

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070224\
 Data File : VU059724.D
 Acq On : 02 Jul 2024 08:24
 Operator : MD/SY
 Sample : VSTD005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 03 01:21:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 03 01:21:03 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	318749	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	309438	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	156662	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	9649	4.977	ug/L	0.00
7) Chloroethane-d5	1.911	69	8549	5.133	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	63	18173	4.847	ug/L	0.00
21) 2-Butanone-d5	4.640	46	10819	6.288	ug/L	0.03
24) Chloroform-d	5.058	84	18501	4.815	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.698	65	10936	4.692	ug/L	0.00
32) Benzene-d6	5.724	84	36010	4.930	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	11420	4.642	ug/L	0.00
41) Toluene-d8	7.894	98	33485	5.257	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.177	79	4926	4.837	ug/L	0.00
47) 2-Hexanone-d5	8.634	63	7218	6.469	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.749	84	17052	4.160	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.190	152	14096	5.735	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	11035	3.740	ug/L	97
3) Chloromethane	1.518	50	10556	3.126	ug/L	92
5) Vinyl chloride	1.602	62	12380	3.678	ug/L	95
6) Bromomethane	1.853	94	6013	2.362	ug/L	95
8) Chloroethane	1.930	64	7731	3.627	ug/L	98
9) Trichlorofluoromethane	2.136	101	17205	4.270	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.579	101	10947	4.618	ug/L	97
12) 1,1-Dichloroethene	2.576	96	10202	4.739	ug/L	92
13) Acetone	2.621	43	17275	8.752	ug/L	99
14) Carbon disulfide	2.788	76	26308	3.755	ug/L	97
15) Methyl Acetate	2.946	43	11194	3.600	ug/L	95
16) Methylene chloride	3.039	84	14176	4.886	ug/L	94
17) trans-1,2-Dichloroethene	3.348	96	10121	4.360	ug/L	98
18) Methyl tert-butyl Ether	3.357	73	33032	4.372	ug/L	98
19) 1,1-Dichloroethane	3.865	63	19691	4.027	ug/L	97
20) cis-1,2-Dichloroethene	4.663	96	12715	4.749	ug/L	99
22) 2-Butanone	4.708	43	17993	7.516	ug/L #	55
23) Bromochloromethane	4.971	128	6561	4.804	ug/L	95
25) Chloroform	5.081	83	21226	4.419	ug/L	94
27) 1,2-Dichloroethane	5.791	62	16444	4.135	ug/L	98
29) Cyclohexane	5.383	56	13964	3.651	ug/L	99
30) 1,1,1-Trichloroethane	5.306	97	17646	4.602	ug/L	96
31) Carbon tetrachloride	5.518	117	13914	4.451	ug/L	97
33) Benzene	5.772	78	44961	4.259	ug/L	100
34) Trichloroethene	6.541	95	11794	4.518	ug/L	96
35) Methylcyclohexane	6.756	83	15617	4.121	ug/L	98
37) 1,2-Dichloropropane	6.785	63	12240	4.106	ug/L #	95
38) Bromodichloromethane	7.103	83	14874	4.209	ug/L	98
39) cis-1,3-Dichloropropene	7.605	75	17136	4.093	ug/L	94
40) 4-Methyl-2-pentanone	7.788	43	27747	7.163	ug/L	97
42) Toluene	7.968	91	45194	4.220	ug/L	97
44) trans-1,3-Dichloropropene	8.209	75	15776	4.173	ug/L	98

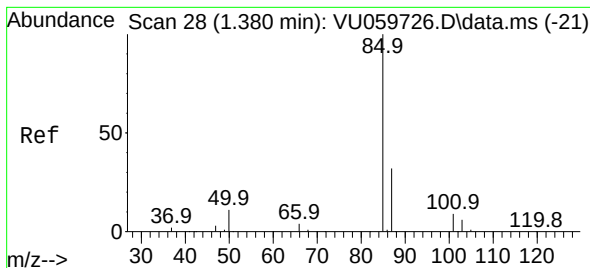
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070224\
 Data File : VU059724.D
 Acq On : 02 Jul 2024 08:24
 Operator : MD/SY
 Sample : VSTD005
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 03 01:21:34 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 03 01:21:03 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 1,1,2-Trichloroethane	8.396	97	12433	4.531	ug/L	97
46) Tetrachloroethene	8.550	164	10479	5.795	ug/L	95
49) Dibromochloromethane	8.804	129	12123	4.818	ug/L	92
50) 1,2-Dibromoethane	8.920	107	13162	4.627	ug/L	98
51) Chlorobenzene	9.441	112	31915	4.854	ug/L	97
52) Ethylbenzene	9.566	91	48156	4.347	ug/L	98
53) m,p-Xylene	9.692	106	18729	4.564	ug/L	87
54) o-Xylene	10.097	106	17299	4.343	ug/L	95
55) Styrene	10.113	104	26907	3.980	ug/L	92
57) 1,1,2,2-Tetrachloroethane	10.775	83	20852	4.199	ug/L	96
59) Bromoform	10.286	173	9855	4.867	ug/L #	96
60) 1,2,3-Trichloropropane	10.817	75	16699	4.088	ug/L	97
61) Isopropylbenzene	10.479	105	44323	4.202	ug/L	97
62) 1,3,5-Trimethylbenzene	11.084	105	31459	4.116	ug/L	96
63) 1,2,4-Trimethylbenzene	11.463	105	32050	3.893	ug/L	99
64) 1,3-Dichlorobenzene	11.743	146	24475	4.862	ug/L	94
65) 1,4-Dichlorobenzene	11.833	146	26482	5.098	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	25751	4.939	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.994	75	4146	4.000	ug/L	87
69) 1,3,5-Trichlorobenzene	13.216	180	17438	5.191	ug/L	97
70) 1,2,4-trichlorobenzene	13.836	180	15252	5.549	ug/L	98
71) Naphthalene	14.084	128	37049	4.258	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	15057	5.405	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 3.740 ug/L

RT: 1.383 min Scan# 28

Delta R.T. 0.003 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

Instrument :

MSVOA_U

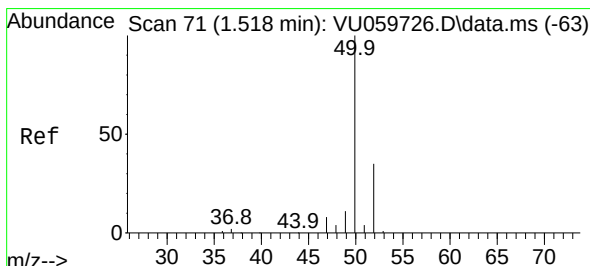
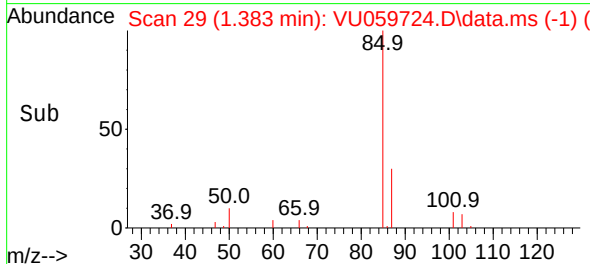
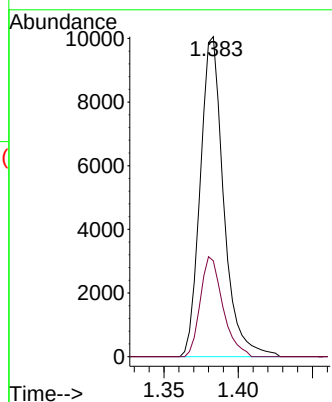
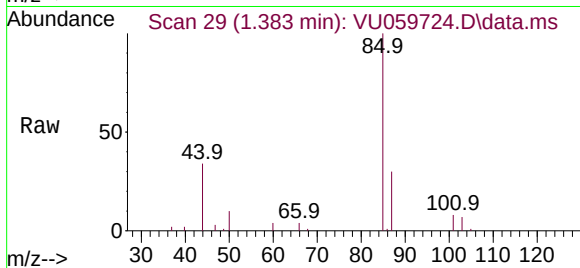
ClientSampleId :

Tgt Ion: 85 Resp: 11035

Ion Ratio Lower Upper

85 100

87 30.1 25.4 38.2



#3

Chloromethane

Concen: 3.126 ug/L

RT: 1.518 min Scan# 71

Delta R.T. -0.000 min

Lab File: VU059724.D

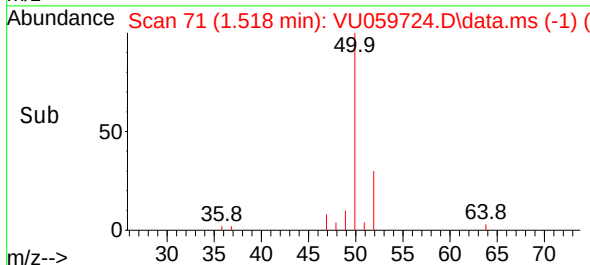
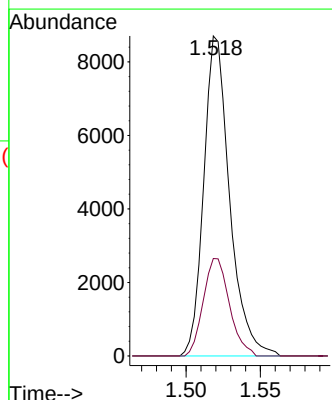
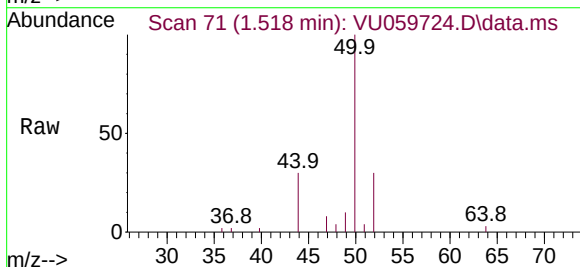
Acq: 02 Jul 2024 08:24

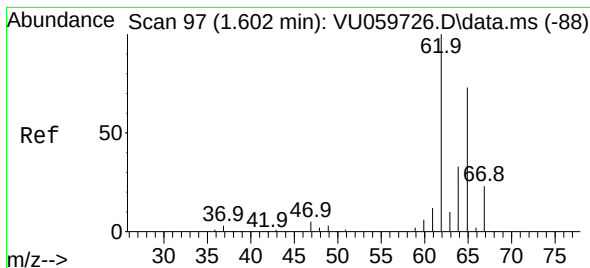
Tgt Ion: 50 Resp: 10556

Ion Ratio Lower Upper

50 100

52 30.5 24.5 45.5





#5

Vinyl chloride

Concen: 3.678 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

Instrument :

MSVOA_U

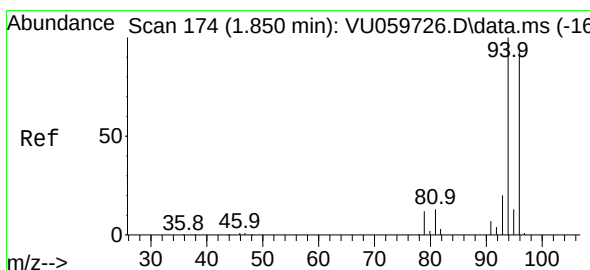
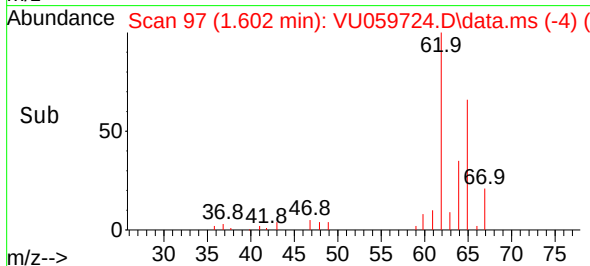
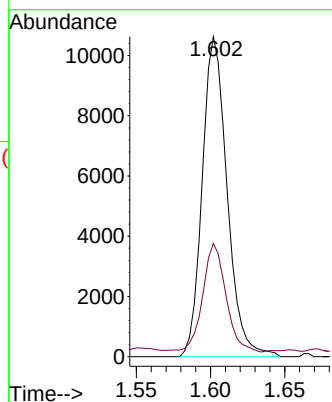
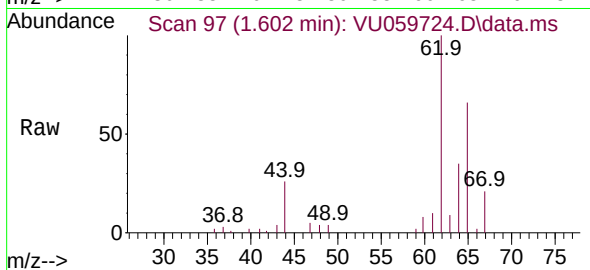
ClientSampleId :

Tgt Ion: 62 Resp: 12380

Ion Ratio Lower Upper

62 100

64 35.4 22.9 42.5



#6

Bromomethane

Concen: 2.362 ug/L

RT: 1.853 min Scan# 175

Delta R.T. 0.003 min

Lab File: VU059724.D

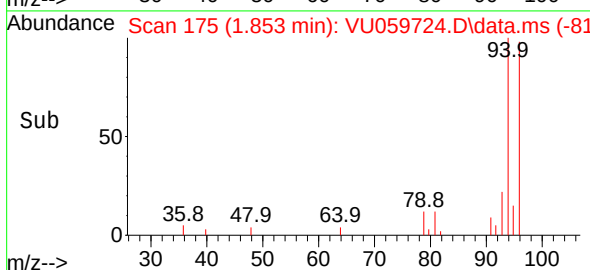
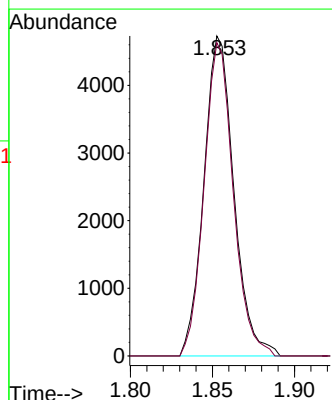
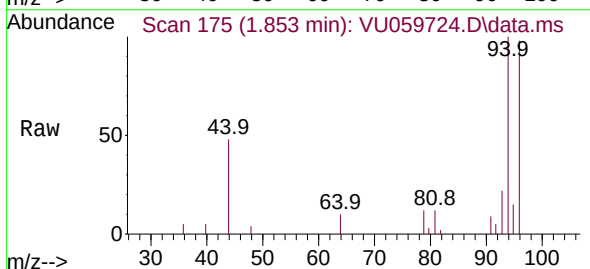
Acq: 02 Jul 2024 08:24

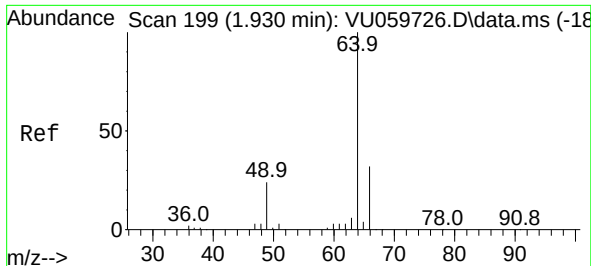
Tgt Ion: 94 Resp: 6013

Ion Ratio Lower Upper

94 100

96 97.9 65.2 121.2

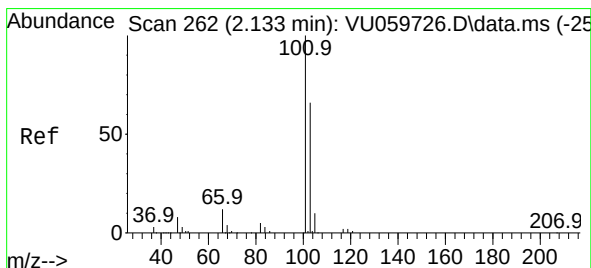
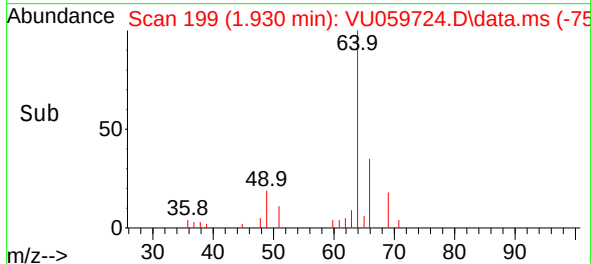
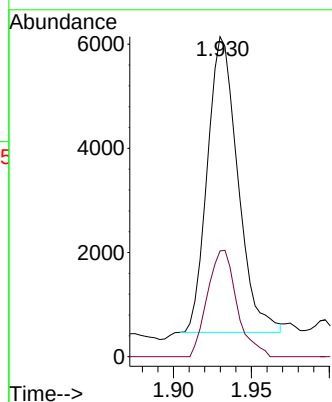
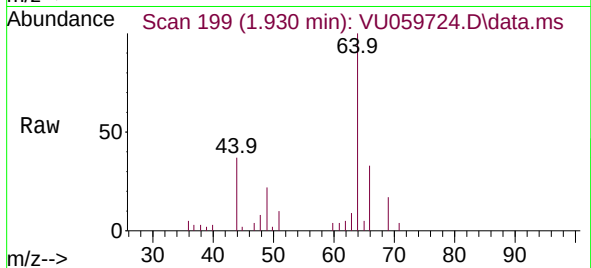




#8
Chloroethane
Concen: 3.627 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU059724.D
Acq: 02 Jul 2024 08:24

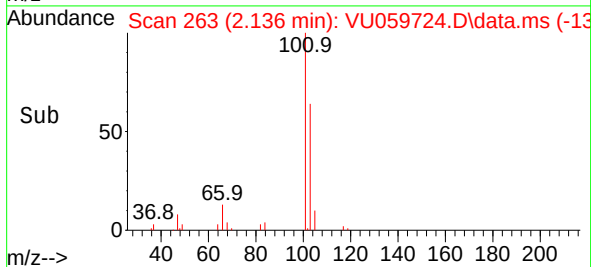
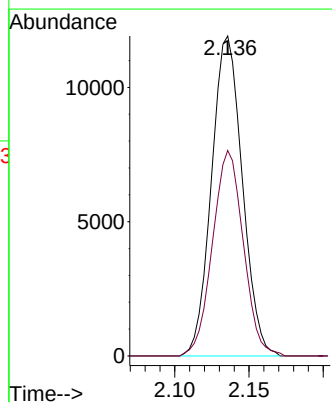
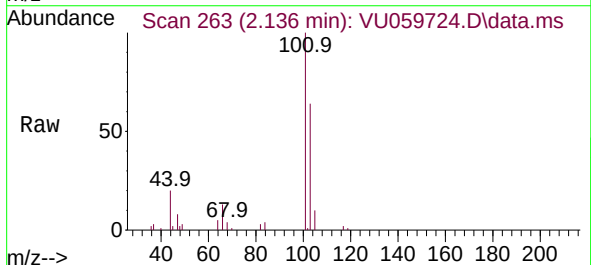
Instrument :
MSVOA_U
ClientSampleId :

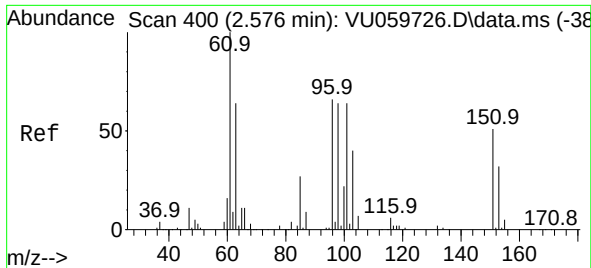
Tgt Ion: 64 Resp: 7731
Ion Ratio Lower Upper
64 100
66 33.0 22.3 41.3



#9
Trichlorofluoromethane
Concen: 4.270 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.003 min
Lab File: VU059724.D
Acq: 02 Jul 2024 08:24

Tgt Ion:101 Resp: 17205
Ion Ratio Lower Upper
101 100
103 64.2 52.3 78.5

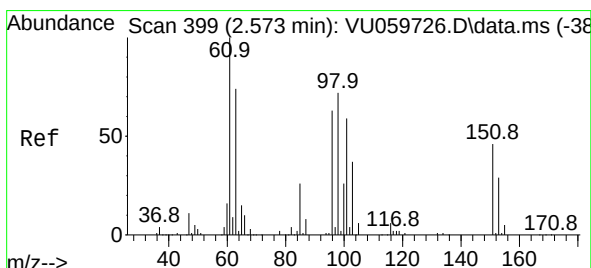
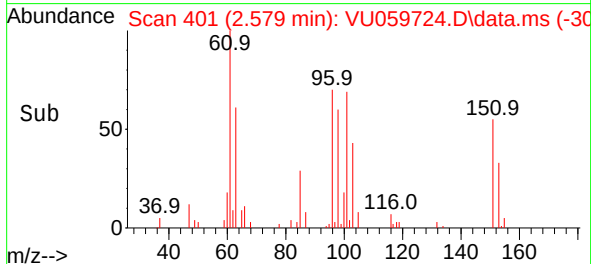
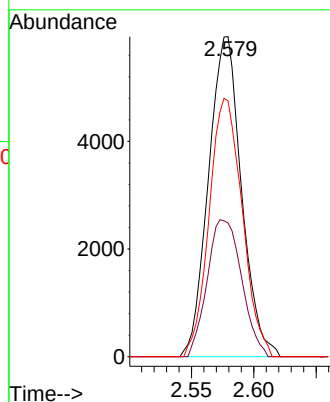
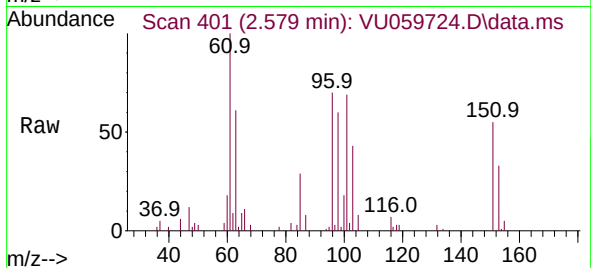




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 4.618 ug/L
 RT: 2.579 min Scan# 401
 Delta R.T. 0.003 min
 Lab File: VU059724.D
 Acq: 02 Jul 2024 08:24

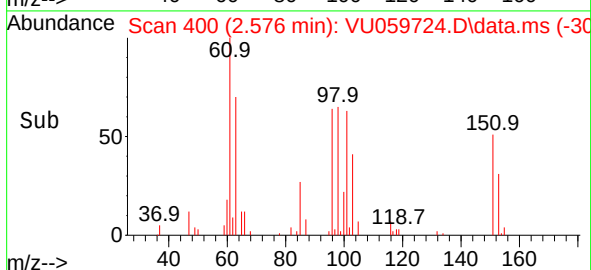
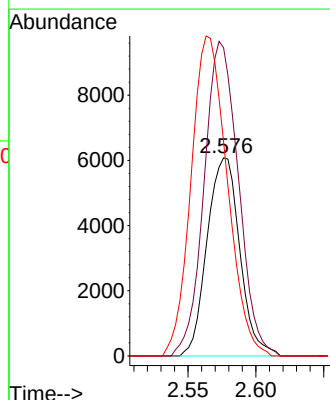
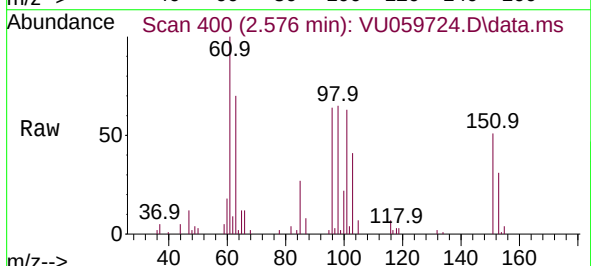
Instrument :
 MSVOA_U
 ClientSampleId :

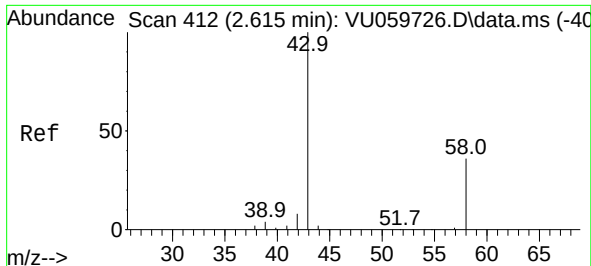
Tgt Ion:101 Resp: 10947
 Ion Ratio Lower Upper
 101 100
 85 44.6 34.8 52.2
 151 80.9 62.3 93.5



#12
 1,1-Dichloroethene
 Concen: 4.739 ug/L
 RT: 2.576 min Scan# 400
 Delta R.T. 0.003 min
 Lab File: VU059724.D
 Acq: 02 Jul 2024 08:24

Tgt Ion: 96 Resp: 10202
 Ion Ratio Lower Upper
 96 100
 61 155.7 112.2 208.4
 63 108.3 87.4 162.2





#13

Acetone

Concen: 8.752 ug/L

RT: 2.621 min Scan# 412

Delta R.T. 0.006 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

Instrument :

MSVOA_U

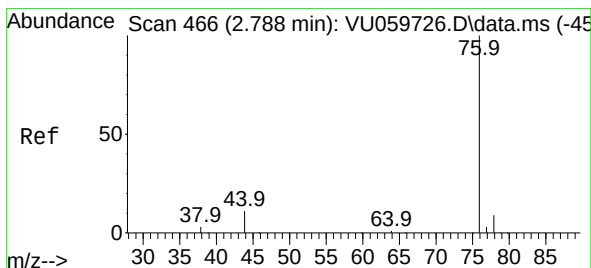
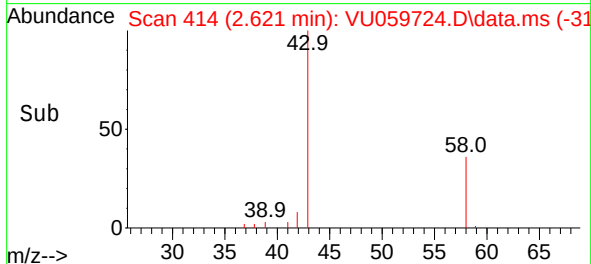
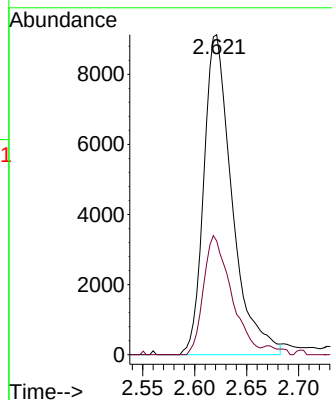
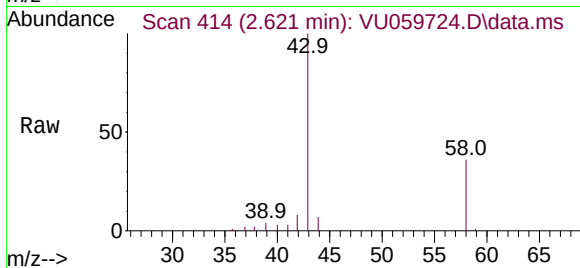
ClientSampleId :

Tgt Ion: 43 Resp: 17275

Ion Ratio Lower Upper

43 100

58 36.3 0.0 73.8



#14

Carbon disulfide

Concen: 3.755 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU059724.D

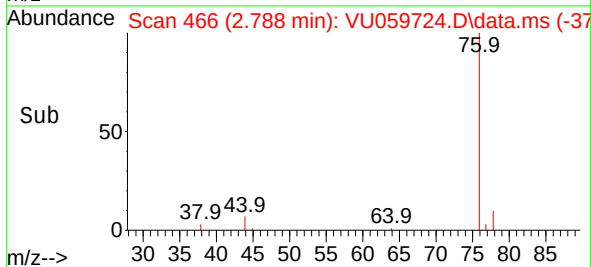
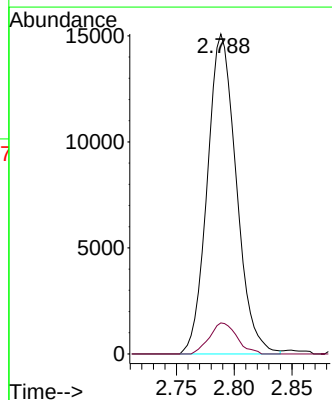
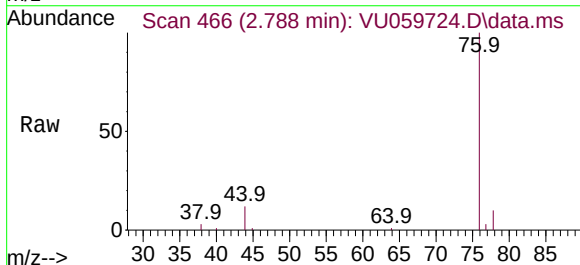
Acq: 02 Jul 2024 08:24

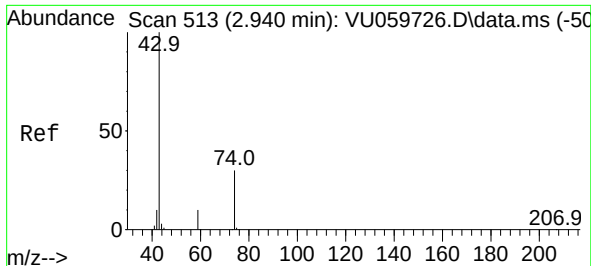
Tgt Ion: 76 Resp: 26308

Ion Ratio Lower Upper

76 100

78 9.7 7.0 10.4





#15

Methyl Acetate

Concen: 3.600 ug/L

RT: 2.946 min Scan# 513

Delta R.T. 0.006 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

Instrument :

MSVOA_U

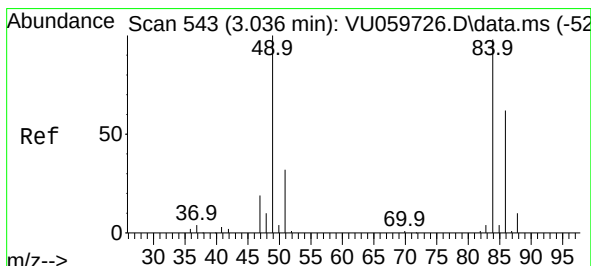
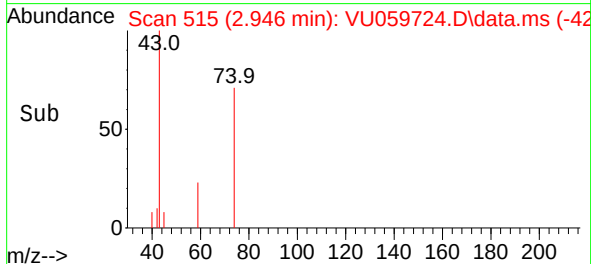
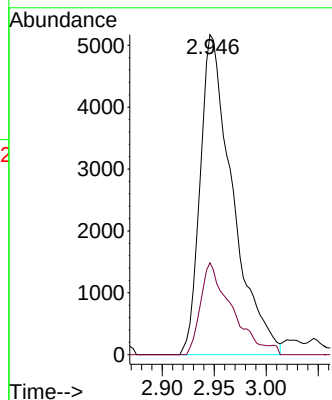
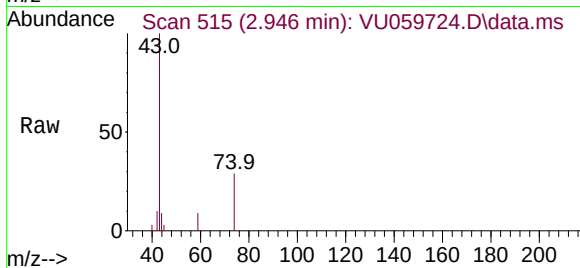
ClientSampleId :

Tgt Ion: 43 Resp: 11194

Ion Ratio Lower Upper

43 100

74 27.2 24.1 36.1



#16

Methylene chloride

Concen: 4.886 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.003 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

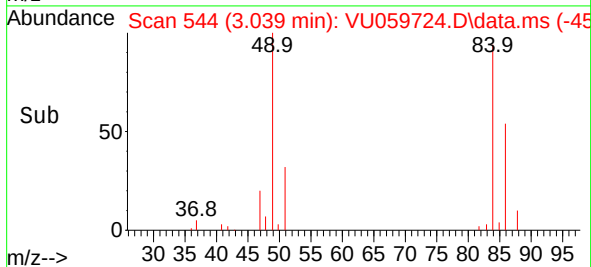
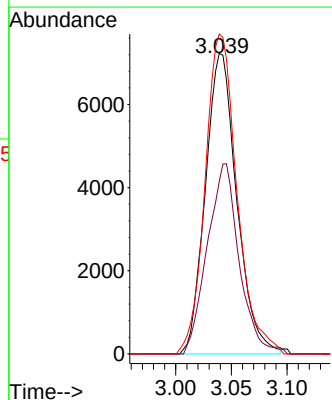
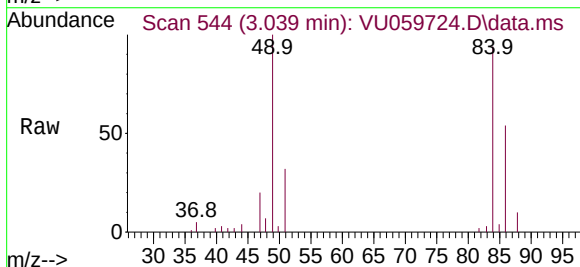
Tgt Ion: 84 Resp: 14176

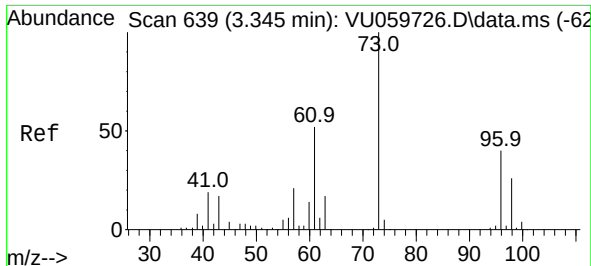
Ion Ratio Lower Upper

84 100

86 57.3 44.7 83.1

49 106.5 71.6 133.0

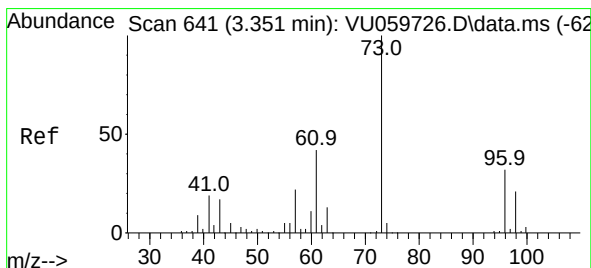
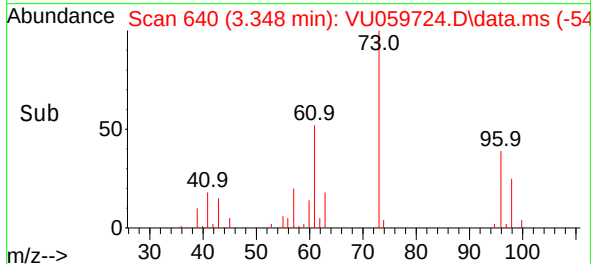
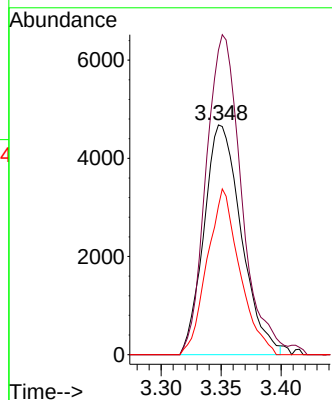
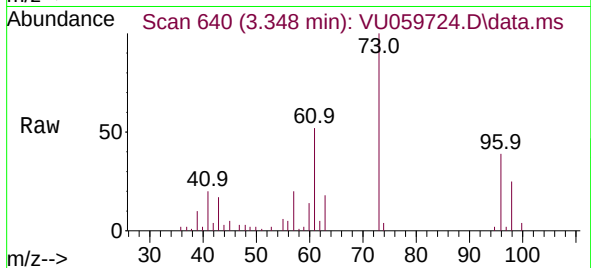




#17
trans-1,2-Dichloroethene
Concen: 4.360 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.003 min
Lab File: VU059724.D
Acq: 02 Jul 2024 08:24

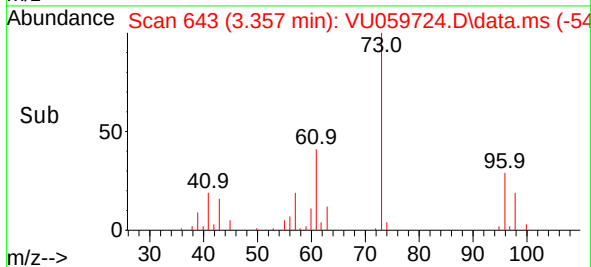
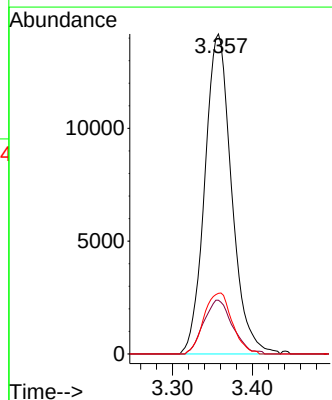
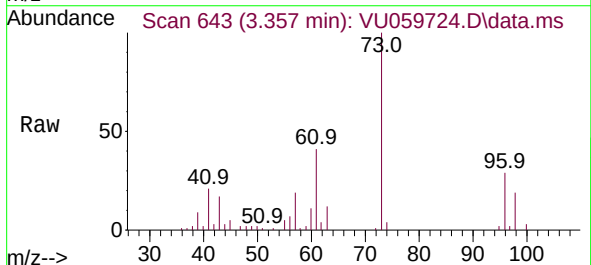
Instrument :
MSVOA_U
ClientSampleId :

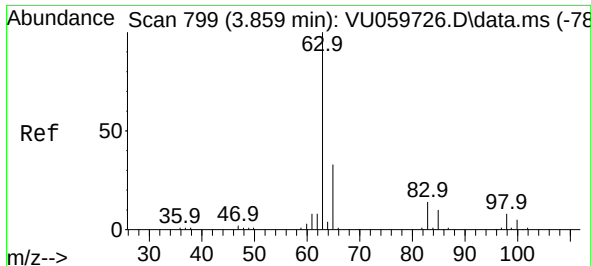
Tgt Ion: 96 Resp: 10121
Ion Ratio Lower Upper
96 100
61 132.5 90.6 168.3
98 64.7 44.9 83.3



#18
Methyl tert-butyl Ether
Concen: 4.372 ug/L
RT: 3.357 min Scan# 643
Delta R.T. 0.006 min
Lab File: VU059724.D
Acq: 02 Jul 2024 08:24

Tgt Ion: 73 Resp: 33032
Ion Ratio Lower Upper
73 100
43 18.2 14.1 21.1
57 20.0 17.1 25.7





#19

1,1-Dichloroethane

Concen: 4.027 ug/L

RT: 3.865 min Scan# 801

Delta R.T. 0.006 min

Lab File: VU059724.D

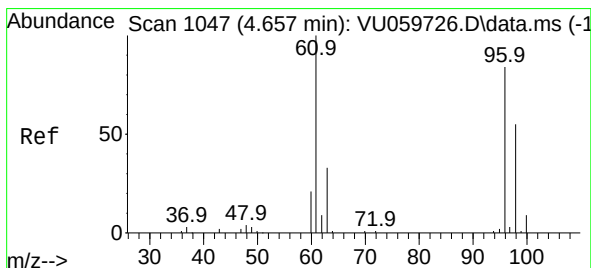
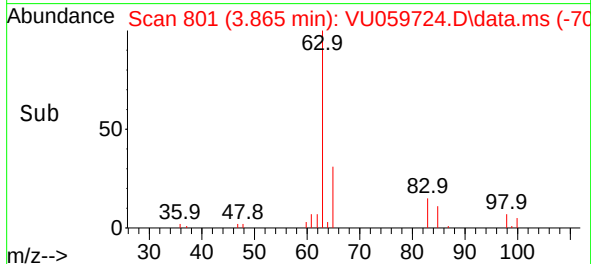
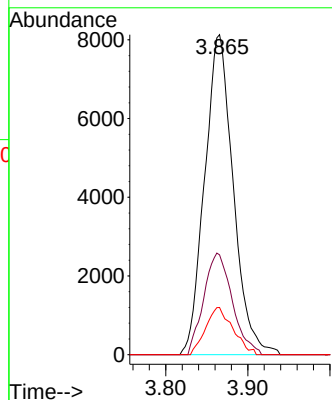
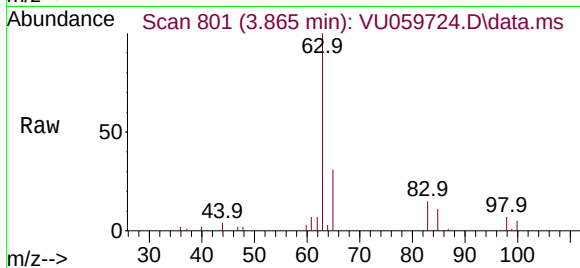
Acq: 02 Jul 2024 08:24

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 63	Resp: 19691
Ion Ratio	Lower Upper
63	100
65	31.2 23.3 43.3
83	14.7 9.8 18.2



#20

cis-1,2-Dichloroethene

Concen: 4.749 ug/L

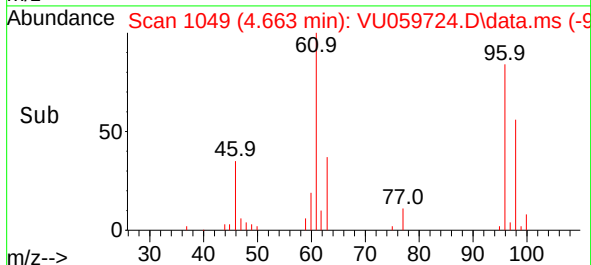
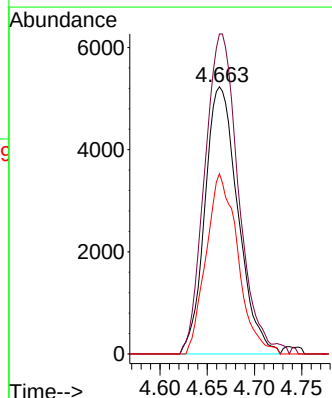
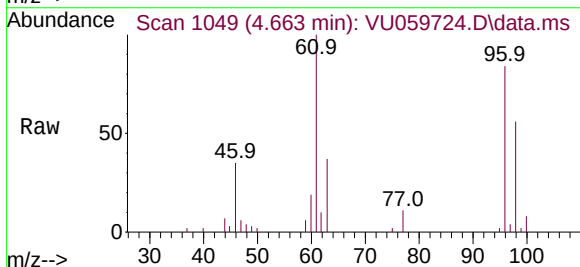
RT: 4.663 min Scan# 1049

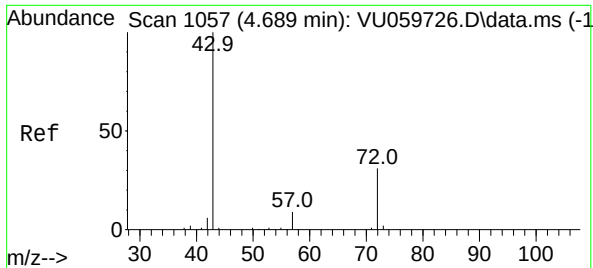
Delta R.T. 0.006 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

Tgt Ion: 96	Resp: 12715
Ion Ratio	Lower Upper
96	100
61	119.7 83.2 154.4
98	67.4 45.9 85.3

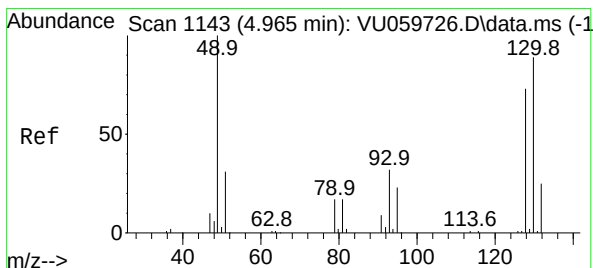
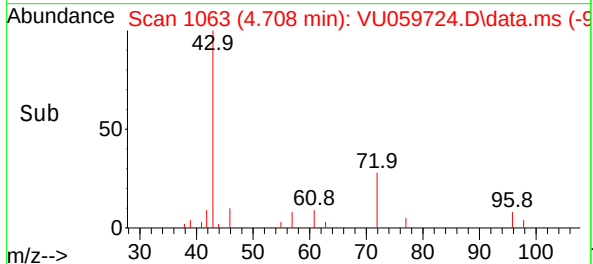
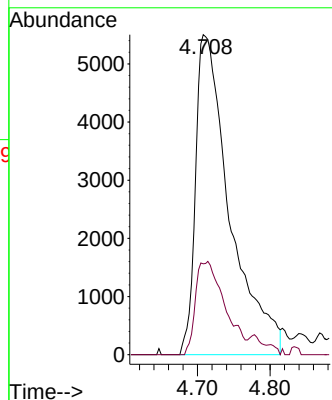
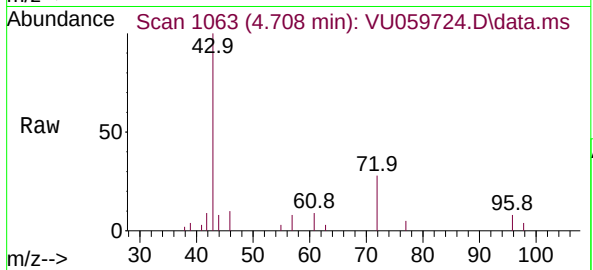




#22
2-Butanone
Concen: 7.516 ug/L
RT: 4.708 min Scan# 1063
Delta R.T. 0.019 min
Lab File: VU059724.D
Acq: 02 Jul 2024 08:24

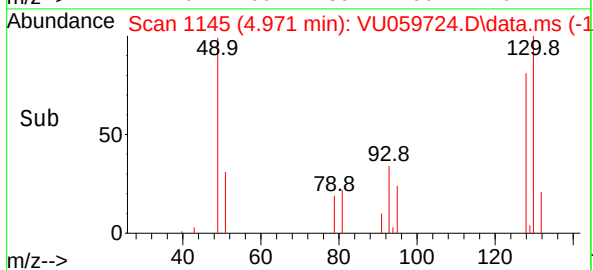
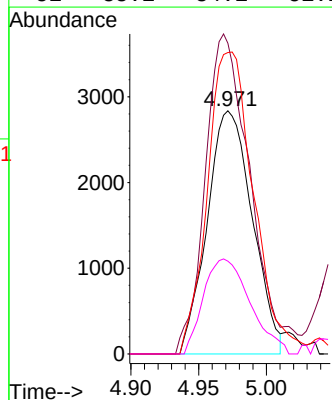
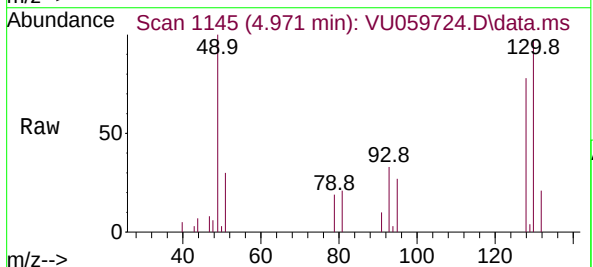
Instrument :
MSVOA_U
ClientSampleId :

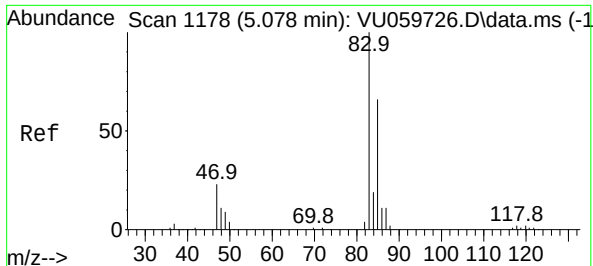
Tgt Ion: 43 Resp: 17993
Ion Ratio Lower Upper
43 100
72 7.6 16.4 49.2#



#23
Bromochloromethane
Concen: 4.804 ug/L
RT: 4.971 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VU059724.D
Acq: 02 Jul 2024 08:24

Tgt Ion:128 Resp: 6561
Ion Ratio Lower Upper
128 100
49 127.7 96.7 179.7
130 123.9 86.3 160.3
51 38.1 34.1 51.1

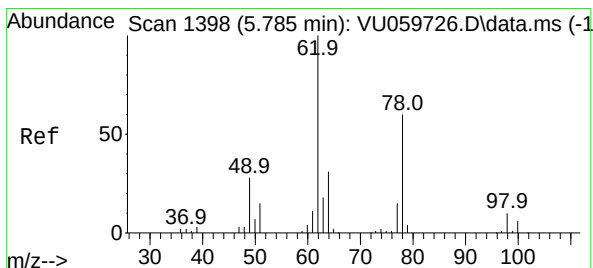
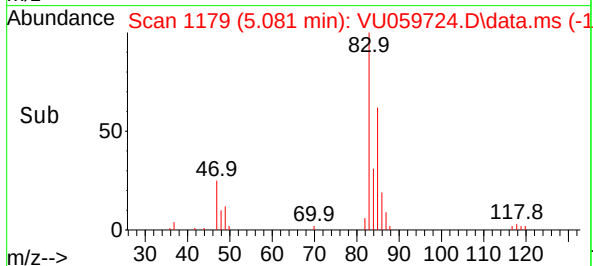
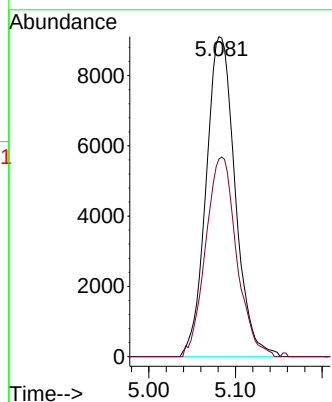
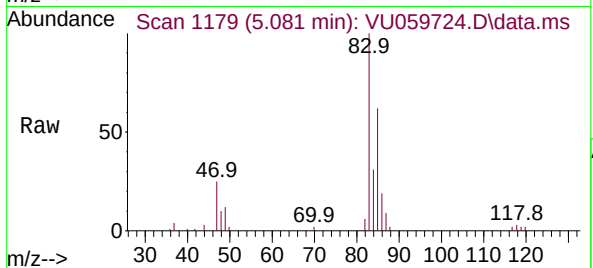




#25
Chloroform
Concen: 4.419 ug/L
RT: 5.081 min Scan# 1178
Delta R.T. 0.003 min
Lab File: VU059724.D
Acq: 02 Jul 2024 08:24

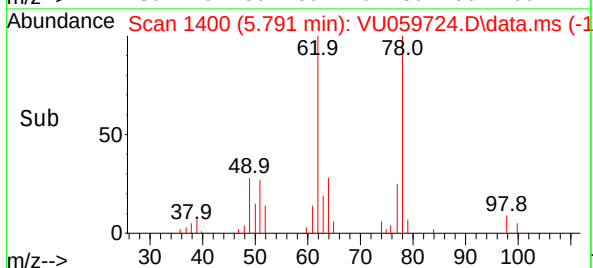
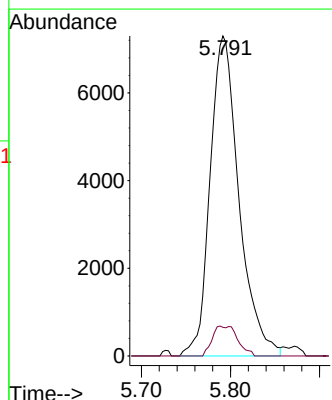
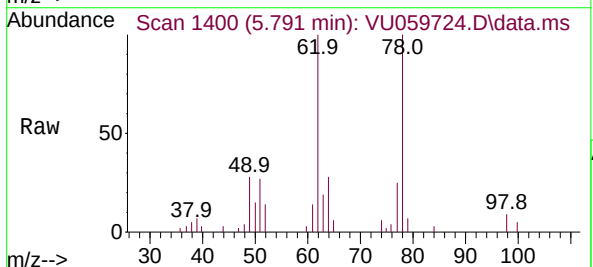
Instrument :
MSVOA_U
ClientSampleId :

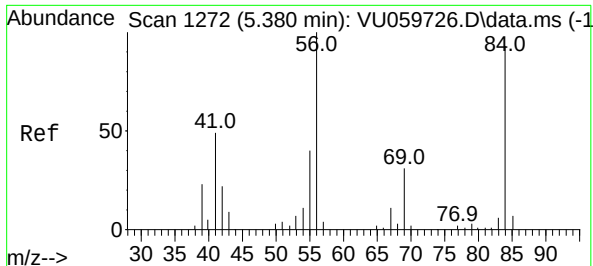
Tgt Ion: 83 Resp: 21226
Ion Ratio Lower Upper
83 100
85 61.8 46.7 86.7



#27
1,2-Dichloroethane
Concen: 4.135 ug/L
RT: 5.791 min Scan# 1400
Delta R.T. 0.006 min
Lab File: VU059724.D
Acq: 02 Jul 2024 08:24

Tgt Ion: 62 Resp: 16444
Ion Ratio Lower Upper
62 100
98 8.9 7.8 11.8





#29

Cyclohexane

Concen: 3.651 ug/L

RT: 5.383 min Scan# 1272

Delta R.T. 0.003 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

Instrument :

MSVOA_U

ClientSampleId :

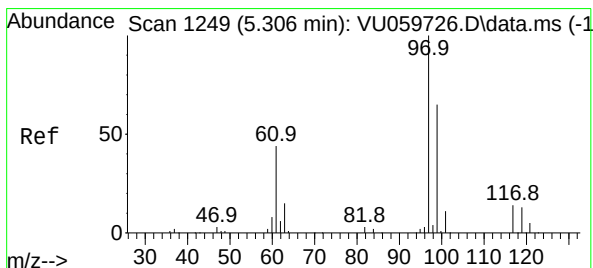
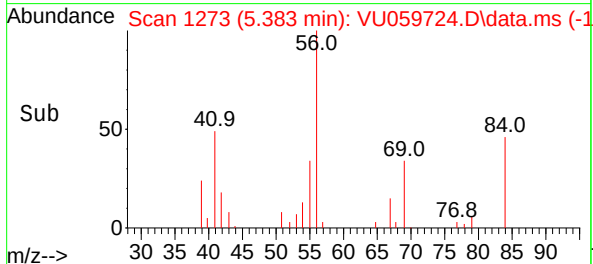
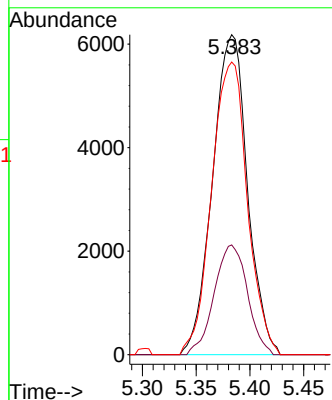
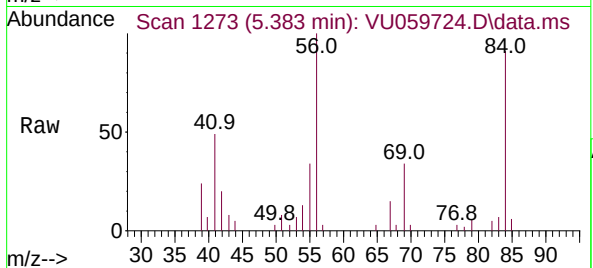
Tgt Ion: 56 Resp: 13964

Ion Ratio Lower Upper

56 100

69 32.6 26.0 39.0

84 93.7 75.5 113.3



#30

1,1,1-Trichloroethane

Concen: 4.602 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. -0.000 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

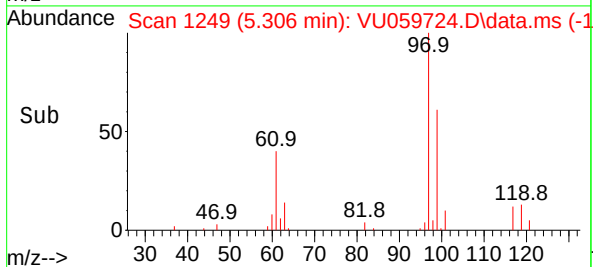
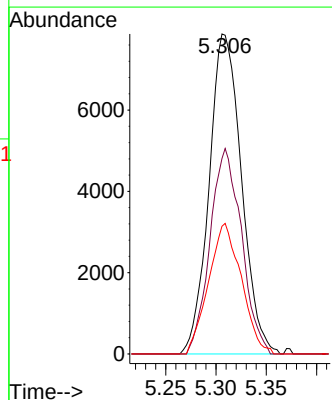
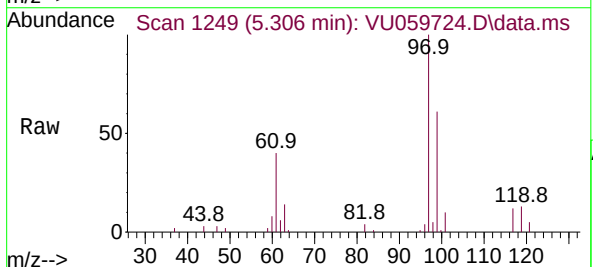
Tgt Ion: 97 Resp: 17646

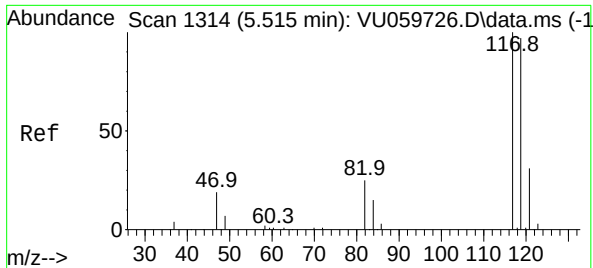
Ion Ratio Lower Upper

97 100

99 62.3 52.2 78.2

61 41.3 35.2 52.8

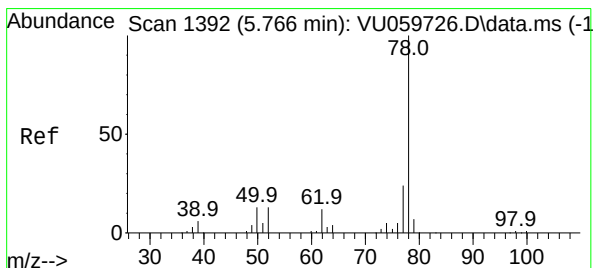
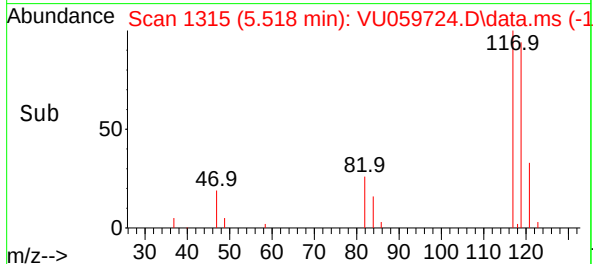
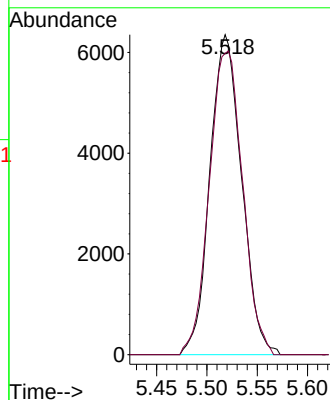
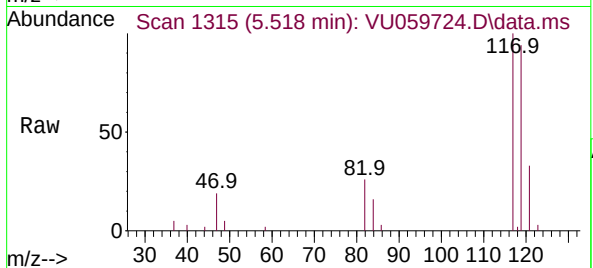




#31
Carbon tetrachloride
Concen: 4.451 ug/L
RT: 5.518 min Scan# 1314
Delta R.T. 0.003 min
Lab File: VU059724.D
Acq: 02 Jul 2024 08:24

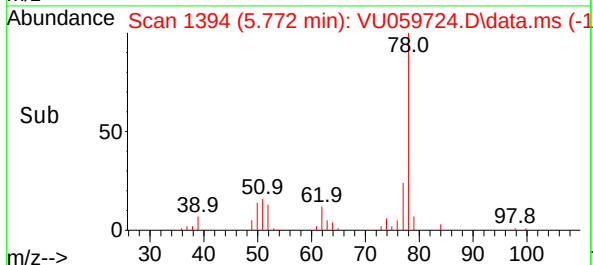
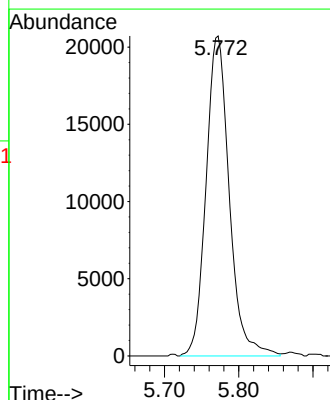
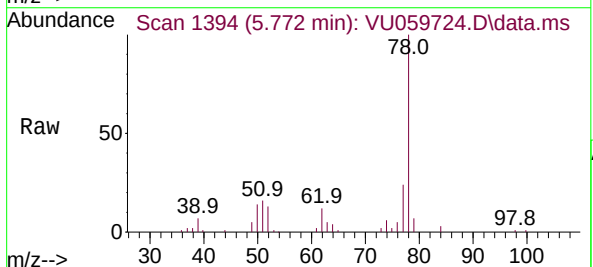
Instrument :
MSVOA_U
ClientSampleId :

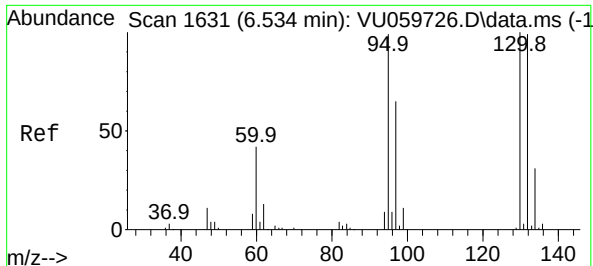
Tgt Ion:117 Resp: 13914
Ion Ratio Lower Upper
117 100
119 99.7 77.6 116.4



#33
Benzene
Concen: 4.259 ug/L
RT: 5.772 min Scan# 1394
Delta R.T. 0.006 min
Lab File: VU059724.D
Acq: 02 Jul 2024 08:24

Tgt Ion: 78 Resp: 44961





#34

Trichloroethene

Concen: 4.518 ug/L

RT: 6.541 min Scan# 1

Delta R.T. 0.006 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 11794

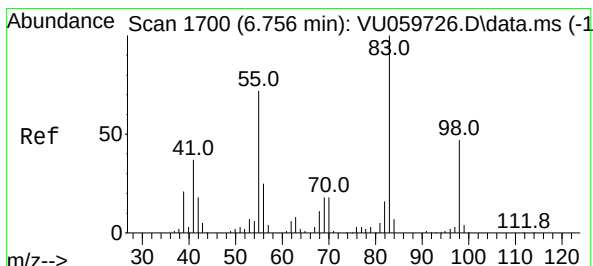
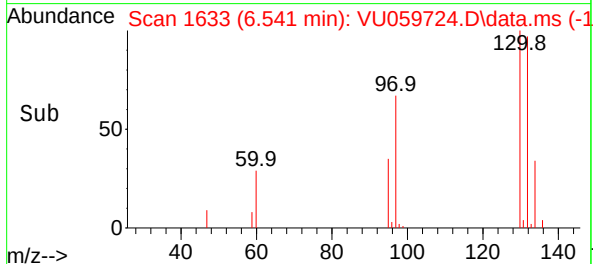
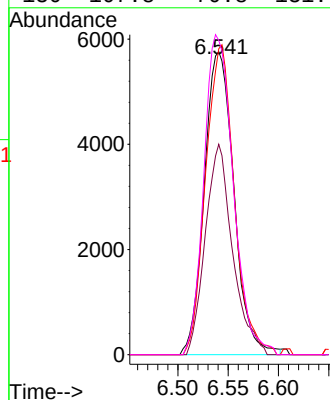
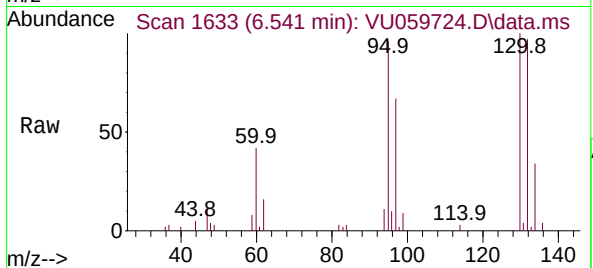
Ion Ratio Lower Upper

95 100

97 69.4 45.8 85.2

132 101.0 69.8 129.6

130 107.8 70.8 131.6



#35

Methylcyclohexane

Concen: 4.121 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

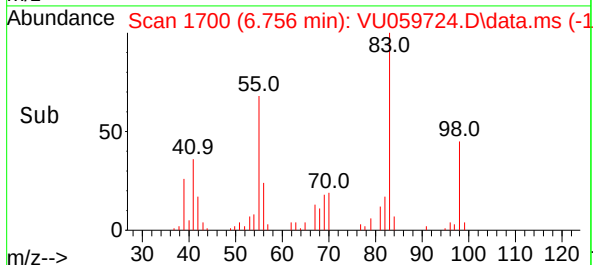
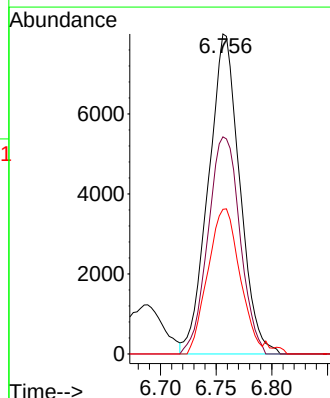
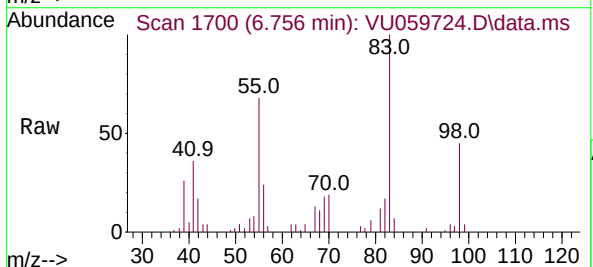
Tgt Ion: 83 Resp: 15617

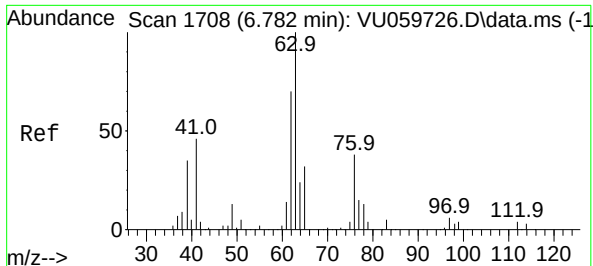
Ion Ratio Lower Upper

83 100

55 69.4 56.8 85.2

98 46.5 36.5 54.7





#37

1,2-Dichloropropane

Concen: 4.106 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

Instrument :

MSVOA_U

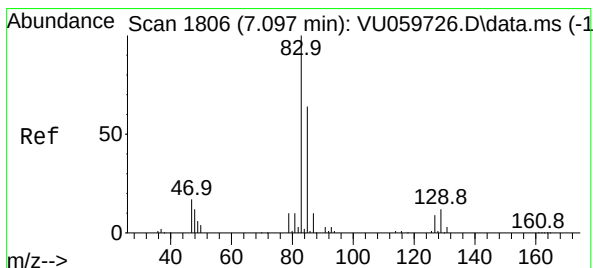
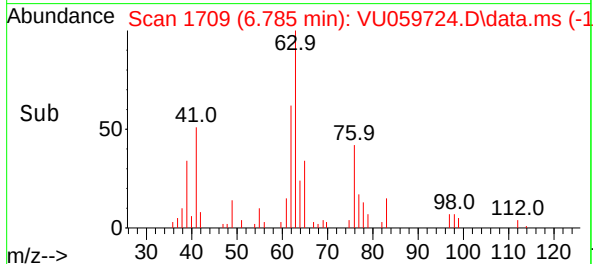
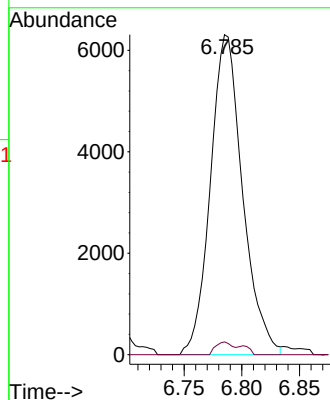
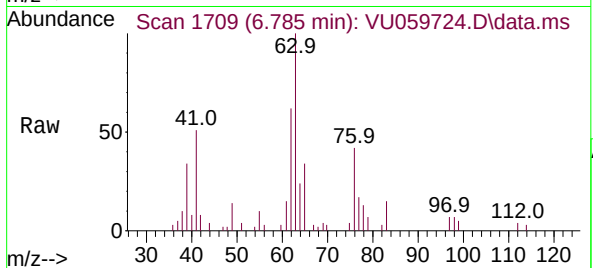
ClientSampleId :

Tgt Ion: 63 Resp: 12240

Ion Ratio Lower Upper

63 100

112 2.1 3.0 4.6#



#38

Bromodichloromethane

Concen: 4.209 ug/L

RT: 7.103 min Scan# 1808

Delta R.T. 0.006 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

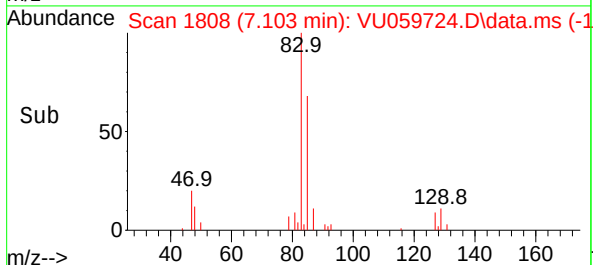
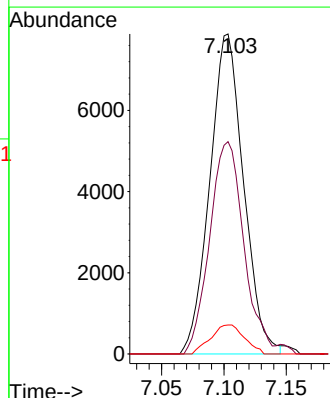
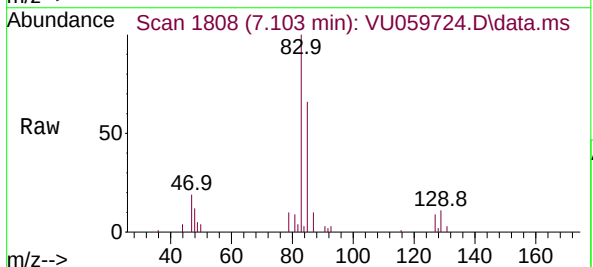
Tgt Ion: 83 Resp: 14874

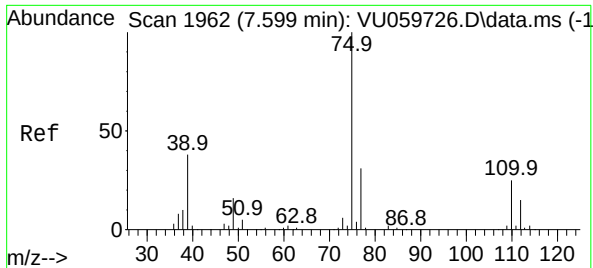
Ion Ratio Lower Upper

83 100

85 66.4 45.0 83.6

127 9.1 7.4 11.2

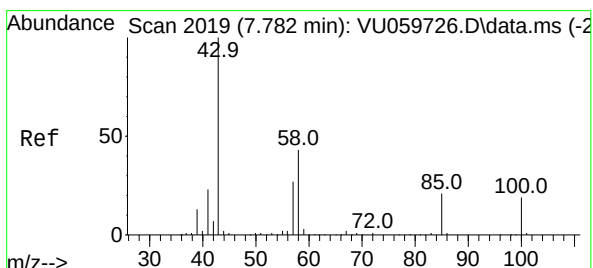
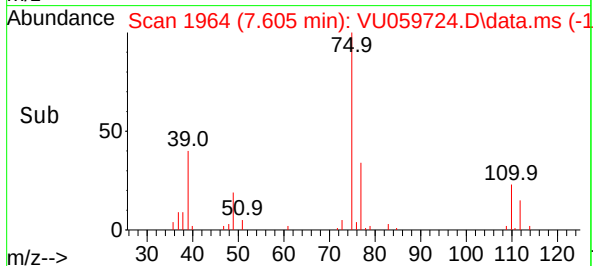
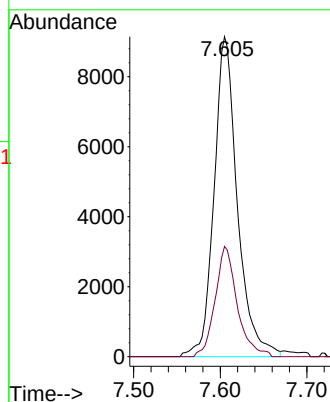
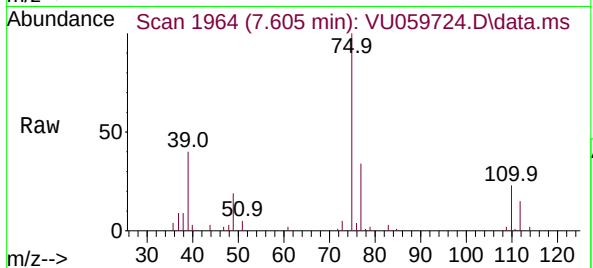




#39
 cis-1,3-Dichloropropene
 Concen: 4.093 ug/L
 RT: 7.605 min Scan# 1964
 Delta R.T. 0.006 min
 Lab File: VU059724.D
 Acq: 02 Jul 2024 08:24

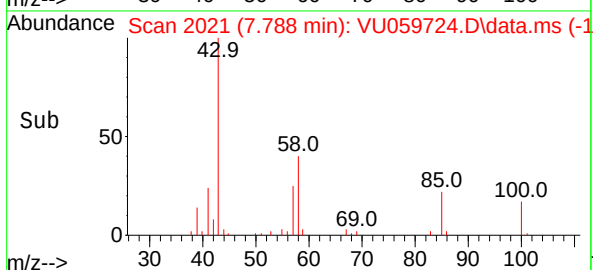
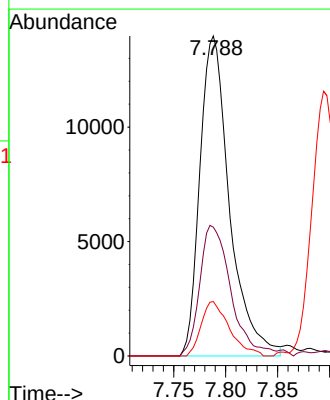
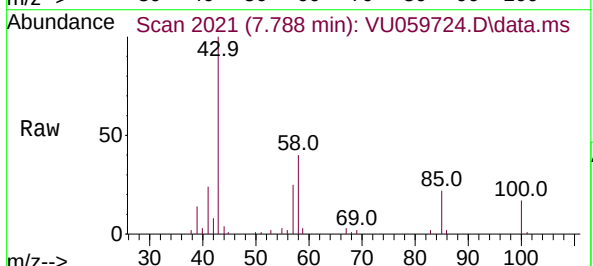
Instrument :
 MSVOA_U
 ClientSampleId :

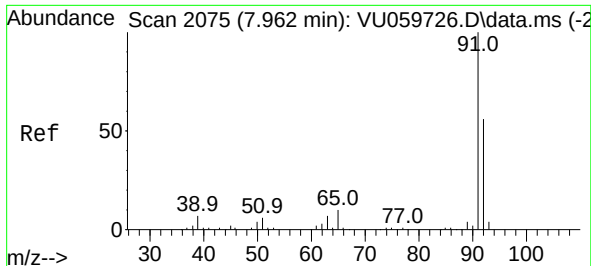
Tgt Ion: 75 Resp: 17136
 Ion Ratio Lower Upper
 75 100
 77 34.5 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 7.163 ug/L
 RT: 7.788 min Scan# 2021
 Delta R.T. 0.006 min
 Lab File: VU059724.D
 Acq: 02 Jul 2024 08:24

Tgt Ion: 43 Resp: 27747
 Ion Ratio Lower Upper
 43 100
 58 42.7 35.3 52.9
 100 16.2 14.6 22.0





#42

Toluene

Concen: 4.220 ug/L

RT: 7.968 min Scan# 2075

Delta R.T. 0.006 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

Instrument :

MSVOA_U

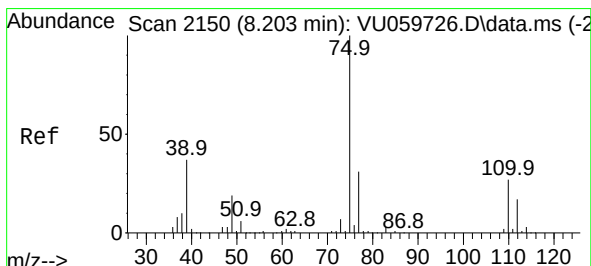
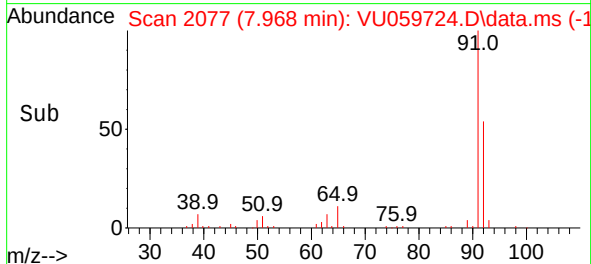
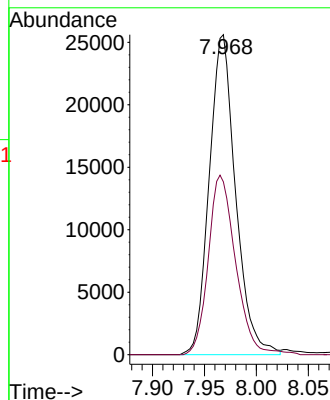
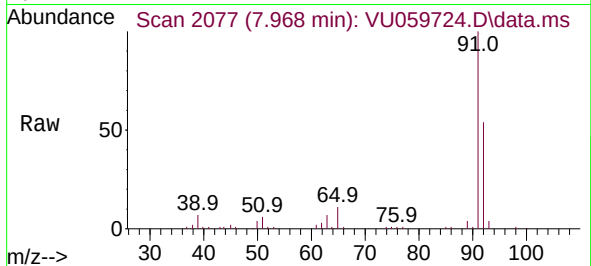
ClientSampleId :

Tgt Ion: 91 Resp: 45194

Ion Ratio Lower Upper

91 100

92 54.0 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 4.173 ug/L

RT: 8.209 min Scan# 2152

Delta R.T. 0.006 min

Lab File: VU059724.D

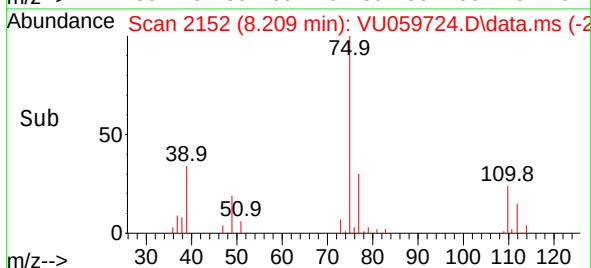
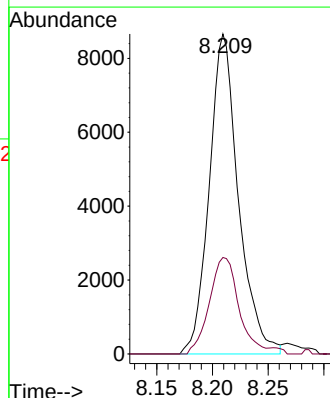
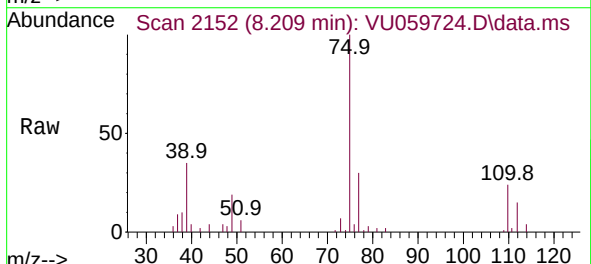
Acq: 02 Jul 2024 08:24

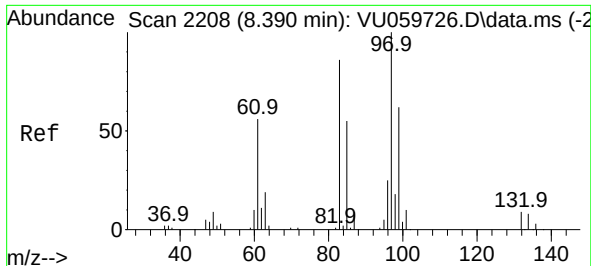
Tgt Ion: 75 Resp: 15776

Ion Ratio Lower Upper

75 100

77 30.1 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 4.531 ug/L

RT: 8.396 min Scan# 2208

Delta R.T. 0.006 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 12433

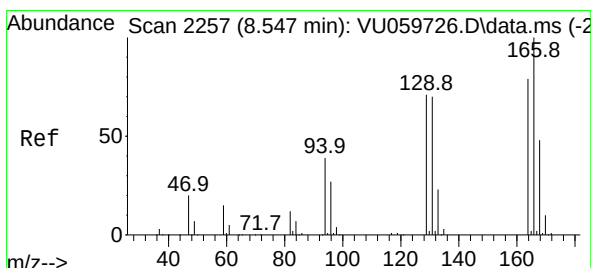
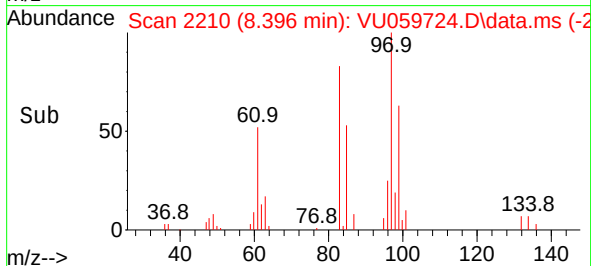
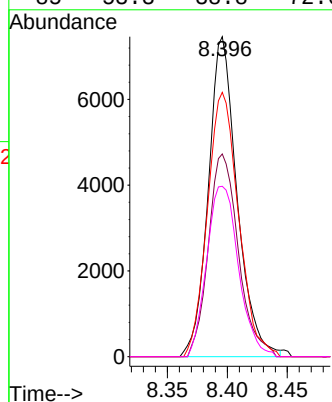
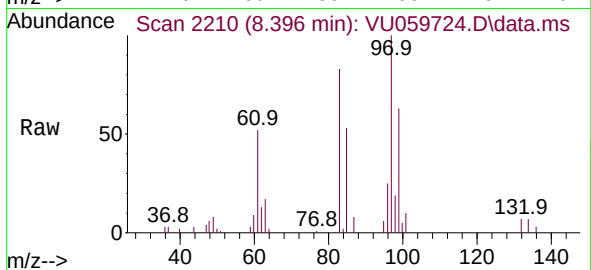
Ion Ratio Lower Upper

97 100

99 63.4 43.1 80.1

83 82.6 60.4 112.2

85 53.3 38.8 72.0



#46

Tetrachloroethene

Concen: 5.795 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.003 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

Tgt Ion:164 Resp: 10479

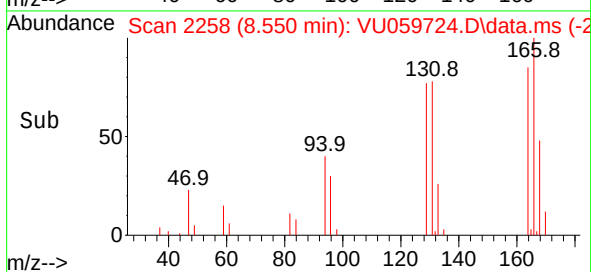
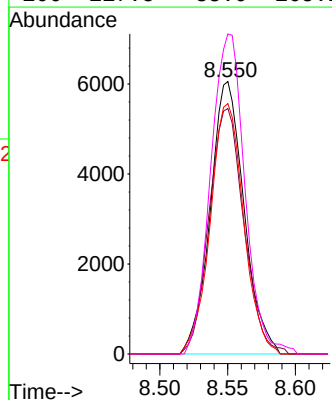
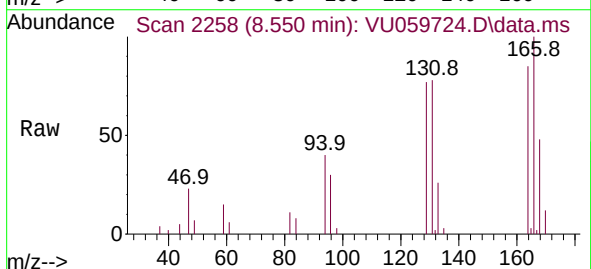
Ion Ratio Lower Upper

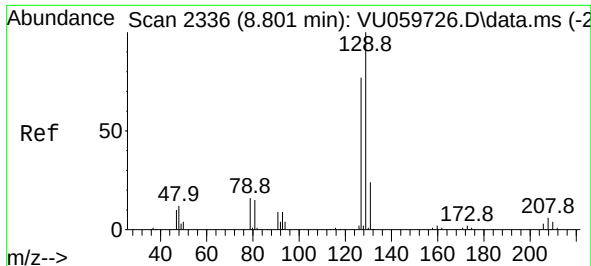
164 100

129 90.1 62.7 116.5

131 91.9 62.3 115.7

166 117.5 88.9 165.1





#49

Dibromochloromethane

Concen: 4.818 ug/L

RT: 8.804 min Scan# 2337

Delta R.T. 0.003 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

Instrument :

MSVOA_U

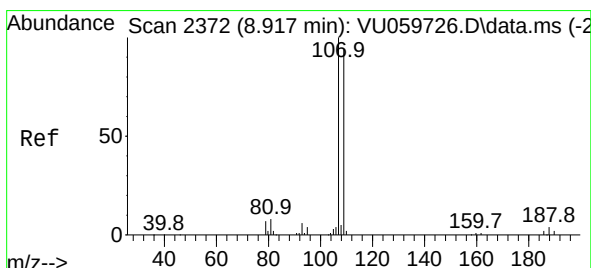
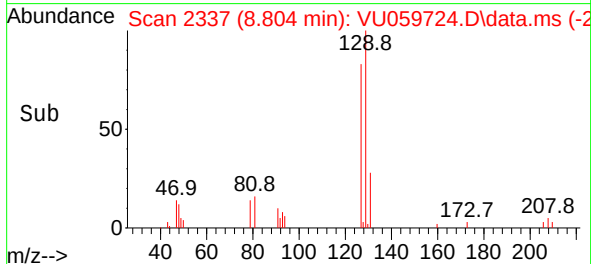
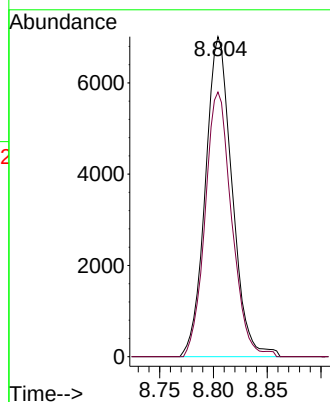
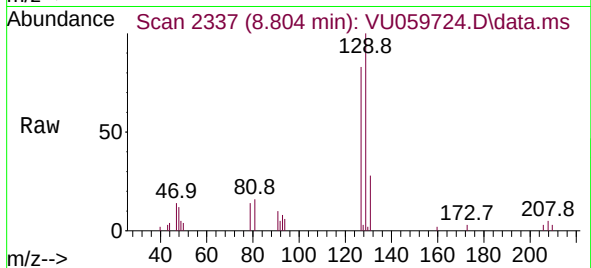
ClientSampleId :

Tgt Ion:129 Resp: 12123

Ion Ratio Lower Upper

129 100

127 84.2 54.0 100.2



#50

1,2-Dibromoethane

Concen: 4.627 ug/L

RT: 8.920 min Scan# 2373

Delta R.T. 0.003 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

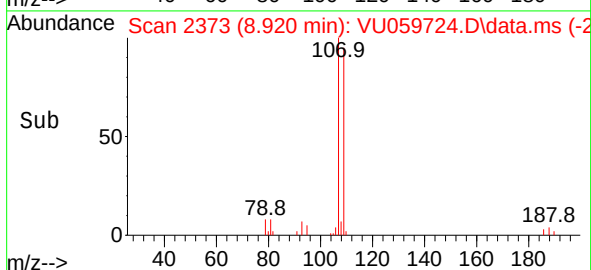
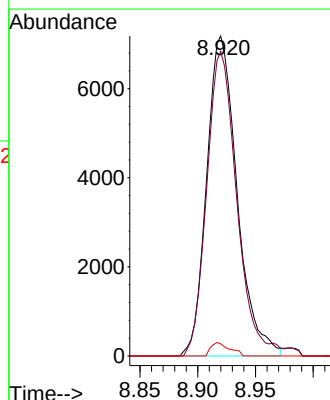
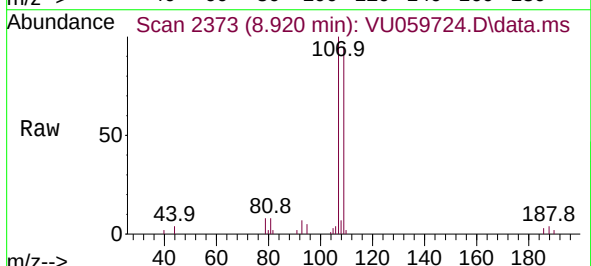
Tgt Ion:107 Resp: 13162

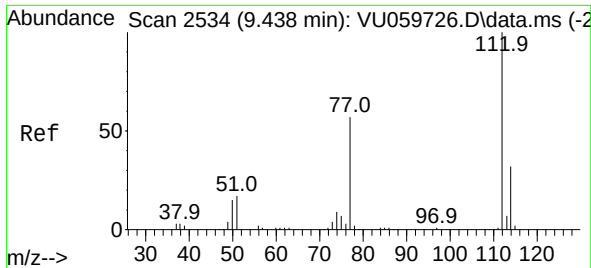
Ion Ratio Lower Upper

107 100

109 95.1 65.5 121.6

188 3.8 3.0 4.4





#51

Chlorobenzene

Concen: 4.854 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.003 min

Lab File: VU059724.D

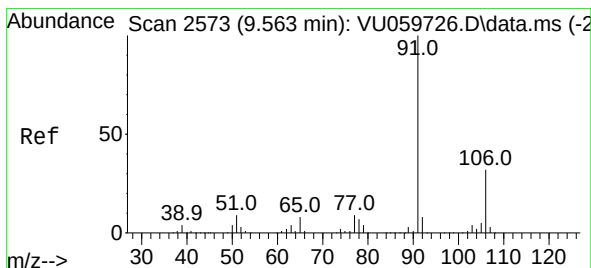
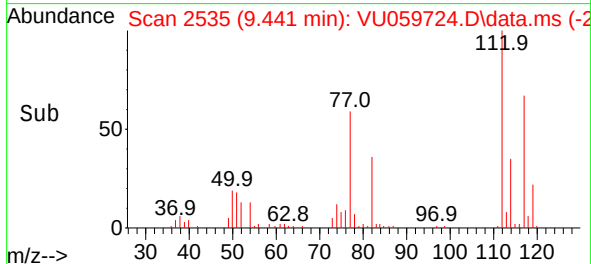
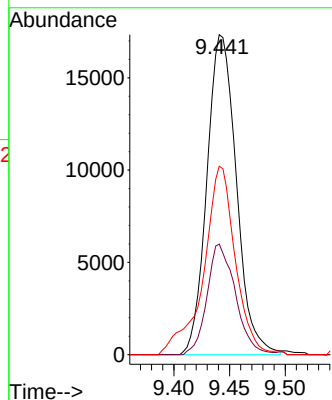
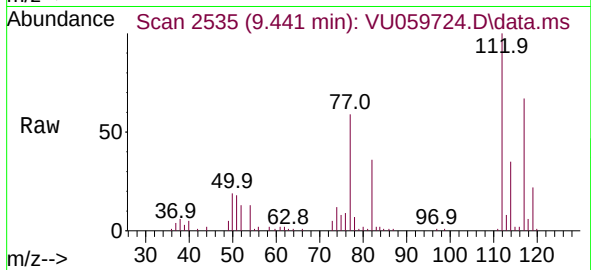
Acq: 02 Jul 2024 08:24

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	112	Resp:	31915
Ion Ratio	Lower	Upper	
112	100		
114	34.6	22.7	42.3
77	58.9	45.8	68.6



#52

Ethylbenzene

Concen: 4.347 ug/L

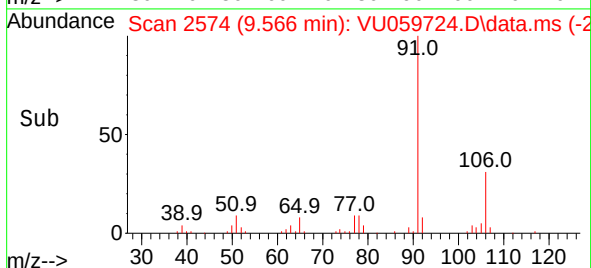
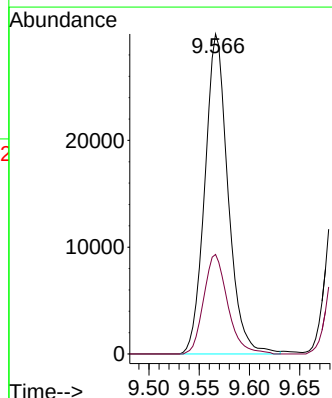
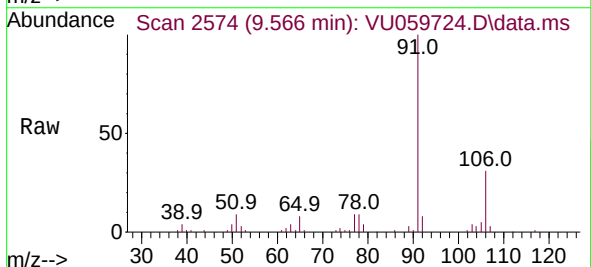
RT: 9.566 min Scan# 2574

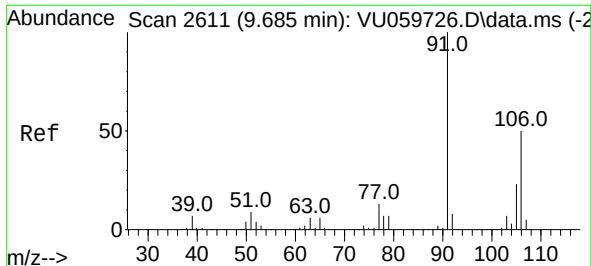
Delta R.T. 0.003 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

Tgt Ion:	91	Resp:	48156
Ion Ratio	Lower	Upper	
91	100		
106	31.1	22.4	41.6

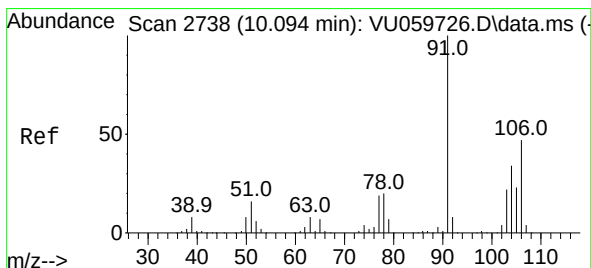
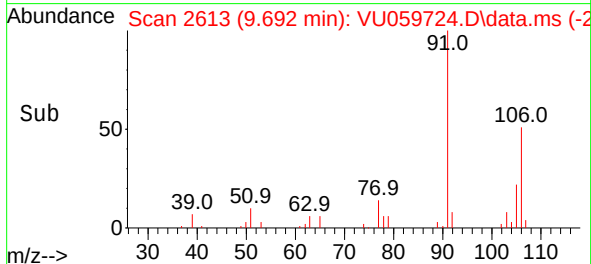
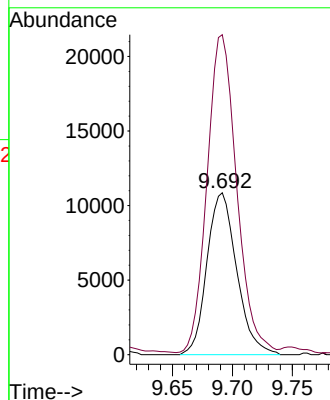
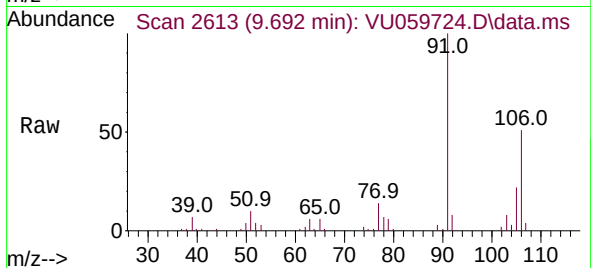




#53
m,p-Xylene
Concen: 4.564 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. 0.006 min
Lab File: VU059724.D
Acq: 02 Jul 2024 08:24

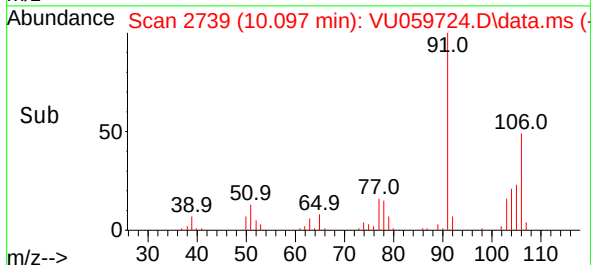
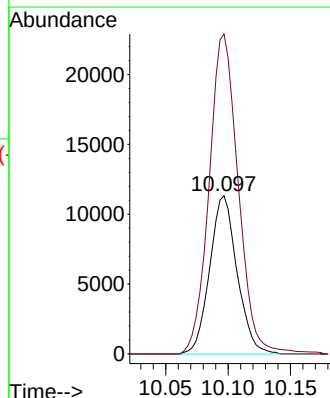
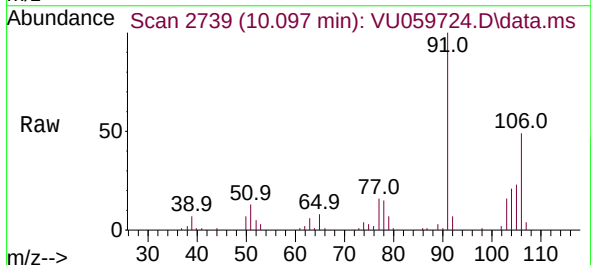
Instrument :
MSVOA_U
ClientSampleId :

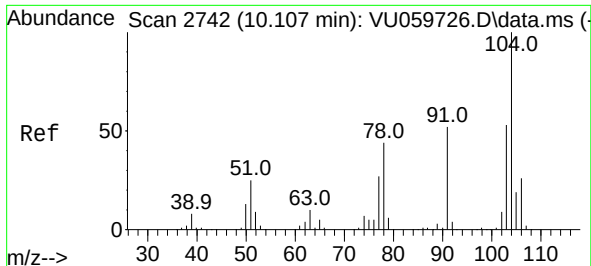
Tgt Ion:106 Resp: 18729
Ion Ratio Lower Upper
106 100
91 182.1 140.9 261.7



#54
o-Xylene
Concen: 4.343 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. 0.003 min
Lab File: VU059724.D
Acq: 02 Jul 2024 08:24

Tgt Ion:106 Resp: 17299
Ion Ratio Lower Upper
106 100
91 202.1 147.4 273.8





#55

Styrene

Concen: 3.980 ug/L

RT: 10.113 min Scan# 21

Delta R.T. 0.006 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

Instrument :

MSVOA_U

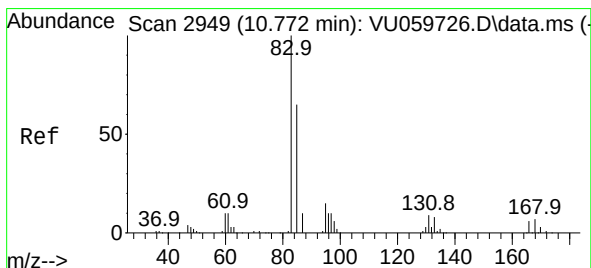
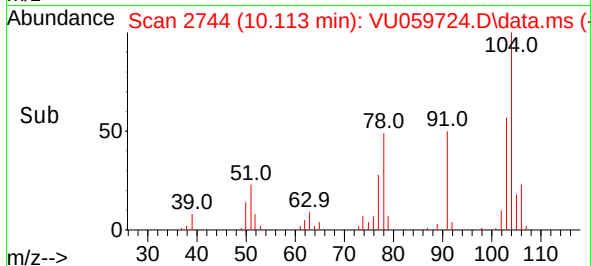
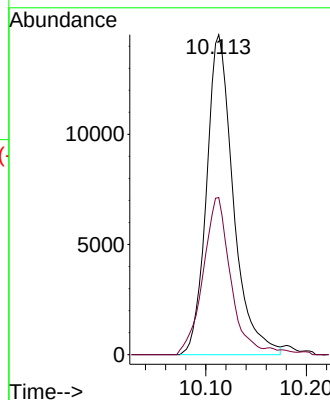
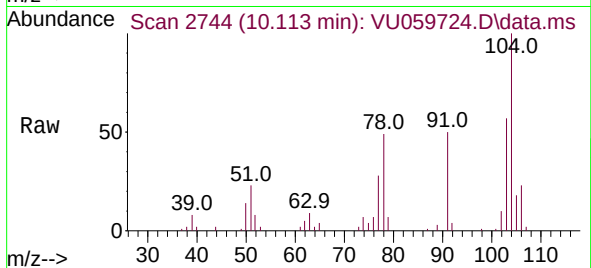
ClientSampleId :

Tgt Ion:104 Resp: 26907

Ion Ratio Lower Upper

104 100

78 49.1 30.9 57.5



#57

1,1,2,2-Tetrachloroethane

Concen: 4.199 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

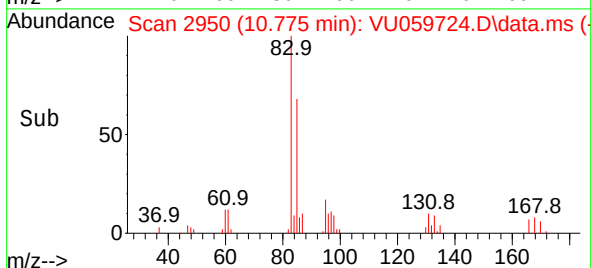
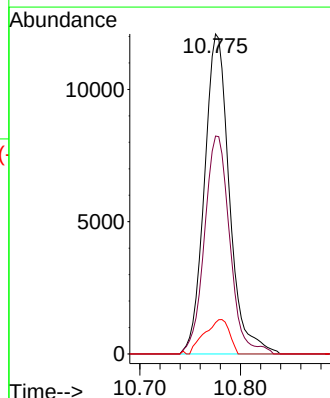
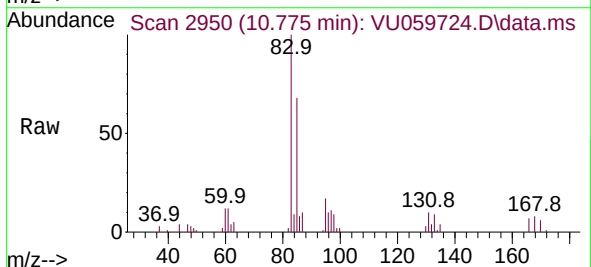
Tgt Ion: 83 Resp: 20852

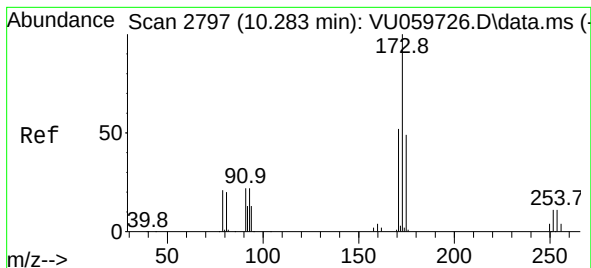
Ion Ratio Lower Upper

83 100

85 68.1 45.4 84.2

131 9.8 7.5 11.3





#59

Bromoform

Concen: 4.867 ug/L

RT: 10.286 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU059724.D

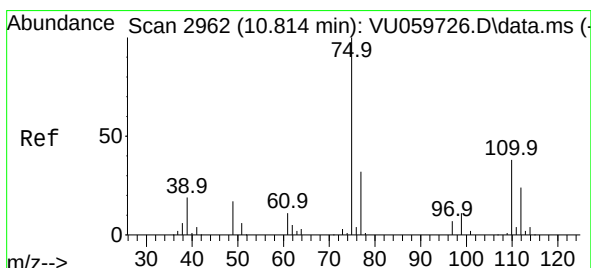
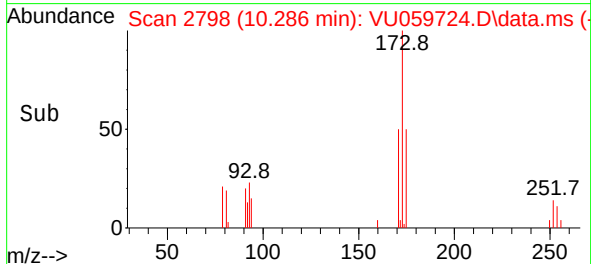
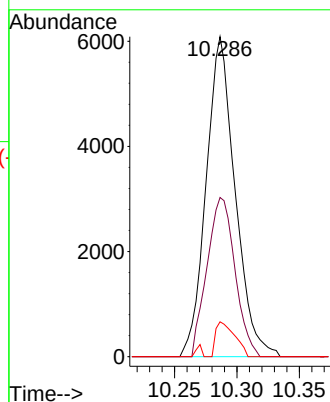
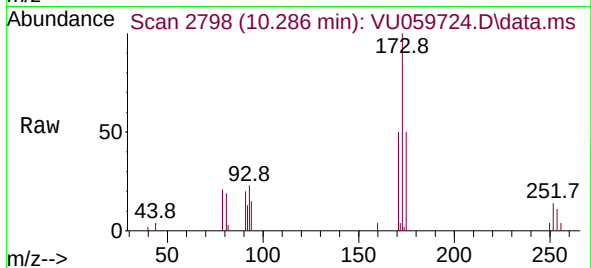
Acq: 02 Jul 2024 08:24

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:173	Resp:	9855
Ion Ratio	Lower	Upper
173	100	
175	47.8	39.4 59.2
254	7.1	9.0 13.4#



#60

1,2,3-Trichloropropane

Concen: 4.088 ug/L

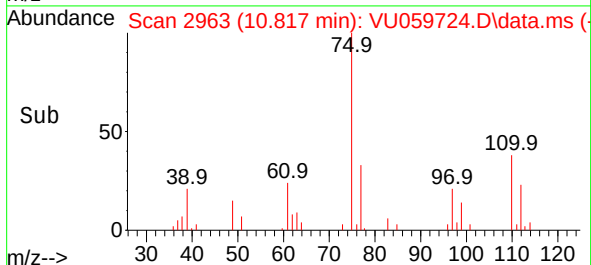
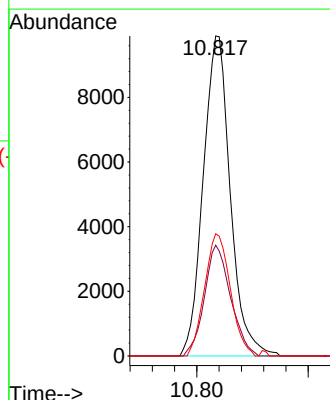
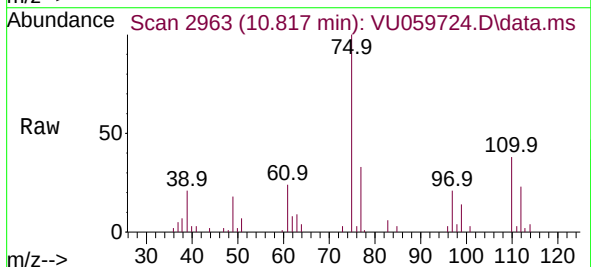
RT: 10.817 min Scan# 2963

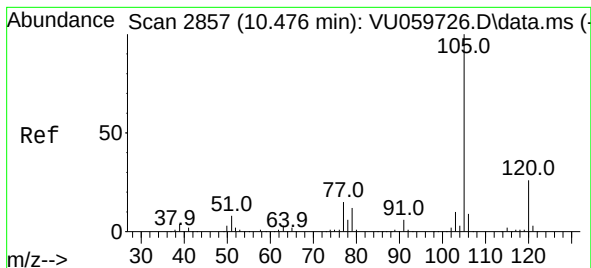
Delta R.T. 0.003 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

Tgt Ion: 75	Resp:	16699
Ion Ratio	Lower	Upper
75	100	
77	33.5	25.5 38.3
110	36.3	30.7 46.1





#61

Isopropylbenzene

Concen: 4.202 ug/L

RT: 10.479 min Scan# 2857

Delta R.T. 0.003 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

Instrument :

MSVOA_U

ClientSampleId :

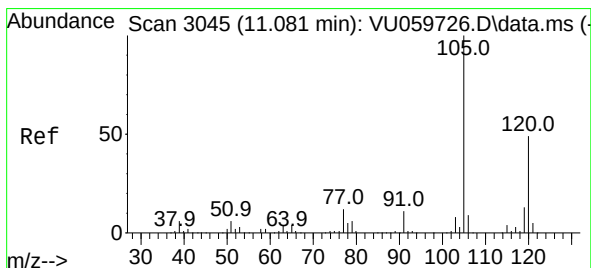
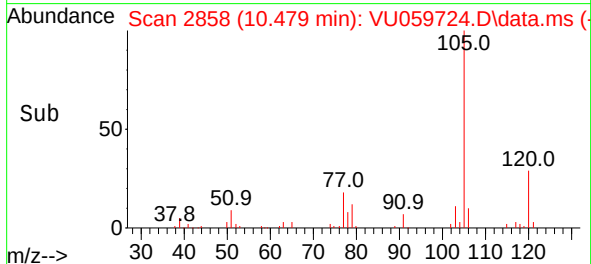
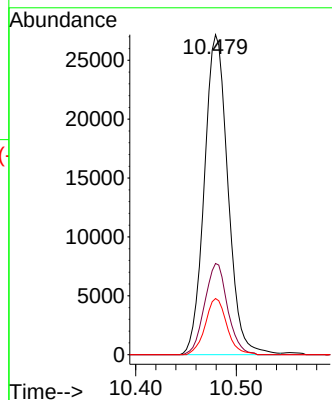
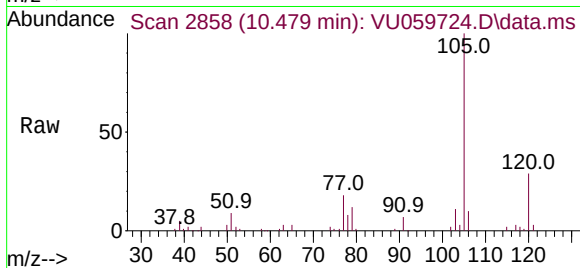
Tgt Ion:105 Resp: 44323

Ion Ratio Lower Upper

105 100

120 27.7 20.9 31.3

77 16.1 12.1 18.1



#62

1,3,5-Trimethylbenzene

Concen: 4.116 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.003 min

Lab File: VU059724.D

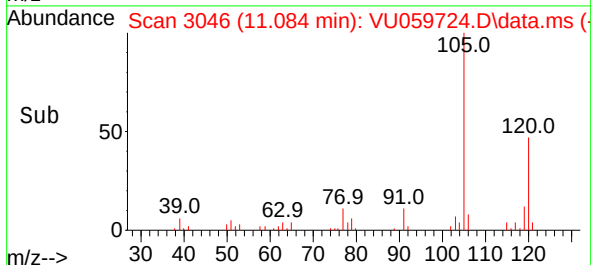
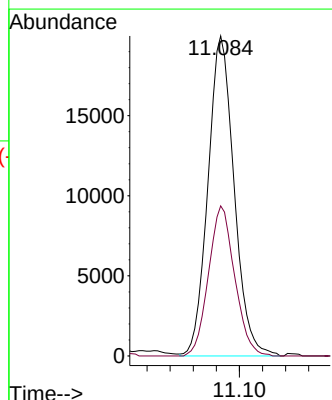
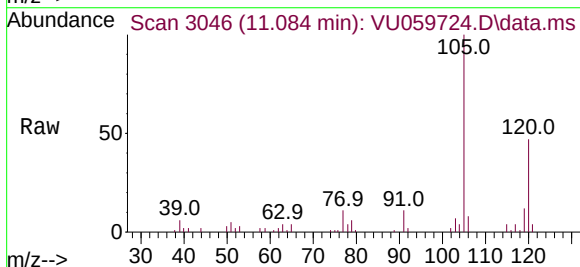
Acq: 02 Jul 2024 08:24

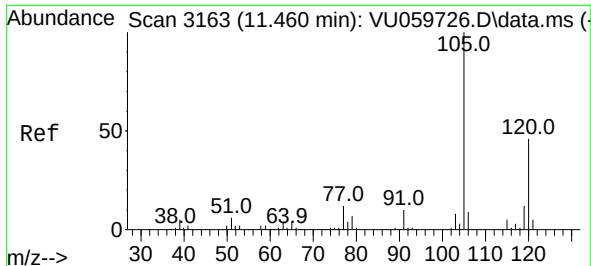
Tgt Ion:105 Resp: 31459

Ion Ratio Lower Upper

105 100

120 46.7 39.5 59.3





#63

1,2,4-Trimethylbenzene

Concen: 3.893 ug/L

RT: 11.463 min Scan# 3163

Delta R.T. 0.003 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

Instrument :

MSVOA_U

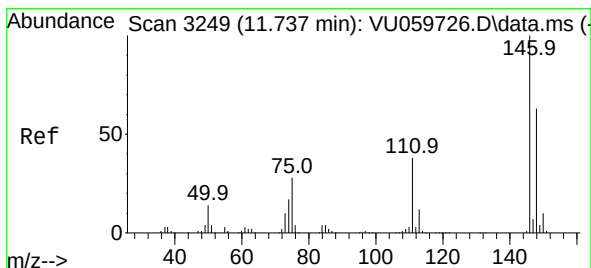
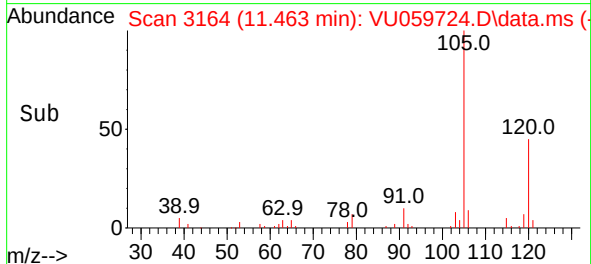
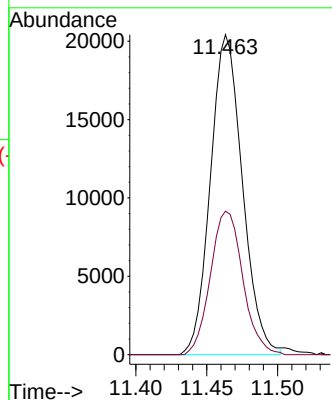
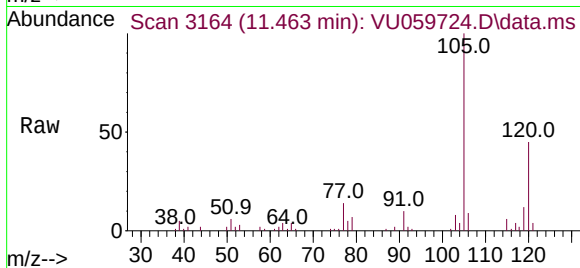
ClientSampleId :

Tgt Ion:105 Resp: 32050

Ion Ratio Lower Upper

105 100

120 45.4 37.0 55.6



#64

1,3-Dichlorobenzene

Concen: 4.862 ug/L

RT: 11.743 min Scan# 3251

Delta R.T. 0.006 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

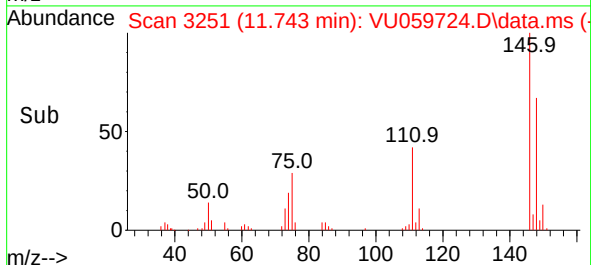
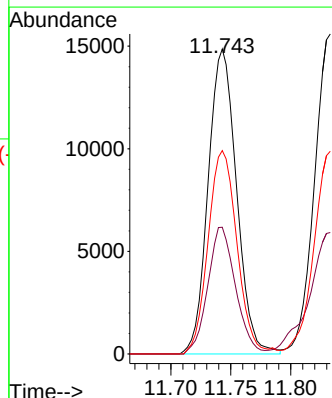
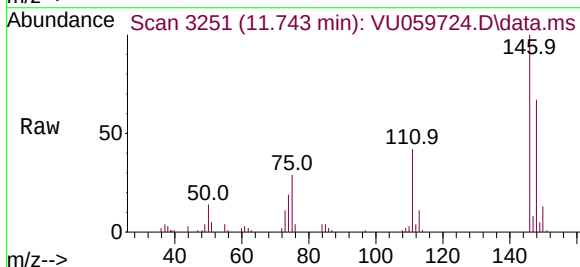
Tgt Ion:146 Resp: 24475

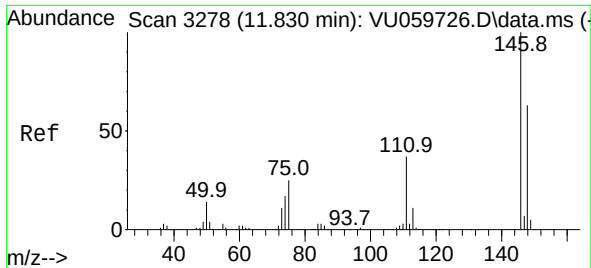
Ion Ratio Lower Upper

146 100

111 41.5 26.5 49.1

148 66.7 43.8 81.3





#65

1,4-Dichlorobenzene

Concen: 5.098 ug/L

RT: 11.833 min Scan# 3278

Delta R.T. 0.003 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

Instrument :

MSVOA_U

ClientSampleId :

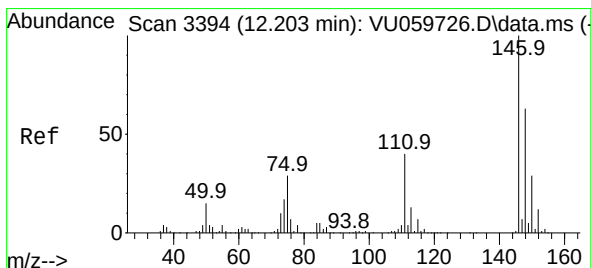
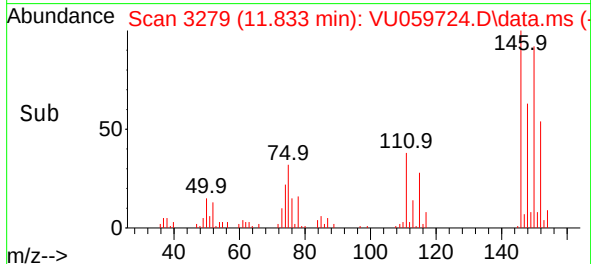
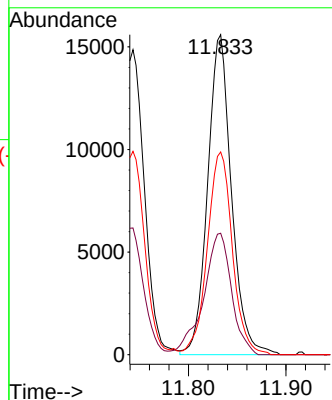
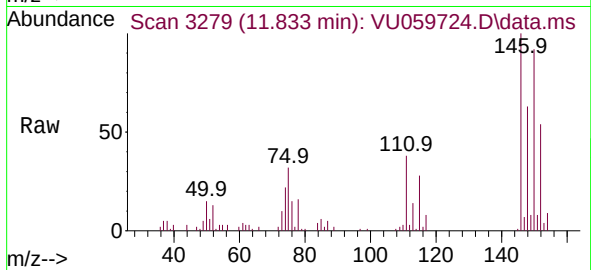
Tgt Ion:146 Resp: 26482

Ion Ratio Lower Upper

146 100

111 38.0 25.9 48.1

148 63.3 44.0 81.8



#67

1,2-Dichlorobenzene

Concen: 4.939 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.006 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

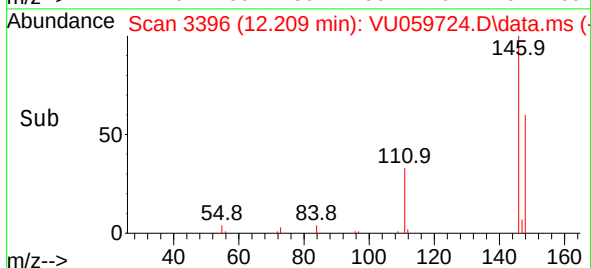
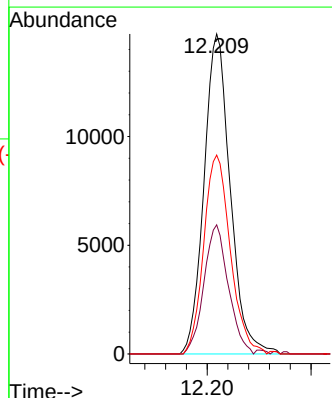
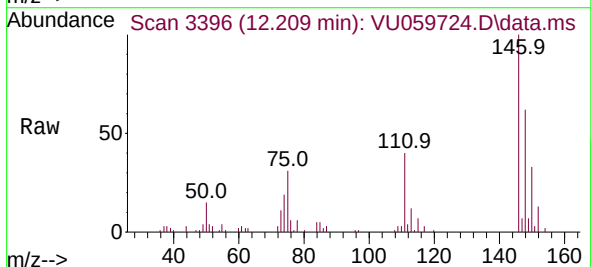
Tgt Ion:146 Resp: 25751

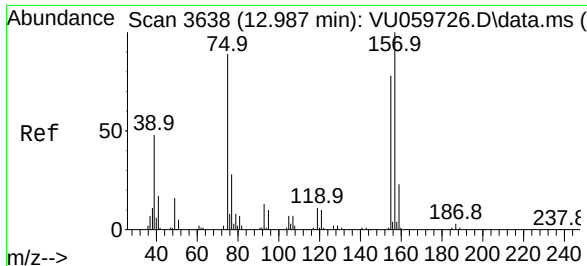
Ion Ratio Lower Upper

146 100

111 44.0 31.7 47.5

148 62.2 50.8 76.2





#68

1,2-Dibromo-3-chloropropane

Concen: 4.000 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.006 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

Instrument :

MSVOA_U

ClientSampleId :

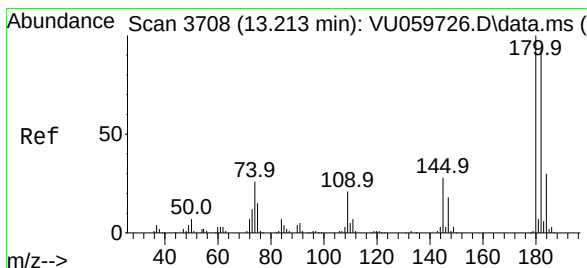
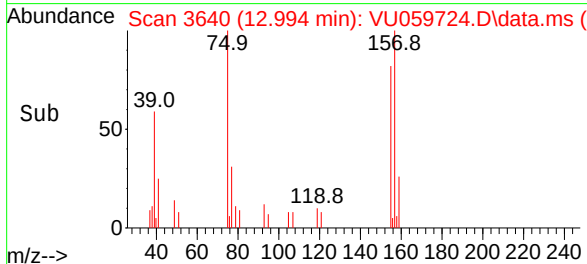
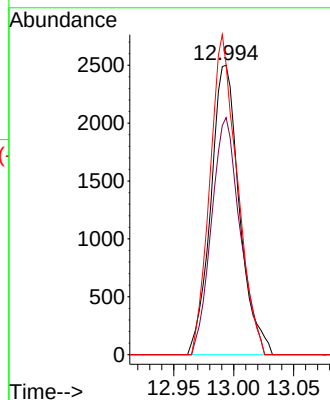
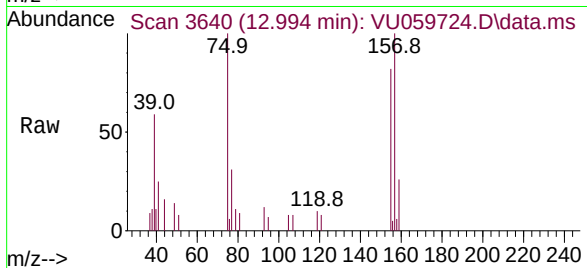
Tgt Ion: 75 Resp: 4146

Ion Ratio Lower Upper

75 100

155 81.9 73.5 110.3

157 100.3 93.5 140.3



#69

1,3,5-Trichlorobenzene

Concen: 5.191 ug/L

RT: 13.216 min Scan# 3709

Delta R.T. 0.003 min

Lab File: VU059724.D

Acq: 02 Jul 2024 08:24

Tgt Ion:180 Resp: 17438

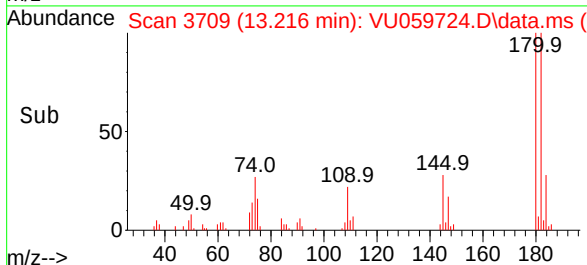
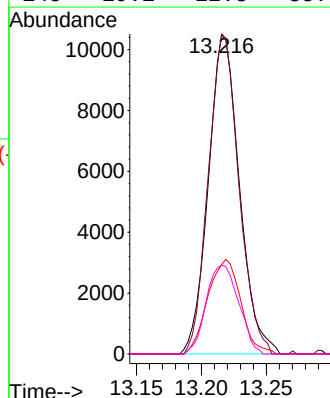
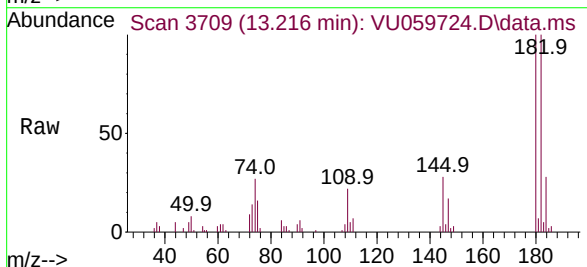
Ion Ratio Lower Upper

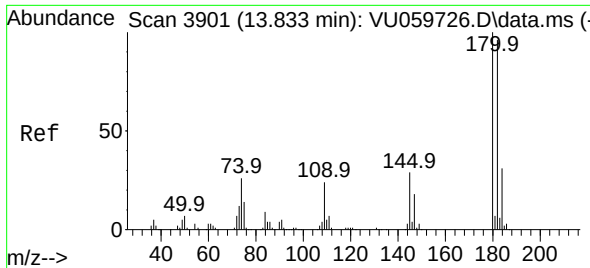
180 100

182 98.1 75.8 113.8

184 31.4 24.7 37.1

145 29.1 22.3 33.5

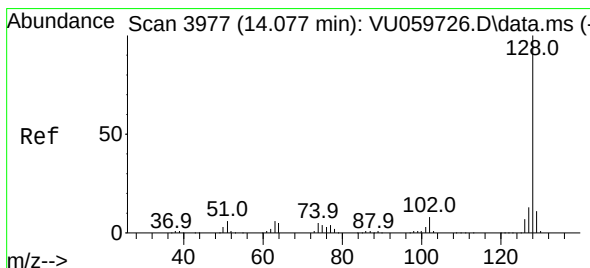
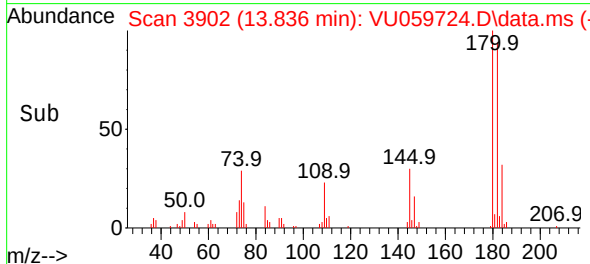
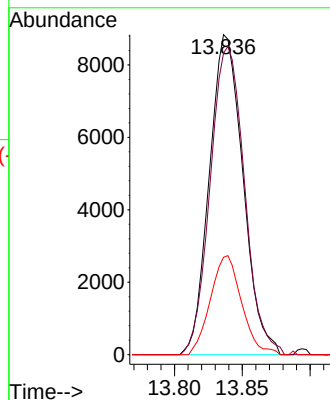
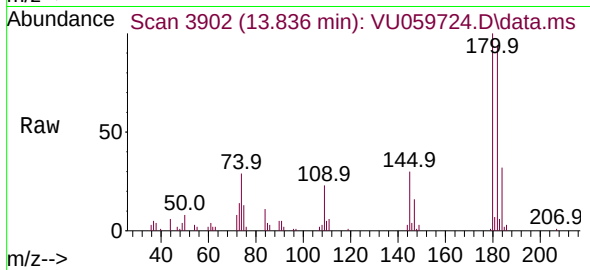




#70
1,2,4-trichlorobenzene
Concen: 5.549 ug/L
RT: 13.836 min Scan# 3901
Delta R.T. 0.003 min
Lab File: VU059724.D
Acq: 02 Jul 2024 08:24

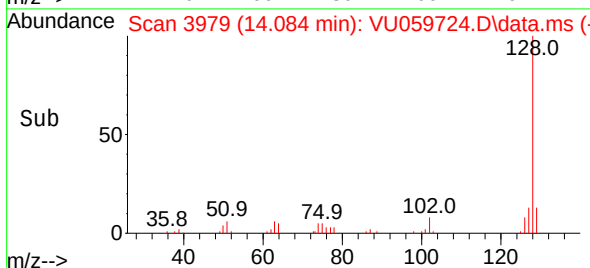
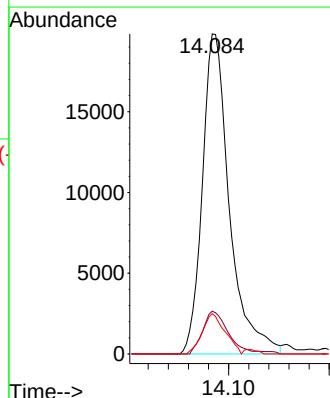
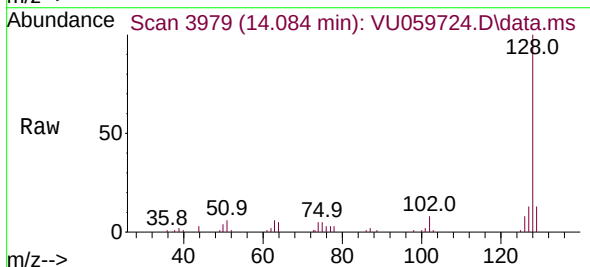
Instrument :
MSVOA_U
ClientSampleId :

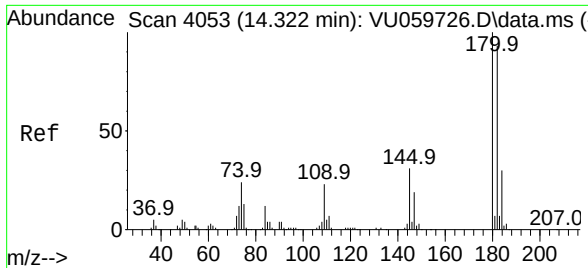
Tgt Ion	Ratio	Lower	Upper
180	100		
182	98.0	76.4	114.6
145	28.4	23.0	34.4



#71
Naphthalene
Concen: 4.258 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. 0.006 min
Lab File: VU059724.D
Acq: 02 Jul 2024 08:24

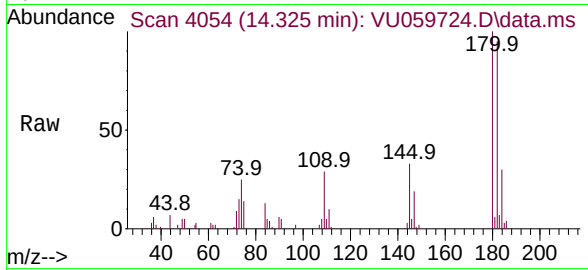
Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.4	15.6
129	10.6	8.6	13.0





#72
 1,2,3-Trichlorobenzene
 Concen: 5.405 ug/L
 RT: 14.325 min Scan# 4054
 Delta R.T. 0.003 min
 Lab File: VU059724.D
 Acq: 02 Jul 2024 08:24

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion:	180	Resp:	15057
Ion Ratio	Lower	Upper	
180	100		
182	94.0	75.8	113.8
145	31.3	24.5	36.7

