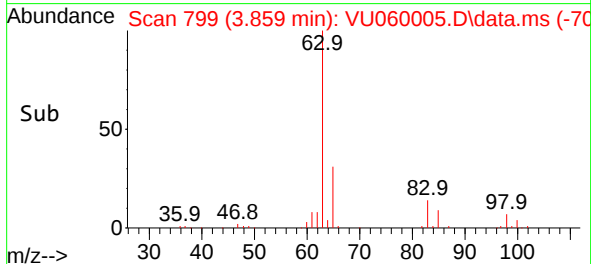
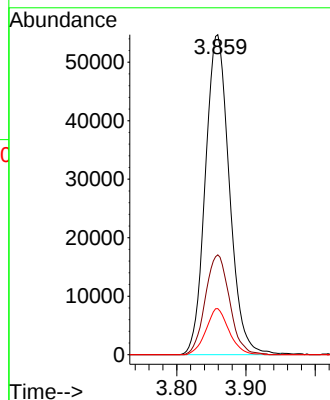
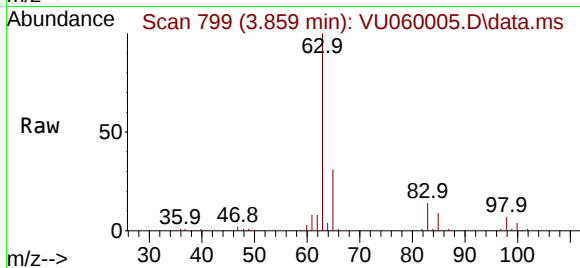
Tgt Ion: 63 Resp: 131591

Ion Ratio Lower Upper

63 100

65 31.2 23.3 43.3

83 14.4 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 49.214 ug/L

RT: 4.657 min Scan# 1047

Delta R.T. 0.000 min

Lab File: VU060005.D

Acq: 17 Jul 2024 19:41

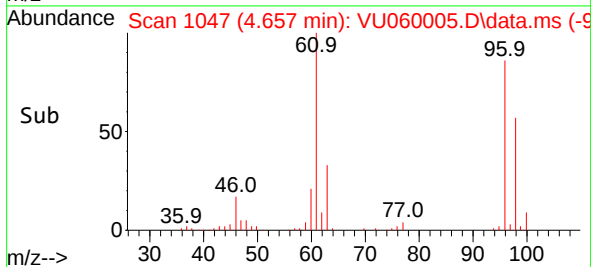
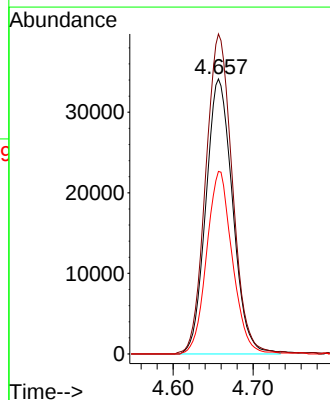
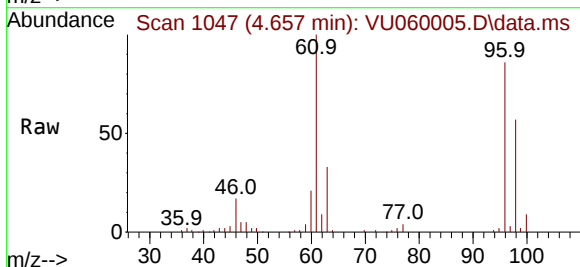
Tgt Ion: 96 Resp: 79234

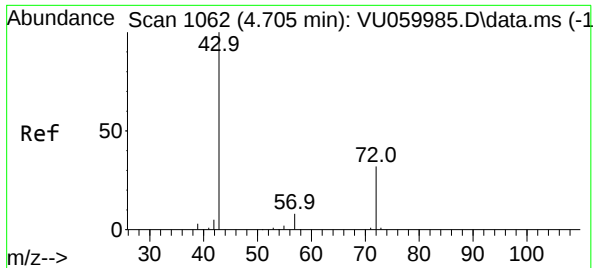
Ion Ratio Lower Upper

96 100

61 116.3 83.2 154.4

98 66.4 45.9 85.3

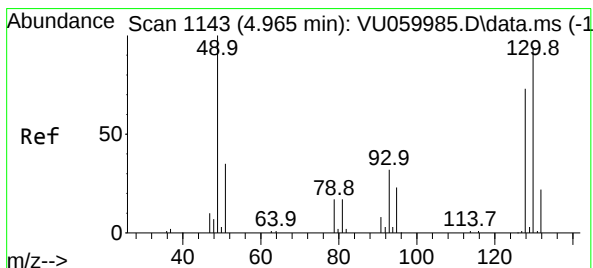
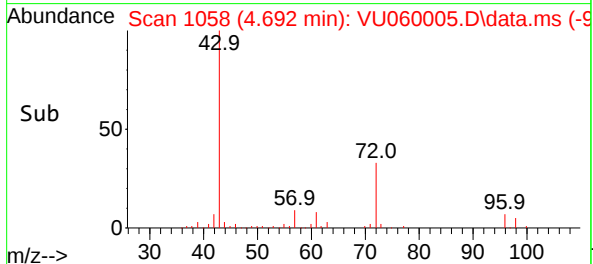
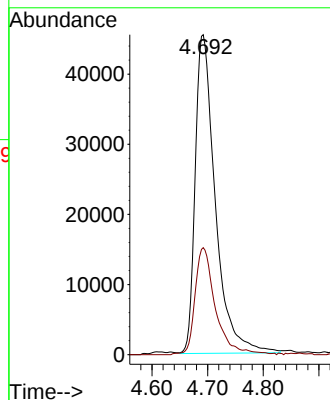
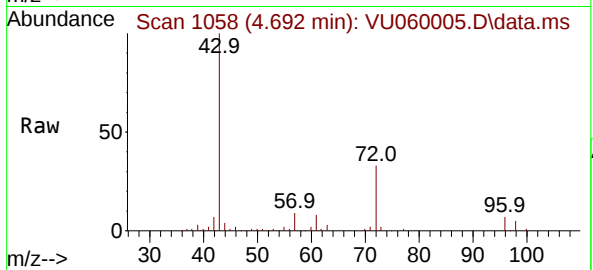




#22
2-Butanone
Concen: 92.580 ug/L
RT: 4.692 min Scan# 1058
Delta R.T. -0.013 min
Lab File: VU060005.D
Acq: 17 Jul 2024 19:41

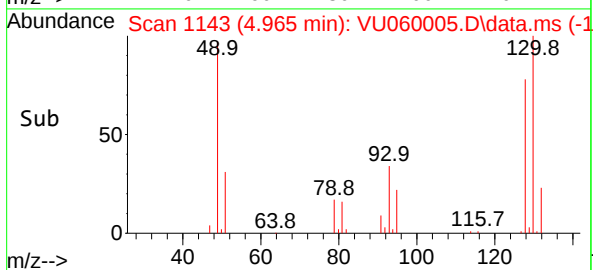
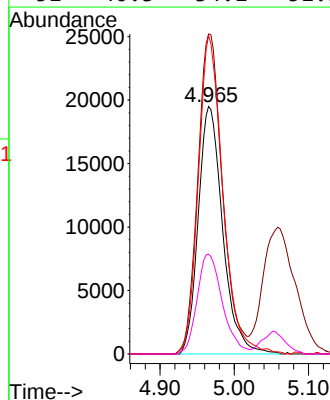
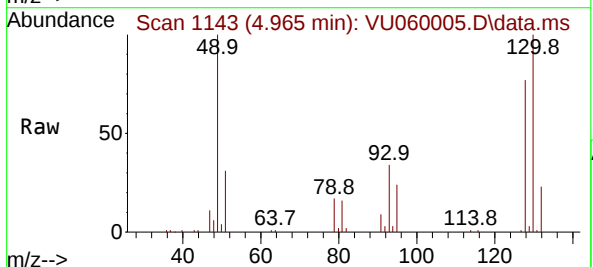
Instrument :
MSVOA_U
ClientSampleId :
E08F4MS

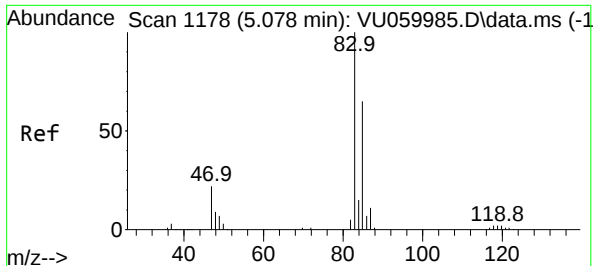
Tgt Ion: 43 Resp: 113997
Ion Ratio Lower Upper
43 100
72 32.9 16.4 49.2



#23
Bromochloromethane
Concen: 52.529 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. 0.000 min
Lab File: VU060005.D
Acq: 17 Jul 2024 19:41

Tgt Ion:128 Resp: 44608
Ion Ratio Lower Upper
128 100
49 129.3 96.7 179.7
130 128.7 86.3 160.3
51 40.3 34.1 51.1





#25

Chloroform

Concen: 53.384 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. 0.000 min

Lab File: VU060005.D

Acq: 17 Jul 2024 19:41

Instrument :

MSVOA_U

ClientSampleId :

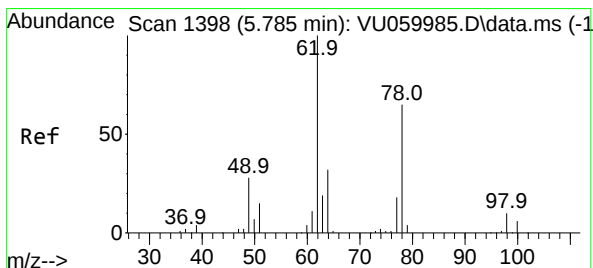
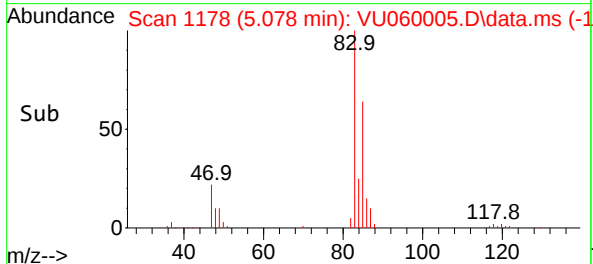
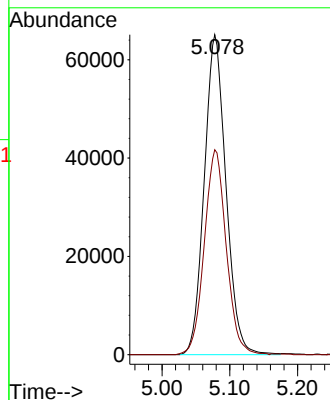
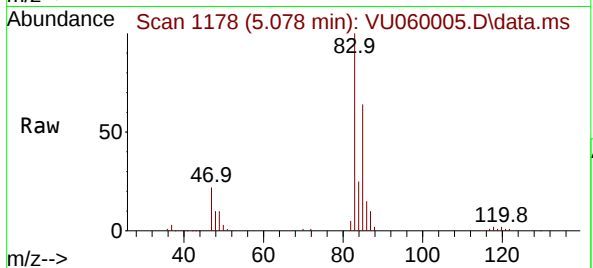
E08F4MS

Tgt Ion: 83 Resp: 144863

Ion Ratio Lower Upper

83 100

85 64.0 46.7 86.7



#27

1,2-Dichloroethane

Concen: 50.475 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.000 min

Lab File: VU060005.D

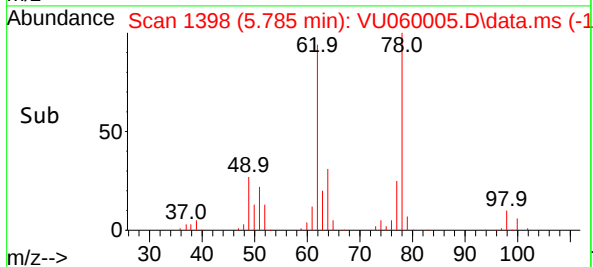
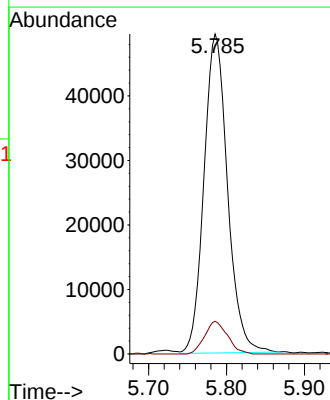
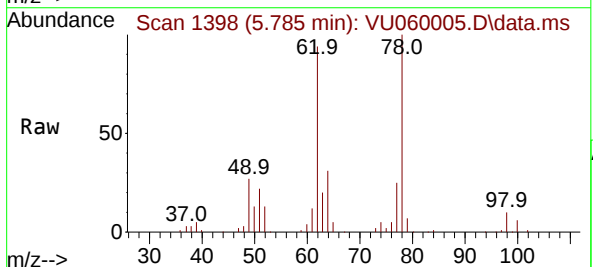
Acq: 17 Jul 2024 19:41

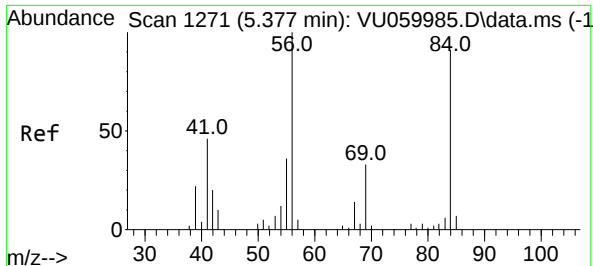
Tgt Ion: 62 Resp: 103981

Ion Ratio Lower Upper

62 100

98 10.2 7.8 11.8





#29

Cyclohexane

Concen: 42.727 ug/L

RT: 5.380 min Scan# 1271

Delta R.T. 0.003 min

Lab File: VU060005.D

Acq: 17 Jul 2024 19:41

Instrument :

MSVOA_U

ClientSampleId :

E08F4MS

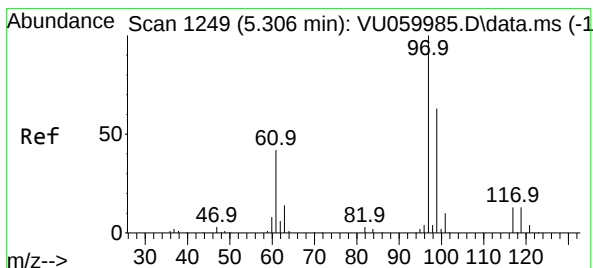
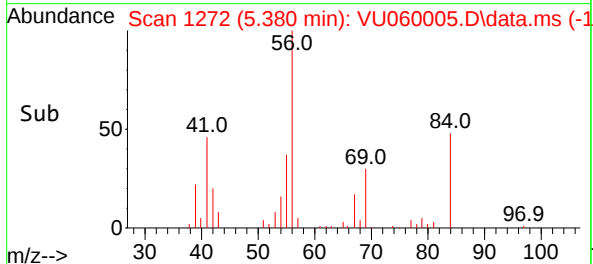
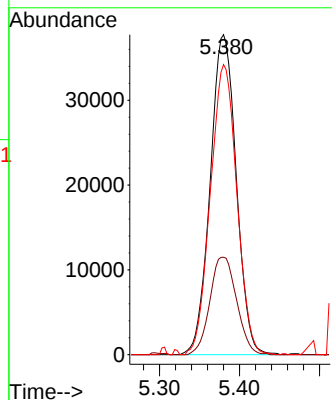
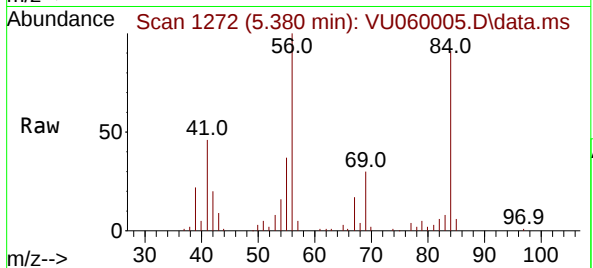
Tgt Ion: 56 Resp: 85417

Ion Ratio Lower Upper

56 100

69 31.2 26.0 39.0

84 91.9 75.5 113.3



#30

1,1,1-Trichloroethane

Concen: 47.840 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. 0.000 min

Lab File: VU060005.D

Acq: 17 Jul 2024 19:41

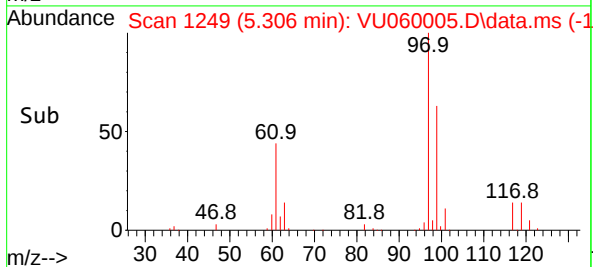
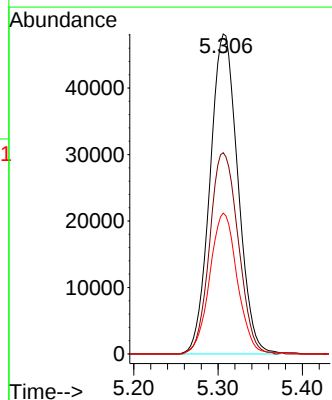
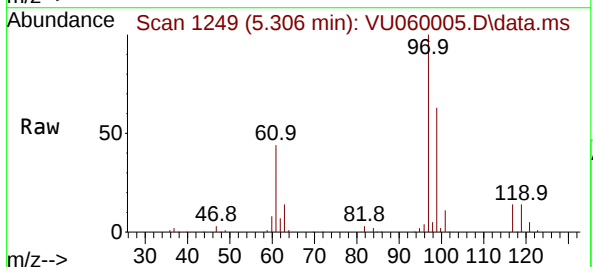
Tgt Ion: 97 Resp: 110652

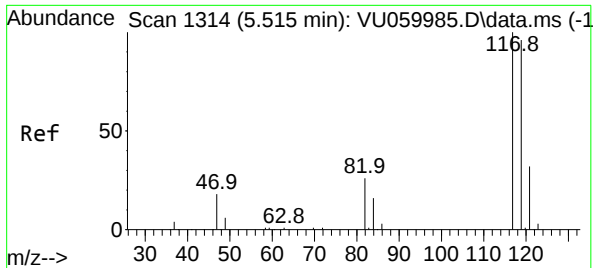
Ion Ratio Lower Upper

97 100

99 64.3 52.2 78.2

61 43.5 35.2 52.8

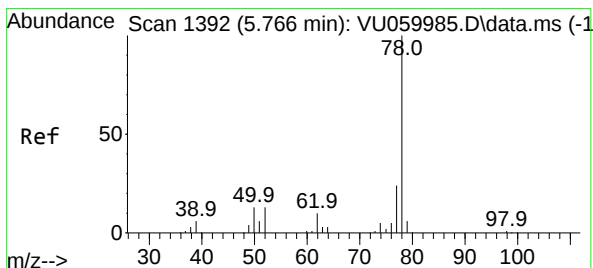
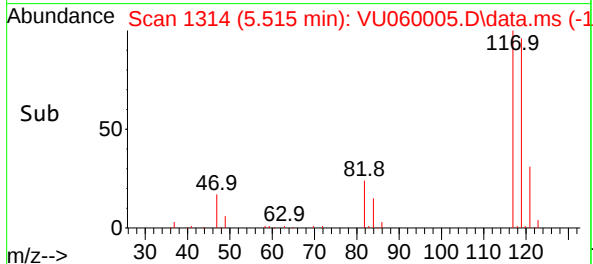
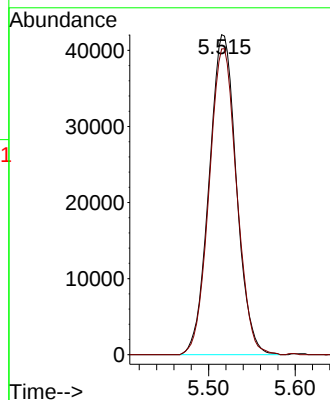
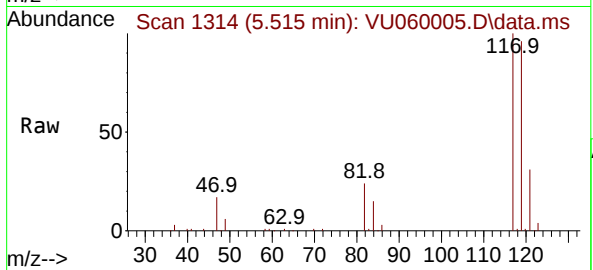




#31
Carbon tetrachloride
Concen: 48.217 ug/L
RT: 5.515 min Scan# 116
Delta R.T. 0.000 min
Lab File: VU060005.D
Acq: 17 Jul 2024 19:41

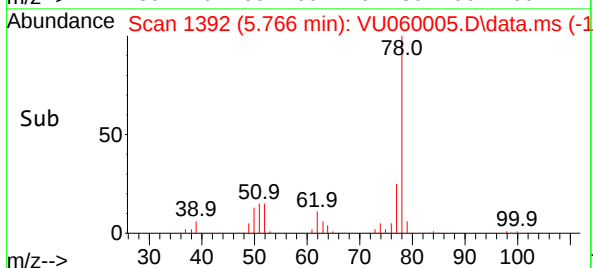
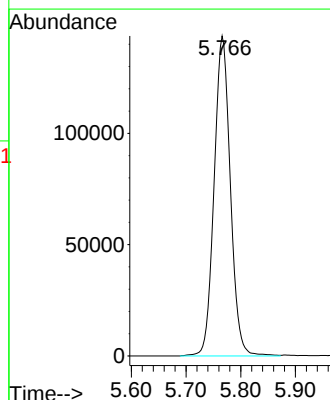
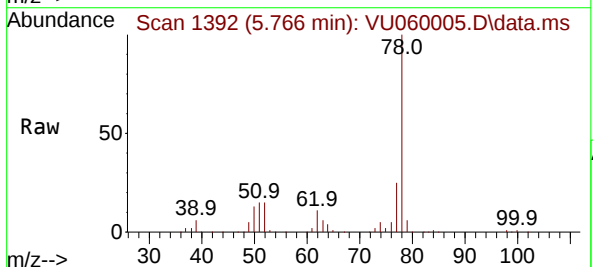
Instrument :
MSVOA_U
ClientSampleId :
E08F4MS

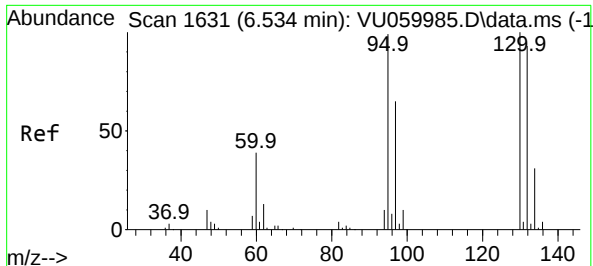
Tgt Ion:117 Resp: 92122
Ion Ratio Lower Upper
117 100
119 96.4 77.6 116.4



#33
Benzene
Concen: 49.206 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU060005.D
Acq: 17 Jul 2024 19:41

Tgt Ion: 78 Resp: 296665





#34

Trichloroethene

Concen: 46.482 ug/L

RT: 6.538 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU060005.D

Acq: 17 Jul 2024 19:41

Instrument :

MSVOA_U

ClientSampleId :

E08F4MS

Tgt Ion: 95 Resp: 74784

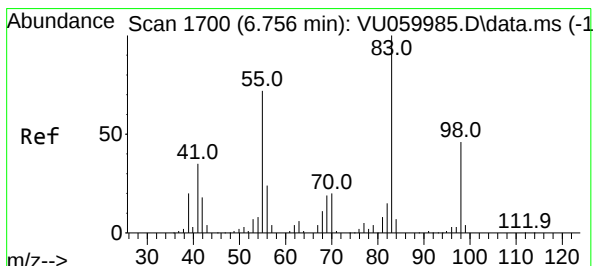
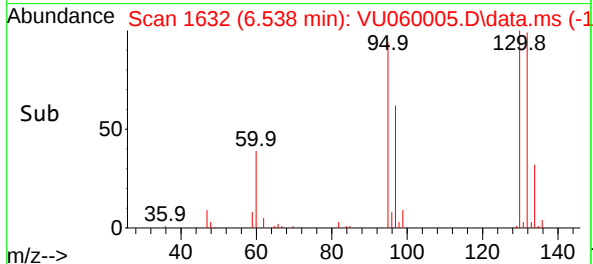
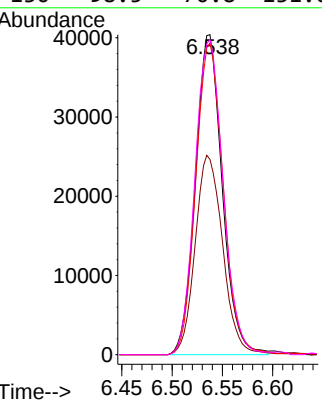
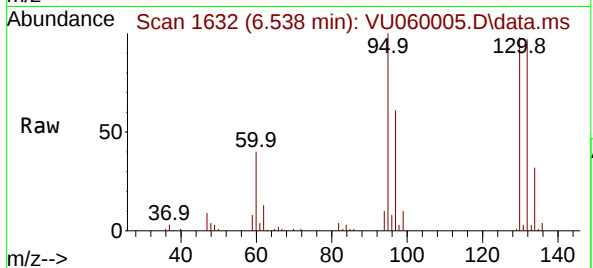
Ion Ratio Lower Upper

95 100

97 61.0 45.8 85.2

132 97.5 69.8 129.6

130 98.5 70.8 131.6



#35

Methylcyclohexane

Concen: 41.371 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VU060005.D

Acq: 17 Jul 2024 19:41

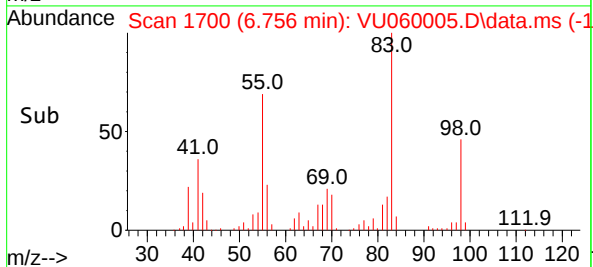
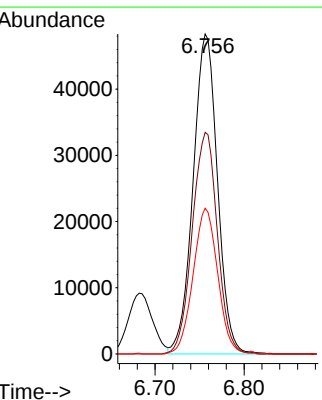
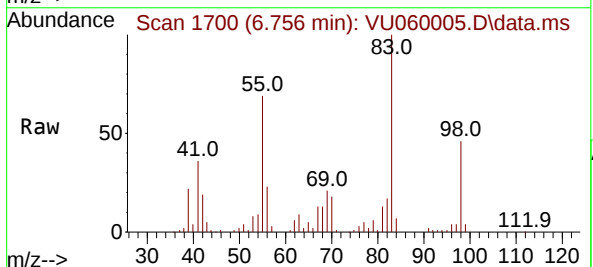
Tgt Ion: 83 Resp: 91926

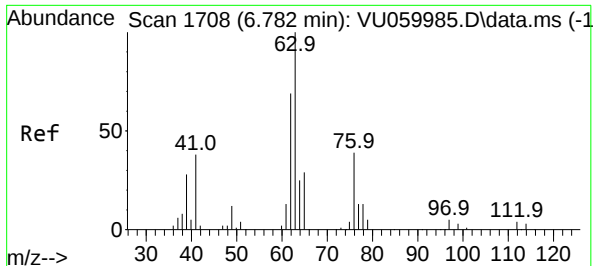
Ion Ratio Lower Upper

83 100

55 71.3 56.8 85.2

98 45.9 36.5 54.7





#37

1,2-Dichloropropane

Concen: 50.542 ug/L

RT: 6.782 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU060005.D

Acq: 17 Jul 2024 19:41

Instrument :

MSVOA_U

ClientSampleId :

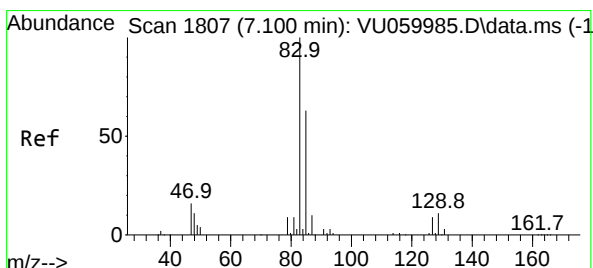
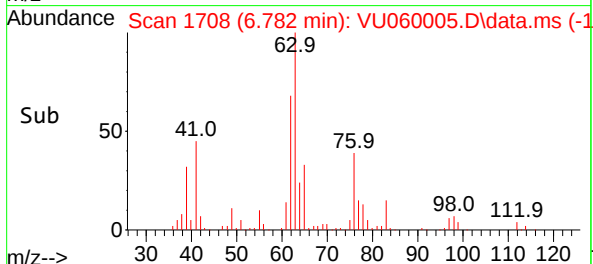
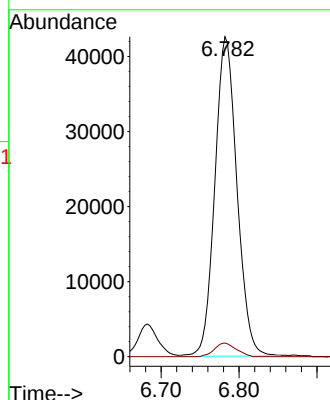
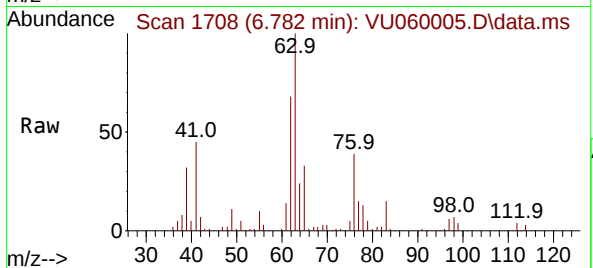
E08F4MS

Tgt Ion: 63 Resp: 83873

Ion Ratio Lower Upper

63 100

112 4.2 3.0 4.6



#38

Bromodichloromethane

Concen: 52.942 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU060005.D

Acq: 17 Jul 2024 19:41

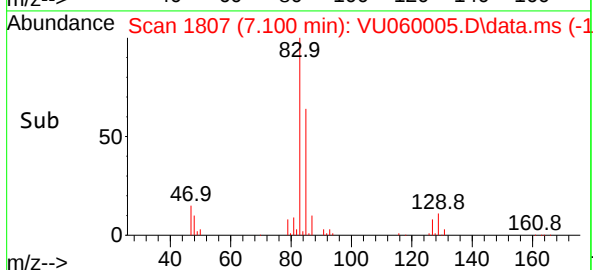
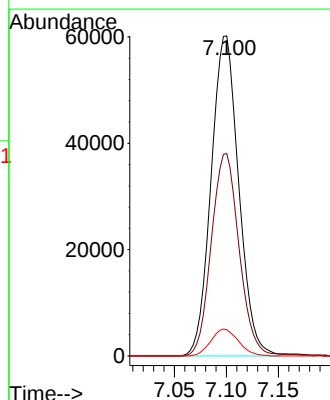
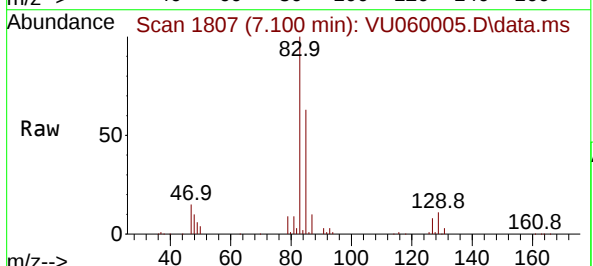
Tgt Ion: 83 Resp: 111321

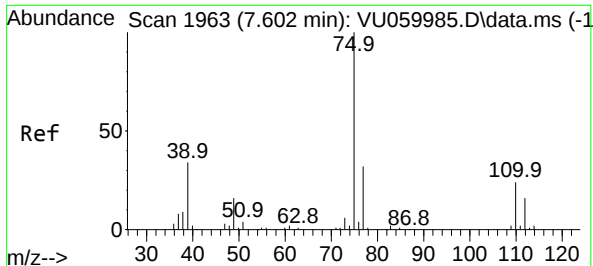
Ion Ratio Lower Upper

83 100

85 63.2 45.0 83.6

127 8.9 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 43.708 ug/L

RT: 7.602 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU060005.D

Acq: 17 Jul 2024 19:41

Instrument :

MSVOA_U

ClientSampleId :

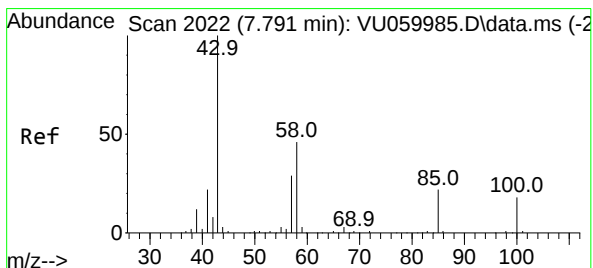
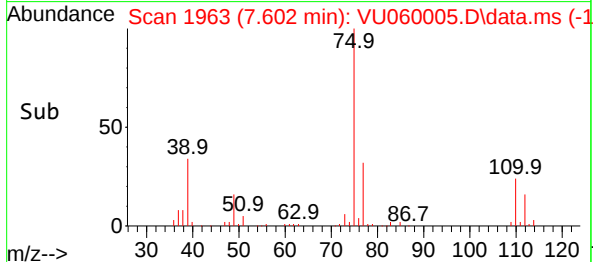
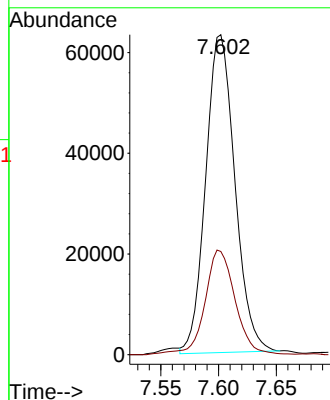
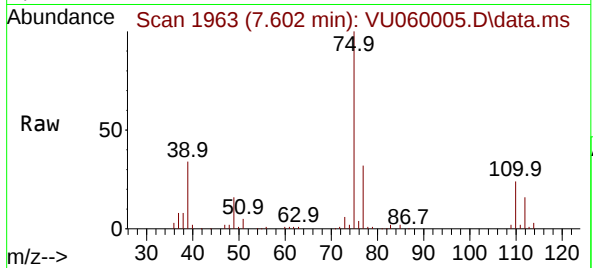
E08F4MS

Tgt Ion: 75 Resp: 110974

Ion Ratio Lower Upper

75 100

77 32.3 21.6 40.2



#40

4-Methyl-2-pentanone

Concen: 100.529 ug/L

RT: 7.782 min Scan# 2019

Delta R.T. -0.009 min

Lab File: VU060005.D

Acq: 17 Jul 2024 19:41

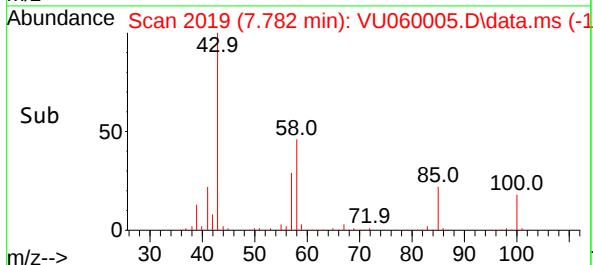
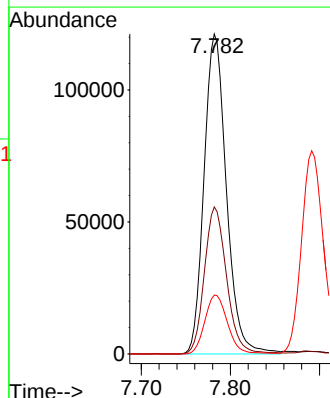
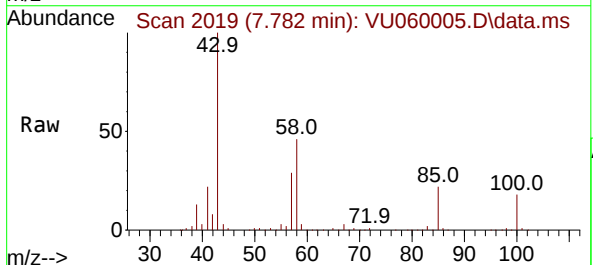
Tgt Ion: 43 Resp: 210851

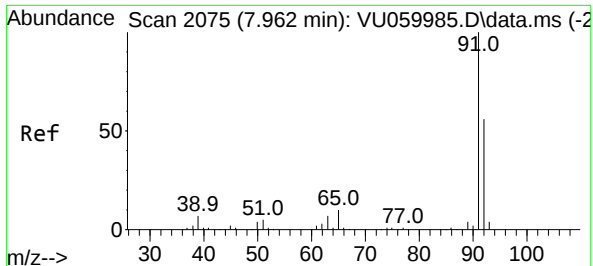
Ion Ratio Lower Upper

43 100

58 45.5 35.3 52.9

100 18.7 14.6 22.0





#42

Toluene

Concen: 49.077 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU060005.D

Acq: 17 Jul 2024 19:41

Instrument :

MSVOA_U

ClientSampleId :

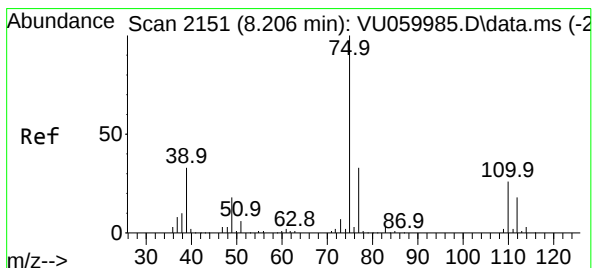
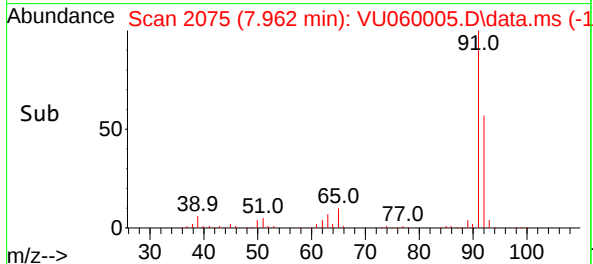
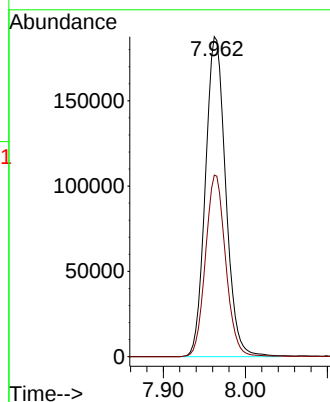
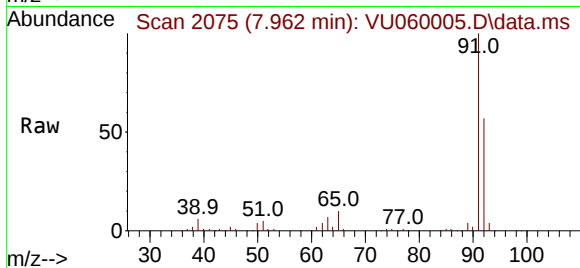
E08F4MS

Tgt Ion: 91 Resp: 323014

Ion Ratio Lower Upper

91 100

92 56.8 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 46.591 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU060005.D

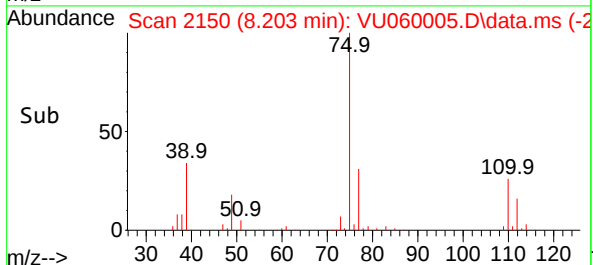
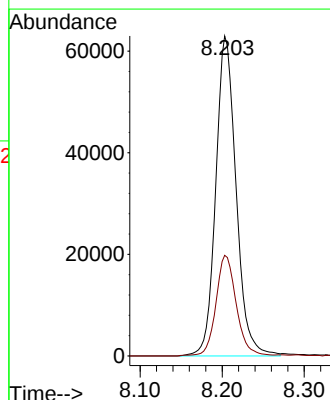
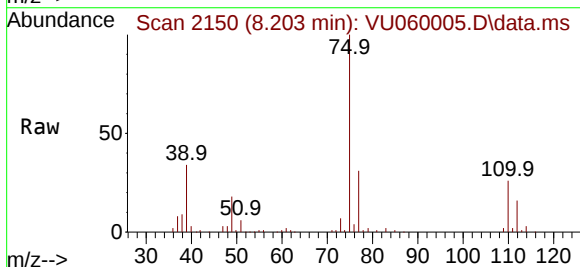
Acq: 17 Jul 2024 19:41

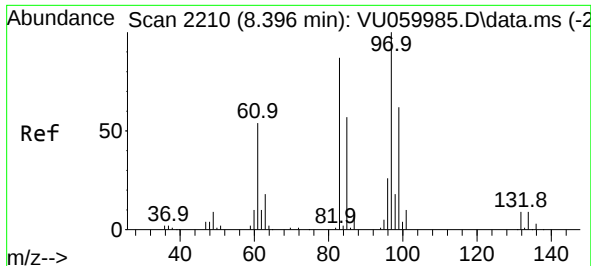
Tgt Ion: 75 Resp: 108661

Ion Ratio Lower Upper

75 100

77 31.5 21.7 40.3

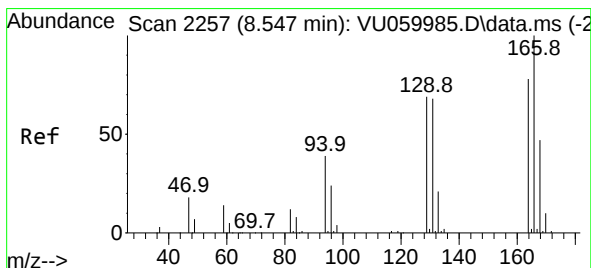
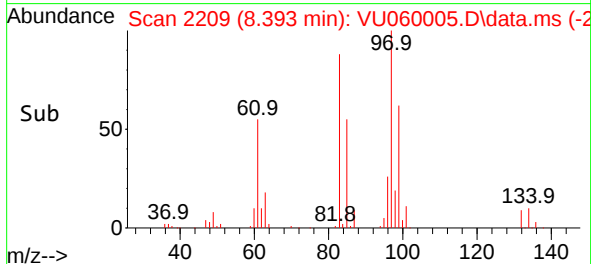
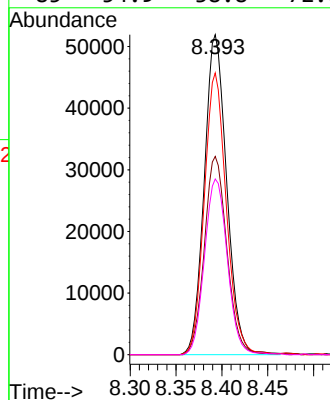
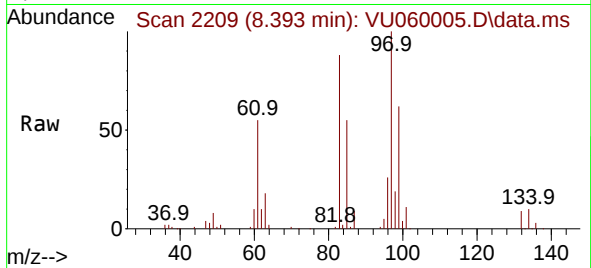




#45
1,1,2-Trichloroethane
Concen: 50.893 ug/L
RT: 8.393 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU060005.D
Acq: 17 Jul 2024 19:41

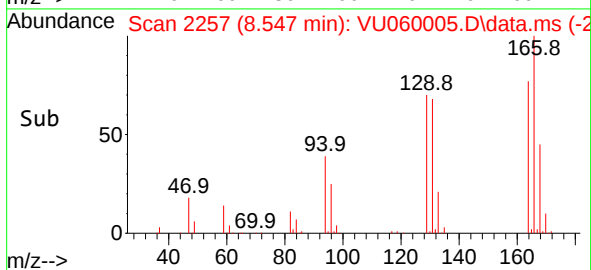
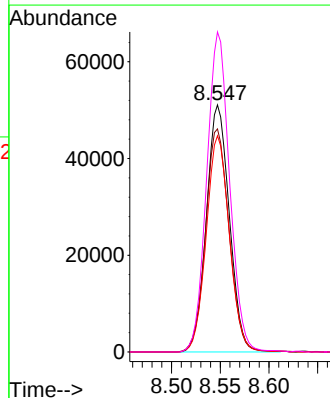
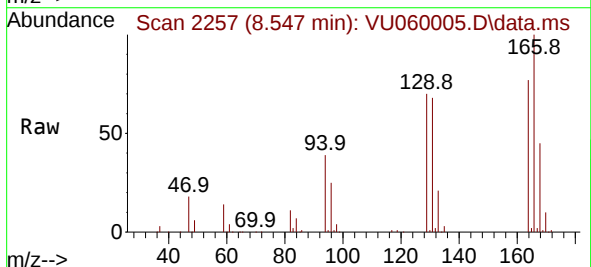
Instrument :
MSVOA_U
ClientSampleId :
E08F4MS

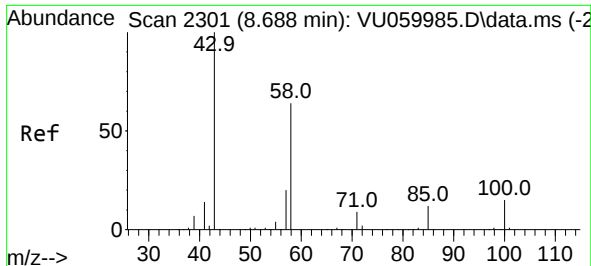
Tgt Ion:	97	Resp:	88449
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.1	80.1
83	88.1	60.4	112.2
85	54.9	38.8	72.0



#46
Tetrachloroethene
Concen: 63.296 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU060005.D
Acq: 17 Jul 2024 19:41

Tgt Ion:	164	Resp:	83775
Ion	Ratio	Lower	Upper
164	100		
129	90.3	62.7	116.5
131	87.5	62.3	115.7
166	129.6	88.9	165.1

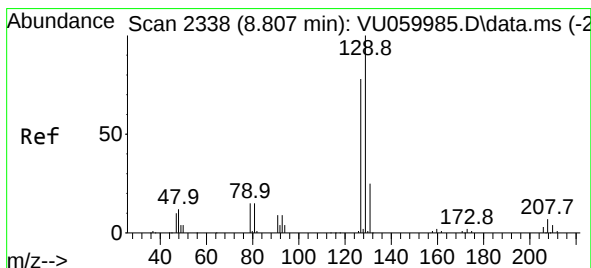
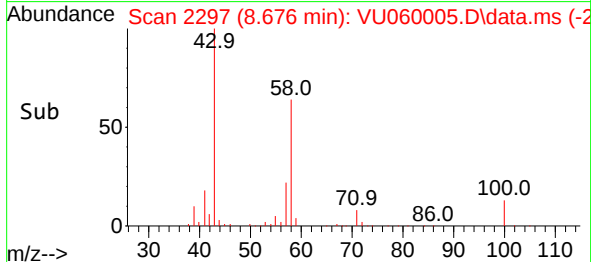
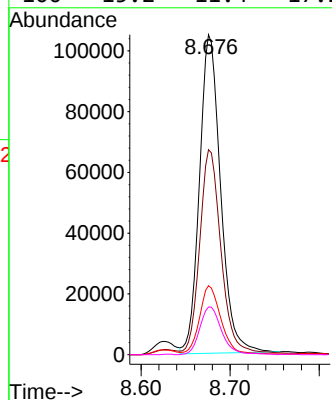
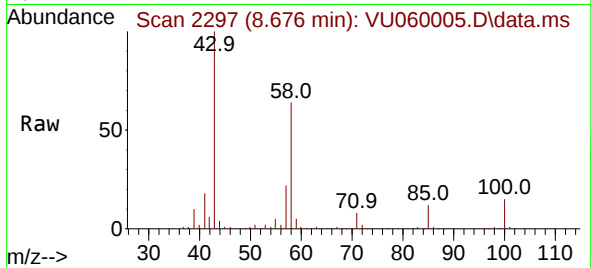




#48
2-Hexanone
Concen: 98.671 ug/L
RT: 8.676 min Scan# 21
Delta R.T. -0.013 min
Lab File: VU060005.D
Acq: 17 Jul 2024 19:41

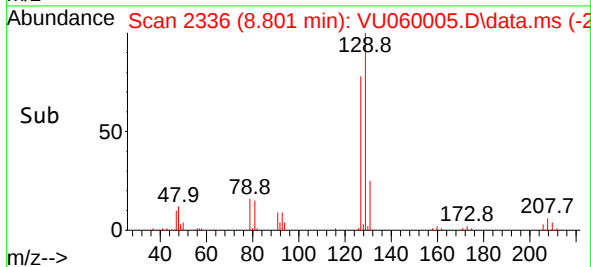
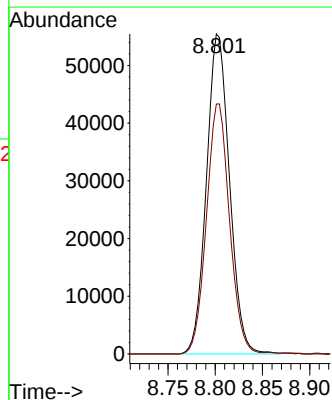
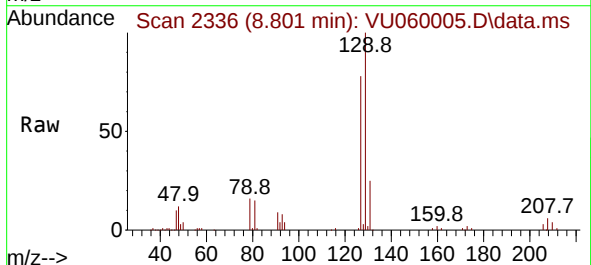
Instrument :
MSVOA_U
ClientSampleId :
E08F4MS

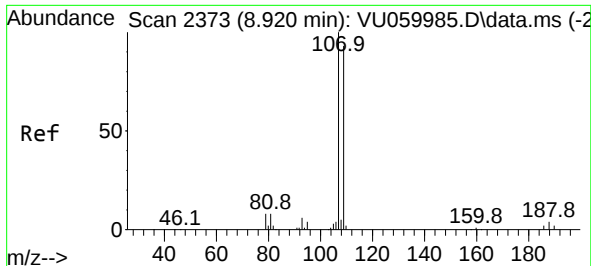
Tgt Ion: 43	Resp: 173205
Ion Ratio	Lower Upper
43 100	
58 64.5	49.0 73.6
57 21.7	16.7 25.1
100 15.2	11.4 17.2



#49
Dibromochloromethane
Concen: 55.078 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.006 min
Lab File: VU060005.D
Acq: 17 Jul 2024 19:41

Tgt Ion:129	Resp:	94315	
Ion	Ratio	Lower	Upper
129	100		
127	78.1	54.0	100.2





#50

1,2-Dibromoethane

Concen: 49.821 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU060005.D

Acq: 17 Jul 2024 19:41

Instrument :

MSVOA_U

ClientSampleId :

E08F4MS

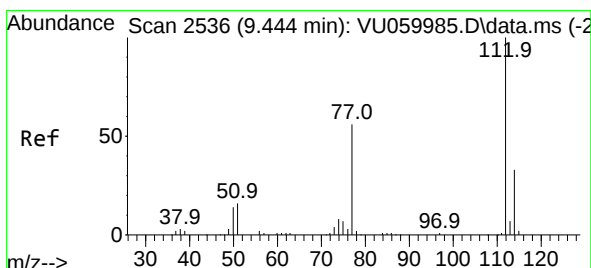
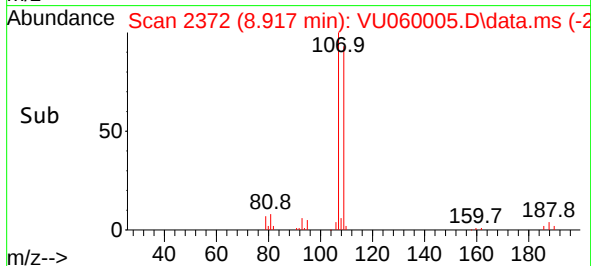
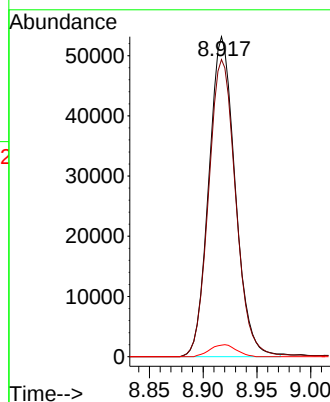
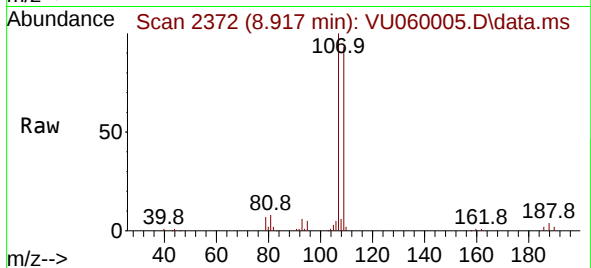
Tgt Ion:107 Resp: 90531

Ion Ratio Lower Upper

107 100

109 92.8 65.5 121.6

188 3.6 3.0 4.4



#51

Chlorobenzene

Concen: 47.206 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU060005.D

Acq: 17 Jul 2024 19:41

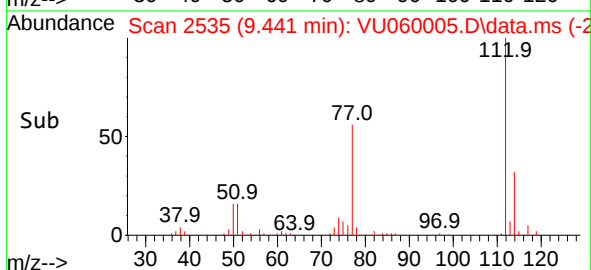
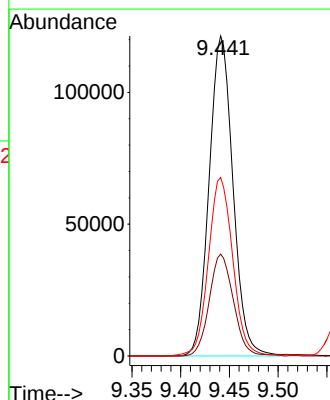
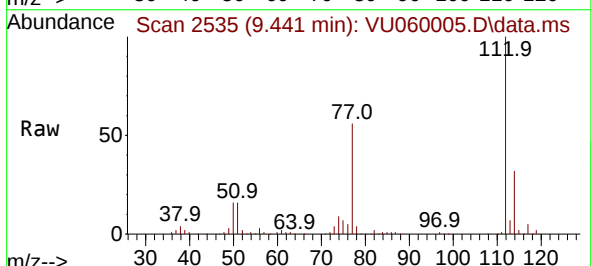
Tgt Ion:112 Resp: 206270

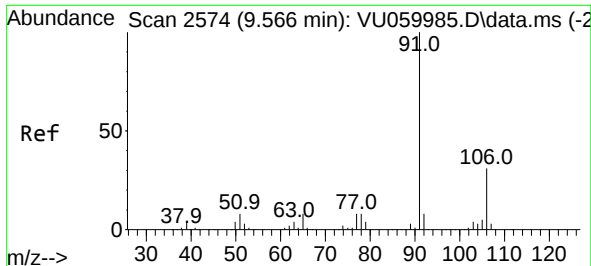
Ion Ratio Lower Upper

112 100

114 31.9 22.7 42.3

77 55.8 45.8 68.6

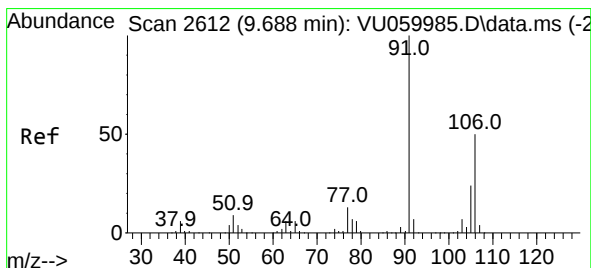
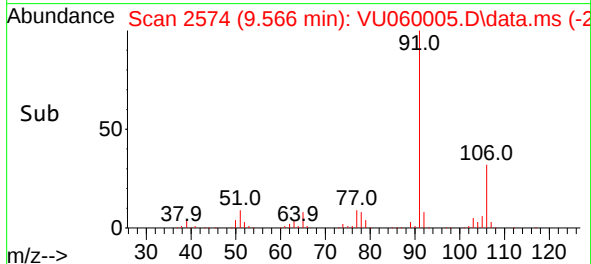
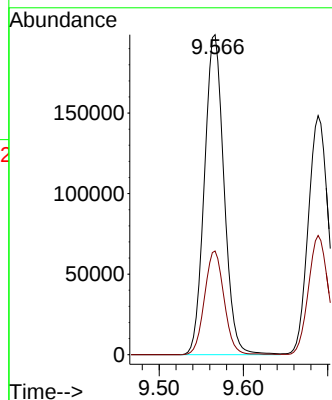
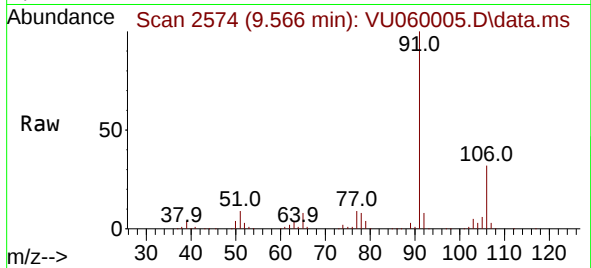




#52
Ethylbenzene
Concen: 45.768 ug/L
RT: 9.566 min Scan# 2168
Delta R.T. 0.000 min
Lab File: VU060005.D
Acq: 17 Jul 2024 19:41

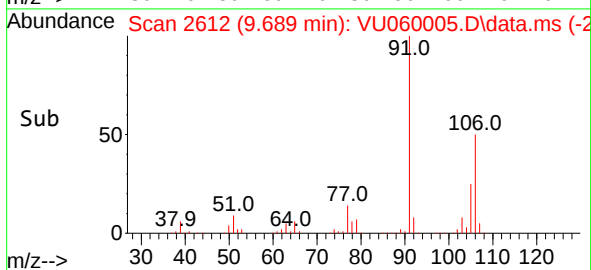
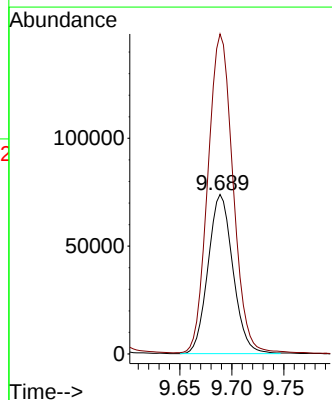
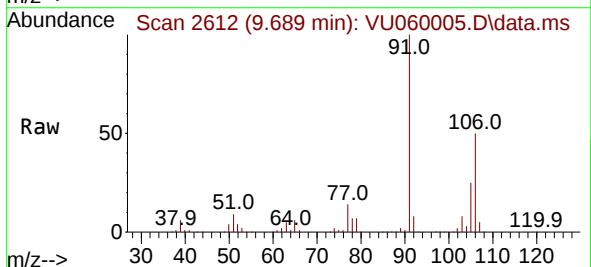
Instrument :
MSVOA_U
ClientSampleId :
E08F4MS

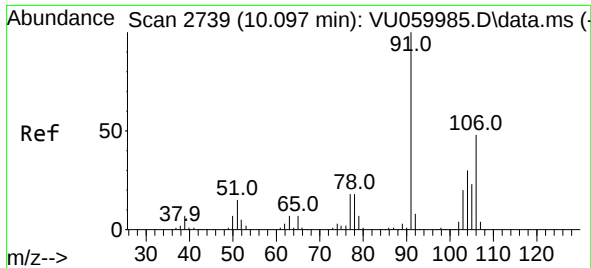
Tgt Ion: 91 Resp: 321688
Ion Ratio Lower Upper
91 100
106 32.4 22.4 41.6



#53
m,p-Xylene
Concen: 44.803 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU060005.D
Acq: 17 Jul 2024 19:41

Tgt Ion: 106 Resp: 122611
Ion Ratio Lower Upper
106 100
91 200.7 140.9 261.7

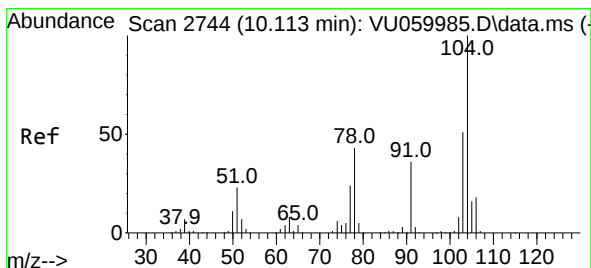
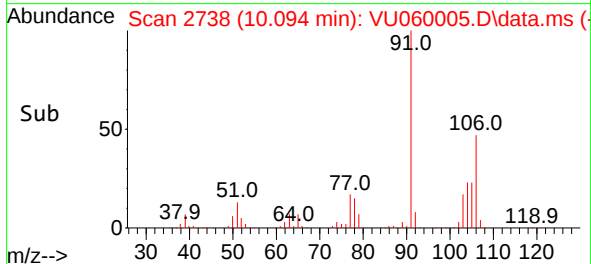
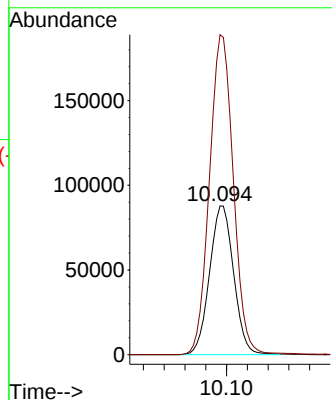
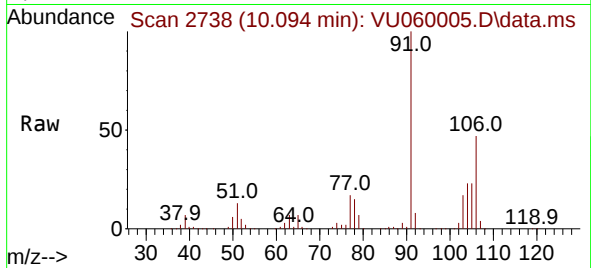




#54
o-Xylene
Concen: 53.727 ug/L
RT: 10.094 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU060005.D
Acq: 17 Jul 2024 19:41

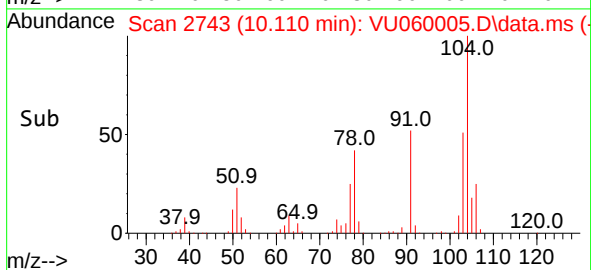
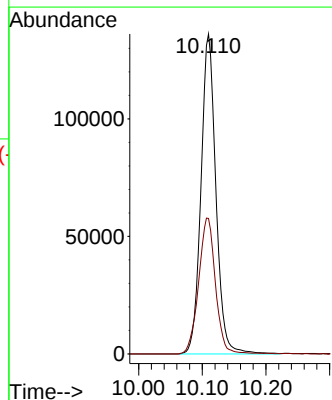
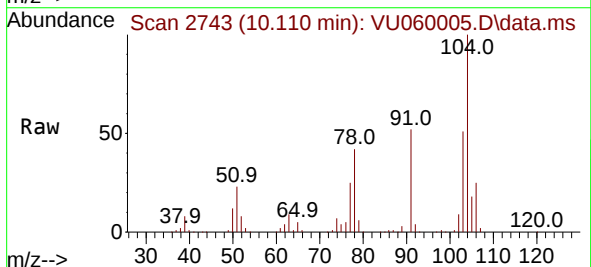
Instrument :
MSVOA_U
ClientSampleId :
E08F4MS

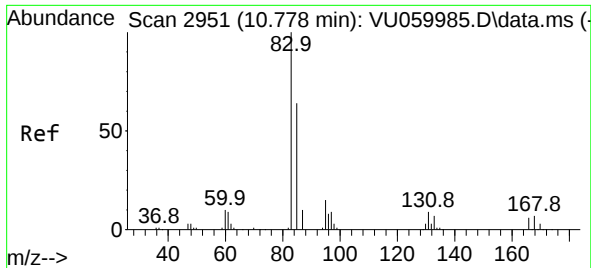
Tgt Ion:106 Resp: 141392
Ion Ratio Lower Upper
106 100
91 214.9 147.4 273.8



#55
Styrene
Concen: 49.982 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.003 min
Lab File: VU060005.D
Acq: 17 Jul 2024 19:41

Tgt Ion:104 Resp: 221910
Ion Ratio Lower Upper
104 100
78 42.4 30.9 57.5

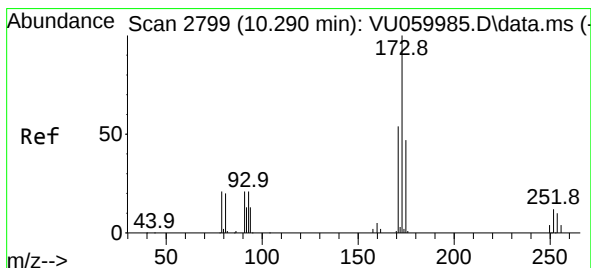
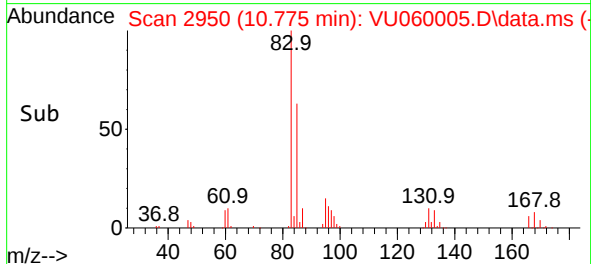
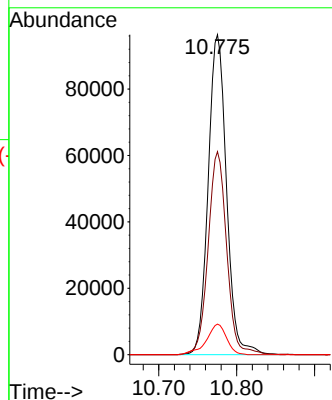
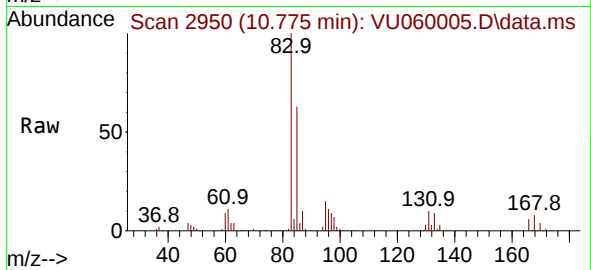




#57
 1,1,2,2-Tetrachloroethane
 Concen: 53.617 ug/L
 RT: 10.775 min Scan# 2951
 Delta R.T. -0.003 min
 Lab File: VU060005.D
 Acq: 17 Jul 2024 19:41

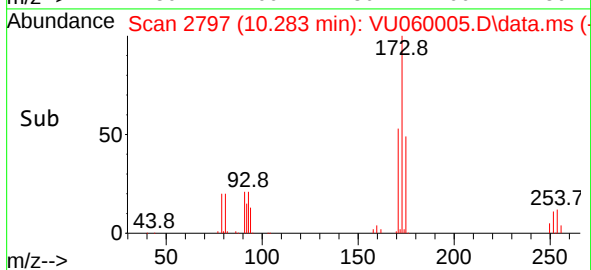
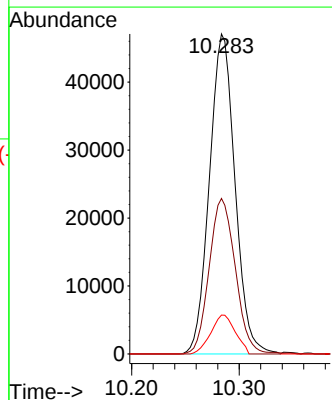
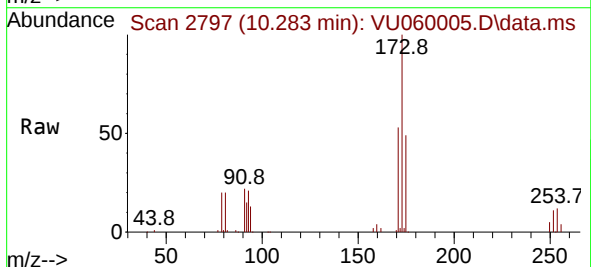
Instrument :
 MSVOA_U
 ClientSampleId :
 E08F4MS

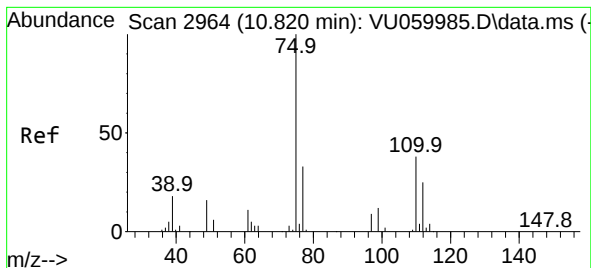
Tgt Ion: 83 Resp: 157144
 Ion Ratio Lower Upper
 83 100
 85 63.5 45.4 84.2
 131 9.6 7.5 11.3



#59
 Bromoform
 Concen: 55.260 ug/L
 RT: 10.283 min Scan# 2797
 Delta R.T. -0.006 min
 Lab File: VU060005.D
 Acq: 17 Jul 2024 19:41

Tgt Ion:173 Resp: 77748
 Ion Ratio Lower Upper
 173 100
 175 49.7 39.4 59.2
 254 11.6 9.0 13.4





#60

1,2,3-Trichloropropane

Concen: 52.593 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. -0.003 min

Lab File: VU060005.D

Acq: 17 Jul 2024 19:41

Instrument :

MSVOA_U

ClientSampleId :

E08F4MS

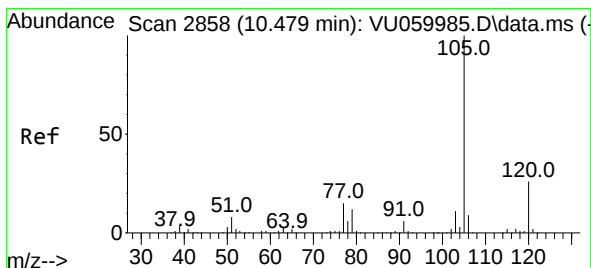
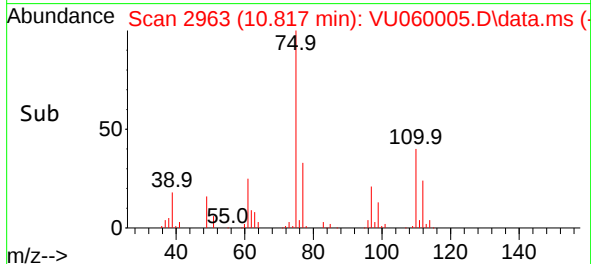
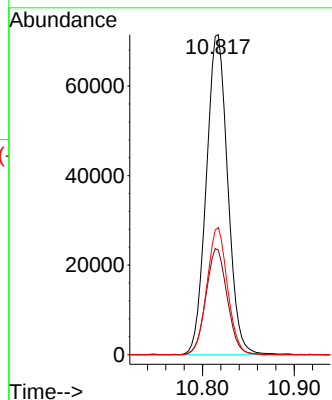
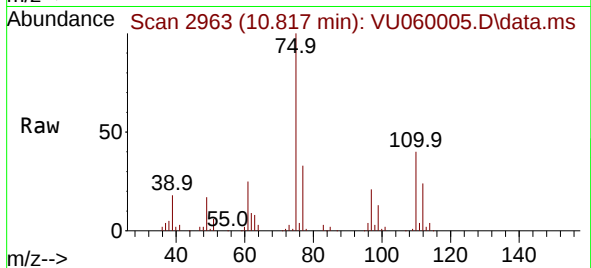
Tgt Ion: 75 Resp: 116144

Ion Ratio Lower Upper

75 100

77 32.9 25.5 38.3

110 38.2 30.7 46.1



#61

Isopropylbenzene

Concen: 46.693 ug/L

RT: 10.480 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU060005.D

Acq: 17 Jul 2024 19:41

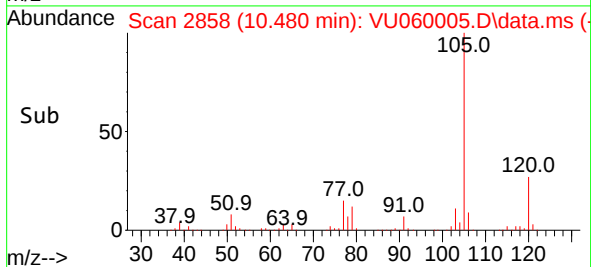
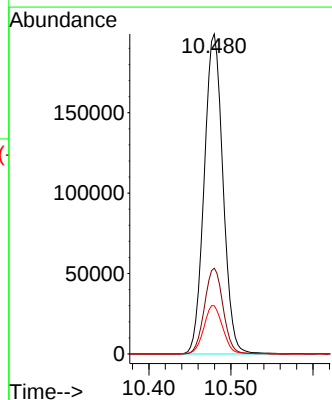
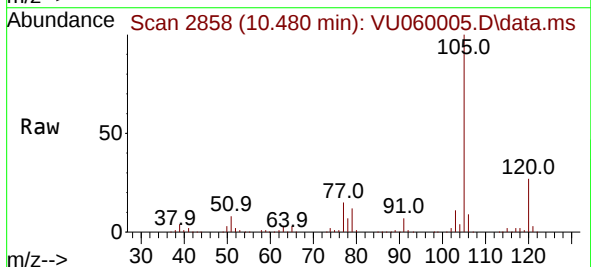
Tgt Ion: 105 Resp: 316714

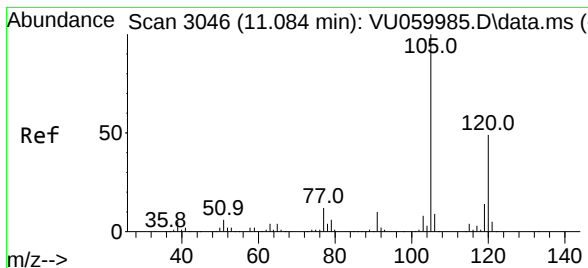
Ion Ratio Lower Upper

105 100

120 26.6 20.9 31.3

77 15.2 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 44.179 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU060005.D

Acq: 17 Jul 2024 19:41

Instrument :

MSVOA_U

ClientSampleId :

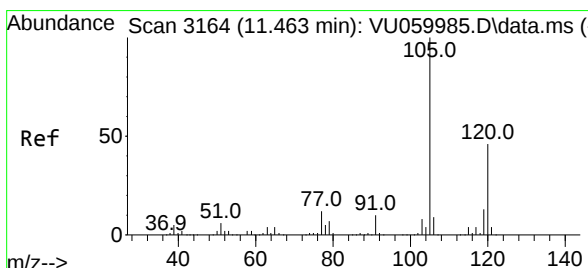
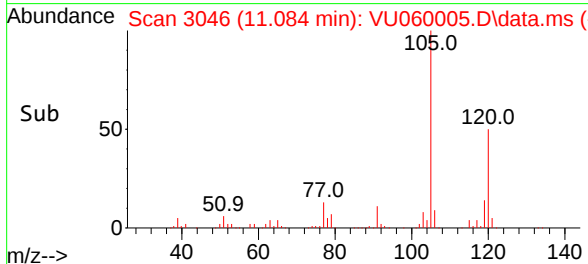
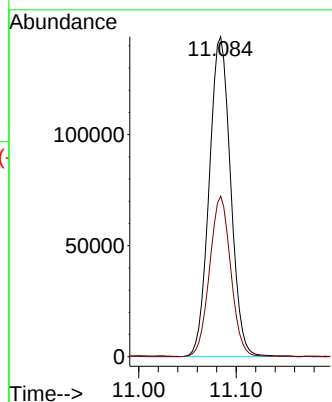
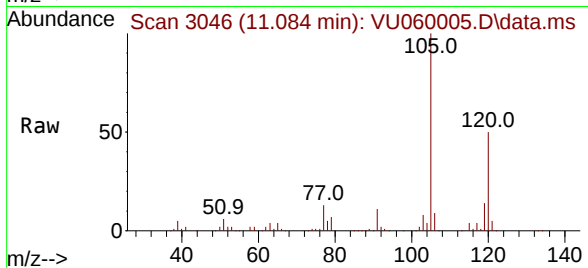
E08F4MS

Tgt Ion:105 Resp: 219366

Ion Ratio Lower Upper

105 100

120 49.8 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 44.924 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU060005.D

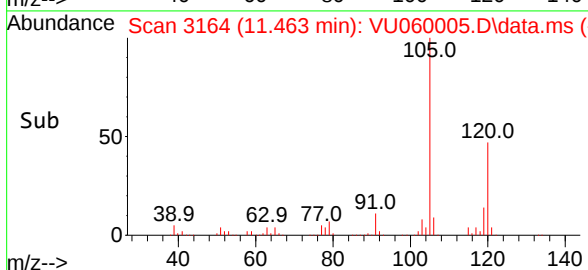
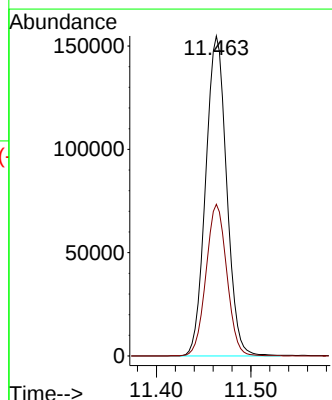
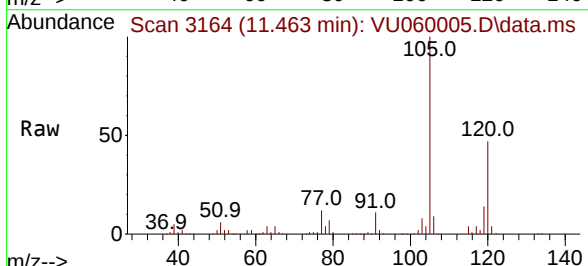
Acq: 17 Jul 2024 19:41

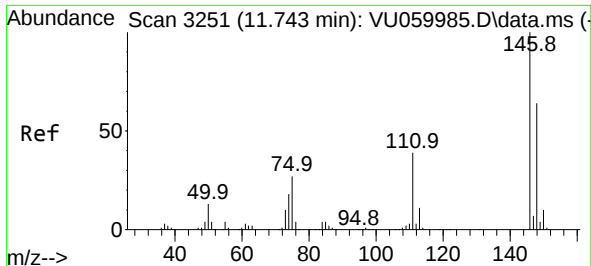
Tgt Ion:105 Resp: 238935

Ion Ratio Lower Upper

105 100

120 47.0 37.0 55.6

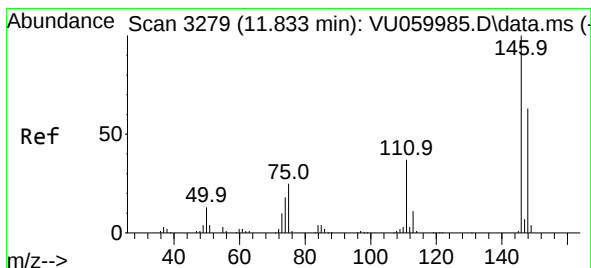
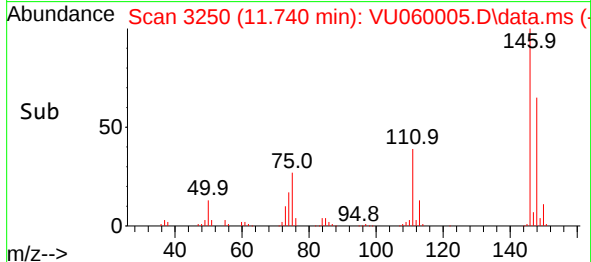
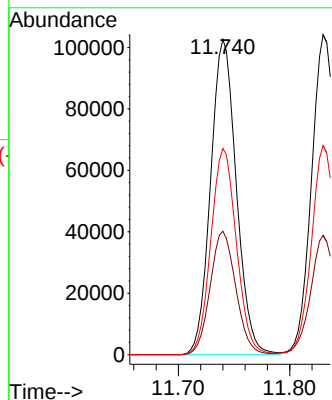
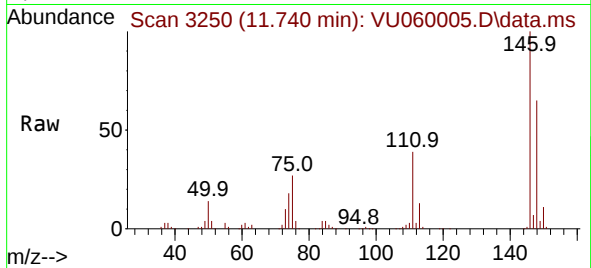




#64
1,3-Dichlorobenzene
Concen: 46.860 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU060005.D
Acq: 17 Jul 2024 19:41

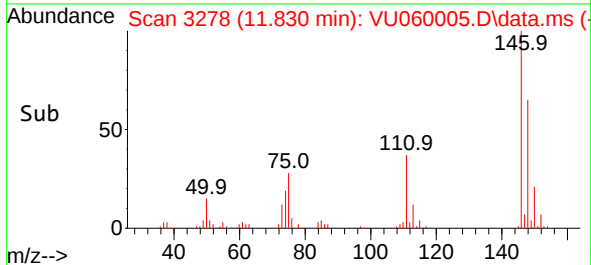
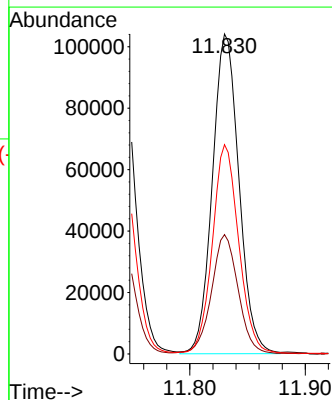
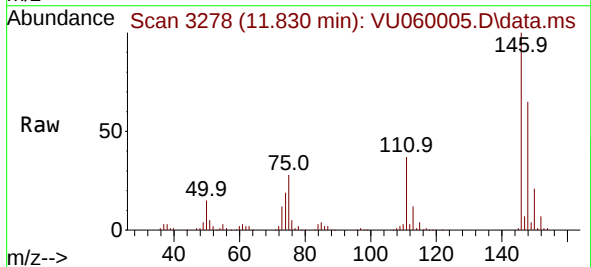
Instrument :
MSVOA_U
ClientSampleId :
E08F4MS

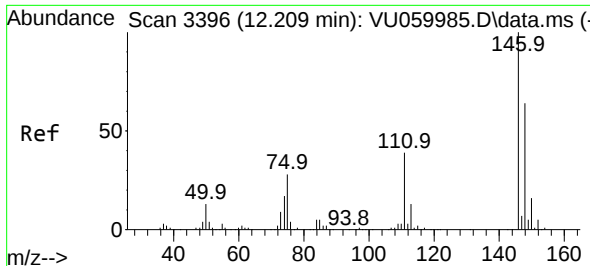
Tgt Ion:146 Resp: 164838
Ion Ratio Lower Upper
146 100
111 39.1 26.5 49.1
148 65.4 43.8 81.3



#65
1,4-Dichlorobenzene
Concen: 45.742 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU060005.D
Acq: 17 Jul 2024 19:41

Tgt Ion:146 Resp: 166338
Ion Ratio Lower Upper
146 100
111 37.3 25.9 48.1
148 65.4 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 47.888 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU060005.D

Acq: 17 Jul 2024 19:41

Instrument :

MSVOA_U

ClientSampleId :

E08F4MS

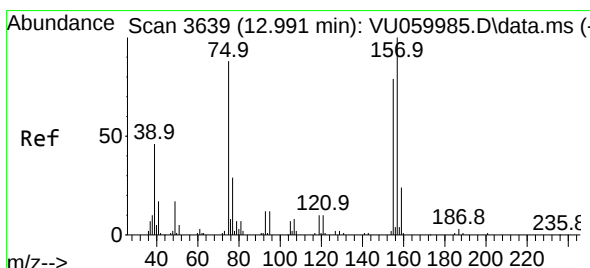
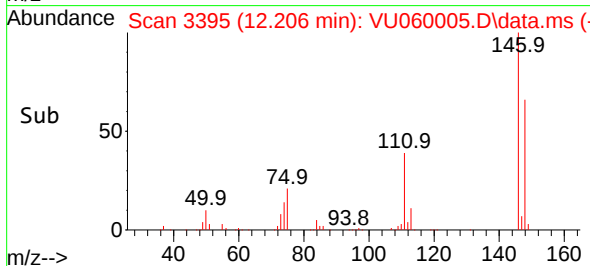
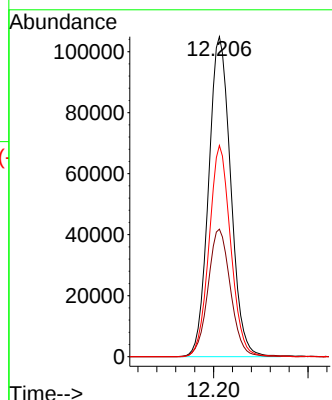
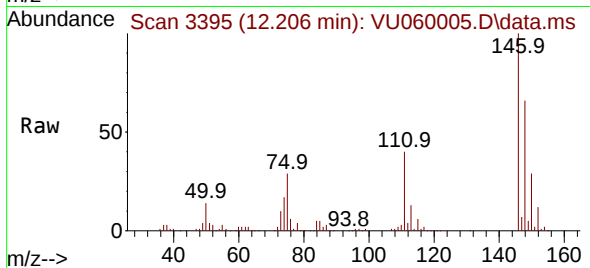
Tgt Ion:146 Resp: 170172

Ion Ratio Lower Upper

146 100

111 39.8 31.7 47.5

148 66.0 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 55.101 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU060005.D

Acq: 17 Jul 2024 19:41

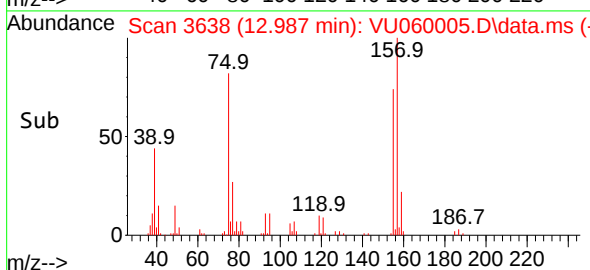
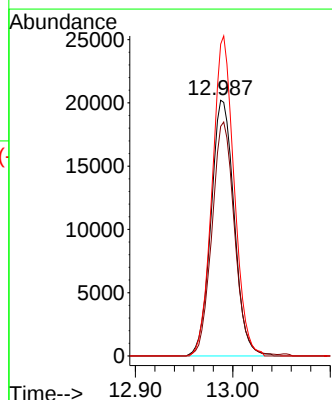
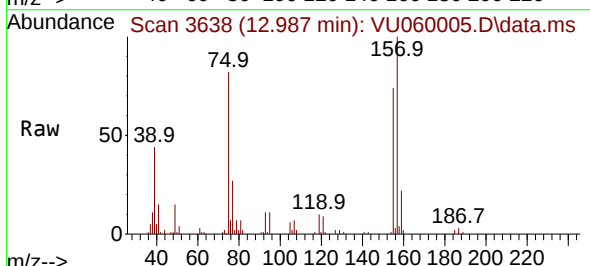
Tgt Ion: 75 Resp: 33277

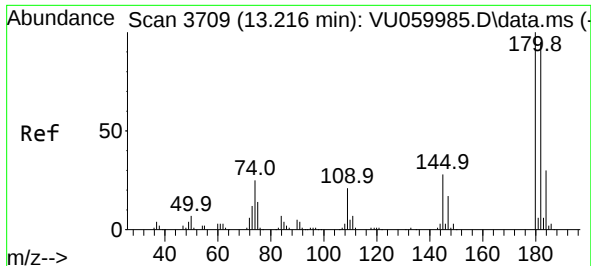
Ion Ratio Lower Upper

75 100

155 89.8 73.5 110.3

157 126.8 93.5 140.3





#69

1,3,5-Trichlorobenzene

Concen: 43.511 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU060005.D

Acq: 17 Jul 2024 19:41

Instrument :

MSVOA_U

ClientSampleId :

E08F4MS

Tgt Ion:180 Resp: 110354

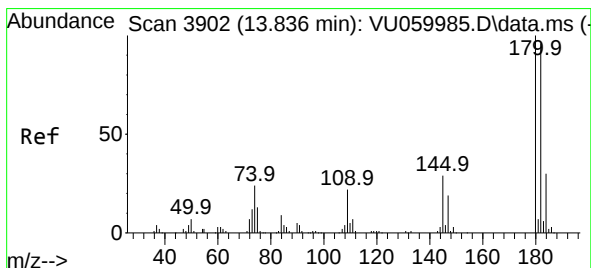
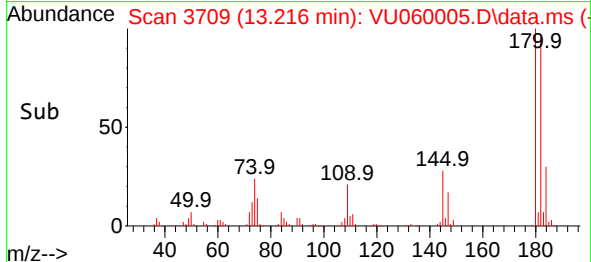
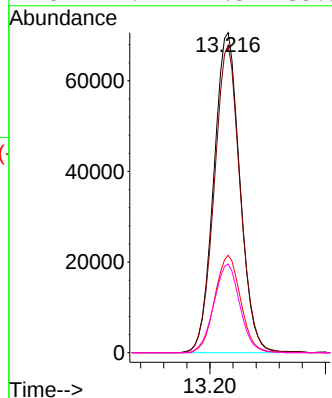
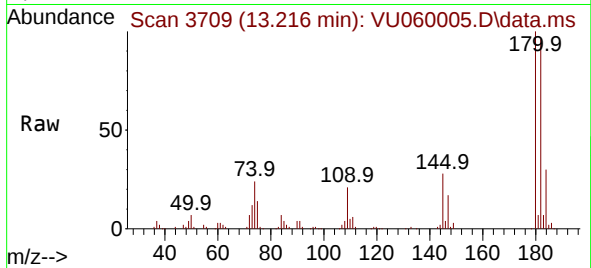
Ion Ratio Lower Upper

180 100

182 95.6 75.8 113.8

184 30.3 24.7 37.1

145 27.7 22.3 33.5



#70

1,2,4-trichlorobenzene

Concen: 40.274 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU060005.D

Acq: 17 Jul 2024 19:41

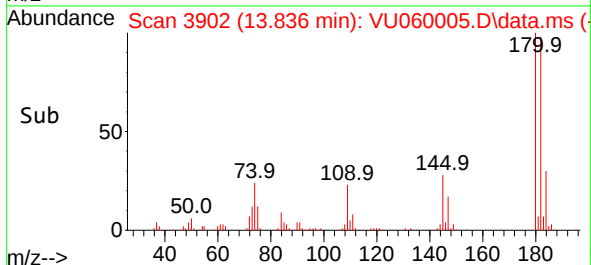
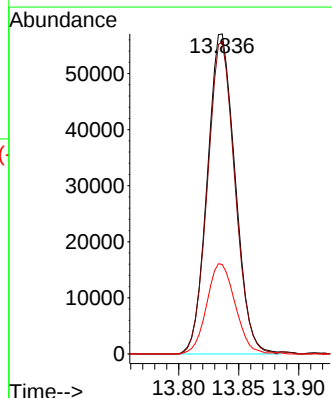
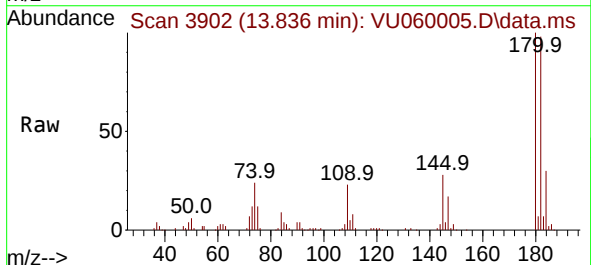
Tgt Ion:180 Resp: 92062

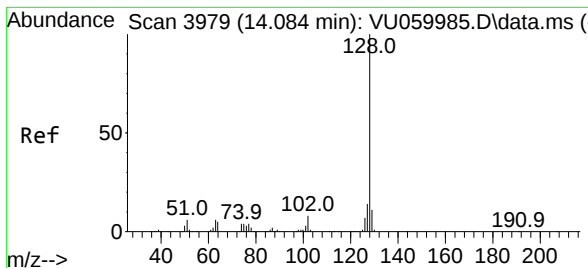
Ion Ratio Lower Upper

180 100

182 96.2 76.4 114.6

145 28.7 23.0 34.4





#71

Naphthalene

Concen: 43.151 ug/L

RT: 14.081 min Scan# 3979

Delta R.T. -0.003 min

Lab File: VU060005.D

Acq: 17 Jul 2024 19:41

Instrument :

MSVOA_U

ClientSampleId :

E08F4MS

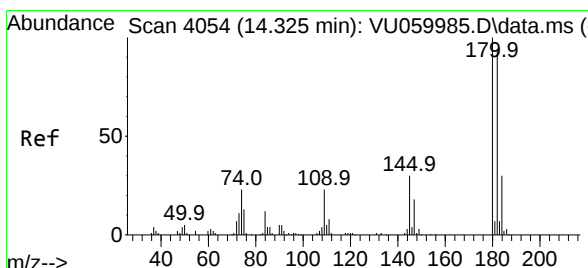
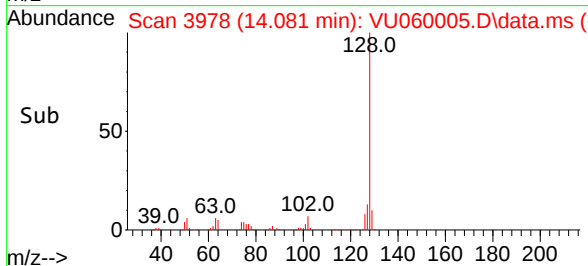
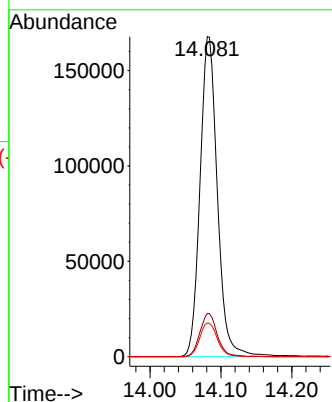
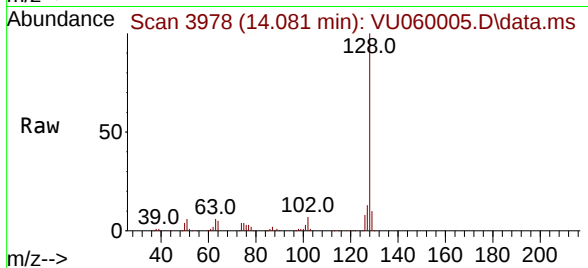
Tgt Ion:128 Resp: 285051

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

129 10.7 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 43.943 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU060005.D

Acq: 17 Jul 2024 19:41

Tgt Ion:180 Resp: 100782

Ion Ratio Lower Upper

180 100

182 97.6 75.8 113.8

145 29.8 24.5 36.7

