

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU070224\
 Data File : VU059725.D
 Acq On : 02 Jul 2024 08:47
 Operator : MD/SY
 Sample : VSTD010
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 03 01:22:11 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	6.241	114	319744	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	313275	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	160362	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.599	65	19866	10.215	ug/L	0.00
7) Chloroethane-d5	1.910	69	16479	9.864	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	63	35642	9.477	ug/L	0.00
21) 2-Butanone-d5	4.627	46	25435	14.737	ug/L	0.02
24) Chloroform-d	5.055	84	40021	10.384	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	23583	10.086	ug/L	0.00
32) Benzene-d6	5.721	84	78291	10.588	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.682	67	24241	9.734	ug/L	0.00
41) Toluene-d8	7.891	98	73115	11.339	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	10615	10.295	ug/L	0.00
47) 2-Hexanone-d5	8.630	63	17294	15.310	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.749	84	37586	9.057	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	28794	11.445	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.380	85	20004	6.759	ug/L	98
3) Chloromethane	1.518	50	20913	6.173	ug/L	93
5) Vinyl chloride	1.602	62	23901	7.080	ug/L	96
6) Bromomethane	1.853	94	11423	4.473	ug/L	91
8) Chloroethane	1.930	64	16758	7.839	ug/L	97
9) Trichlorofluoromethane	2.136	101	34015	8.416	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	20961	8.815	ug/L	96
12) 1,1-Dichloroethene	2.576	96	20319	9.410	ug/L	83
13) Acetone	2.618	43	33571	16.954	ug/L	96
14) Carbon disulfide	2.788	76	51191	7.284	ug/L	99
15) Methyl Acetate	2.946	43	23989	7.691	ug/L	91
16) Methylene chloride	3.039	84	26309	9.040	ug/L	99
17) trans-1,2-Dichloroethene	3.348	96	20870	8.963	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	64499	8.510	ug/L	99
19) 1,1-Dichloroethane	3.862	63	38903	7.930	ug/L	100
20) cis-1,2-Dichloroethene	4.660	96	24149	8.991	ug/L	98
22) 2-Butanone	4.701	43	34051	14.179	ug/L	92
23) Bromochloromethane	4.971	128	13273	9.689	ug/L	99
25) Chloroform	5.081	83	42055	8.728	ug/L	94
27) 1,2-Dichloroethane	5.791	62	32113	8.050	ug/L	98
29) Cyclohexane	5.380	56	28017	7.235	ug/L	97
30) 1,1,1-Trichloroethane	5.309	97	33339	8.589	ug/L	99
31) Carbon tetrachloride	5.518	117	28355	8.960	ug/L	95
33) Benzene	5.769	78	85329	7.983	ug/L	100
34) Trichloroethene	6.537	95	23645	8.948	ug/L	97
35) Methylcyclohexane	6.756	83	29506	7.691	ug/L	96
37) 1,2-Dichloropropane	6.785	63	24116	7.990	ug/L	98
38) Bromodichloromethane	7.100	83	30470	8.518	ug/L	97
39) cis-1,3-Dichloropropene	7.605	75	35259	8.318	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	58030	14.797	ug/L	97
42) Toluene	7.965	91	95311	8.792	ug/L	97
44) trans-1,3-Dichloropropene	8.206	75	33095	8.647	ug/L	97

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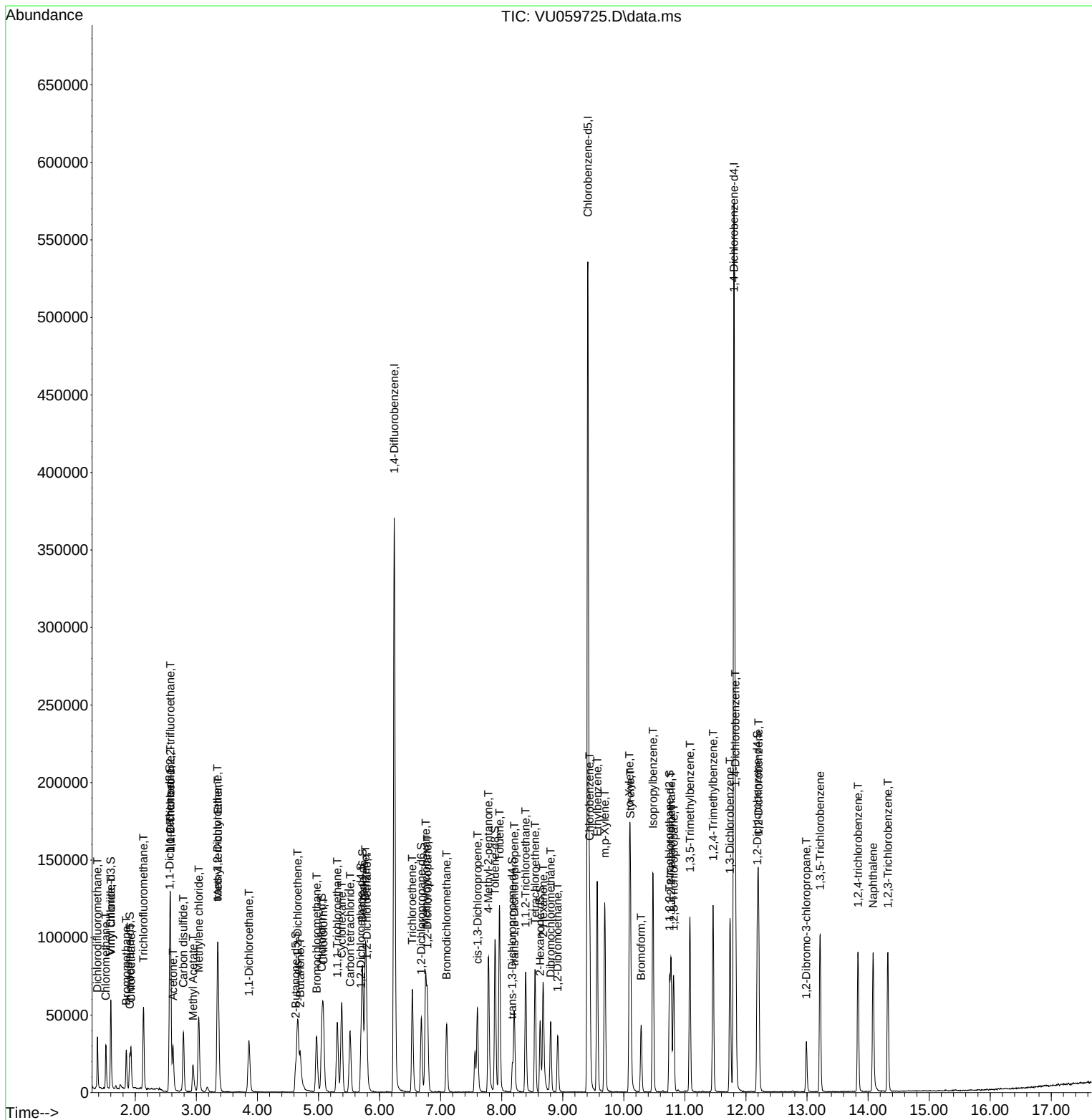
Quant Time: Jul 03 01:22:11 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM070224WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 03 01:21:03 2024
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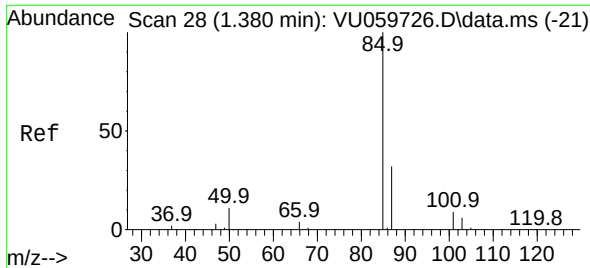
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.393	97	26361	9.489	ug/L	99
46) Tetrachloroethene	8.547	164	18771	10.253	ug/L	97
48) 2-Hexanone	8.679	43	45407	13.712	ug/L	98
49) Dibromochloromethane	8.801	129	24398	9.578	ug/L	94
50) 1,2-Dibromoethane	8.917	107	25976	9.021	ug/L	98
51) Chlorobenzene	9.441	112	64270	9.654	ug/L	99
52) Ethylbenzene	9.566	91	96422	8.597	ug/L	98
53) m,p-Xylene	9.688	106	37746	9.086	ug/L	92
54) o-Xylene	10.093	106	35443	8.790	ug/L	96
55) Styrene	10.110	104	58861	8.599	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	42491	8.452	ug/L	98
59) Bromoform	10.283	173	20277	9.784	ug/L #	97
60) 1,2,3-Trichloropropane	10.817	75	33115	7.920	ug/L	97
61) Isopropylbenzene	10.479	105	93690	8.677	ug/L	98
62) 1,3,5-Trimethylbenzene	11.084	105	65181	8.331	ug/L	97
63) 1,2,4-Trimethylbenzene	11.463	105	67518	8.012	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	50606	9.821	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	52503	9.873	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	50353	9.434	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.987	75	8014	7.552	ug/L	92
69) 1,3,5-Trichlorobenzene	13.215	180	34564	10.051	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	29684	10.551	ug/L	97
71) Naphthalene	14.084	128	81493	9.150	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	30791	10.797	ug/L	99

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

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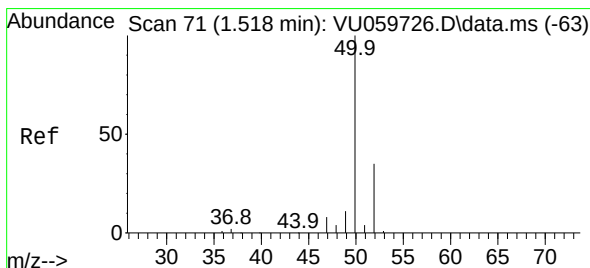
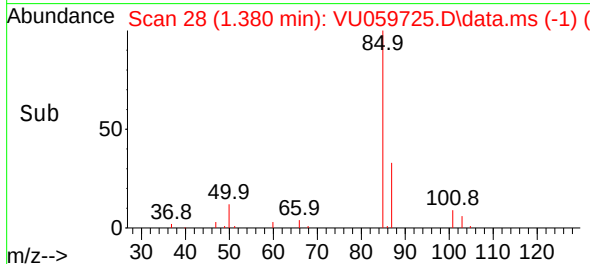
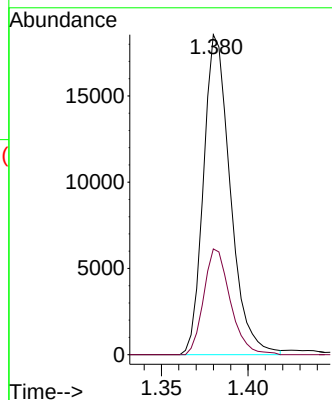
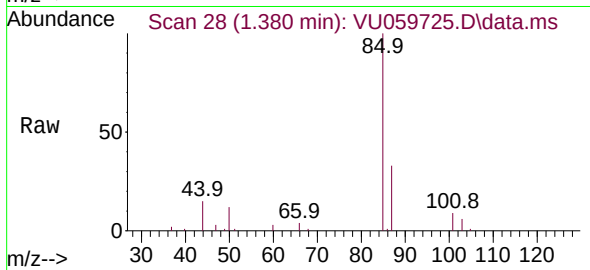




#2
 Dichlorodifluoromethane
 Concen: 6.759 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU059725.D
 Acq: 02 Jul 2024 08:47

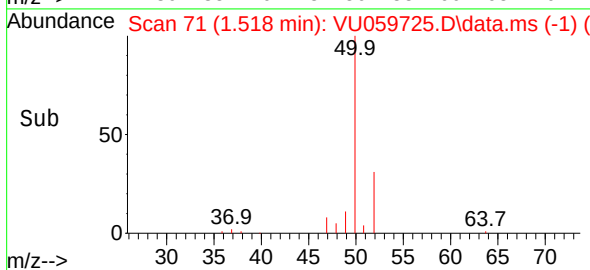
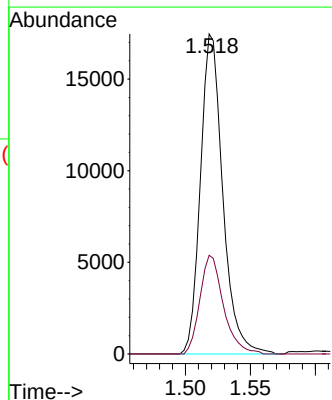
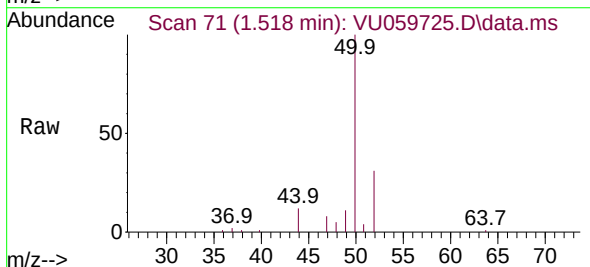
Instrument :
 MSVOA_U
 ClientSampleId :

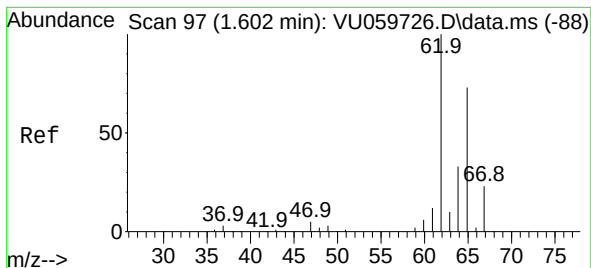
Tgt Ion: 85 Resp: 20004
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.4 38.2



#3
 Chloromethane
 Concen: 6.173 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. -0.000 min
 Lab File: VU059725.D
 Acq: 02 Jul 2024 08:47

Tgt Ion: 50 Resp: 20913
 Ion Ratio Lower Upper
 50 100
 52 30.9 24.5 45.5





#5

Vinyl chloride

Concen: 7.080 ug/L

RT: 1.602 min Scan# 91

Delta R.T. -0.000 min

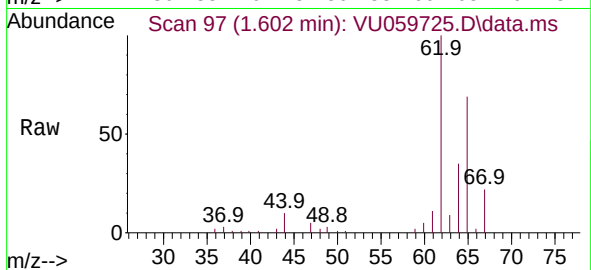
Lab File: VU059725.D

Acq: 02 Jul 2024 08:47

Instrument :

MSVOA_U

ClientSampleId :

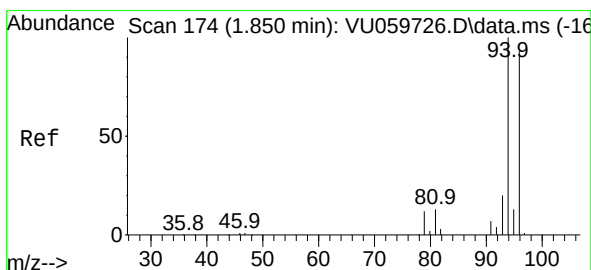
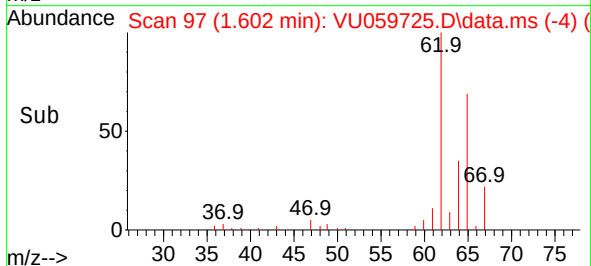
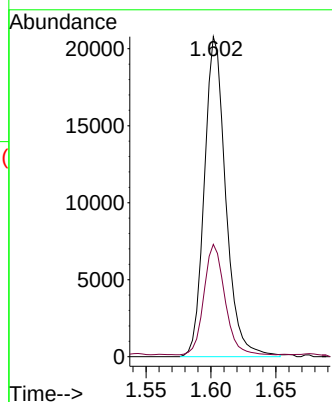


Tgt Ion: 62 Resp: 23901

Ion Ratio Lower Upper

62 100

64 35.1 22.9 42.5



#6

Bromomethane

Concen: 4.473 ug/L

RT: 1.853 min Scan# 175

Delta R.T. 0.003 min

Lab File: VU059725.D

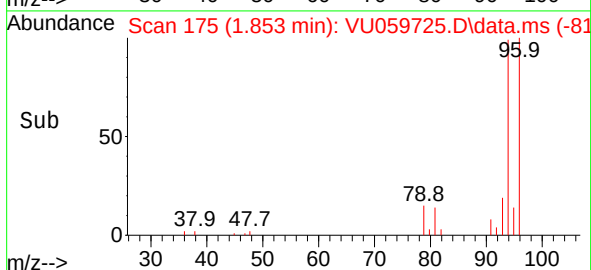
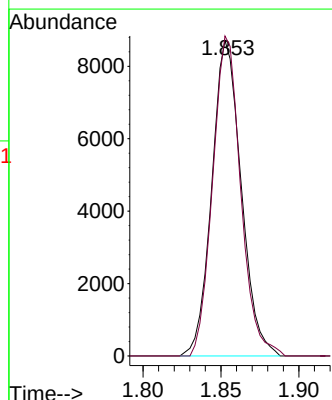
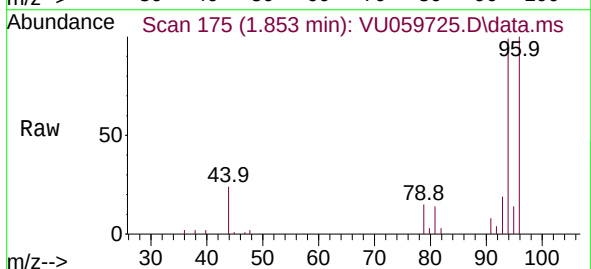
Acq: 02 Jul 2024 08:47

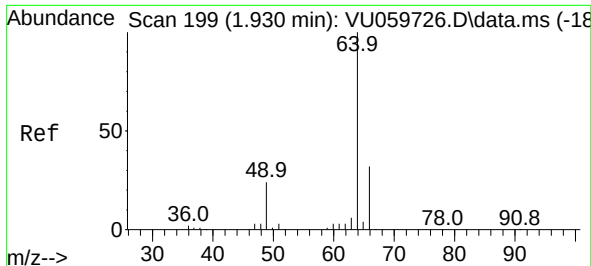
Tgt Ion: 94 Resp: 11423

Ion Ratio Lower Upper

94 100

96 101.4 65.2 121.2

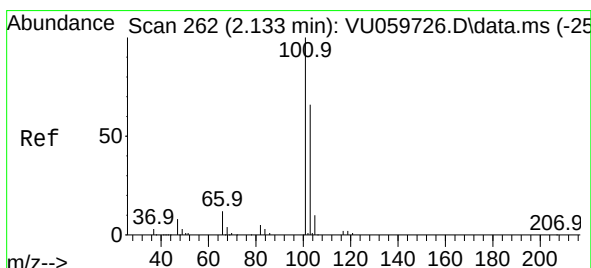
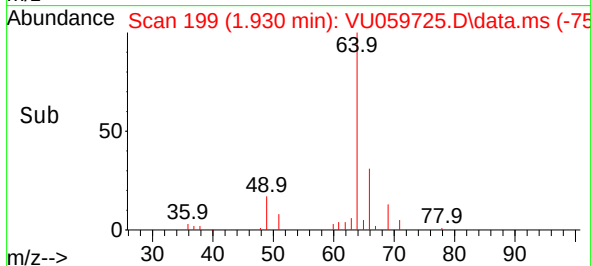
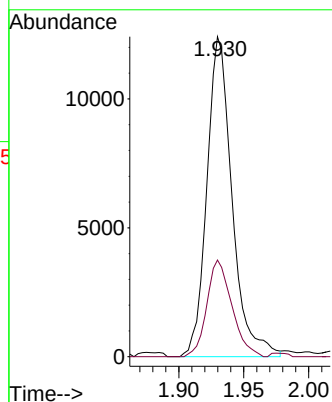
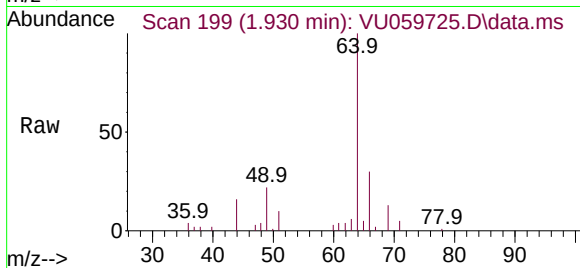




#8
Chloroethane
Concen: 7.839 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU059725.D
Acq: 02 Jul 2024 08:47

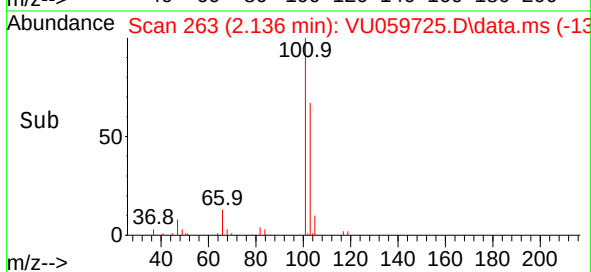
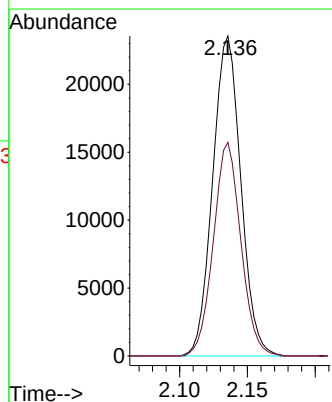
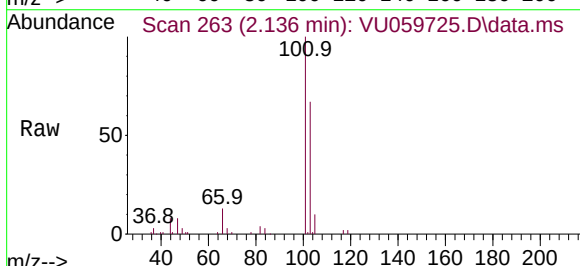
Instrument :
MSVOA_U
ClientSampleId :

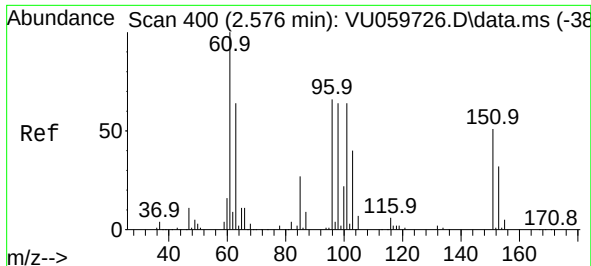
Tgt Ion: 64 Resp: 16758
Ion Ratio Lower Upper
64 100
66 30.2 22.3 41.3



#9
Trichlorofluoromethane
Concen: 8.416 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.003 min
Lab File: VU059725.D
Acq: 02 Jul 2024 08:47

Tgt Ion:101 Resp: 34015
Ion Ratio Lower Upper
101 100
103 65.2 52.3 78.5





#10

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

Concen: 8.815 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU059725.D

Acq: 02 Jul 2024 08:47

Instrument :

MSVOA_U

ClientSampleId :

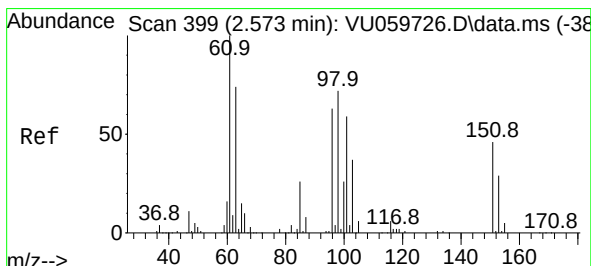
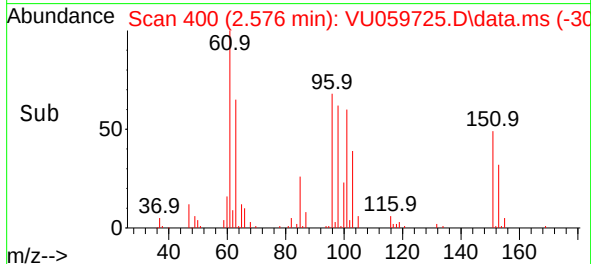
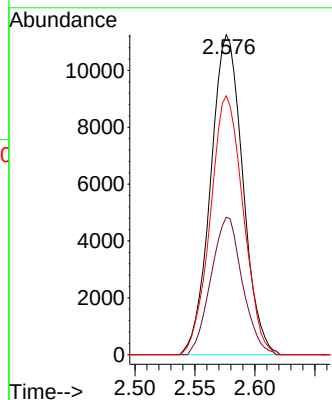
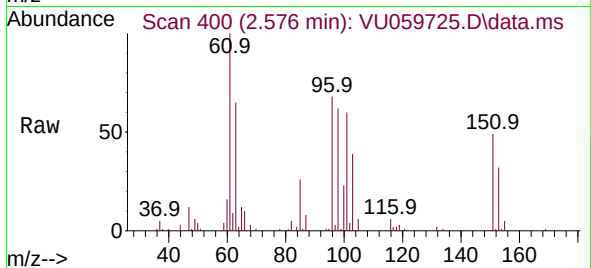
Tgt Ion:101 Resp: 20961

Ion Ratio Lower Upper

101 100

85 41.9 34.8 52.2

151 82.6 62.3 93.5



#12

1,1-Dichloroethene

Concen: 9.410 ug/L

RT: 2.576 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU059725.D

Acq: 02 Jul 2024 08:47

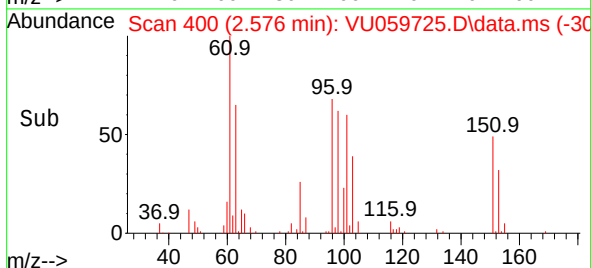
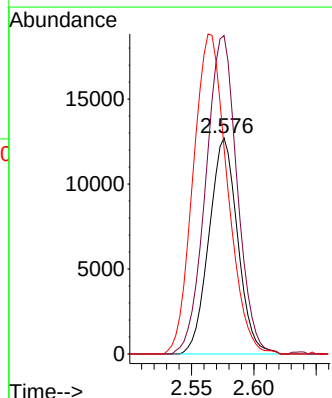
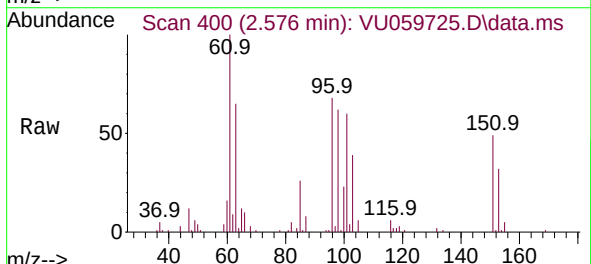
Tgt Ion: 96 Resp: 20319

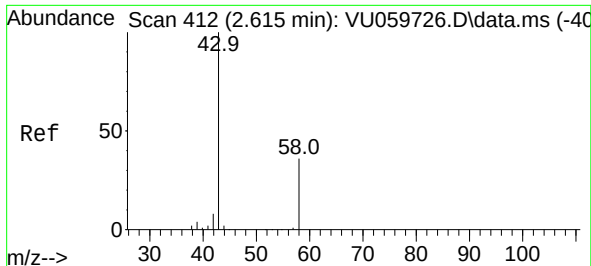
Ion Ratio Lower Upper

96 100

61 147.4 112.2 208.4

63 95.6 87.4 162.2





#13

Acetone

Concen: 16.954 ug/L

RT: 2.618 min Scan# 412

Delta R.T. 0.003 min

Lab File: VU059725.D

Acq: 02 Jul 2024 08:47

Instrument :

MSVOA_U

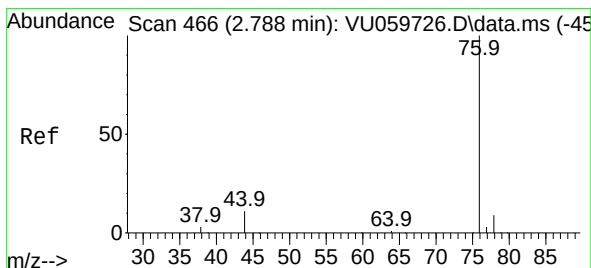
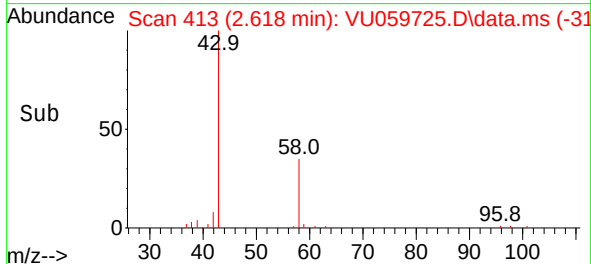
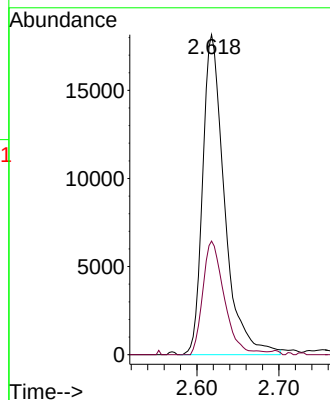
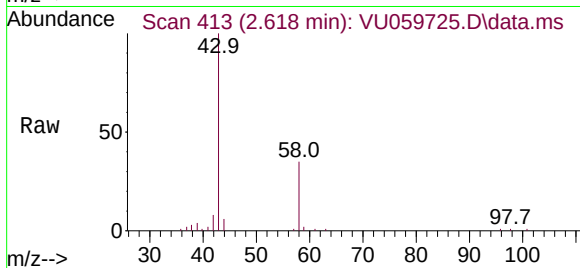
ClientSampleId :

Tgt Ion: 43 Resp: 33571

Ion Ratio Lower Upper

43 100

58 34.5 0.0 73.8



#14

Carbon disulfide

Concen: 7.284 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU059725.D

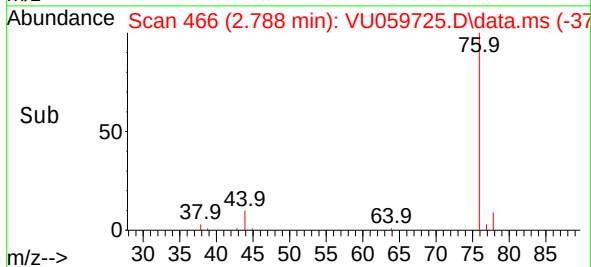
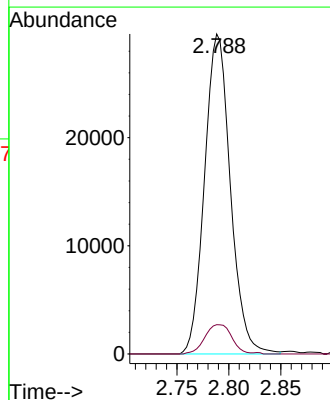
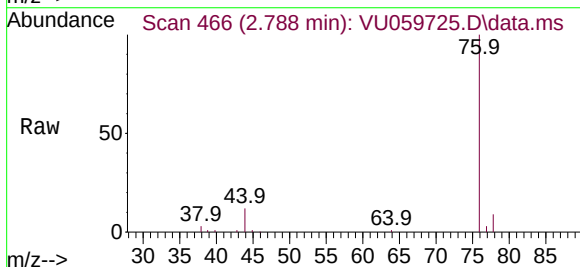
Acq: 02 Jul 2024 08:47

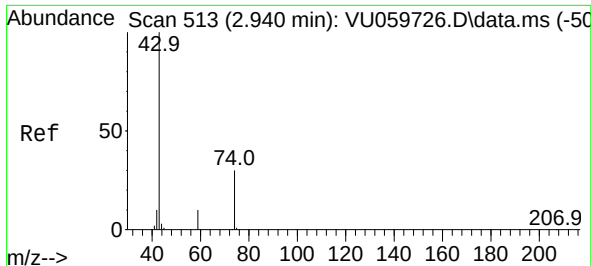
Tgt Ion: 76 Resp: 51191

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.4





#15

Methyl Acetate

Concen: 7.691 ug/L

RT: 2.946 min Scan# 513

Delta R.T. 0.006 min

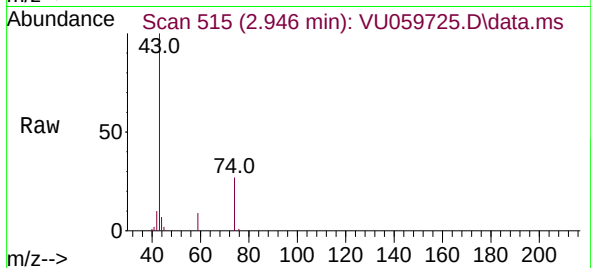
Lab File: VU059725.D

Acq: 02 Jul 2024 08:47

Instrument :

MSVOA_U

ClientSampleId :

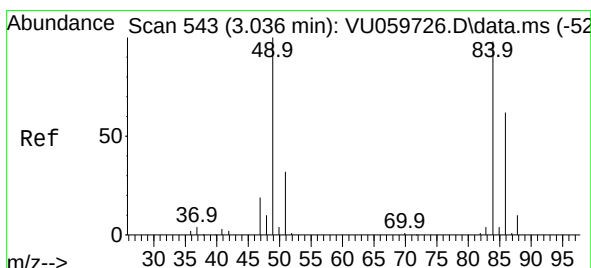
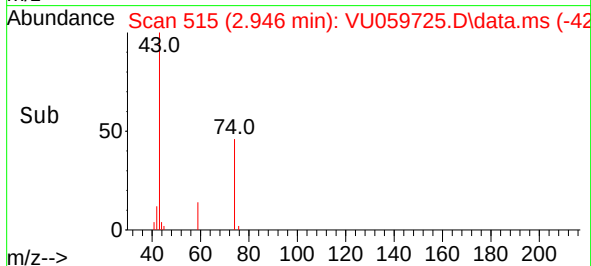
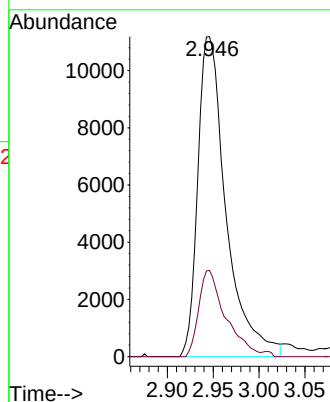


Tgt Ion: 43 Resp: 23989

Ion Ratio Lower Upper

43 100

74 25.4 24.1 36.1



#16

Methylene chloride

Concen: 9.040 ug/L

RT: 3.039 min Scan# 544

Delta R.T. 0.003 min

Lab File: VU059725.D

Acq: 02 Jul 2024 08:47

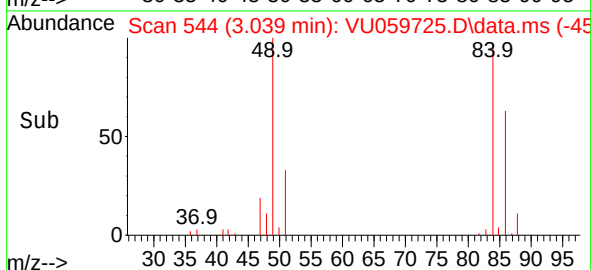
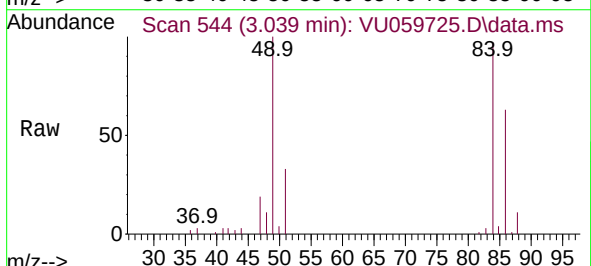
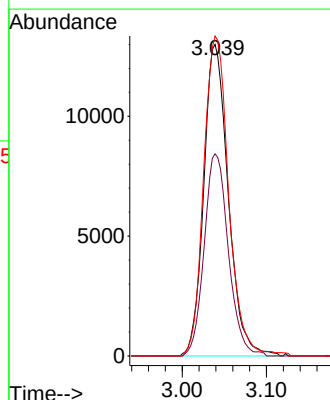
Tgt Ion: 84 Resp: 26309

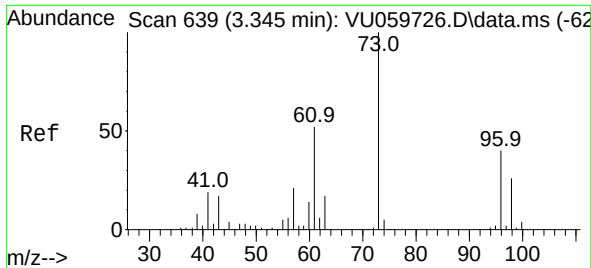
Ion Ratio Lower Upper

84 100

86 64.9 44.7 83.1

49 102.7 71.6 133.0





#17

trans-1,2-Dichloroethene

Concen: 8.963 ug/L

RT: 3.348 min Scan# 640

Delta R.T. 0.003 min

Lab File: VU059725.D

Acq: 02 Jul 2024 08:47

Instrument :

MSVOA_U

ClientSampleId :

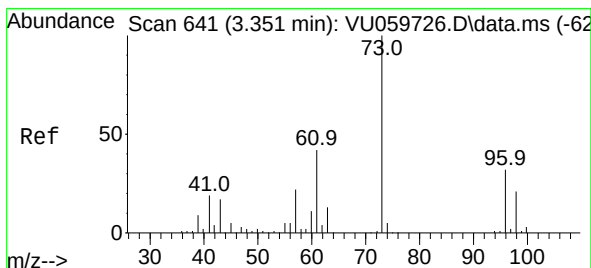
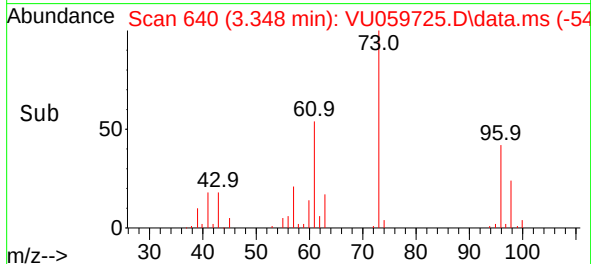
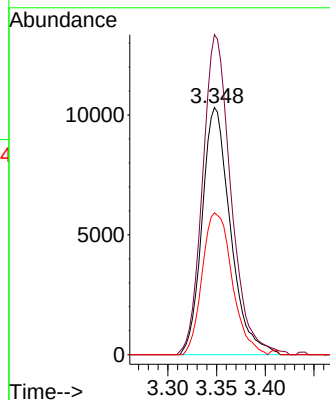
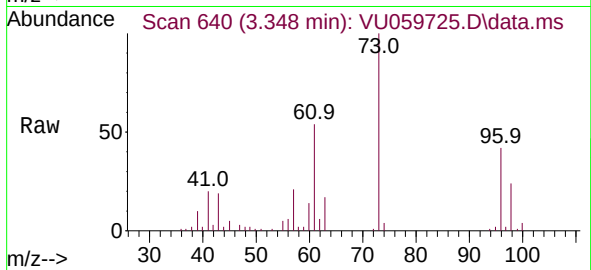
Tgt Ion: 96 Resp: 20870

Ion Ratio Lower Upper

96 100

61 129.4 90.6 168.3

98 57.4 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 8.510 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.003 min

Lab File: VU059725.D

Acq: 02 Jul 2024 08:47

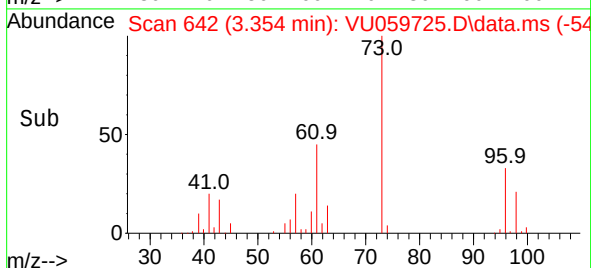
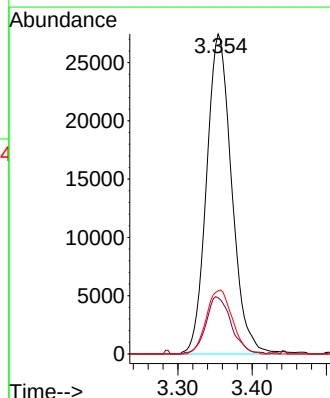
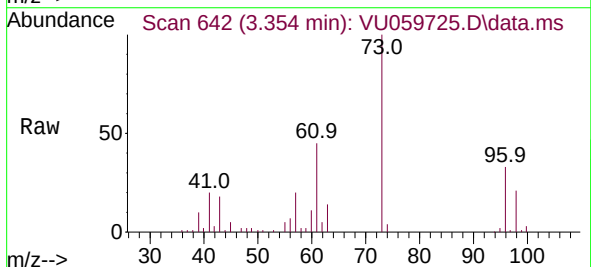
Tgt Ion: 73 Resp: 64499

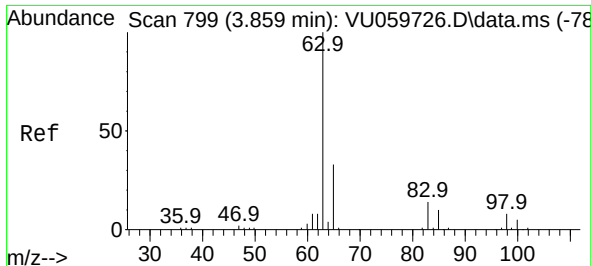
Ion Ratio Lower Upper

73 100

43 18.0 14.1 21.1

57 20.6 17.1 25.7

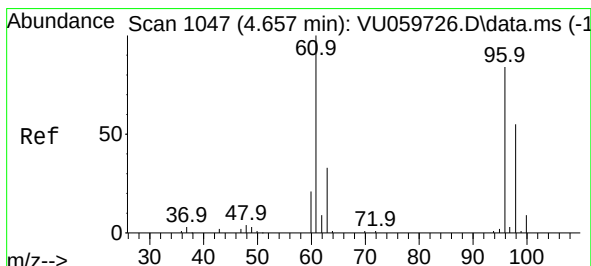
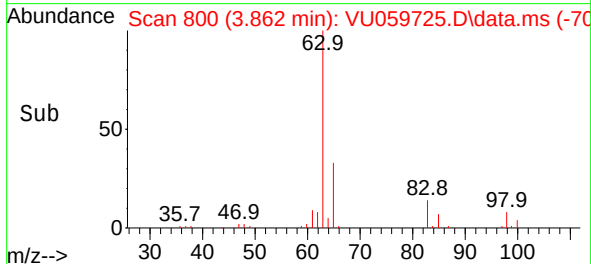
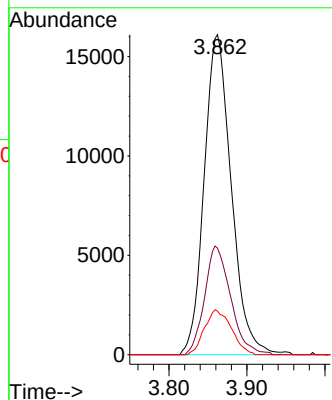
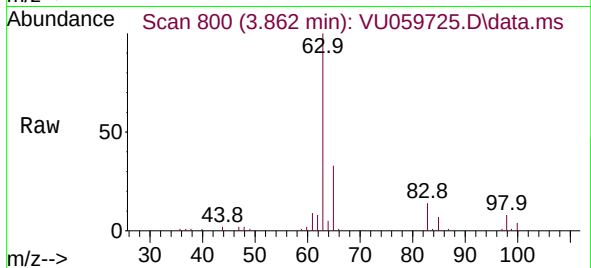




#19
1,1-Dichloroethane
Concen: 7.930 ug/L
RT: 3.862 min Scan# 80
Delta R.T. 0.003 min
Lab File: VU059725.D
Acq: 02 Jul 2024 08:47

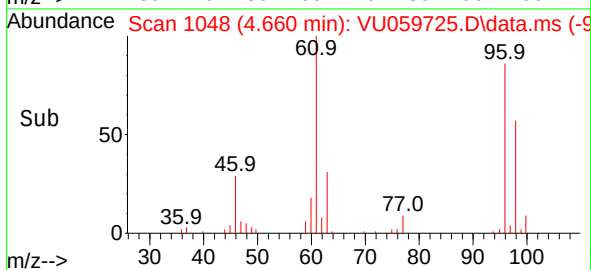
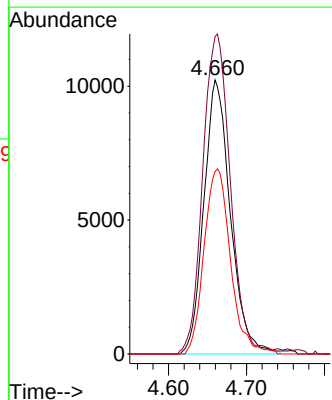
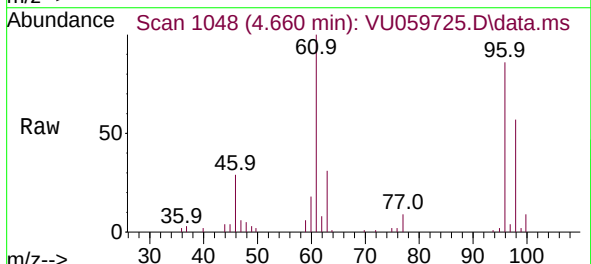
Instrument :
MSVOA_U
ClientSampleId :

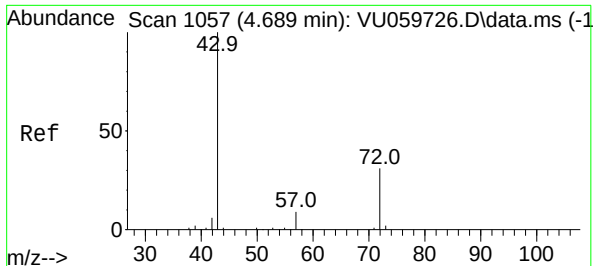
Tgt Ion: 63 Resp: 38903
Ion Ratio Lower Upper
63 100
65 33.3 23.3 43.3
83 13.6 9.8 18.2



#20
cis-1,2-Dichloroethene
Concen: 8.991 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. 0.003 min
Lab File: VU059725.D
Acq: 02 Jul 2024 08:47

Tgt Ion: 96 Resp: 24149
Ion Ratio Lower Upper
96 100
61 115.9 83.2 154.4
98 66.6 45.9 85.3

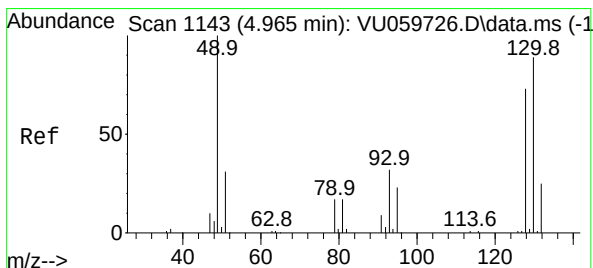
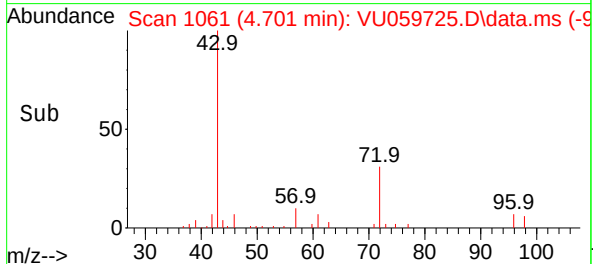
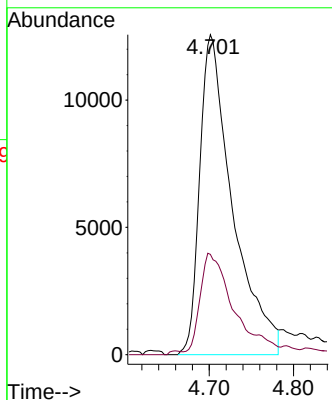
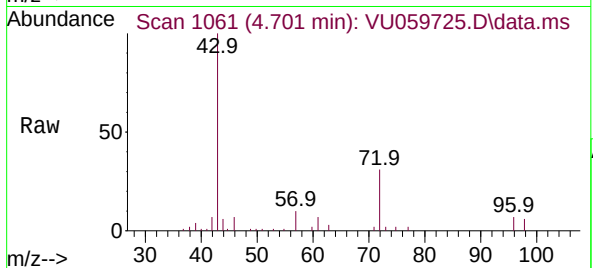




#22
2-Butanone
Concen: 14.179 ug/L
RT: 4.701 min Scan# 1061
Delta R.T. 0.013 min
Lab File: VU059725.D
Acq: 02 Jul 2024 08:47

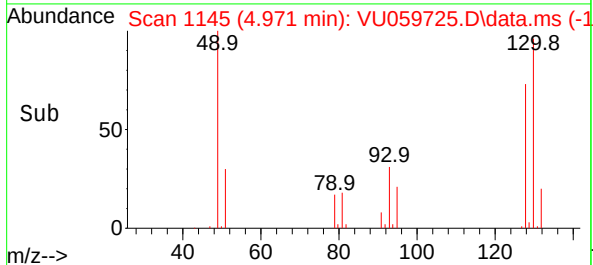
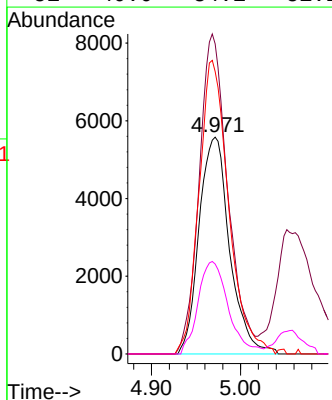
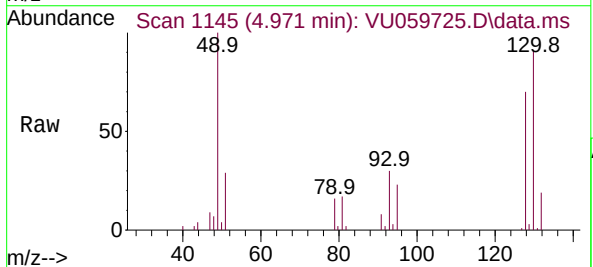
Instrument :
MSVOA_U
ClientSampleId :

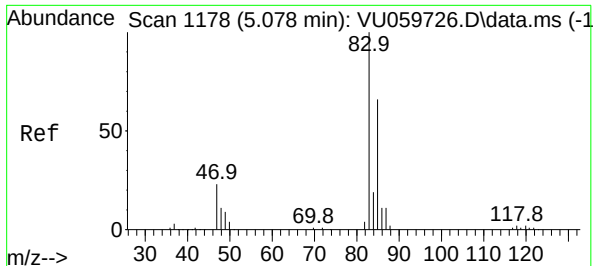
Tgt Ion: 43 Resp: 34051
Ion Ratio Lower Upper
43 100
72 28.4 16.4 49.2



#23
Bromochloromethane
Concen: 9.689 ug/L
RT: 4.971 min Scan# 1145
Delta R.T. 0.006 min
Lab File: VU059725.D
Acq: 02 Jul 2024 08:47

Tgt Ion:128 Resp: 13273
Ion Ratio Lower Upper
128 100
49 137.9 96.7 179.7
130 125.6 86.3 160.3
51 40.0 34.1 51.1





#25

Chloroform

Concen: 8.728 ug/L

RT: 5.081 min Scan# 1178

Delta R.T. 0.003 min

Lab File: VU059725.D

Acq: 02 Jul 2024 08:47

Instrument :

MSVOA_U

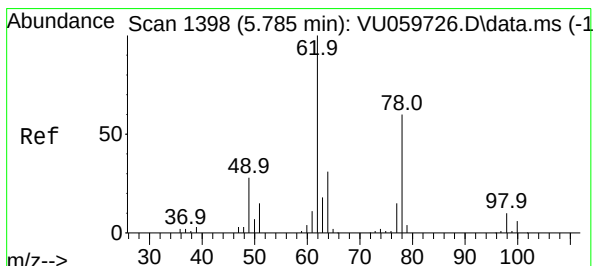
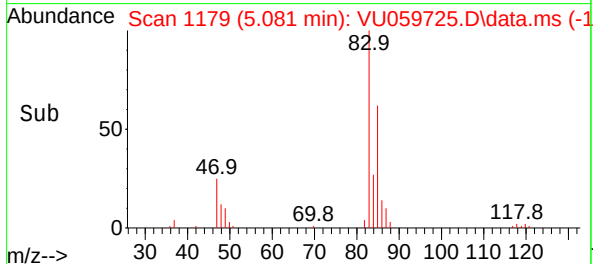
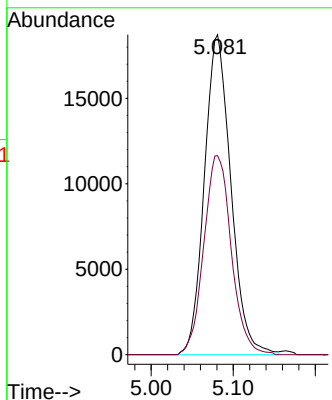
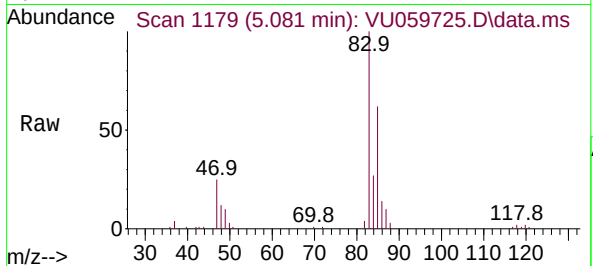
ClientSampleId :

Tgt Ion: 83 Resp: 42055

Ion Ratio Lower Upper

83 100

85 62.2 46.7 86.7



#27

1,2-Dichloroethane

Concen: 8.050 ug/L

RT: 5.791 min Scan# 1400

Delta R.T. 0.006 min

Lab File: VU059725.D

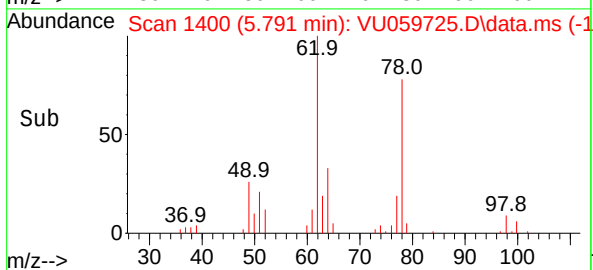
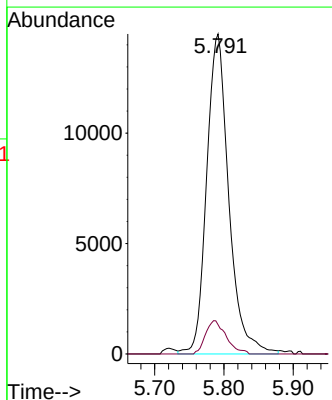
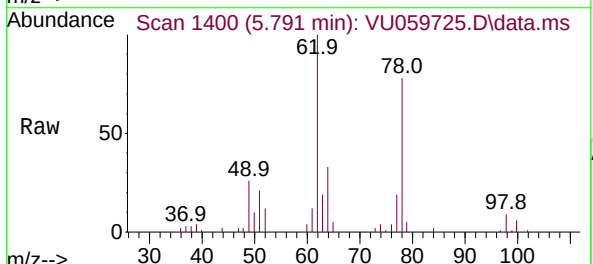
Acq: 02 Jul 2024 08:47

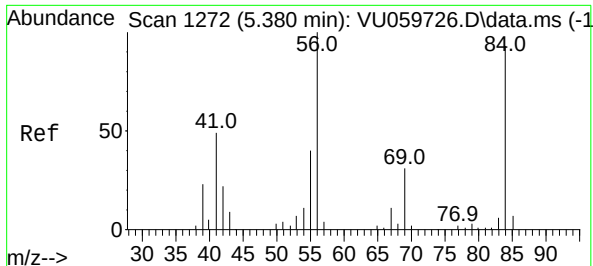
Tgt Ion: 62 Resp: 32113

Ion Ratio Lower Upper

62 100

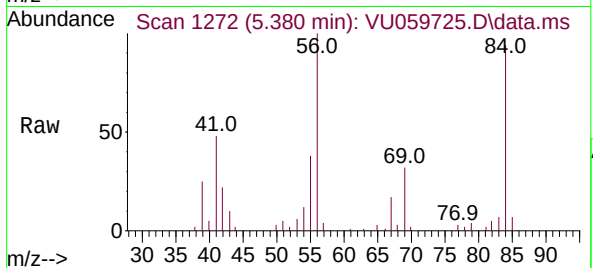
98 9.1 7.8 11.8



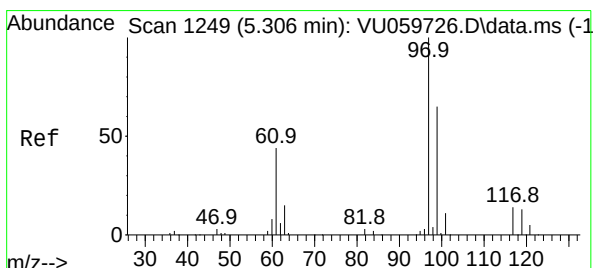
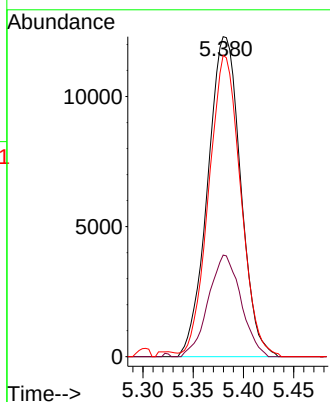
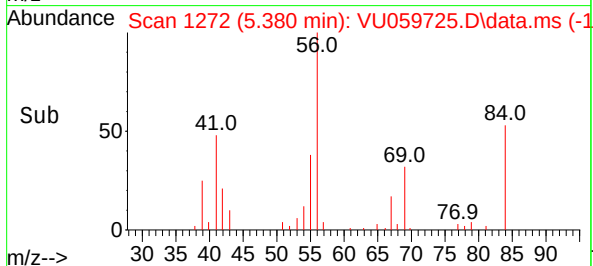


#29
Cyclohexane
Concen: 7.235 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VU059725.D
Acq: 02 Jul 2024 08:47

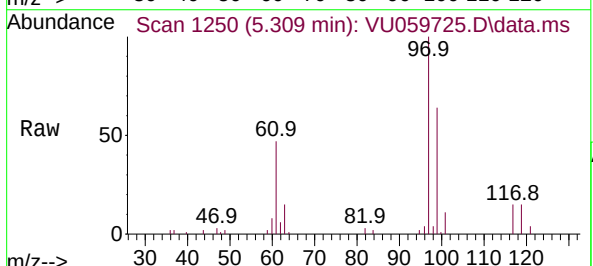
Instrument :
MSVOA_U
ClientSampleId :



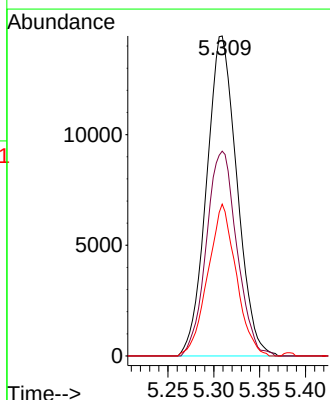
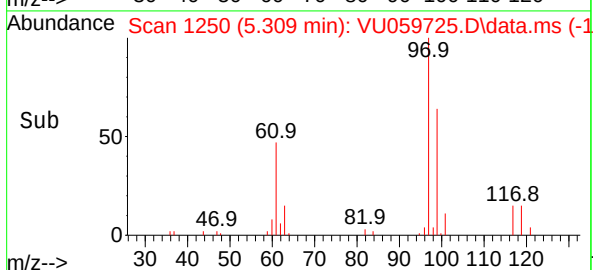
Tgt Ion: 56	Resp: 28017
Ion Ratio	Lower Upper
56	100
69	31.4 26.0 39.0
84	91.5 75.5 113.3

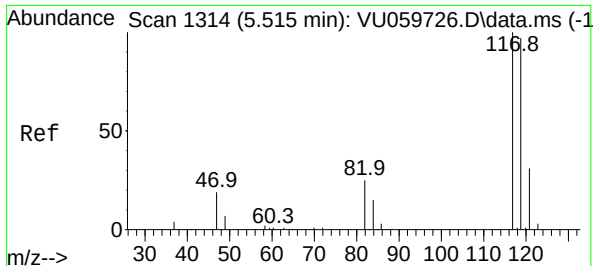


#30
1,1,1-Trichloroethane
Concen: 8.589 ug/L
RT: 5.309 min Scan# 1250
Delta R.T. 0.003 min
Lab File: VU059725.D
Acq: 02 Jul 2024 08:47



Tgt Ion: 97	Resp: 33339
Ion Ratio	Lower Upper
97	100
99	64.3 52.2 78.2
61	44.3 35.2 52.8

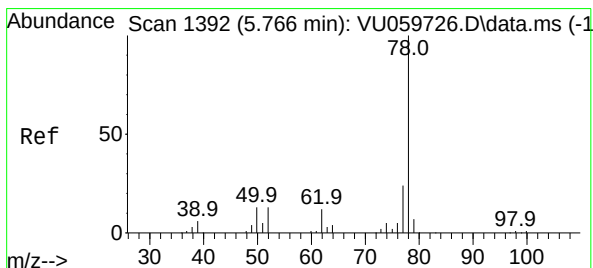
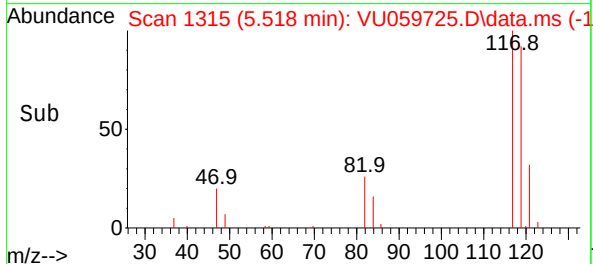
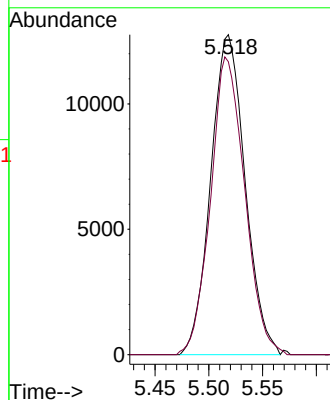
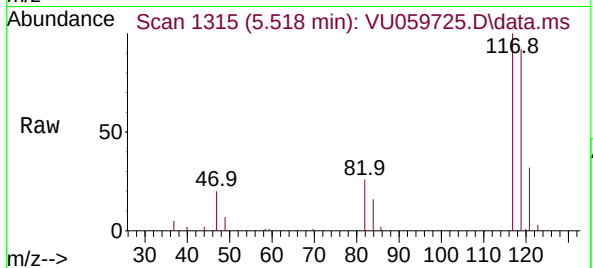




#31
Carbon tetrachloride
Concen: 8.960 ug/L
RT: 5.518 min Scan# 1314
Delta R.T. 0.003 min
Lab File: VU059725.D
Acq: 02 Jul 2024 08:47

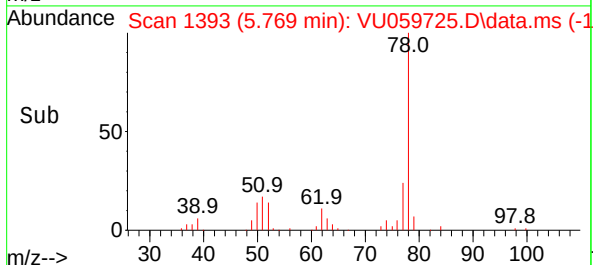
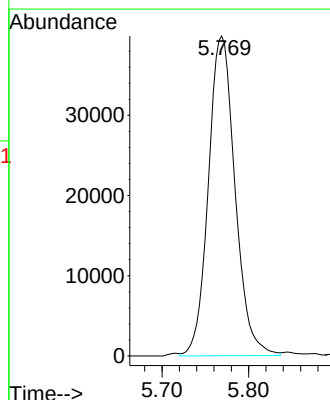
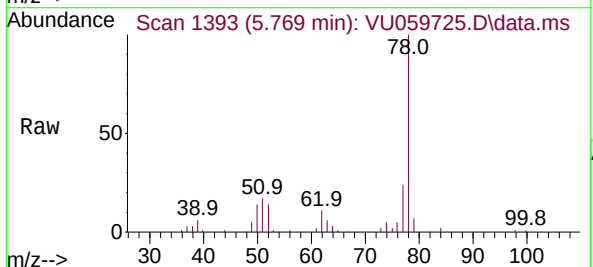
Instrument :
MSVOA_U
ClientSampleId :

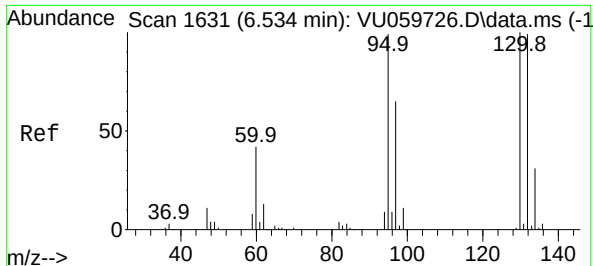
Tgt Ion:117 Resp: 28355
Ion Ratio Lower Upper
117 100
119 92.5 77.6 116.4



#33
Benzene
Concen: 7.983 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.003 min
Lab File: VU059725.D
Acq: 02 Jul 2024 08:47

Tgt Ion: 78 Resp: 85329

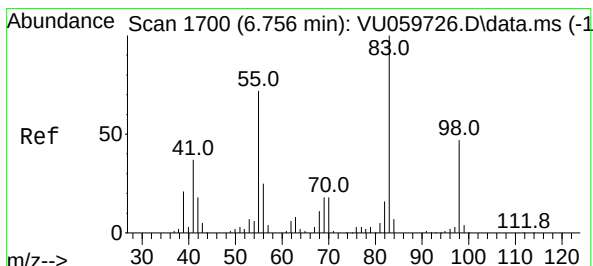
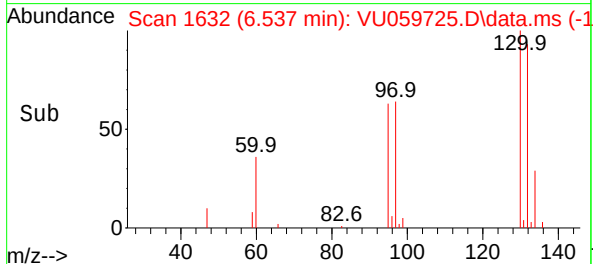
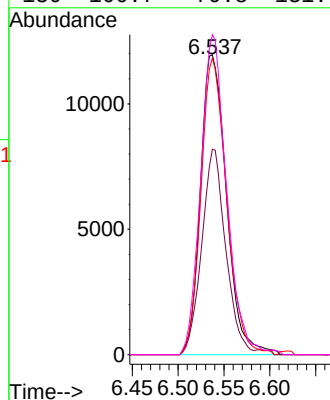
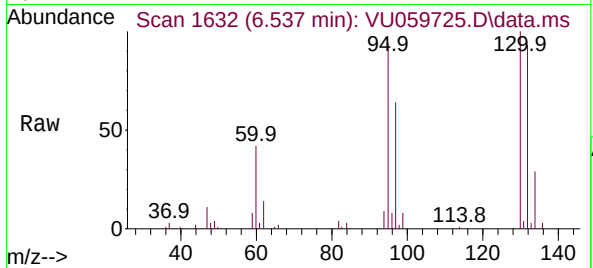




#34
Trichloroethene
Concen: 8.948 ug/L
RT: 6.537 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU059725.D
Acq: 02 Jul 2024 08:47

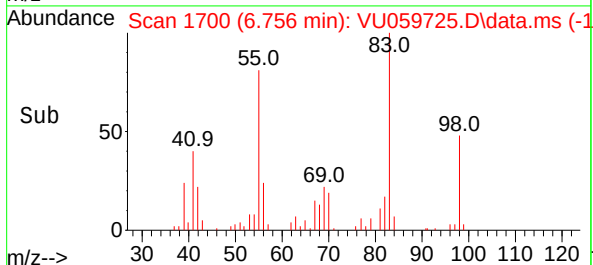
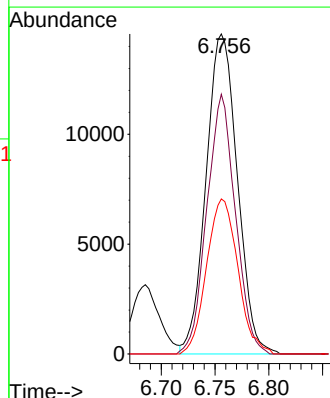
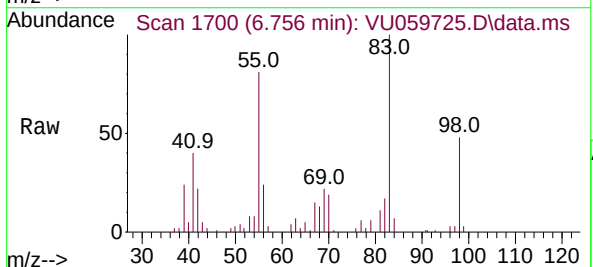
Instrument :
MSVOA_U
ClientSampleId :

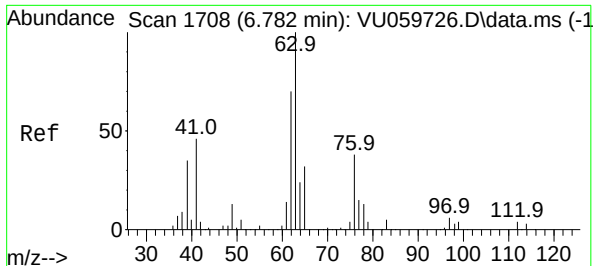
Tgt Ion: 95 Resp: 23645
Ion Ratio Lower Upper
95 100
97 68.5 45.8 85.2
132 98.9 69.8 129.6
130 106.7 70.8 131.6



#35
Methylcyclohexane
Concen: 7.691 ug/L
RT: 6.756 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VU059725.D
Acq: 02 Jul 2024 08:47

Tgt Ion: 83 Resp: 29506
Ion Ratio Lower Upper
83 100
55 74.1 56.8 85.2
98 48.5 36.5 54.7

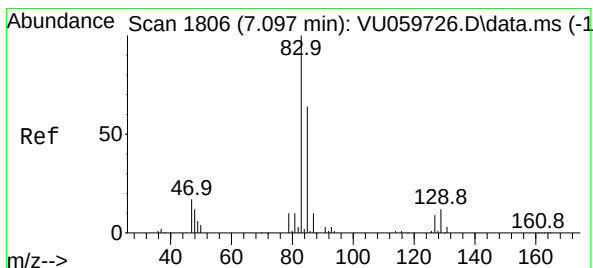
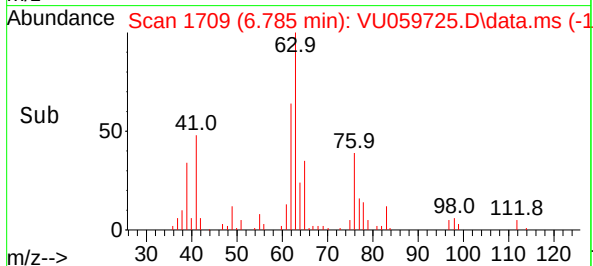
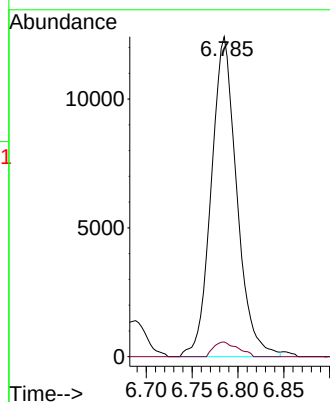
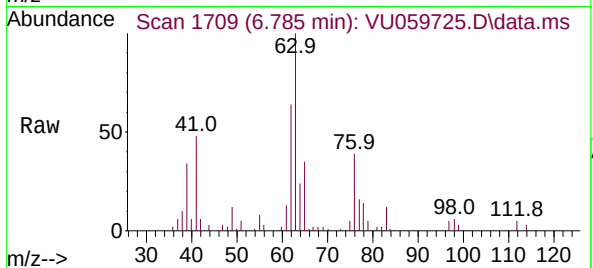




#37
1,2-Dichloropropane
Concen: 7.990 ug/L
RT: 6.785 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU059725.D
Acq: 02 Jul 2024 08:47

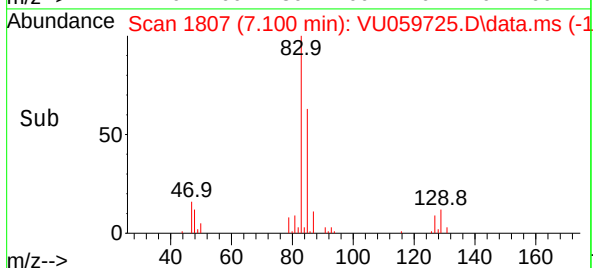
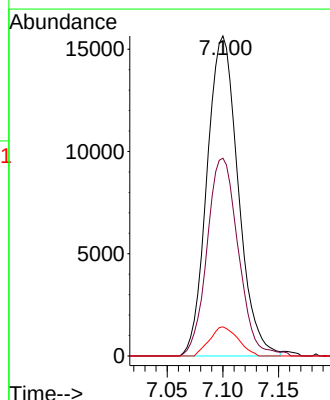
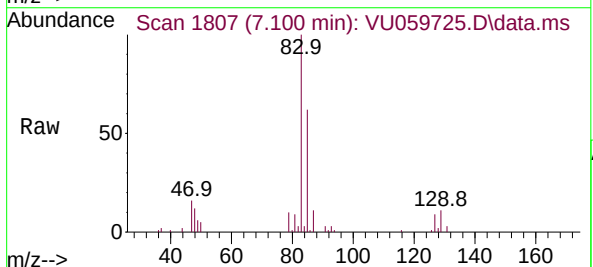
Instrument :
MSVOA_U
ClientSampleId :

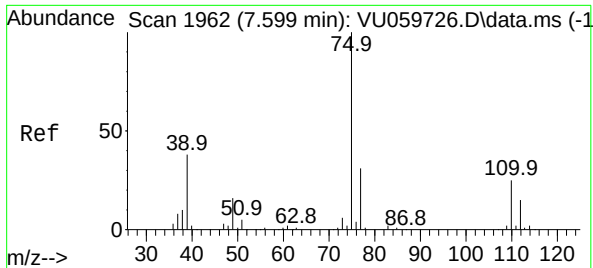
Tgt Ion: 63 Resp: 24116
Ion Ratio Lower Upper
63 100
112 4.3 3.0 4.6



#38
Bromodichloromethane
Concen: 8.518 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU059725.D
Acq: 02 Jul 2024 08:47

Tgt Ion: 83 Resp: 30470
Ion Ratio Lower Upper
83 100
85 61.8 45.0 83.6
127 9.1 7.4 11.2

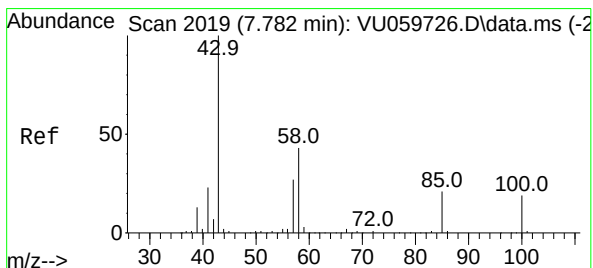
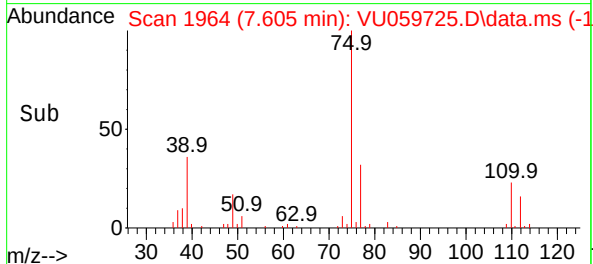
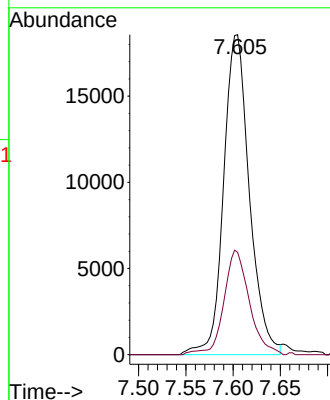
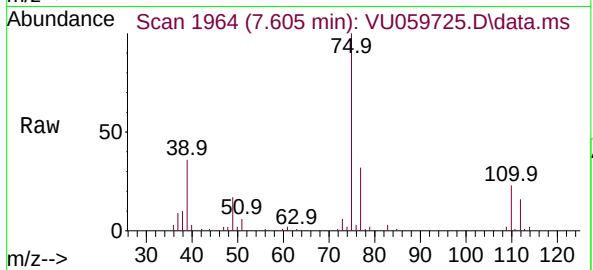




#39
 cis-1,3-Dichloropropene
 Concen: 8.318 ug/L
 RT: 7.605 min Scan# 1964
 Delta R.T. 0.006 min
 Lab File: VU059725.D
 Acq: 02 Jul 2024 08:47

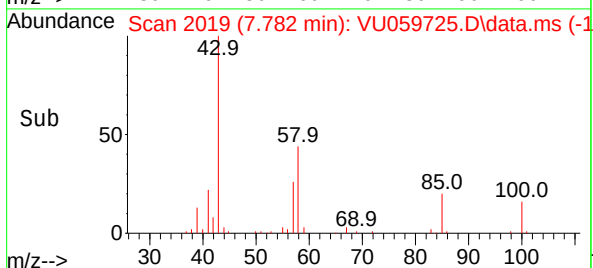
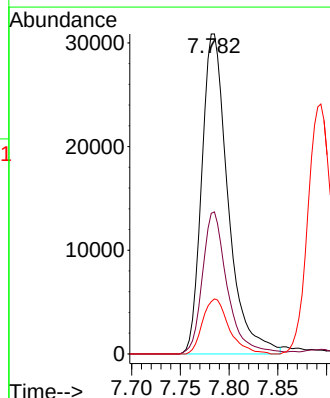
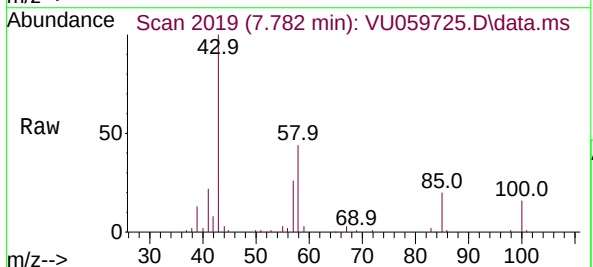
Instrument :
 MSVOA_U
 ClientSampleId :

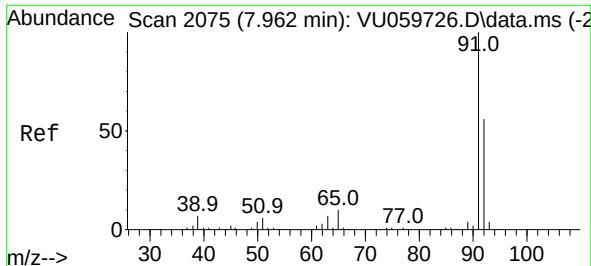
Tgt Ion: 75 Resp: 35259
 Ion Ratio Lower Upper
 75 100
 77 32.0 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 14.797 ug/L
 RT: 7.782 min Scan# 2019
 Delta R.T. -0.000 min
 Lab File: VU059725.D
 Acq: 02 Jul 2024 08:47

Tgt Ion: 43 Resp: 58030
 Ion Ratio Lower Upper
 43 100
 58 42.2 35.3 52.9
 100 17.2 14.6 22.0





#42

Toluene

Concen: 8.792 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU059725.D

Acq: 02 Jul 2024 08:47

Instrument :

MSVOA_U

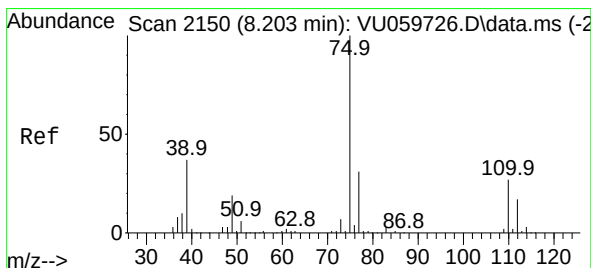
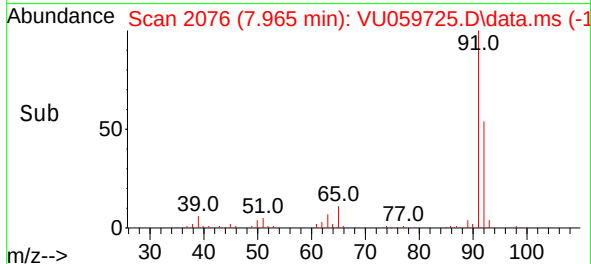
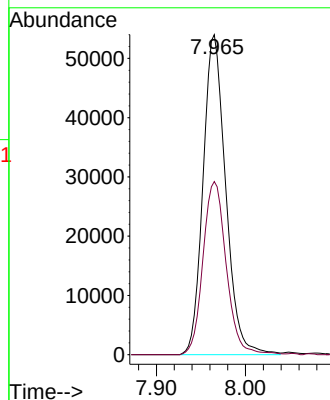
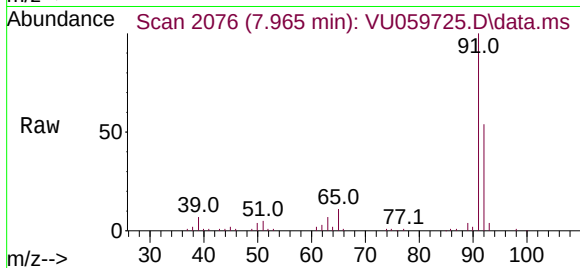
ClientSampleId :

Tgt Ion: 91 Resp: 95311

Ion Ratio Lower Upper

91 100

92 54.1 39.3 72.9



#44

trans-1,3-Dichloropropene

Concen: 8.647 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU059725.D

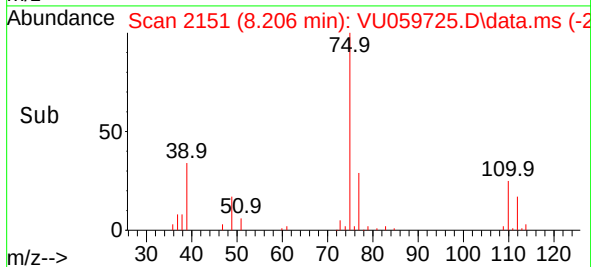
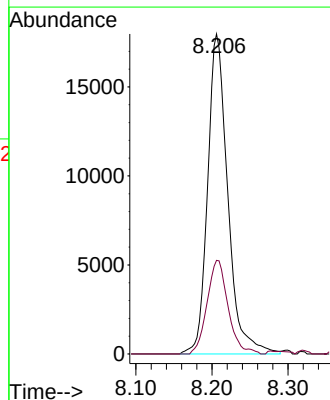
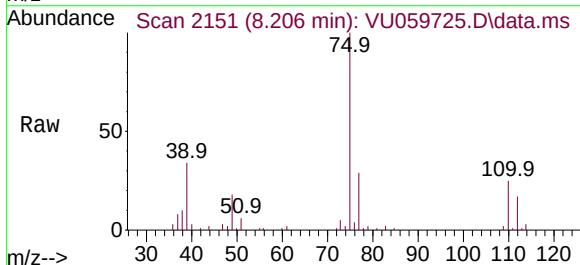
Acq: 02 Jul 2024 08:47

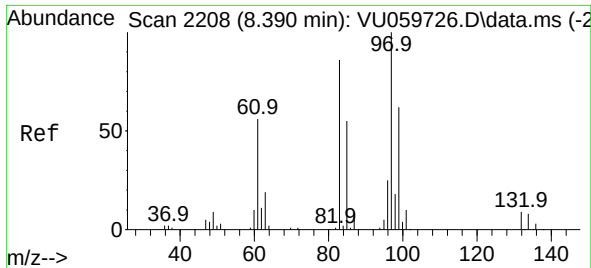
Tgt Ion: 75 Resp: 33095

Ion Ratio Lower Upper

75 100

77 29.3 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 9.489 ug/L

RT: 8.393 min Scan# 2209

Delta R.T. 0.003 min

Lab File: VU059725.D

Acq: 02 Jul 2024 08:47

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 26361

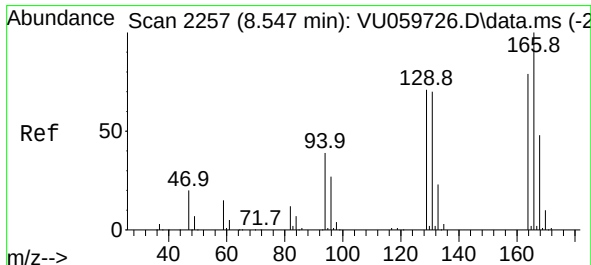
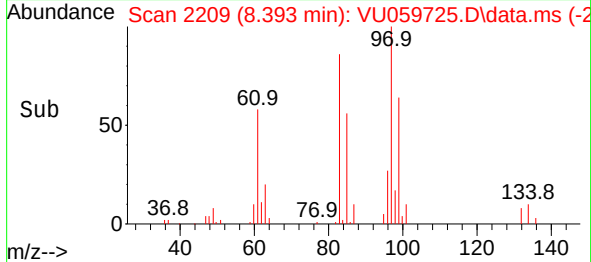
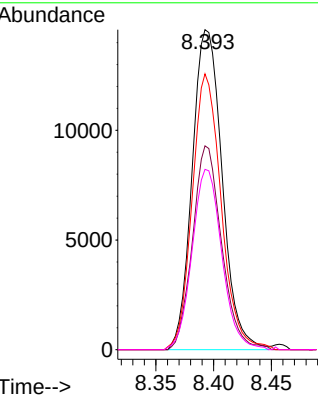
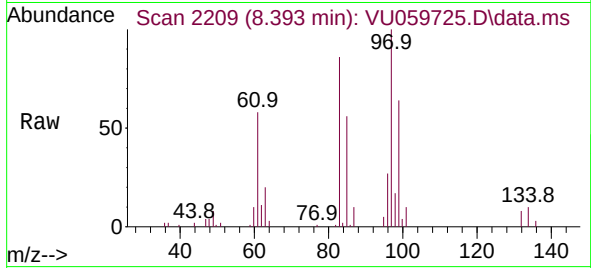
Ion Ratio Lower Upper

97 100

99 63.7 43.1 80.1

83 86.2 60.4 112.2

85 56.4 38.8 72.0



#46

Tetrachloroethene

Concen: 10.253 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. -0.000 min

Lab File: VU059725.D

Acq: 02 Jul 2024 08:47

Tgt Ion:164 Resp: 18771

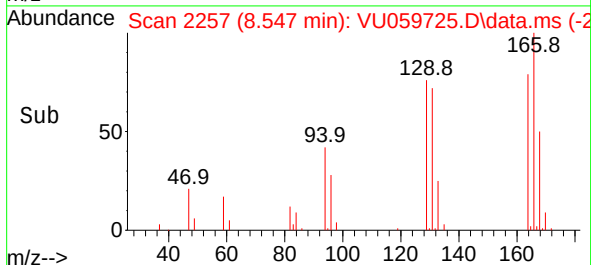
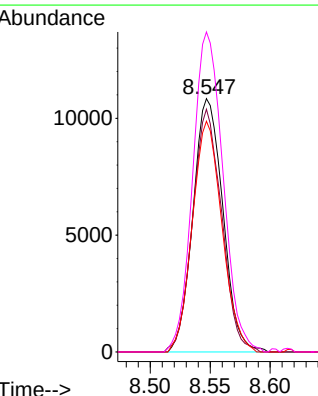
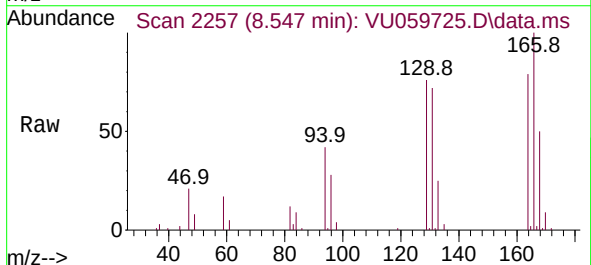
Ion Ratio Lower Upper

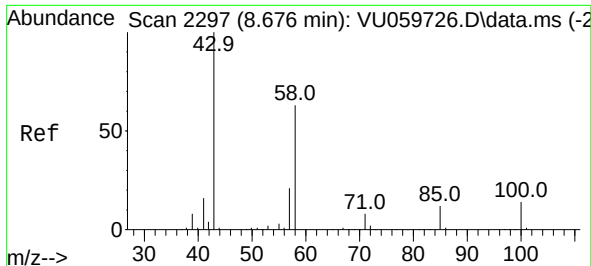
164 100

129 93.9 62.7 116.5

131 89.2 62.3 115.7

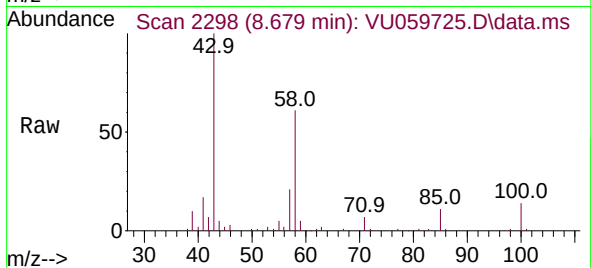
166 123.8 88.9 165.1



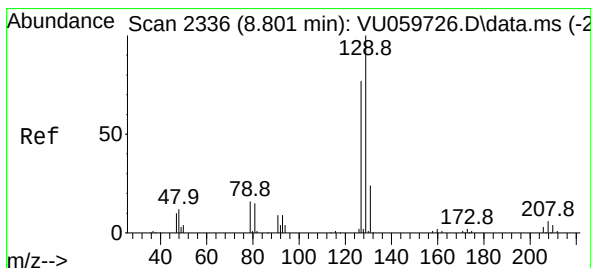
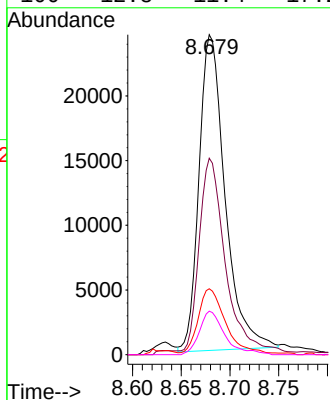
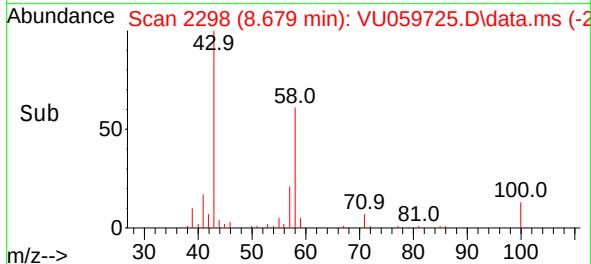


#48
2-Hexanone
Concen: 13.712 ug/L
RT: 8.679 min Scan# 2297
Delta R.T. 0.003 min
Lab File: VU059725.D
Acq: 02 Jul 2024 08:47

Instrument :
MSVOA_U
ClientSampleId :

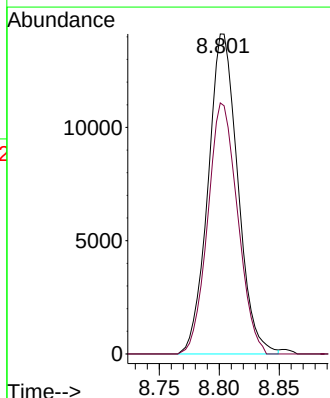
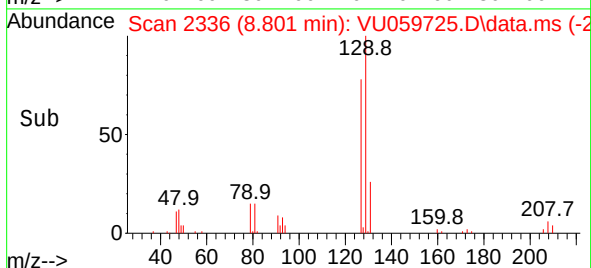
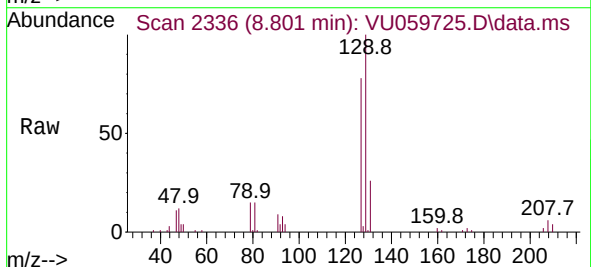


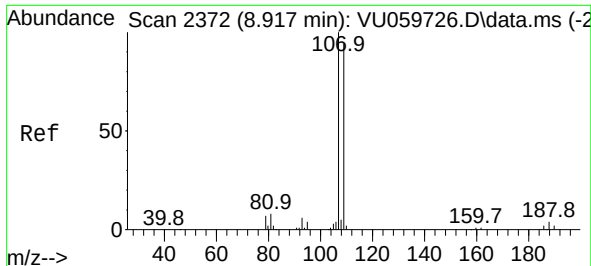
Tgt Ion: 43 Resp: 45407
Ion Ratio Lower Upper
43 100
58 62.2 49.0 73.6
57 22.4 16.7 25.1
100 12.8 11.4 17.2



#49
Dibromochloromethane
Concen: 9.578 ug/L
RT: 8.801 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VU059725.D
Acq: 02 Jul 2024 08:47

Tgt Ion: 129 Resp: 24398
Ion Ratio Lower Upper
129 100
127 81.9 54.0 100.2

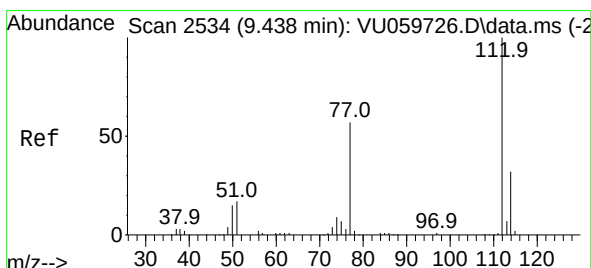
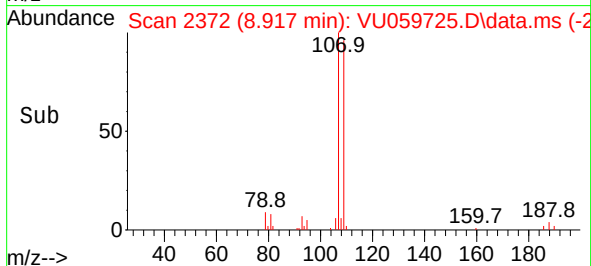
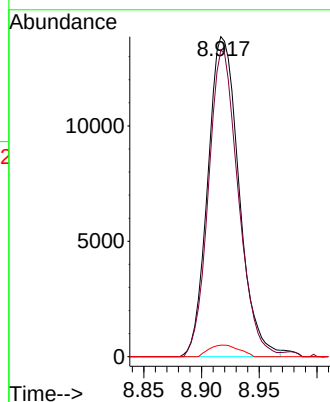
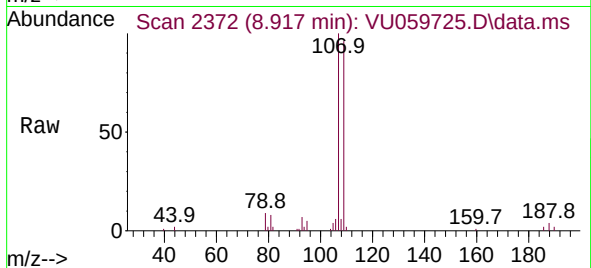




#50
1,2-Dibromoethane
Concen: 9.021 ug/L
RT: 8.917 min Scan# 24
Delta R.T. -0.000 min
Lab File: VU059725.D
Acq: 02 Jul 2024 08:47

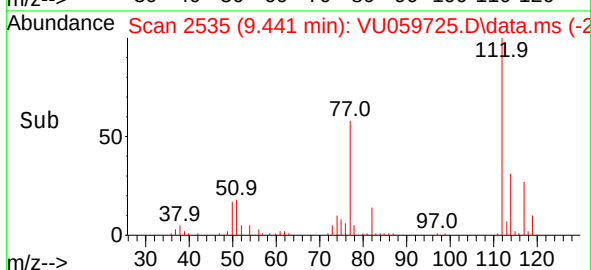
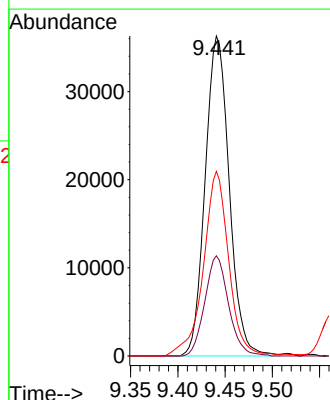
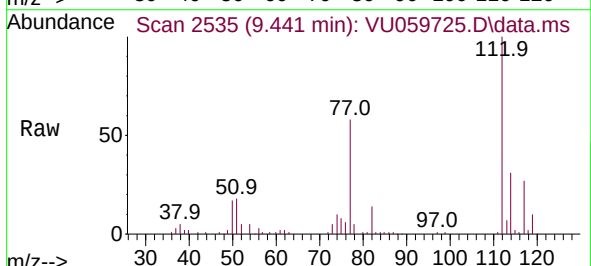
Instrument :
MSVOA_U
ClientSampleId :

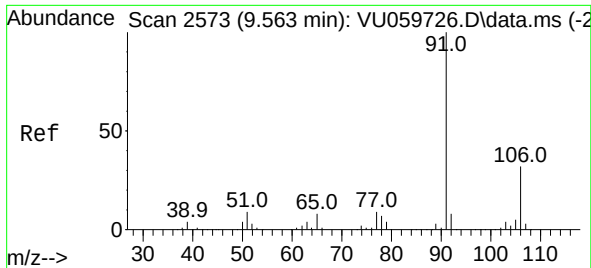
Tgt Ion:107 Resp: 25976
Ion Ratio Lower Upper
107 100
109 95.8 65.5 121.6
188 3.6 3.0 4.4



#51
Chlorobenzene
Concen: 9.654 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.003 min
Lab File: VU059725.D
Acq: 02 Jul 2024 08:47

Tgt Ion:112 Resp: 64270
Ion Ratio Lower Upper
112 100
114 31.3 22.7 42.3
77 57.7 45.8 68.6





#52

Ethylbenzene

Concen: 8.597 ug/L

RT: 9.566 min Scan# 2573

Delta R.T. 0.003 min

Lab File: VU059725.D

Acq: 02 Jul 2024 08:47

Instrument :

MSVOA_U

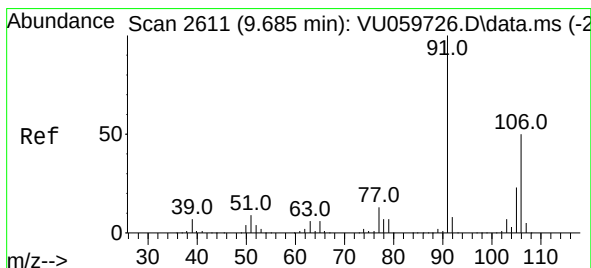
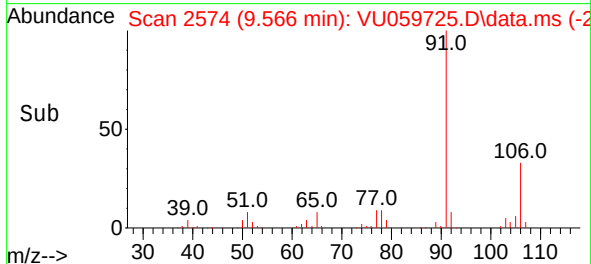
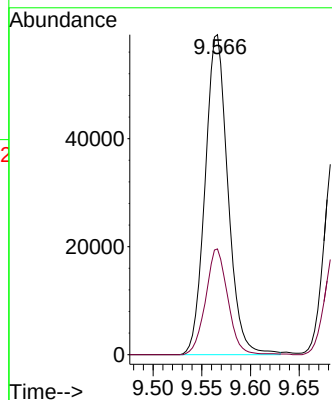
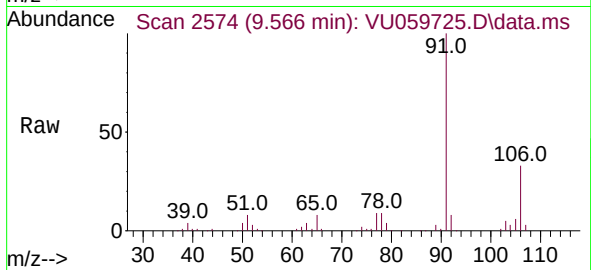
ClientSampleId :

Tgt Ion: 91 Resp: 96422

Ion Ratio Lower Upper

91 100

106 33.0 22.4 41.6



#53

m,p-Xylene

Concen: 9.086 ug/L

RT: 9.688 min Scan# 2612

Delta R.T. 0.003 min

Lab File: VU059725.D

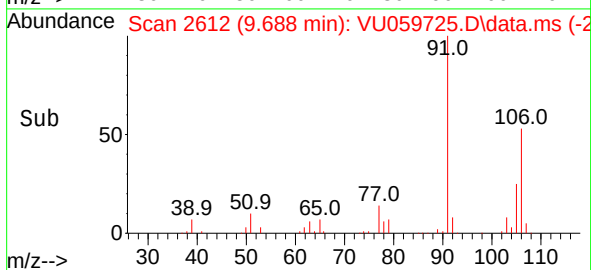
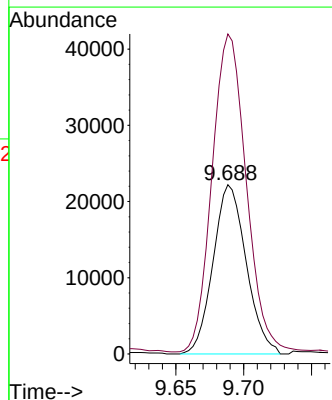
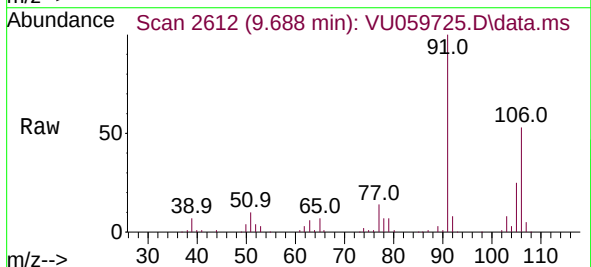
Acq: 02 Jul 2024 08:47

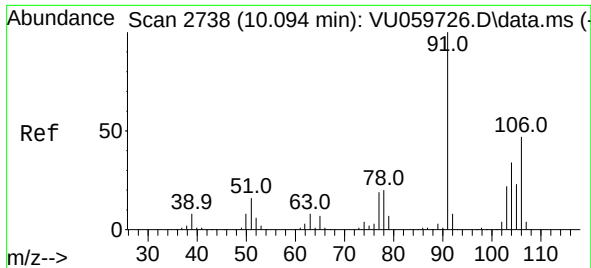
Tgt Ion:106 Resp: 37746

Ion Ratio Lower Upper

106 100

91 189.0 140.9 261.7

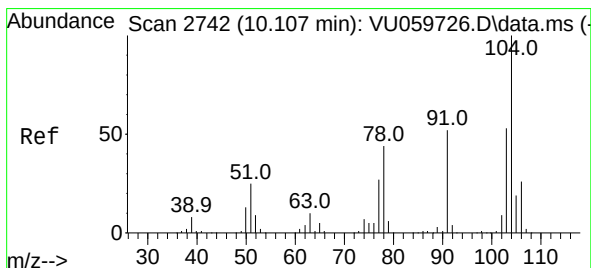
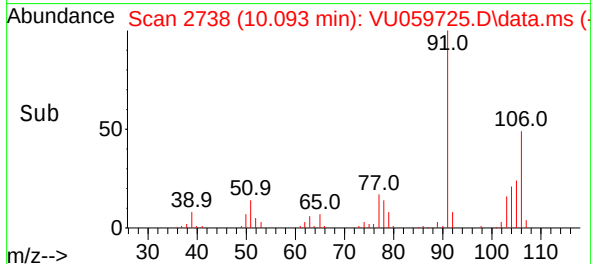
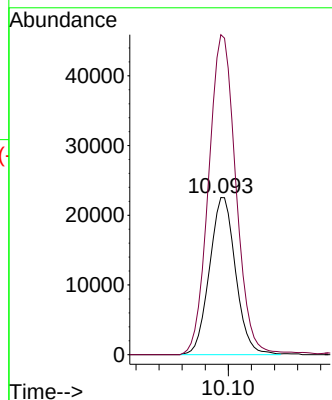
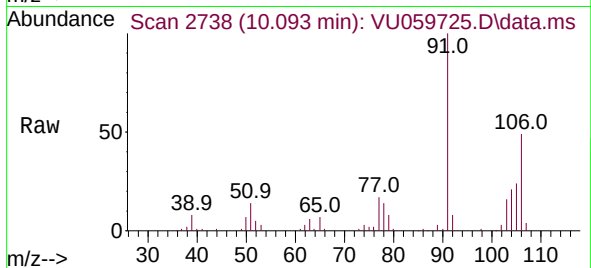




#54
o-Xylene
Concen: 8.790 ug/L
RT: 10.093 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU059725.D
Acq: 02 Jul 2024 08:47

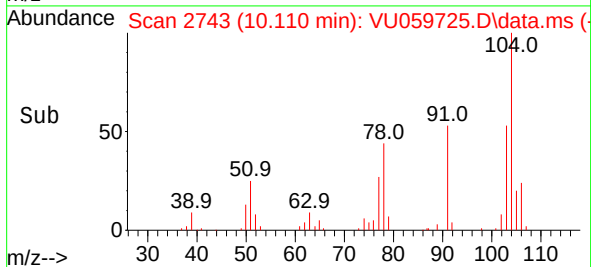
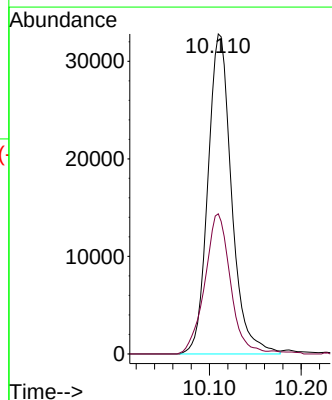
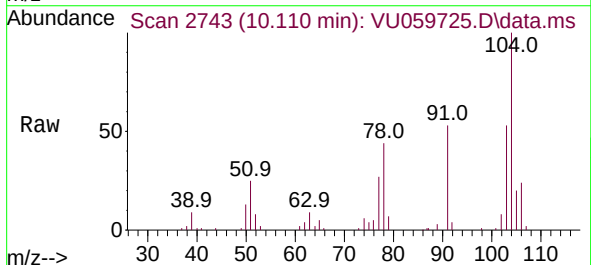
Instrument :
MSVOA_U
ClientSampleId :

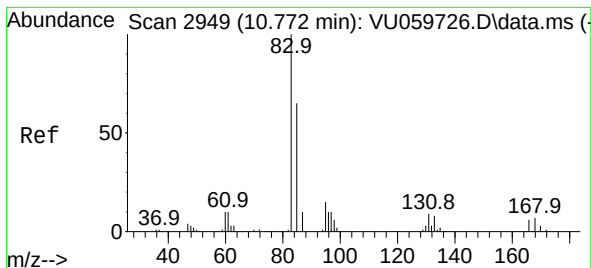
Tgt Ion:106 Resp: 35443
Ion Ratio Lower Upper
106 100
91 203.6 147.4 273.8



#55
Styrene
Concen: 8.599 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. 0.003 min
Lab File: VU059725.D
Acq: 02 Jul 2024 08:47

Tgt Ion:104 Resp: 58861
Ion Ratio Lower Upper
104 100
78 43.8 30.9 57.5





#57

1,1,2,2-Tetrachloroethane

Concen: 8.452 ug/L

RT: 10.775 min Scan# 2949

Delta R.T. 0.003 min

Lab File: VU059725.D

Acq: 02 Jul 2024 08:47

Instrument :

MSVOA_U

ClientSampleId :

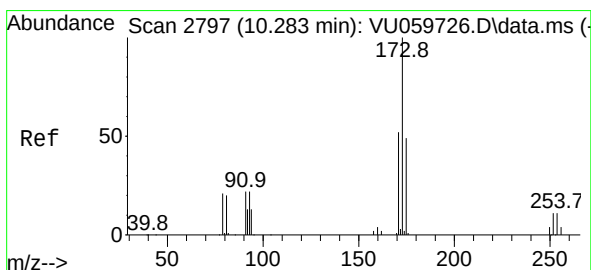
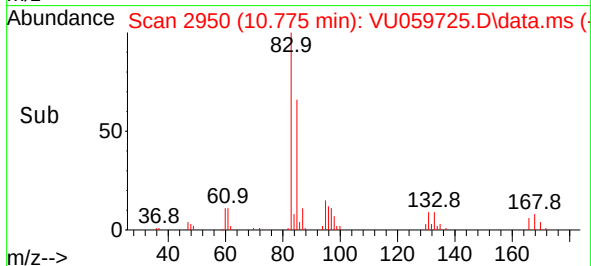
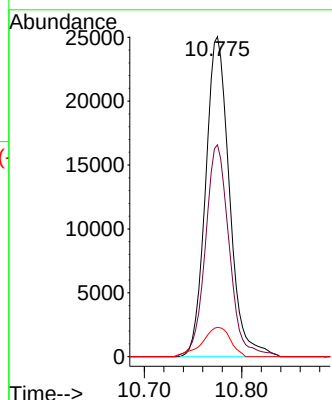
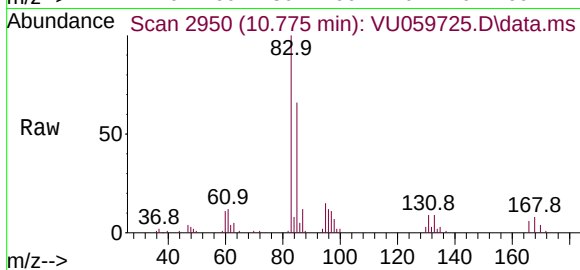
Tgt Ion: 83 Resp: 42491

Ion Ratio Lower Upper

83 100

85 66.2 45.4 84.2

131 9.2 7.5 11.3



#59

Bromoform

Concen: 9.784 ug/L

RT: 10.283 min Scan# 2797

Delta R.T. -0.000 min

Lab File: VU059725.D

Acq: 02 Jul 2024 08:47

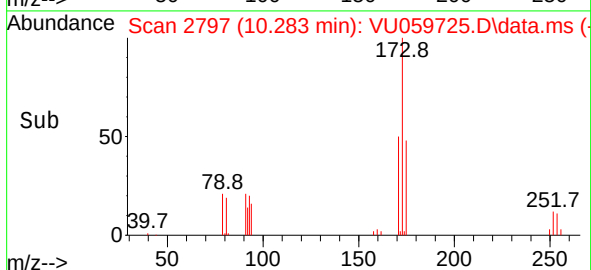
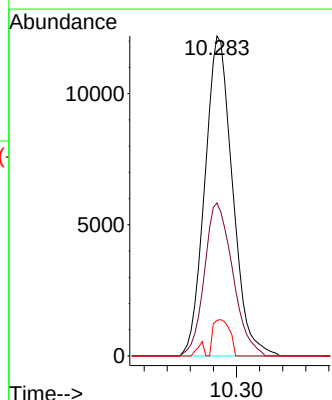
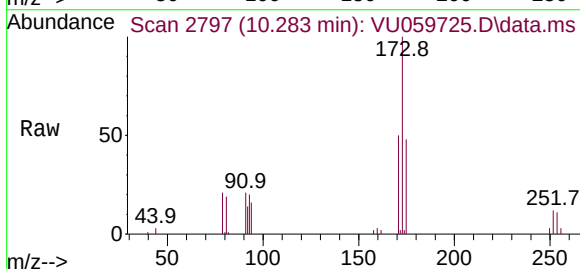
Tgt Ion:173 Resp: 20277

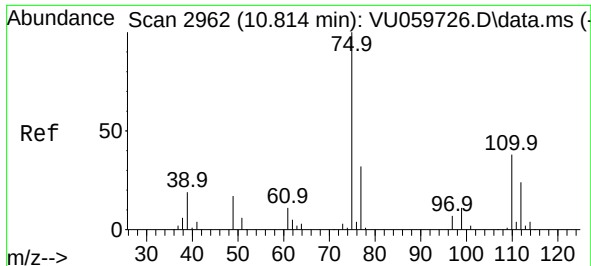
Ion Ratio Lower Upper

173 100

175 48.9 39.4 59.2

254 6.8 9.0 13.4#





#60

1,2,3-Trichloropropane

Concen: 7.920 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.003 min

Lab File: VU059725.D

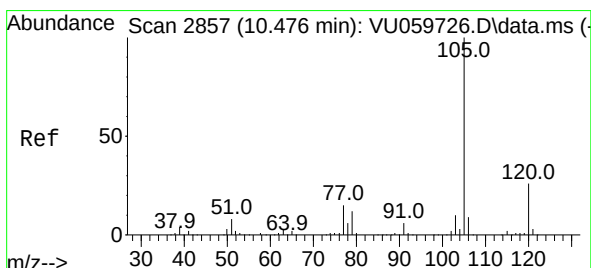
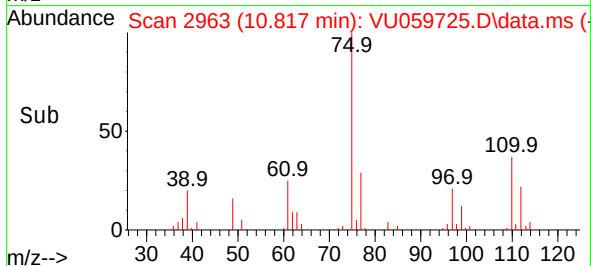
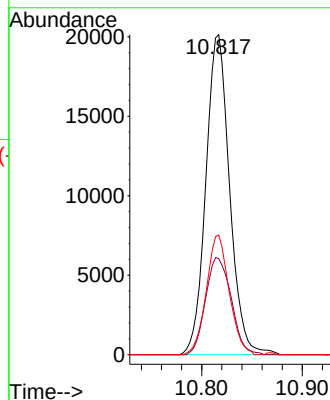
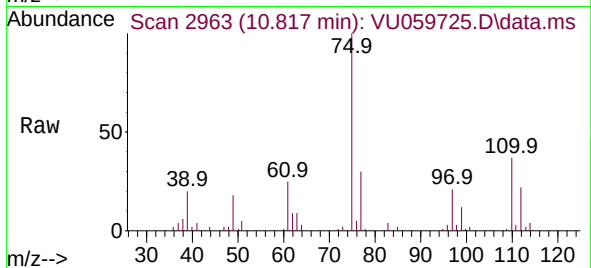
Acq: 02 Jul 2024 08:47

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 75	Resp: 33115
Ion Ratio	Lower Upper
75	100
77	32.7 25.5 38.3
110	35.8 30.7 46.1



#61

Isopropylbenzene

Concen: 8.677 ug/L

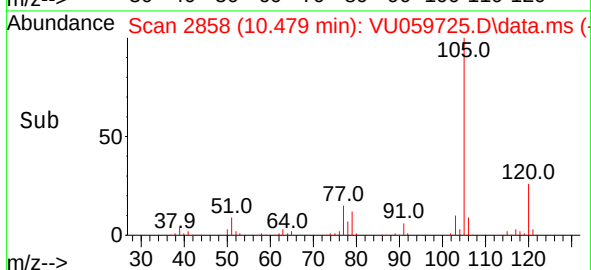
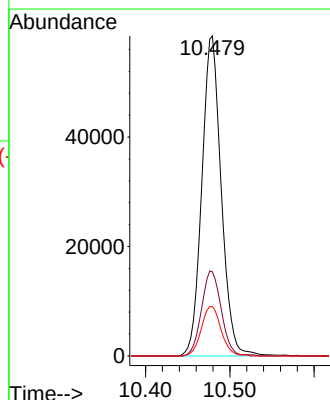
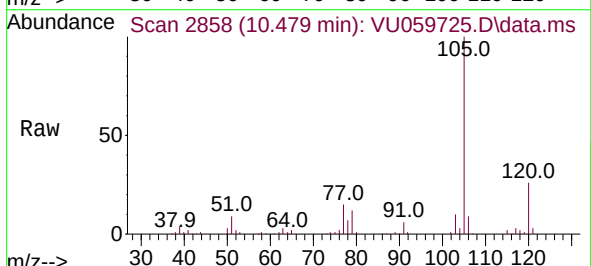
RT: 10.479 min Scan# 2858

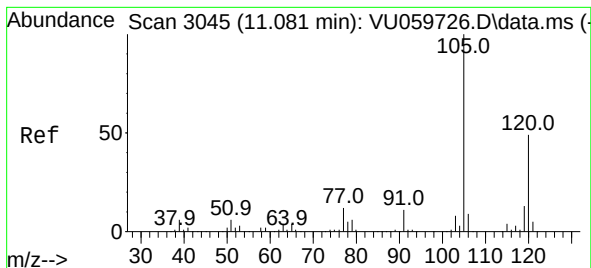
Delta R.T. 0.003 min

Lab File: VU059725.D

Acq: 02 Jul 2024 08:47

Tgt Ion: 105	Resp: 93690
Ion Ratio	Lower Upper
105	100
120	27.0 20.9 31.3
77	15.7 12.1 18.1





#62

1,3,5-Trimethylbenzene

Concen: 8.331 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU059725.D

Acq: 02 Jul 2024 08:47

Instrument :

MSVOA_U

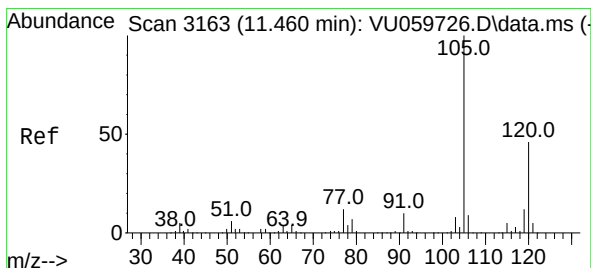
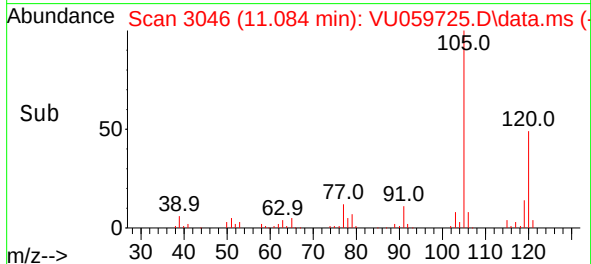
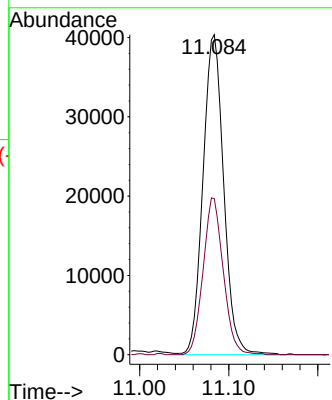
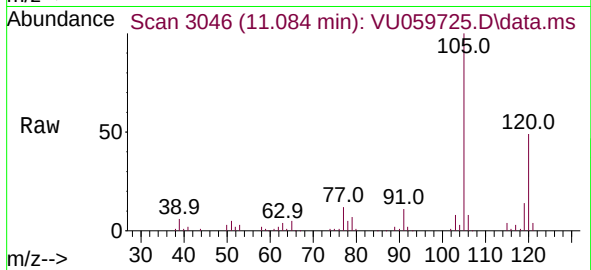
ClientSampleId :

Tgt Ion:105 Resp: 65181

Ion Ratio Lower Upper

105 100

120 47.5 39.5 59.3



#63

1,2,4-Trimethylbenzene

Concen: 8.012 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU059725.D

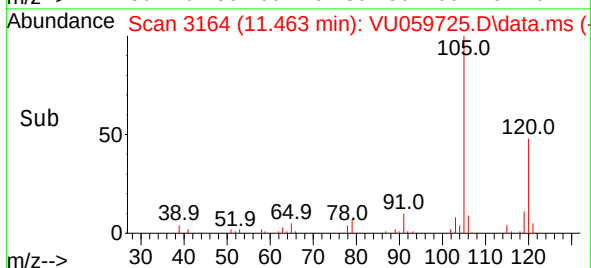
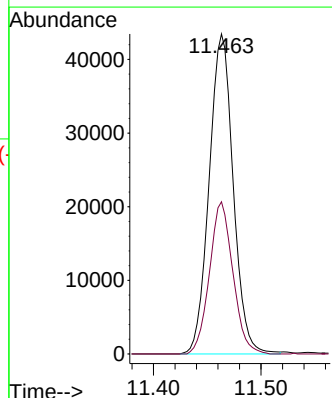
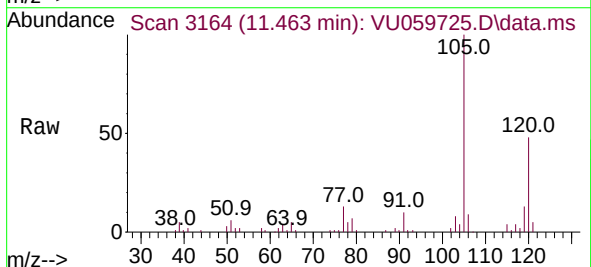
Acq: 02 Jul 2024 08:47

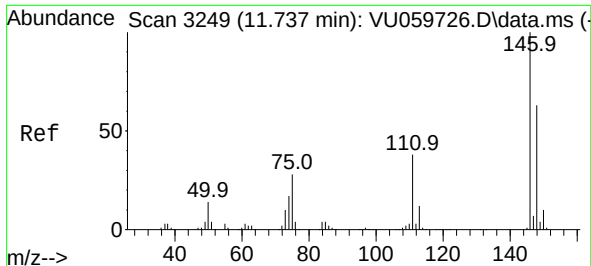
Tgt Ion:105 Resp: 67518

Ion Ratio Lower Upper

105 100

120 46.2 37.0 55.6





#64

1,3-Dichlorobenzene

Concen: 9.821 ug/L

RT: 11.740 min Scan# 3249

Delta R.T. 0.003 min

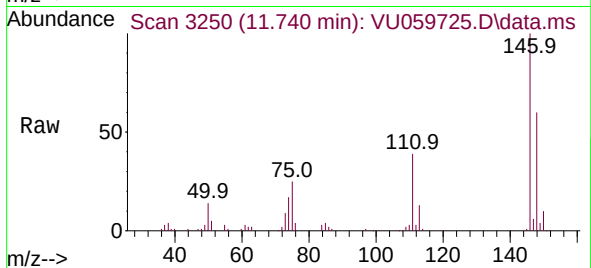
Lab File: VU059725.D

Acq: 02 Jul 2024 08:47

Instrument :

MSVOA_U

ClientSampleId :



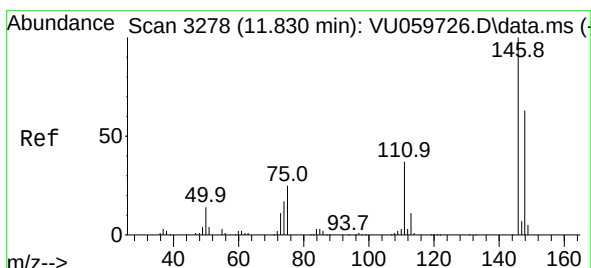
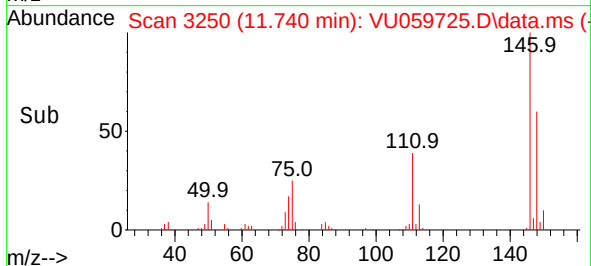
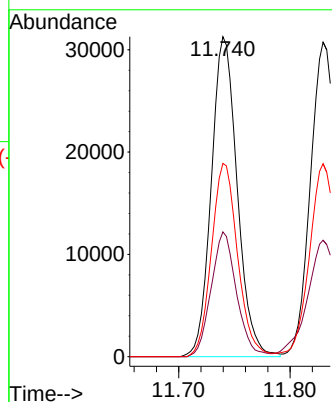
Tgt Ion:146 Resp: 50606

Ion Ratio Lower Upper

146 100

111 39.0 26.5 49.1

148 60.4 43.8 81.3



#65

1,4-Dichlorobenzene

Concen: 9.873 ug/L

RT: 11.830 min Scan# 3278

Delta R.T. -0.000 min

Lab File: VU059725.D

Acq: 02 Jul 2024 08:47

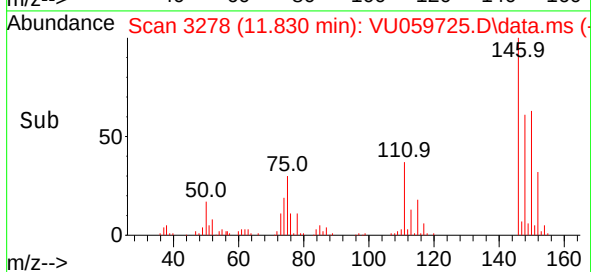
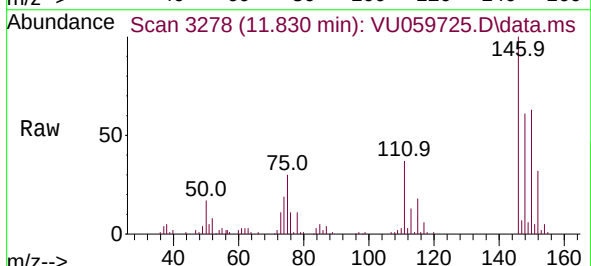
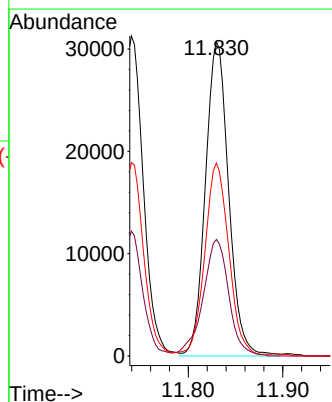
Tgt Ion:146 Resp: 52503

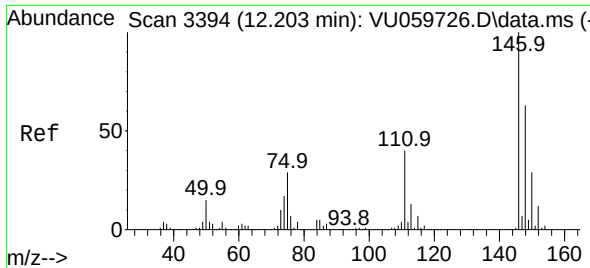
Ion Ratio Lower Upper

146 100

111 37.0 25.9 48.1

148 61.3 44.0 81.8





#67

1,2-Dichlorobenzene

Concen: 9.434 ug/L

RT: 12.206 min Scan# 3394

Delta R.T. 0.003 min

Lab File: VU059725.D

Acq: 02 Jul 2024 08:47

Instrument :

MSVOA_U

ClientSampleId :

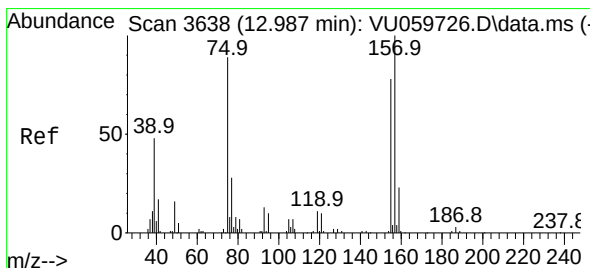
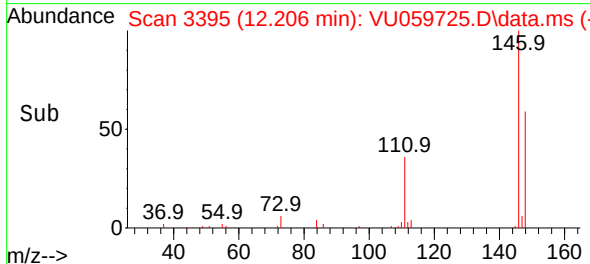
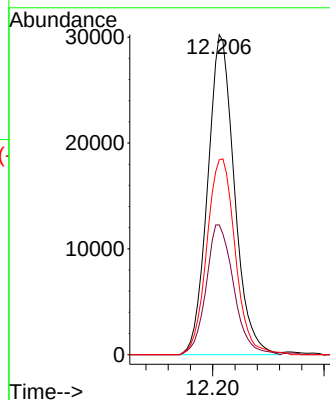
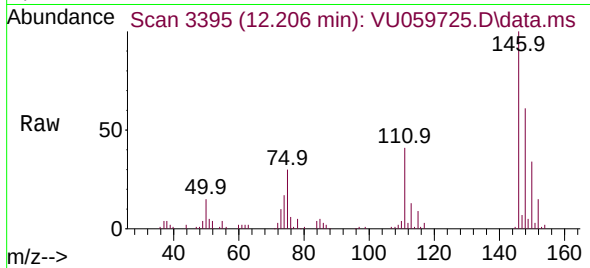
Tgt Ion:146 Resp: 50353

Ion Ratio Lower Upper

146 100

111 40.5 31.7 47.5

148 66.0 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 7.552 ug/L

RT: 12.987 min Scan# 3638

Delta R.T. -0.000 min

Lab File: VU059725.D

Acq: 02 Jul 2024 08:47

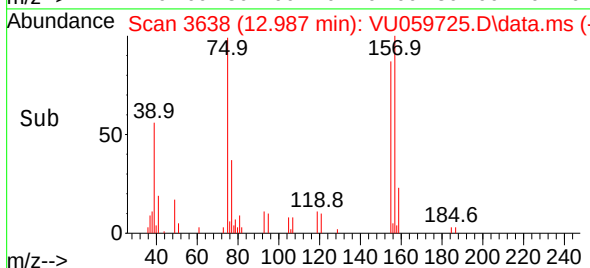
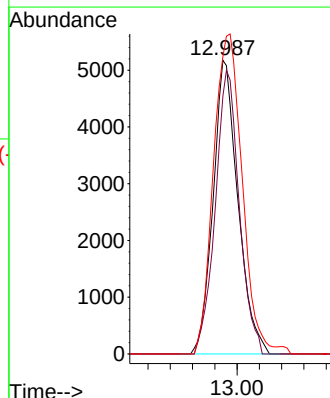
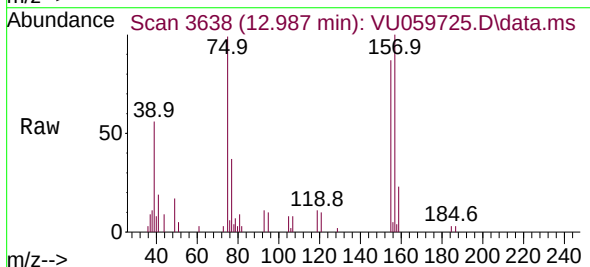
Tgt Ion: 75 Resp: 8014

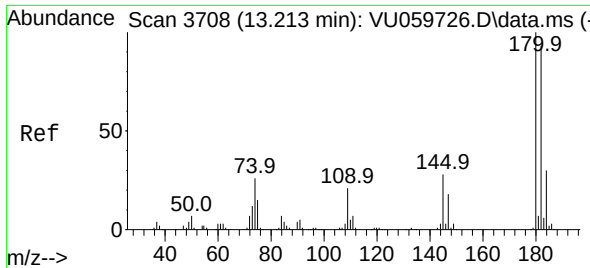
Ion Ratio Lower Upper

75 100

155 87.9 73.5 110.3

157 105.7 93.5 140.3





#69

1,3,5-Trichlorobenzene

Concen: 10.051 ug/L

RT: 13.215 min Scan# 31

Delta R.T. 0.003 min

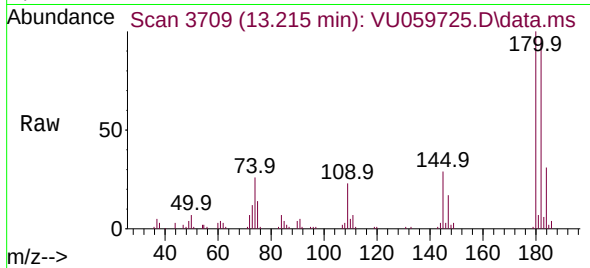
Lab File: VU059725.D

Acq: 02 Jul 2024 08:47

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 34564

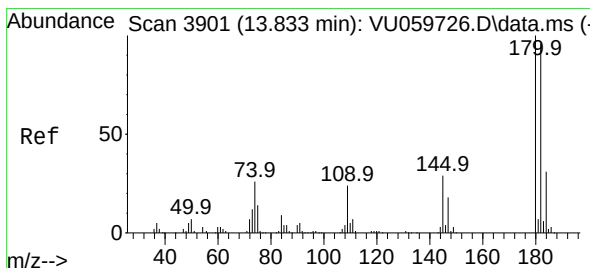
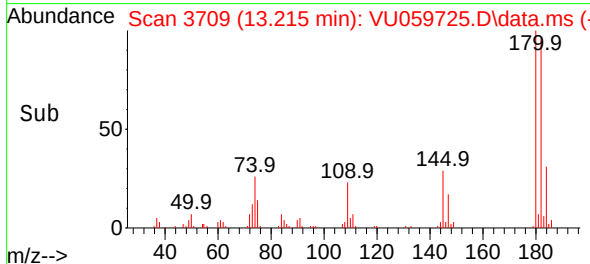
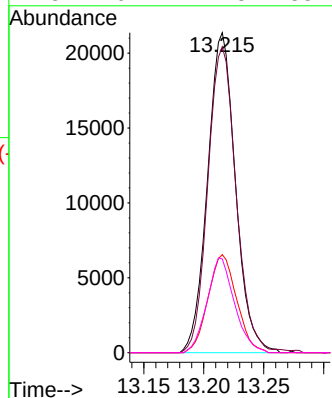
Ion Ratio Lower Upper

180 100

182 96.1 75.8 113.8

184 31.4 24.7 37.1

145 29.1 22.3 33.5



#70

1,2,4-trichlorobenzene

Concen: 10.551 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU059725.D

Acq: 02 Jul 2024 08:47

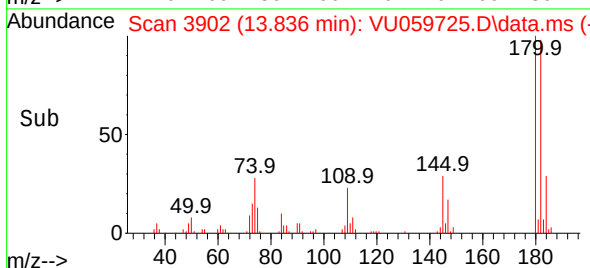
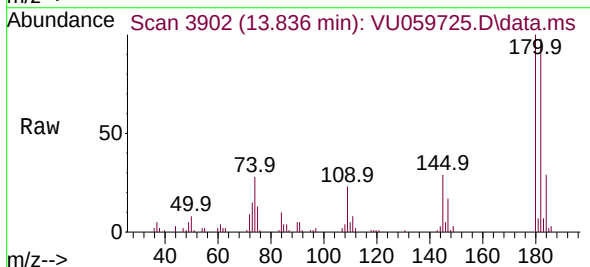
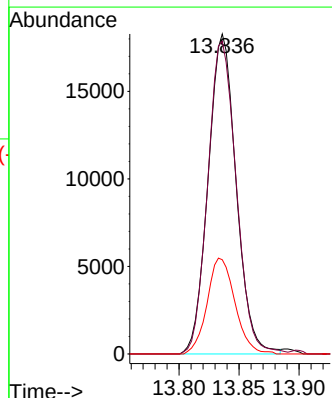
Tgt Ion:180 Resp: 29684

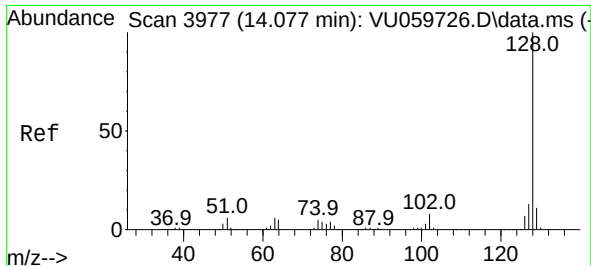
Ion Ratio Lower Upper

180 100

182 99.2 76.4 114.6

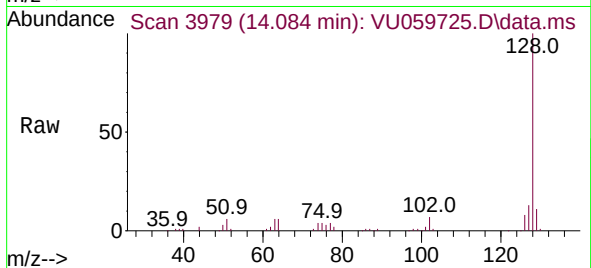
145 29.8 23.0 34.4



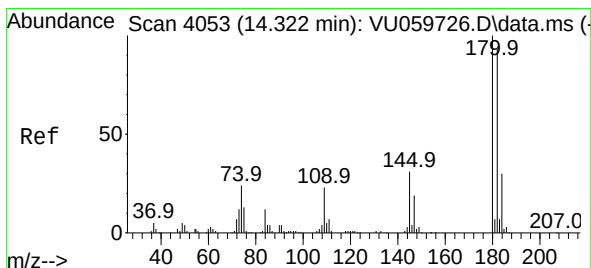
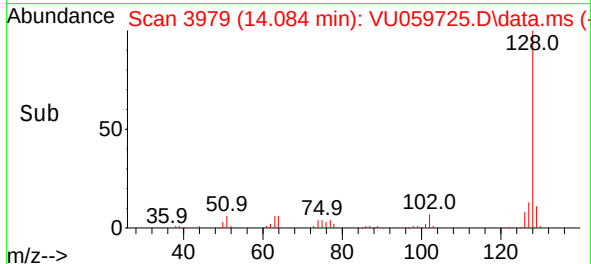
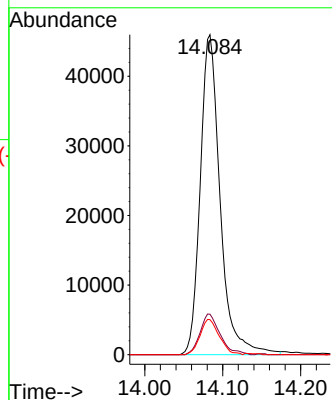


#71
Naphthalene
Concen: 9.150 ug/L
RT: 14.084 min Scan# 3977
Delta R.T. 0.006 min
Lab File: VU059725.D
Acq: 02 Jul 2024 08:47

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:128 Resp: 81493
Ion Ratio Lower Upper
128 100
127 12.4 10.4 15.6
129 10.7 8.6 13.0



#72
1,2,3-Trichlorobenzene
Concen: 10.797 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. 0.003 min
Lab File: VU059725.D
Acq: 02 Jul 2024 08:47

Tgt Ion:180 Resp: 30791
Ion Ratio Lower Upper
180 100
182 94.9 75.8 113.8
145 29.1 24.5 36.7

