

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060724\
 Data File : VU059194.D
 Acq On : 07 Jun 2024 18:01
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jun 08 03:19:45 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 08 01:56:01 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	298858	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	295729	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	158242	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	91460	51.112	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.220%
7) Chloroethane-d5	1.907	69	79372	51.782	ug/L	0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.560%
11) 1,1-Dichloroethene-d2	2.563	63	177508	50.257	ug/L	0.01
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.520%
21) 2-Butanone-d5	4.611	46	139335	82.612	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	82.610%
24) Chloroform-d	5.055	84	171618	48.178	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.360%
26) 1,2-Dichloroethane-d4	5.692	65	102857	47.111	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.220%
32) Benzene-d6	5.721	84	344768	50.795	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.600%
36) 1,2-Dichloropropane-d6	6.682	67	107987	46.143	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.280%
41) Toluene-d8	7.891	98	314311	54.550	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.100%
43) trans-1,3-Dichloroprop...	8.174	79	48009	50.750	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.500%
47) 2-Hexanone-d5	8.624	63	99088	91.560	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	91.560%
56) 1,1,2,2-Tetrachloroeth...	10.749	84	164378	41.502	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	83.000%
66) 1,2-Dichlorobenzene-d4	12.187	152	117336	49.687	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.380	85	136949	45.226	ug/L	100
3) Chloromethane	1.518	50	144102	41.176	ug/L	98
5) Vinyl chloride	1.602	62	162477	47.248	ug/L	99
6) Bromomethane	1.849	94	104392	37.944	ug/L	99
8) Chloroethane	1.927	64	98589	45.974	ug/L	97
9) Trichlorofluoromethane	2.132	101	196752	49.167	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	115641	49.669	ug/L	93
12) 1,1-Dichloroethene	2.573	96	112490	53.269	ug/L	92
13) Acetone	2.615	43	130298	65.725	ug/L	100
14) Carbon disulfide	2.785	76	335702	47.202	ug/L	100
15) Methyl Acetate	2.936	43	146928	46.788	ug/L	98
16) Methylene chloride	3.036	84	135167	47.306	ug/L	92
17) trans-1,2-Dichloroethene	3.345	96	118150	51.837	ug/L	93
18) Methyl tert-butyl Ether	3.354	73	385533	52.073	ug/L	96
19) 1,1-Dichloroethane	3.859	63	233268	47.747	ug/L	98
20) cis-1,2-Dichloroethene	4.656	96	135627	52.219	ug/L	92
22) 2-Butanone	4.689	43	210793	87.826	ug/L	96
23) Bromochloromethane	4.965	128	71380	54.256	ug/L	87
25) Chloroform	5.078	83	239834	50.699	ug/L	100

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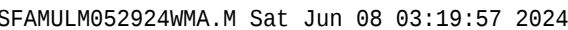
Instrument :
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 ClientSampleId :

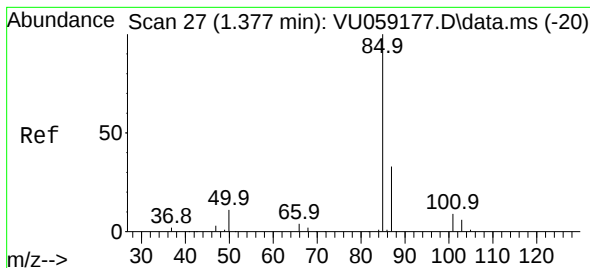
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.785	62	189002	47.295	ug/L	98
29) Cyclohexane	5.380	56	181188	45.892	ug/L	93
30) 1,1,1-Trichloroethane	5.306	97	195023	50.720	ug/L	97
31) Carbon tetrachloride	5.518	117	161007	51.552	ug/L	99
33) Benzene	5.766	78	524974	49.161	ug/L	100
34) Trichloroethene	6.534	95	137405	52.550	ug/L	95
35) Methylcyclohexane	6.756	83	192754	50.138	ug/L	94
37) 1,2-Dichloropropane	6.782	63	143138	47.205	ug/L	99
38) Bromodichloromethane	7.097	83	175446	49.672	ug/L	99
39) cis-1,3-Dichloropropene	7.598	75	215262	51.308	ug/L	99
40) 4-Methyl-2-pentanone	7.782	43	408017	102.638	ug/L	97
42) Toluene	7.962	91	569701	53.149	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	197643	52.036	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	140729	51.618	ug/L	99
46) Tetrachloroethene	8.547	164	100867	57.915	ug/L	91
48) 2-Hexanone	8.676	43	315605	94.133	ug/L	95
49) Dibromochloromethane	8.804	129	135439	54.970	ug/L	99
50) 1,2-Dibromoethane	8.917	107	150811	53.625	ug/L	98
51) Chlorobenzene	9.441	112	350472	54.174	ug/L	96
52) Ethylbenzene	9.563	91	601607	54.441	ug/L	98
53) m,p-Xylene	9.688	106	227992	56.137	ug/L	98
54) o-Xylene	10.094	106	220161	55.935	ug/L	96
55) Styrene	10.110	104	391276	58.483	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.775	83	245824	49.497	ug/L	97
59) Bromoform	10.283	173	108943	52.508	ug/L	100
60) 1,2,3-Trichloropropane	10.814	75	193626	44.001	ug/L	99
61) Isopropylbenzene	10.479	105	589920	52.989	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	435234	53.958	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	483249	55.266	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	274601	52.775	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	280288	52.160	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	273692	50.327	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	56924	51.026	ug/L	86
69) 1,3,5-Trichlorobenzene	13.212	180	195974	57.030	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	182640	66.546	ug/L	100
71) Naphthalene	14.081	128	635195	73.117	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	185397	66.443	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 45.226 ug/L

RT: 1.380 min Scan# 27

Delta R.T. 0.003 min

Lab File: VU059194.D

Acq: 07 Jun 2024 18:01

Instrument :

MSVOA_U

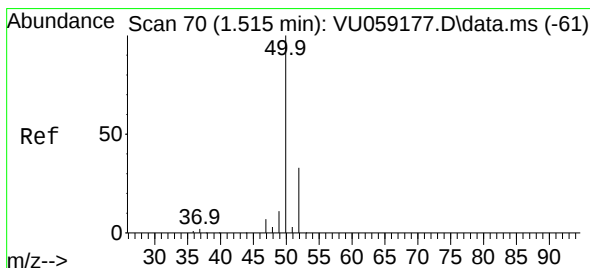
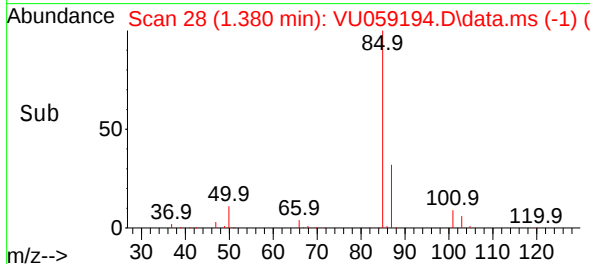
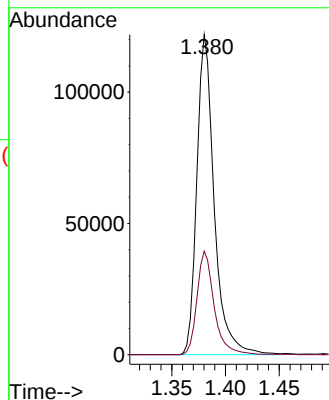
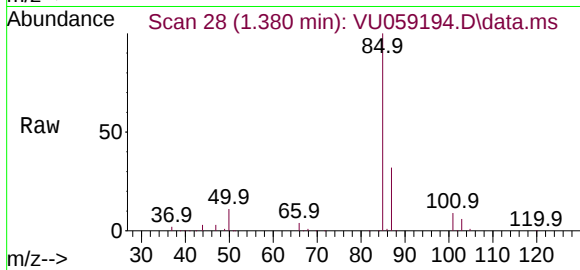
ClientSampleId :

Tgt Ion: 85 Resp: 136949

Ion Ratio Lower Upper

85 100

87 32.0 25.4 38.2



#3

Chloromethane

Concen: 41.176 ug/L

RT: 1.518 min Scan# 71

Delta R.T. 0.003 min

Lab File: VU059194.D

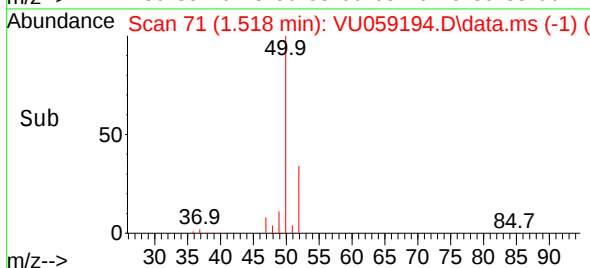
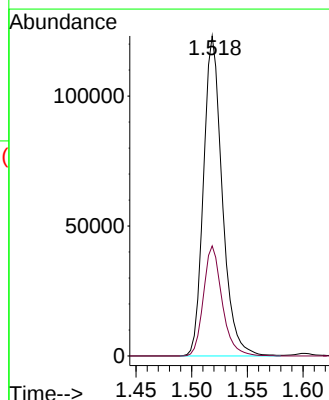
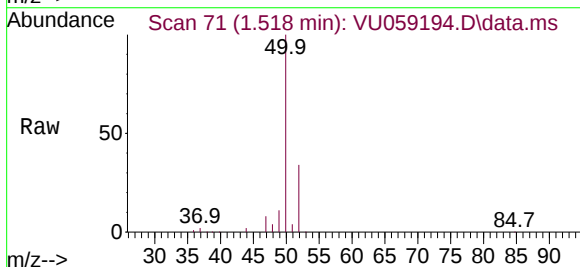
Acq: 07 Jun 2024 18:01

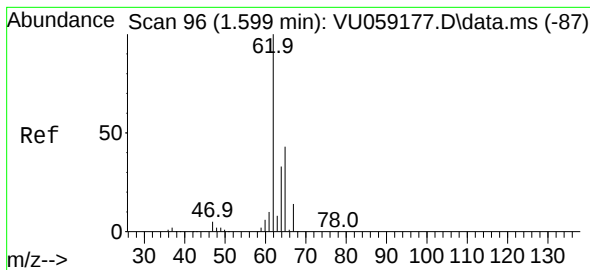
Tgt Ion: 50 Resp: 144102

Ion Ratio Lower Upper

50 100

52 34.4 23.2 43.2





#5

Vinyl chloride

Concen: 47.248 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.003 min

Lab File: VU059194.D

Acq: 07 Jun 2024 18:01

Instrument :

MSVOA_U

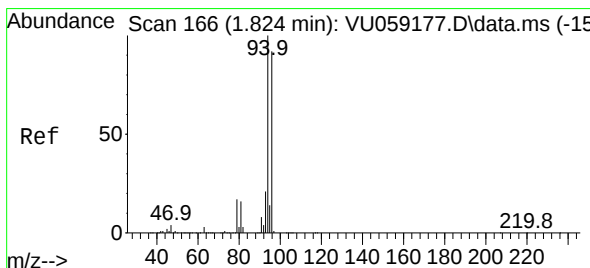
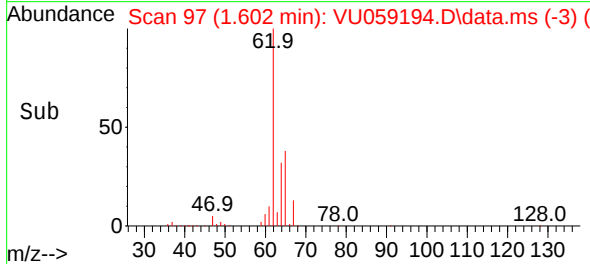
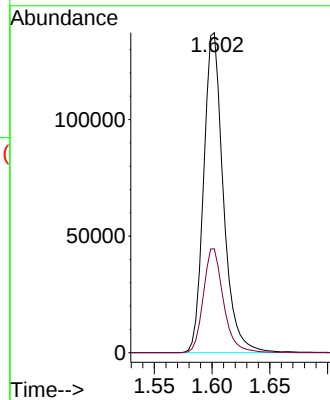
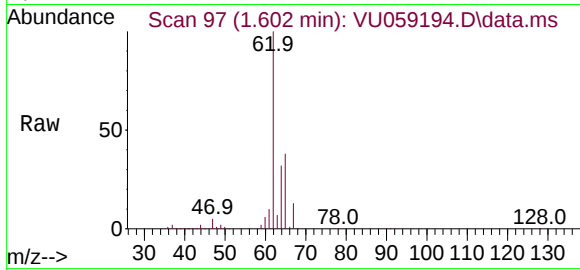
ClientSampleId :

Tgt Ion: 62 Resp: 162477

Ion Ratio Lower Upper

62 100

64 32.4 22.5 41.7



#6

Bromomethane

Concen: 37.944 ug/L

RT: 1.849 min Scan# 174

Delta R.T. 0.026 min

Lab File: VU059194.D

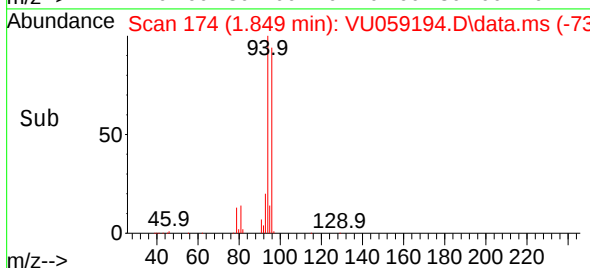
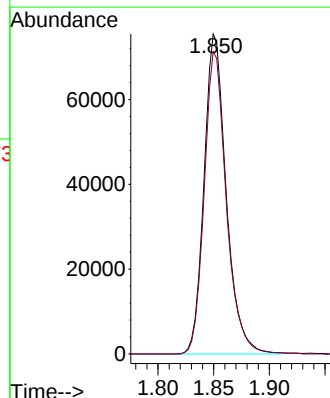
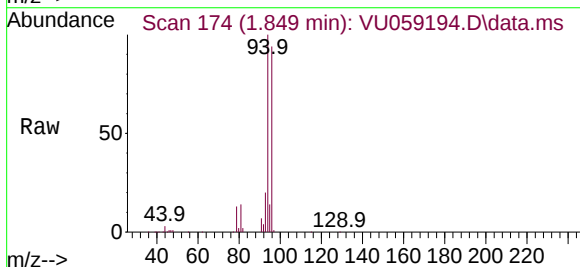
Acq: 07 Jun 2024 18:01

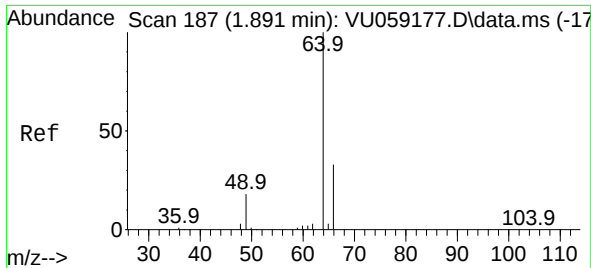
Tgt Ion: 94 Resp: 104392

Ion Ratio Lower Upper

94 100

96 94.5 67.1 124.7

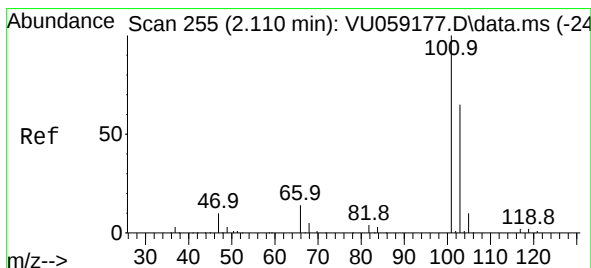
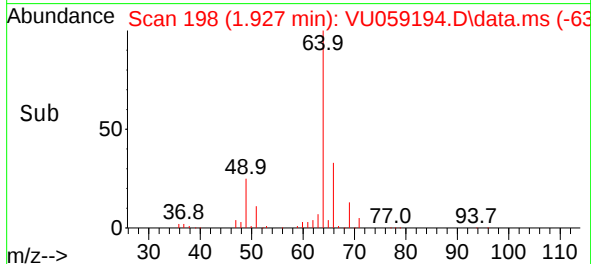
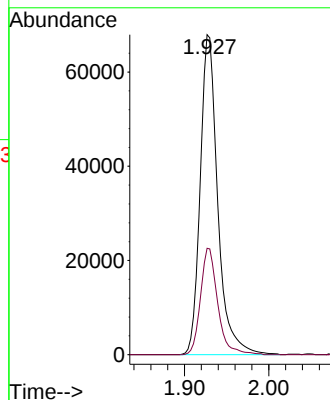
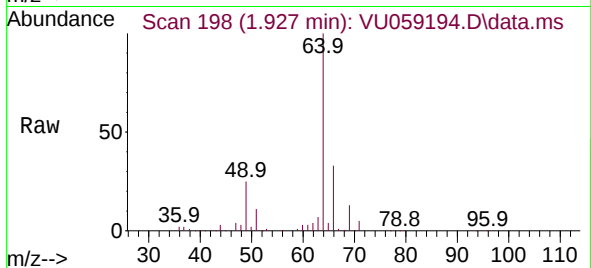




#8
Chloroethane
Concen: 45.974 ug/L
RT: 1.927 min Scan# 10
Delta R.T. 0.036 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

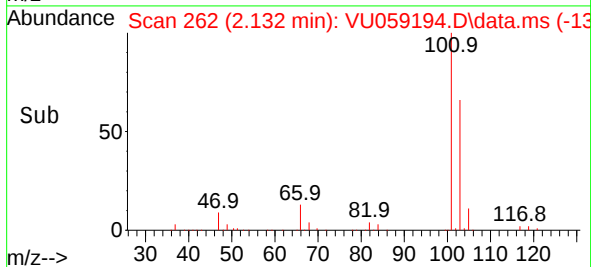
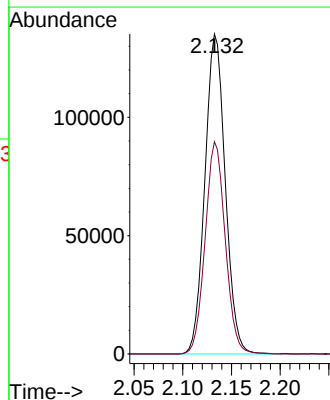
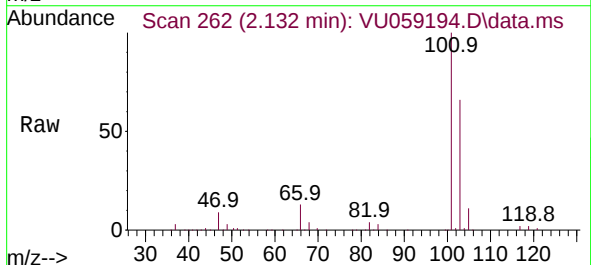
Instrument :
MSVOA_U
ClientSampleId :

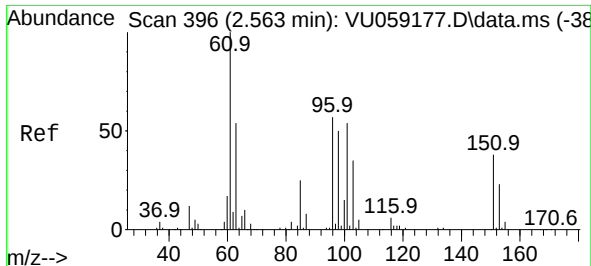
Tgt Ion: 64 Resp: 98589
Ion Ratio Lower Upper
64 100
66 33.3 22.1 41.1



#9
Trichlorofluoromethane
Concen: 49.167 ug/L
RT: 2.132 min Scan# 262
Delta R.T. 0.023 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

Tgt Ion:101 Resp: 196752
Ion Ratio Lower Upper
101 100
103 65.5 51.8 77.6

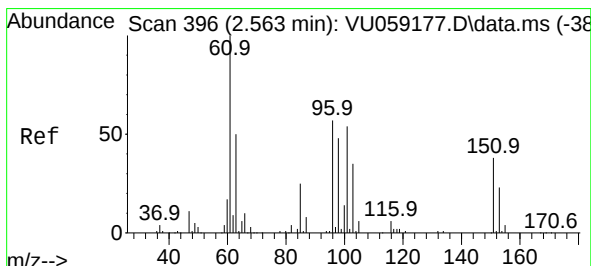
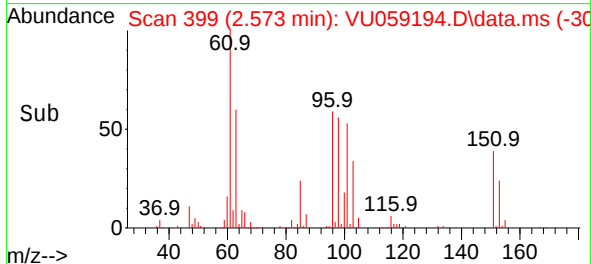
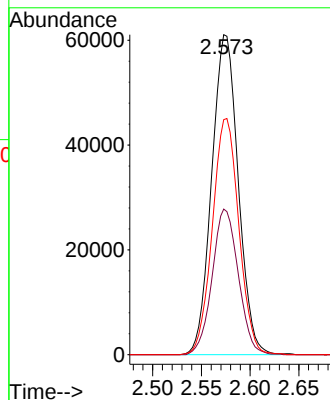
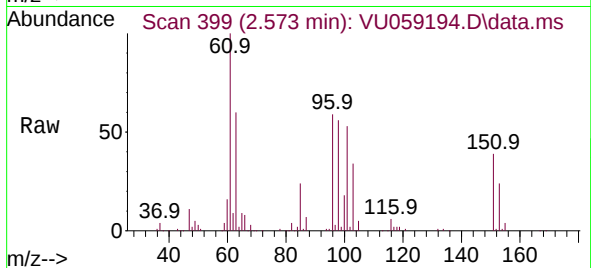




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 49.669 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.010 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

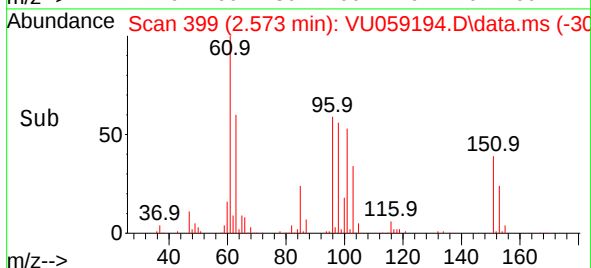
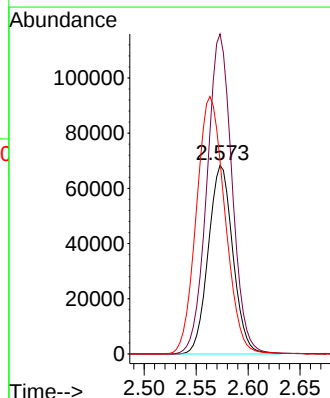
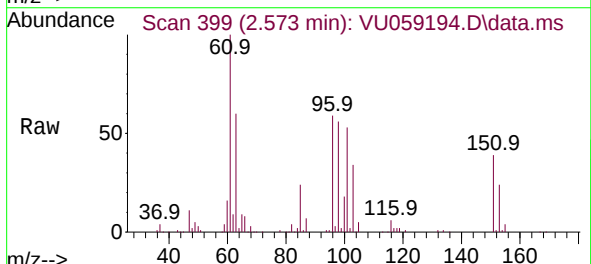
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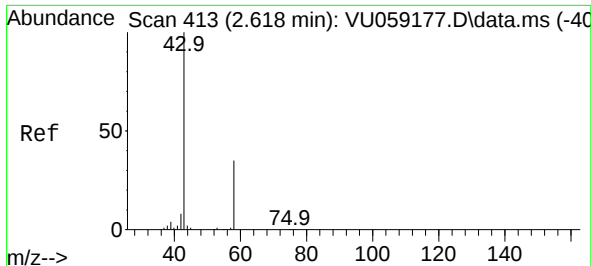
Tgt Ion:101 Resp: 115641
Ion Ratio Lower Upper
101 100
85 44.8 36.7 55.1
151 73.7 52.2 78.2



#12
1,1-Dichloroethene
Concen: 53.269 ug/L
RT: 2.573 min Scan# 399
Delta R.T. 0.010 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

Tgt Ion: 96 Resp: 112490
Ion Ratio Lower Upper
96 100
61 169.6 126.3 234.6
63 102.4 78.7 146.1





#13

Acetone

Concen: 65.725 ug/L

RT: 2.615 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU059194.D

Acq: 07 Jun 2024 18:01

Instrument :

MSVOA_U

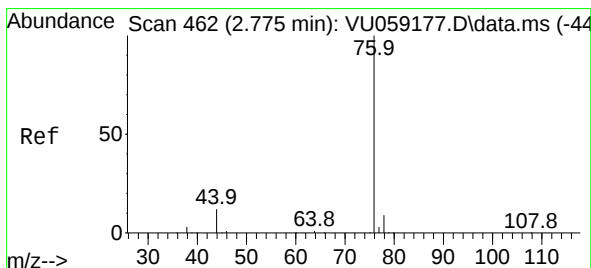
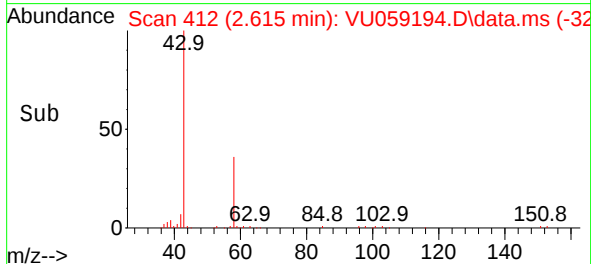
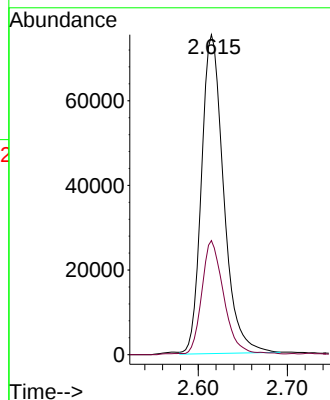
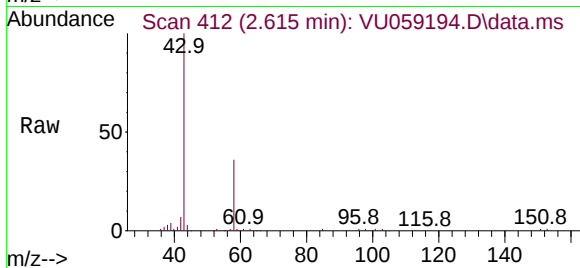
ClientSampleId :

Tgt Ion: 43 Resp: 130298

Ion Ratio Lower Upper

43 100

58 34.5 0.0 68.8



#14

Carbon disulfide

Concen: 47.202 ug/L

RT: 2.785 min Scan# 465

Delta R.T. 0.010 min

Lab File: VU059194.D

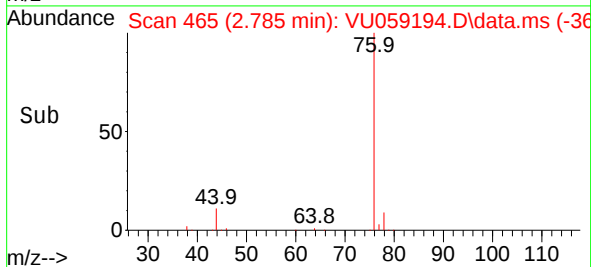
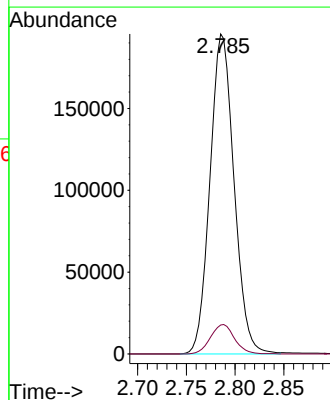
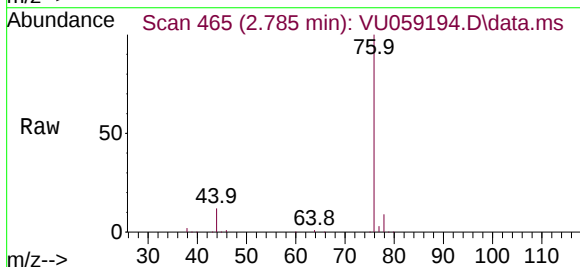
Acq: 07 Jun 2024 18:01

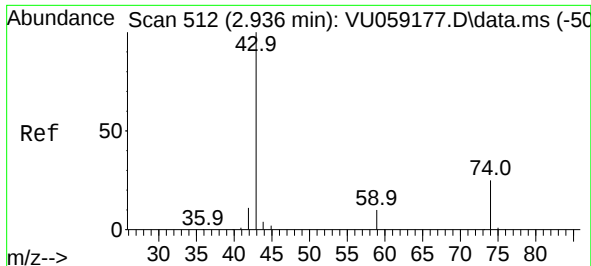
Tgt Ion: 76 Resp: 335702

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8





#15

Methyl Acetate

Concen: 46.788 ug/L

RT: 2.936 min Scan# 512

Delta R.T. 0.000 min

Lab File: VU059194.D

Acq: 07 Jun 2024 18:01

Instrument :

MSVOA_U

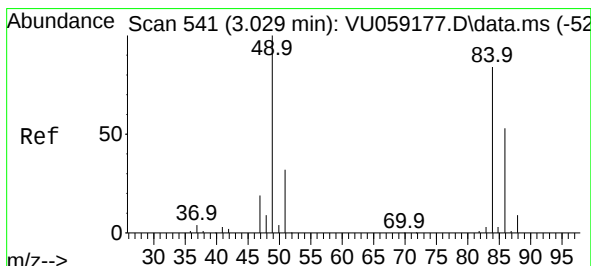
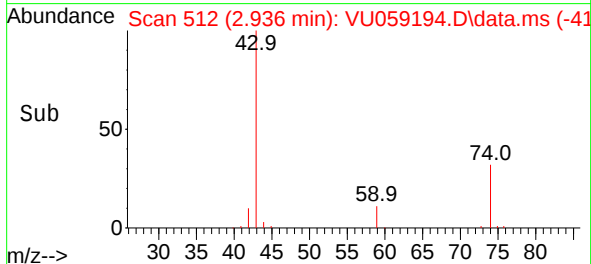
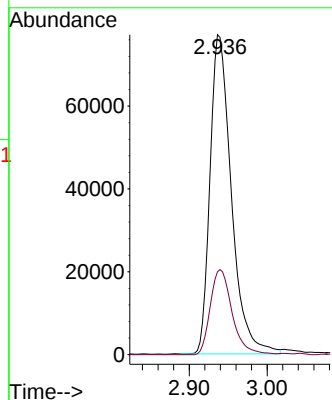
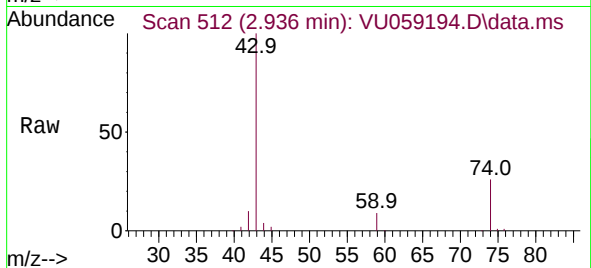
ClientSampleId :

Tgt Ion: 43 Resp: 146928

Ion Ratio Lower Upper

43 100

74 27.2 20.8 31.2



#16

Methylene chloride

Concen: 47.306 ug/L

RT: 3.036 min Scan# 543

Delta R.T. 0.007 min

Lab File: VU059194.D

Acq: 07 Jun 2024 18:01

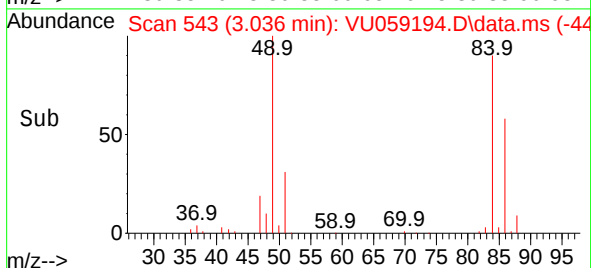
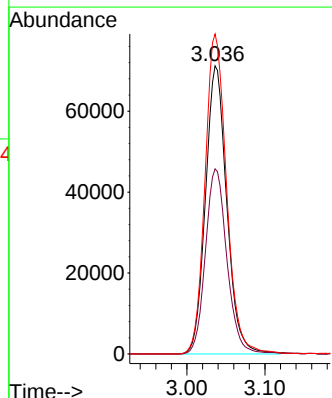
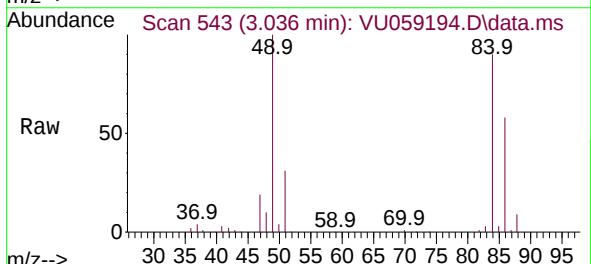
Tgt Ion: 84 Resp: 135167

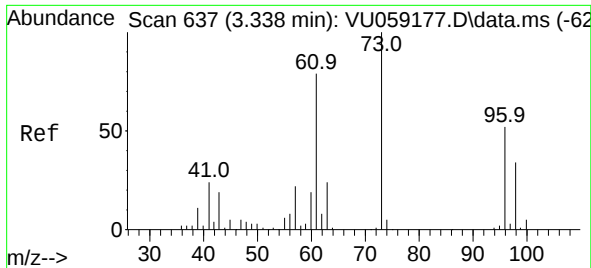
Ion Ratio Lower Upper

84 100

86 64.3 44.9 83.3

49 111.1 87.5 162.5

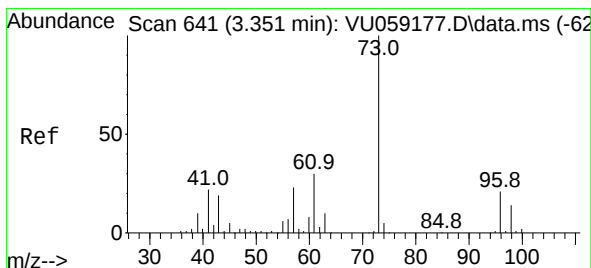
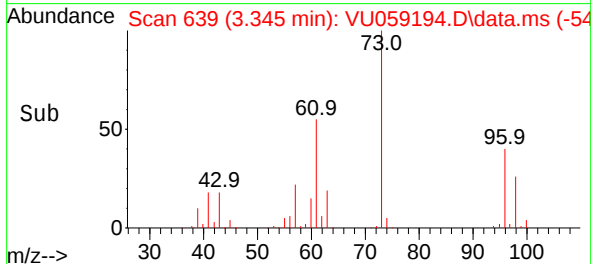
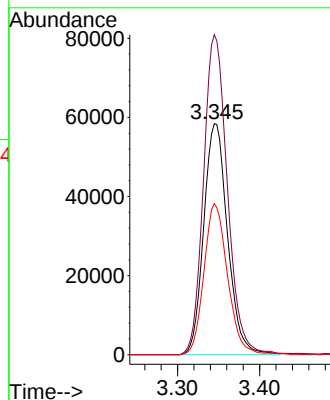
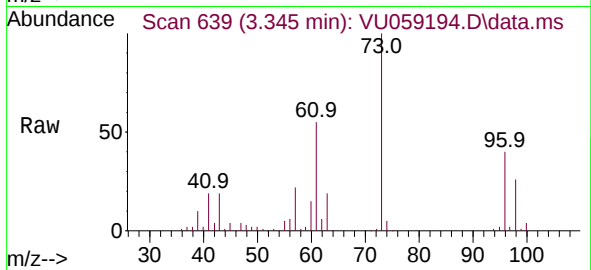




#17
trans-1,2-Dichloroethene
Concen: 51.837 ug/L
RT: 3.345 min Scan# 61
Delta R.T. 0.007 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

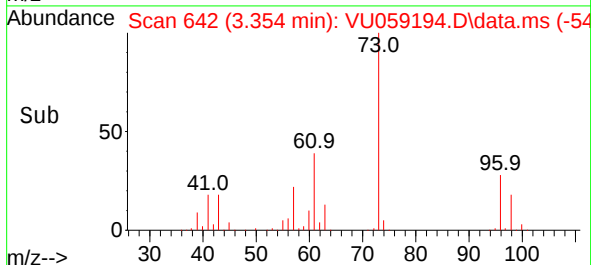
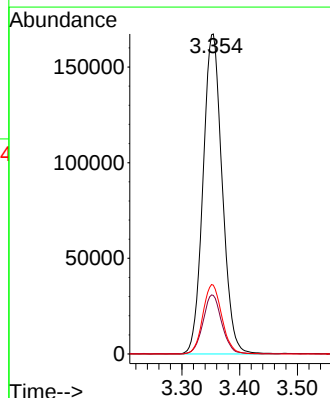
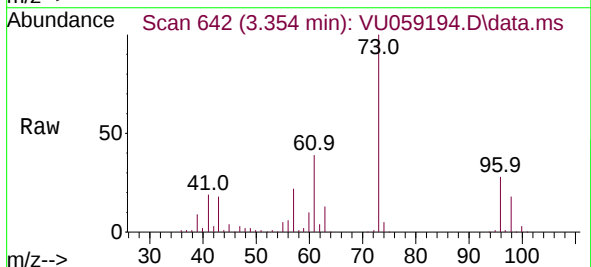
Instrument :
MSVOA_U
ClientSampleId :

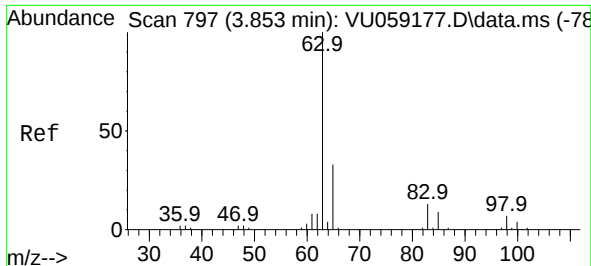
Tgt Ion: 96 Resp: 118150
Ion Ratio Lower Upper
96 100
61 138.5 103.5 192.3
98 65.4 42.4 78.6



#18
Methyl tert-butyl Ether
Concen: 52.073 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.003 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

Tgt Ion: 73 Resp: 385533
Ion Ratio Lower Upper
73 100
43 18.0 15.6 23.4
57 21.5 18.6 28.0





#19

1,1-Dichloroethane

Concen: 47.747 ug/L

RT: 3.859 min Scan# 797

Delta R.T. 0.007 min

Lab File: VU059194.D

Acq: 07 Jun 2024 18:01

Instrument :

MSVOA_U

ClientSampleId :

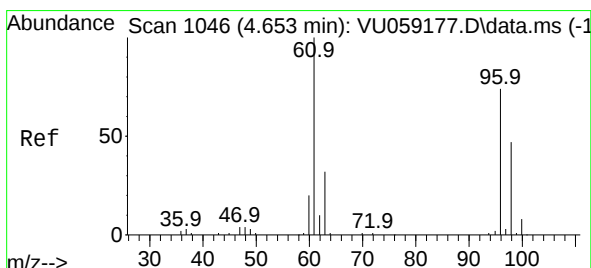
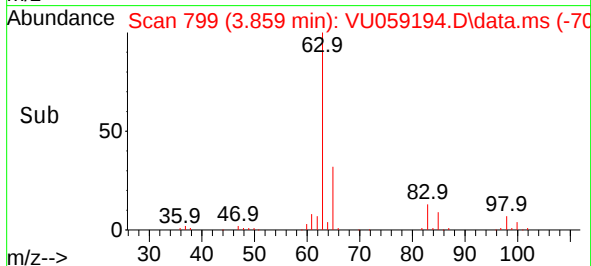
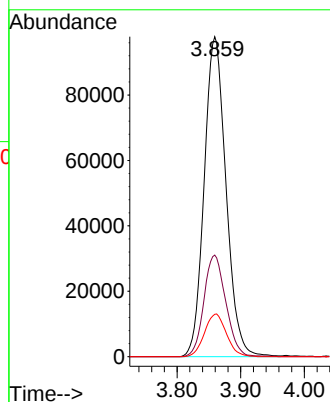
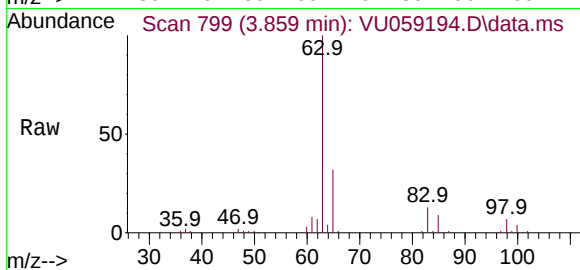
Tgt Ion: 63 Resp: 233268

Ion Ratio Lower Upper

63 100

65 31.8 21.3 39.5

83 13.3 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 52.219 ug/L

RT: 4.656 min Scan# 1047

Delta R.T. 0.003 min

Lab File: VU059194.D

Acq: 07 Jun 2024 18:01

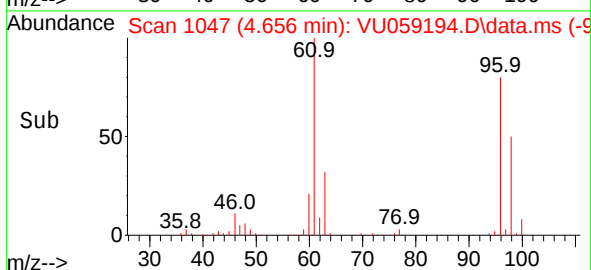
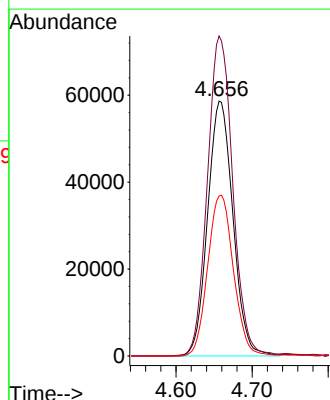
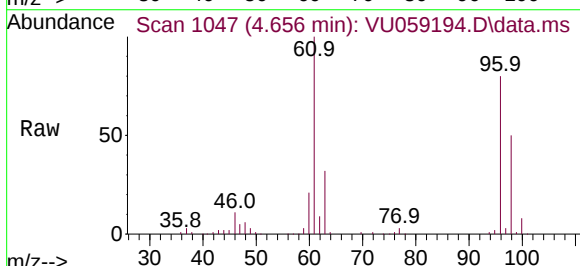
Tgt Ion: 96 Resp: 135627

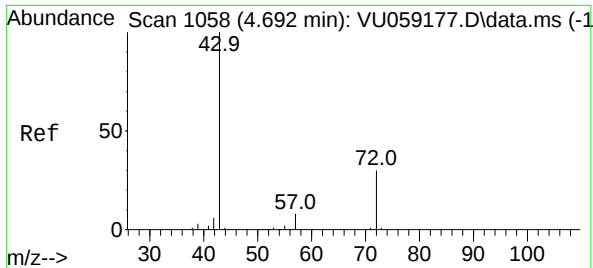
Ion Ratio Lower Upper

96 100

61 125.6 96.2 178.6

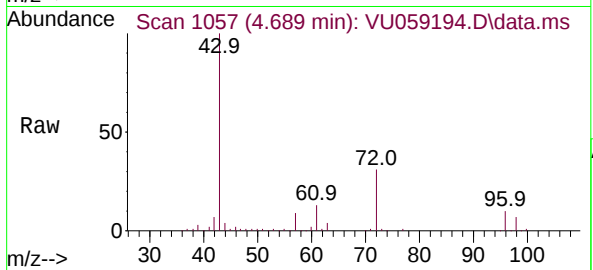
98 62.8 45.6 84.6



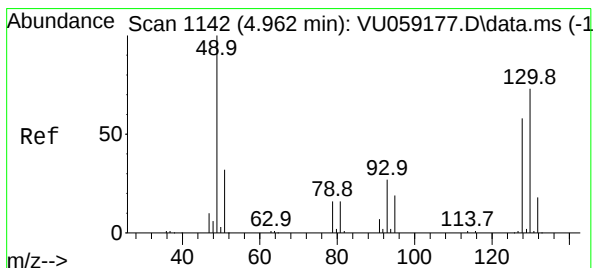
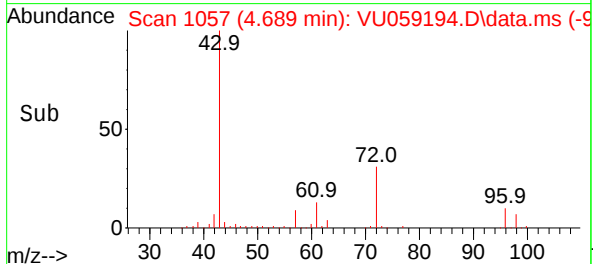
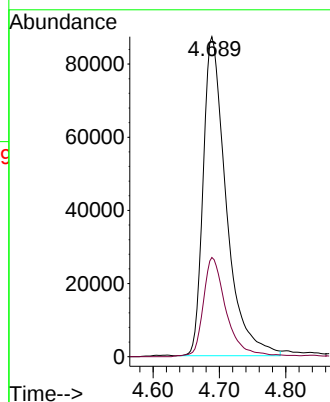


#22
2-Butanone
Concen: 87.826 ug/L
RT: 4.689 min Scan# 1057
Delta R.T. -0.003 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

Instrument :
MSVOA_U
ClientSampleId :

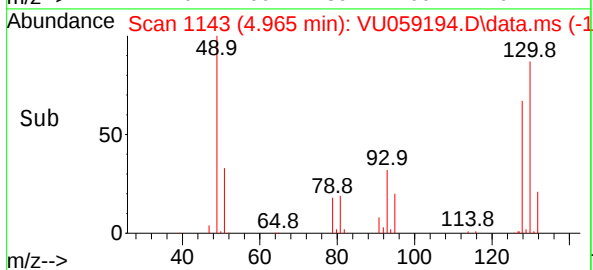
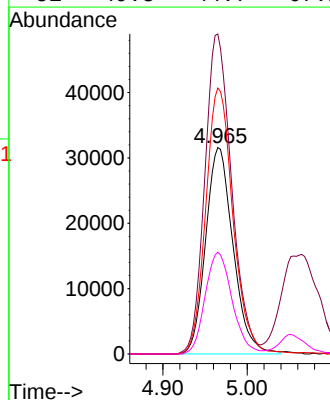
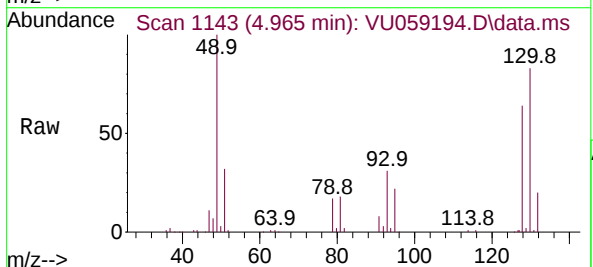


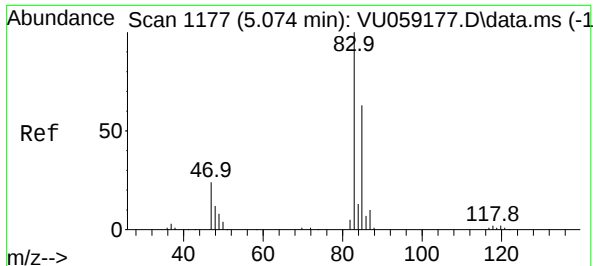
Tgt Ion: 43 Resp: 210793
Ion Ratio Lower Upper
43 100
72 30.7 14.2 42.8



#23
Bromochloromethane
Concen: 54.256 ug/L
RT: 4.965 min Scan# 1143
Delta R.T. 0.003 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

Tgt Ion:128 Resp: 71380
Ion Ratio Lower Upper
128 100
49 155.1 128.4 238.4
130 128.9 86.9 161.3
51 49.3 44.7 67.1





#25

Chloroform

Concen: 50.699 ug/L

RT: 5.078 min Scan# 1177

Delta R.T. 0.003 min

Lab File: VU059194.D

Acq: 07 Jun 2024 18:01

Instrument :

MSVOA_U

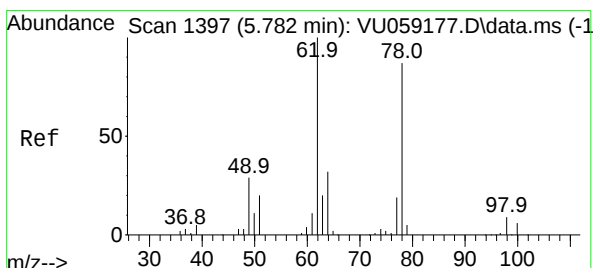
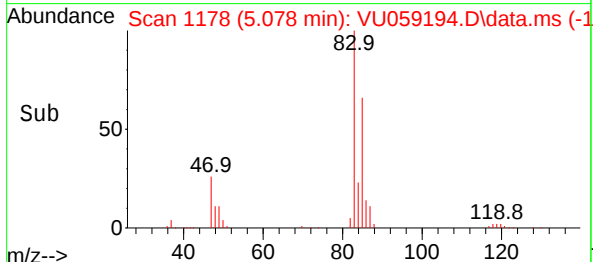
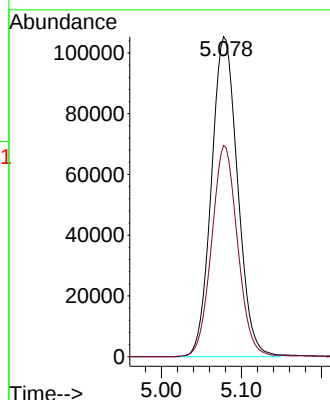
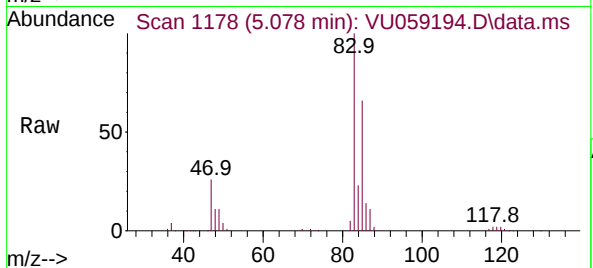
ClientSampleId :

Tgt Ion: 83 Resp: 239834

Ion Ratio Lower Upper

83 100

85 66.1 46.1 85.7



#27

1,2-Dichloroethane

Concen: 47.295 ug/L

RT: 5.785 min Scan# 1398

Delta R.T. 0.003 min

Lab File: VU059194.D

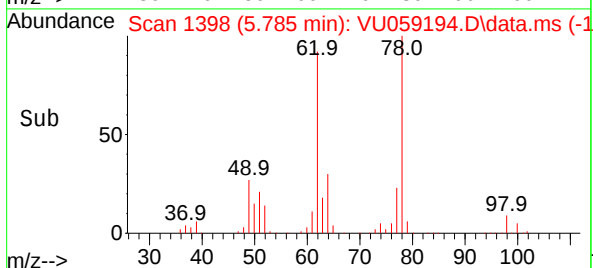
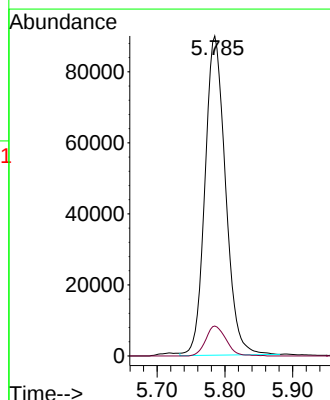
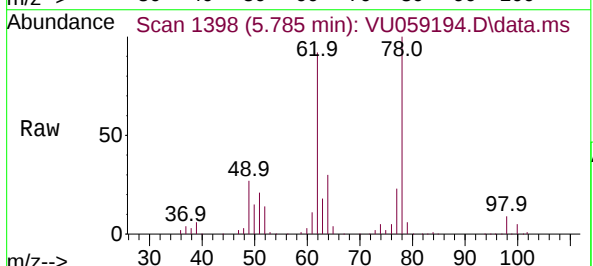
Acq: 07 Jun 2024 18:01

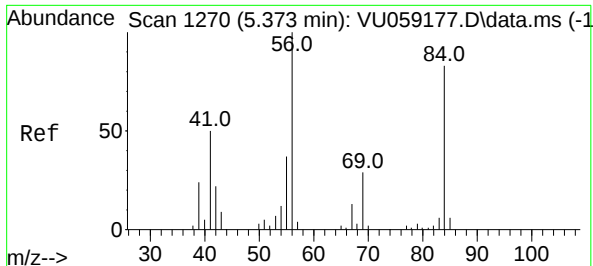
Tgt Ion: 62 Resp: 189002

Ion Ratio Lower Upper

62 100

98 9.4 6.9 10.3

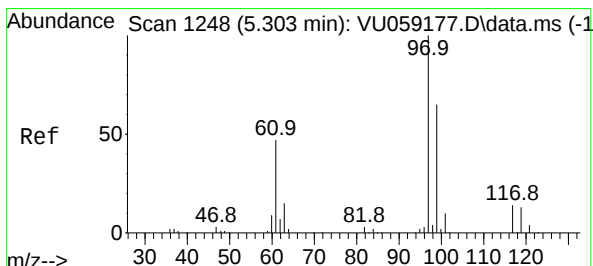
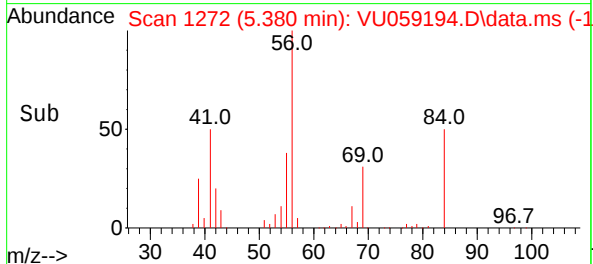
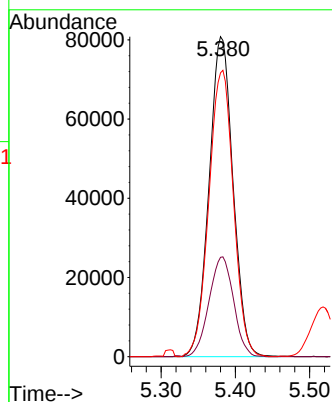
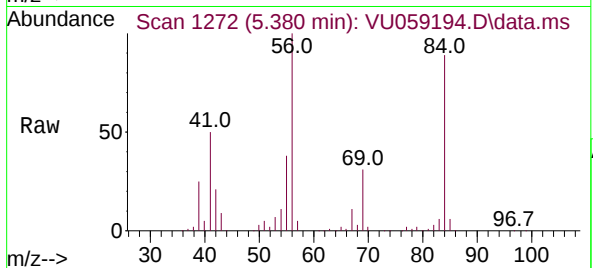




#29
Cyclohexane
Concen: 45.892 ug/L
RT: 5.380 min Scan# 1270
Delta R.T. 0.007 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

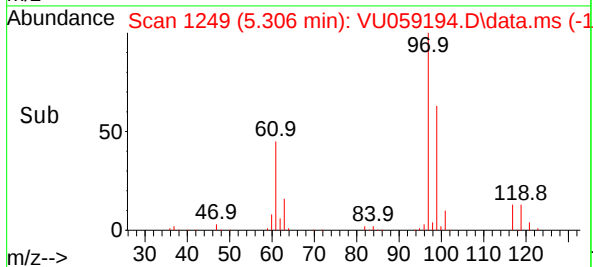
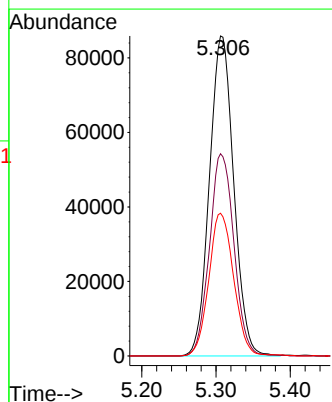
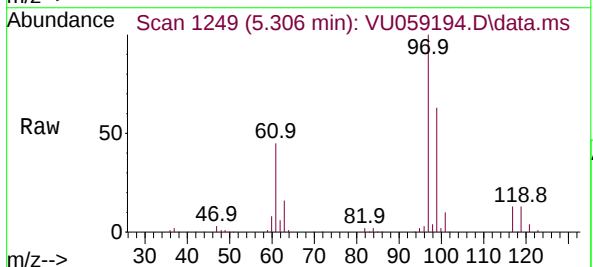
Instrument :
MSVOA_U
ClientSampleId :

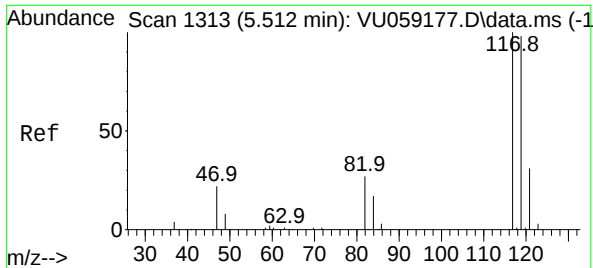
Tgt Ion: 56 Resp: 181188
Ion Ratio Lower Upper
56 100
69 31.9 24.6 37.0
84 91.8 67.4 101.0



#30
1,1,1-Trichloroethane
Concen: 50.720 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. 0.003 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

Tgt Ion: 97 Resp: 195023
Ion Ratio Lower Upper
97 100
99 63.8 51.6 77.4
61 45.6 39.1 58.7

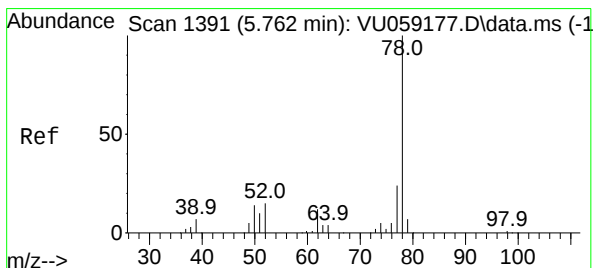
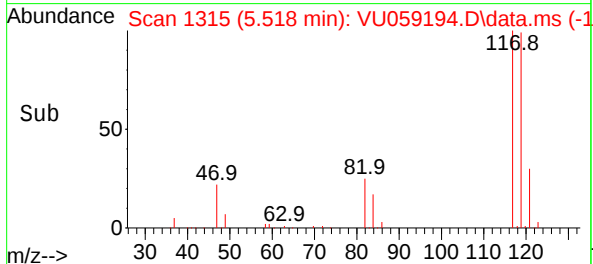
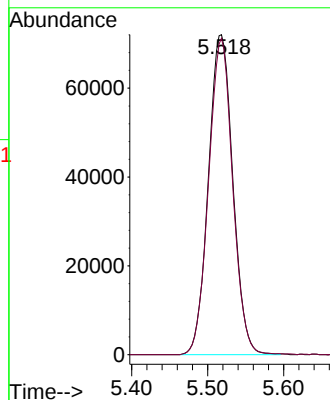
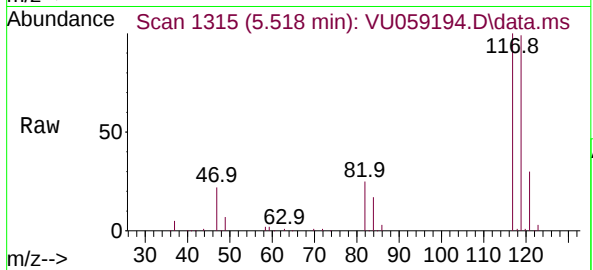




#31
Carbon tetrachloride
Concen: 51.552 ug/L
RT: 5.518 min Scan# 1313
Delta R.T. 0.007 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

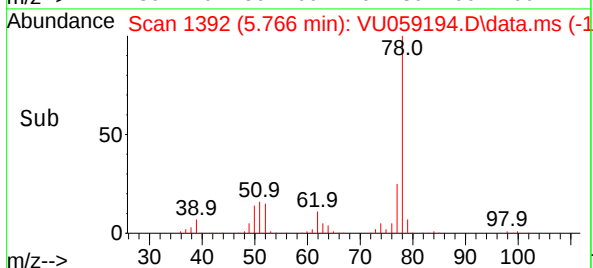
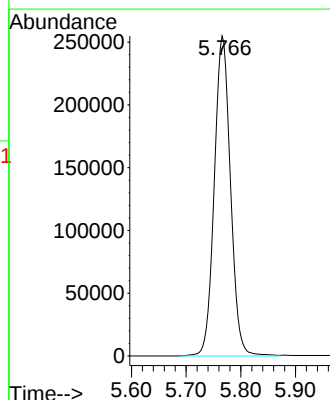
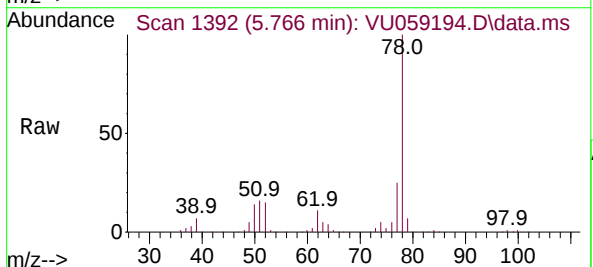
Instrument :
MSVOA_U
ClientSampleId :

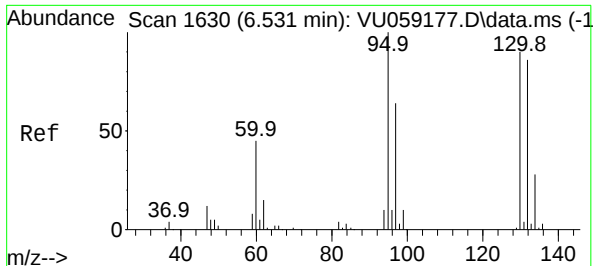
Tgt Ion:117 Resp: 161007
Ion Ratio Lower Upper
117 100
119 96.9 76.9 115.3



#33
Benzene
Concen: 49.161 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. 0.003 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

Tgt Ion: 78 Resp: 524974

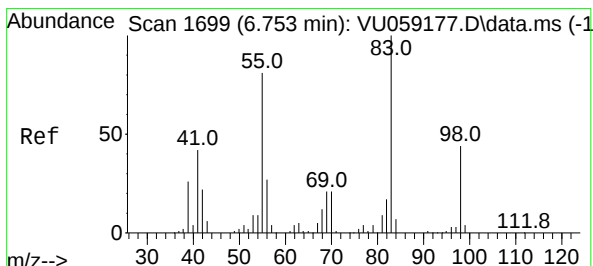
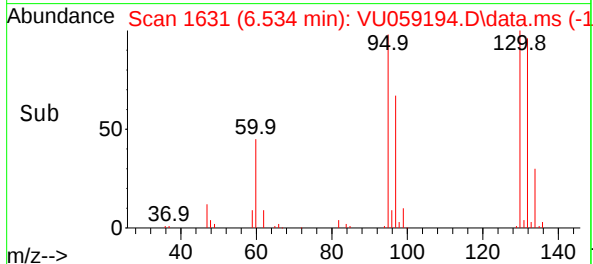
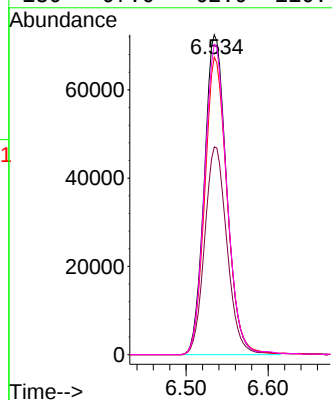
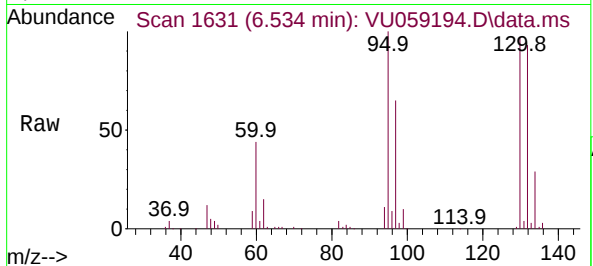




#34
Trichloroethene
Concen: 52.550 ug/L
RT: 6.534 min Scan# 1700
Delta R.T. 0.003 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

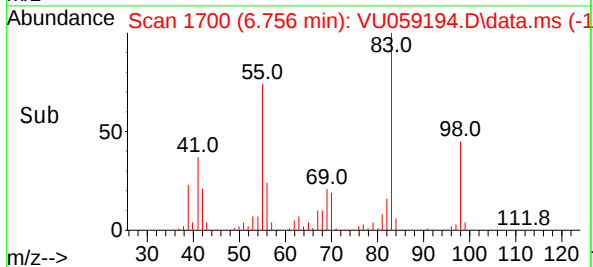
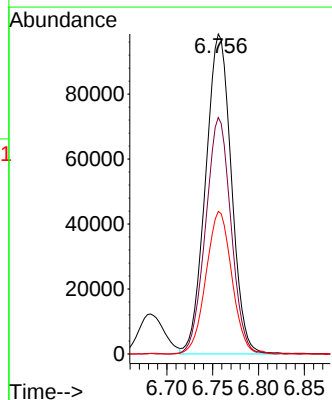
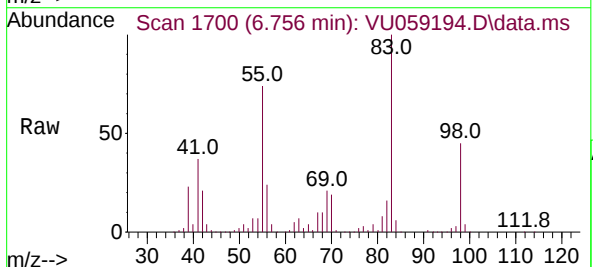
Instrument :
MSVOA_U
ClientSampleId :

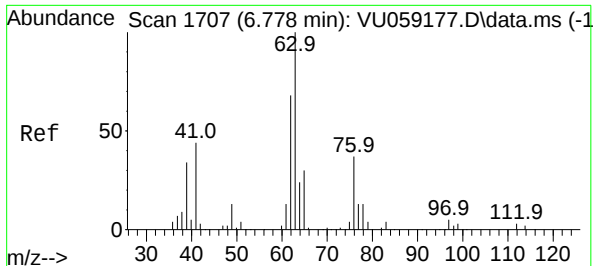
Tgt Ion: 95 Resp: 137405
Ion Ratio Lower Upper
95 100
97 65.0 45.2 84.0
132 93.0 60.6 112.6
130 97.0 62.9 116.7



#35
Methylcyclohexane
Concen: 50.138 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. 0.003 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

Tgt Ion: 83 Resp: 192754
Ion Ratio Lower Upper
83 100
55 72.8 63.9 95.9
98 44.5 34.7 52.1

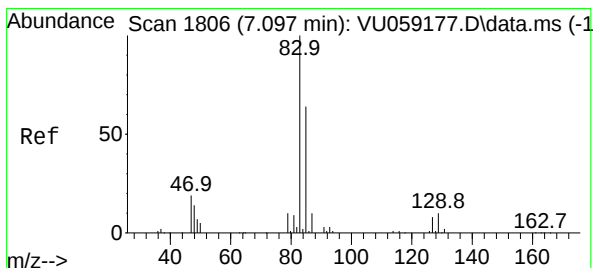
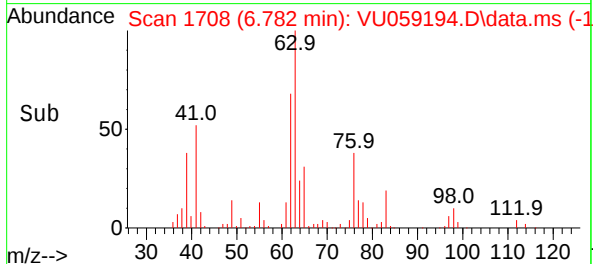
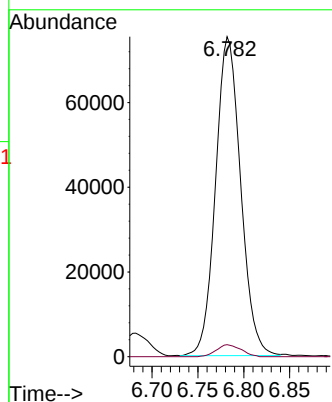
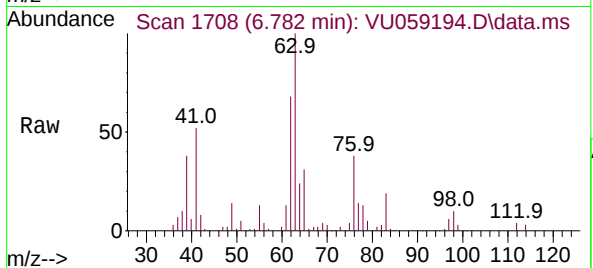




#37
1,2-Dichloropropane
Concen: 47.205 ug/L
RT: 6.782 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

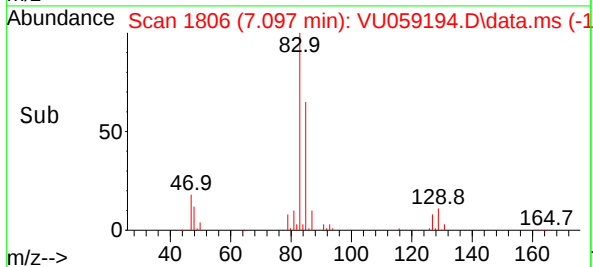
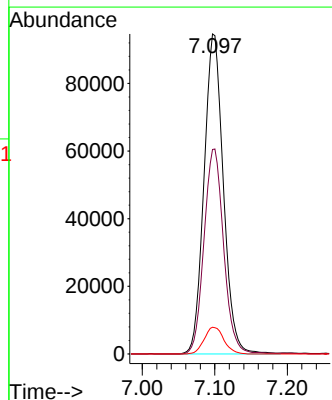
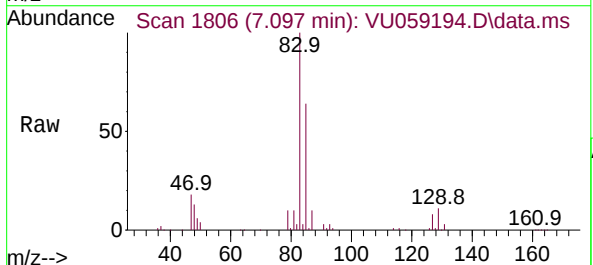
Instrument :
MSVOA_U
ClientSampleId :

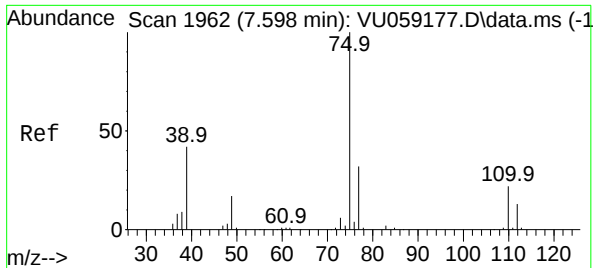
Tgt Ion: 63 Resp: 143138
Ion Ratio Lower Upper
63 100
112 3.7 2.6 4.0



#38
Bromodichloromethane
Concen: 49.672 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

Tgt Ion: 83 Resp: 175446
Ion Ratio Lower Upper
83 100
85 63.9 44.0 81.6
127 8.3 7.0 10.6

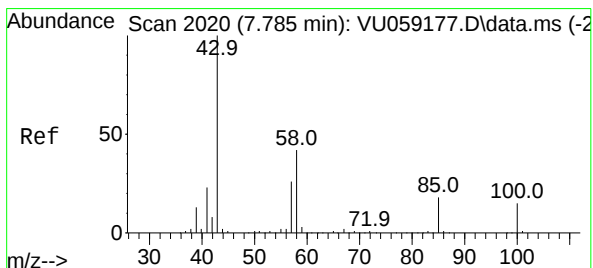
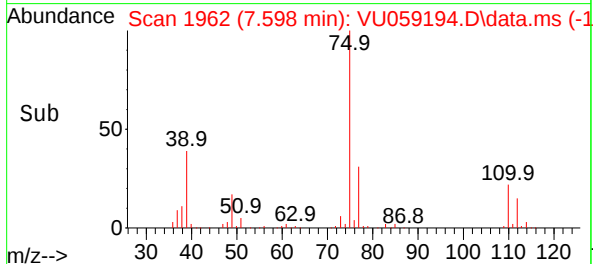
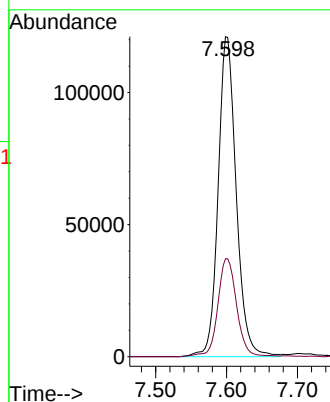
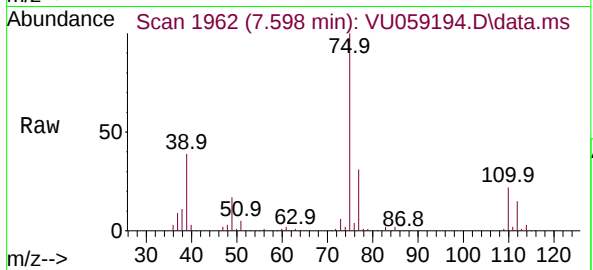




#39
 cis-1,3-Dichloropropene
 Concen: 51.308 ug/L
 RT: 7.598 min Scan# 1962
 Delta R.T. 0.000 min
 Lab File: VU059194.D
 Acq: 07 Jun 2024 18:01

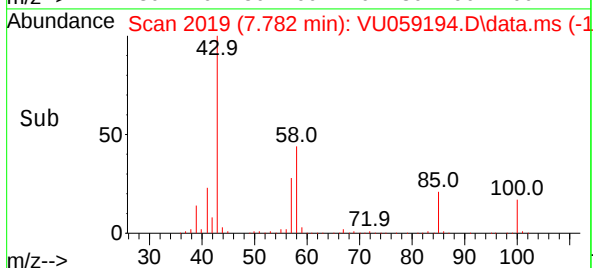
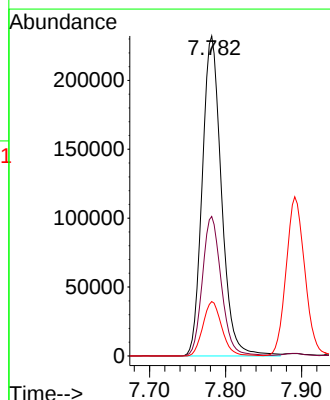
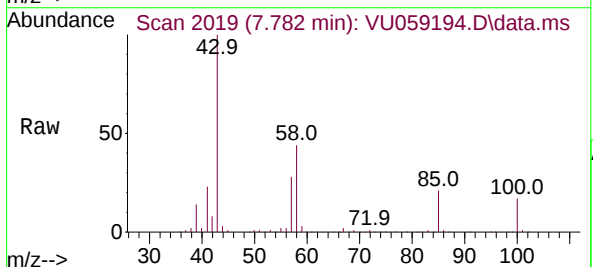
Instrument :
 MSVOA_U
 ClientSampleId :

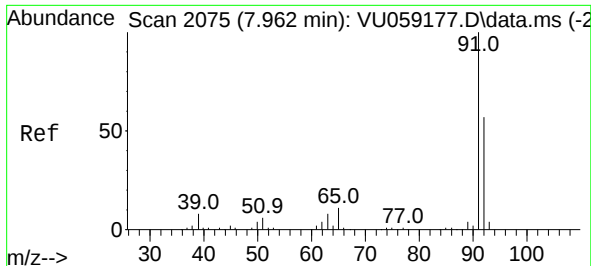
Tgt Ion: 75 Resp: 215262
 Ion Ratio Lower Upper
 75 100
 77 30.6 21.2 39.4



#40
 4-Methyl-2-pentanone
 Concen: 102.638 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.003 min
 Lab File: VU059194.D
 Acq: 07 Jun 2024 18:01

Tgt Ion: 43 Resp: 408017
 Ion Ratio Lower Upper
 43 100
 58 43.1 33.7 50.5
 100 16.8 11.4 17.0





#42

Toluene

Concen: 53.149 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU059194.D

Acq: 07 Jun 2024 18:01

Instrument :

MSVOA_U

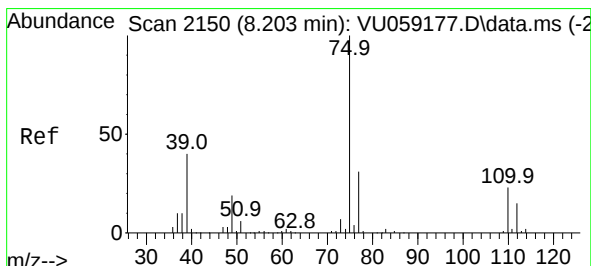
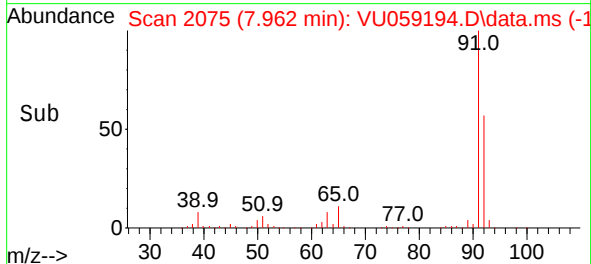
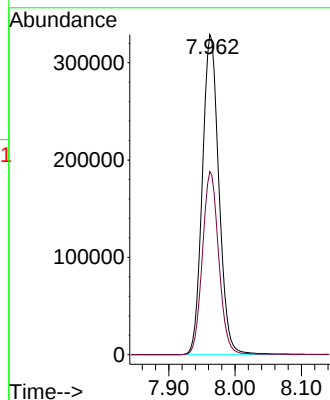
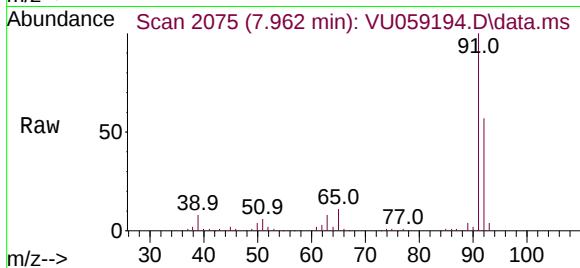
ClientSampleId :

Tgt Ion: 91 Resp: 569701

Ion Ratio Lower Upper

91 100

92 57.2 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 52.036 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU059194.D

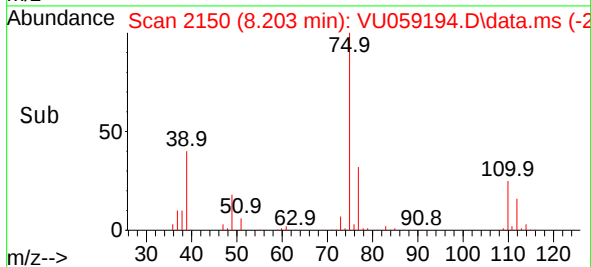
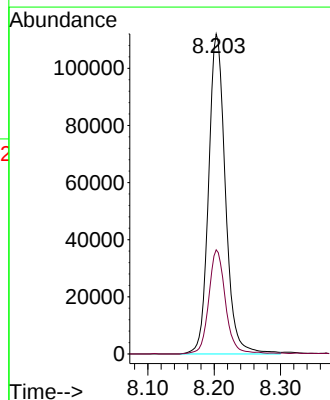
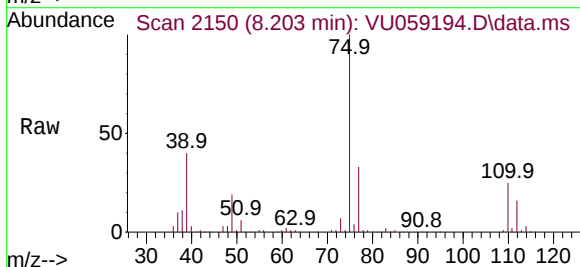
Acq: 07 Jun 2024 18:01

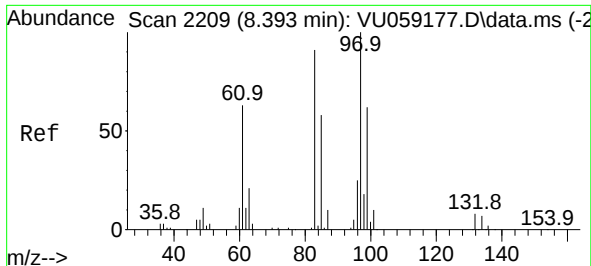
Tgt Ion: 75 Resp: 197643

Ion Ratio Lower Upper

75 100

77 32.6 22.0 40.8





#45

1,1,2-Trichloroethane

Concen: 51.618 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.000 min

Lab File: VU059194.D

Acq: 07 Jun 2024 18:01

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 140729

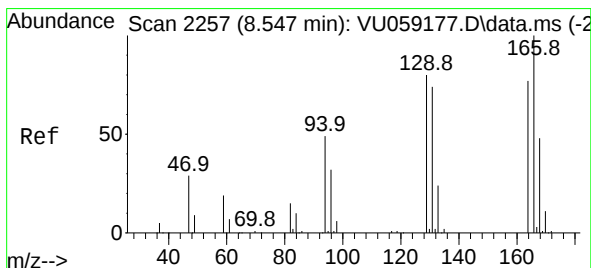
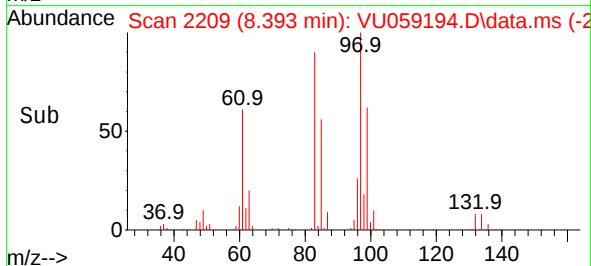
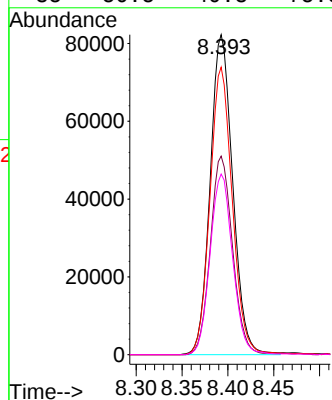
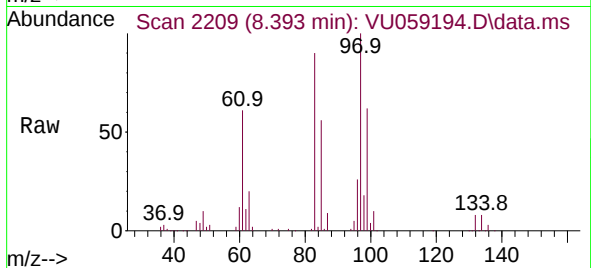
Ion Ratio Lower Upper

97 100

99 62.0 44.0 81.6

83 89.8 63.6 118.2

85 56.5 40.8 75.8



#46

Tetrachloroethene

Concen: 57.915 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU059194.D

Acq: 07 Jun 2024 18:01

Tgt Ion:164 Resp: 100867

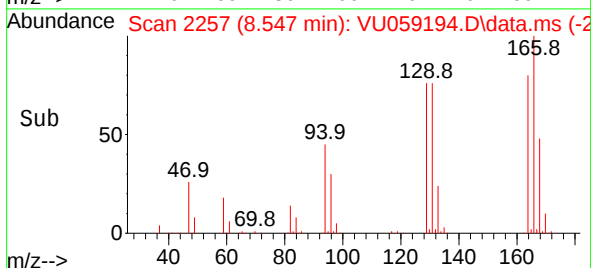
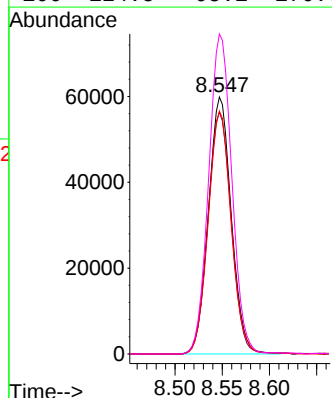
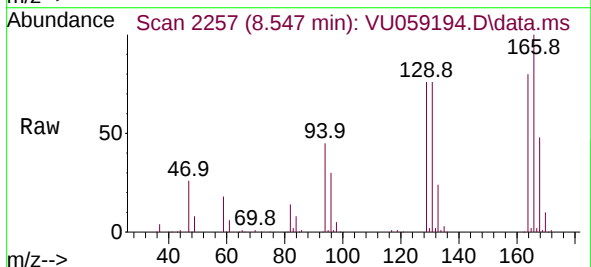
Ion Ratio Lower Upper

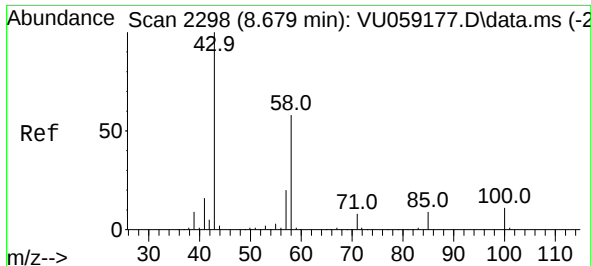
164 100

129 94.1 74.5 138.5

131 94.6 70.6 131.0

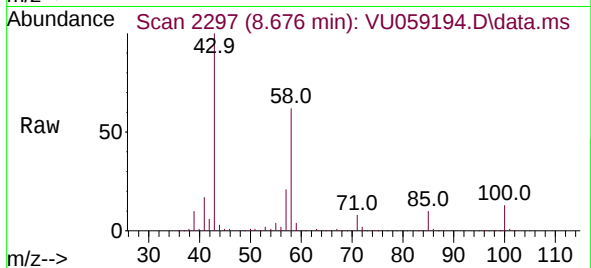
166 124.5 95.1 176.7



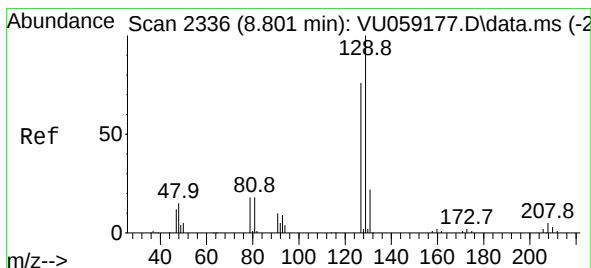
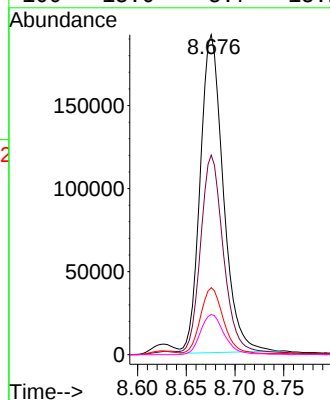
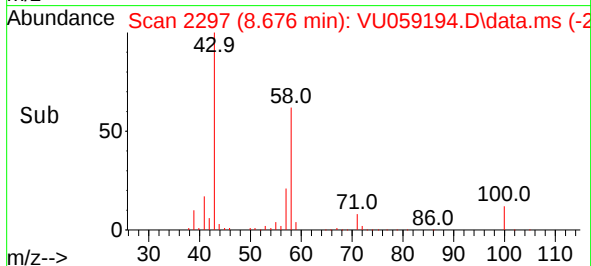


#48
2-Hexanone
Concen: 94.133 ug/L
RT: 8.676 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

Instrument :
MSVOA_U
ClientSampleId :

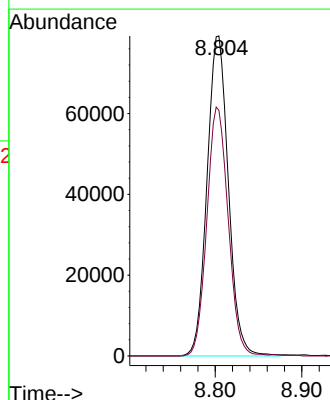
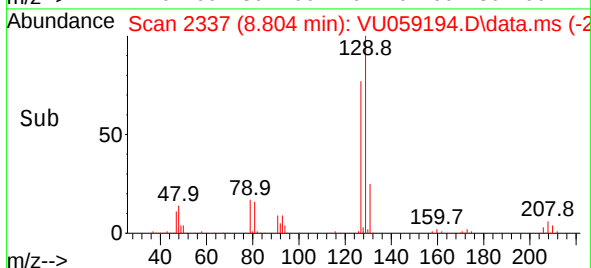
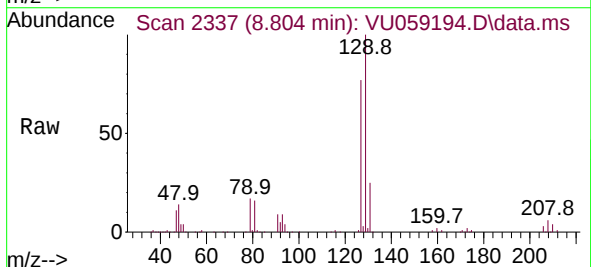


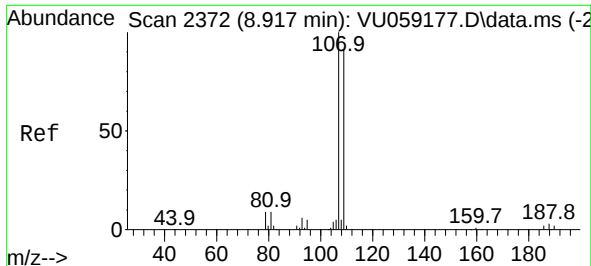
Tgt Ion: 43 Resp: 315605
Ion Ratio Lower Upper
43 100
58 62.6 45.9 68.9
57 20.8 16.3 24.5
100 13.0 8.7 13.1



#49
Dibromochloromethane
Concen: 54.970 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.003 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

Tgt Ion:129 Resp: 135439
Ion Ratio Lower Upper
129 100
127 76.7 53.3 98.9





#50

1,2-Dibromoethane

Concen: 53.625 ug/L

RT: 8.917 min Scan# 2372

Delta R.T. 0.000 min

Lab File: VU059194.D

Acq: 07 Jun 2024 18:01

Instrument :

MSVOA_U

ClientSampleId :

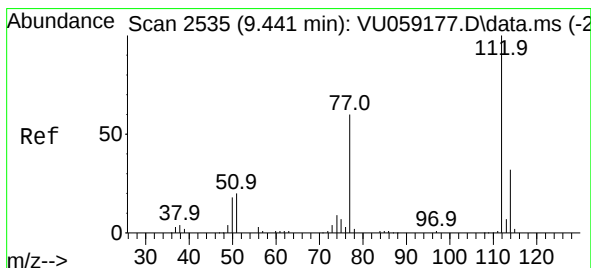
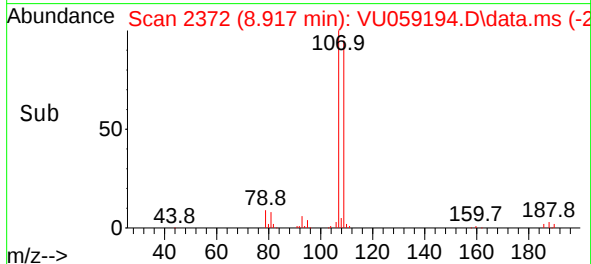
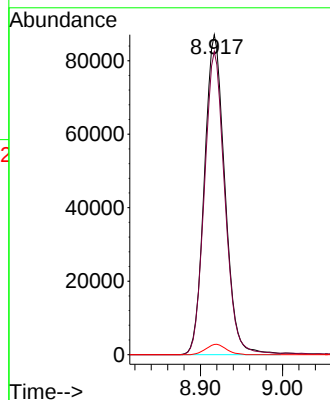
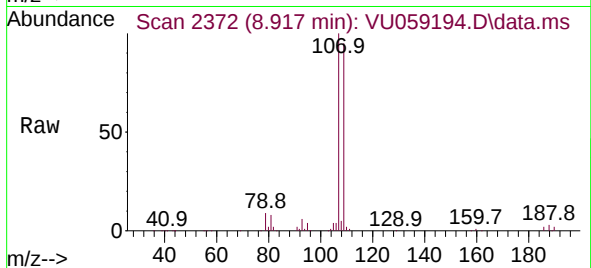
Tgt Ion:107 Resp: 150811

Ion Ratio Lower Upper

107 100

109 94.8 67.8 125.8

188 3.2 2.5 3.7



#51

Chlorobenzene

Concen: 54.174 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU059194.D

Acq: 07 Jun 2024 18:01

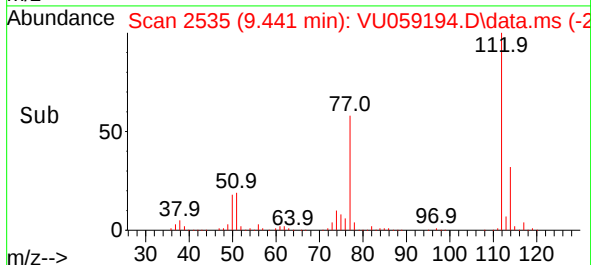
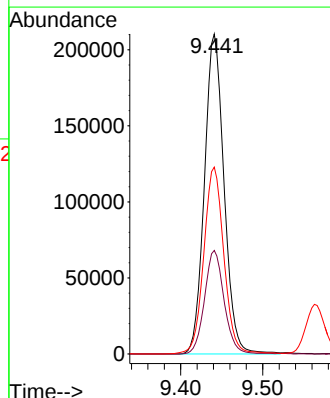
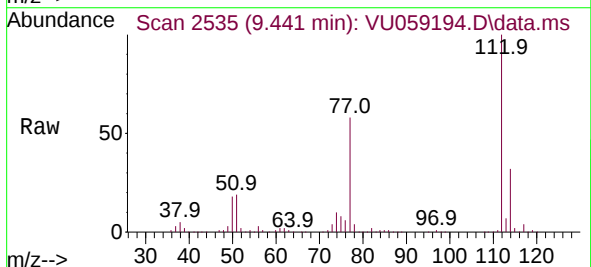
Tgt Ion:112 Resp: 350472

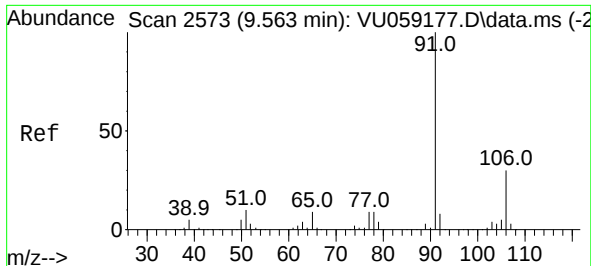
Ion Ratio Lower Upper

112 100

114 32.4 22.1 41.1

77 58.4 49.8 74.6

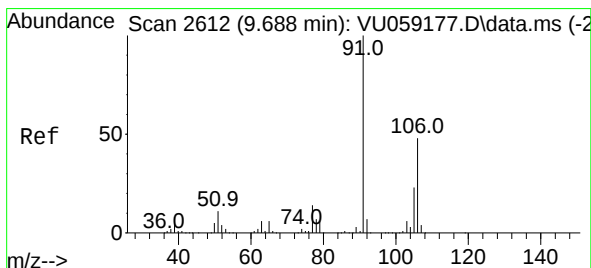
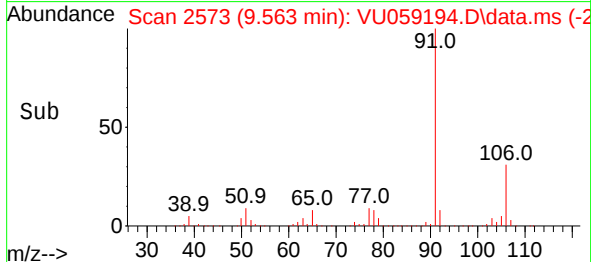
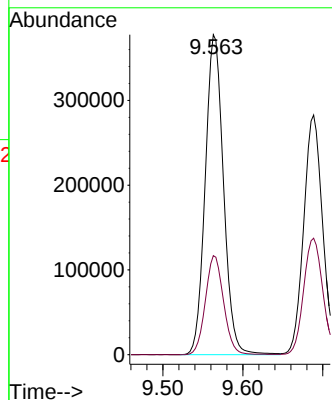
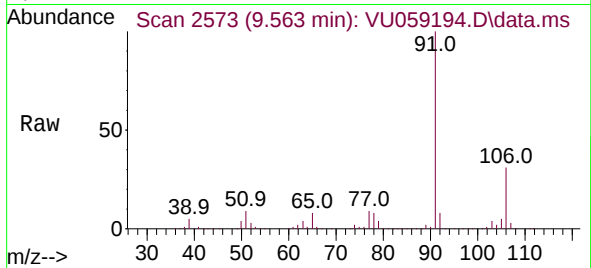




#52
Ethylbenzene
Concen: 54.441 ug/L
RT: 9.563 min Scan# 2573
Delta R.T. 0.000 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

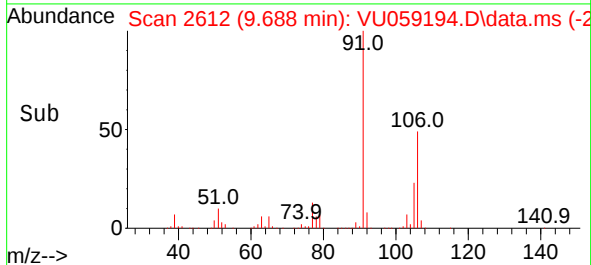
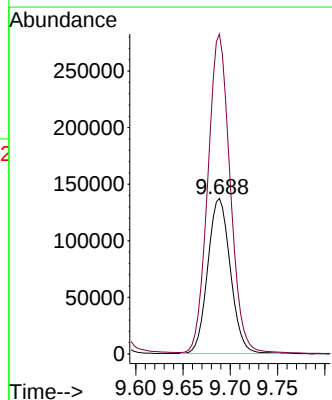
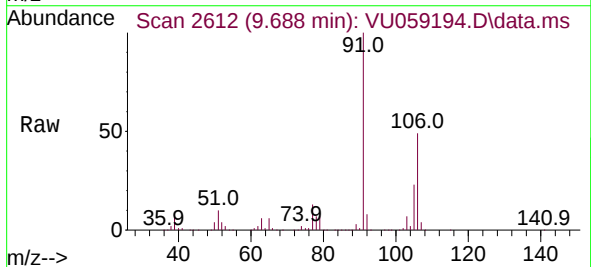
Instrument :
MSVOA_U
ClientSampleId :

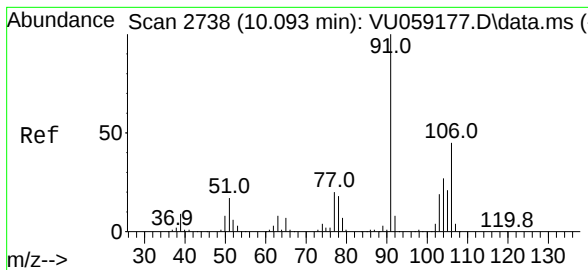
Tgt Ion: 91 Resp: 601607
Ion Ratio Lower Upper
91 100
106 30.9 21.0 39.0



#53
m,p-Xylene
Concen: 56.137 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

Tgt Ion: 106 Resp: 227992
Ion Ratio Lower Upper
106 100
91 205.8 146.4 272.0

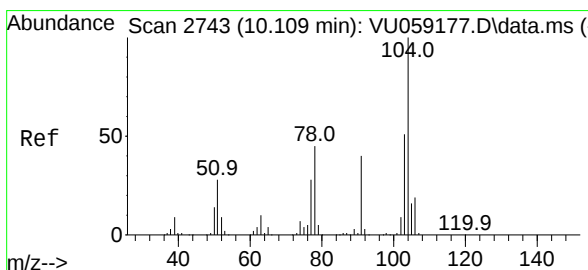
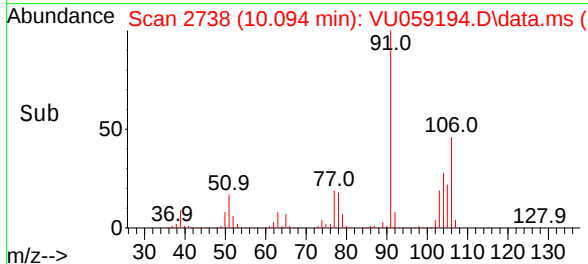
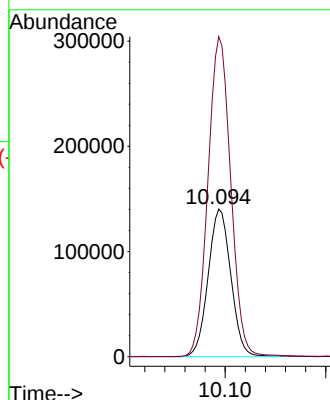
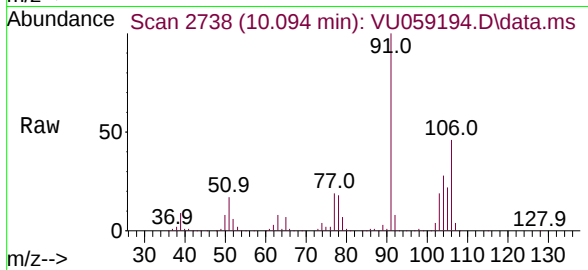




#54
o-Xylene
Concen: 55.935 ug/L
RT: 10.094 min Scan# 2738
Delta R.T. 0.000 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

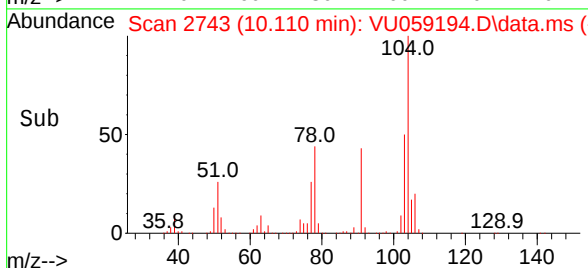
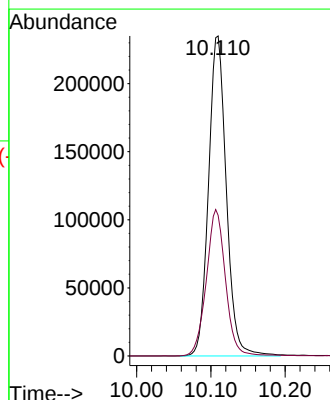
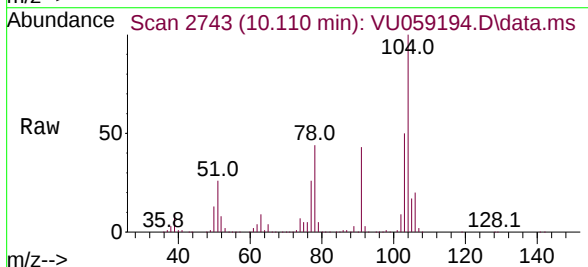
Instrument :
MSVOA_U
ClientSampleId :

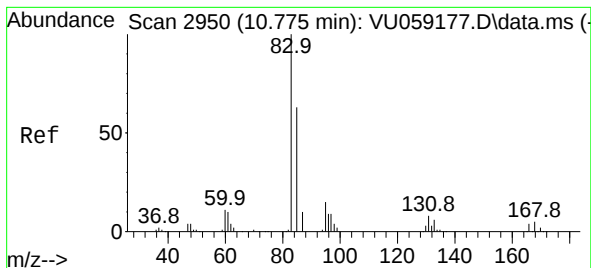
Tgt Ion:106 Resp: 220161
Ion Ratio Lower Upper
106 100
91 216.6 156.7 290.9



#55
Styrene
Concen: 58.483 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.000 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

Tgt Ion:104 Resp: 391276
Ion Ratio Lower Upper
104 100
78 43.9 34.7 64.5

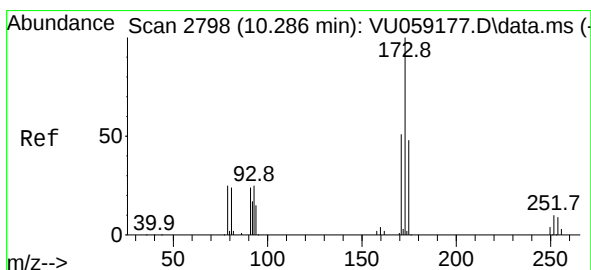
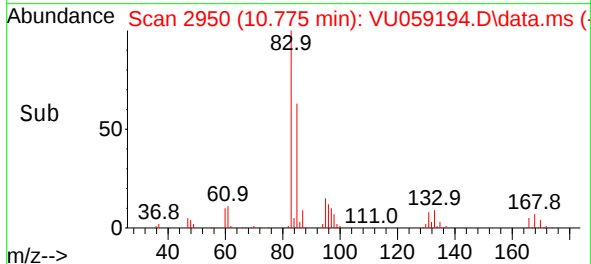
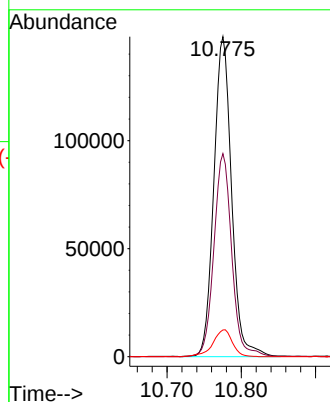
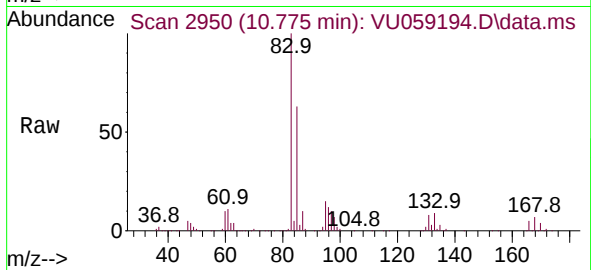




#57
1,1,2,2-Tetrachloroethane
Concen: 49.497 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

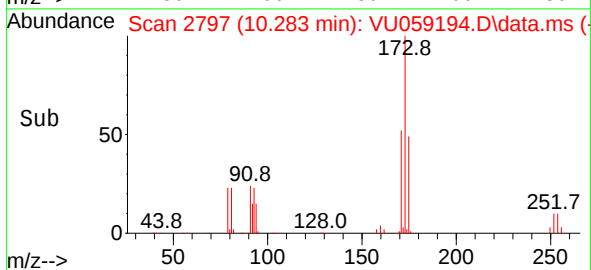
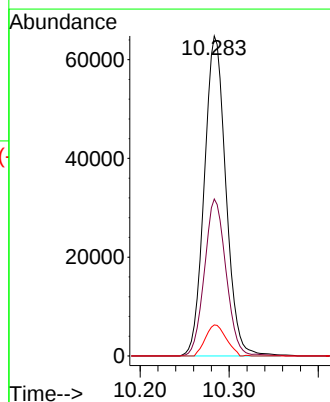
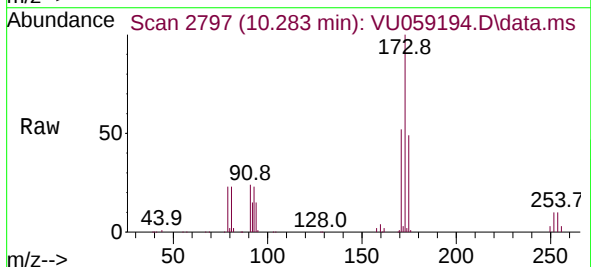
Instrument :
MSVOA_U
ClientSampleId :

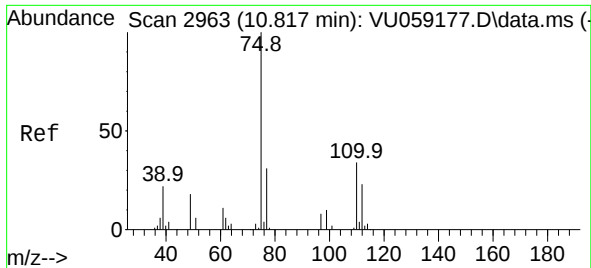
Tgt Ion: 83 Resp: 245824
Ion Ratio Lower Upper
83 100
85 63.5 46.1 85.7
131 8.4 7.0 10.4



#59
Bromoform
Concen: 52.508 ug/L
RT: 10.283 min Scan# 2797
Delta R.T. -0.003 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

Tgt Ion:173 Resp: 108943
Ion Ratio Lower Upper
173 100
175 48.8 39.0 58.6
254 9.3 7.5 11.3

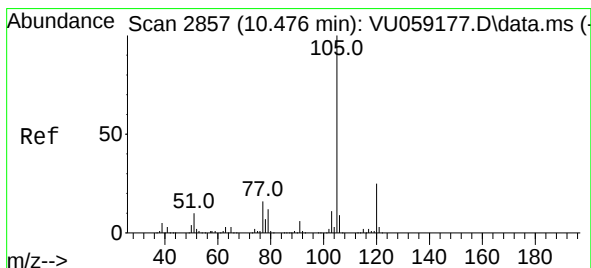
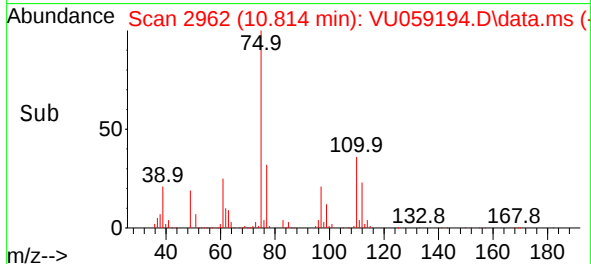
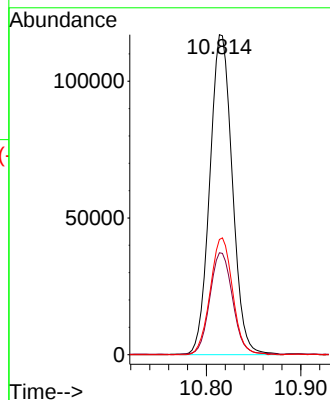
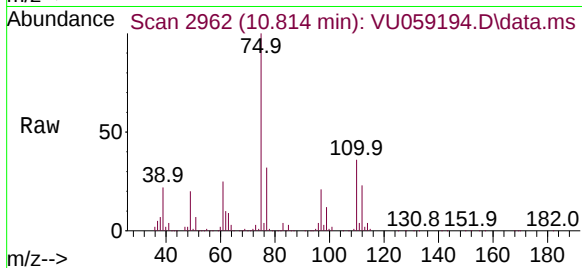




#60
1,2,3-Trichloropropane
Concen: 44.001 ug/L
RT: 10.814 min Scan# 2962
Delta R.T. -0.003 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

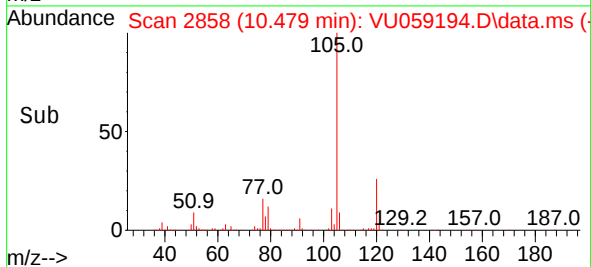
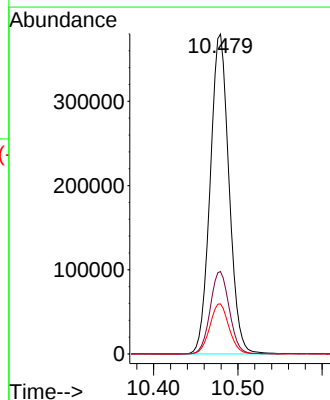
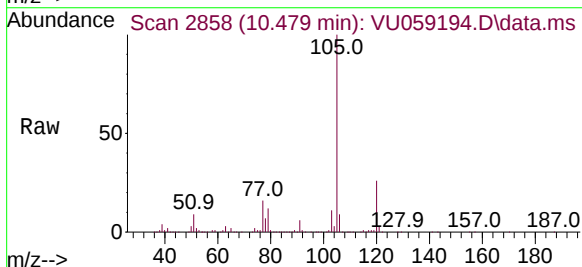
Instrument :
MSVOA_U
ClientSampleId :

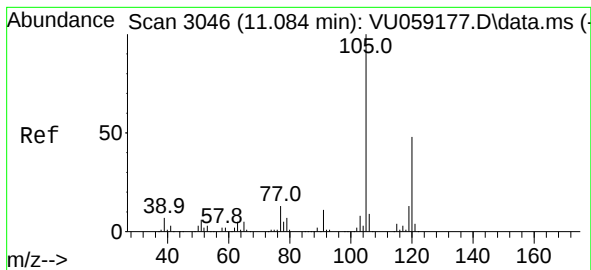
Tgt Ion: 75 Resp: 193626
Ion Ratio Lower Upper
75 100
77 32.6 26.2 39.2
110 36.3 28.4 42.6



#61
Isopropylbenzene
Concen: 52.989 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.003 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

Tgt Ion:105 Resp: 589920
Ion Ratio Lower Upper
105 100
120 26.2 20.3 30.5
77 16.0 13.4 20.0

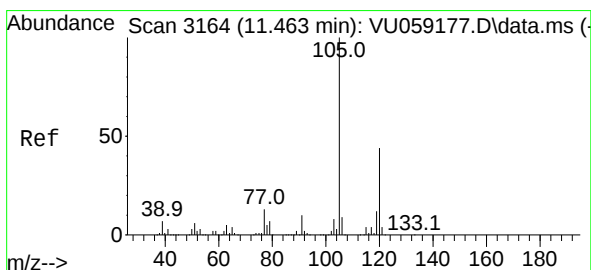
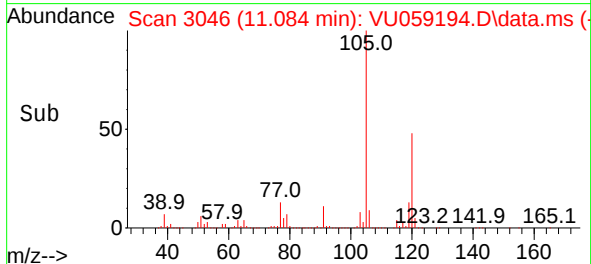
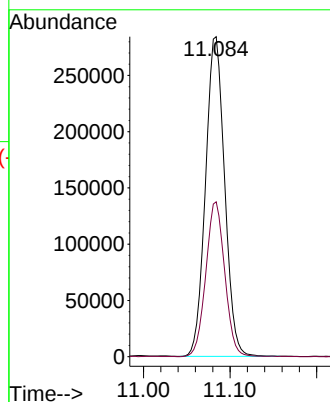
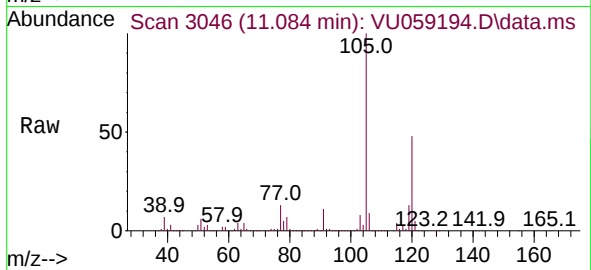




#62
1,3,5-Trimethylbenzene
Concen: 53.958 ug/L
RT: 11.084 min Scan# 3046
Delta R.T. 0.000 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

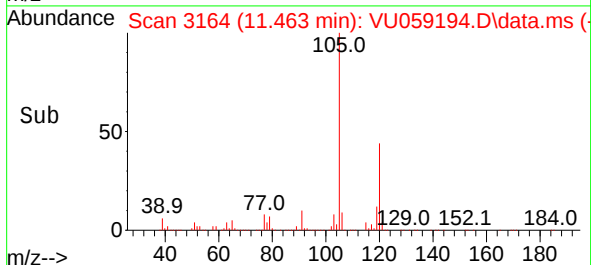
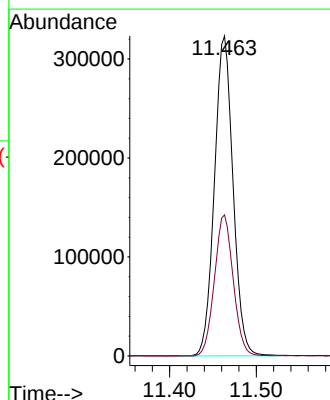
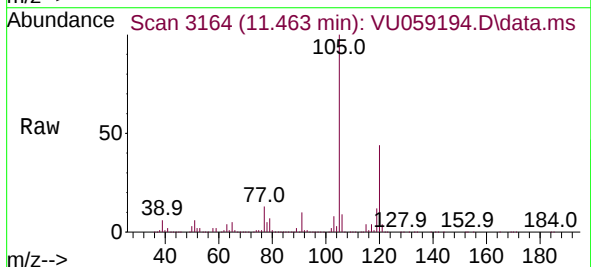
Instrument :
MSVOA_U
ClientSampleId :

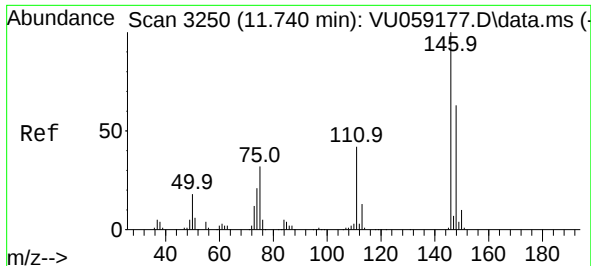
Tgt Ion:105 Resp: 435234
Ion Ratio Lower Upper
105 100
120 48.0 37.8 56.8



#63
1,2,4-Trimethylbenzene
Concen: 55.266 ug/L
RT: 11.463 min Scan# 3164
Delta R.T. 0.000 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

Tgt Ion:105 Resp: 483249
Ion Ratio Lower Upper
105 100
120 44.5 35.0 52.6





#64

1,3-Dichlorobenzene

Concen: 52.775 ug/L

RT: 11.740 min Scan# 3250

Delta R.T. 0.000 min

Lab File: VU059194.D

Acq: 07 Jun 2024 18:01

Instrument :

MSVOA_U

ClientSampleId :

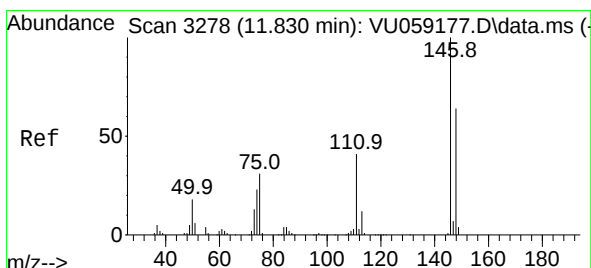
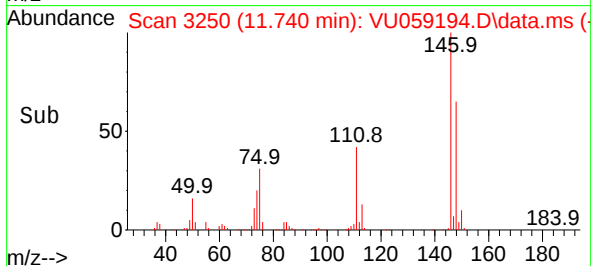
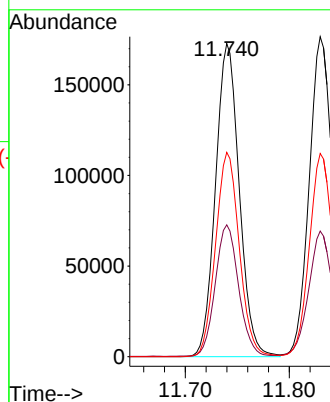
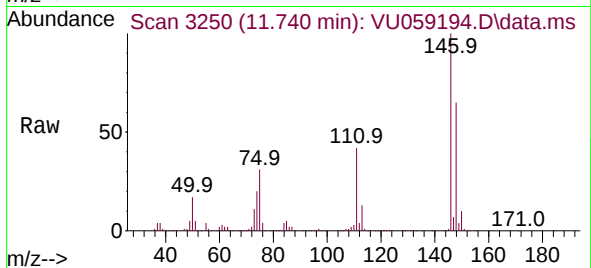
Tgt Ion:146 Resp: 274601

Ion Ratio Lower Upper

146 100

111 42.1 28.7 53.3

148 65.3 44.9 83.5



#65

1,4-Dichlorobenzene

Concen: 52.160 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VU059194.D

Acq: 07 Jun 2024 18:01

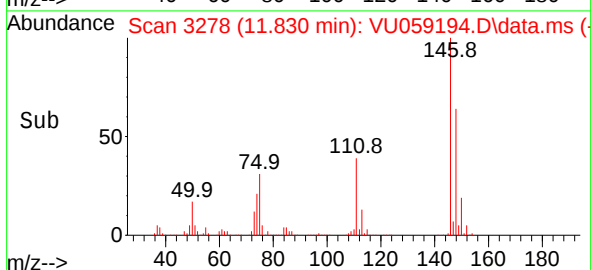
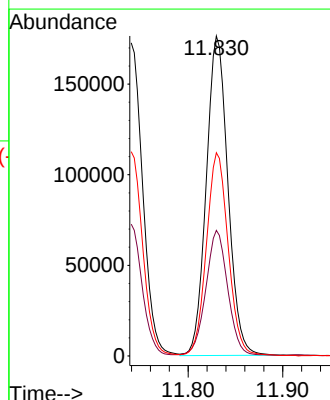
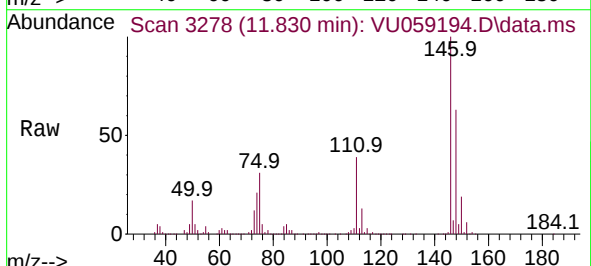
Tgt Ion:146 Resp: 280288

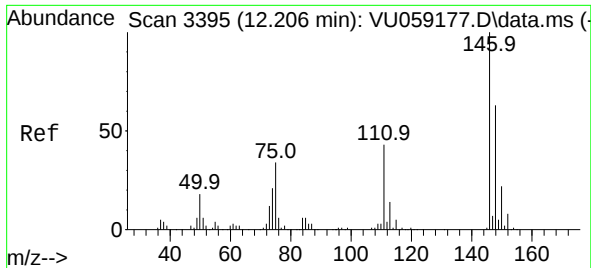
Ion Ratio Lower Upper

146 100

111 39.2 27.9 51.9

148 63.5 45.7 84.9





#67

1,2-Dichlorobenzene

Concen: 50.327 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

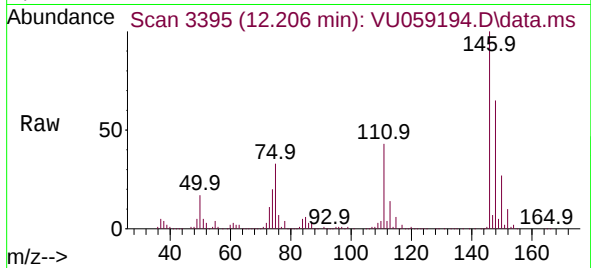
Lab File: VU059194.D

Acq: 07 Jun 2024 18:01

Instrument :

MSVOA_U

ClientSampleId :



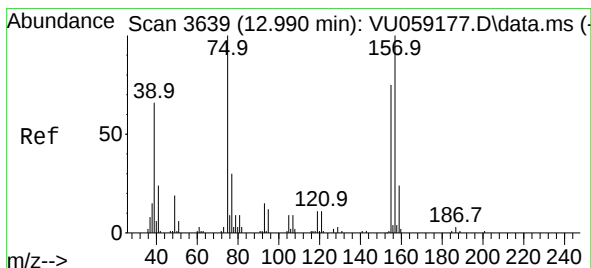
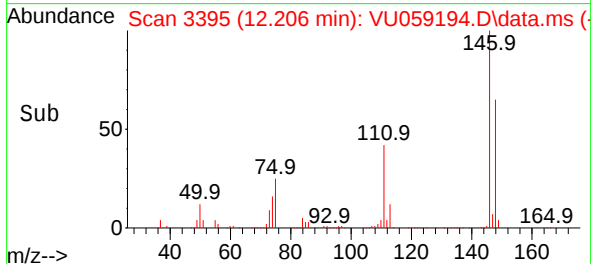
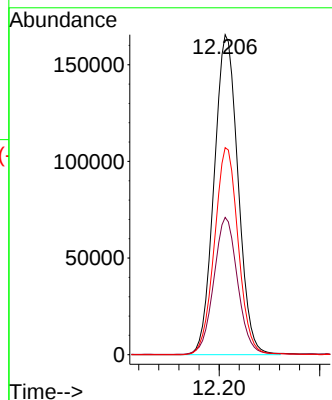
Tgt Ion:146 Resp: 273692

Ion Ratio Lower Upper

146 100

111 42.9 33.4 50.2

148 64.7 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 51.026 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU059194.D

Acq: 07 Jun 2024 18:01

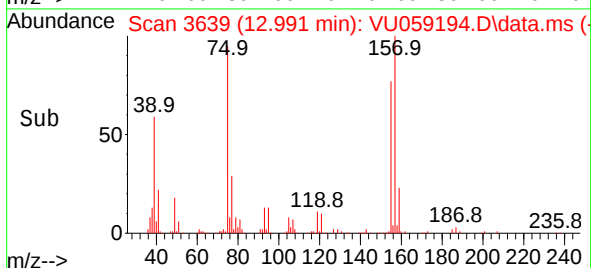
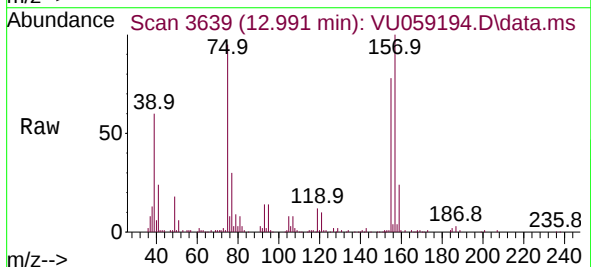
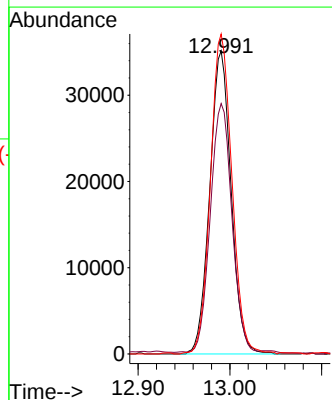
Tgt Ion: 75 Resp: 56924

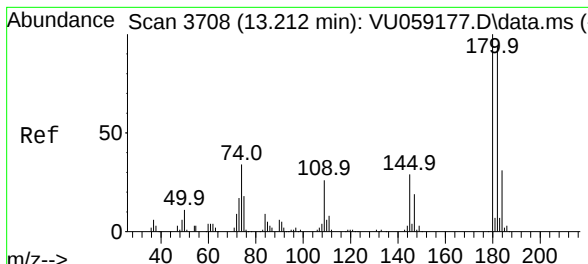
Ion Ratio Lower Upper

75 100

155 82.6 57.5 86.3

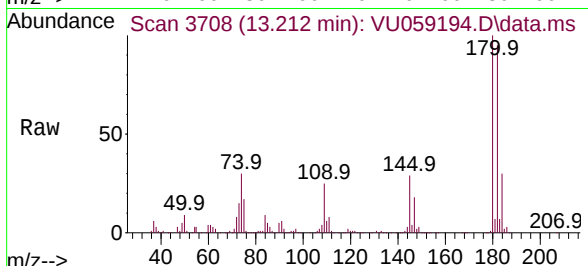
157 105.6 73.4 110.2



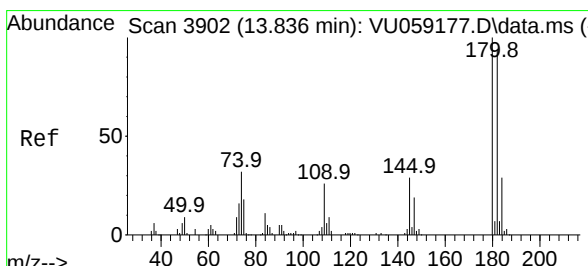
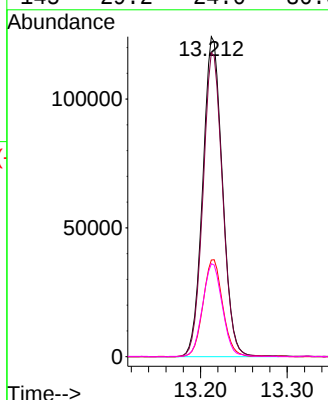
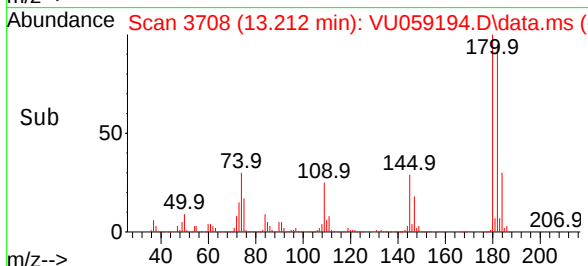


#69
 1,3,5-Trichlorobenzene
 Concen: 57.030 ug/L
 RT: 13.212 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU059194.D
 Acq: 07 Jun 2024 18:01

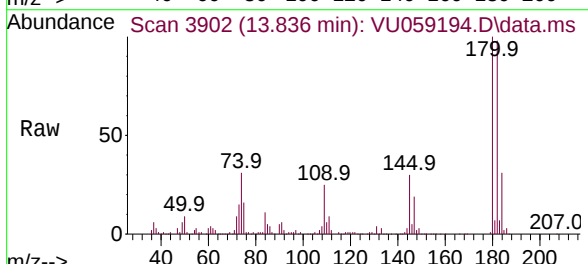
Instrument :
 MSVOA_U
 ClientSampleId :



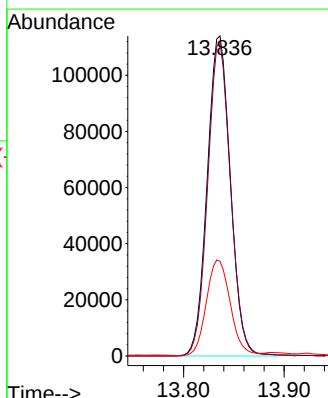
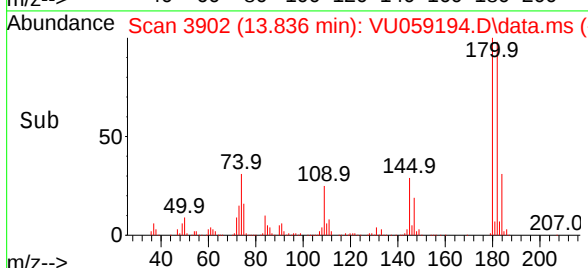
Tgt Ion:	180	Resp:	195974
Ion Ratio	Lower	Upper	
180	100		
182	94.6	75.6	113.4
184	30.3	24.2	36.2
145	29.2	24.0	36.0

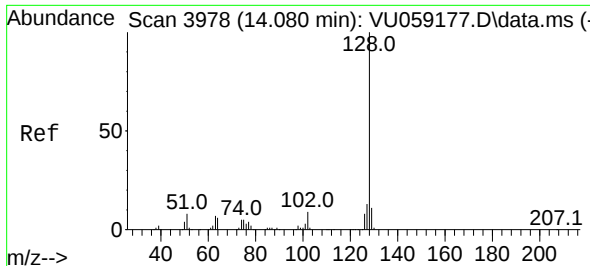


#70
 1,2,4-trichlorobenzene
 Concen: 66.546 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. 0.000 min
 Lab File: VU059194.D
 Acq: 07 Jun 2024 18:01



Tgt Ion:	180	Resp:	182640
Ion Ratio	Lower	Upper	
180	100		
182	96.5	77.4	116.2
145	31.2	24.8	37.2

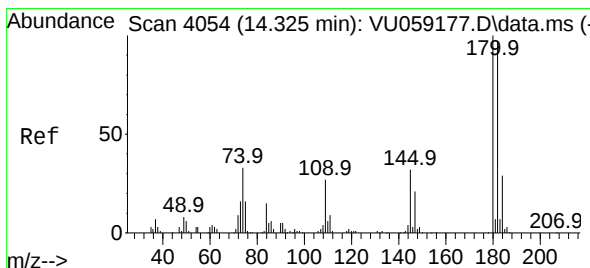
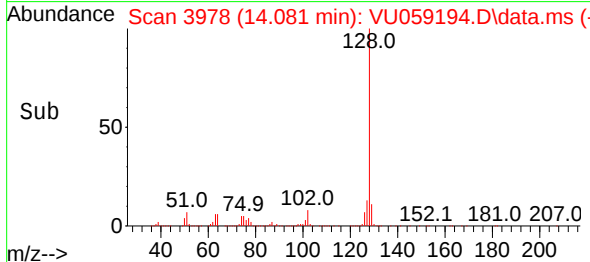
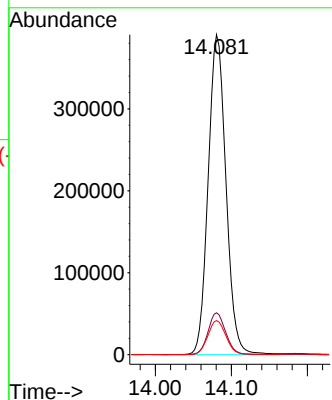
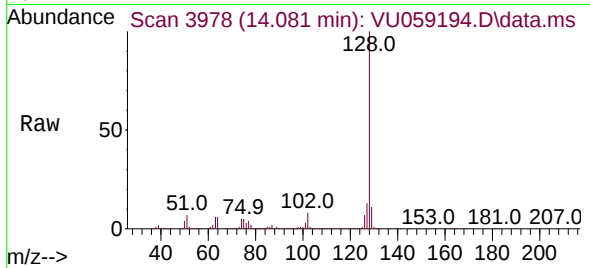




#71
Naphthalene
Concen: 73.117 ug/L
RT: 14.081 min Scan# 3978
Delta R.T. 0.000 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion:128 Resp: 635195
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.9 8.5 12.7



#72
1,2,3-Trichlorobenzene
Concen: 66.443 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.000 min
Lab File: VU059194.D
Acq: 07 Jun 2024 18:01

Tgt Ion:180 Resp: 185397
Ion Ratio Lower Upper
180 100
182 95.6 76.2 114.4
145 33.3 26.4 39.6

