

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071124\
 Data File : VU059910.D
 Acq On : 11 Jul 2024 16:07
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 12 02:07:10 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 12 02:03:36 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	240244	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	245995	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	133007	50.000	ug/L	0.00

System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	69583	45.110	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	90.220%
7) Chloroethane-d5	1.907	69	60570	46.683	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.360%
11) 1,1-Dichloroethene-d2	2.563	63	120189	43.858	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.720%
21) 2-Butanone-d5	4.611	46	112358	104.812	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.810%
24) Chloroform-d	5.052	84	150143	50.263	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.520%
26) 1,2-Dichloroethane-d4	5.692	65	86254	48.563	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.120%
32) Benzene-d6	5.721	84	289586	45.972	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.940%
36) 1,2-Dichloropropane-d6	6.682	67	91820	47.097	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.200%
41) Toluene-d8	7.891	98	269750	45.030	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.060%
43) trans-1,3-Dichloroprop...	8.174	79	41066	45.014	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.020%
47) 2-Hexanone-d5	8.624	63	78821	95.932	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	95.930%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	150654	50.346	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.700%
66) 1,2-Dichlorobenzene-d4	12.187	152	106536	43.589	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.180%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	72871	48.840	ug/L	99
3) Chloromethane	1.518	50	81489	55.657	ug/L	97
5) Vinyl chloride	1.602	62	90404	52.598	ug/L	99
6) Bromomethane	1.849	94	56047	62.080	ug/L	100
8) Chloroethane	1.930	64	59297	52.992	ug/L	99
9) Trichlorofluoromethane	2.132	101	121049	50.587	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	77384	50.805	ug/L	99
12) 1,1-Dichloroethene	2.573	96	70026	49.159	ug/L	93
13) Acetone	2.618	43	87025	78.836	ug/L	97
14) Carbon disulfide	2.788	76	172658	48.023	ug/L	97
15) Methyl Acetate	2.939	43	87907	52.820	ug/L	98
16) Methylene chloride	3.039	84	87472	48.696	ug/L	99
17) trans-1,2-Dichloroethene	3.345	96	72781	49.629	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	228022	47.873	ug/L	99
19) 1,1-Dichloroethane	3.859	63	146318	52.606	ug/L	97
20) cis-1,2-Dichloroethene	4.656	96	87691	49.381	ug/L	97
22) 2-Butanone	4.692	43	125455	92.373	ug/L	98
23) Bromochloromethane	4.968	128	48016	51.263	ug/L	95
25) Chloroform	5.078	83	156429	52.264	ug/L	99

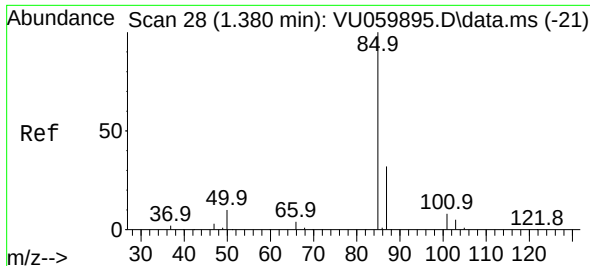
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071124\
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	116211	51.145	ug/L	98
29) Cyclohexane	5.380	56	96192	43.671	ug/L	98
30) 1,1,1-Trichloroethane	5.306	97	125187	49.123	ug/L	98
31) Carbon tetrachloride	5.518	117	101528	48.230	ug/L	100
33) Benzene	5.766	78	333727	50.239	ug/L	100
34) Trichloroethene	6.537	95	85372	48.160	ug/L	98
35) Methylcyclohexane	6.756	83	106633	43.556	ug/L	97
37) 1,2-Dichloropropane	6.782	63	93122	50.930	ug/L	99
38) Bromodichloromethane	7.097	83	117061	50.528	ug/L	98
39) cis-1,3-Dichloropropene	7.598	75	131950	47.167	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	229158	99.161	ug/L	99
42) Toluene	7.962	91	365192	50.358	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	123919	48.224	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	95955	50.110	ug/L	97
46) Tetrachloroethene	8.547	164	67464	46.262	ug/L	97
48) 2-Hexanone	8.676	43	190188	98.334	ug/L	99
49) Dibromochloromethane	8.801	129	92089	48.809	ug/L	100
50) 1,2-Dibromoethane	8.917	107	99160	49.527	ug/L	97
51) Chlorobenzene	9.441	112	232122	48.214	ug/L	100
52) Ethylbenzene	9.563	91	365338	47.175	ug/L	100
53) m,p-Xylene	9.688	106	143795	47.688	ug/L	97
54) o-Xylene	10.094	106	139487	48.106	ug/L	99
55) Styrene	10.110	104	250145	51.135	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.775	83	168706	52.243	ug/L	99
59) Bromoform	10.283	173	77936	48.461	ug/L	99
60) 1,2,3-Trichloropropane	10.814	75	127366	50.456	ug/L	99
61) Isopropylbenzene	10.479	105	363132	46.836	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	253069	44.587	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	275046	45.241	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	190953	47.490	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	195113	46.940	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	190592	46.921	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.987	75	34103	49.401	ug/L	97
69) 1,3,5-Trichlorobenzene	13.212	180	131922	45.505	ug/L	99
70) 1,2,4-trichlorobenzene	13.833	180	111325	42.605	ug/L	100
71) Naphthalene	14.080	128	319065	42.254	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	121083	46.187	ug/L	99

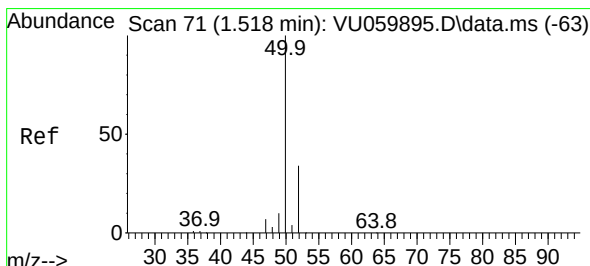
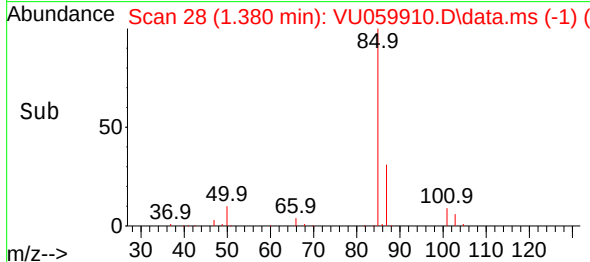
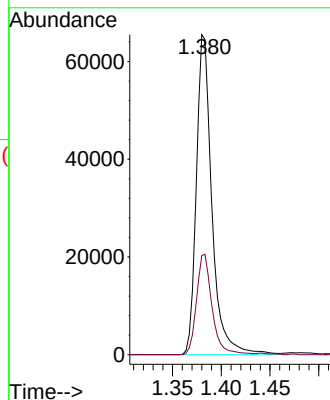
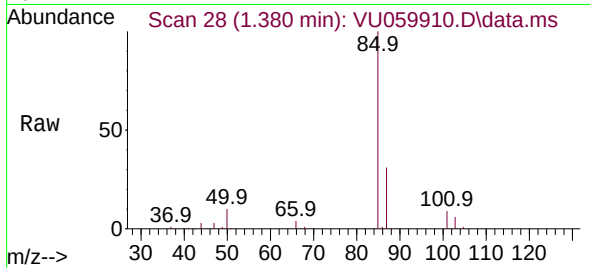
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
 Dichlorodifluoromethane
 Concen: 48.840 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU059910.D
 Acq: 11 Jul 2024 16:07

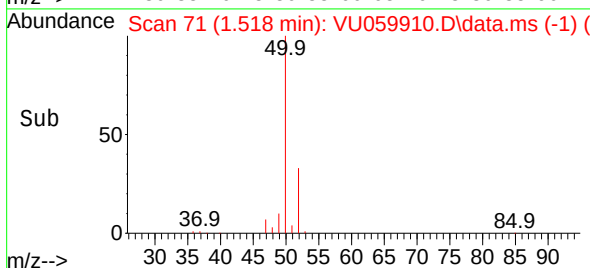
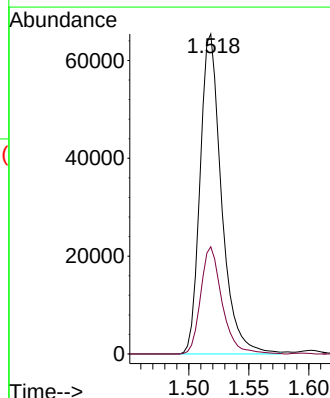
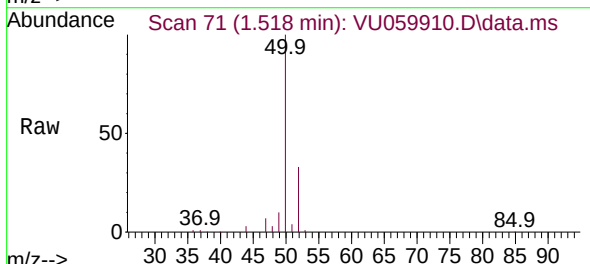
Instrument :
 MSVOA_U
 ClientSampleId :

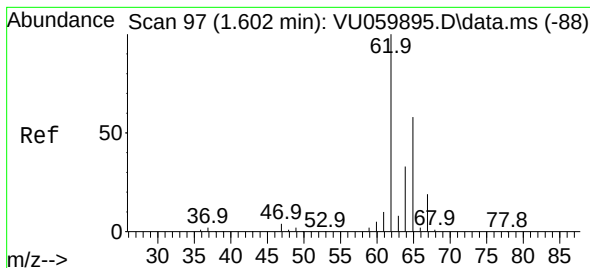
Tgt Ion: 85 Resp: 72871
 Ion Ratio Lower Upper
 85 100
 87 31.2 25.4 38.2



#3
 Chloromethane
 Concen: 55.657 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU059910.D
 Acq: 11 Jul 2024 16:07

Tgt Ion: 50 Resp: 81489
 Ion Ratio Lower Upper
 50 100
 52 33.5 24.5 45.5





#5

Vinyl chloride

Concen: 52.598 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

Instrument :

MSVOA_U

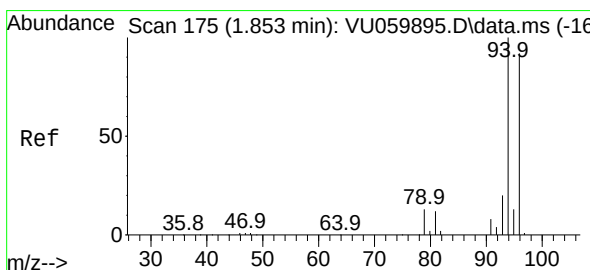
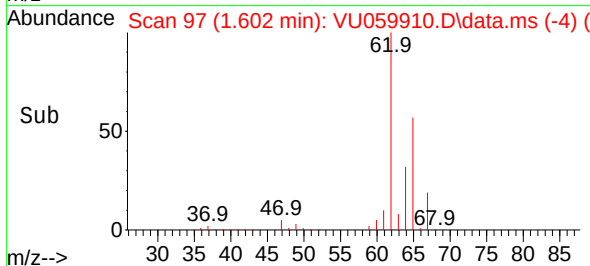
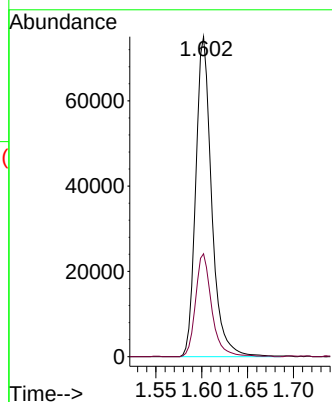
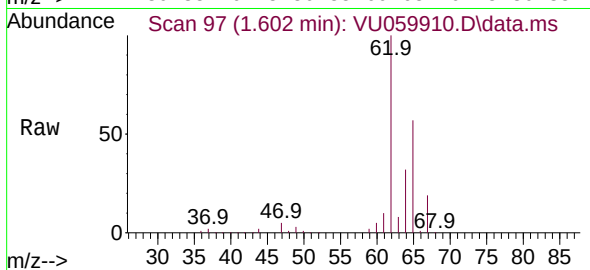
ClientSampleId :

Tgt Ion: 62 Resp: 90404

Ion Ratio Lower Upper

62 100

64 32.2 22.9 42.5



#6

Bromomethane

Concen: 62.080 ug/L

RT: 1.849 min Scan# 174

Delta R.T. -0.003 min

Lab File: VU059910.D

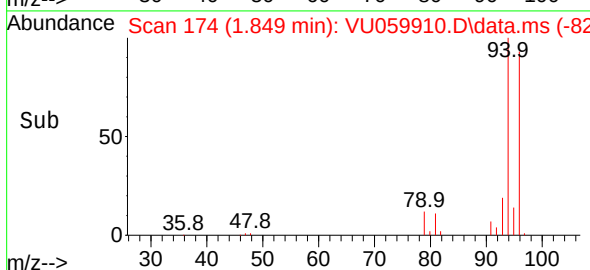
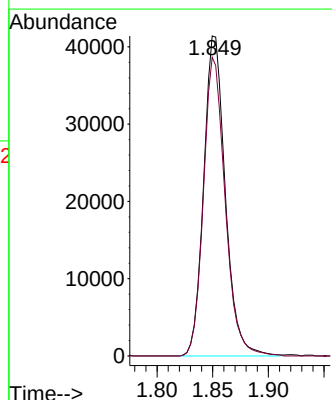
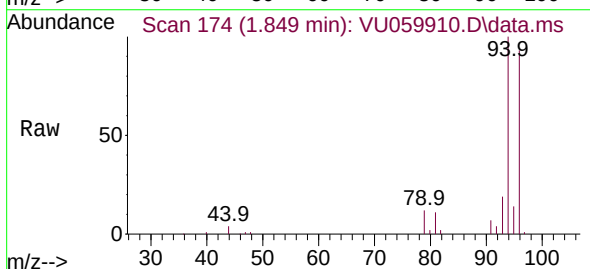
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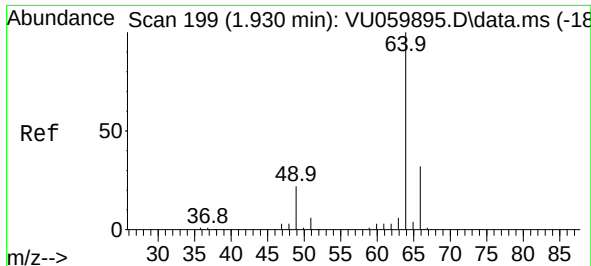
Tgt Ion: 94 Resp: 56047

Ion Ratio Lower Upper

94 100

96 93.4 65.2 121.2

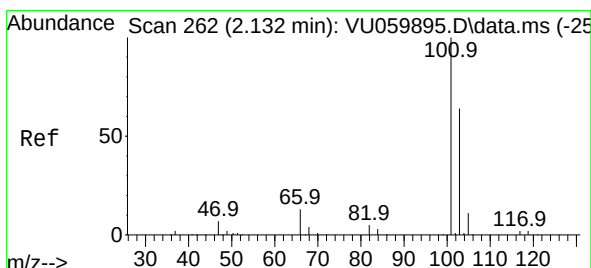
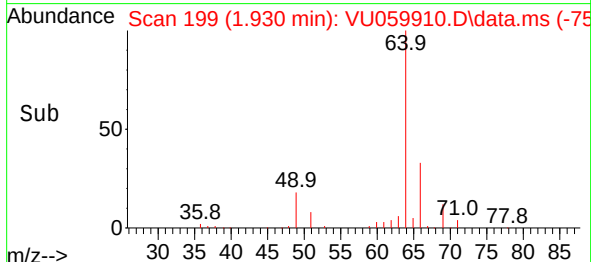
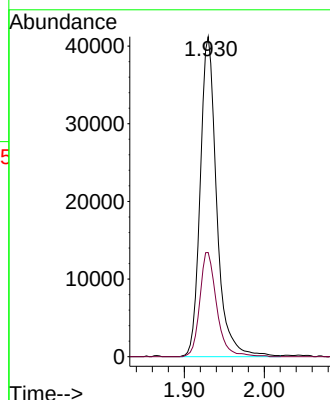
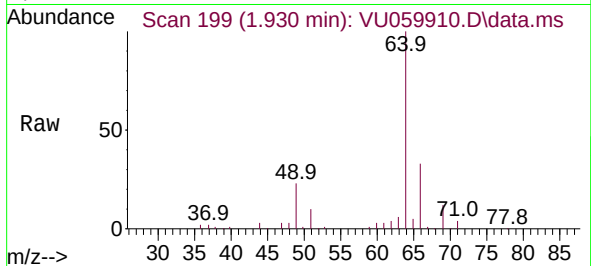




#8
Chloroethane
Concen: 52.992 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU059910.D
Acq: 11 Jul 2024 16:07

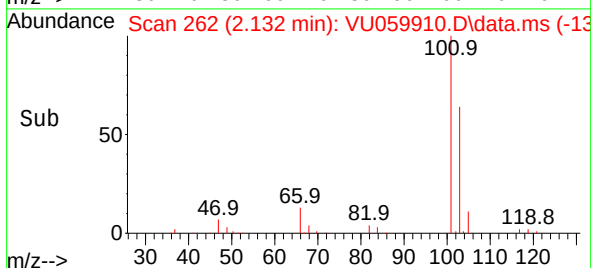
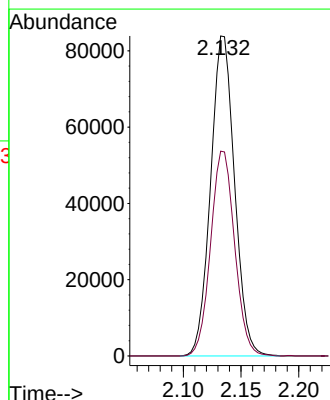
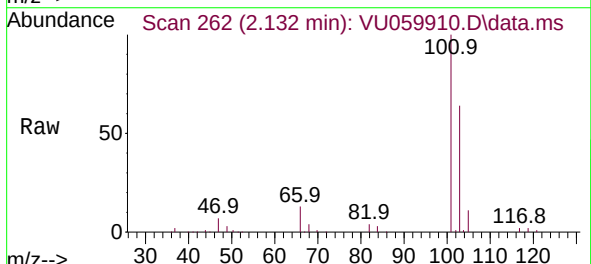
Instrument :
MSVOA_U
ClientSampleId :

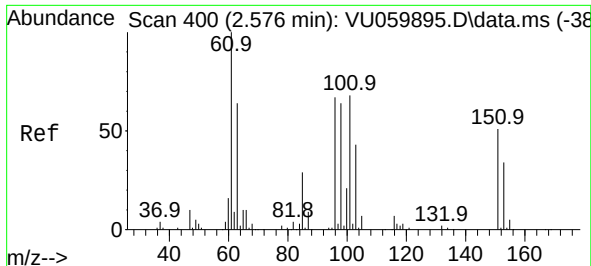
Tgt Ion: 64 Resp: 59297
Ion Ratio Lower Upper
64 100
66 32.6 22.3 41.3



#9
Trichlorofluoromethane
Concen: 50.587 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.000 min
Lab File: VU059910.D
Acq: 11 Jul 2024 16:07

Tgt Ion:101 Resp: 121049
Ion Ratio Lower Upper
101 100
103 64.1 52.3 78.5





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 50.805 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

Instrument :

MSVOA_U

ClientSampleId :

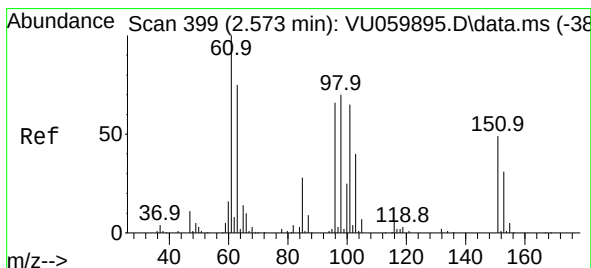
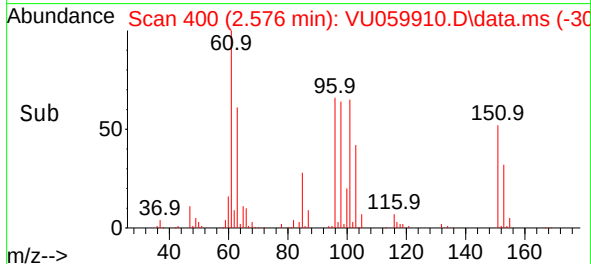
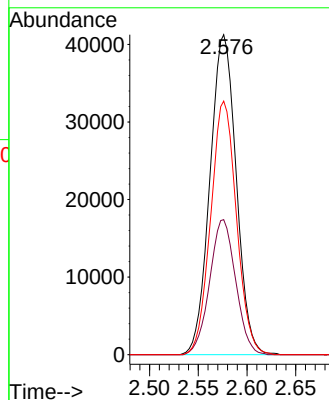
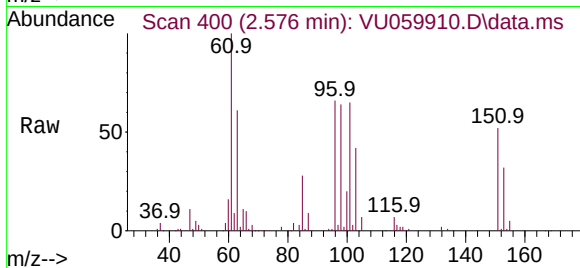
Tgt Ion:101 Resp: 77384

Ion Ratio Lower Upper

101 100

85 41.7 34.8 52.2

151 77.7 62.3 93.5



#12

1,1-Dichloroethene

Concen: 49.159 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.000 min

Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

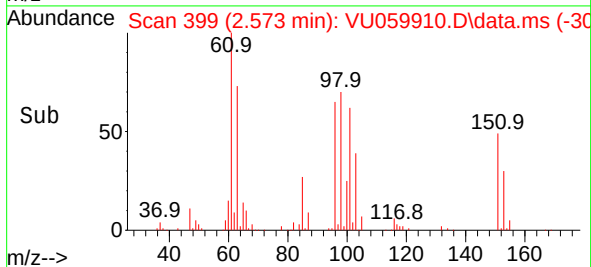
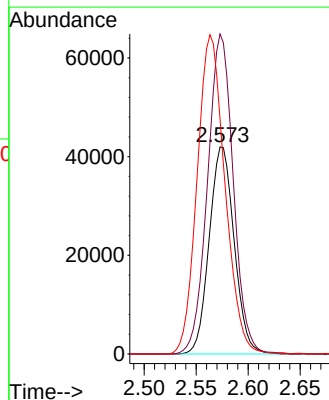
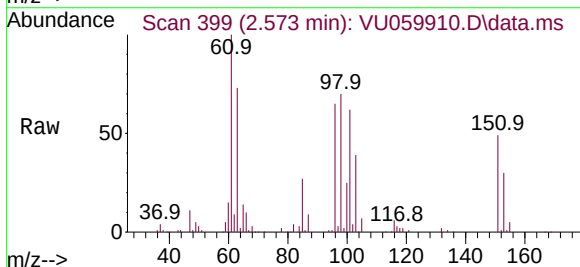
Tgt Ion: 96 Resp: 70026

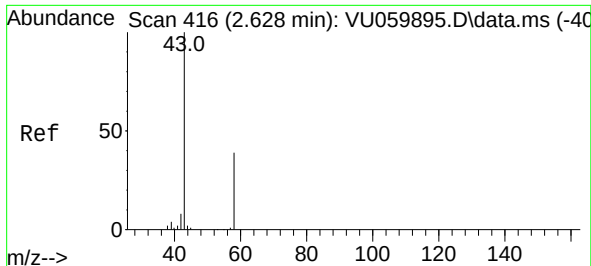
Ion Ratio Lower Upper

96 100

61 154.5 112.2 208.4

63 113.5 87.4 162.2





#13

Acetone

Concen: 78.836 ug/L

RT: 2.618 min Scan# 416

Delta R.T. -0.010 min

Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

Instrument :

MSVOA_U

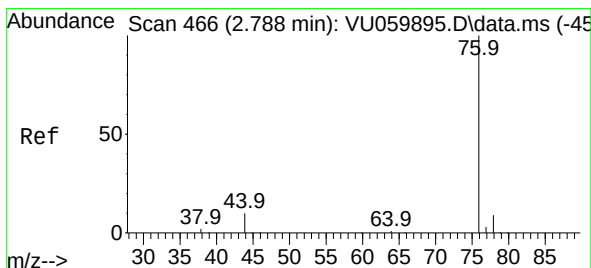
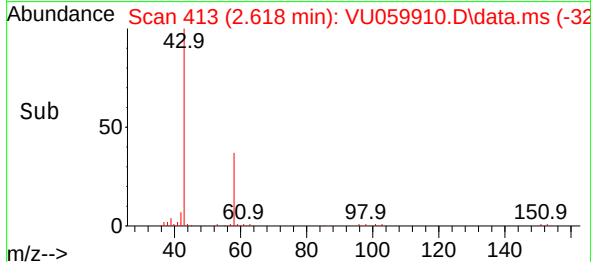
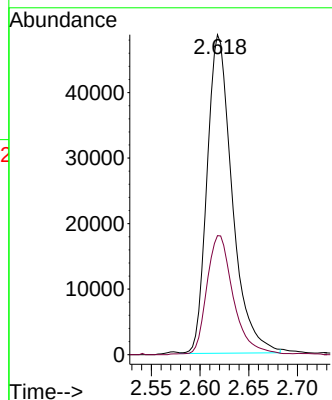
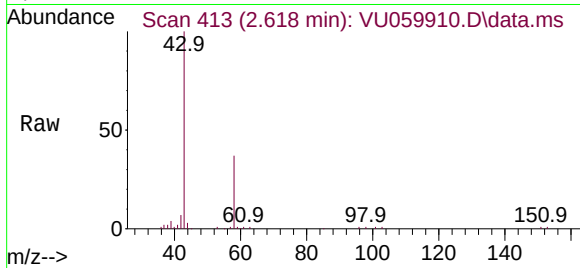
ClientSampleId :

Tgt Ion: 43 Resp: 87025

Ion Ratio Lower Upper

43 100

58 38.7 0.0 73.8



#14

Carbon disulfide

Concen: 48.023 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU059910.D

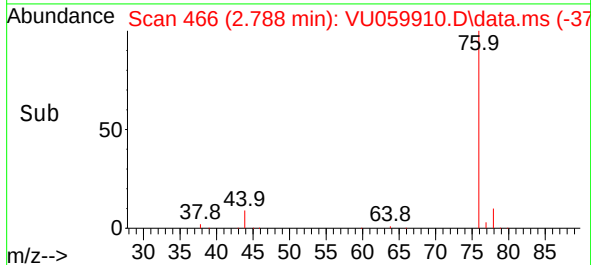
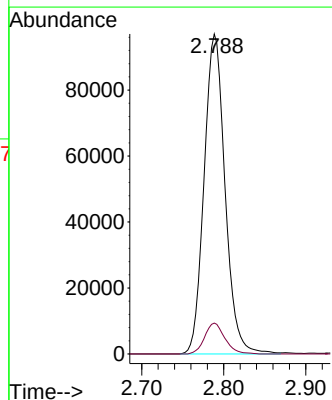
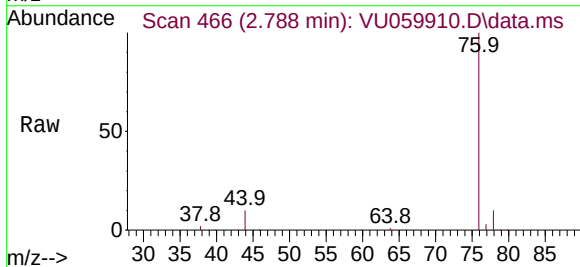
Acq: 11 Jul 2024 16:07

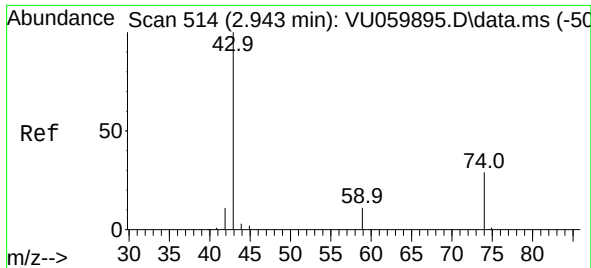
Tgt Ion: 76 Resp: 172658

Ion Ratio Lower Upper

76 100

78 9.7 7.0 10.4





#15

Methyl Acetate

Concen: 52.820 ug/L

RT: 2.939 min Scan# 514

Delta R.T. -0.003 min

Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

Instrument :

MSVOA_U

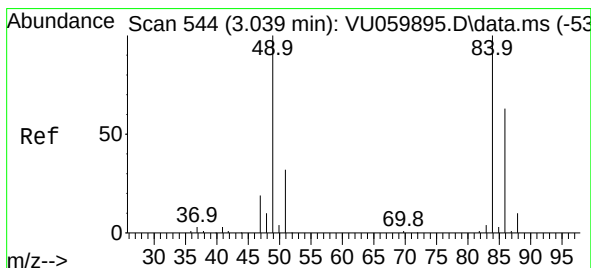
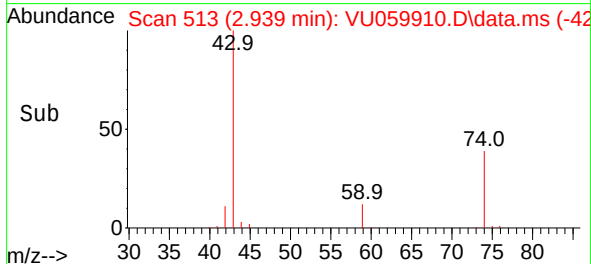
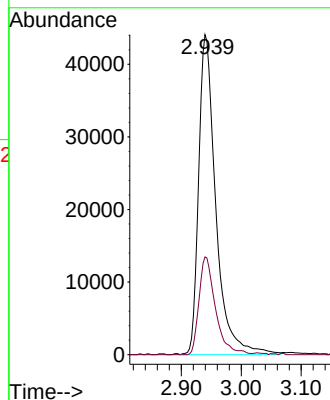
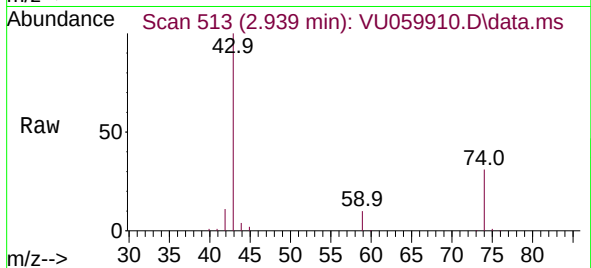
ClientSampleId :

Tgt Ion: 43 Resp: 87907

Ion Ratio Lower Upper

43 100

74 28.8 24.1 36.1



#16

Methylene chloride

Concen: 48.696 ug/L

RT: 3.039 min Scan# 544

Delta R.T. -0.000 min

Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

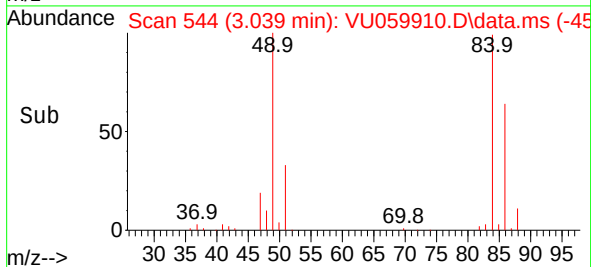
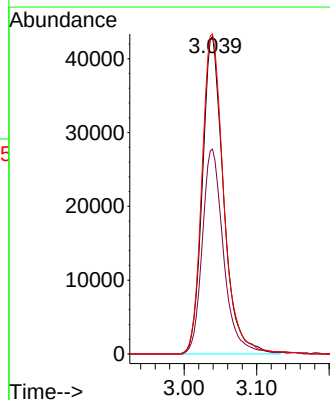
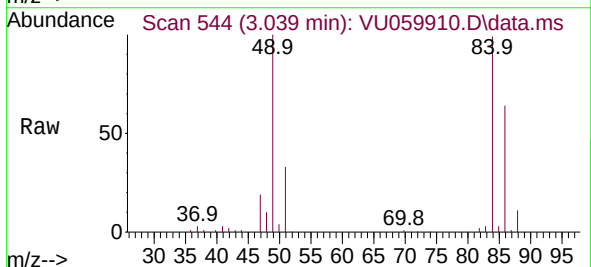
Tgt Ion: 84 Resp: 87472

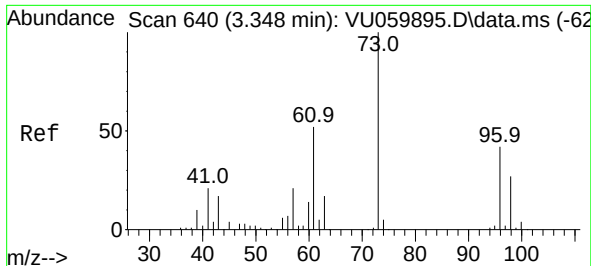
Ion Ratio Lower Upper

84 100

86 64.5 44.7 83.1

49 100.8 71.6 133.0





#17

trans-1,2-Dichloroethene

Concen: 49.629 ug/L

RT: 3.345 min Scan# 640

Delta R.T. -0.003 min

Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

Instrument :

MSVOA_U

ClientSampleId :

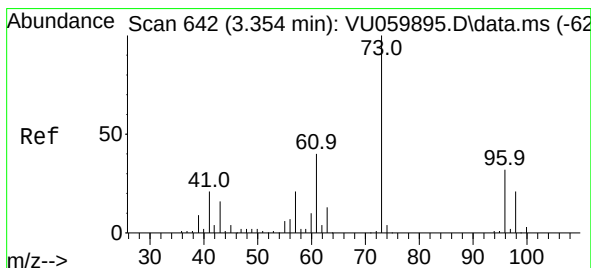
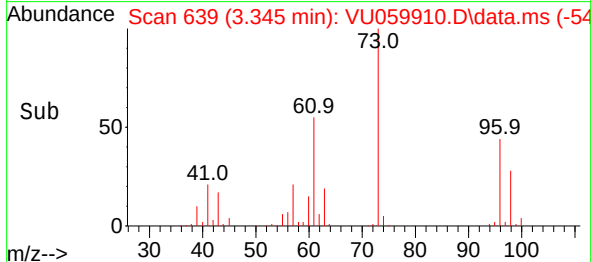
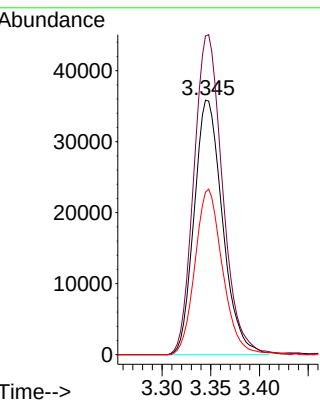
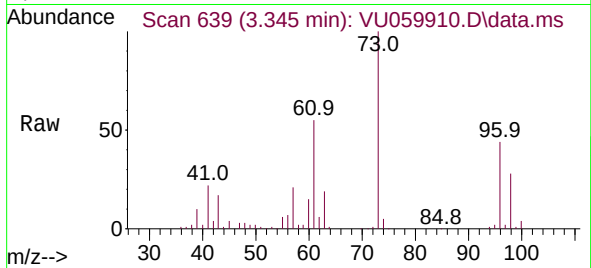
Tgt Ion: 96 Resp: 72781

Ion Ratio Lower Upper

96 100

61 125.2 90.6 168.3

98 63.8 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 47.873 ug/L

RT: 3.354 min Scan# 642

Delta R.T. -0.000 min

Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

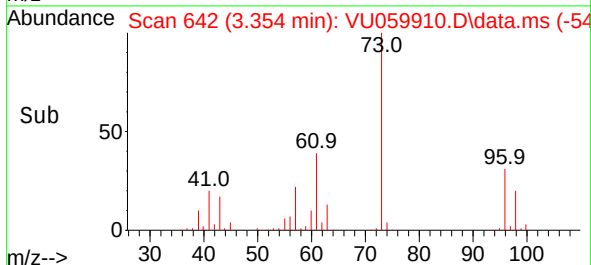
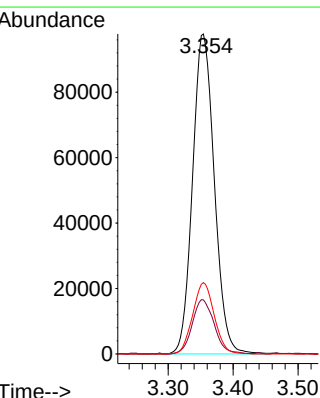
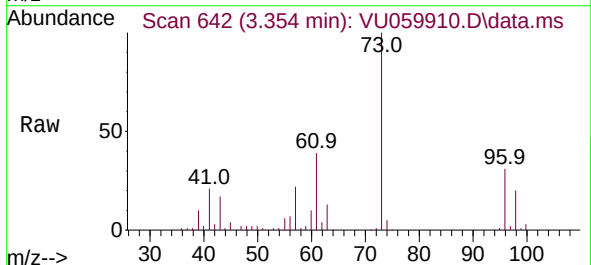
Tgt Ion: 73 Resp: 228022

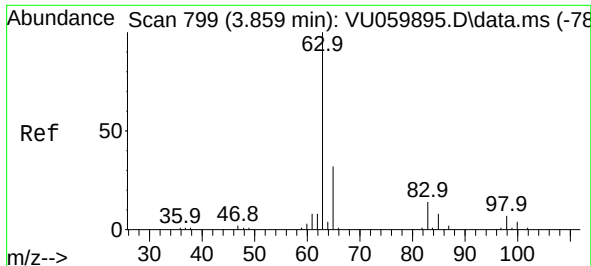
Ion Ratio Lower Upper

73 100

43 17.1 14.1 21.1

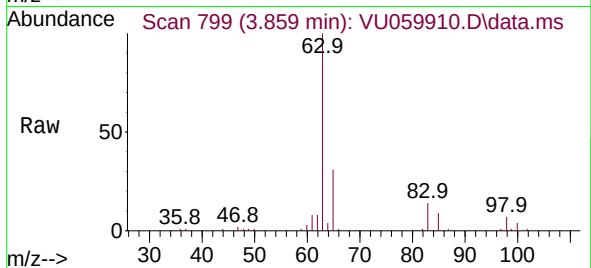
57 22.1 17.1 25.7



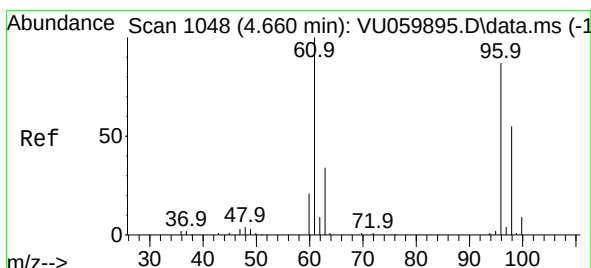
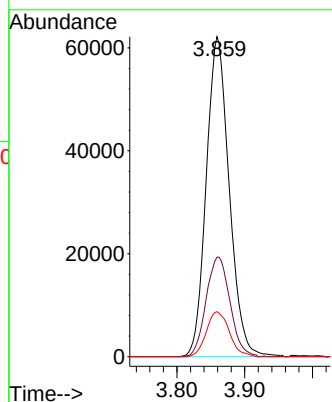
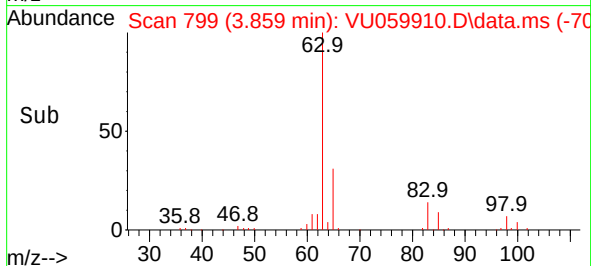


#19
1,1-Dichloroethane
Concen: 52.606 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU059910.D
Acq: 11 Jul 2024 16:07

Instrument :
MSVOA_U
ClientSampleId :

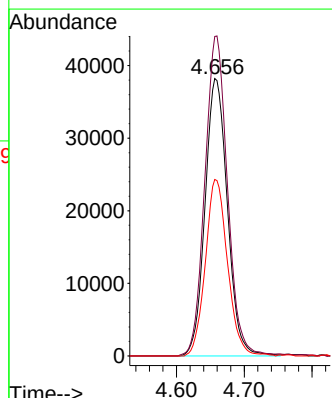
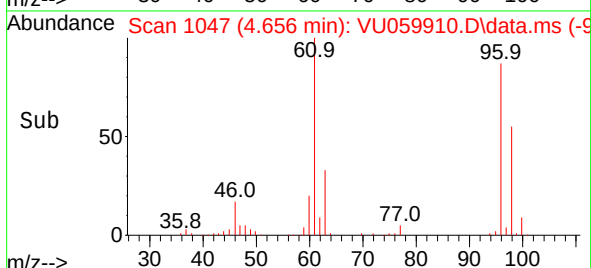
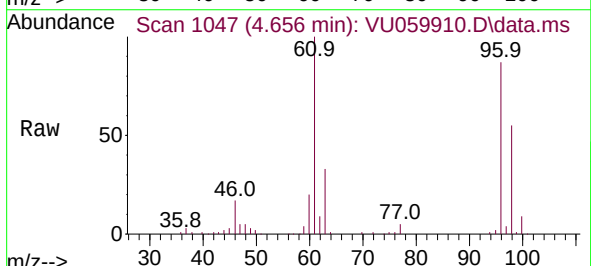


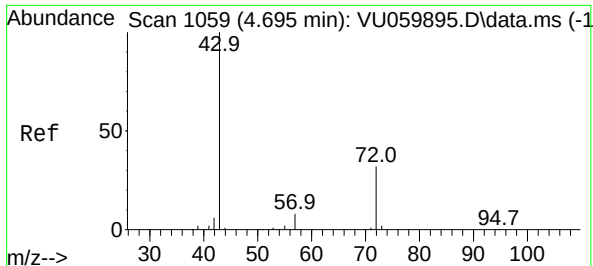
Tgt Ion: 63 Resp: 146318
Ion Ratio Lower Upper
63 100
65 31.1 23.3 43.3
83 14.1 9.8 18.2



#20
cis-1,2-Dichloroethene
Concen: 49.381 ug/L
RT: 4.656 min Scan# 1047
Delta R.T. -0.003 min
Lab File: VU059910.D
Acq: 11 Jul 2024 16:07

Tgt Ion: 96 Resp: 87691
Ion Ratio Lower Upper
96 100
61 115.2 83.2 154.4
98 63.6 45.9 85.3

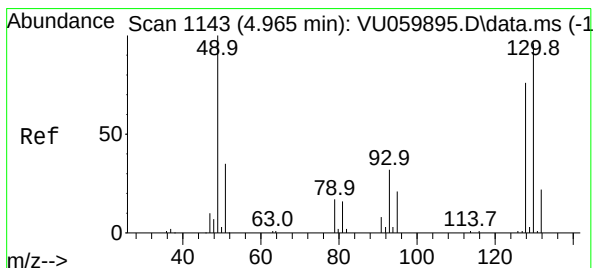
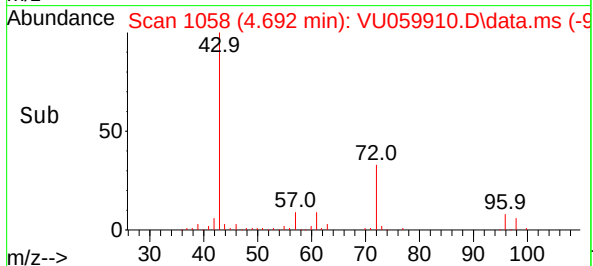
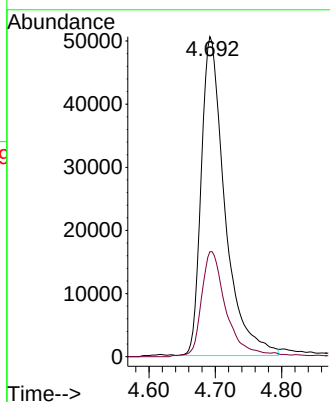
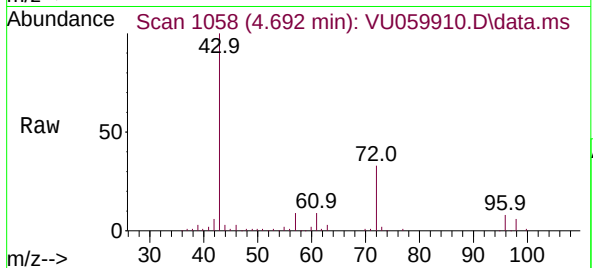




#22
2-Butanone
Concen: 92.373 ug/L
RT: 4.692 min Scan# 1058
Delta R.T. -0.003 min
Lab File: VU059910.D
Acq: 11 Jul 2024 16:07

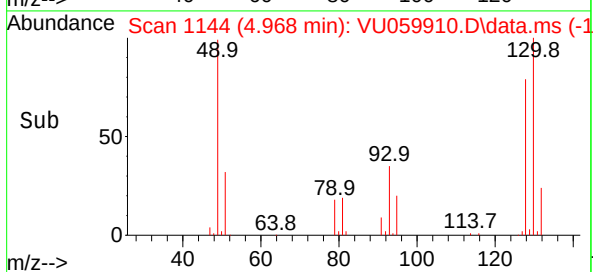
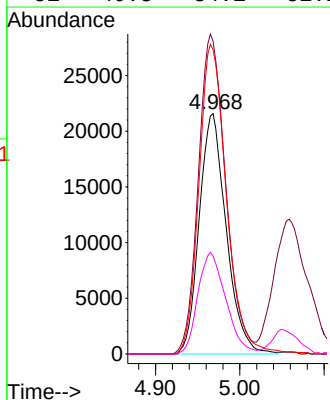
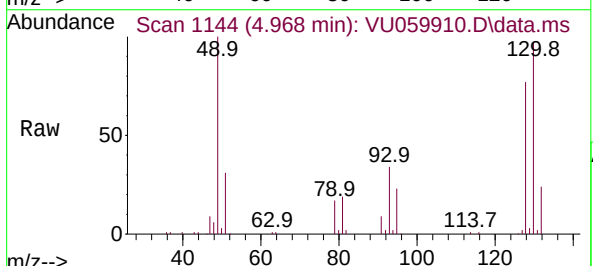
Instrument :
MSVOA_U
ClientSampleId :

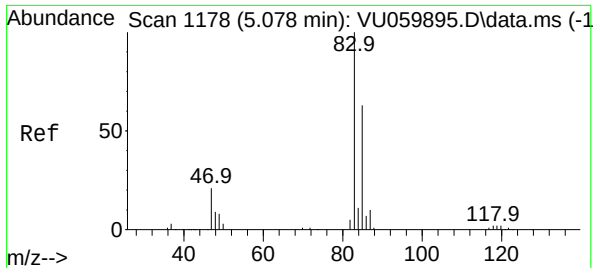
Tgt Ion: 43 Resp: 125455
Ion Ratio Lower Upper
43 100
72 34.0 16.4 49.2



#23
Bromochloromethane
Concen: 51.263 ug/L
RT: 4.968 min Scan# 1144
Delta R.T. 0.003 min
Lab File: VU059910.D
Acq: 11 Jul 2024 16:07

Tgt Ion:128 Resp: 48016
Ion Ratio Lower Upper
128 100
49 130.1 96.7 179.7
130 126.6 86.3 160.3
51 40.8 34.1 51.1





#25

Chloroform

Concen: 52.264 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

Instrument :

MSVOA_U

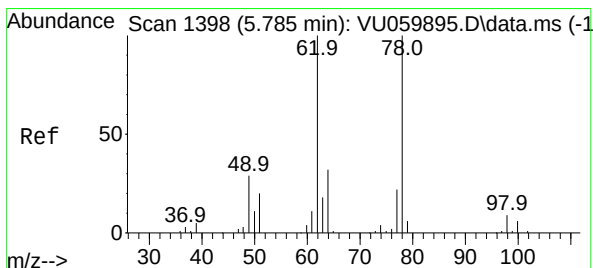
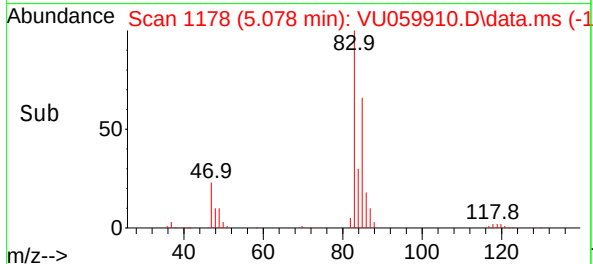
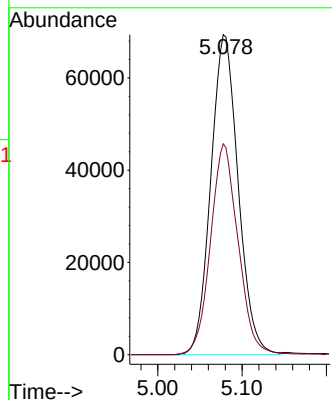
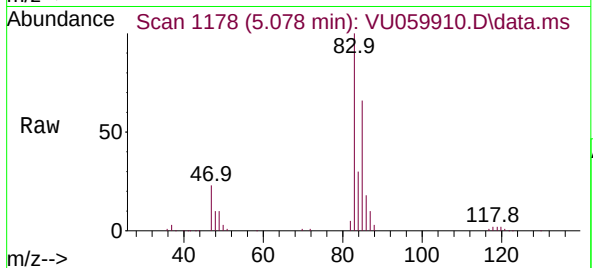
ClientSampleId :

Tgt Ion: 83 Resp: 156429

Ion Ratio Lower Upper

83 100

85 65.9 46.7 86.7



#27

1,2-Dichloroethane

Concen: 51.145 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. -0.000 min

Lab File: VU059910.D

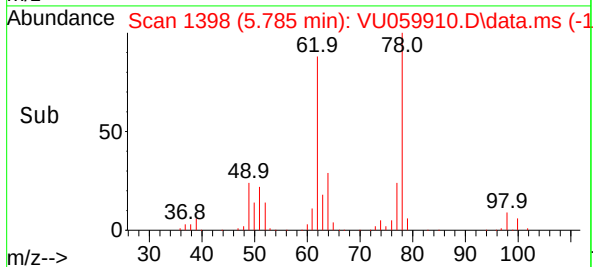
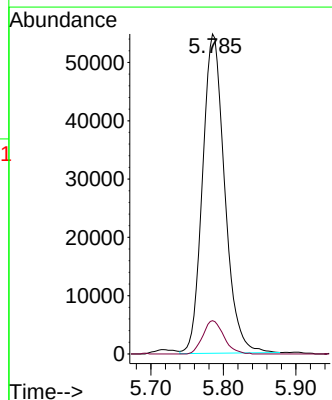
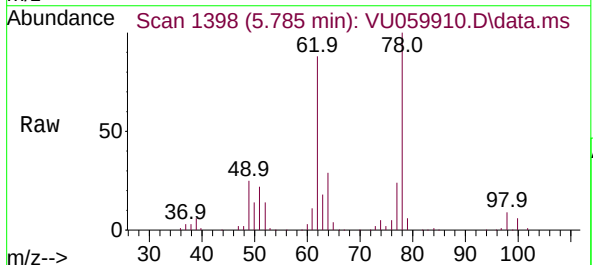
Acq: 11 Jul 2024 16:07

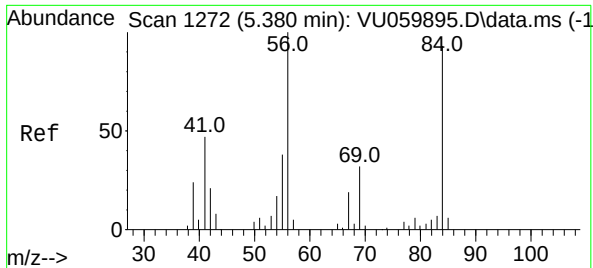
Tgt Ion: 62 Resp: 116211

Ion Ratio Lower Upper

62 100

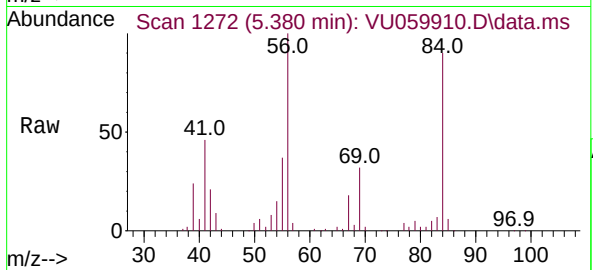
98 10.4 7.8 11.8



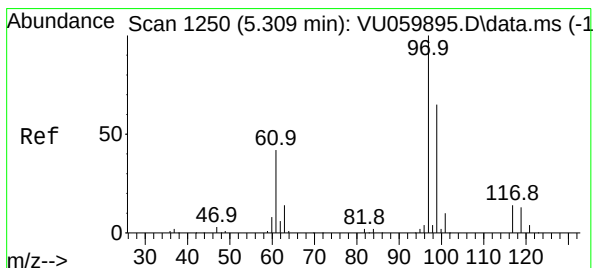
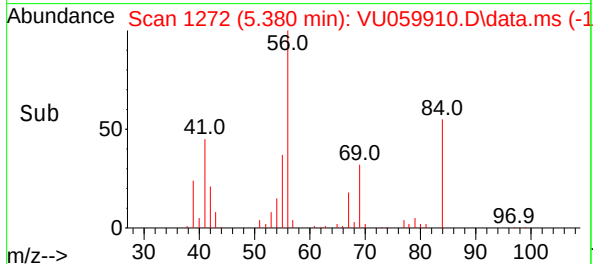
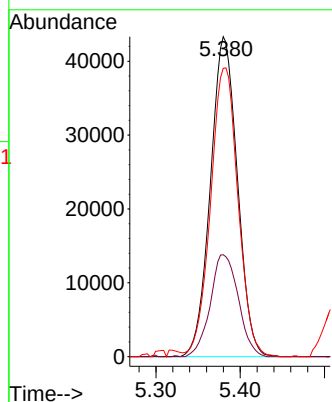


#29
Cyclohexane
Concen: 43.671 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VU059910.D
Acq: 11 Jul 2024 16:07

Instrument :
MSVOA_U
ClientSampleId :

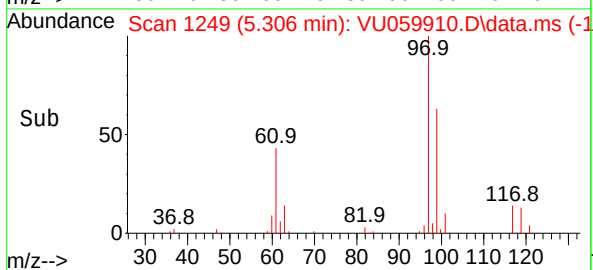
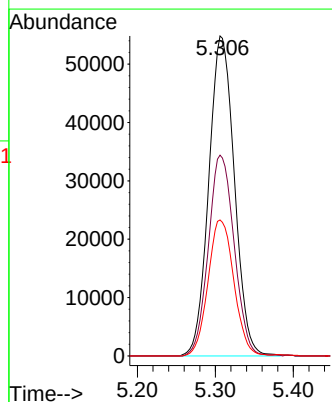
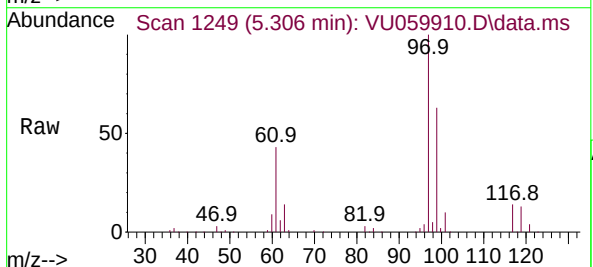


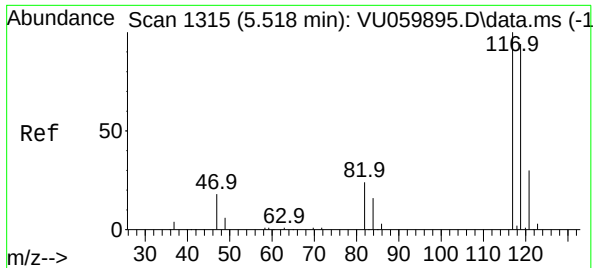
Tgt Ion:	56	Resp:	96192
Ion Ratio	Lower	Upper	
56	100		
69	33.1	26.0	39.0
84	92.0	75.5	113.3



#30
1,1,1-Trichloroethane
Concen: 49.123 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.003 min
Lab File: VU059910.D
Acq: 11 Jul 2024 16:07

Tgt Ion:	97	Resp:	125187
Ion Ratio	Lower	Upper	
97	100		
99	63.4	52.2	78.2
61	42.9	35.2	52.8

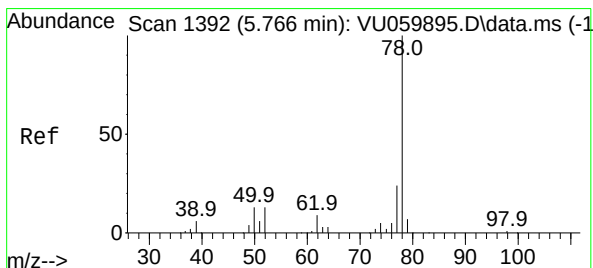
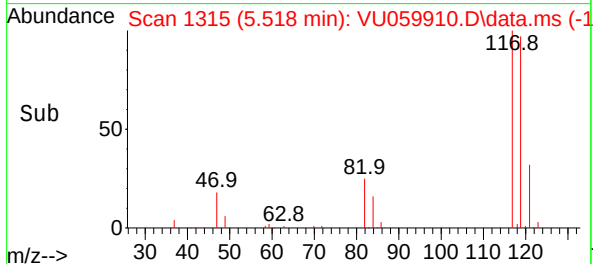
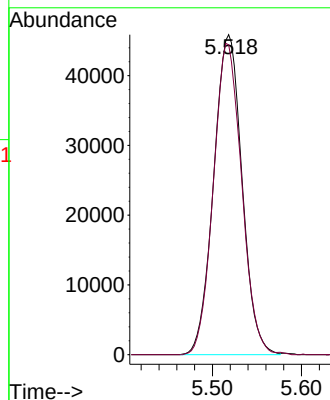
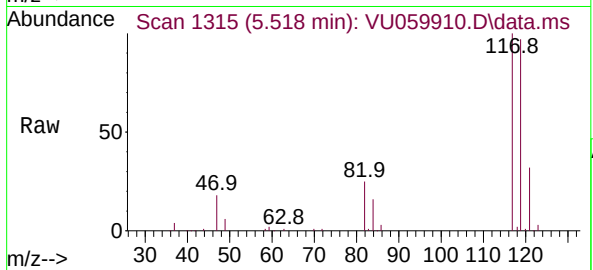




#31
Carbon tetrachloride
Concen: 48.230 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU059910.D
Acq: 11 Jul 2024 16:07

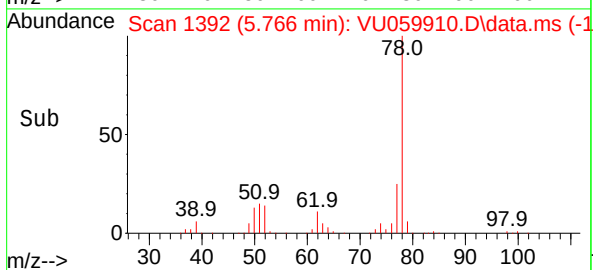
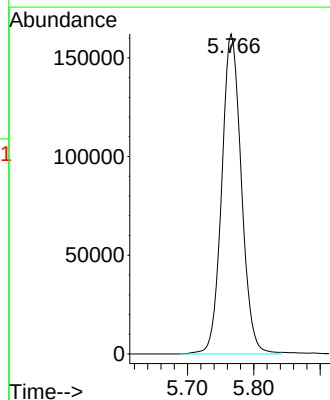
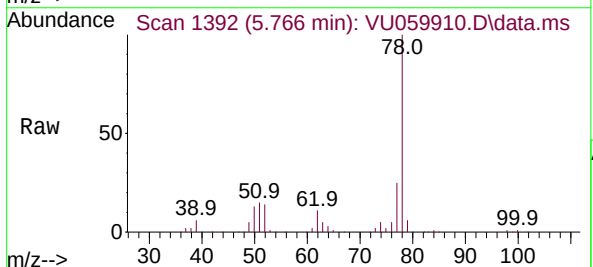
Instrument :
MSVOA_U
ClientSampleId :

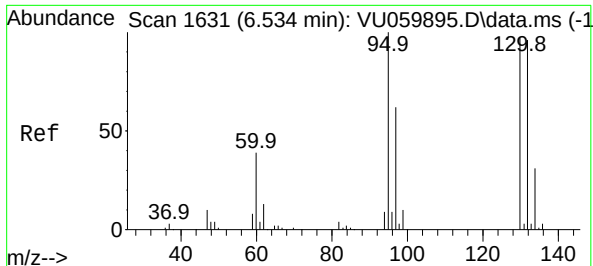
Tgt Ion:117 Resp: 101528
Ion Ratio Lower Upper
117 100
119 96.7 77.6 116.4



#33
Benzene
Concen: 50.239 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU059910.D
Acq: 11 Jul 2024 16:07

Tgt Ion: 78 Resp: 333727





#34

Trichloroethene

Concen: 48.160 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 85372

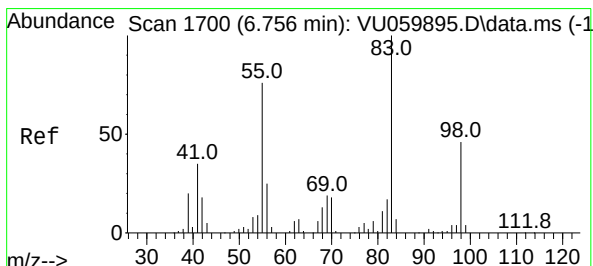
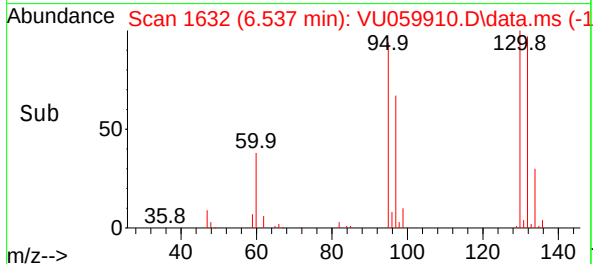
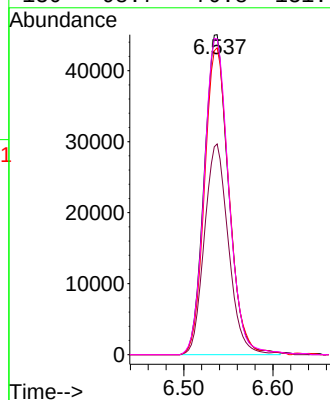
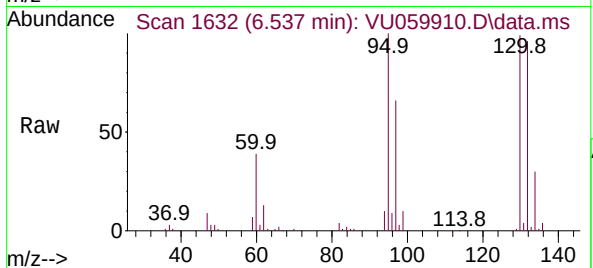
Ion Ratio Lower Upper

95 100

97 65.9 45.8 85.2

132 95.9 69.8 129.6

130 98.7 70.8 131.6



#35

Methylcyclohexane

Concen: 43.556 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

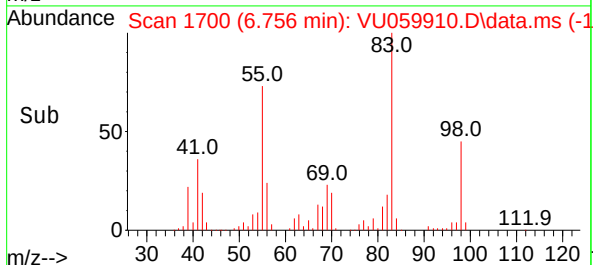
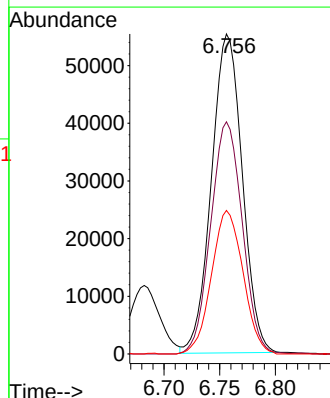
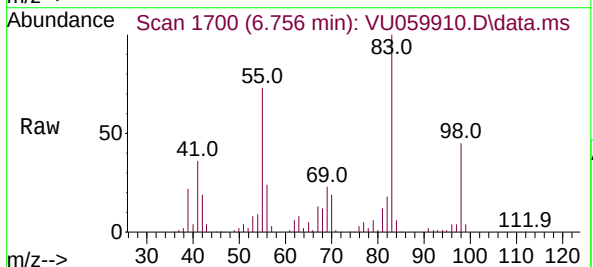
Tgt Ion: 83 Resp: 106633

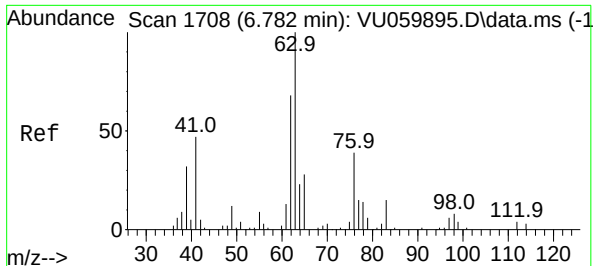
Ion Ratio Lower Upper

83 100

55 74.4 56.8 85.2

98 46.0 36.5 54.7

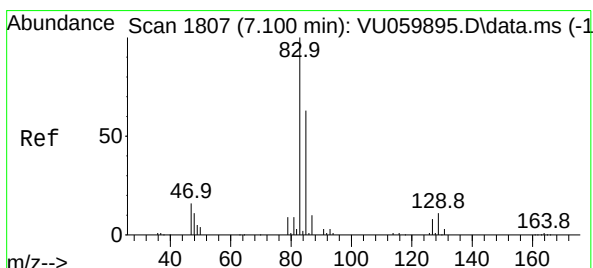
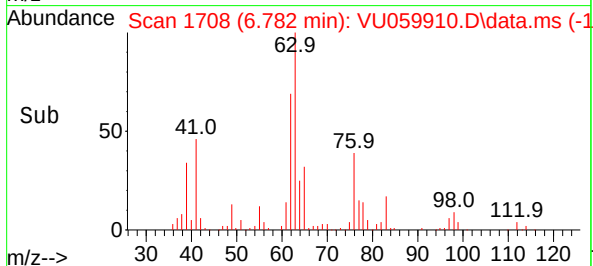
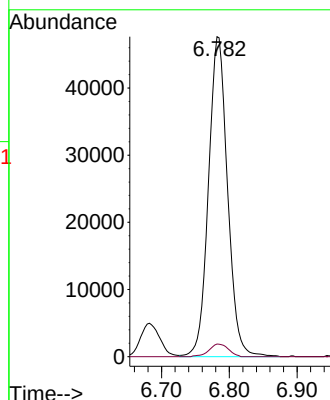
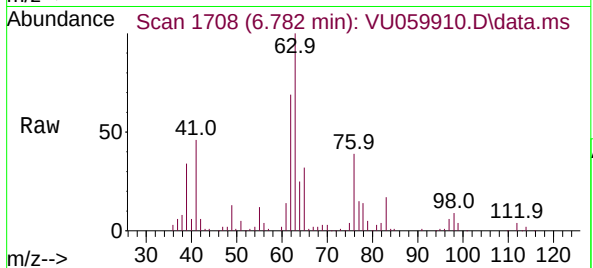




#37
1,2-Dichloropropane
Concen: 50.930 ug/L
RT: 6.782 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU059910.D
Acq: 11 Jul 2024 16:07

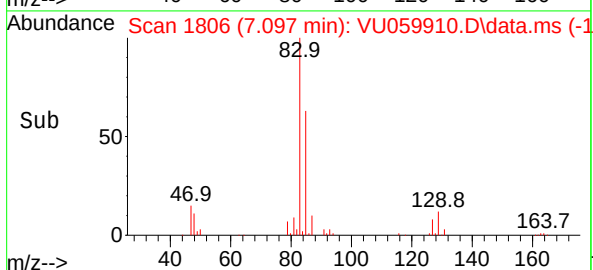
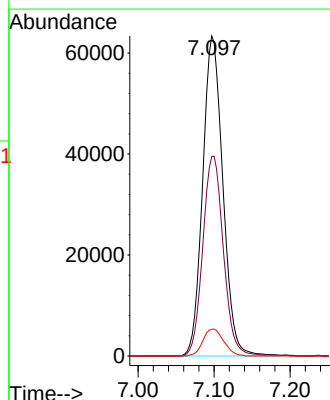
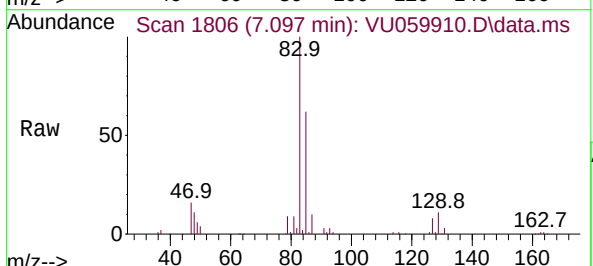
Instrument :
MSVOA_U
ClientSampleId :

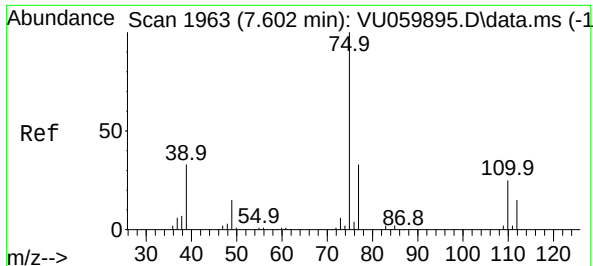
Tgt Ion: 63 Resp: 93122
Ion Ratio Lower Upper
63 100
112 4.0 3.0 4.6



#38
Bromodichloromethane
Concen: 50.528 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. -0.003 min
Lab File: VU059910.D
Acq: 11 Jul 2024 16:07

Tgt Ion: 83 Resp: 117061
Ion Ratio Lower Upper
83 100
85 62.4 45.0 83.6
127 8.3 7.4 11.2

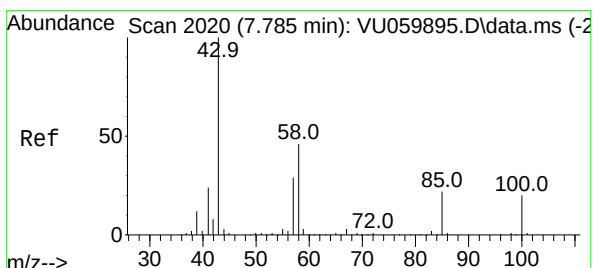
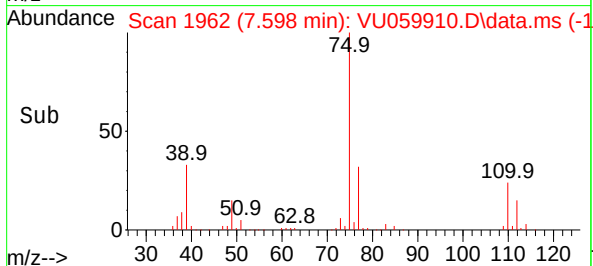
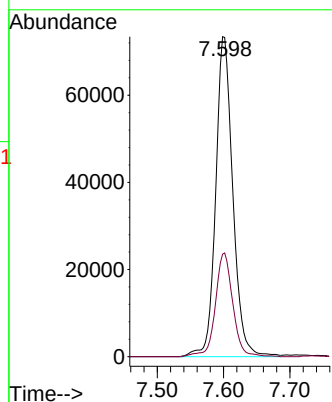
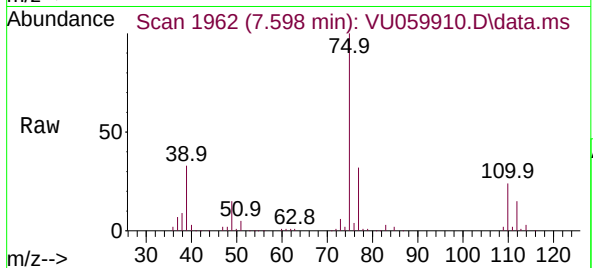




#39
 cis-1,3-Dichloropropene
 Concen: 47.167 ug/L
 RT: 7.598 min Scan# 1962
 Delta R.T. -0.003 min
 Lab File: VU059910.D
 Acq: 11 Jul 2024 16:07

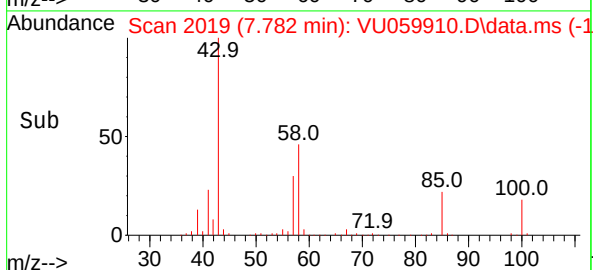
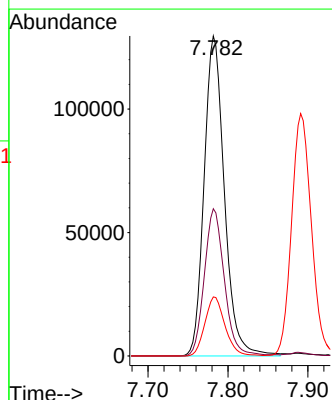
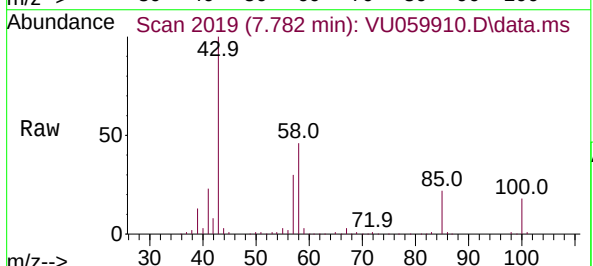
Instrument :
 MSVOA_U
 ClientSampleId :

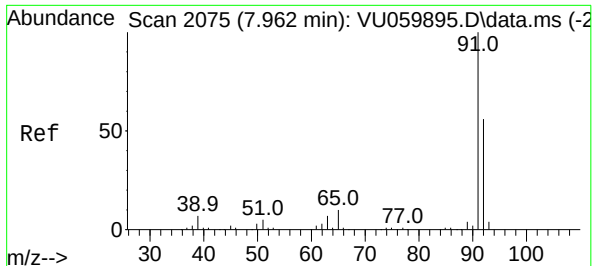
Tgt Ion: 75 Resp: 131950
 Ion Ratio Lower Upper
 75 100
 77 32.1 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 99.161 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.003 min
 Lab File: VU059910.D
 Acq: 11 Jul 2024 16:07

Tgt Ion: 43 Resp: 229158
 Ion Ratio Lower Upper
 43 100
 58 45.3 35.3 52.9
 100 18.3 14.6 22.0





#42

Toluene

Concen: 50.358 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

Instrument :

MSVOA_U

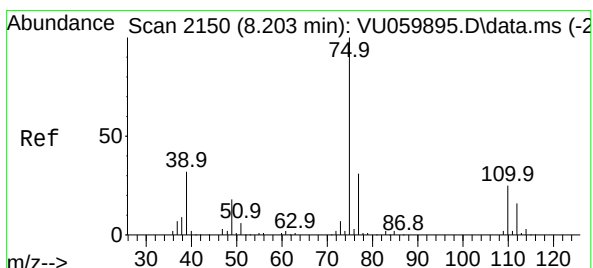
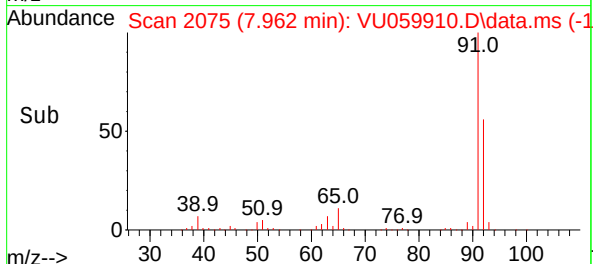
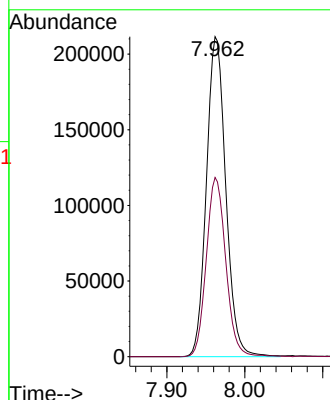
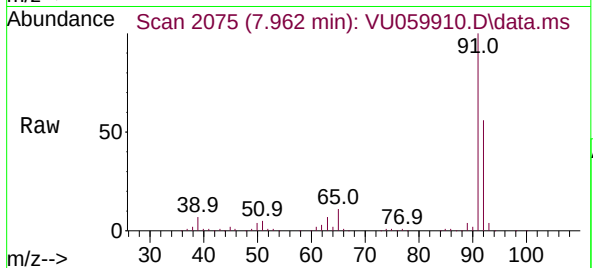
ClientSampleId :

Tgt Ion: 91 Resp: 365192

Ion Ratio Lower Upper

91 100

92 56.0 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 48.224 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU059910.D

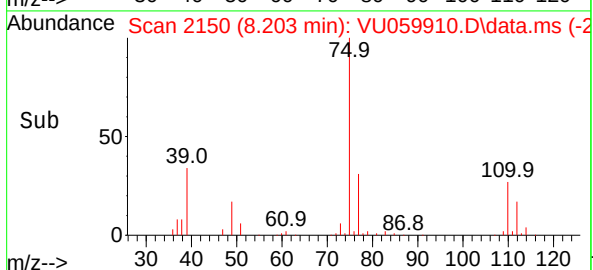
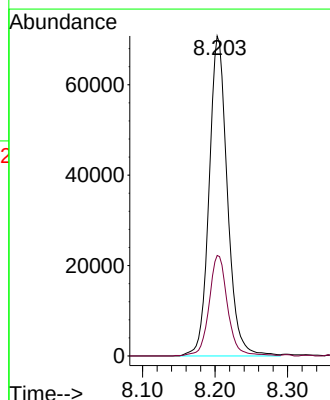
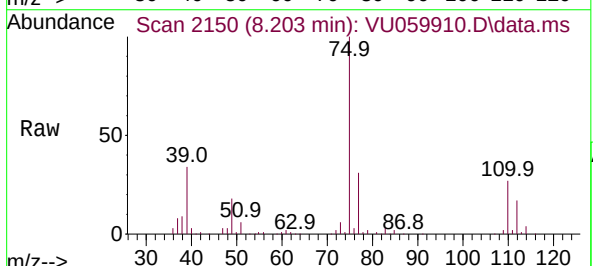
Acq: 11 Jul 2024 16:07

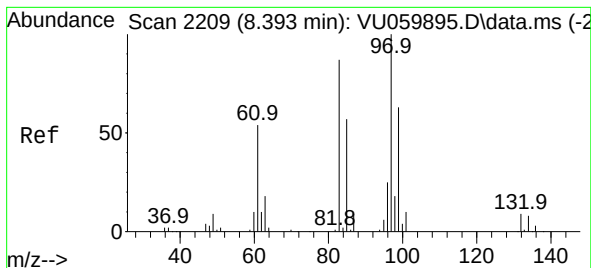
Tgt Ion: 75 Resp: 123919

Ion Ratio Lower Upper

75 100

77 31.4 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 50.110 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. -0.000 min

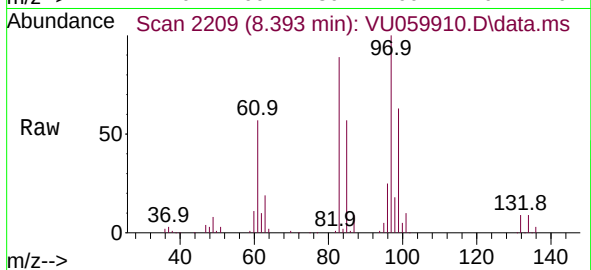
Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 97 Resp: 95955

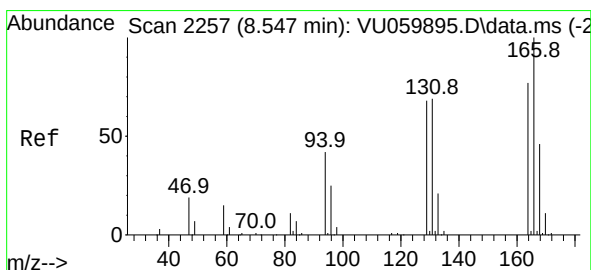
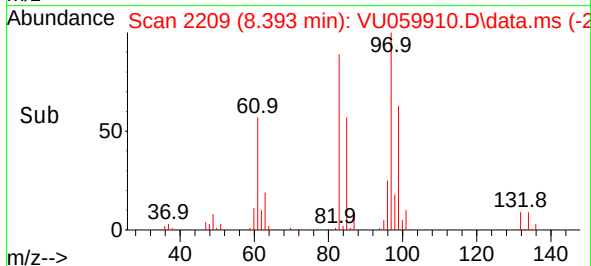
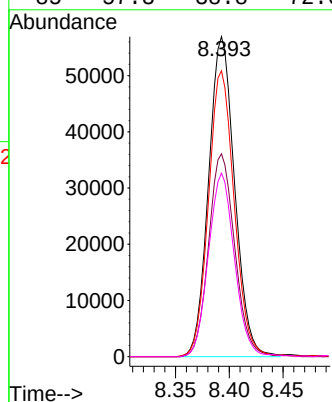
Ion Ratio Lower Upper

97 100

99 63.4 43.1 80.1

83 89.3 60.4 112.2

85 57.3 38.8 72.0



#46

Tetrachloroethene

Concen: 46.262 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

Tgt Ion:164 Resp: 67464

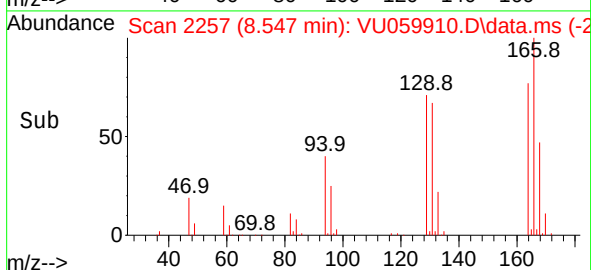
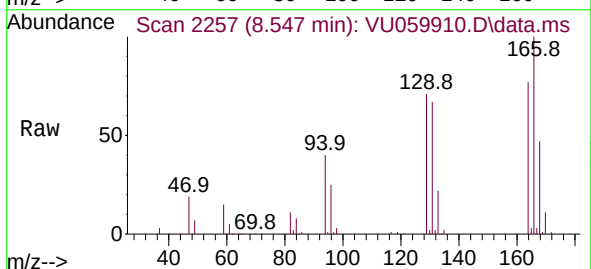
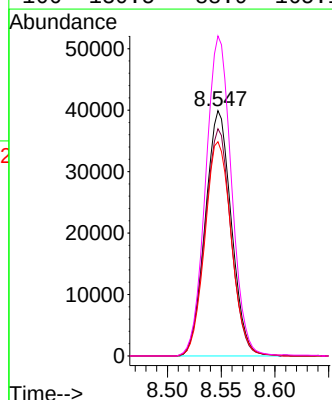
Ion Ratio Lower Upper

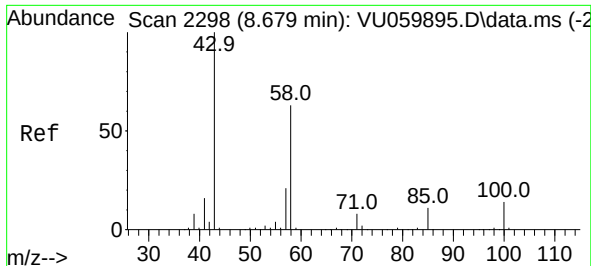
164 100

129 92.6 62.7 116.5

131 87.4 62.3 115.7

166 130.5 88.9 165.1

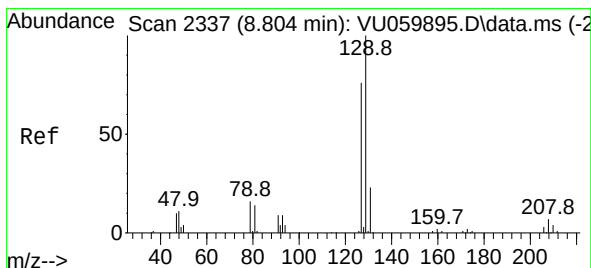
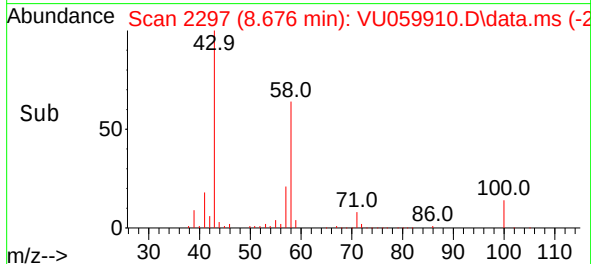
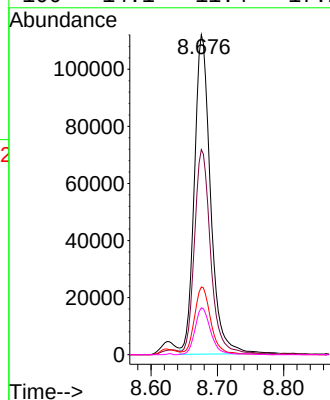
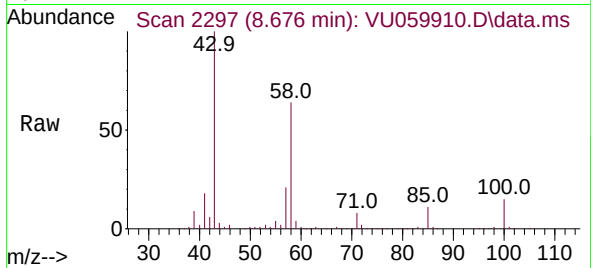




#48
2-Hexanone
Concen: 98.334 ug/L
RT: 8.676 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU059910.D
Acq: 11 Jul 2024 16:07

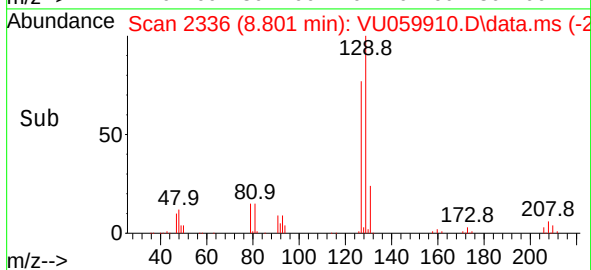
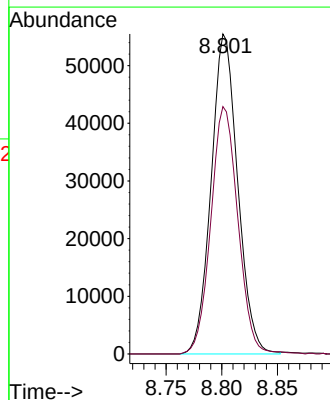
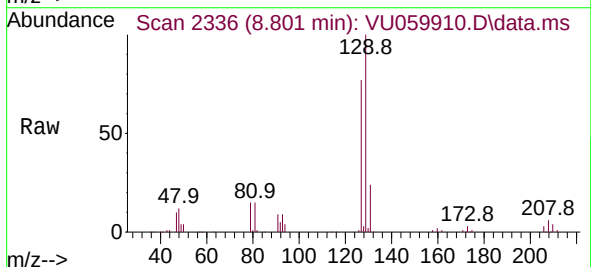
Instrument :
MSVOA_U
ClientSampleId :

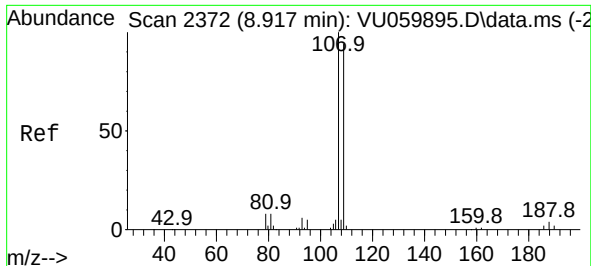
Tgt Ion:	43	Resp:	190188
Ion	Ratio	Lower	Upper
43	100		
58	62.4	49.0	73.6
57	19.9	16.7	25.1
100	14.1	11.4	17.2



#49
Dibromochloromethane
Concen: 48.809 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.003 min
Lab File: VU059910.D
Acq: 11 Jul 2024 16:07

Tgt Ion:	129	Resp:	92089
Ion	Ratio	Lower	Upper
129	100		
127	77.3	54.0	100.2





#50

1,2-Dibromoethane

Concen: 49.527 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. -0.000 min

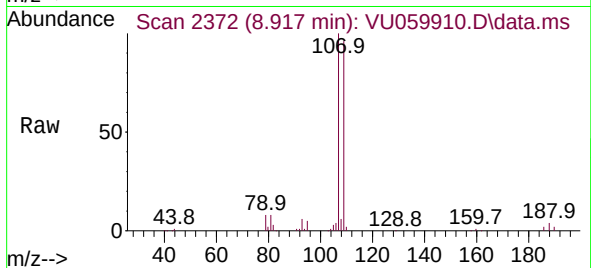
Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

Instrument :

MSVOA_U

ClientSampleId :



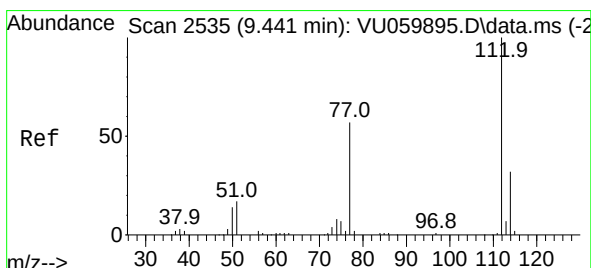
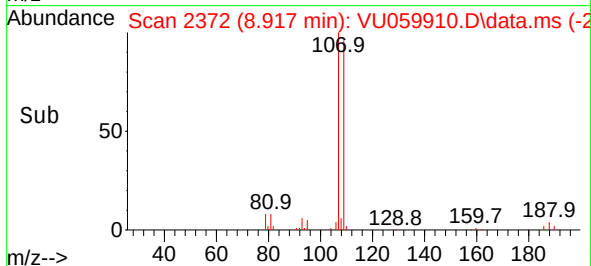
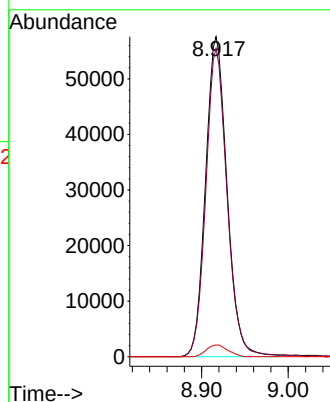
Tgt Ion:107 Resp: 99160

Ion Ratio Lower Upper

107 100

109 96.3 65.5 121.6

188 3.7 3.0 4.4



#51

Chlorobenzene

Concen: 48.214 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

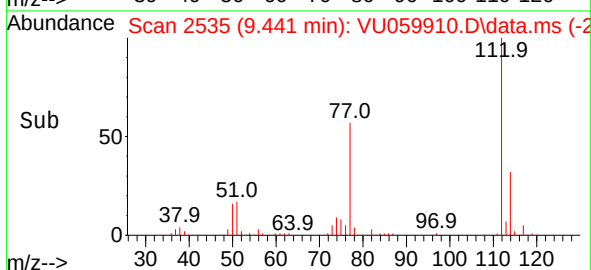
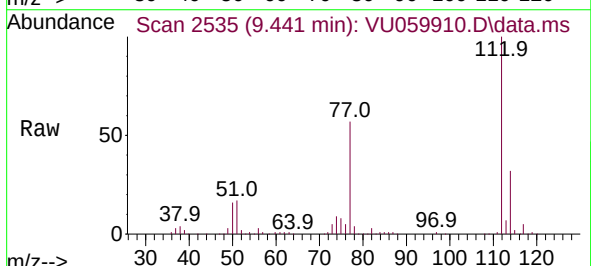
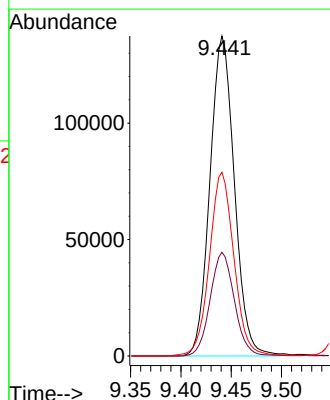
Tgt Ion:112 Resp: 232122

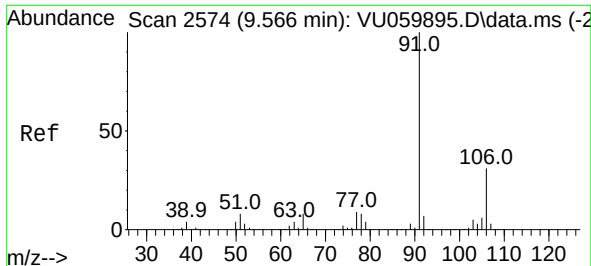
Ion Ratio Lower Upper

112 100

114 32.4 22.7 42.3

77 57.4 45.8 68.6





#52

Ethylbenzene

Concen: 47.175 ug/L

RT: 9.563 min Scan# 2573

Delta R.T. -0.003 min

Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

Instrument :

MSVOA_U

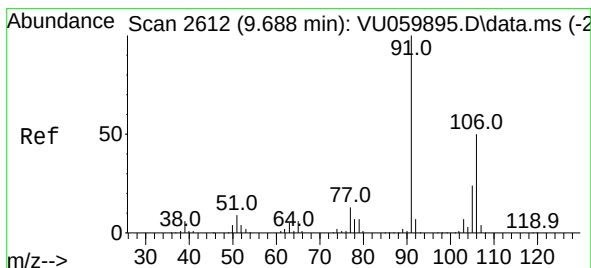
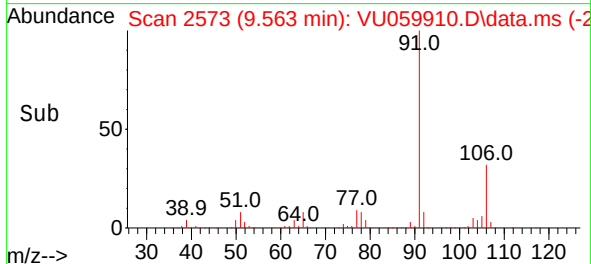
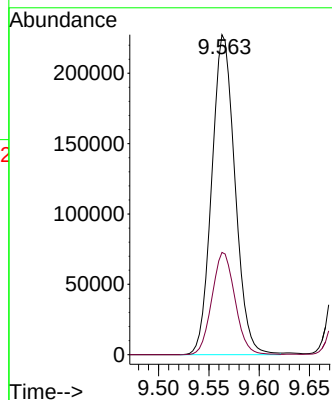
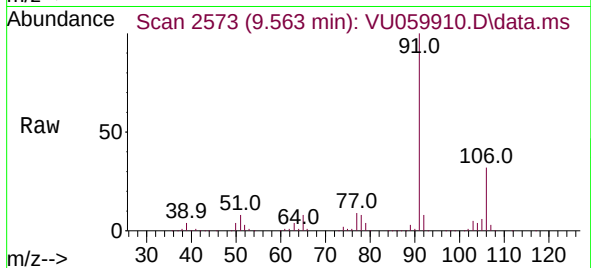
ClientSampleId :

Tgt Ion: 91 Resp: 365338

Ion Ratio Lower Upper

91 100

106 31.9 22.4 41.6



#53

m,p-Xylene

Concen: 47.688 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. -0.000 min

Lab File: VU059910.D

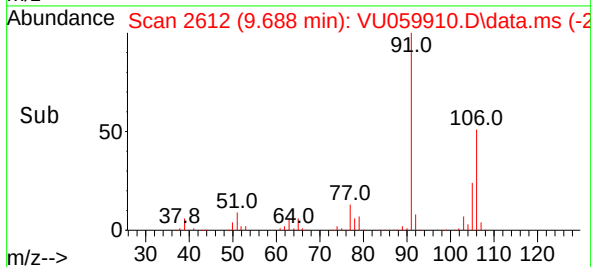
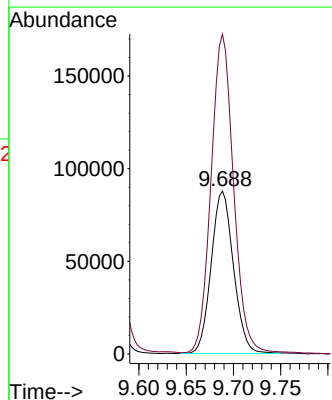
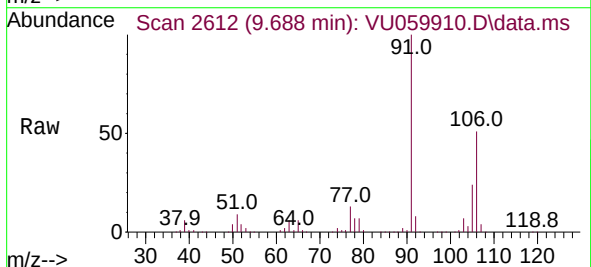
Acq: 11 Jul 2024 16:07

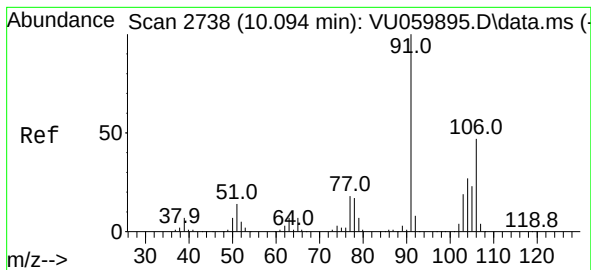
Tgt Ion:106 Resp: 143795

Ion Ratio Lower Upper

106 100

91 196.2 140.9 261.7





#54

o-Xylene

Concen: 48.106 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. -0.000 min

Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

Instrument :

MSVOA_U

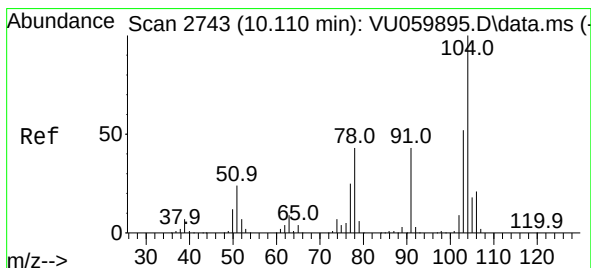
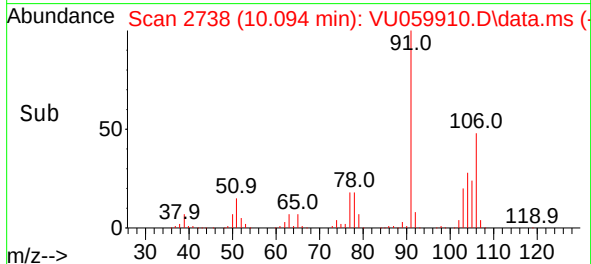
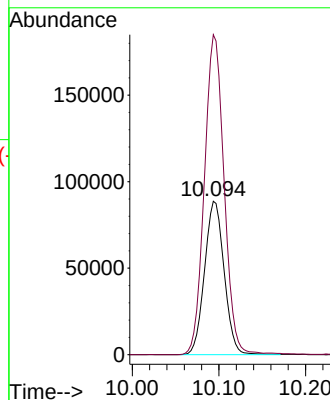
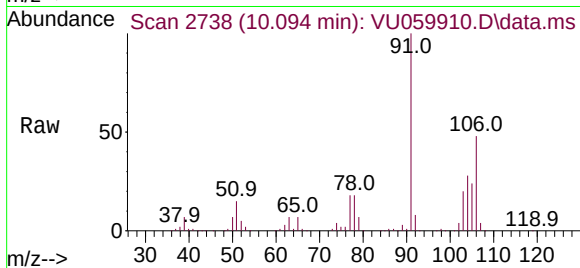
ClientSampleId :

Tgt Ion:106 Resp: 139487

Ion Ratio Lower Upper

106 100

91 208.5 147.4 273.8



#55

Styrene

Concen: 51.135 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU059910.D

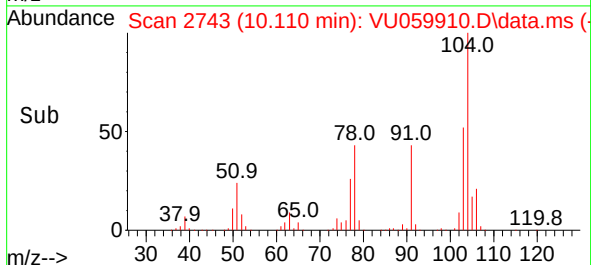
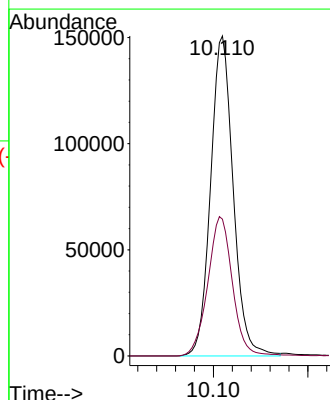
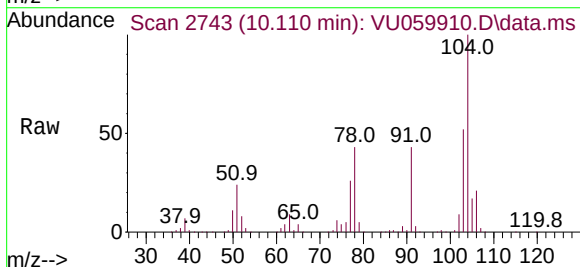
Acq: 11 Jul 2024 16:07

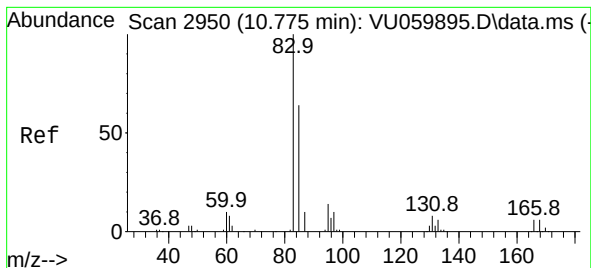
Tgt Ion:104 Resp: 250145

Ion Ratio Lower Upper

104 100

78 42.8 30.9 57.5

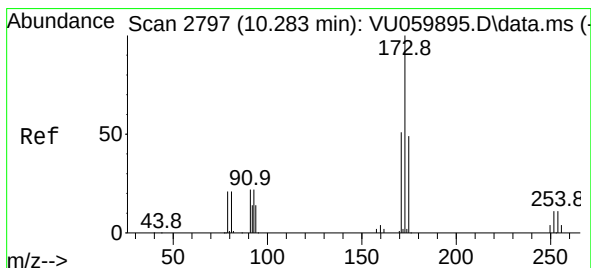
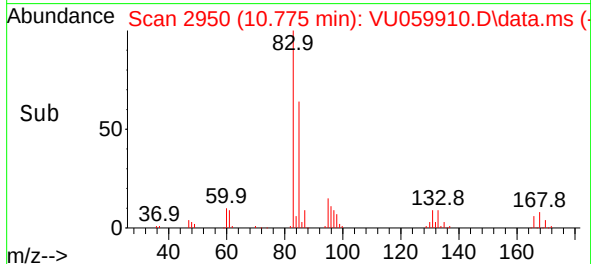
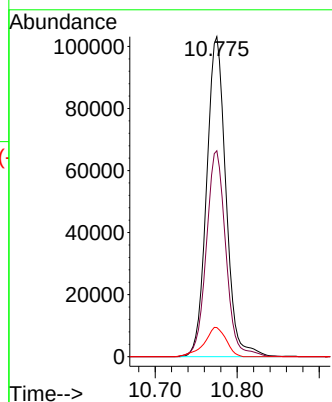
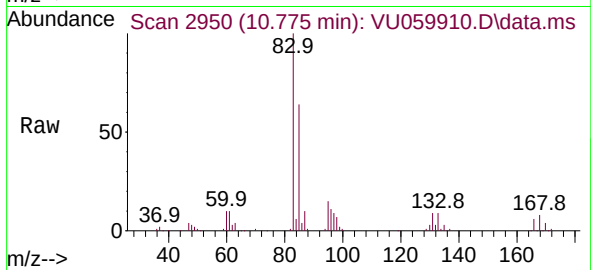




#57
1,1,2,2-Tetrachloroethane
Concen: 52.243 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU059910.D
Acq: 11 Jul 2024 16:07

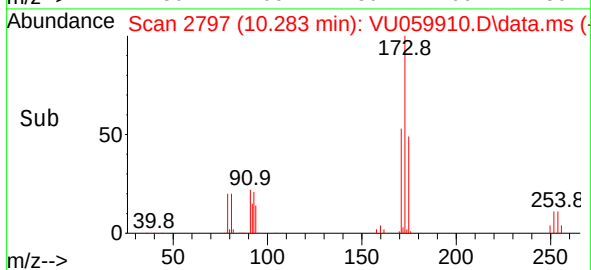
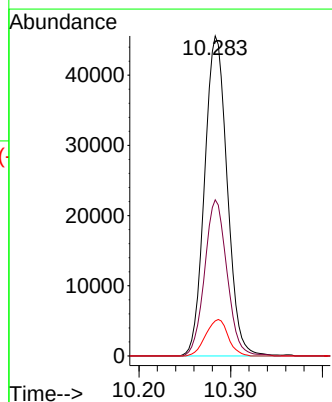
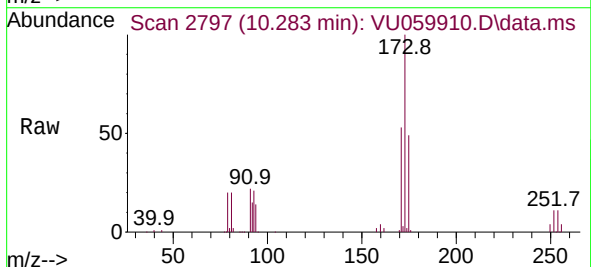
Instrument :
MSVOA_U
ClientSampleId :

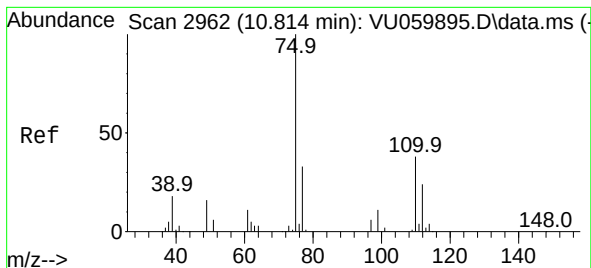
Tgt Ion: 83 Resp: 168706
Ion Ratio Lower Upper
83 100
85 64.3 45.4 84.2
131 9.1 7.5 11.3



#59
Bromoform
Concen: 48.461 ug/L
RT: 10.283 min Scan# 2797
Delta R.T. -0.000 min
Lab File: VU059910.D
Acq: 11 Jul 2024 16:07

Tgt Ion:173 Resp: 77936
Ion Ratio Lower Upper
173 100
175 48.4 39.4 59.2
254 11.3 9.0 13.4





#60

1,2,3-Trichloropropane

Concen: 50.456 ug/L

RT: 10.814 min Scan# 2962

Delta R.T. -0.000 min

Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

Instrument :

MSVOA_U

ClientSampleId :

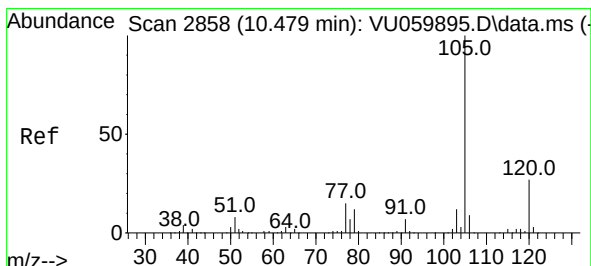
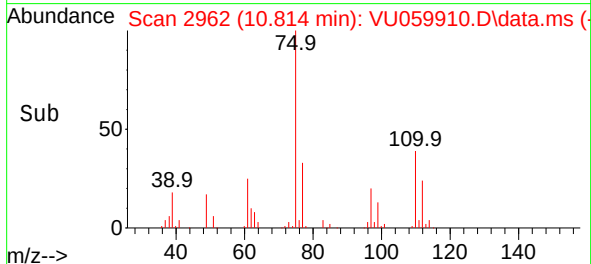
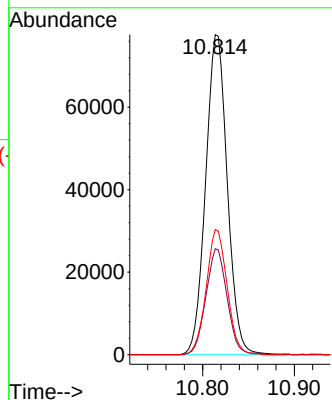
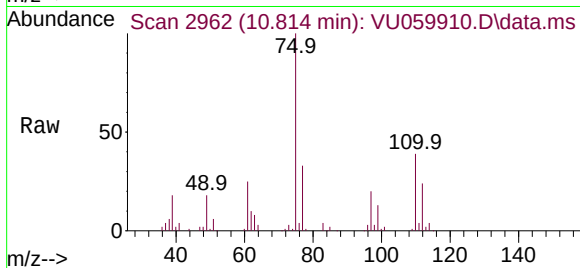
Tgt Ion: 75 Resp: 127366

Ion Ratio Lower Upper

75 100

77 32.3 25.5 38.3

110 37.8 30.7 46.1



#61

Isopropylbenzene

Concen: 46.836 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. -0.000 min

Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

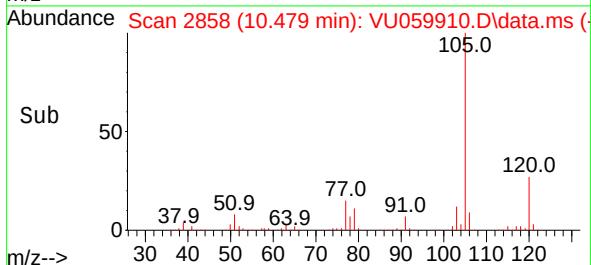
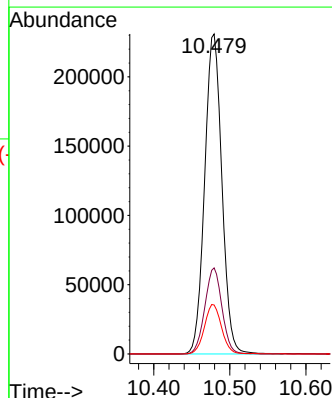
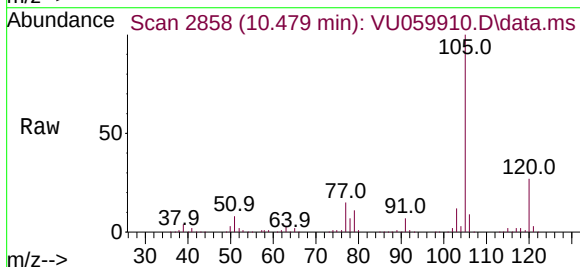
Tgt Ion:105 Resp: 363132

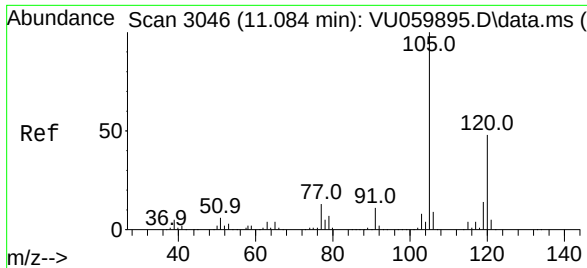
Ion Ratio Lower Upper

105 100

120 26.8 20.9 31.3

77 15.4 12.1 18.1

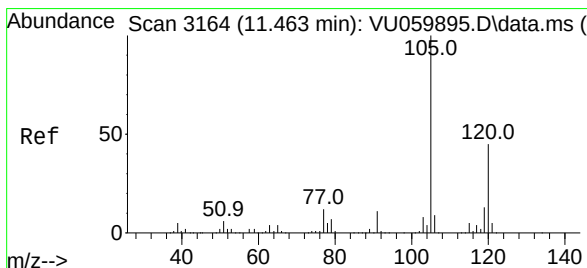
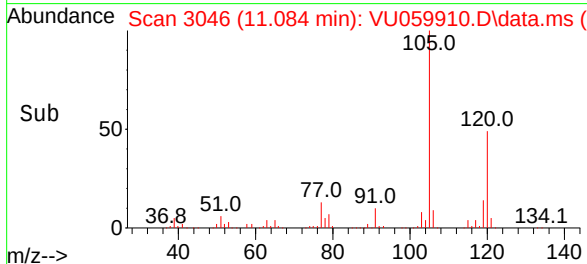
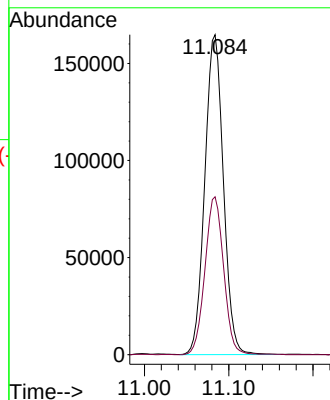
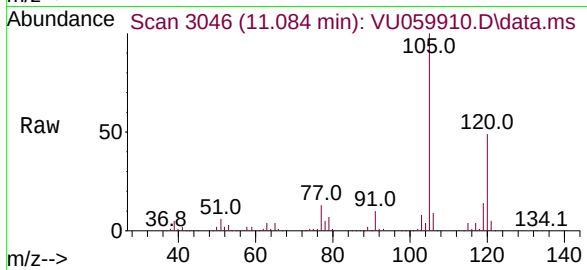




#62
1,3,5-Trimethylbenzene
Concen: 44.587 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VU059910.D
Acq: 11 Jul 2024 16:07

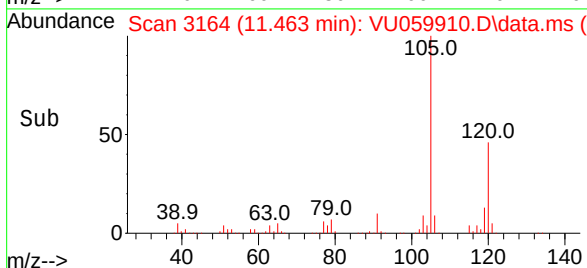
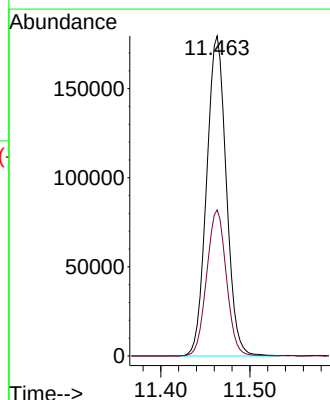
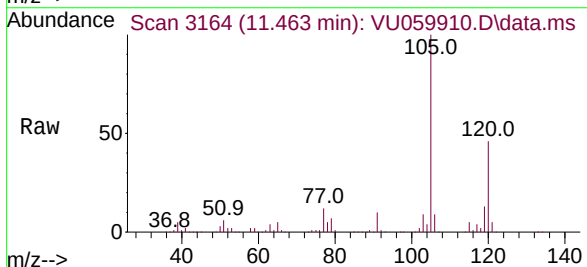
Instrument :
MSVOA_U
ClientSampleId :

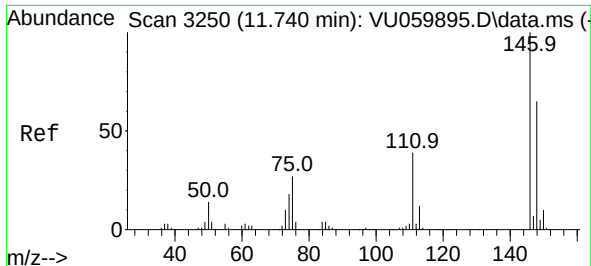
Tgt Ion:105 Resp: 253069
Ion Ratio Lower Upper
105 100
120 49.6 39.5 59.3



#63
1,2,4-Trimethylbenzene
Concen: 45.241 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. -0.000 min
Lab File: VU059910.D
Acq: 11 Jul 2024 16:07

Tgt Ion:105 Resp: 275046
Ion Ratio Lower Upper
105 100
120 45.6 37.0 55.6





#64

1,3-Dichlorobenzene

Concen: 47.490 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. -0.000 min

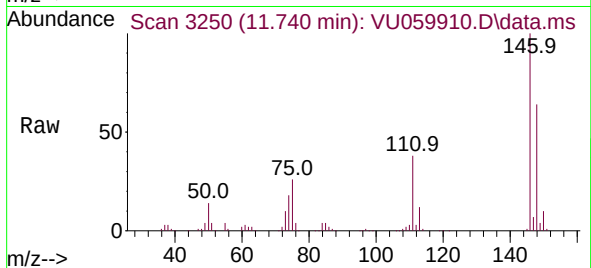
Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

Instrument :

MSVOA_U

ClientSampleId :



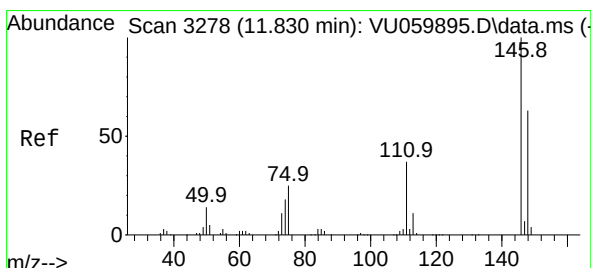
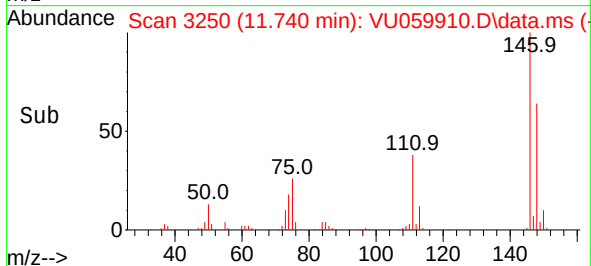
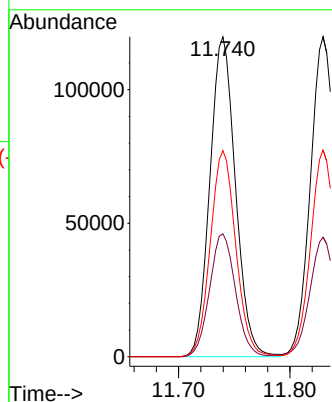
Tgt Ion:146 Resp: 190953

Ion Ratio Lower Upper

146 100

111 38.5 26.5 49.1

148 64.5 43.8 81.3



#65

1,4-Dichlorobenzene

Concen: 46.940 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

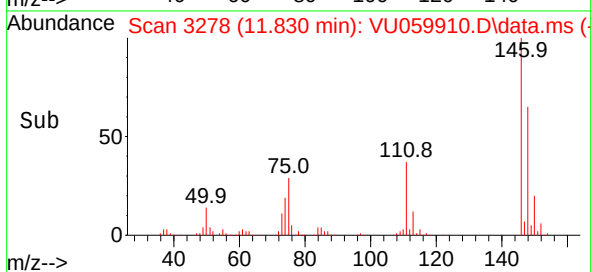
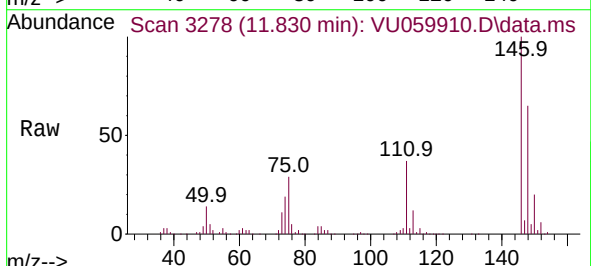
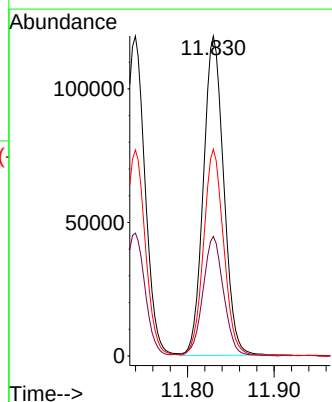
Tgt Ion:146 Resp: 195113

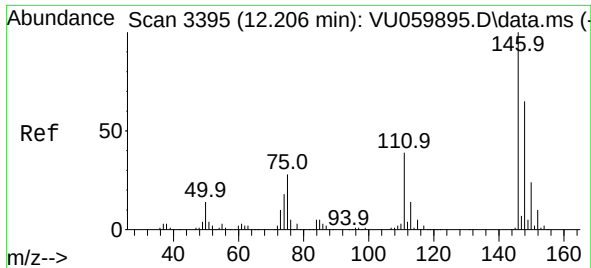
Ion Ratio Lower Upper

146 100

111 37.3 25.9 48.1

148 64.6 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 46.921 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

Instrument :

MSVOA_U

ClientSampleId :

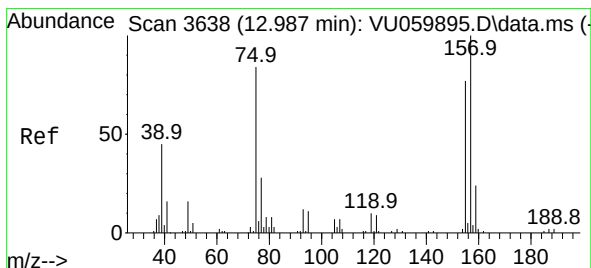
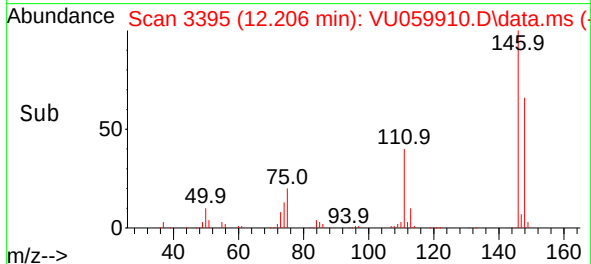
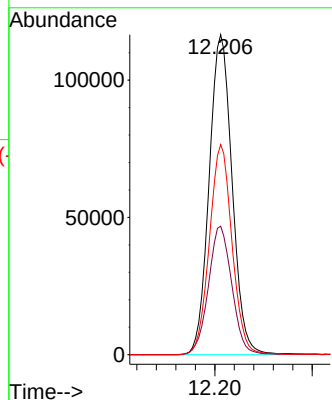
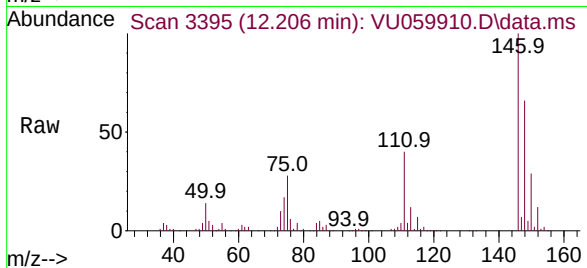
Tgt Ion:146 Resp: 190592

Ion Ratio Lower Upper

146 100

111 40.2 31.7 47.5

148 65.6 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 49.401 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.000 min

Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

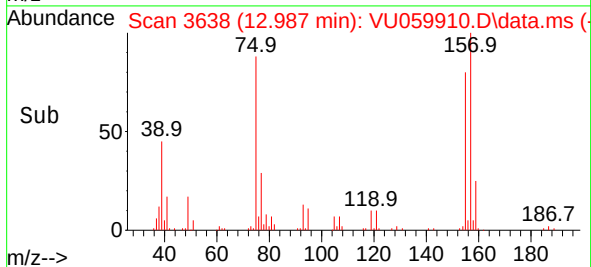
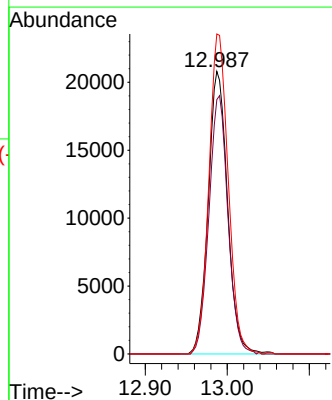
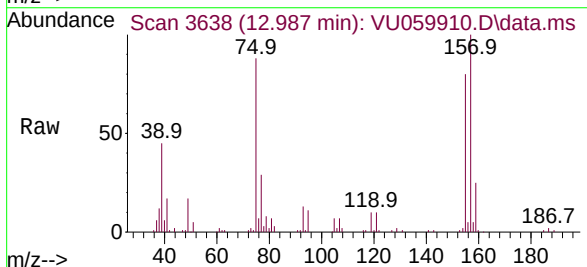
Tgt Ion: 75 Resp: 34103

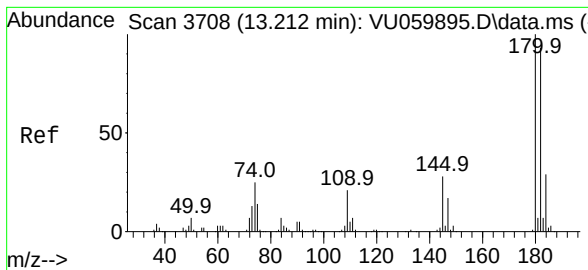
Ion Ratio Lower Upper

75 100

155 90.1 73.5 110.3

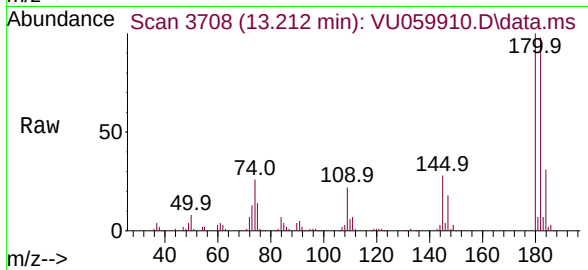
157 113.3 93.5 140.3





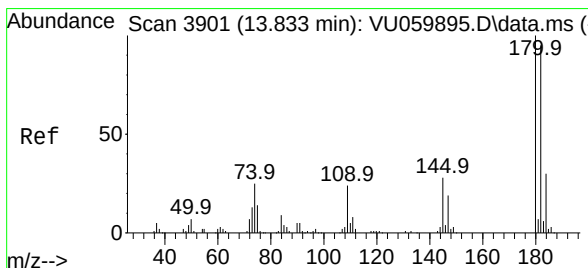
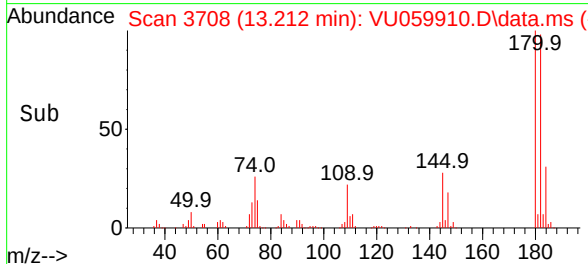
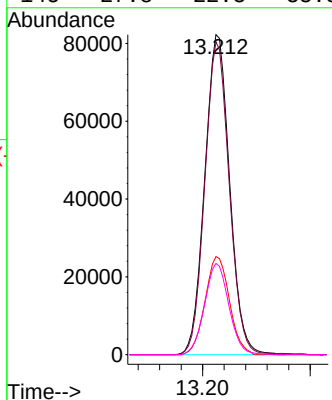
#69
 1,3,5-Trichlorobenzene
 Concen: 45.505 ug/L
 RT: 13.212 min Scan# 3708
 Delta R.T. -0.000 min
 Lab File: VU059910.D
 Acq: 11 Jul 2024 16:07

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:180 Resp: 131922

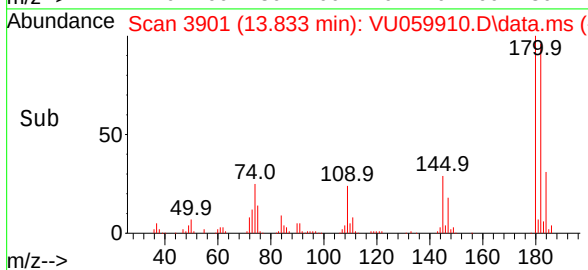
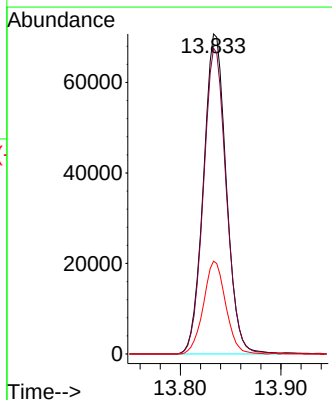
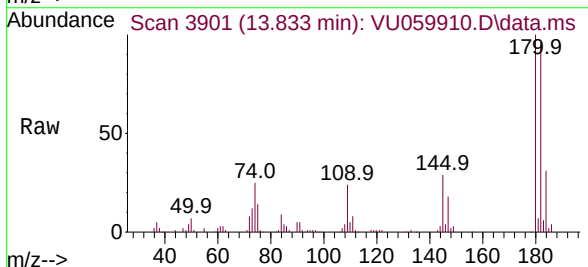
Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.8	113.8
184	30.1	24.7	37.1
145	27.8	22.3	33.5

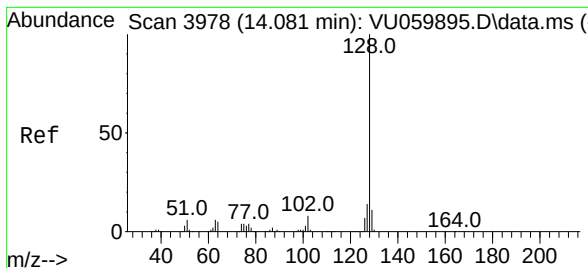


#70
 1,2,4-trichlorobenzene
 Concen: 42.605 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. -0.000 min
 Lab File: VU059910.D
 Acq: 11 Jul 2024 16:07

Tgt Ion:180 Resp: 111325

Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.4	114.6
145	28.2	23.0	34.4





#71

Naphthalene

Concen: 42.254 ug/L

RT: 14.080 min Scan# 31

Delta R.T. -0.000 min MSVOA_U

Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

Instrument :

MSVOA_U

ClientSampleId :

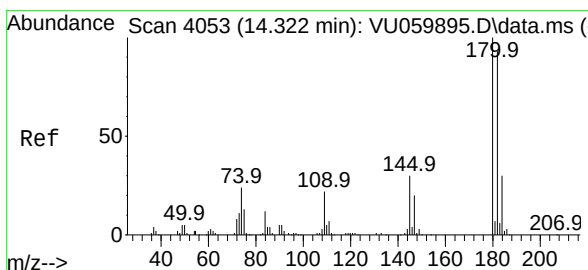
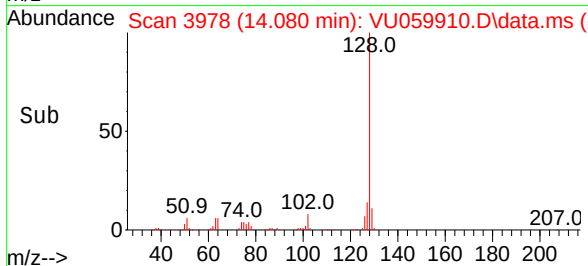
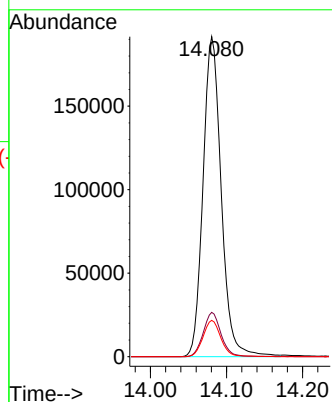
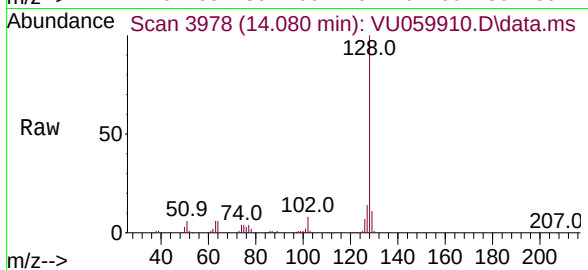
Tgt Ion:128 Resp: 319065

Ion Ratio Lower Upper

128 100

127 13.4 10.4 15.6

129 11.0 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 46.187 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU059910.D

Acq: 11 Jul 2024 16:07

Tgt Ion:180 Resp: 121083

Ion Ratio Lower Upper

180 100

182 96.6 75.8 113.8

145 30.6 24.5 36.7

