

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071724\
 Data File : VU060007.D
 Acq On : 17 Jul 2024 20:29
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 18 02:52:30 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	229996	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	226739	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	118024	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	56015	37.932	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.860%
7) Chloroethane-d5	1.901	69	52117	41.958	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	83.920%
11) 1,1-Dichloroethene-d2	2.560	63	107581	41.007	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.020%
21) 2-Butanone-d5	4.615	46	118736	115.697	ug/L	-0.01
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.700%
24) Chloroform-d	5.052	84	137156	47.961	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.920%
26) 1,2-Dichloroethane-d4	5.692	65	82483	48.509	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.020%
32) Benzene-d6	5.721	84	261090	44.968	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.940%
36) 1,2-Dichloropropane-d6	6.682	67	85583	47.626	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	95.260%
41) Toluene-d8	7.891	98	239245	43.330	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.660%
43) trans-1,3-Dichloroprop...	8.174	79	37395	44.471	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.940%
47) 2-Hexanone-d5	8.627	63	81037	107.005	ug/L	-0.01
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.000%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	149446	54.184	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	108.360%
66) 1,2-Dichlorobenzene-d4	12.187	152	99548	45.900	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.800%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	67584	47.315	ug/L	100
3) Chloromethane	1.518	50	76690	54.713	ug/L	100
5) Vinyl chloride	1.602	62	88608	53.850	ug/L	99
6) Bromomethane	1.843	94	56696	65.597	ug/L	97
8) Chloroethane	1.923	64	57521	53.696	ug/L	98
9) Trichlorofluoromethane	2.129	101	114007	49.767	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	74277	50.938	ug/L	97
12) 1,1-Dichloroethene	2.573	96	67546	49.530	ug/L	82
13) Acetone	2.618	43	77293	73.140	ug/L	93
14) Carbon disulfide	2.785	76	164175	47.698	ug/L	99
15) Methyl Acetate	2.943	43	88051	55.264	ug/L	99
16) Methylene chloride	3.036	84	87858	51.091	ug/L	98
17) trans-1,2-Dichloroethene	3.345	96	71025	50.589	ug/L	99
18) Methyl tert-butyl Ether	3.354	73	230636	50.579	ug/L	98
19) 1,1-Dichloroethane	3.859	63	142946	53.683	ug/L	97
20) cis-1,2-Dichloroethene	4.660	96	87316	51.361	ug/L	95
22) 2-Butanone	4.692	43	124386	95.667	ug/L	97
23) Bromochloromethane	4.968	128	46968	52.378	ug/L	97
25) Chloroform	5.078	83	154994	54.092	ug/L	96

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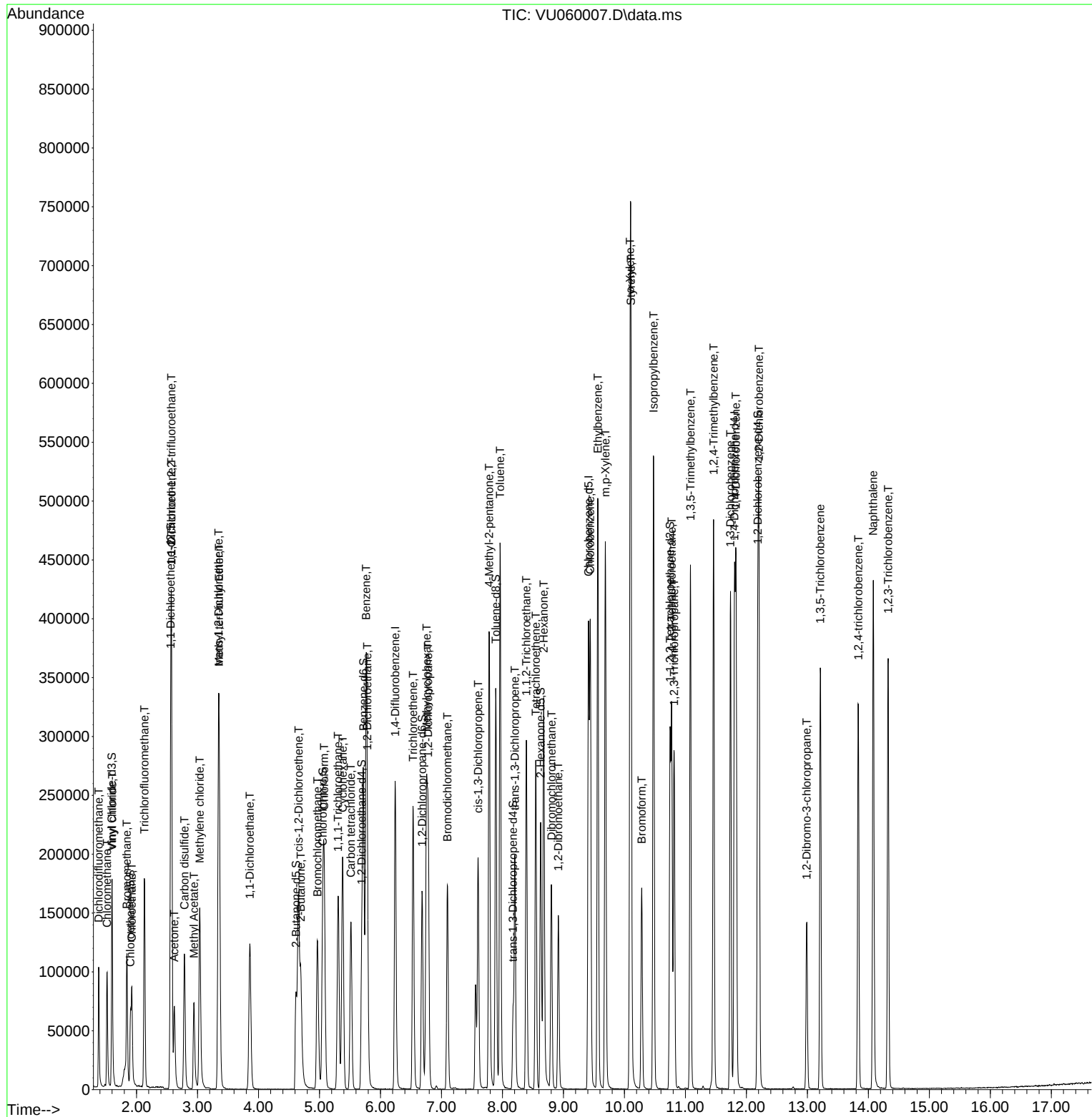
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	111492	51.255	ug/L	98
29) Cyclohexane	5.380	56	93447	46.027	ug/L	98
30) 1,1,1-Trichloroethane	5.306	97	122462	52.135	ug/L	98
31) Carbon tetrachloride	5.515	117	101238	52.176	ug/L	99
33) Benzene	5.766	78	326240	53.282	ug/L	100
34) Trichloroethene	6.534	95	82928	50.754	ug/L	98
35) Methylcyclohexane	6.756	83	101502	44.981	ug/L	99
37) 1,2-Dichloropropane	6.782	63	88063	52.253	ug/L	99
38) Bromodichloromethane	7.100	83	116641	54.622	ug/L	98
39) cis-1,3-Dichloropropene	7.602	75	125907	48.829	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	233051	109.410	ug/L	97
42) Toluene	7.962	91	353258	52.849	ug/L	98
44) trans-1,3-Dichloropropene	8.203	75	118610	50.078	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	95648	54.192	ug/L	98
46) Tetrachloroethene	8.547	164	65247	48.541	ug/L	98
48) 2-Hexanone	8.676	43	192615	108.046	ug/L	97
49) Dibromochloromethane	8.804	129	93183	53.583	ug/L	100
50) 1,2-Dibromoethane	8.917	107	99761	54.059	ug/L	97
51) Chlorobenzene	9.441	112	226850	51.121	ug/L	98
52) Ethylbenzene	9.563	91	358939	50.285	ug/L	100
53) m,p-Xylene	9.688	106	139484	50.187	ug/L	99
54) o-Xylene	10.094	106	137740	51.538	ug/L	99
55) Styrene	10.110	104	242832	53.856	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.775	83	166861	56.060	ug/L	99
59) Bromoform	10.283	173	79771	55.899	ug/L	100
60) 1,2,3-Trichloropropane	10.814	75	127639	56.984	ug/L	98
61) Isopropylbenzene	10.479	105	351900	51.149	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	244370	48.520	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	268018	49.681	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	182397	51.120	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	182966	49.605	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	183946	51.034	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.987	75	37177	60.690	ug/L	98
69) 1,3,5-Trichlorobenzene	13.212	180	121970	47.413	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	109204	47.099	ug/L	100
71) Naphthalene	14.081	128	365664	54.573	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	124052	53.326	ug/L	99

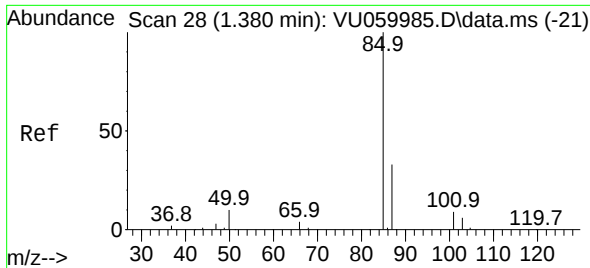
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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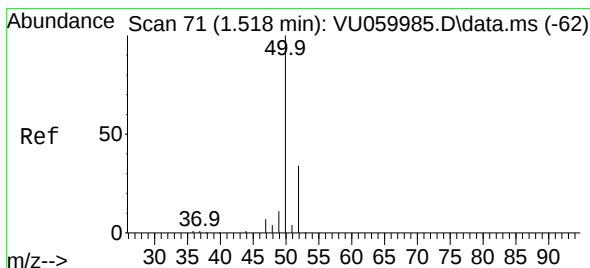
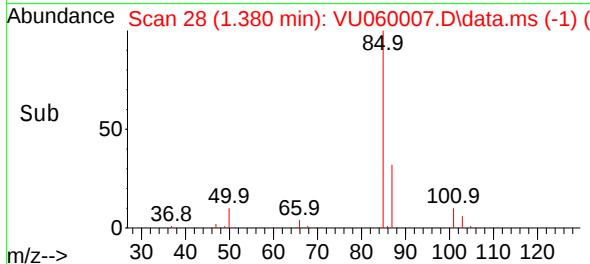
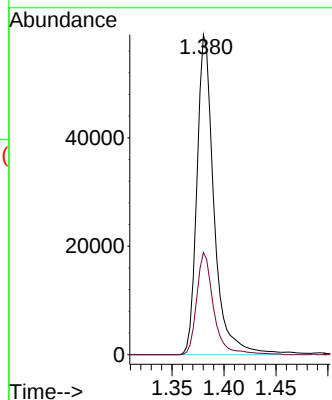
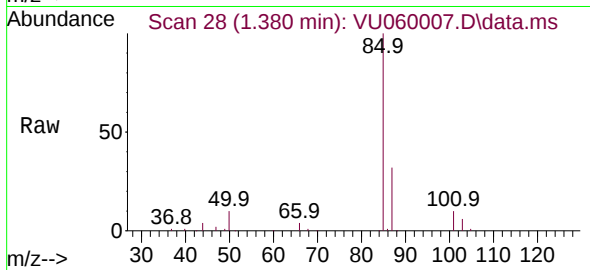




#2
 Dichlorodifluoromethane
 Concen: 47.315 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VU060007.D
 Acq: 17 Jul 2024 20:29

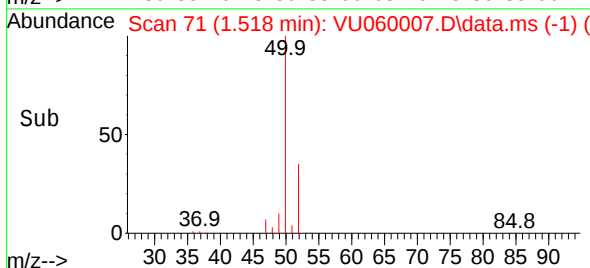
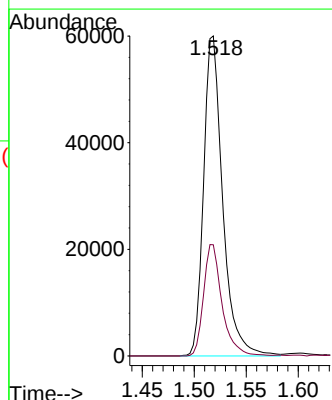
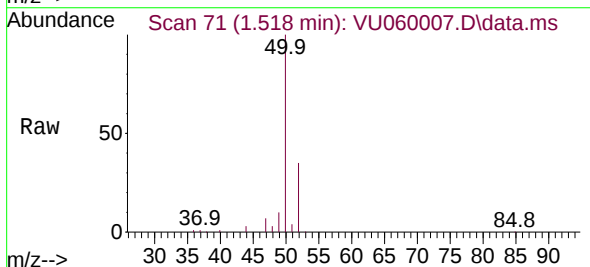
Instrument :
 MSVOA_U
 ClientSampleId :

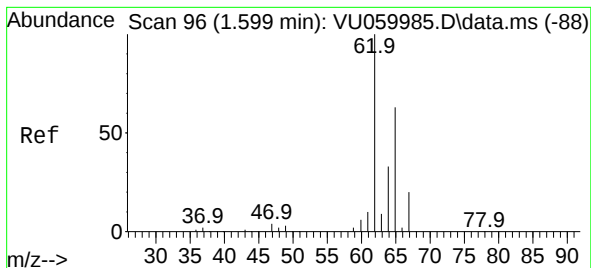
Tgt Ion: 85 Resp: 67584
 Ion Ratio Lower Upper
 85 100
 87 31.8 25.4 38.2



#3
 Chloromethane
 Concen: 54.713 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU060007.D
 Acq: 17 Jul 2024 20:29

Tgt Ion: 50 Resp: 76690
 Ion Ratio Lower Upper
 50 100
 52 34.8 24.5 45.5





#5

Vinyl chloride

Concen: 53.850 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU060007.D

Acq: 17 Jul 2024 20:29

Instrument :

MSVOA_U

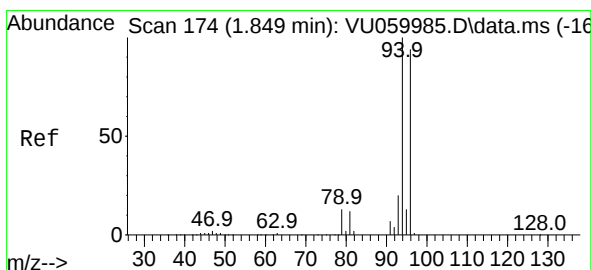
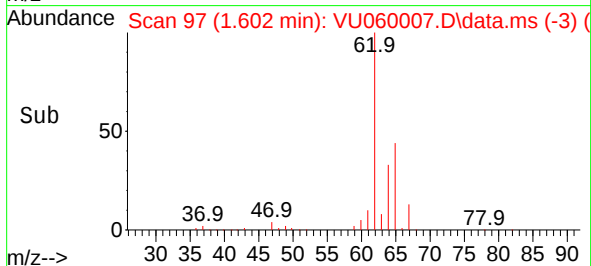
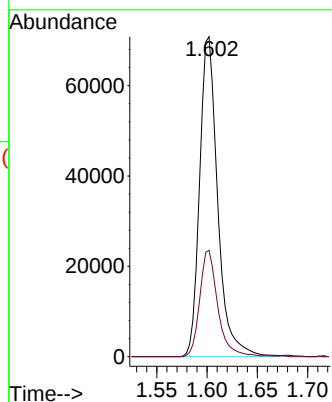
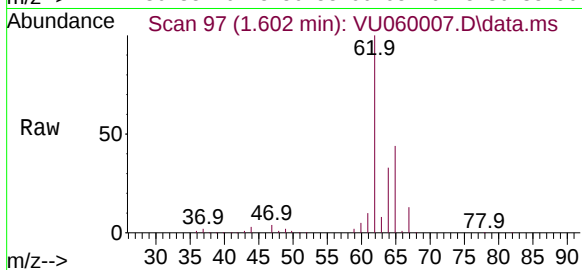
ClientSampleId :

Tgt Ion: 62 Resp: 88608

Ion Ratio Lower Upper

62 100

64 33.3 22.9 42.5



#6

Bromomethane

Concen: 65.597 ug/L

RT: 1.843 min Scan# 172

Delta R.T. -0.006 min

Lab File: VU060007.D

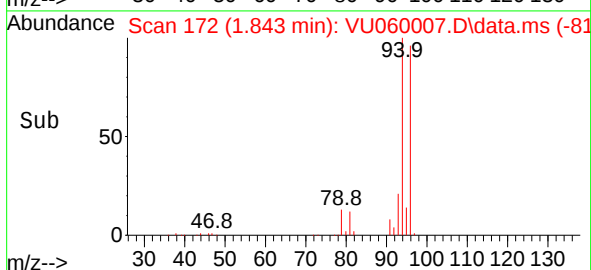
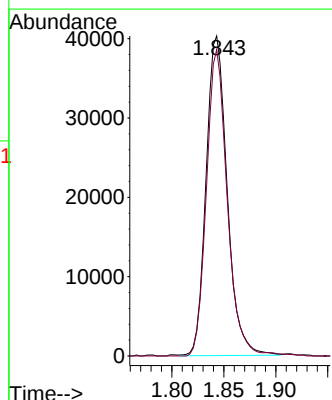
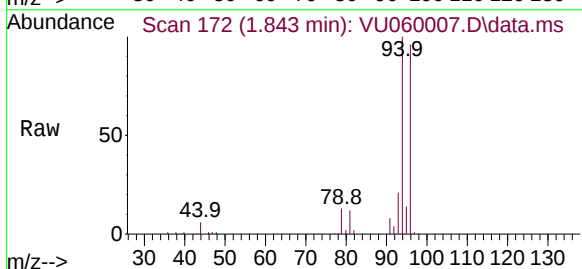
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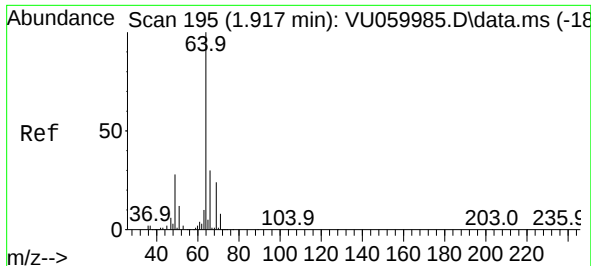
Tgt Ion: 94 Resp: 56696

Ion Ratio Lower Upper

94 100

96 95.7 65.2 121.2

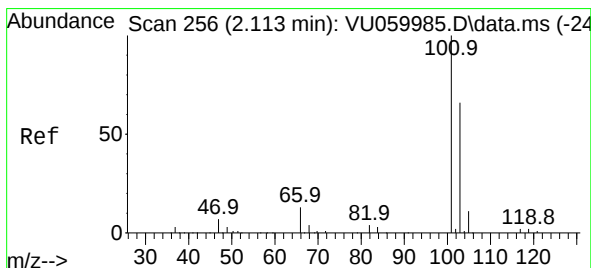
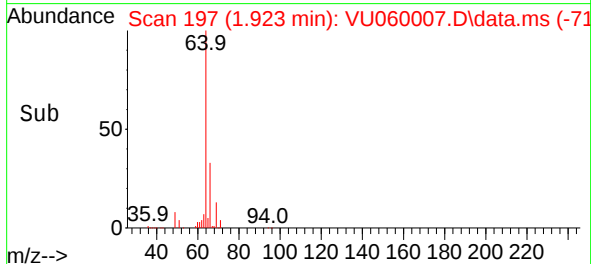
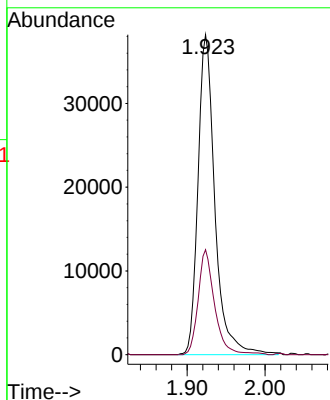
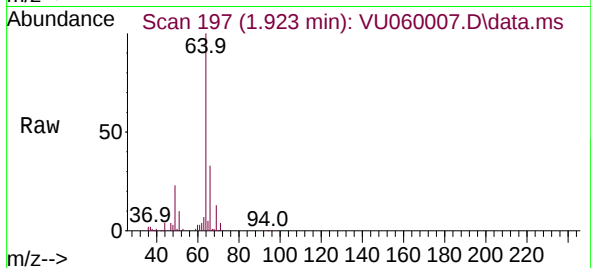




#8
Chloroethane
Concen: 53.696 ug/L
RT: 1.923 min Scan# 195
Delta R.T. 0.006 min
Lab File: VU060007.D
Acq: 17 Jul 2024 20:29

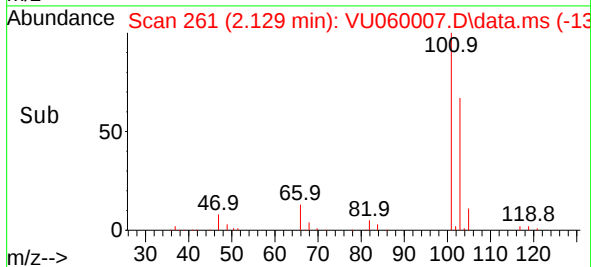
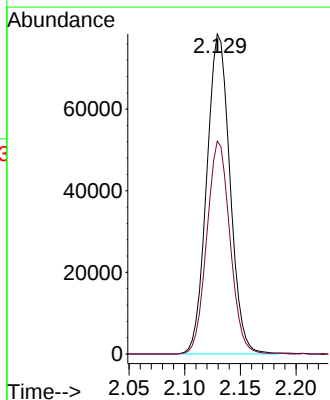
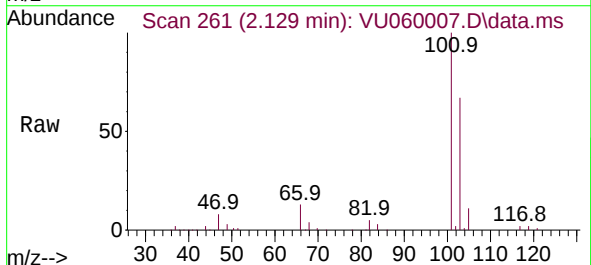
Instrument :
MSVOA_U
ClientSampleId :

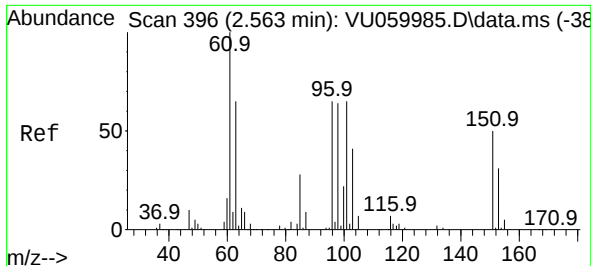
Tgt Ion: 64 Resp: 57521
Ion Ratio Lower Upper
64 100
66 32.8 22.3 41.3



#9
Trichlorofluoromethane
Concen: 49.767 ug/L
RT: 2.129 min Scan# 261
Delta R.T. 0.016 min
Lab File: VU060007.D
Acq: 17 Jul 2024 20:29

Tgt Ion:101 Resp: 114007
Ion Ratio Lower Upper
101 100
103 66.2 52.3 78.5

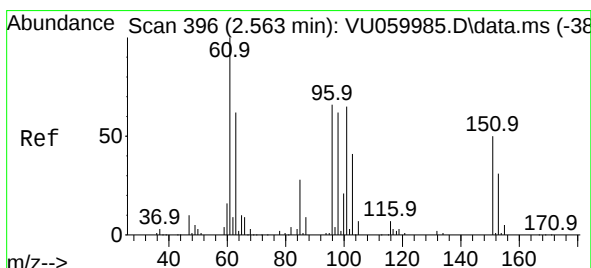
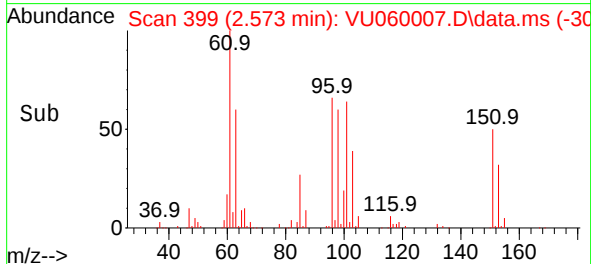
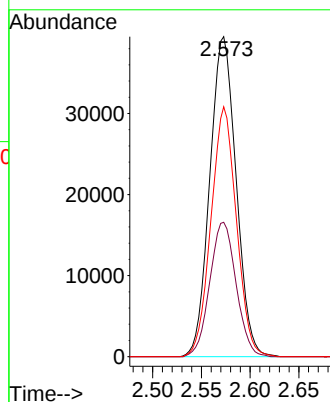
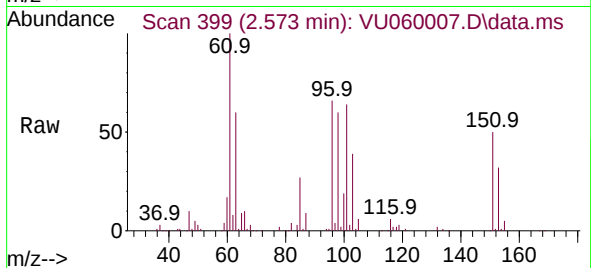




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 50.938 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.010 min
 Lab File: VU060007.D
 Acq: 17 Jul 2024 20:29

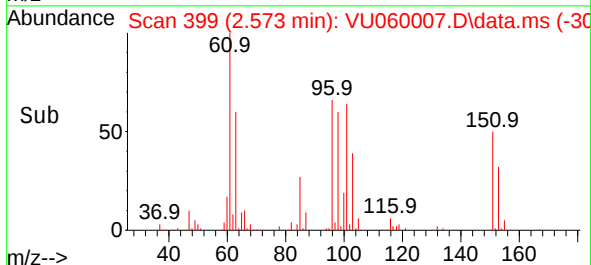
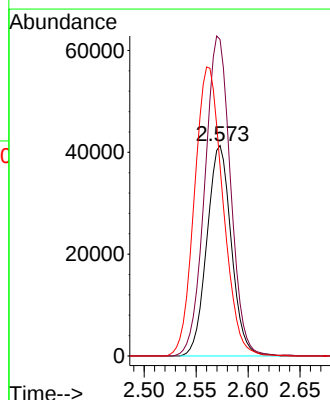
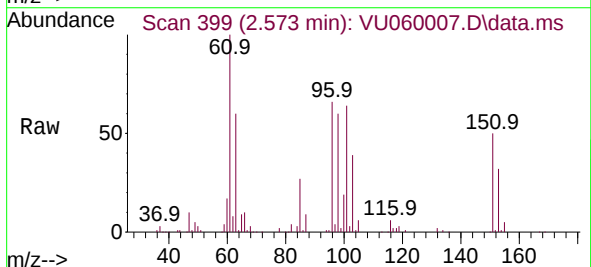
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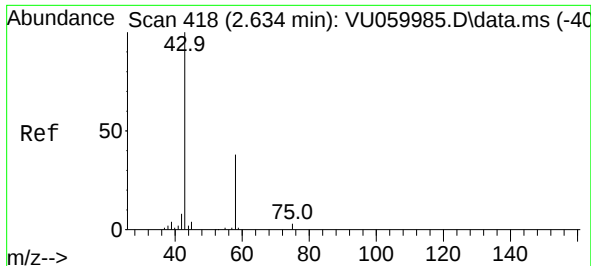
Tgt Ion:101 Resp: 74277
 Ion Ratio Lower Upper
 101 100
 85 41.9 34.8 52.2
 151 75.4 62.3 93.5



#12
 1,1-Dichloroethene
 Concen: 49.530 ug/L
 RT: 2.573 min Scan# 399
 Delta R.T. 0.010 min
 Lab File: VU060007.D
 Acq: 17 Jul 2024 20:29

Tgt Ion: 96 Resp: 67546
 Ion Ratio Lower Upper
 96 100
 61 150.4 112.2 208.4
 63 90.2 87.4 162.2





#13

Acetone

Concen: 73.140 ug/L

RT: 2.618 min Scan# 41

Delta R.T. -0.016 min

Lab File: VU060007.D

Acq: 17 Jul 2024 20:29

Instrument :

MSVOA_U

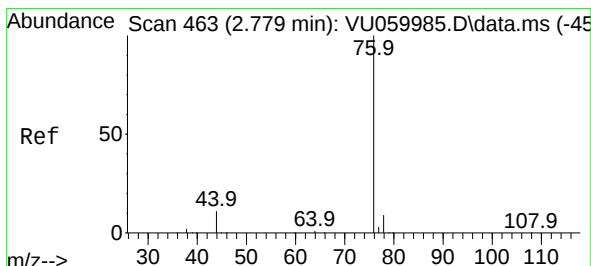
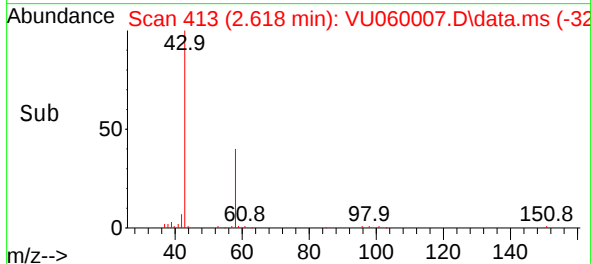
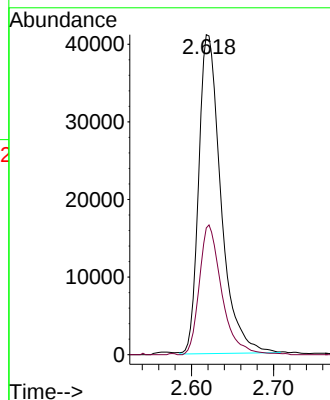
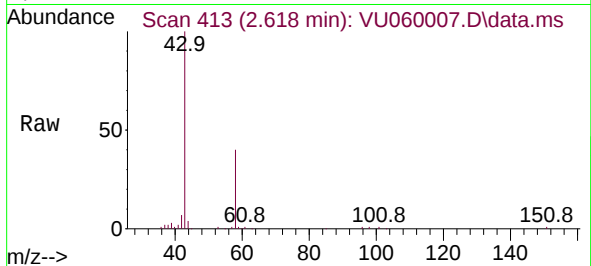
ClientSampleId :

Tgt Ion: 43 Resp: 77293

Ion Ratio Lower Upper

43 100

58 40.9 0.0 73.8



#14

Carbon disulfide

Concen: 47.698 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.006 min

Lab File: VU060007.D

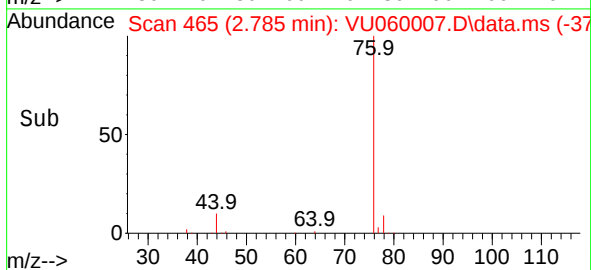
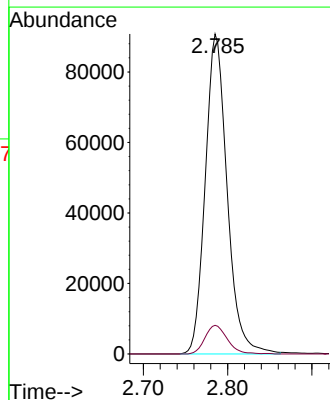
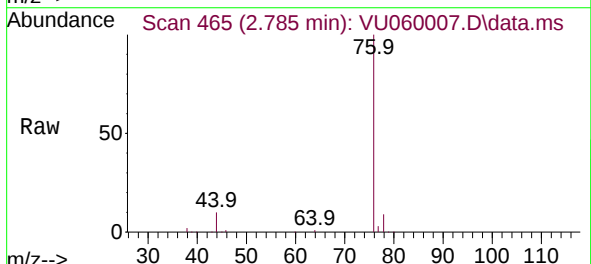
Acq: 17 Jul 2024 20:29

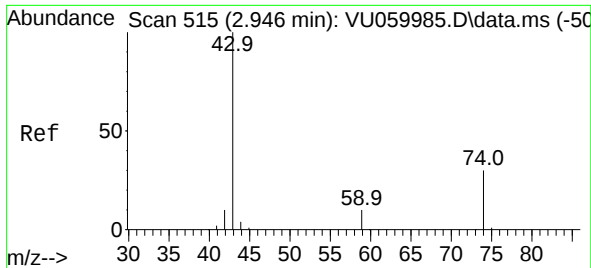
Tgt Ion: 76 Resp: 164175

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.4





#15

Methyl Acetate

Concen: 55.264 ug/L

RT: 2.943 min Scan# 51

Delta R.T. -0.003 min

Lab File: VU060007.D

Acq: 17 Jul 2024 20:29

Instrument :

MSVOA_U

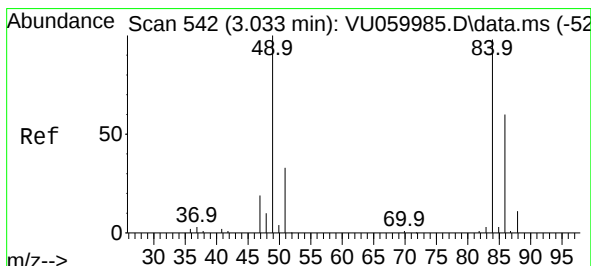
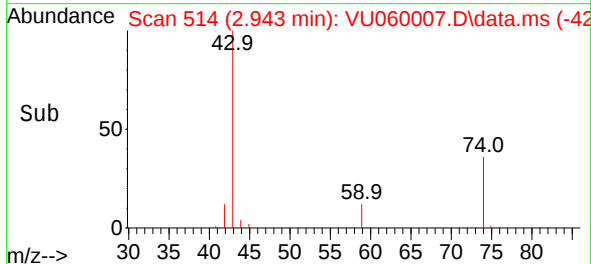
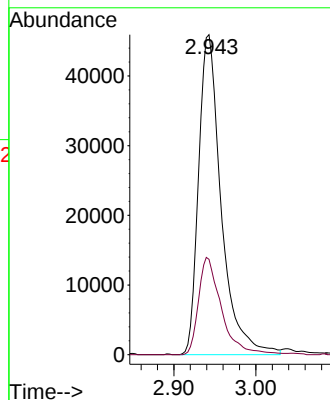
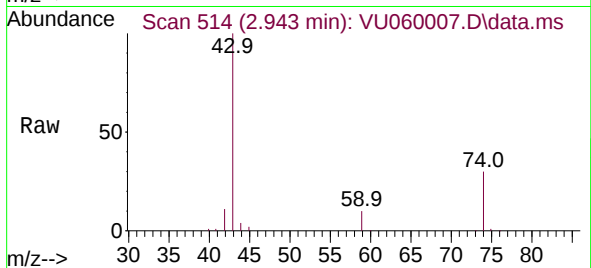
ClientSampleId :

Tgt Ion: 43 Resp: 88051

Ion Ratio Lower Upper

43 100

74 30.8 24.1 36.1



#16

Methylene chloride

Concen: 51.091 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.003 min

Lab File: VU060007.D

Acq: 17 Jul 2024 20:29

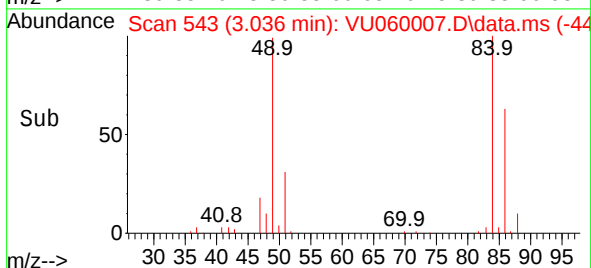
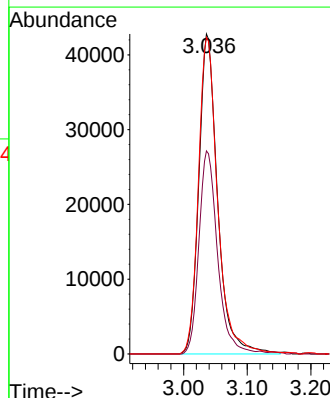
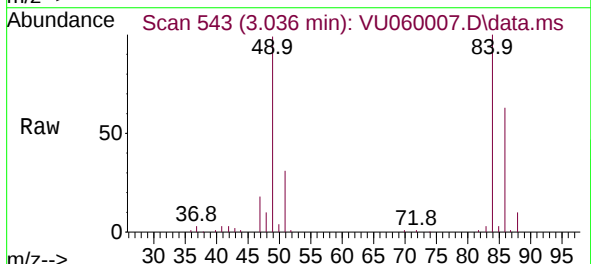
Tgt Ion: 84 Resp: 87858

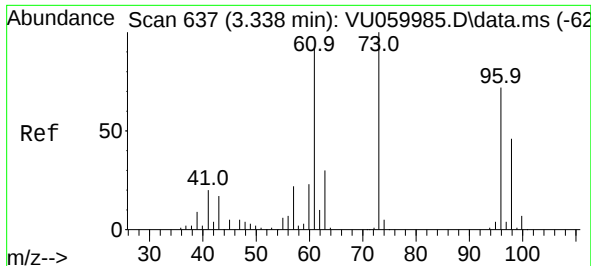
Ion Ratio Lower Upper

84 100

86 63.5 44.7 83.1

49 99.0 71.6 133.0





#17

trans-1,2-Dichloroethene

Concen: 50.589 ug/L

RT: 3.345 min Scan# 61

Delta R.T. 0.006 min

Lab File: VU060007.D

Acq: 17 Jul 2024 20:29

Instrument :

MSVOA_U

ClientSampleId :

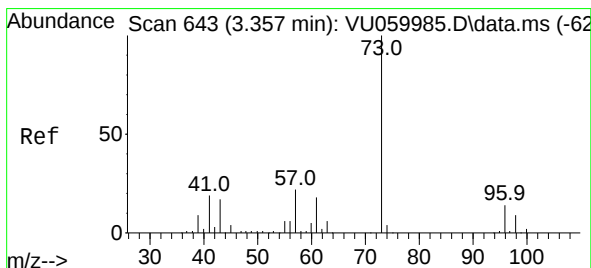
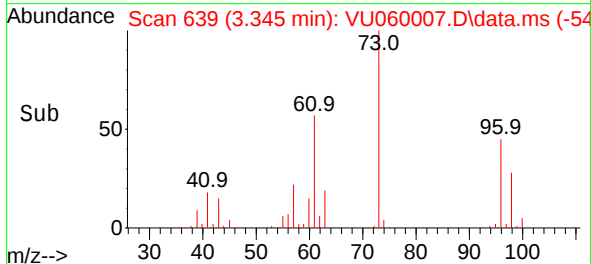
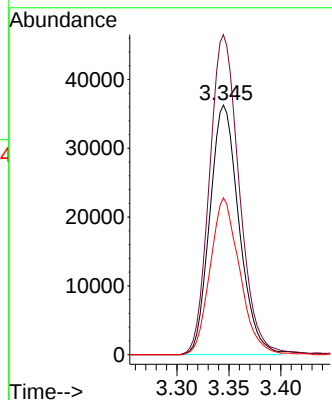
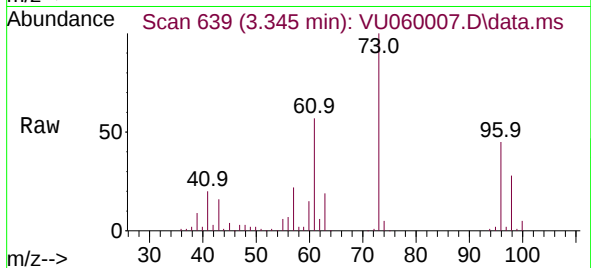
Tgt Ion: 96 Resp: 71025

Ion Ratio Lower Upper

96 100

61 128.2 90.6 168.3

98 62.8 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 50.579 ug/L

RT: 3.354 min Scan# 642

Delta R.T. -0.003 min

Lab File: VU060007.D

Acq: 17 Jul 2024 20:29

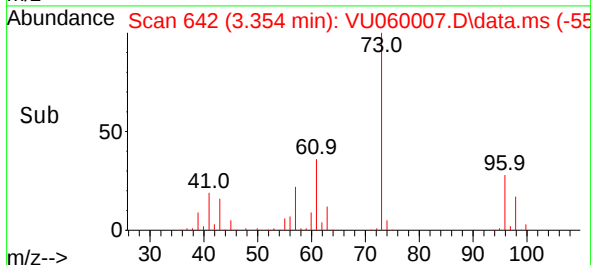
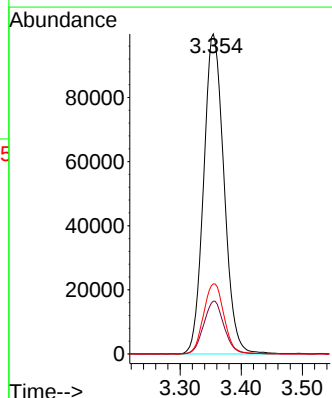
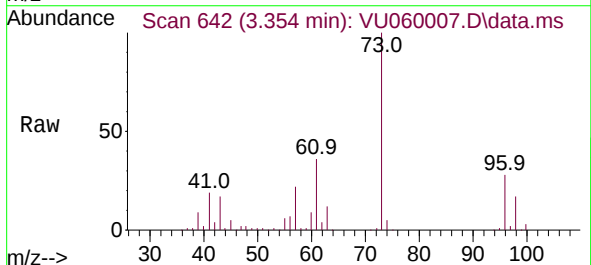
Tgt Ion: 73 Resp: 230636

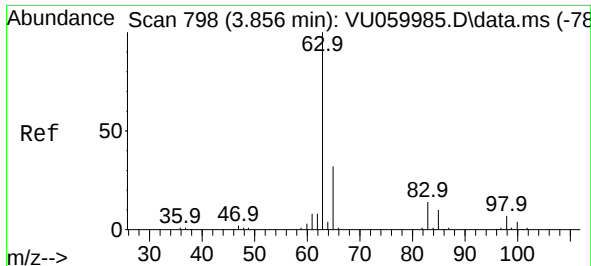
Ion Ratio Lower Upper

73 100

43 16.6 14.1 21.1

57 22.1 17.1 25.7





#19

1,1-Dichloroethane

Concen: 53.683 ug/L

RT: 3.859 min Scan# 798

Delta R.T. 0.003 min

Lab File: VU060007.D

Acq: 17 Jul 2024 20:29

Instrument :

MSVOA_U

ClientSampleId :

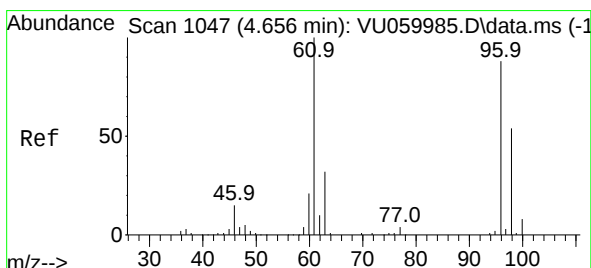
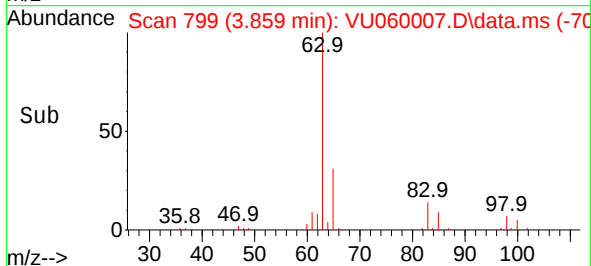
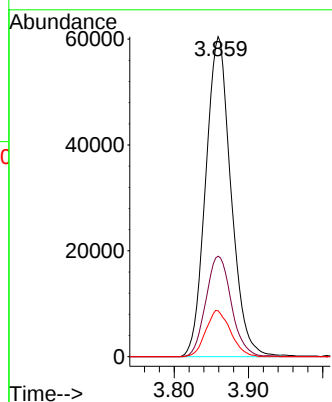
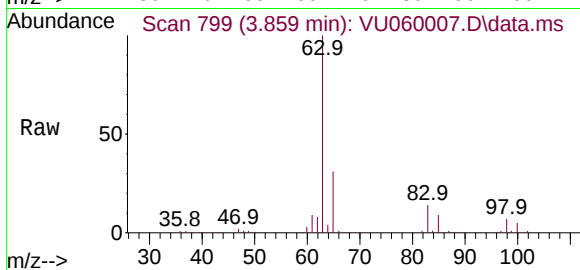
Tgt Ion: 63 Resp: 142946

Ion Ratio Lower Upper

63 100

65 31.4 23.3 43.3

83 14.3 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 51.361 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. 0.003 min

Lab File: VU060007.D

Acq: 17 Jul 2024 20:29

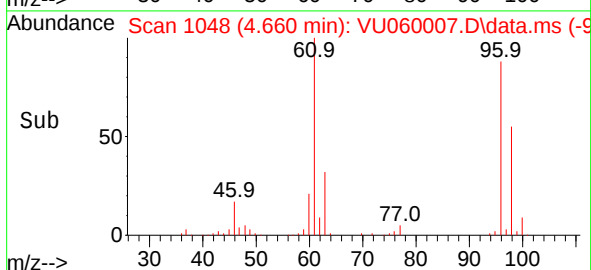
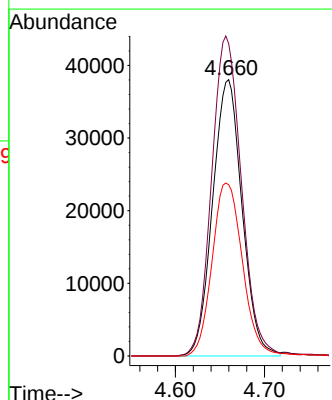
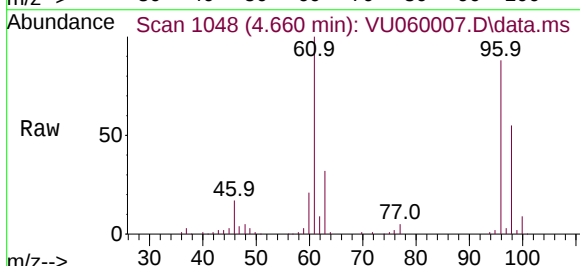
Tgt Ion: 96 Resp: 87316

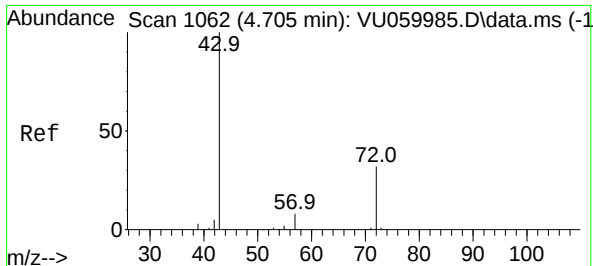
Ion Ratio Lower Upper

96 100

61 113.1 83.2 154.4

98 62.0 45.9 85.3

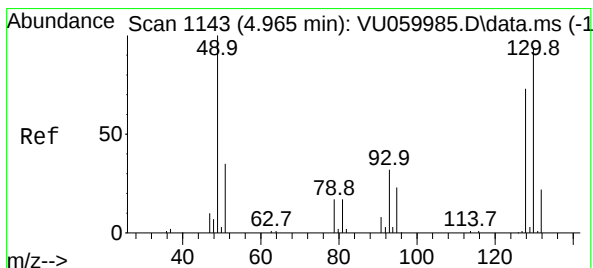
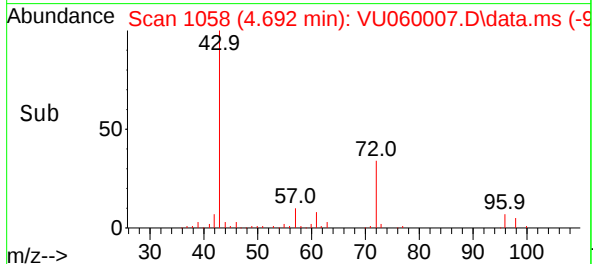
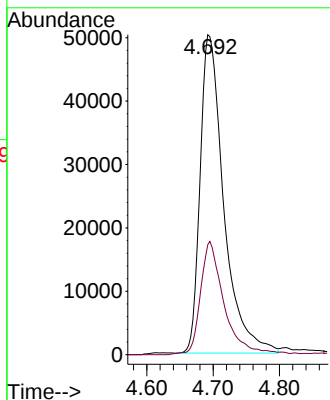
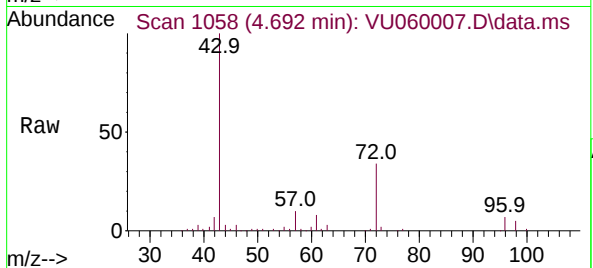




#22
2-Butanone
Concen: 95.667 ug/L
RT: 4.692 min Scan# 1058
Delta R.T. -0.013 min
Lab File: VU060007.D
Acq: 17 Jul 2024 20:29

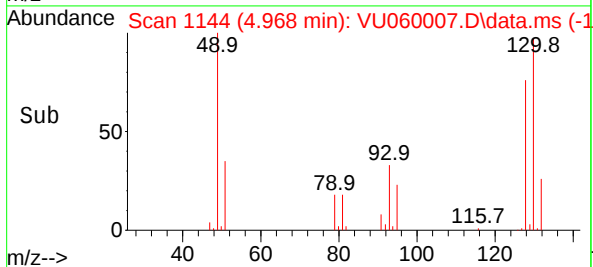
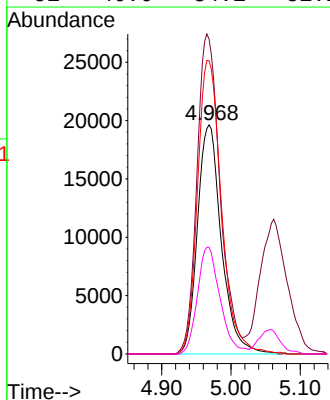
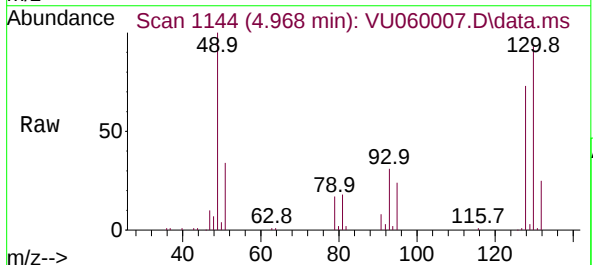
Instrument :
MSVOA_U
ClientSampleId :

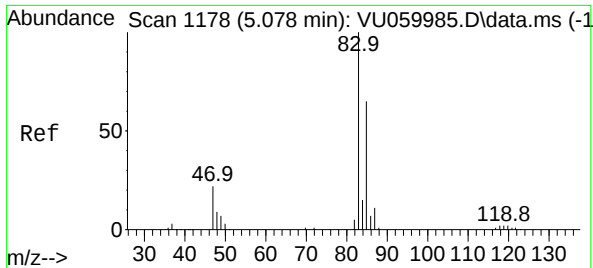
Tgt Ion: 43 Resp: 124386
Ion Ratio Lower Upper
43 100
72 34.7 16.4 49.2



#23
Bromochloromethane
Concen: 52.378 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. 0.003 min
Lab File: VU060007.D
Acq: 17 Jul 2024 20:29

Tgt Ion:128 Resp: 46968
Ion Ratio Lower Upper
128 100
49 137.4 96.7 179.7
130 127.9 86.3 160.3
51 46.6 34.1 51.1

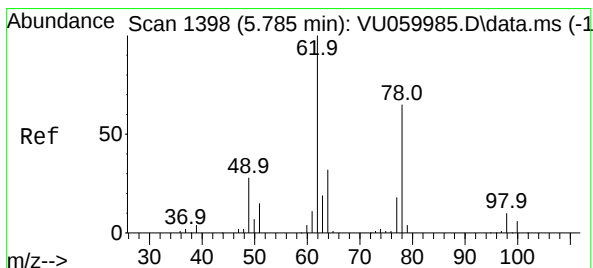
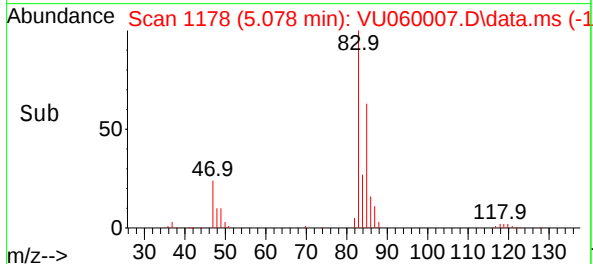
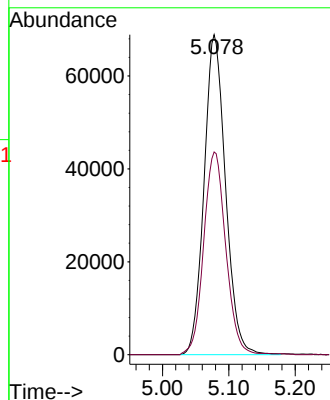
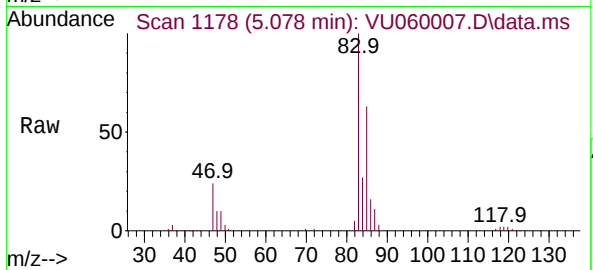




#25
Chloroform
Concen: 54.092 ug/L
RT: 5.078 min Scan# 1178
Delta R.T. 0.000 min
Lab File: VU060007.D
Acq: 17 Jul 2024 20:29

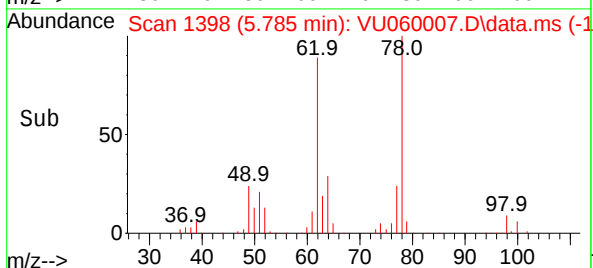
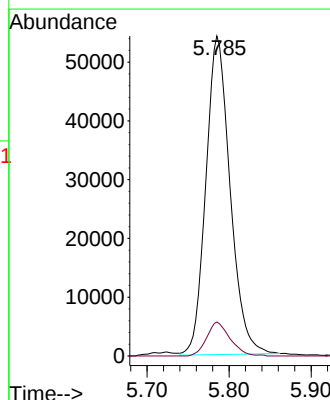
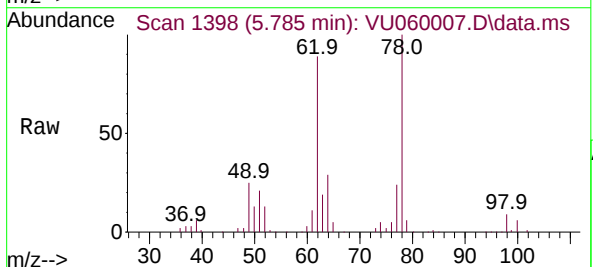
Instrument :
MSVOA_U
ClientSampleId :

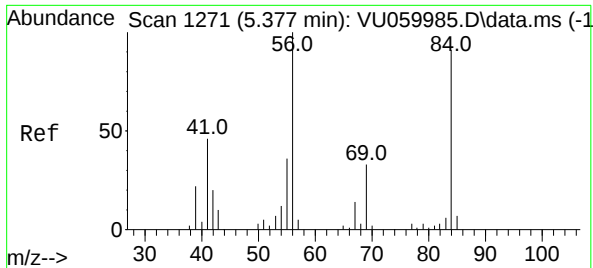
Tgt Ion: 83 Resp: 154994
Ion Ratio Lower Upper
83 100
85 63.4 46.7 86.7



#27
1,2-Dichloroethane
Concen: 51.255 ug/L
RT: 5.785 min Scan# 1398
Delta R.T. 0.000 min
Lab File: VU060007.D
Acq: 17 Jul 2024 20:29

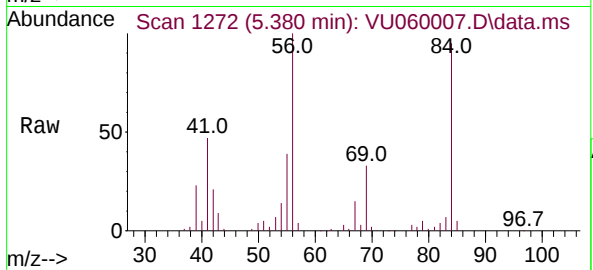
Tgt Ion: 62 Resp: 111492
Ion Ratio Lower Upper
62 100
98 10.6 7.8 11.8



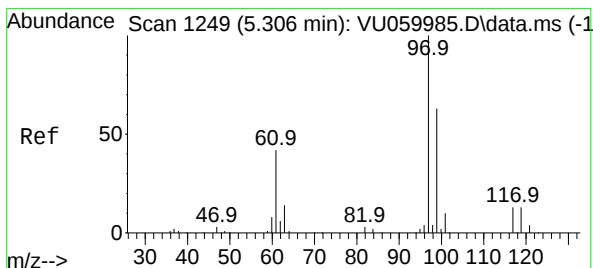
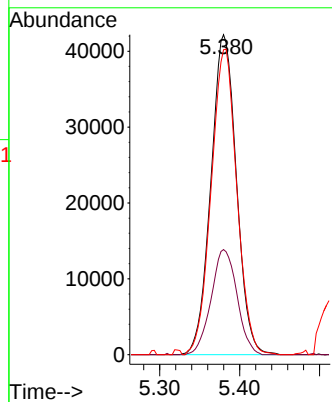
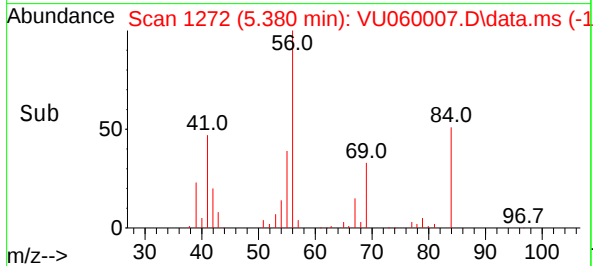


#29
Cyclohexane
Concen: 46.027 ug/L
RT: 5.380 min Scan# 1271
Delta R.T. 0.003 min
Lab File: VU060007.D
Acq: 17 Jul 2024 20:29

Instrument :
MSVOA_U
ClientSampleId :

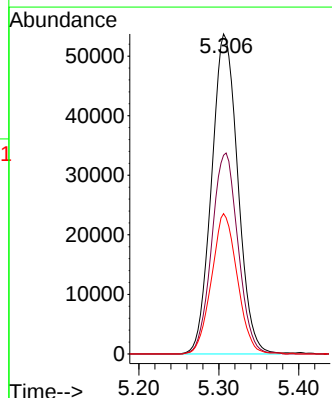
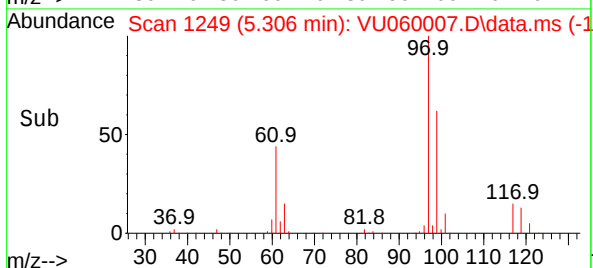
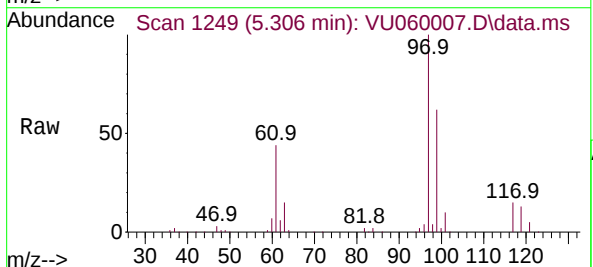


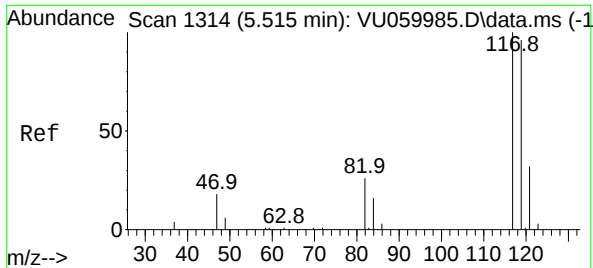
Tgt Ion:	56	Resp:	93447
Ion Ratio	Lower	Upper	
56	100		
69	33.3	26.0	39.0
84	95.9	75.5	113.3



#30
1,1,1-Trichloroethane
Concen: 52.135 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.000 min
Lab File: VU060007.D
Acq: 17 Jul 2024 20:29

Tgt Ion:	97	Resp:	122462
Ion Ratio	Lower	Upper	
97	100		
99	62.9	52.2	78.2
61	43.0	35.2	52.8

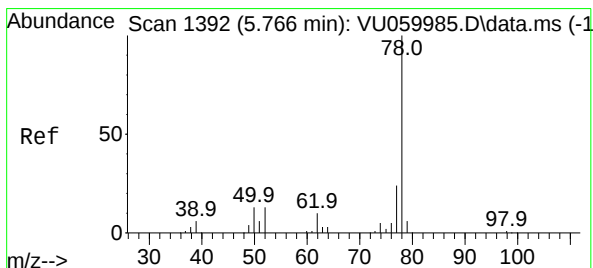
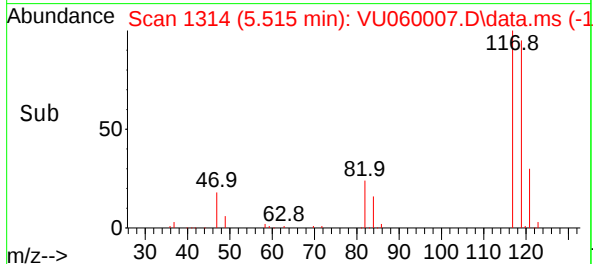
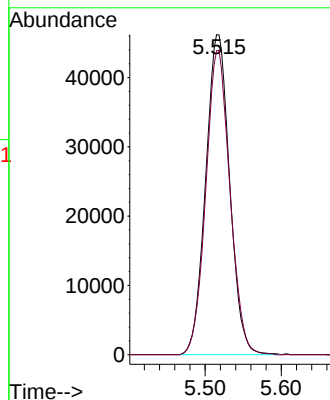
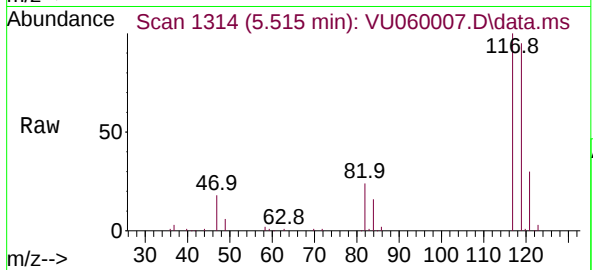




#31
Carbon tetrachloride
Concen: 52.176 ug/L
RT: 5.515 min Scan# 1314
Delta R.T. 0.000 min
Lab File: VU060007.D
Acq: 17 Jul 2024 20:29

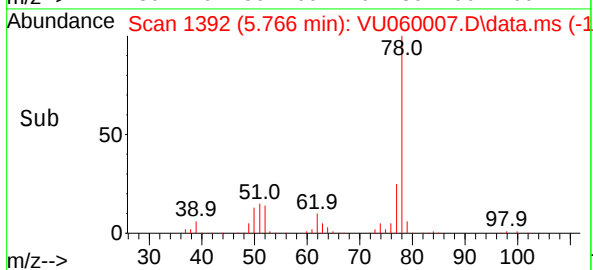
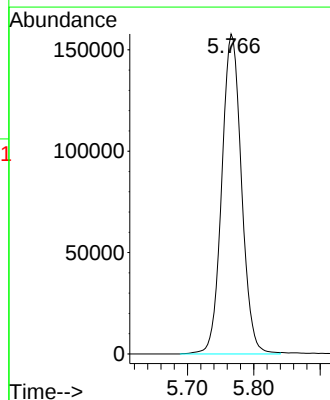
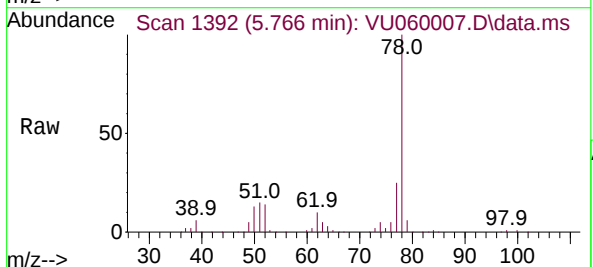
Instrument :
MSVOA_U
ClientSampleId :

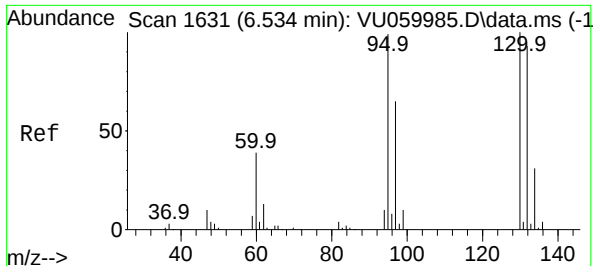
Tgt Ion:117 Resp: 101238
Ion Ratio Lower Upper
117 100
119 95.6 77.6 116.4



#33
Benzene
Concen: 53.282 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.000 min
Lab File: VU060007.D
Acq: 17 Jul 2024 20:29

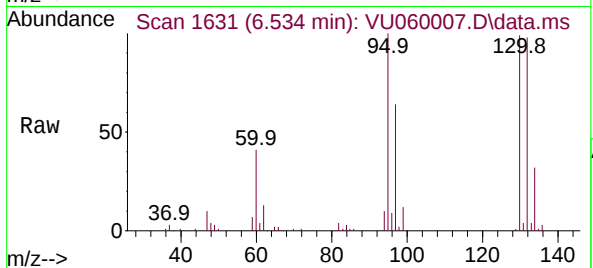
Tgt Ion: 78 Resp: 326240



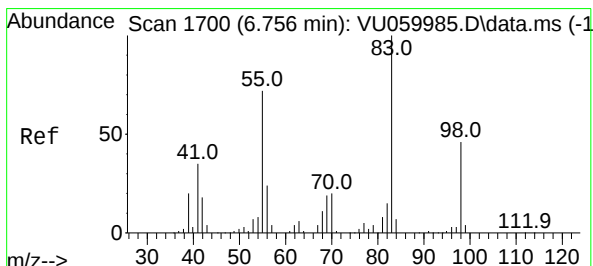
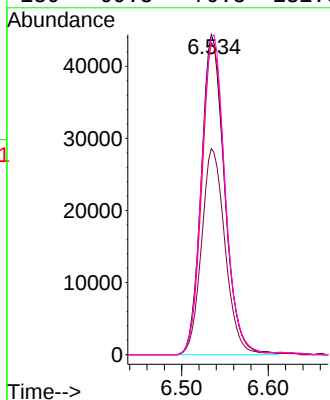
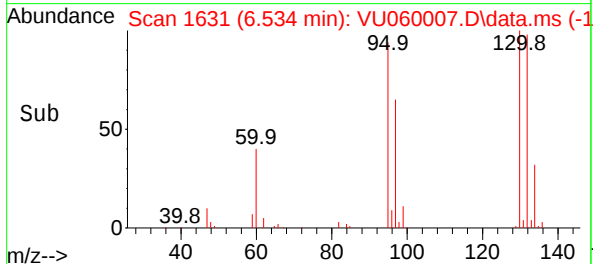


#34
Trichloroethene
Concen: 50.754 ug/L
RT: 6.534 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU060007.D
Acq: 17 Jul 2024 20:29

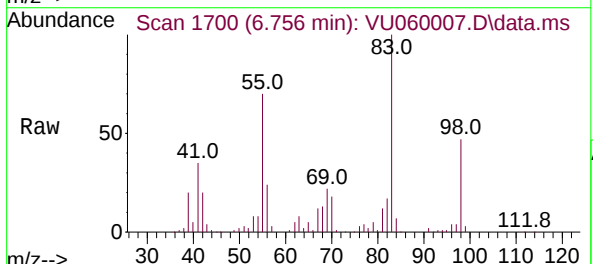
Instrument :
MSVOA_U
ClientSampleId :



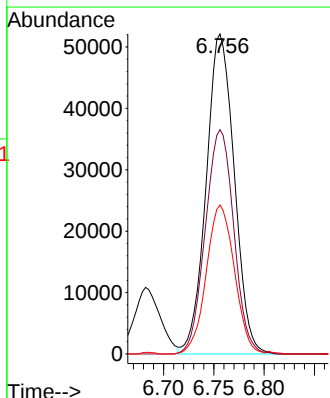
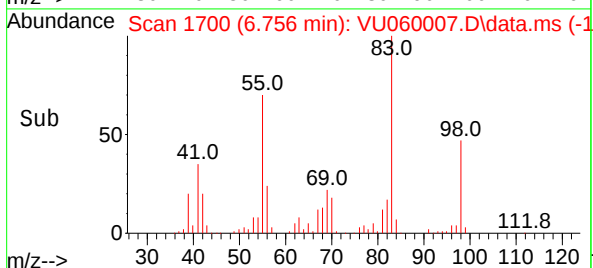
Tgt Ion: 95 Resp: 82928
Ion Ratio Lower Upper
95 100
97 64.4 45.8 85.2
132 97.5 69.8 129.6
130 99.3 70.8 131.6

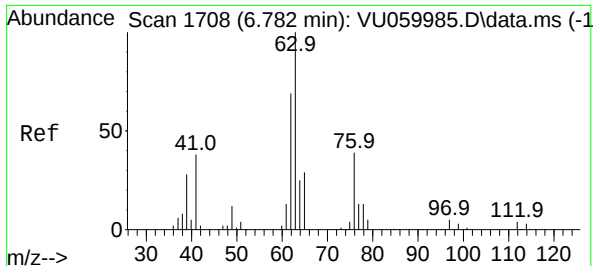


#35
Methylcyclohexane
Concen: 44.981 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU060007.D
Acq: 17 Jul 2024 20:29



Tgt Ion: 83 Resp: 101502
Ion Ratio Lower Upper
83 100
55 70.9 56.8 85.2
98 46.5 36.5 54.7

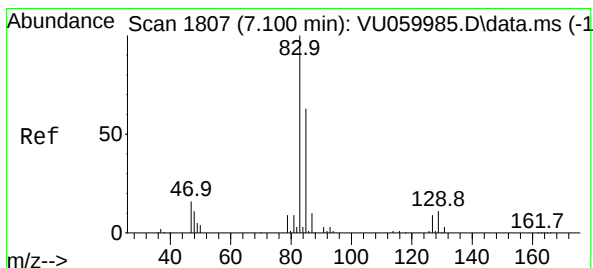
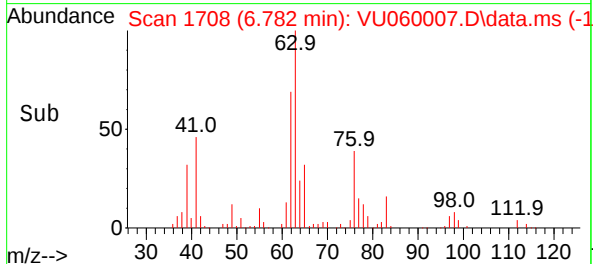
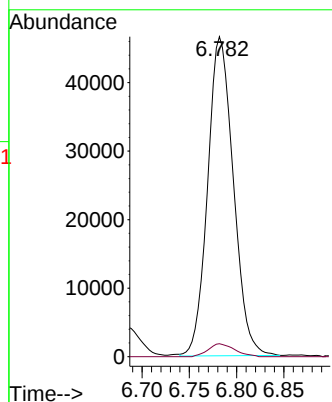
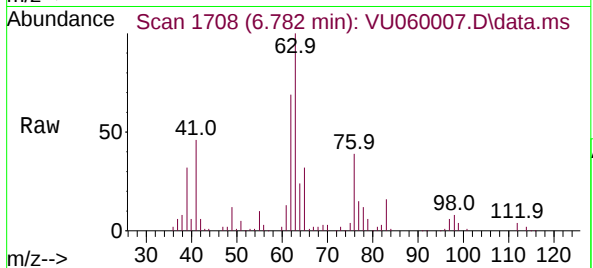




#37
1,2-Dichloropropane
Concen: 52.253 ug/L
RT: 6.782 min Scan# 1708
Delta R.T. 0.000 min
Lab File: VU060007.D
Acq: 17 Jul 2024 20:29

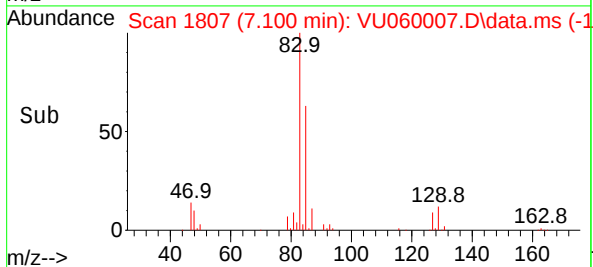
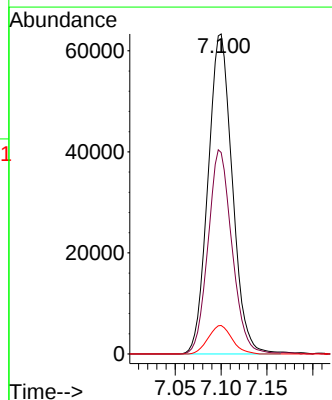
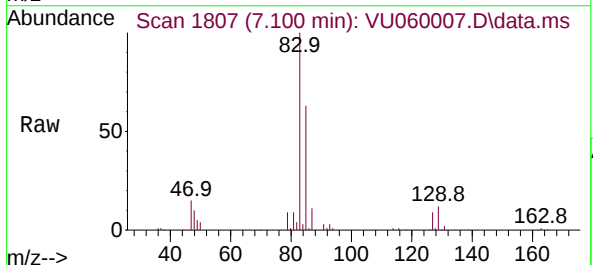
Instrument :
MSVOA_U
ClientSampleId :

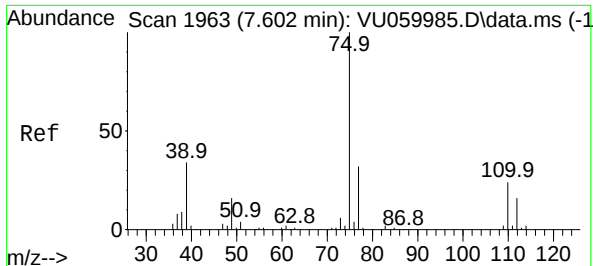
Tgt Ion: 63 Resp: 88063
Ion Ratio Lower Upper
63 100
112 4.2 3.0 4.6



#38
Bromodichloromethane
Concen: 54.622 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.000 min
Lab File: VU060007.D
Acq: 17 Jul 2024 20:29

Tgt Ion: 83 Resp: 116641
Ion Ratio Lower Upper
83 100
85 62.9 45.0 83.6
127 8.9 7.4 11.2

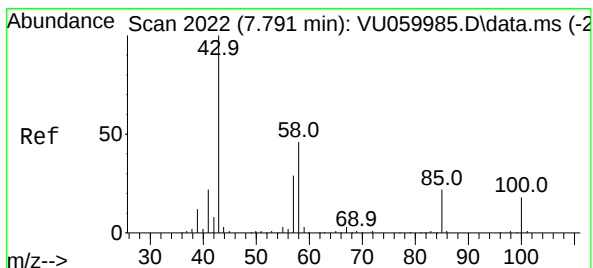
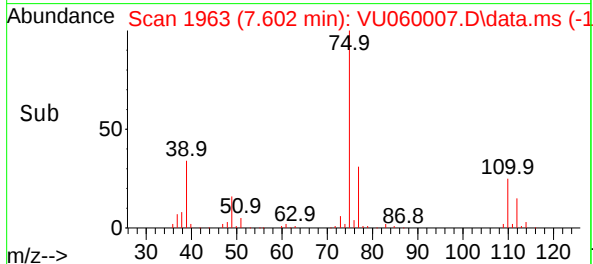
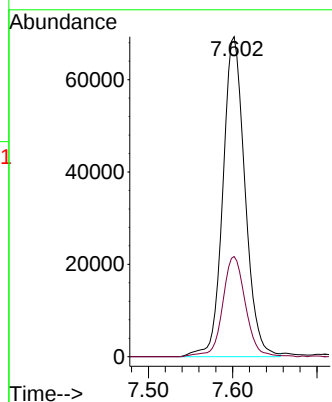
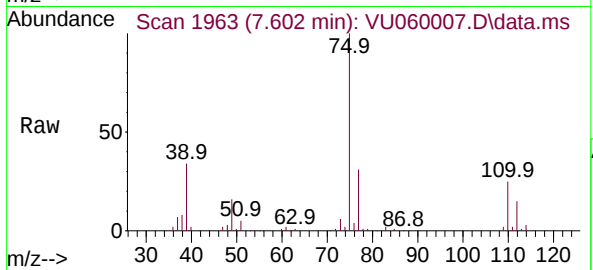




#39
 cis-1,3-Dichloropropene
 Concen: 48.829 ug/L
 RT: 7.602 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VU060007.D
 Acq: 17 Jul 2024 20:29

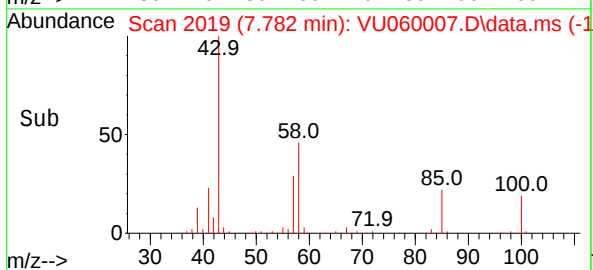
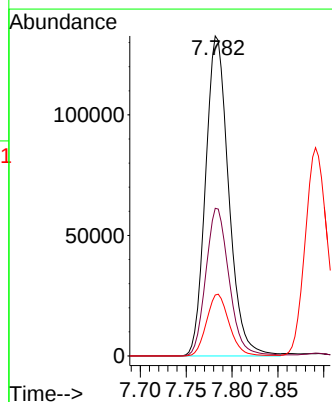
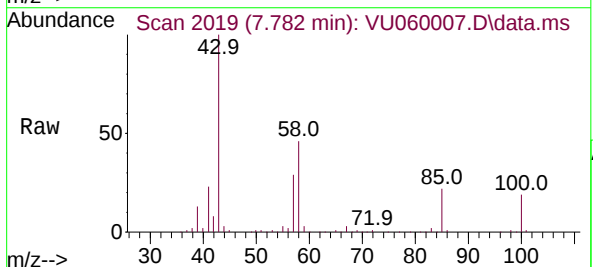
Instrument :
 MSVOA_U
 ClientSampleId :

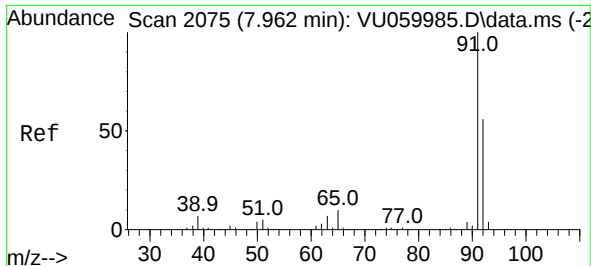
Tgt Ion: 75 Resp: 125907
 Ion Ratio Lower Upper
 75 100
 77 31.3 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 109.410 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.010 min
 Lab File: VU060007.D
 Acq: 17 Jul 2024 20:29

Tgt Ion: 43 Resp: 233051
 Ion Ratio Lower Upper
 43 100
 58 46.4 35.3 52.9
 100 18.9 14.6 22.0





#42

Toluene

Concen: 52.849 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU060007.D

Acq: 17 Jul 2024 20:29

Instrument :

MSVOA_U

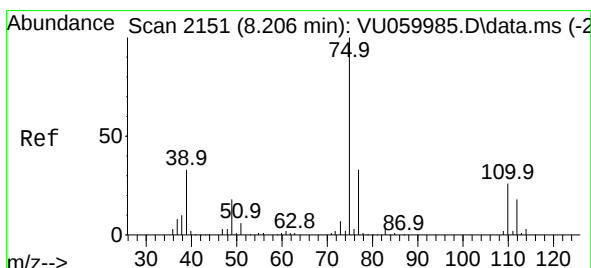
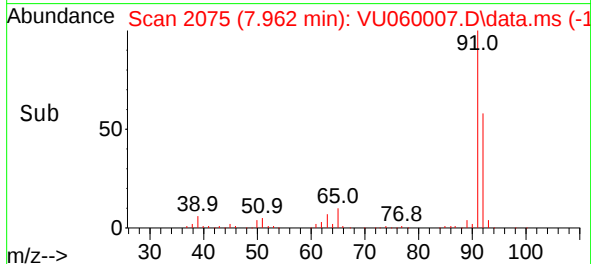
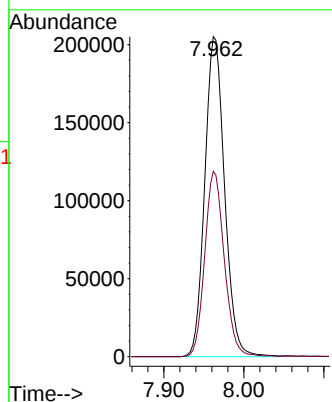
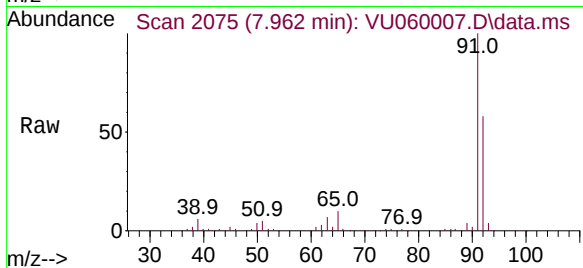
ClientSampleId :

Tgt Ion: 91 Resp: 353258

Ion Ratio Lower Upper

91 100

92 57.9 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 50.078 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU060007.D

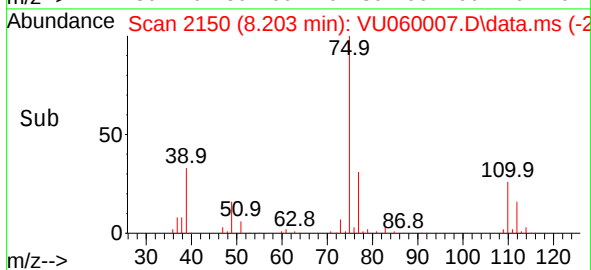
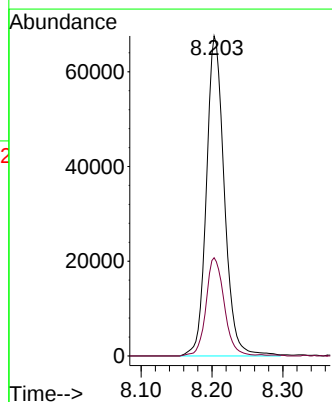
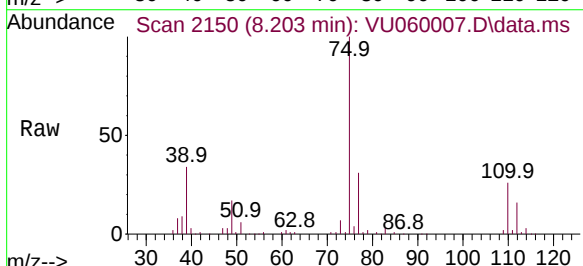
Acq: 17 Jul 2024 20:29

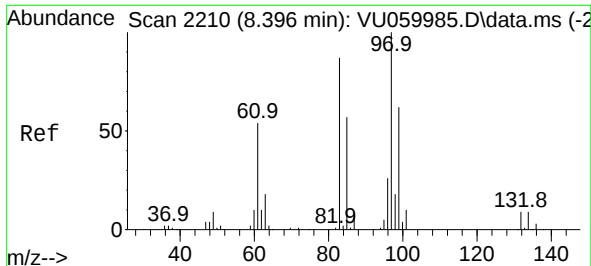
Tgt Ion: 75 Resp: 118610

Ion Ratio Lower Upper

75 100

77 30.7 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 54.192 ug/L

RT: 8.393 min Scan# 2210

Delta R.T. -0.003 min

Lab File: VU060007.D

Acq: 17 Jul 2024 20:29

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 95648

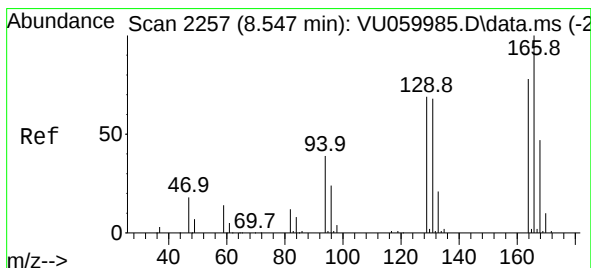
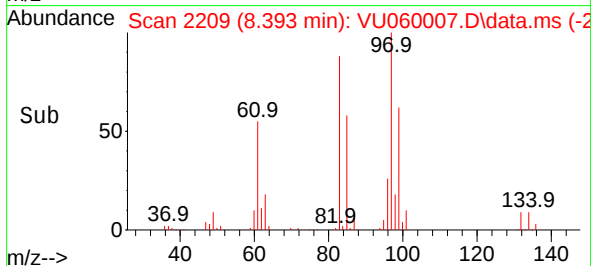
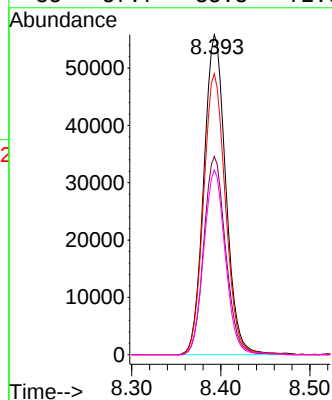
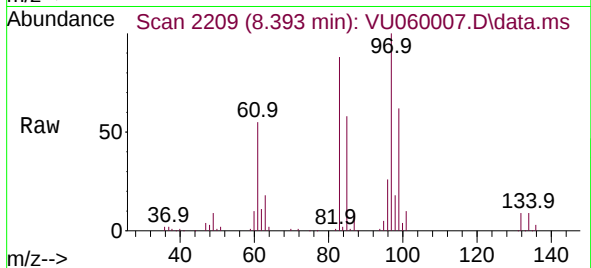
Ion Ratio Lower Upper

97 100

99 62.0 43.1 80.1

83 87.8 60.4 112.2

85 57.7 38.8 72.0



#46

Tetrachloroethene

Concen: 48.541 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU060007.D

Acq: 17 Jul 2024 20:29

Tgt Ion:164 Resp: 65247

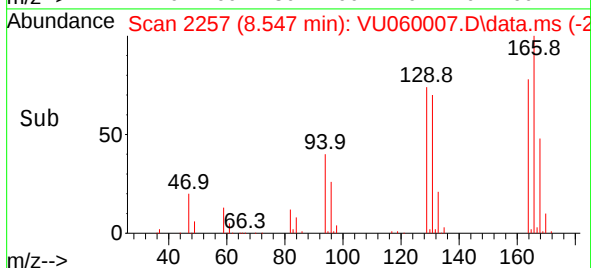
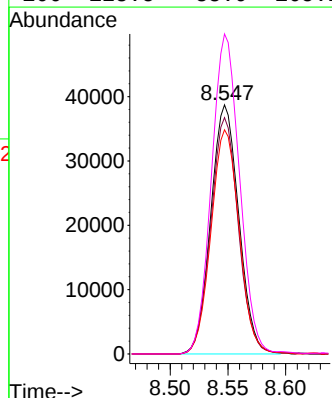
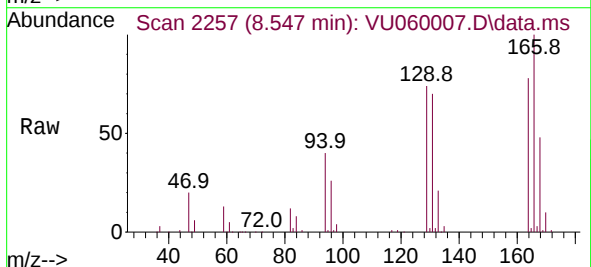
Ion Ratio Lower Upper

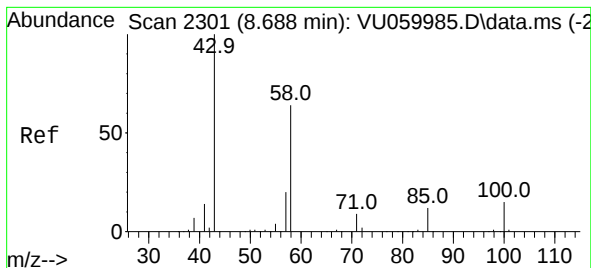
164 100

129 94.9 62.7 116.5

131 90.0 62.3 115.7

166 128.5 88.9 165.1





#48

2-Hexanone

Concen: 108.046 ug/L

RT: 8.676 min Scan# 21

Delta R.T. -0.013 min

Lab File: VU060007.D

Acq: 17 Jul 2024 20:29

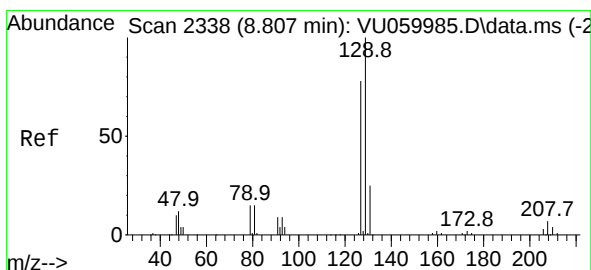
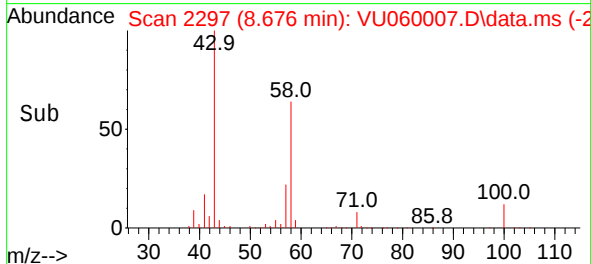
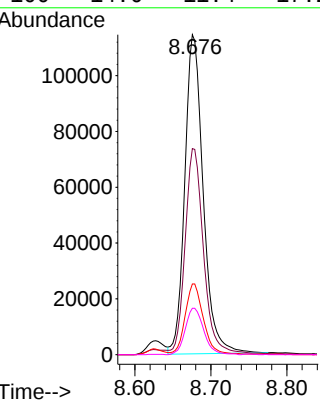
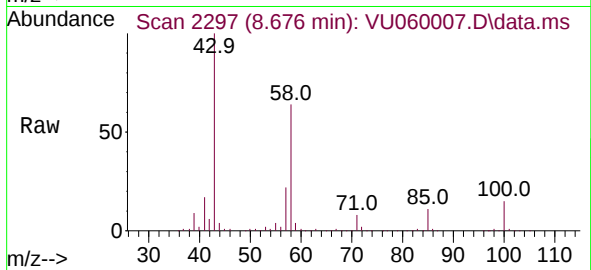
Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 43 Resp: 192615

Ion	Ratio	Lower	Upper
43	100		
58	63.8	49.0	73.6
57	22.0	16.7	25.1
100	14.6	11.4	17.2



#49

Dibromochloromethane

Concen: 53.583 ug/L

RT: 8.804 min Scan# 2337

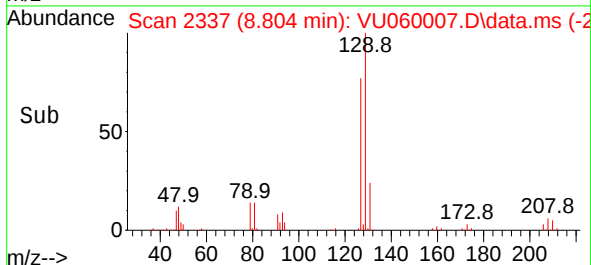
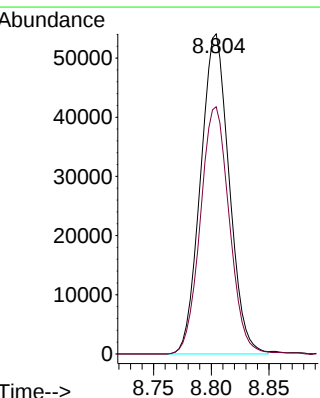
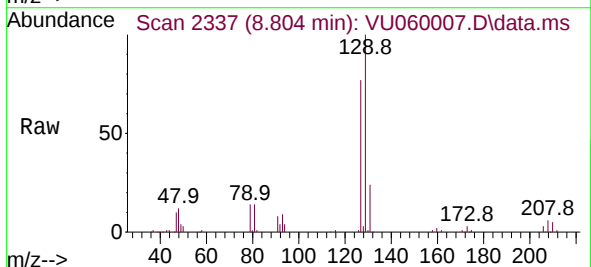
Delta R.T. -0.003 min

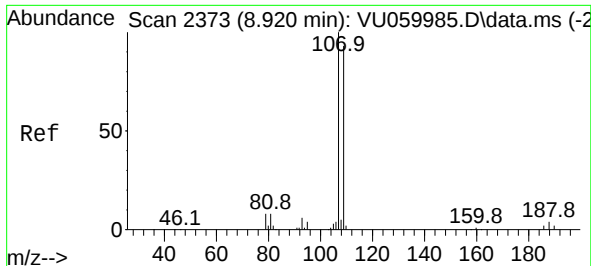
Lab File: VU060007.D

Acq: 17 Jul 2024 20:29

Tgt Ion:129 Resp: 93183

Ion	Ratio	Lower	Upper
129	100		
127	77.2	54.0	100.2

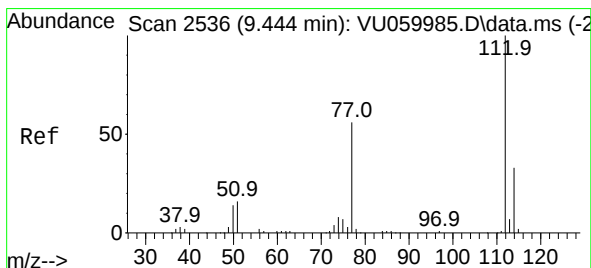
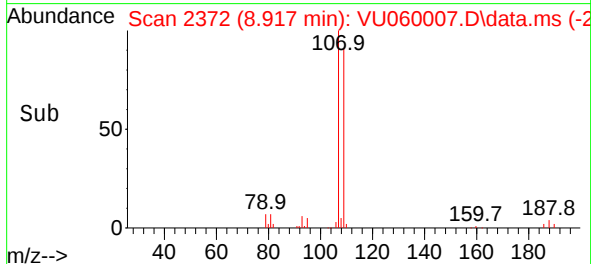
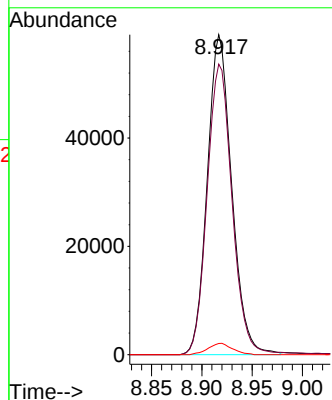
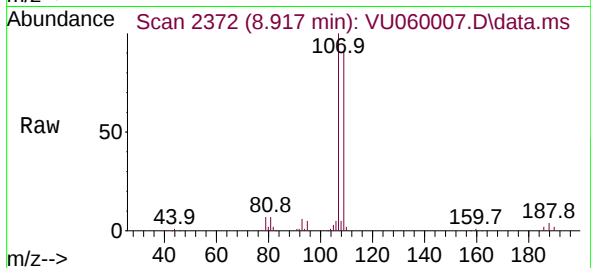




#50
1,2-Dibromoethane
Concen: 54.059 ug/L
RT: 8.917 min Scan# 24
Delta R.T. -0.003 min
Lab File: VU060007.D
Acq: 17 Jul 2024 20:29

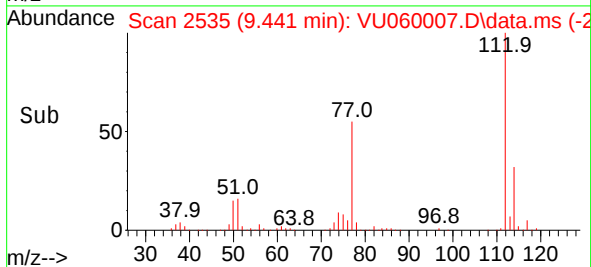
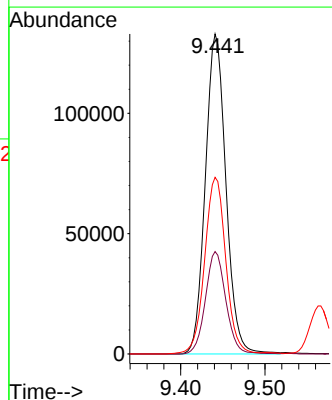
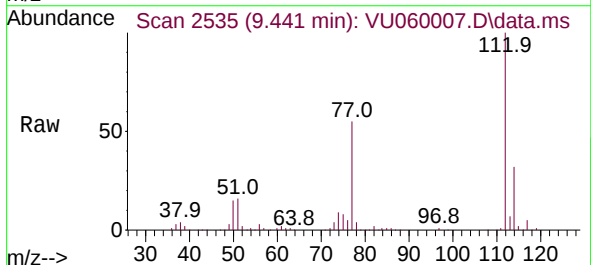
Instrument :
MSVOA_U
ClientSampleId :

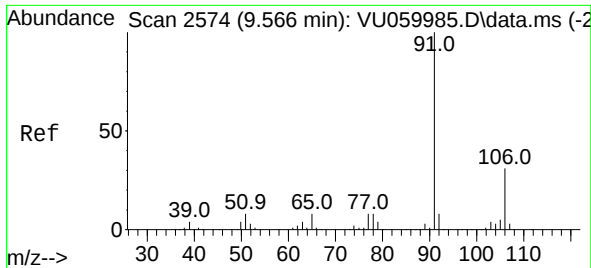
Tgt Ion:107 Resp: 99761
Ion Ratio Lower Upper
107 100
109 90.8 65.5 121.6
188 3.5 3.0 4.4



#51
Chlorobenzene
Concen: 51.121 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. -0.003 min
Lab File: VU060007.D
Acq: 17 Jul 2024 20:29

Tgt Ion:112 Resp: 226850
Ion Ratio Lower Upper
112 100
114 32.0 22.7 42.3
77 55.2 45.8 68.6

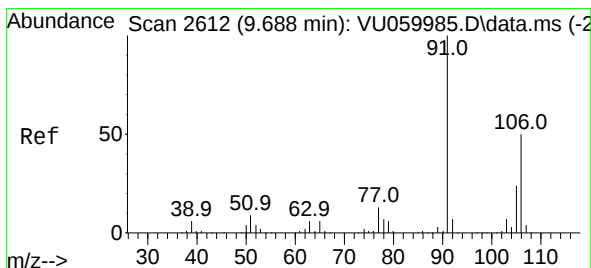
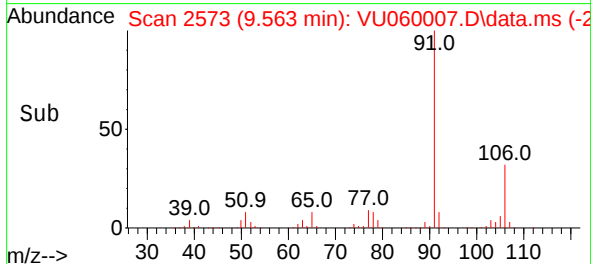
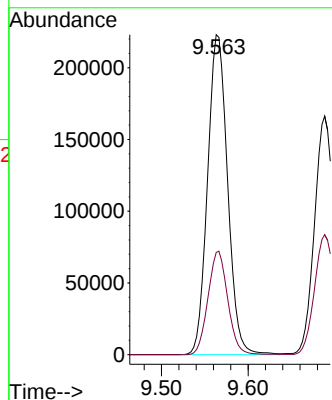
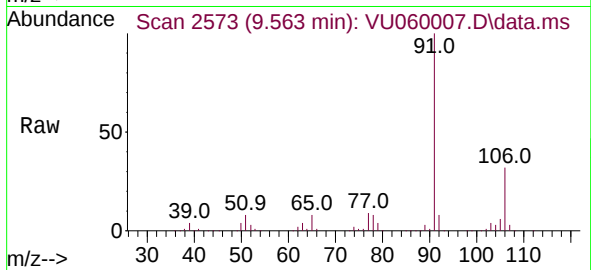




#52
Ethylbenzene
Concen: 50.285 ug/L
RT: 9.563 min Scan# 2574
Delta R.T. -0.003 min
Lab File: VU060007.D
Acq: 17 Jul 2024 20:29

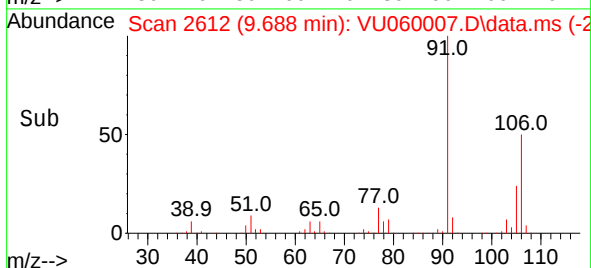
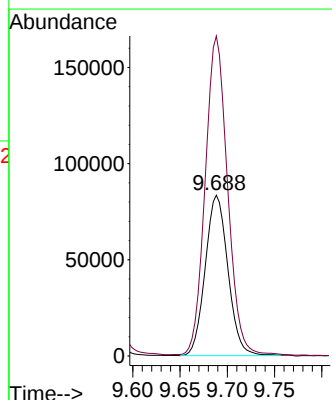
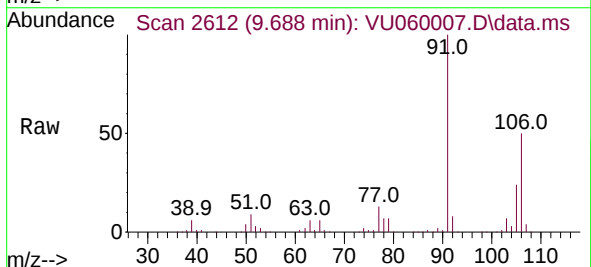
Instrument :
MSVOA_U
ClientSampleId :

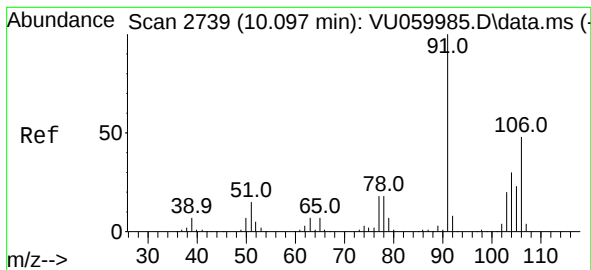
Tgt Ion: 91 Resp: 358939
Ion Ratio Lower Upper
91 100
106 31.9 22.4 41.6



#53
m,p-Xylene
Concen: 50.187 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU060007.D
Acq: 17 Jul 2024 20:29

Tgt Ion:106 Resp: 139484
Ion Ratio Lower Upper
106 100
91 199.0 140.9 261.7





#54

o-Xylene

Concen: 51.538 ug/L

RT: 10.094 min Scan# 21

Delta R.T. -0.003 min

Lab File: VU060007.D

Acq: 17 Jul 2024 20:29

Instrument :

MSVOA_U

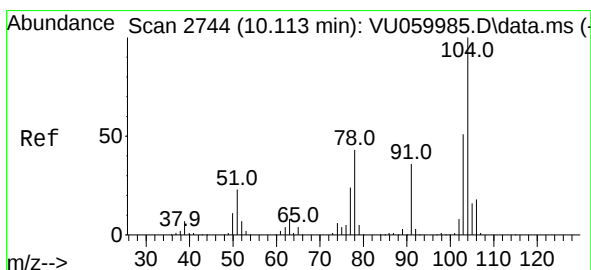
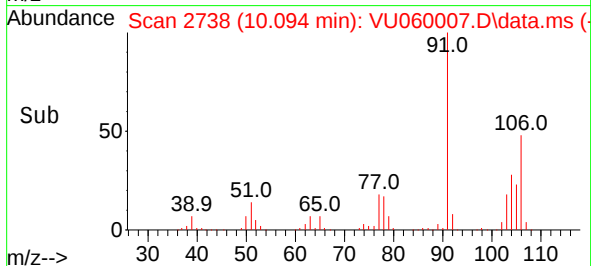
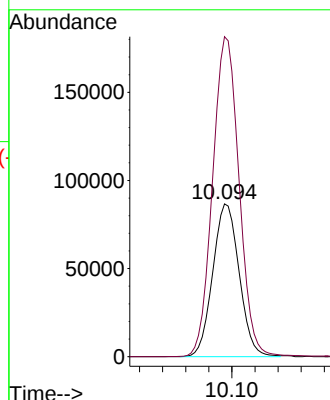
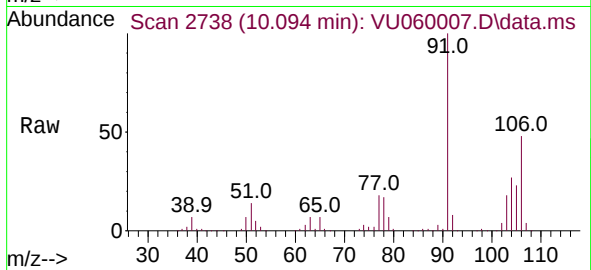
ClientSampleId :

Tgt Ion:106 Resp: 137740

Ion Ratio Lower Upper

106 100

91 209.5 147.4 273.8



#55

Styrene

Concen: 53.856 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.003 min

Lab File: VU060007.D

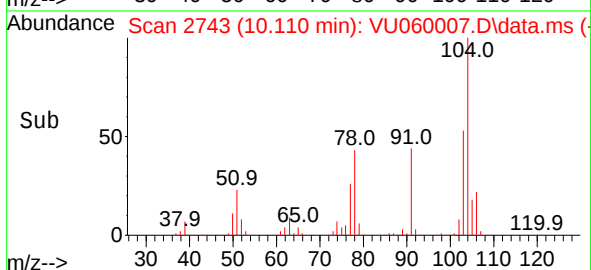
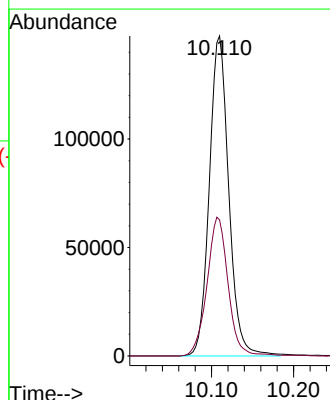
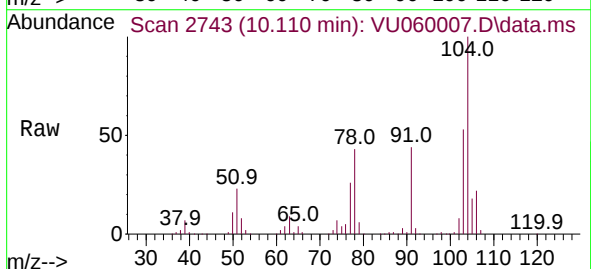
Acq: 17 Jul 2024 20:29

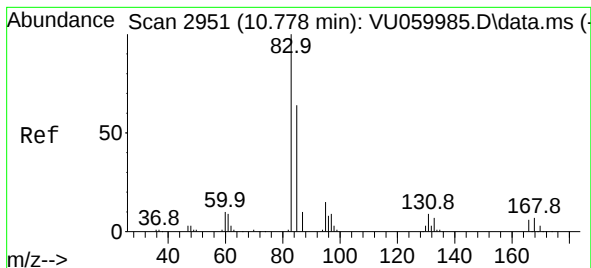
Tgt Ion:104 Resp: 242832

Ion Ratio Lower Upper

104 100

78 42.6 30.9 57.5

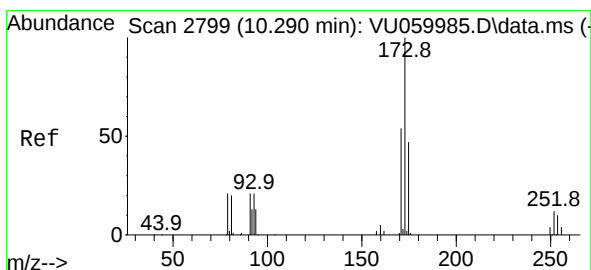
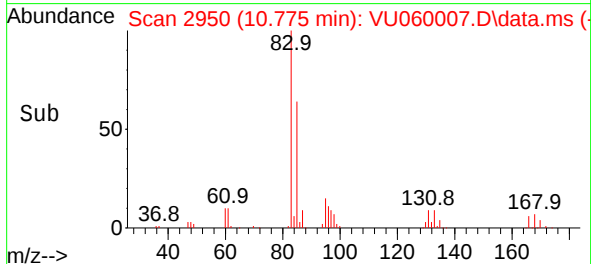
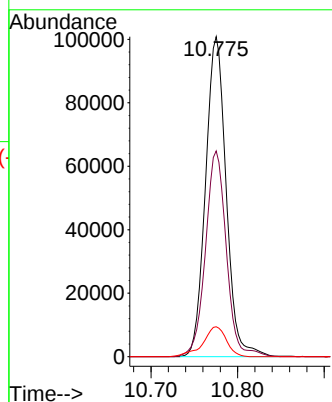
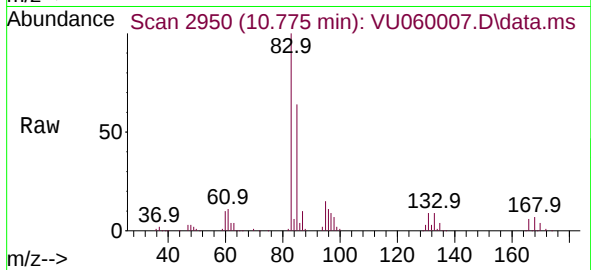




#57
1,1,2,2-Tetrachloroethane
Concen: 56.060 ug/L
RT: 10.775 min Scan# 2951
Delta R.T. -0.003 min
Lab File: VU060007.D
Acq: 17 Jul 2024 20:29

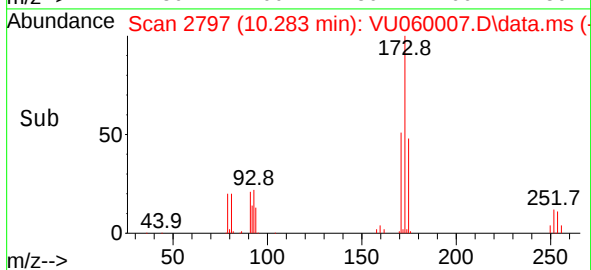
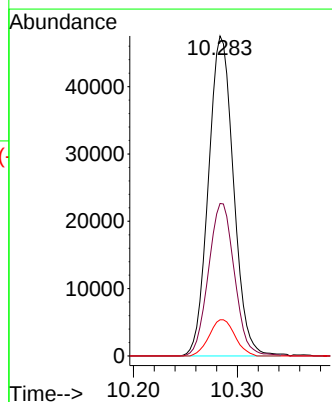
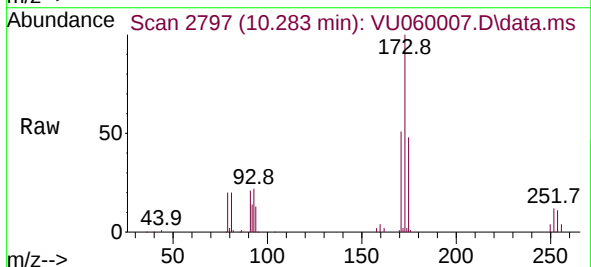
Instrument :
MSVOA_U
ClientSampleId :

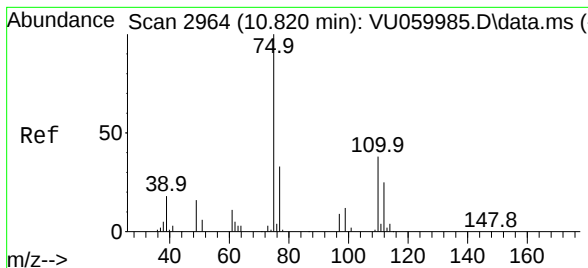
Tgt Ion: 83 Resp: 166861
Ion Ratio Lower Upper
83 100
85 64.3 45.4 84.2
131 9.3 7.5 11.3



#59
Bromoform
Concen: 55.899 ug/L
RT: 10.283 min Scan# 2797
Delta R.T. -0.006 min
Lab File: VU060007.D
Acq: 17 Jul 2024 20:29

Tgt Ion:173 Resp: 79771
Ion Ratio Lower Upper
173 100
175 49.3 39.4 59.2
254 11.6 9.0 13.4





#60

1,2,3-Trichloropropane

Concen: 56.984 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. -0.006 min

Lab File: VU060007.D

Acq: 17 Jul 2024 20:29

Instrument :

MSVOA_U

ClientSampleId :

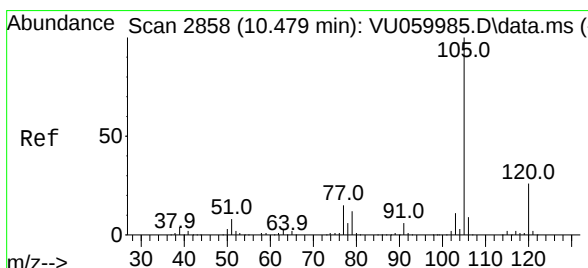
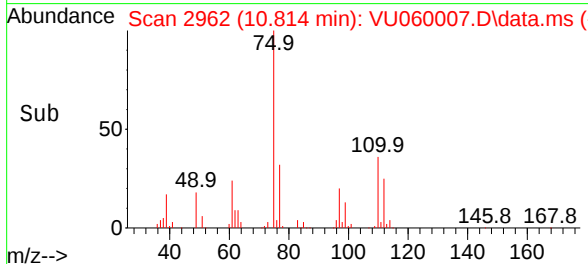
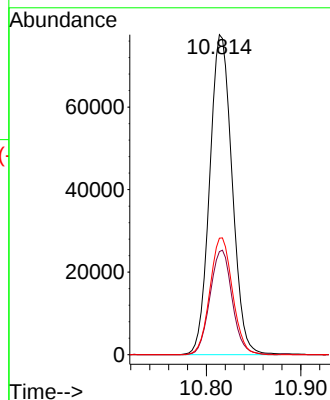
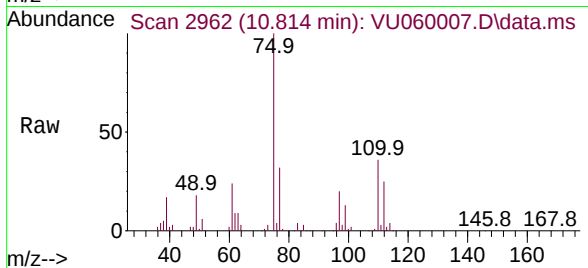
Tgt Ion: 75 Resp: 127639

Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3

110 36.8 30.7 46.1



#61

Isopropylbenzene

Concen: 51.149 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU060007.D

Acq: 17 Jul 2024 20:29

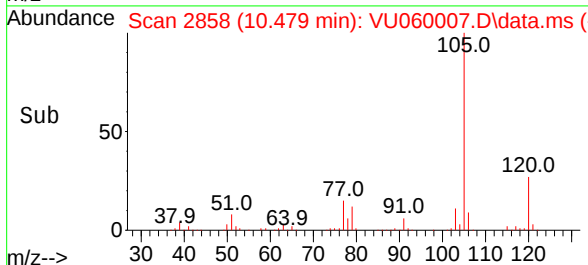
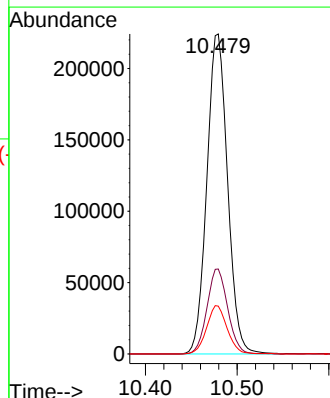
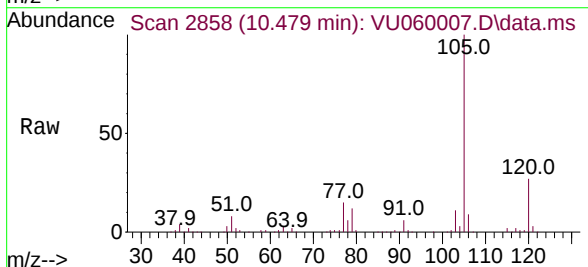
Tgt Ion:105 Resp: 351900

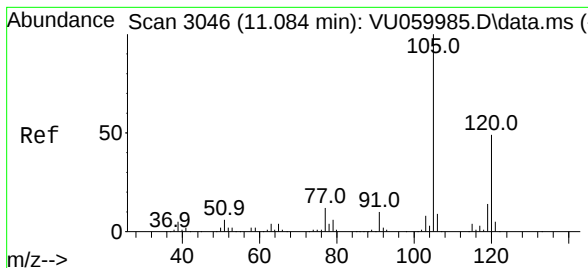
Ion Ratio Lower Upper

105 100

120 26.5 20.9 31.3

77 15.0 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 48.520 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU060007.D

Acq: 17 Jul 2024 20:29

Instrument :

MSVOA_U

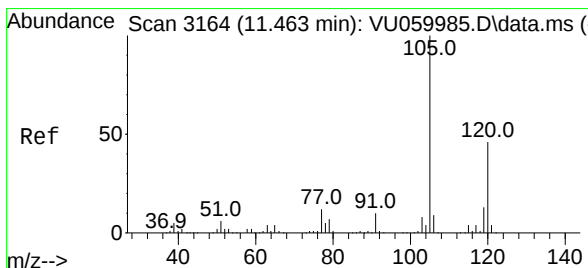
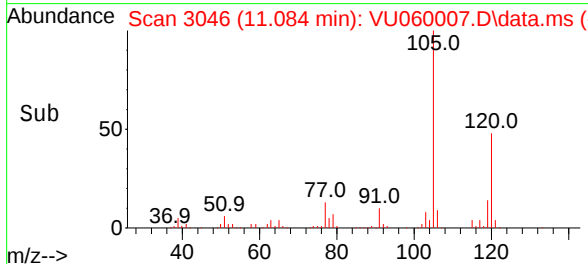
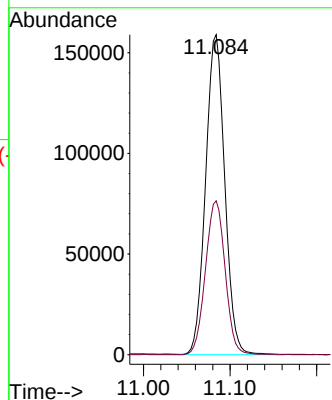
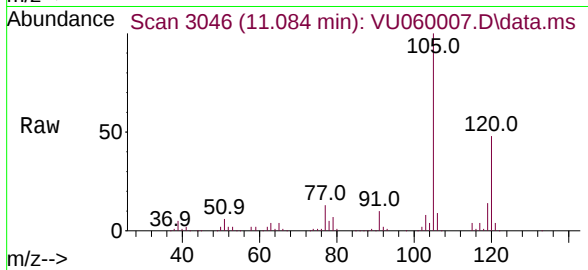
ClientSampleId :

Tgt Ion:105 Resp: 244370

Ion Ratio Lower Upper

105 100

120 49.3 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 49.681 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU060007.D

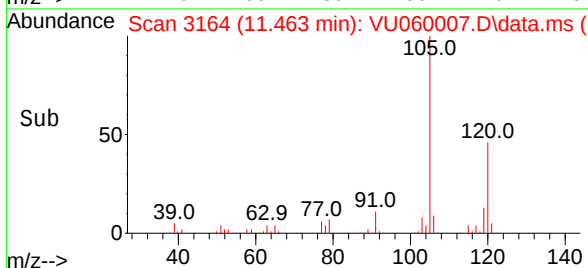
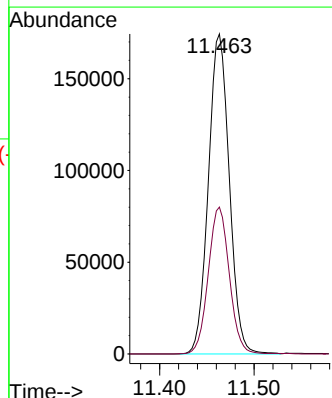
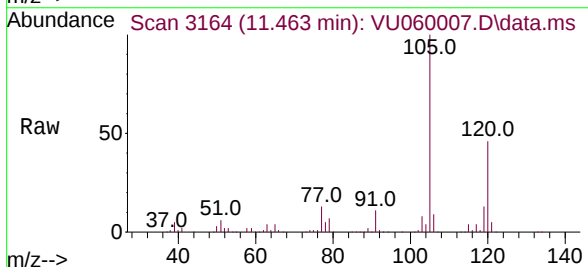
Acq: 17 Jul 2024 20:29

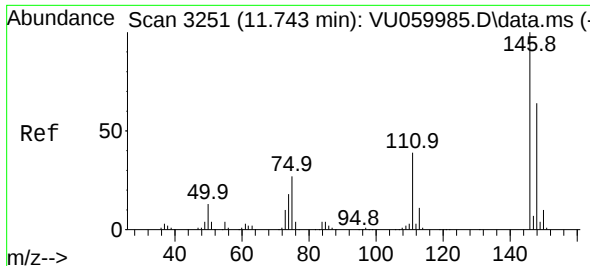
Tgt Ion:105 Resp: 268018

Ion Ratio Lower Upper

105 100

120 46.2 37.0 55.6





#64

1,3-Dichlorobenzene

Concen: 51.120 ug/L

RT: 11.740 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU060007.D

Acq: 17 Jul 2024 20:29

Instrument :

MSVOA_U

ClientSampleId :

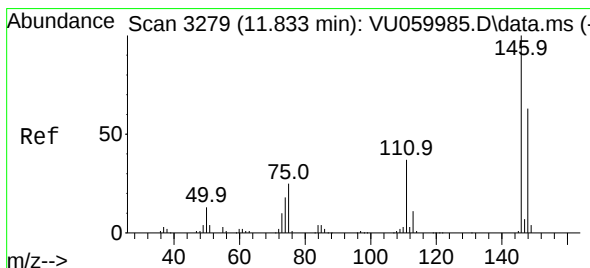
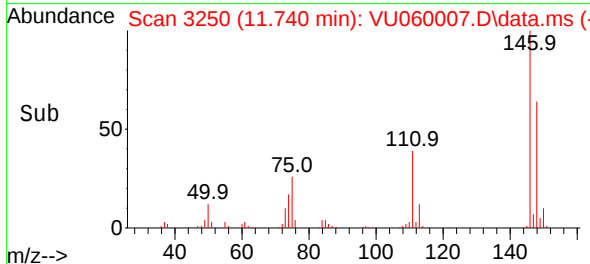
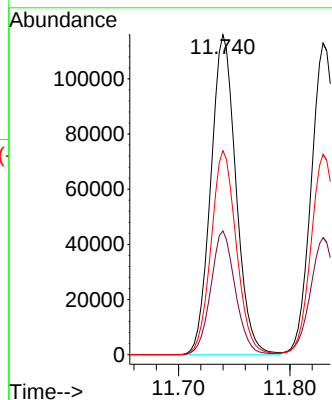
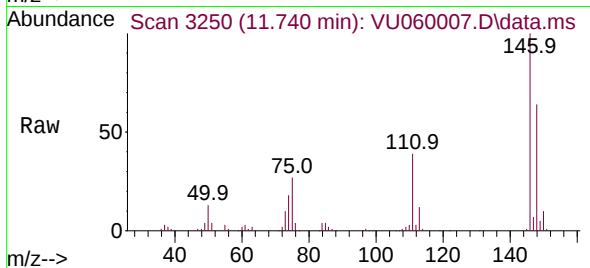
Tgt Ion:146 Resp: 182397

Ion Ratio Lower Upper

146 100

111 38.7 26.5 49.1

148 63.7 43.8 81.3



#65

1,4-Dichlorobenzene

Concen: 49.605 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.003 min

Lab File: VU060007.D

Acq: 17 Jul 2024 20:29

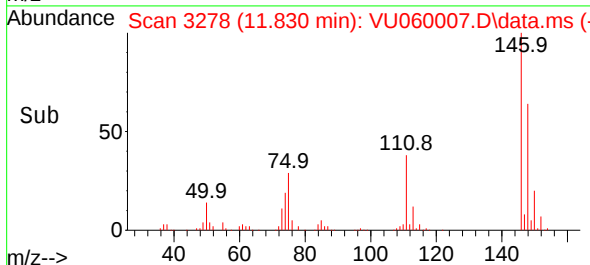
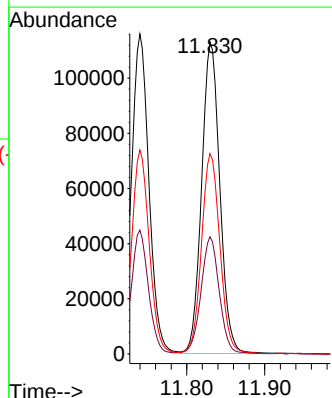
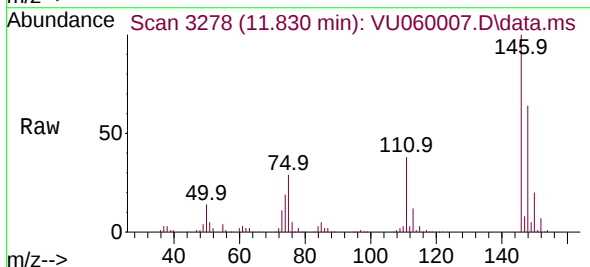
Tgt Ion:146 Resp: 182966

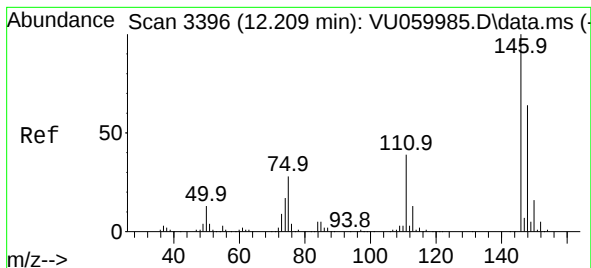
Ion Ratio Lower Upper

146 100

111 37.6 25.9 48.1

148 64.3 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 51.034 ug/L

RT: 12.206 min Scan# 3396

Delta R.T. -0.003 min

Lab File: VU060007.D

Acq: 17 Jul 2024 20:29

Instrument :

MSVOA_U

ClientSampleId :

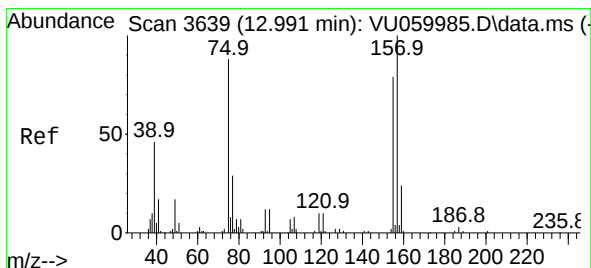
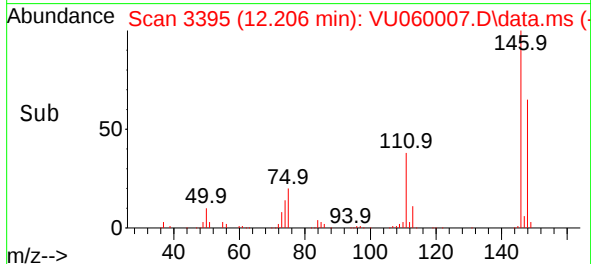
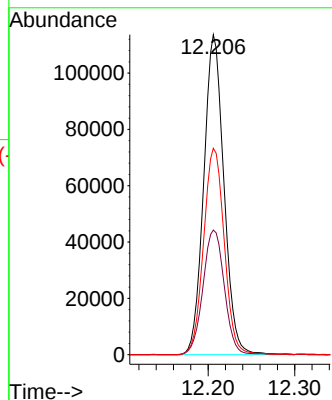
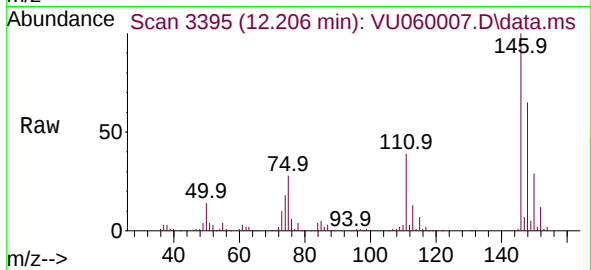
Tgt Ion:146 Resp: 183946

Ion Ratio Lower Upper

146 100

111 38.9 31.7 47.5

148 64.5 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 60.690 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.003 min

Lab File: VU060007.D

Acq: 17 Jul 2024 20:29

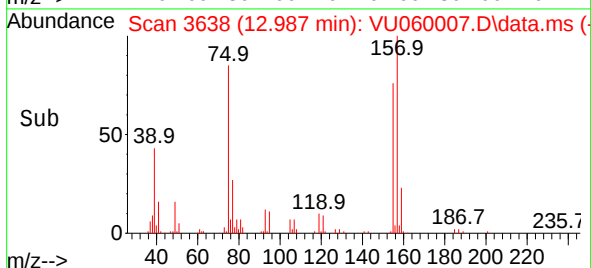
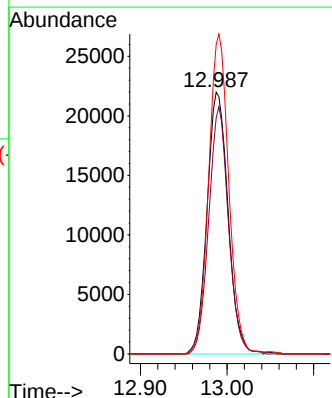
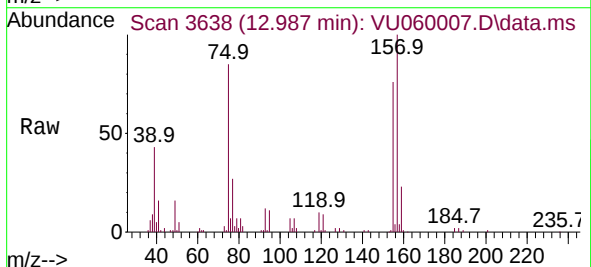
Tgt Ion: 75 Resp: 37177

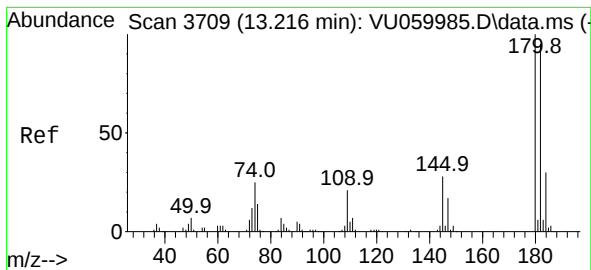
Ion Ratio Lower Upper

75 100

155 95.4 73.5 110.3

157 118.2 93.5 140.3





#69

1,3,5-Trichlorobenzene

Concen: 47.413 ug/L

RT: 13.212 min Scan# 3709

Delta R.T. -0.003 min

Lab File: VU060007.D

Acq: 17 Jul 2024 20:29

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 121970

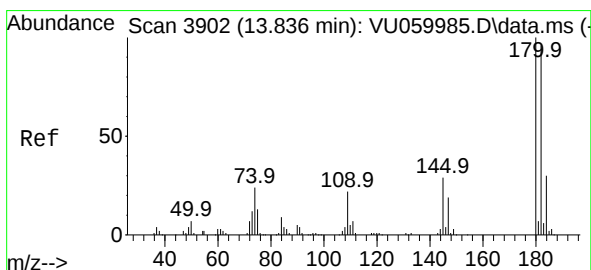
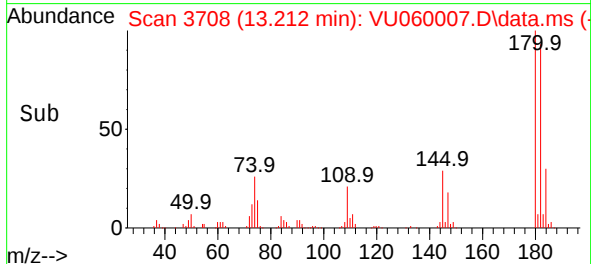
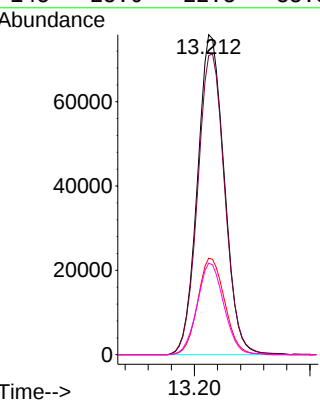
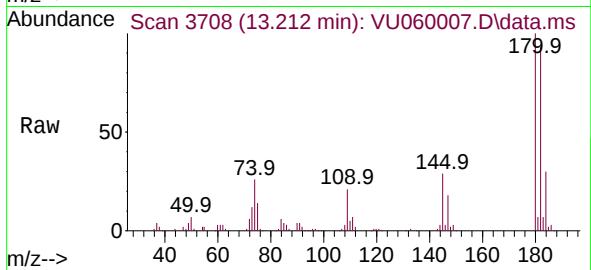
Ion Ratio Lower Upper

180 100

182 95.5 75.8 113.8

184 30.4 24.7 37.1

145 28.6 22.3 33.5



#70

1,2,4-trichlorobenzene

Concen: 47.099 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU060007.D

Acq: 17 Jul 2024 20:29

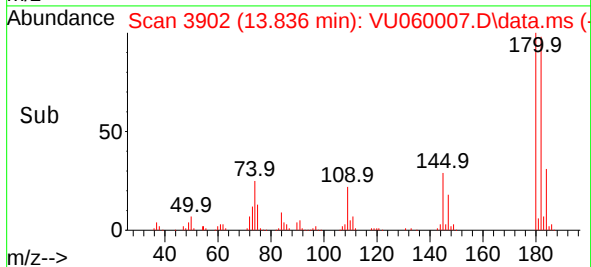
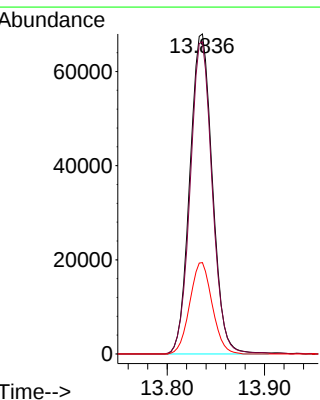
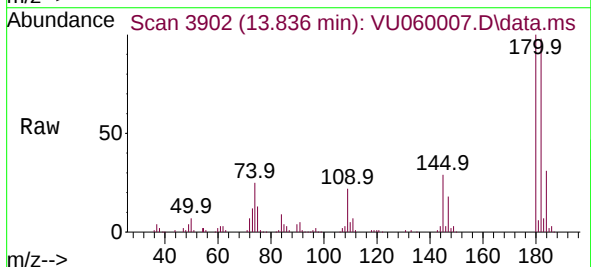
Tgt Ion:180 Resp: 109204

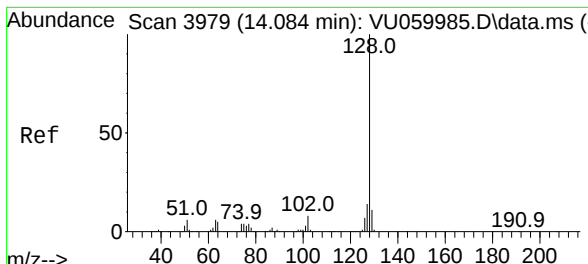
Ion Ratio Lower Upper

180 100

182 95.2 76.4 114.6

145 28.4 23.0 34.4

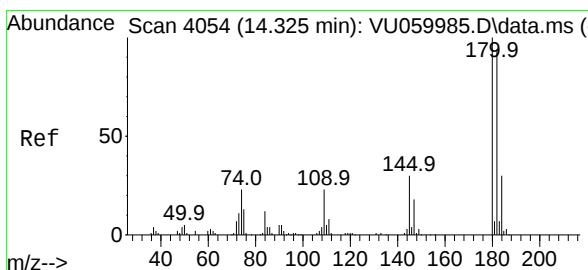
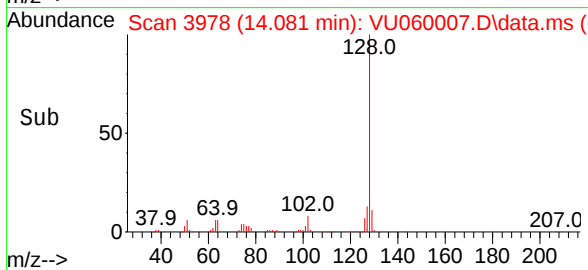
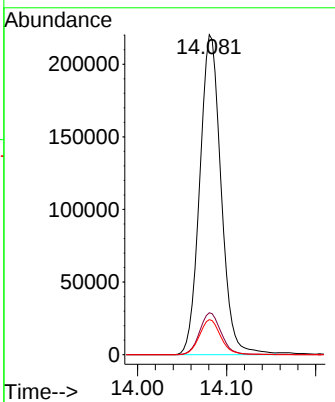
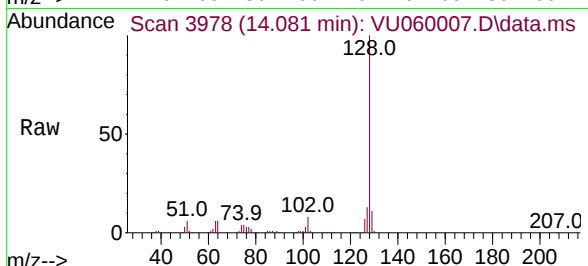




#71
Naphthalene
Concen: 54.573 ug/L
RT: 14.081 min Scan# 3979
Delta R.T. -0.003 min
Lab File: VU060007.D
Acq: 17 Jul 2024 20:29

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128	Resp: 365664
Ion Ratio	Lower Upper
128 100	
127 13.2	10.4 15.6
129 10.9	8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 53.326 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU060007.D
Acq: 17 Jul 2024 20:29

Tgt Ion:180	Resp: 124052		
Ion Ratio	Lower	Upper	
180 100			
182 93.9	75.8	113.8	
145 29.8	24.5	36.7	

