

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053024\
 Data File : VU059100.D
 Acq On : 30 May 2024 17:30
 Operator : MD/SY
 Sample : P2586-07MEMSD
 Misc : 2.99g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 A4D18MEMSD

Quant Time: May 31 03:24:26 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM052924WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri May 31 03:18:55 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	223742	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	227678	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	122852	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	59427	44.360	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	88.720%
7) Chloroethane-d5	1.872	69	51823	45.159	ug/L	-0.04
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.320%
11) 1,1-Dichloroethene-d2	2.547	63	121519	45.956	ug/L	-0.02
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.920%
21) 2-Butanone-d5	4.618	46	114818	90.931	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	90.930%
24) Chloroform-d	5.052	84	126527	47.444	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.880%
26) 1,2-Dichloroethane-d4	5.692	65	80839	49.457	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.920%
32) Benzene-d6	5.714	84	240973	46.114	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.220%
36) 1,2-Dichloropropane-d6	6.682	67	81359	45.155	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.320%
41) Toluene-d8	7.891	98	215187	48.509	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.020%
43) trans-1,3-Dichloroprop...	8.174	79	37093	50.931	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.860%
47) 2-Hexanone-d5	8.634	63	78118	93.758	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.760%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	140298	46.009	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.020%
66) 1,2-Dichlorobenzene-d4	12.190	152	83817	45.718	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.440%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	94151	41.531	ug/L	99
3) Chloromethane	1.515	50	116217	44.357	ug/L	98
5) Vinyl chloride	1.599	62	113531	44.098	ug/L	98
6) Bromomethane	1.824	94	85574	41.547	ug/L	98
8) Chloroethane	1.891	64	62192	38.738	ug/L	100
9) Trichlorofluoromethane	2.100	101	126812	42.329	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.554	101	72904	41.825	ug/L	98
12) 1,1-Dichloroethene	2.557	96	70941	44.872	ug/L	96
13) Acetone	2.624	43	105712	71.226	ug/L	100
14) Carbon disulfide	2.769	76	238760	44.842	ug/L	100
15) Methyl Acetate	2.939	43	135169	57.495	ug/L	96
16) Methylene chloride	3.026	84	94338	44.101	ug/L	97
17) trans-1,2-Dichloroethene	3.335	96	77937	45.674	ug/L	97
18) Methyl tert-butyl Ether	3.354	73	254121	45.847	ug/L	100
19) 1,1-Dichloroethane	3.849	63	163015	44.569	ug/L	98
20) cis-1,2-Dichloroethene	4.650	96	88406	45.465	ug/L	98
22) 2-Butanone	4.698	43	140083	77.959	ug/L	100
23) Bromochloromethane	4.962	128	44320	44.998	ug/L	99
25) Chloroform	5.074	83	162280	45.822	ug/L	96

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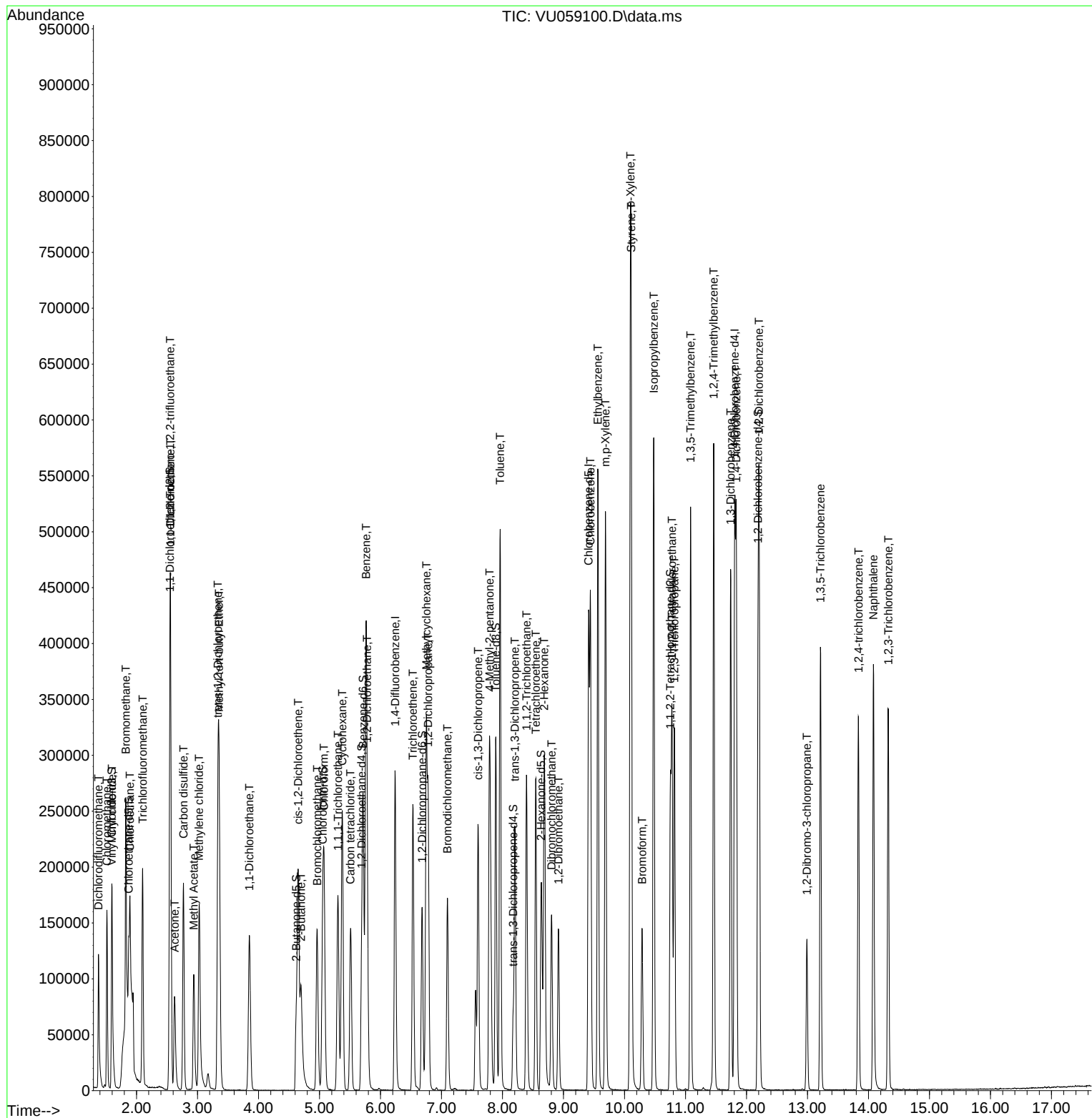
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	132962	44.442	ug/L	100
29) Cyclohexane	5.373	56	125509	41.291	ug/L	98
30) 1,1,1-Trichloroethane	5.303	97	125412	42.365	ug/L	99
31) Carbon tetrachloride	5.508	117	98968	41.159	ug/L	100
33) Benzene	5.763	78	360275	43.822	ug/L	100
34) Trichloroethene	6.531	95	89920	44.669	ug/L	100
35) Methylcyclohexane	6.753	83	123545	41.741	ug/L	99
37) 1,2-Dichloropropane	6.782	63	103263	44.233	ug/L	99
38) Bromodichloromethane	7.097	83	117227	43.109	ug/L	99
39) cis-1,3-Dichloropropene	7.598	75	148042	45.833	ug/L	97
40) 4-Methyl-2-pentanone	7.788	43	288063	94.122	ug/L	99
42) Toluene	7.962	91	370701	44.921	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	136747	46.764	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	95289	45.398	ug/L	100
46) Tetrachloroethene	8.547	164	58159	43.374	ug/L	94
48) 2-Hexanone	8.685	43	232353	90.016	ug/L	99
49) Dibromochloromethane	8.804	129	84363	44.474	ug/L	99
50) 1,2-Dibromoethane	8.917	107	98955	45.703	ug/L	99
51) Chlorobenzene	9.441	112	228035	45.783	ug/L	99
52) Ethylbenzene	9.563	91	389815	45.819	ug/L	99
53) m,p-Xylene	9.688	106	145419	46.507	ug/L	99
54) o-Xylene	10.097	106	143540	47.368	ug/L	97
55) Styrene	10.110	104	259755	50.429	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.778	83	177042	46.302	ug/L	99
59) Bromoform	10.290	173	67354	41.815	ug/L	99
60) 1,2,3-Trichloropropane	10.817	75	140982	41.267	ug/L	98
61) Isopropylbenzene	10.479	105	374532	43.333	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	275764	44.036	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	307628	45.316	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	183646	45.462	ug/L	100
65) 1,4-Dichlorobenzene	11.833	146	189072	45.321	ug/L	98
67) 1,2-Dichlorobenzene	12.206	146	180478	42.747	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.991	75	35038	40.455	ug/L	95
69) 1,3,5-Trichlorobenzene	13.212	180	117645	44.098	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	97774	45.887	ug/L	99
71) Naphthalene	14.081	128	303126	44.944	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	100374	46.335	ug/L	98

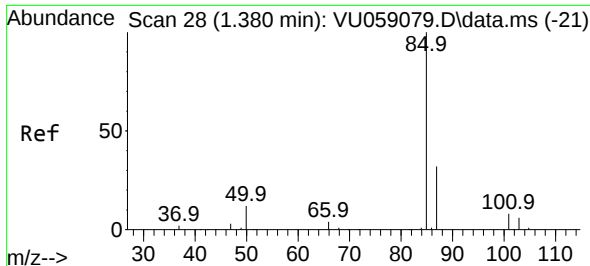
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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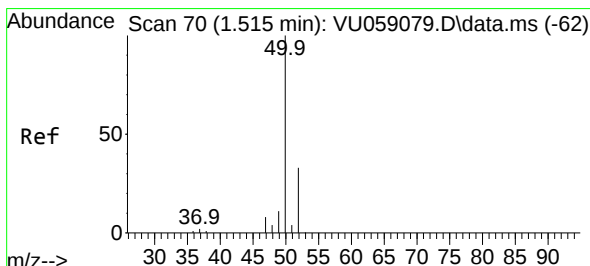
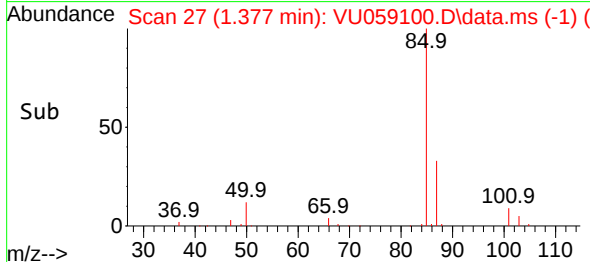
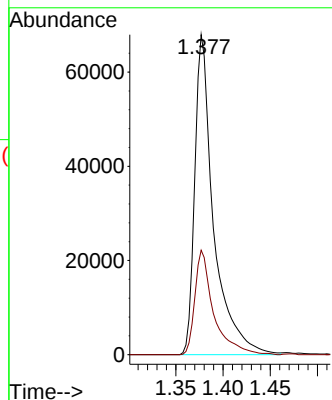
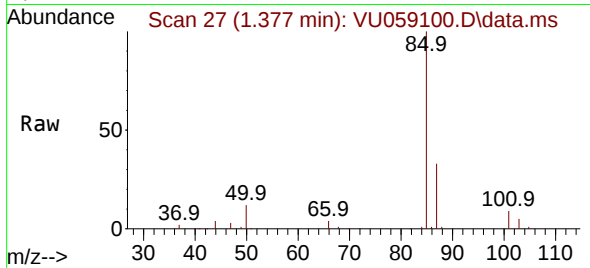




#2
 Dichlorodifluoromethane
 Concen: 41.531 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU059100.D
 Acq: 30 May 2024 17:30

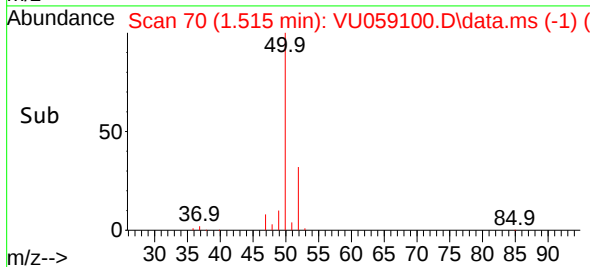
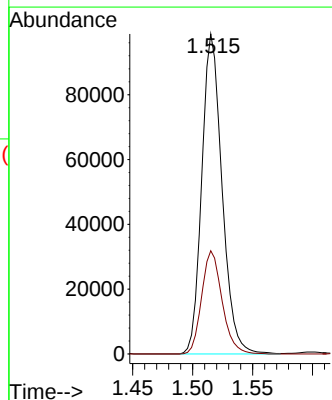
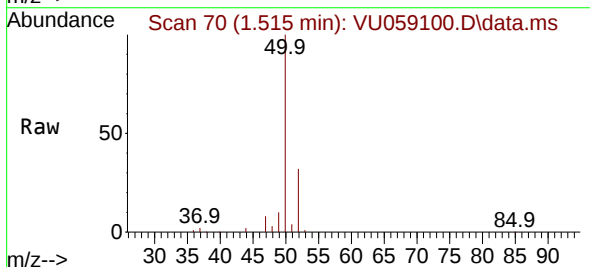
Instrument :
 MSVOA_U
 ClientSampleId :
 A4D18MEMSD

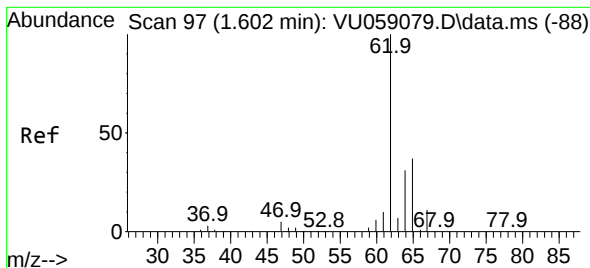
Tgt Ion: 85 Resp: 94151
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.4 38.2



#3
 Chloromethane
 Concen: 44.357 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU059100.D
 Acq: 30 May 2024 17:30

Tgt Ion: 50 Resp: 116217
 Ion Ratio Lower Upper
 50 100
 52 32.2 23.2 43.2





#5

Vinyl chloride

Concen: 44.098 ug/L

RT: 1.599 min Scan# 9

Delta R.T. -0.003 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA_U

ClientSampleId :

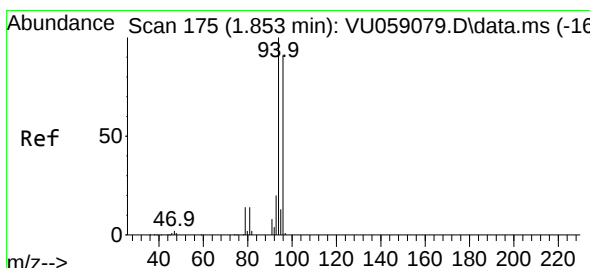
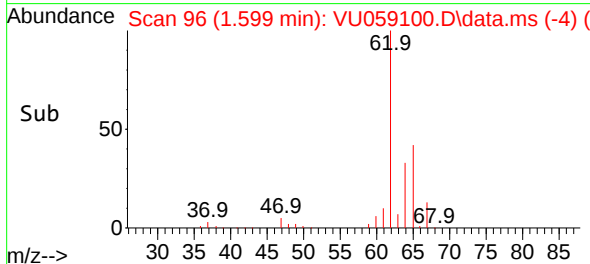
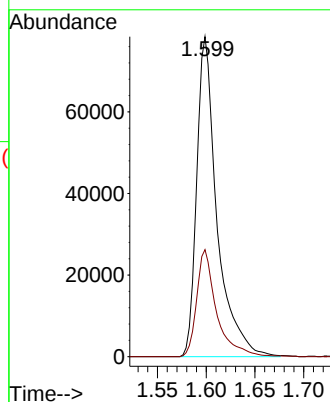
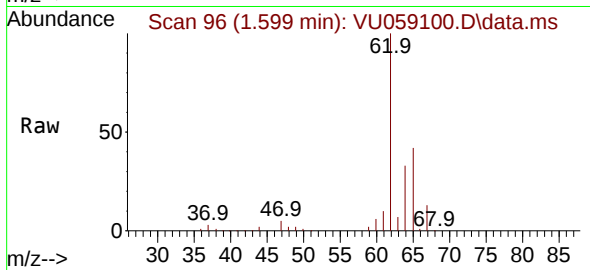
A4D18MEMSD

Tgt Ion: 62 Resp: 113531

Ion Ratio Lower Upper

62 100

64 33.4 22.5 41.7



#6

Bromomethane

Concen: 41.547 ug/L

RT: 1.824 min Scan# 166

Delta R.T. -0.029 min

Lab File: VU059100.D

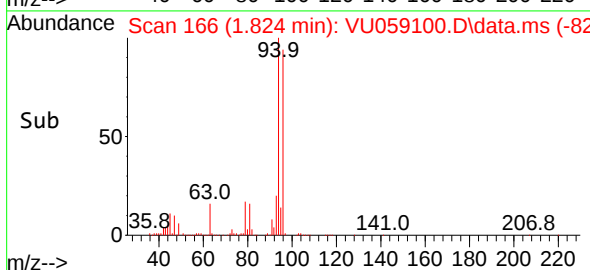
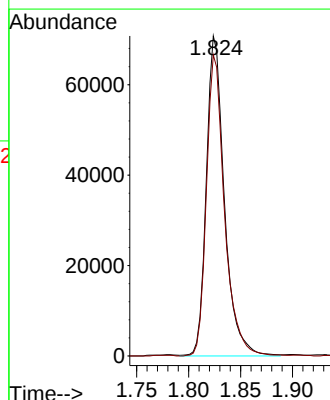
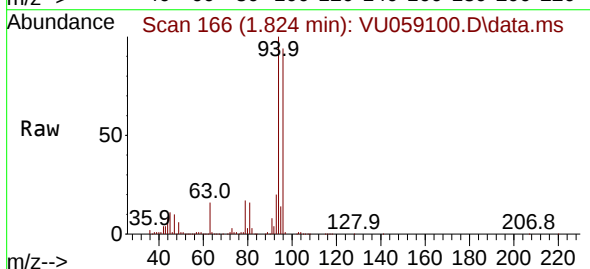
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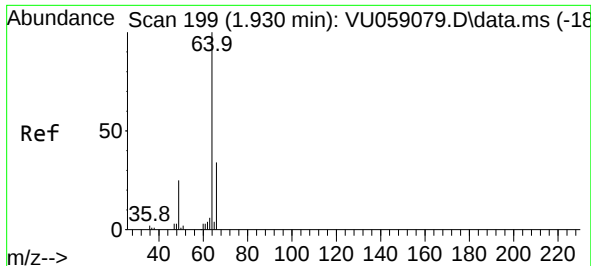
Tgt Ion: 94 Resp: 85574

Ion Ratio Lower Upper

94 100

96 94.0 67.1 124.7

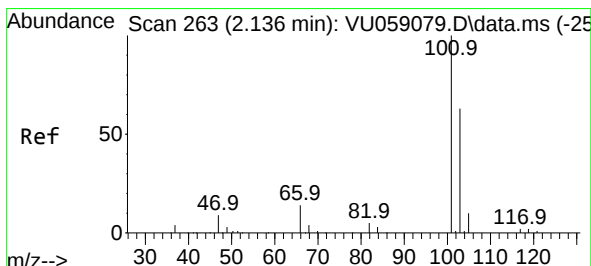
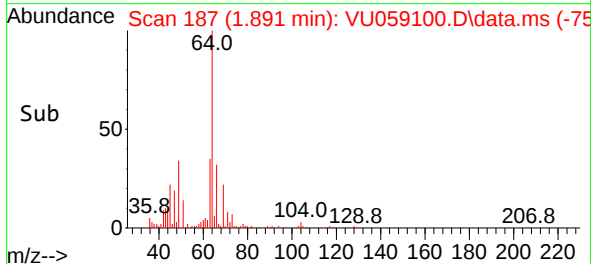
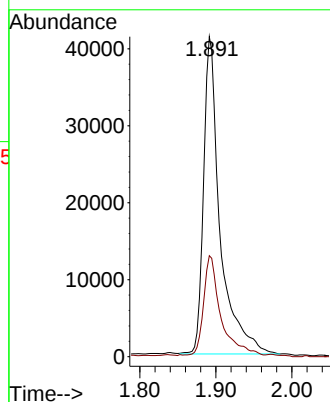
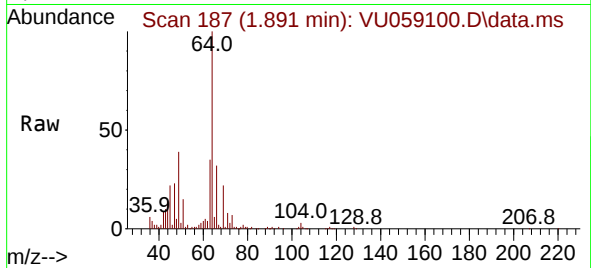




#8
Chloroethane
Concen: 38.738 ug/L
RT: 1.891 min Scan# 11
Delta R.T. -0.039 min
Lab File: VU059100.D
Acq: 30 May 2024 17:30

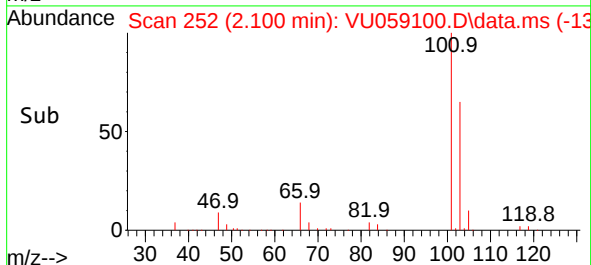
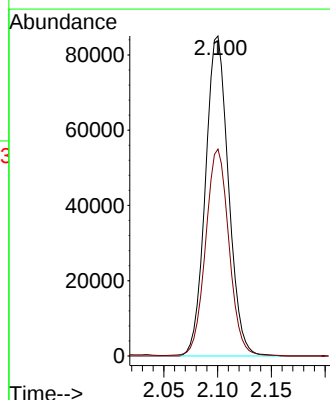
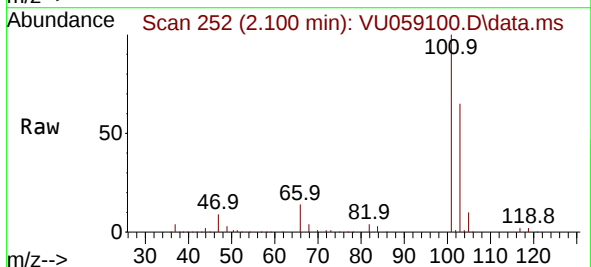
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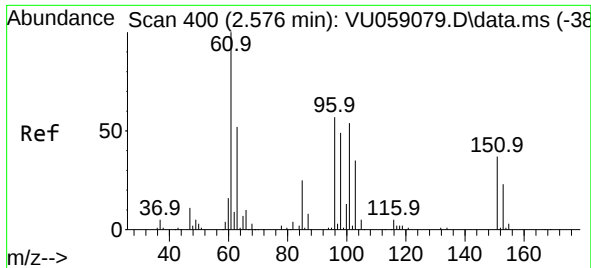
Tgt Ion: 64 Resp: 62192
Ion Ratio Lower Upper
64 100
66 31.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 42.329 ug/L
RT: 2.100 min Scan# 252
Delta R.T. -0.035 min
Lab File: VU059100.D
Acq: 30 May 2024 17:30

Tgt Ion:101 Resp: 126812
Ion Ratio Lower Upper
101 100
103 65.8 51.8 77.6

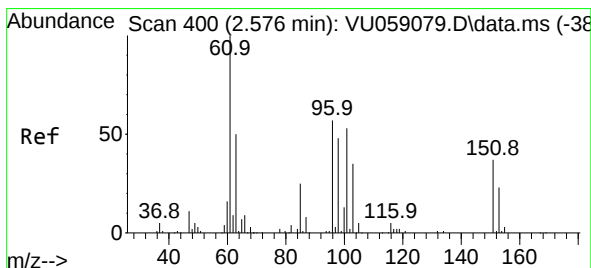
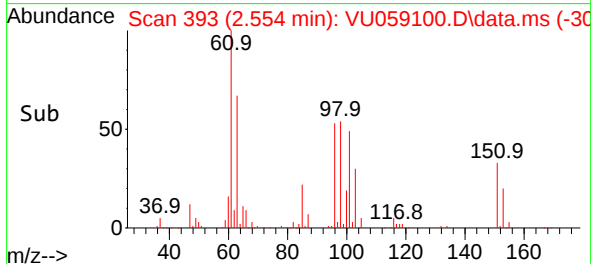
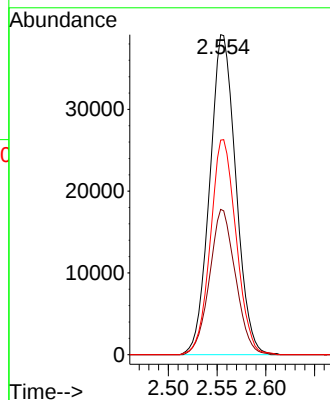
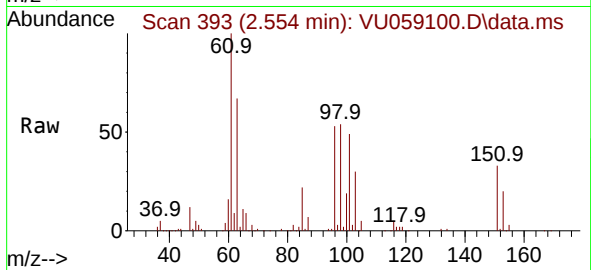




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 41.825 ug/L
 RT: 2.554 min Scan# 393
 Delta R.T. -0.022 min
 Lab File: VU059100.D
 Acq: 30 May 2024 17:30

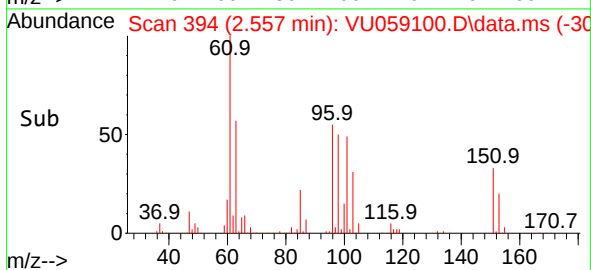
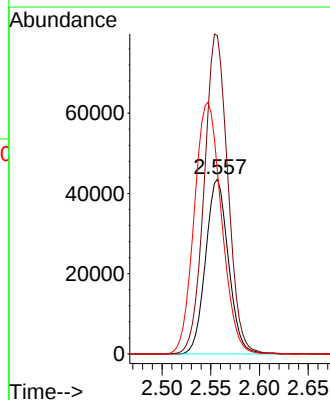
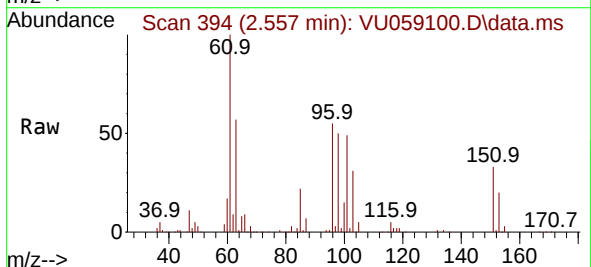
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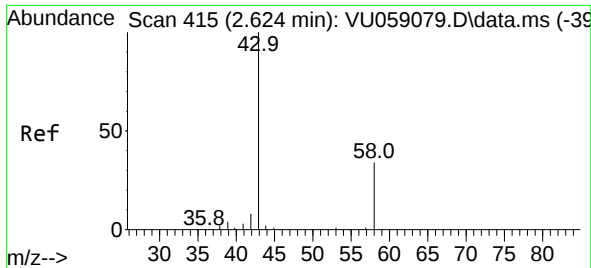
Tgt Ion:101 Resp: 72904
 Ion Ratio Lower Upper
 101 100
 85 45.0 36.7 55.1
 151 66.4 52.2 78.2



#12
 1,1-Dichloroethene
 Concen: 44.872 ug/L
 RT: 2.557 min Scan# 394
 Delta R.T. -0.019 min
 Lab File: VU059100.D
 Acq: 30 May 2024 17:30

Tgt Ion: 96 Resp: 70941
 Ion Ratio Lower Upper
 96 100
 61 181.9 126.3 234.6
 63 103.7 78.7 146.1





#13

Acetone

Concen: 71.226 ug/L

RT: 2.624 min Scan# 415

Delta R.T. 0.000 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA_U

ClientSampleId :

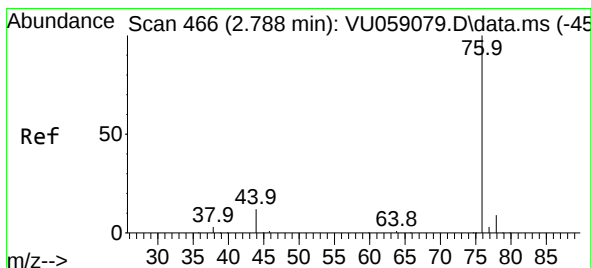
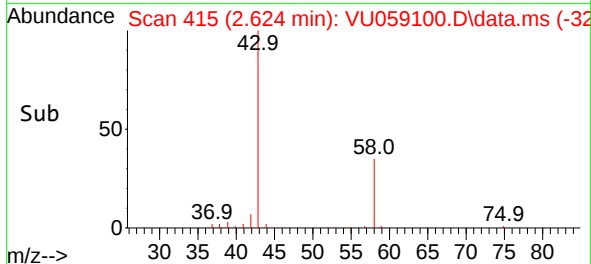
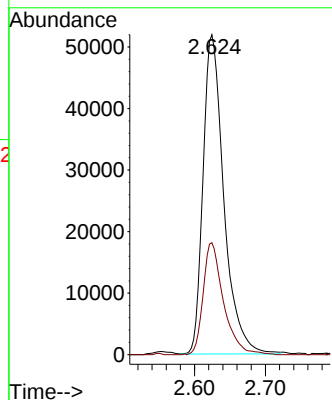
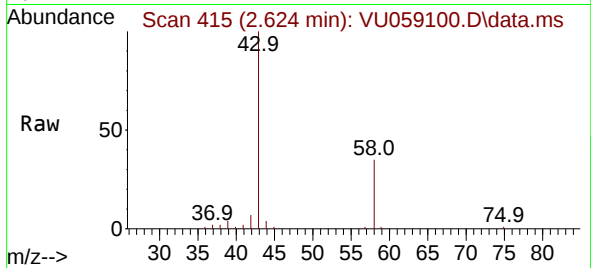
A4D18MEMSD

Tgt Ion: 43 Resp: 105712

Ion Ratio Lower Upper

43 100

58 34.3 0.0 68.8



#14

Carbon disulfide

Concen: 44.842 ug/L

RT: 2.769 min Scan# 460

Delta R.T. -0.019 min

Lab File: VU059100.D

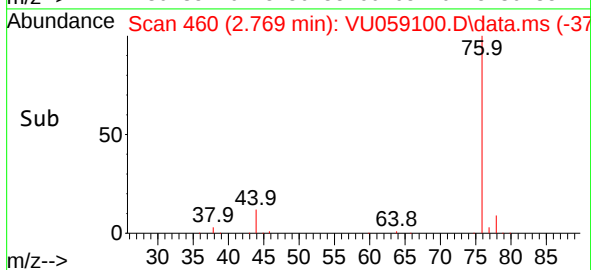
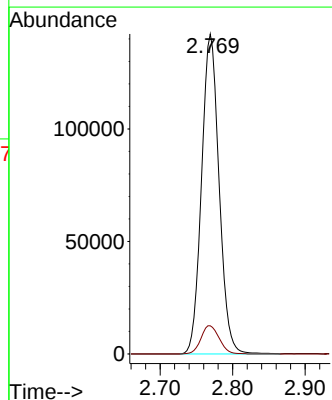
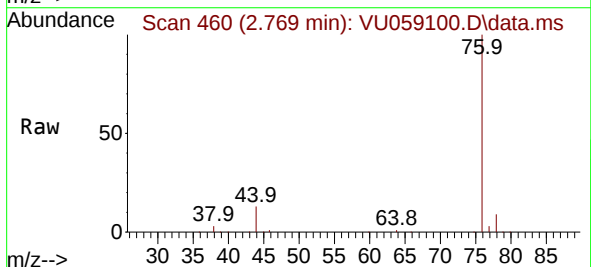
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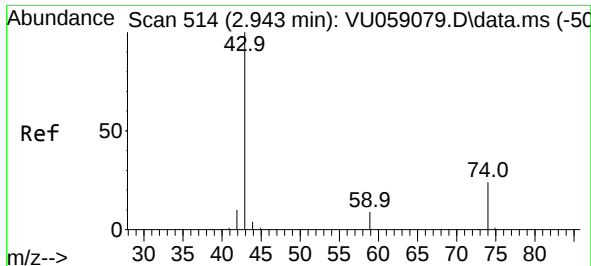
Tgt Ion: 76 Resp: 238760

Ion Ratio Lower Upper

76 100

78 8.8 7.2 10.8

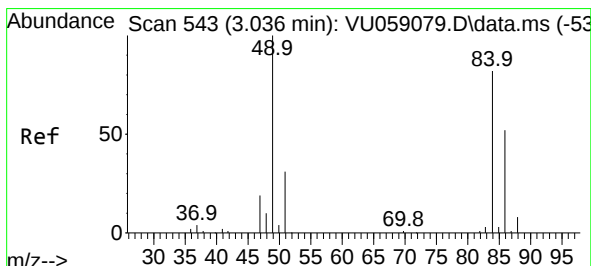
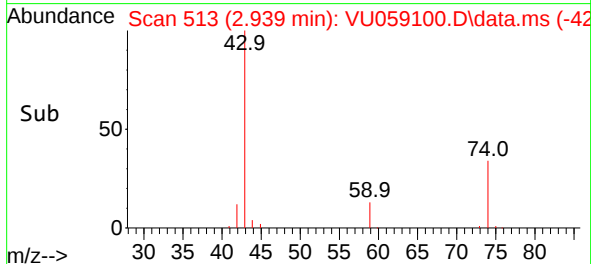
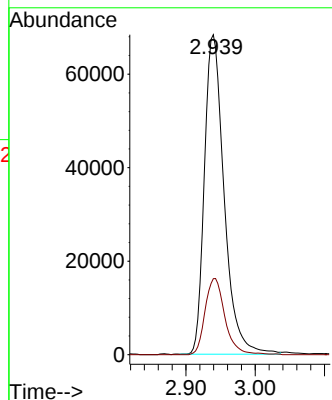
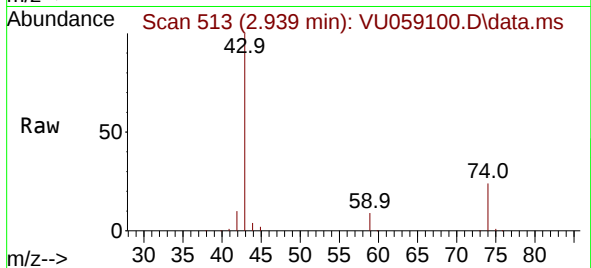




#15
Methyl Acetate
Concen: 57.495 ug/L
RT: 2.939 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU059100.D
Acq: 30 May 2024 17:30

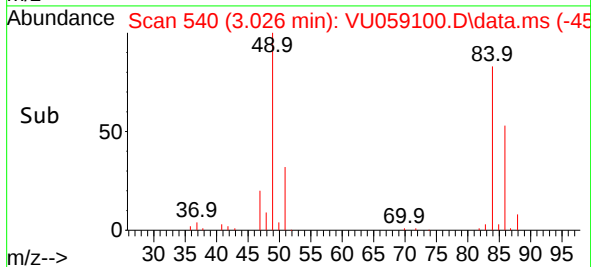
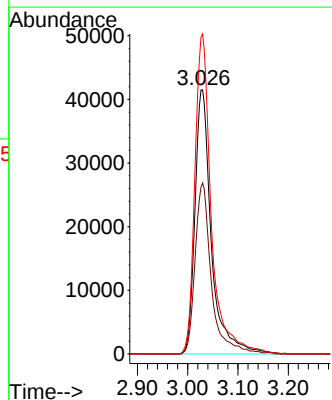
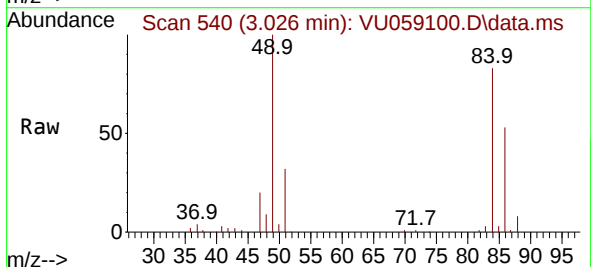
Instrument :
MSVOA_U
ClientSampleId :
A4D18MEMSD

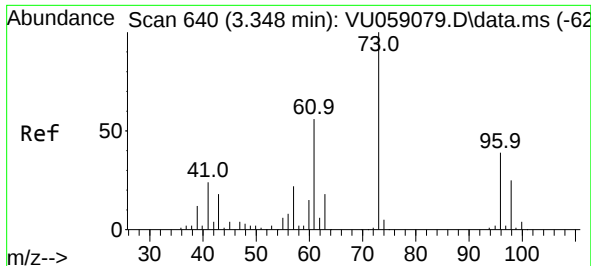
Tgt Ion: 43 Resp: 135169
Ion Ratio Lower Upper
43 100
74 23.8 20.8 31.2



#16
Methylene chloride
Concen: 44.101 ug/L
RT: 3.026 min Scan# 540
Delta R.T. -0.010 min
Lab File: VU059100.D
Acq: 30 May 2024 17:30

Tgt Ion: 84 Resp: 94338
Ion Ratio Lower Upper
84 100
86 63.2 44.9 83.3
49 119.9 87.5 162.5





#17

trans-1,2-Dichloroethene

Concen: 45.674 ug/L

RT: 3.335 min Scan# 61

Delta R.T. -0.013 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA_U

ClientSampleId :

A4D18MEMSD

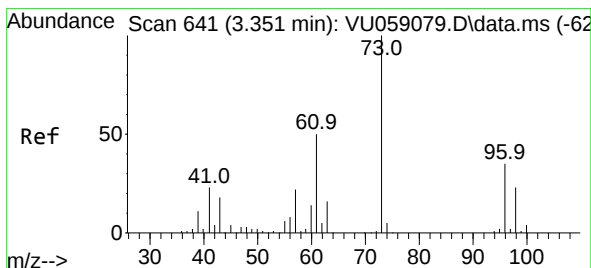
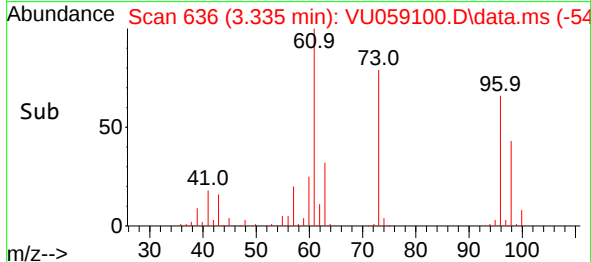
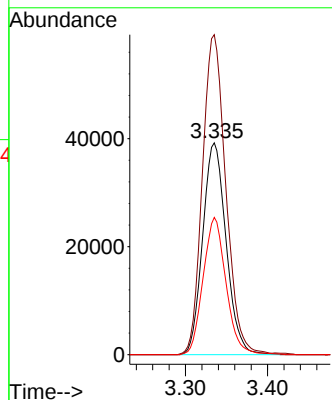
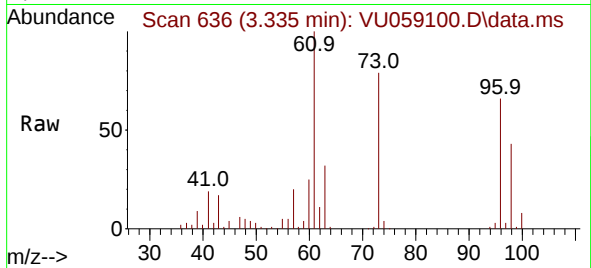
Tgt Ion: 96 Resp: 77937

Ion Ratio Lower Upper

96 100

61 151.1 103.5 192.3

98 64.8 42.4 78.6



#18

Methyl tert-butyl Ether

Concen: 45.847 ug/L

RT: 3.354 min Scan# 642

Delta R.T. 0.003 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

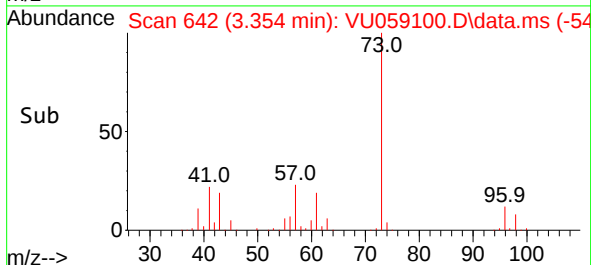
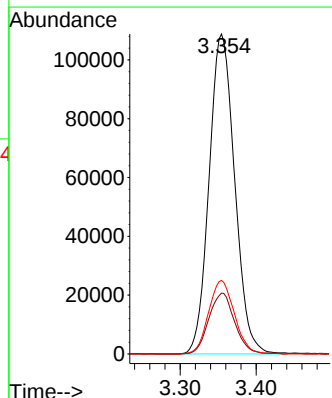
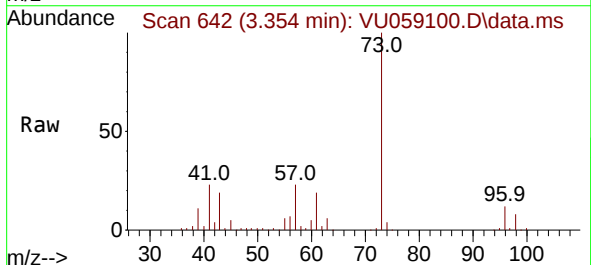
Tgt Ion: 73 Resp: 254121

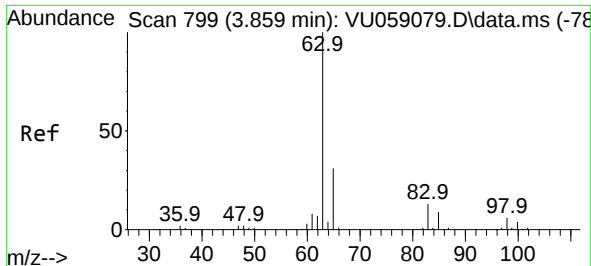
Ion Ratio Lower Upper

73 100

43 19.1 15.6 23.4

57 23.2 18.6 28.0





#19

1,1-Dichloroethane

Concen: 44.569 ug/L

RT: 3.849 min Scan# 799

Delta R.T. -0.010 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA_U

ClientSampleId :

A4D18MEMSD

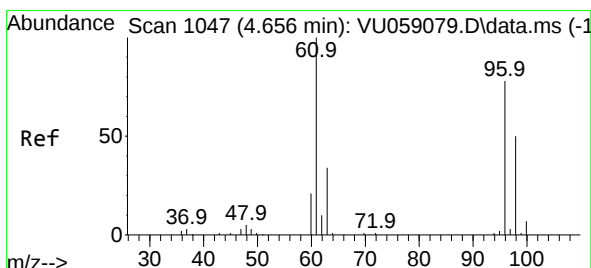
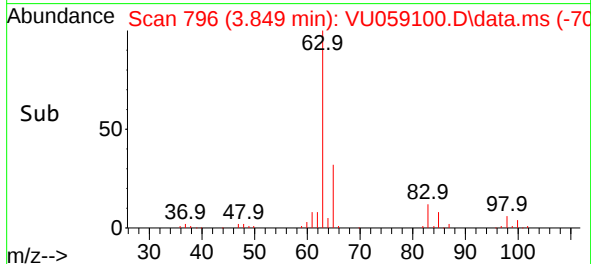
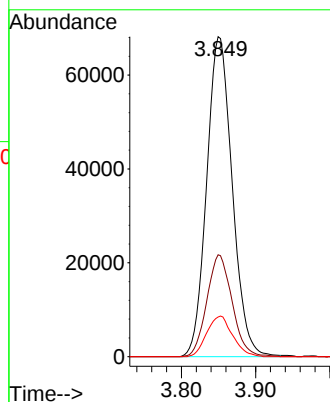
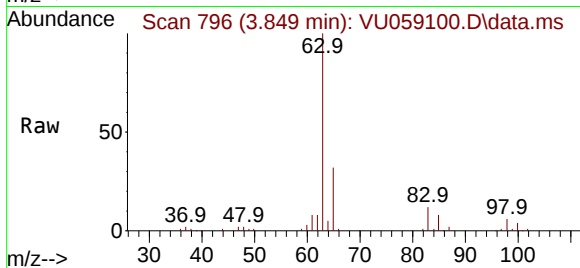
Tgt Ion: 63 Resp: 163015

Ion Ratio Lower Upper

63 100

65 31.9 21.3 39.5

83 12.4 8.8 16.3



#20

cis-1,2-Dichloroethene

Concen: 45.465 ug/L

RT: 4.650 min Scan# 1045

Delta R.T. -0.006 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

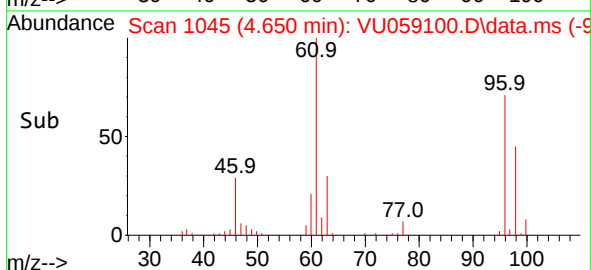
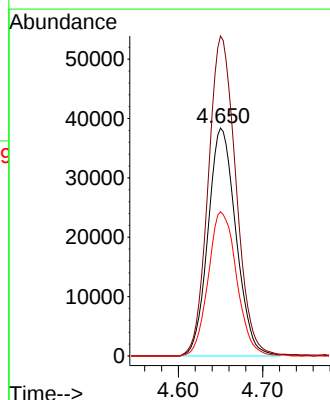
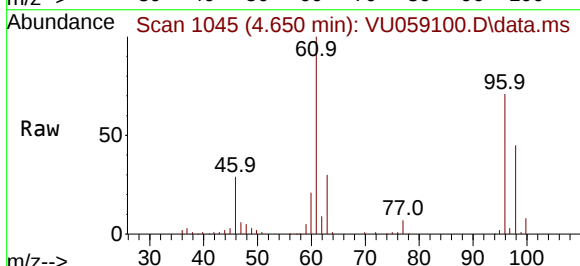
Tgt Ion: 96 Resp: 88406

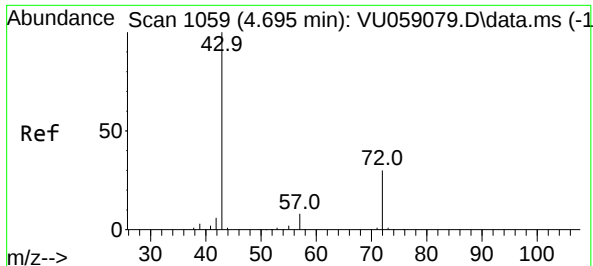
Ion Ratio Lower Upper

96 100

61 140.4 96.2 178.6

98 63.2 45.6 84.6





#22

2-Butanone

Concen: 77.959 ug/L

RT: 4.698 min Scan# 1060

Delta R.T. 0.003 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA_U

ClientSampleId :

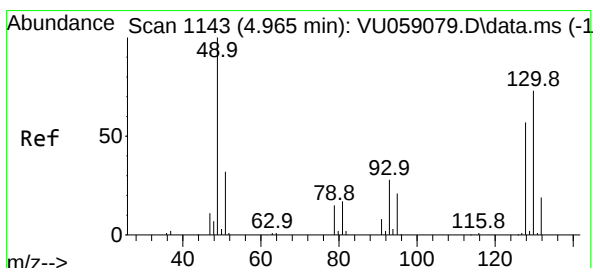
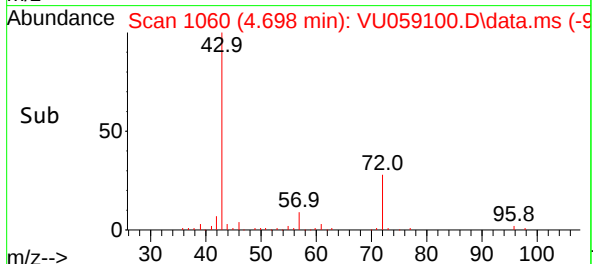
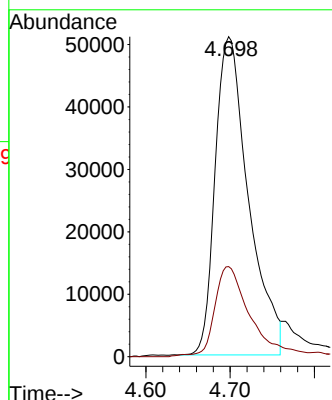
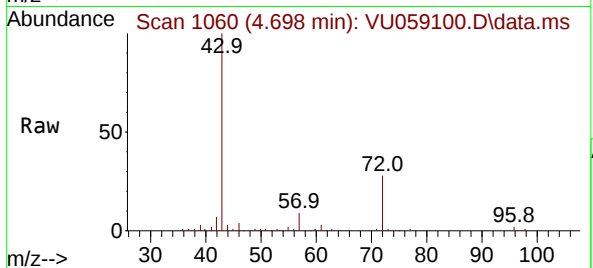
A4D18MEMSD

Tgt Ion: 43 Resp: 140083

Ion Ratio Lower Upper

43 100

72 28.5 14.2 42.8



#23

Bromochloromethane

Concen: 44.998 ug/L

RT: 4.962 min Scan# 1142

Delta R.T. -0.003 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Tgt Ion:128 Resp: 44320

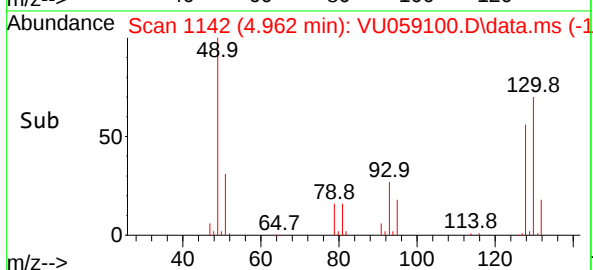
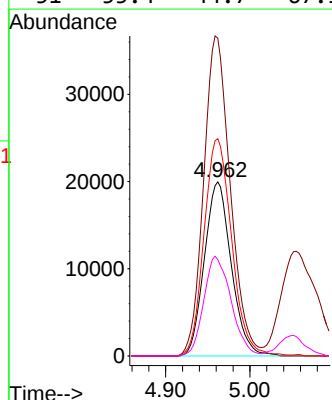
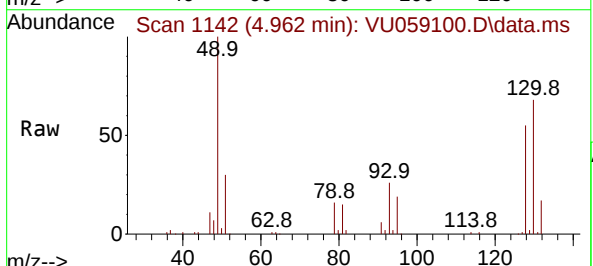
Ion Ratio Lower Upper

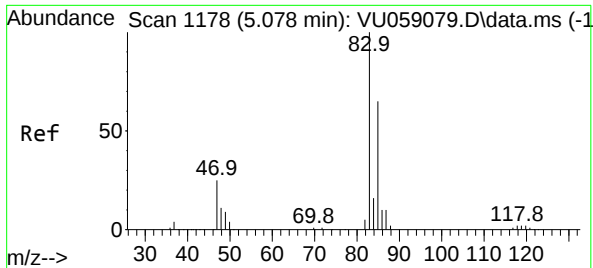
128 100

49 182.6 128.4 238.4

130 124.8 86.9 161.3

51 55.4 44.7 67.1





#25

Chloroform

Concen: 45.822 ug/L

RT: 5.074 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA_U

ClientSampleId :

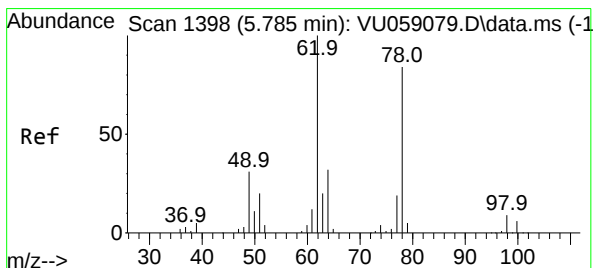
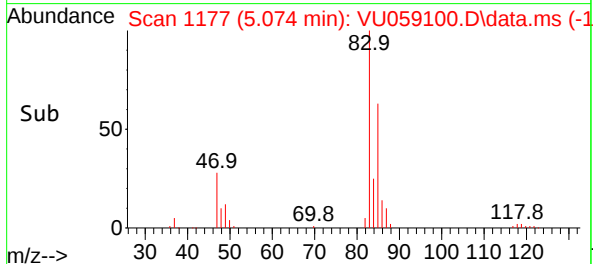
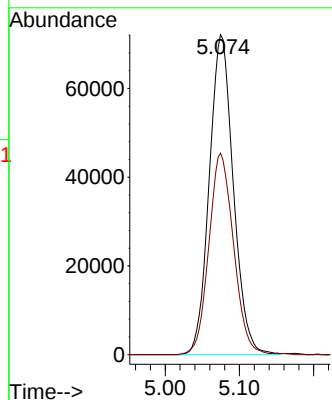
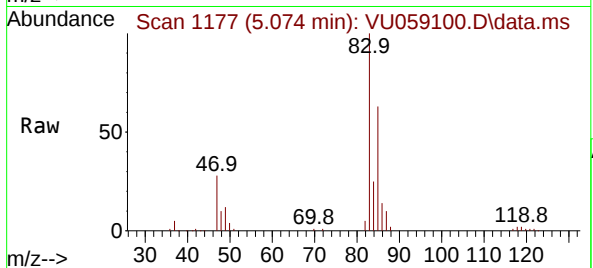
A4D18MEMSD

Tgt Ion: 83 Resp: 162280

Ion Ratio Lower Upper

83 100

85 62.9 46.1 85.7



#27

1,2-Dichloroethane

Concen: 44.442 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. -0.003 min

Lab File: VU059100.D

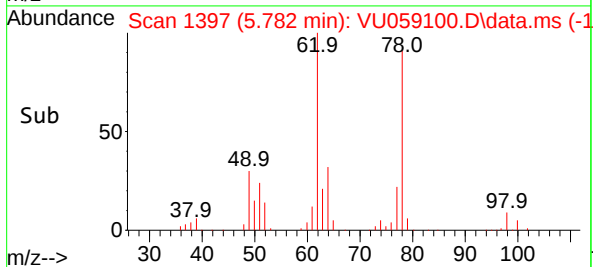
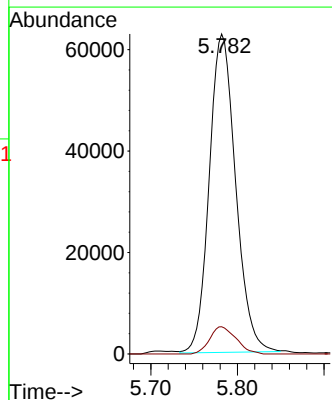
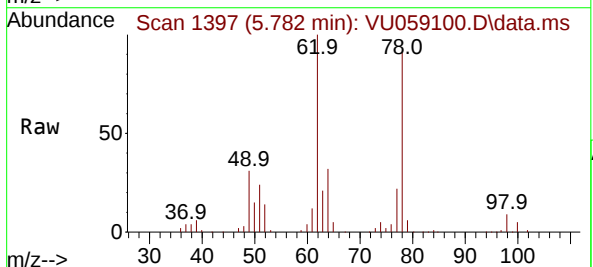
Acq: 30 May 2024 17:30

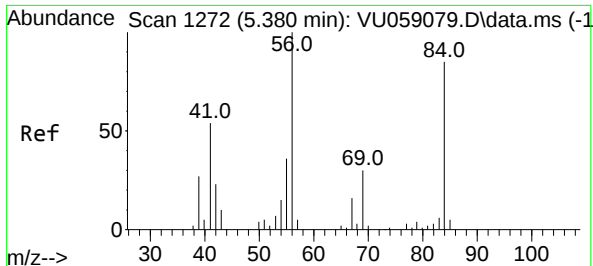
Tgt Ion: 62 Resp: 132962

Ion Ratio Lower Upper

62 100

98 8.5 6.9 10.3





#29

Cyclohexane

Concen: 41.291 ug/L

RT: 5.373 min Scan# 1270

Delta R.T. -0.006 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA_U

ClientSampleId :

A4D18MEMSD

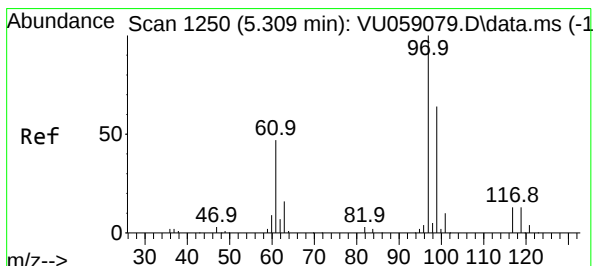
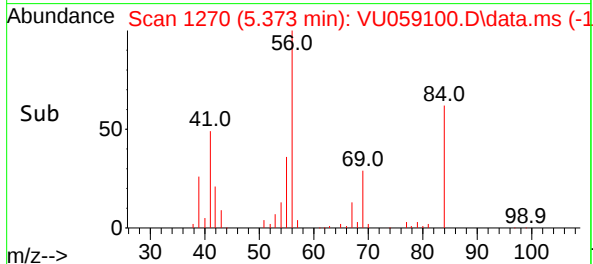
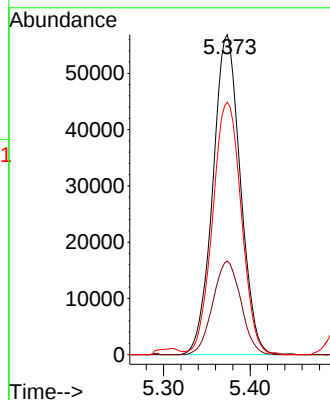
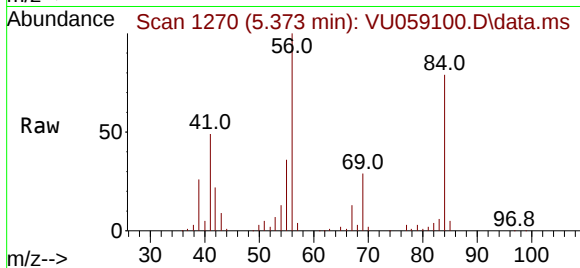
Tgt Ion: 56 Resp: 125509

Ion Ratio Lower Upper

56 100

69 29.8 24.6 37.0

84 82.4 67.4 101.0



#30

1,1,1-Trichloroethane

Concen: 42.365 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. -0.006 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

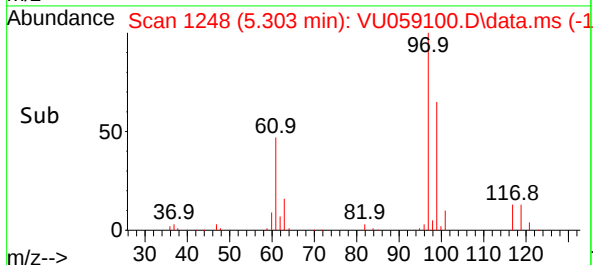
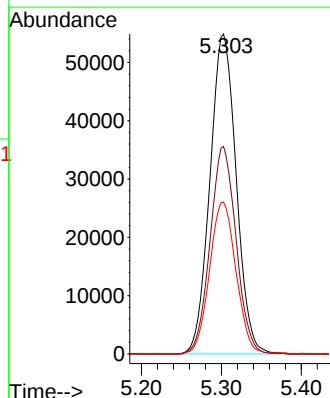
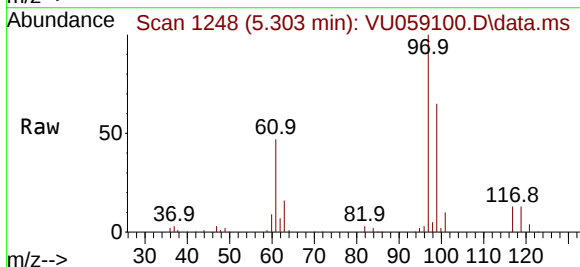
Tgt Ion: 97 Resp: 125412

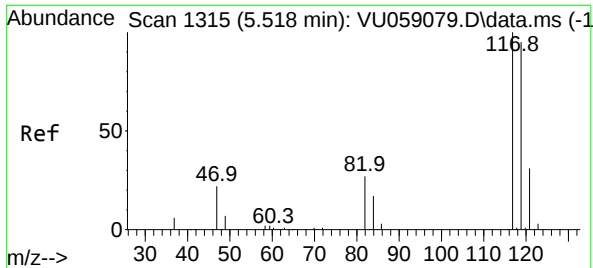
Ion Ratio Lower Upper

97 100

99 64.0 51.6 77.4

61 47.6 39.1 58.7

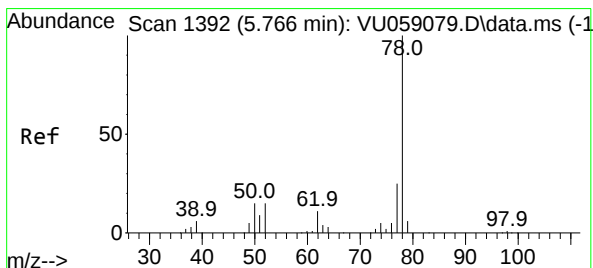
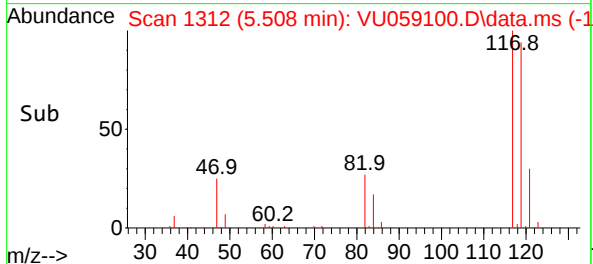
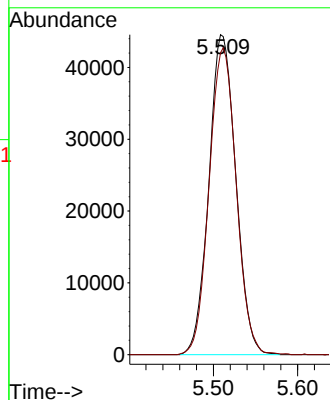
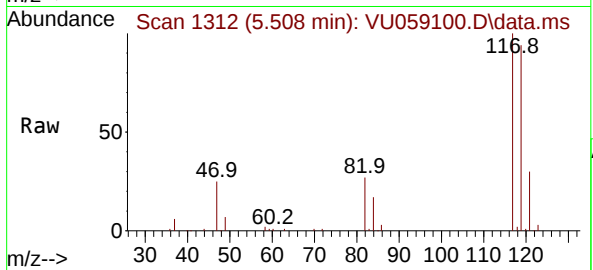




#31
Carbon tetrachloride
Concen: 41.159 ug/L
RT: 5.508 min Scan# 111
Delta R.T. -0.010 min
Lab File: VU059100.D
Acq: 30 May 2024 17:30

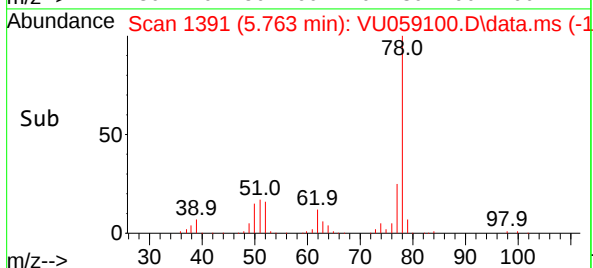
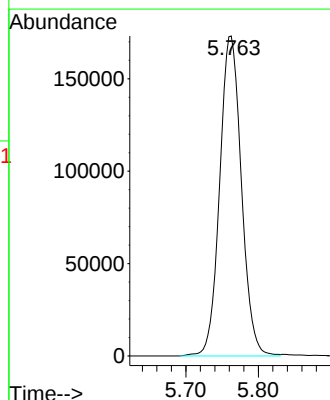
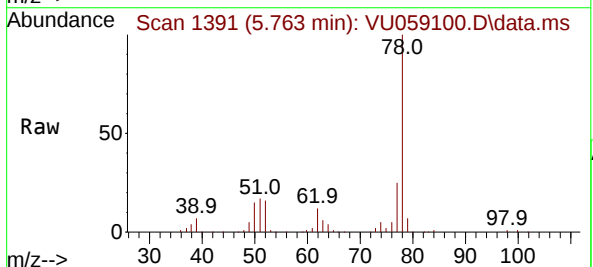
Instrument :
MSVOA_U
ClientSampleId :
A4D18MEMSD

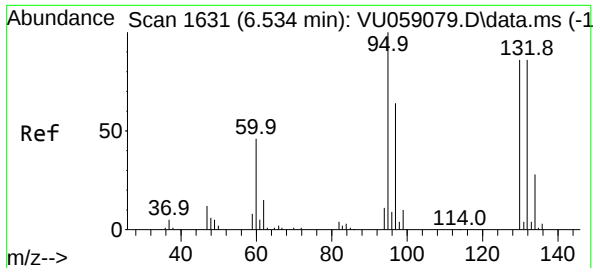
Tgt Ion:117 Resp: 98968
Ion Ratio Lower Upper
117 100
119 96.5 76.9 115.3



#33
Benzene
Concen: 43.822 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. -0.003 min
Lab File: VU059100.D
Acq: 30 May 2024 17:30

Tgt Ion: 78 Resp: 360275

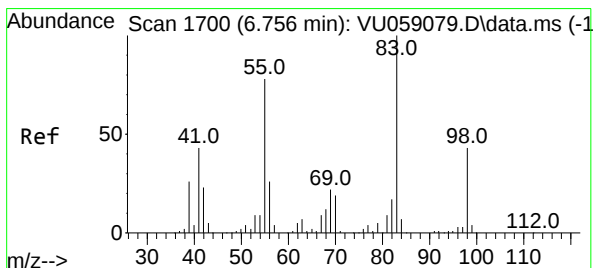
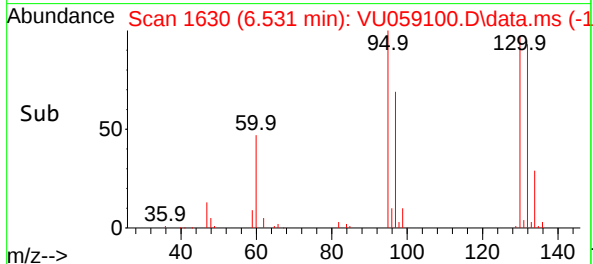
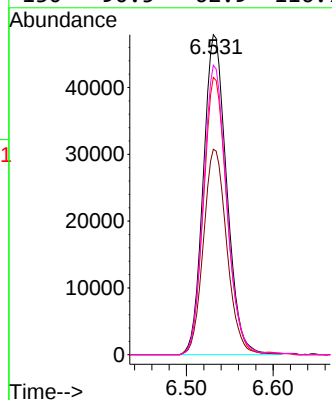
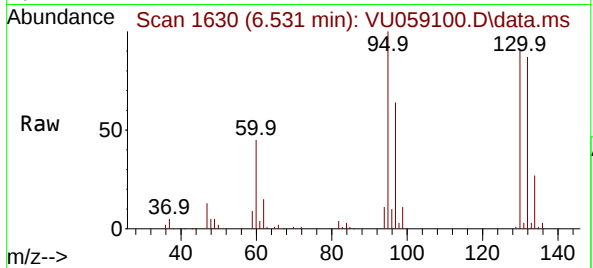




#34
Trichloroethene
Concen: 44.669 ug/L
RT: 6.531 min Scan# 1630
Delta R.T. -0.003 min
Lab File: VU059100.D
Acq: 30 May 2024 17:30

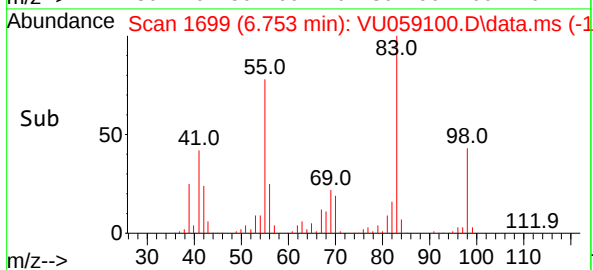
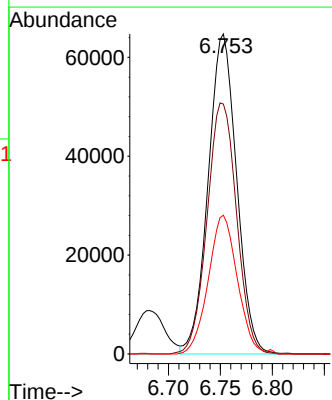
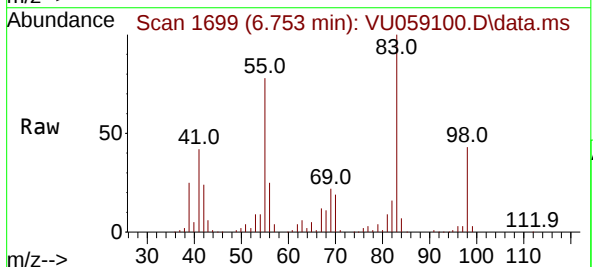
Instrument :
MSVOA_U
ClientSampleId :
A4D18MEMSD

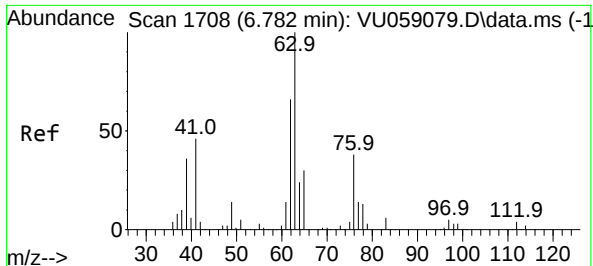
Tgt Ion: 95 Resp: 89920
Ion Ratio Lower Upper
95 100
97 64.2 45.2 84.0
132 86.7 60.6 112.6
130 90.5 62.9 116.7



#35
Methylcyclohexane
Concen: 41.741 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.003 min
Lab File: VU059100.D
Acq: 30 May 2024 17:30

Tgt Ion: 83 Resp: 123545
Ion Ratio Lower Upper
83 100
55 81.1 63.9 95.9
98 44.0 34.7 52.1

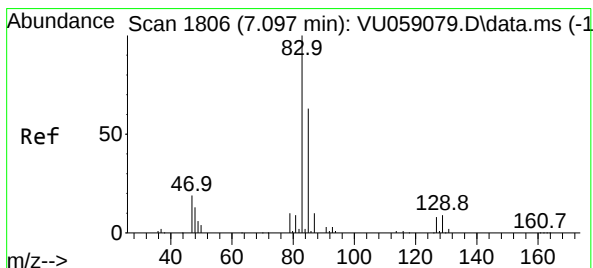
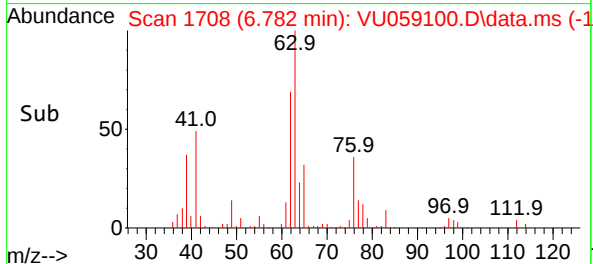
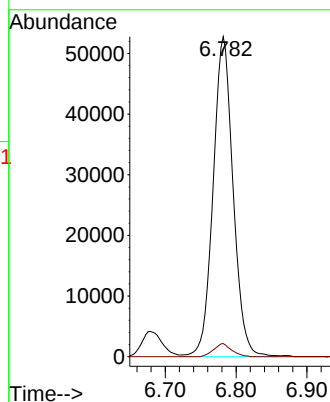
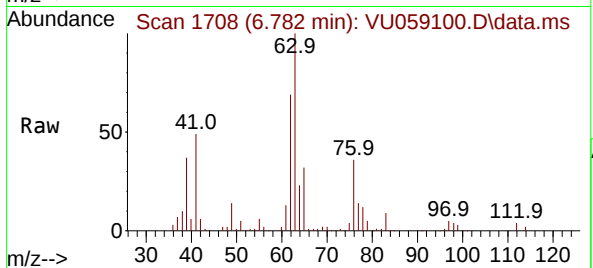




#37
1,2-Dichloropropane
Concen: 44.233 ug/L
RT: 6.782 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU059100.D
Acq: 30 May 2024 17:30

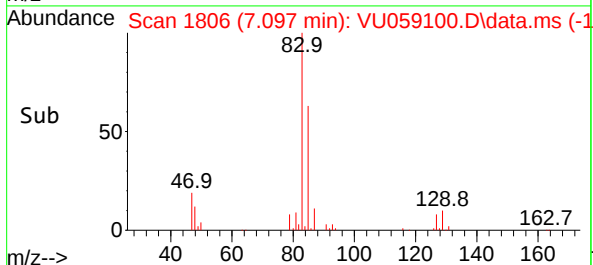
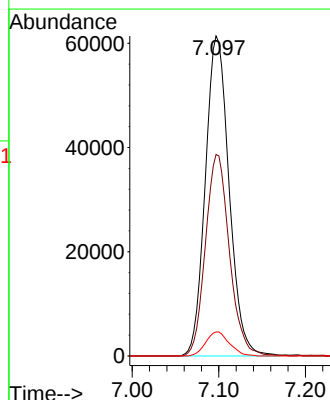
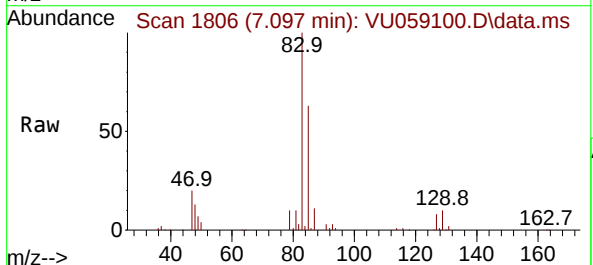
Instrument :
MSVOA_U
ClientSampleId :
A4D18MEMSD

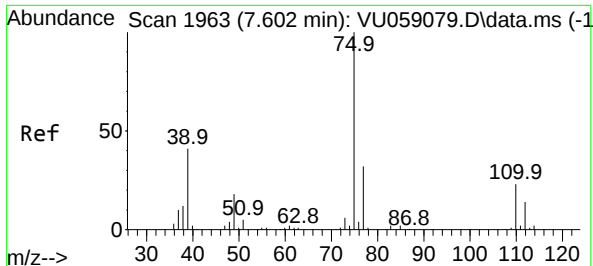
Tgt Ion: 63 Resp: 103263
Ion Ratio Lower Upper
63 100
112 3.6 2.6 4.0



#38
Bromodichloromethane
Concen: 43.109 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU059100.D
Acq: 30 May 2024 17:30

Tgt Ion: 83 Resp: 117227
Ion Ratio Lower Upper
83 100
85 63.0 44.0 81.6
127 7.5 7.0 10.6





#39

cis-1,3-Dichloropropene

Concen: 45.833 ug/L

RT: 7.598 min Scan# 1962

Delta R.T. -0.003 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA_U

ClientSampleId :

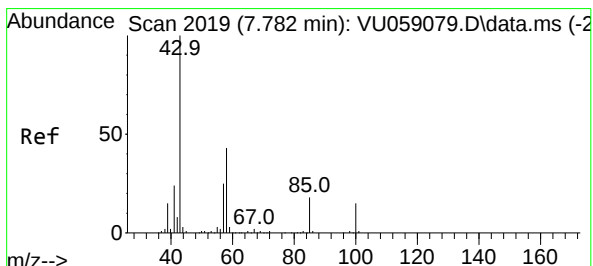
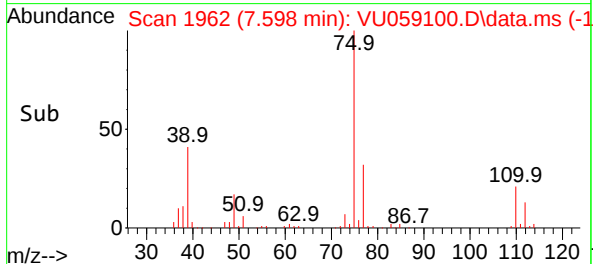
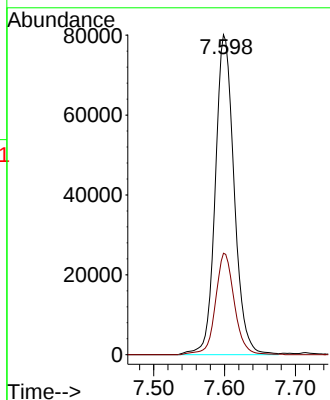
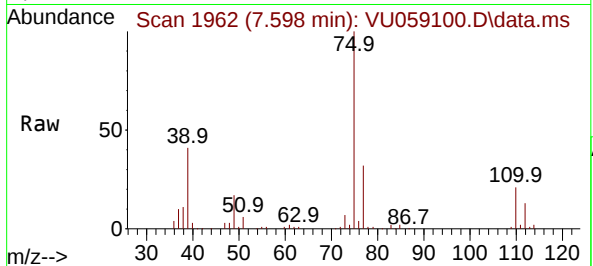
A4D18MEMSD

Tgt Ion: 75 Resp: 148042

Ion Ratio Lower Upper

75 100

77 31.7 21.2 39.4



#40

4-Methyl-2-pentanone

Concen: 94.122 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.006 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

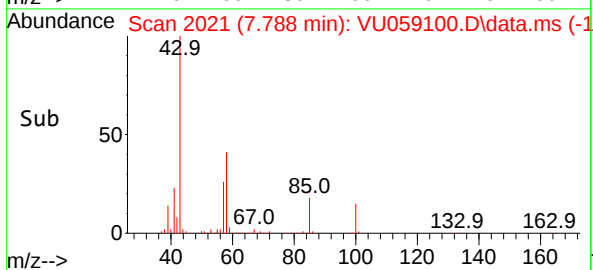
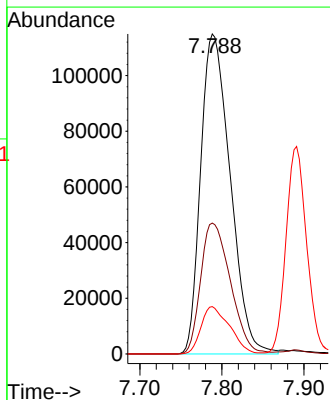
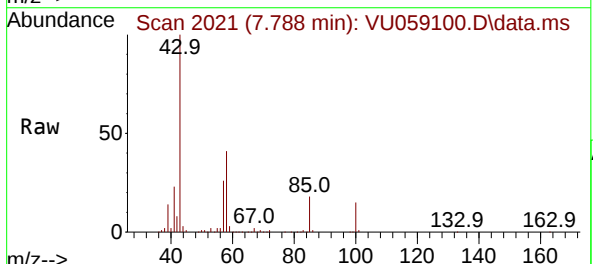
Tgt Ion: 43 Resp: 288063

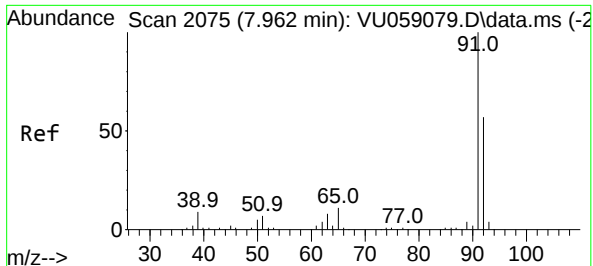
Ion Ratio Lower Upper

43 100

58 41.1 33.7 50.5

100 14.3 11.4 17.0





#42

Toluene

Concen: 44.921 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. 0.000 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA_U

ClientSampleId :

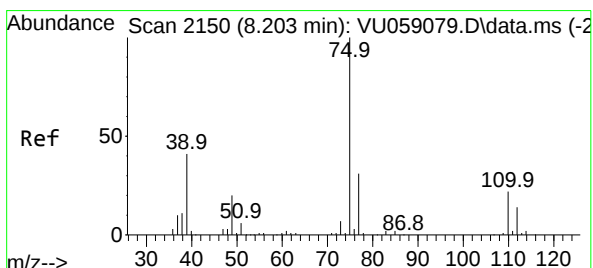
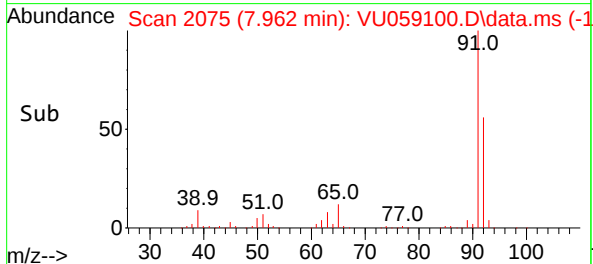
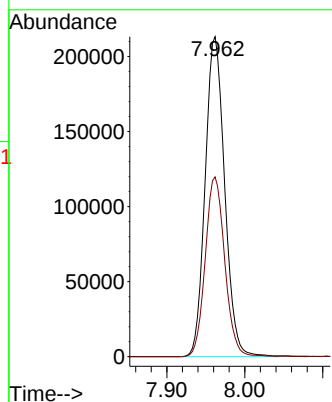
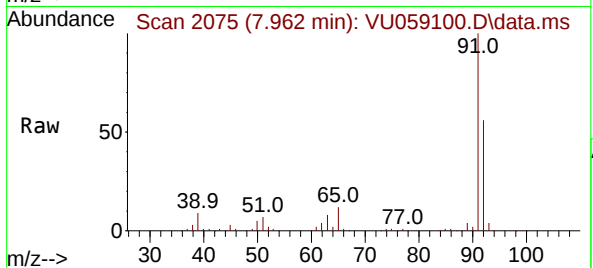
A4D18MEMSD

Tgt Ion: 91 Resp: 370701

Ion Ratio Lower Upper

91 100

92 56.2 39.4 73.2



#44

trans-1,3-Dichloropropene

Concen: 46.764 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU059100.D

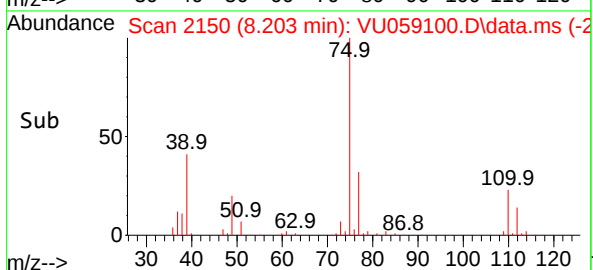
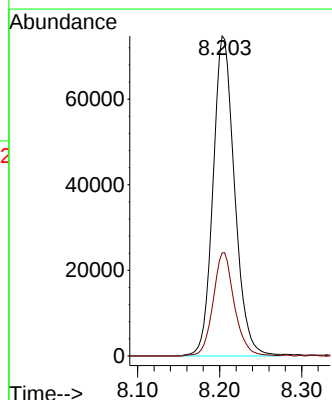
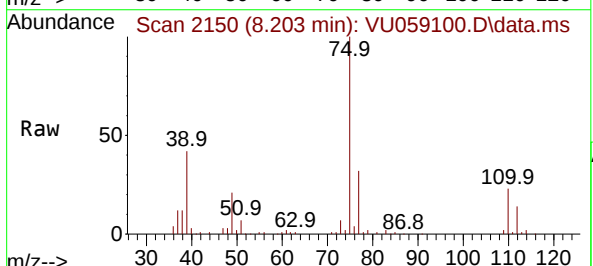
Acq: 30 May 2024 17:30

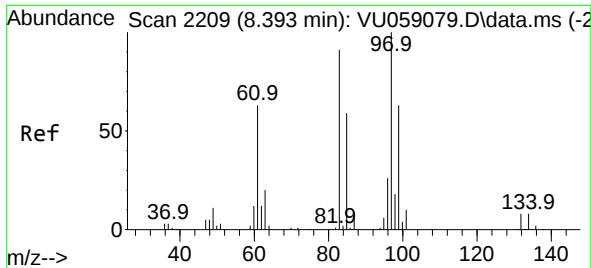
Tgt Ion: 75 Resp: 136747

Ion Ratio Lower Upper

75 100

77 32.2 22.0 40.8

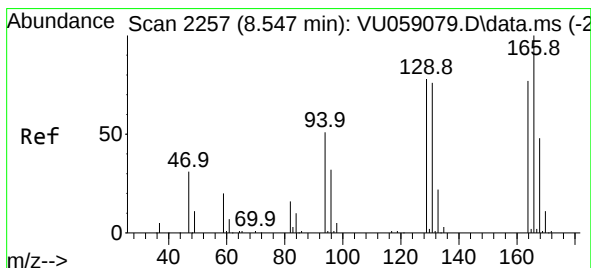
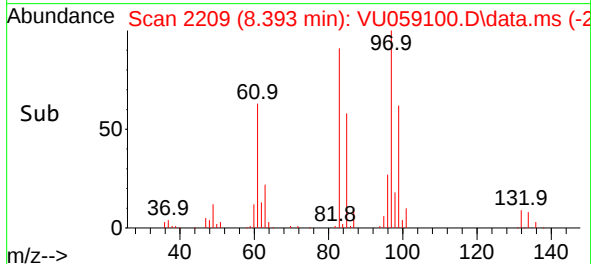
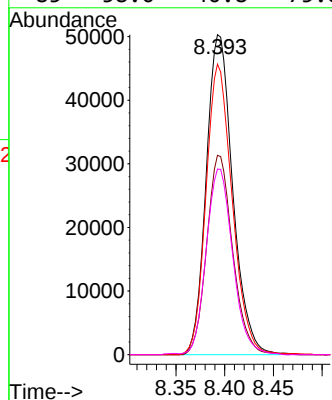
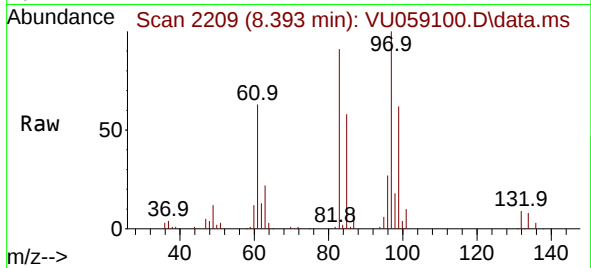




#45
1,1,2-Trichloroethane
Concen: 45.398 ug/L
RT: 8.393 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU059100.D
Acq: 30 May 2024 17:30

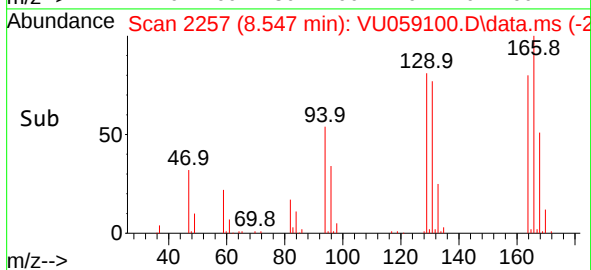
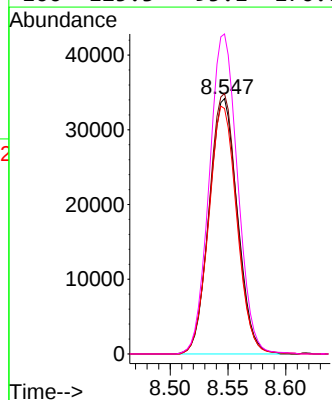
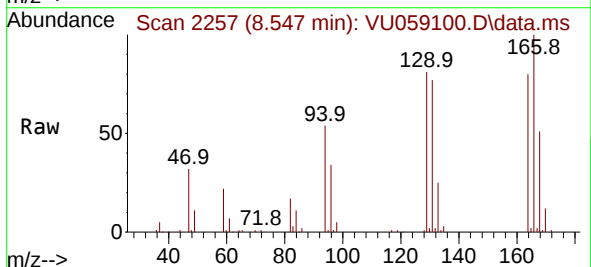
Instrument :
MSVOA_U
ClientSampleId :
A4D18MEMSD

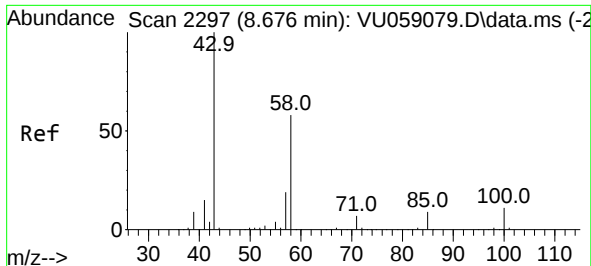
Tgt Ion:	97	Resp:	95289
Ion	Ratio	Lower	Upper
97	100		
99	62.3	44.0	81.6
83	90.8	63.6	118.2
85	58.0	40.8	75.8



#46
Tetrachloroethene
Concen: 43.374 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU059100.D
Acq: 30 May 2024 17:30

Tgt Ion:	164	Resp:	58159
Ion	Ratio	Lower	Upper
164	100		
129	102.0	74.5	138.5
131	96.1	70.6	131.0
166	125.3	95.1	176.7

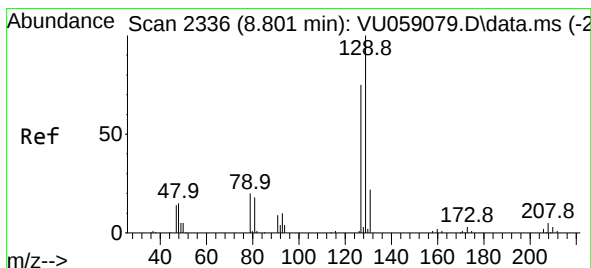
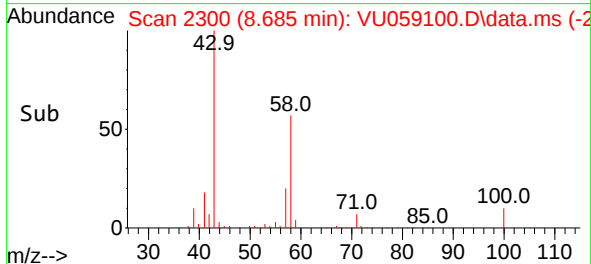
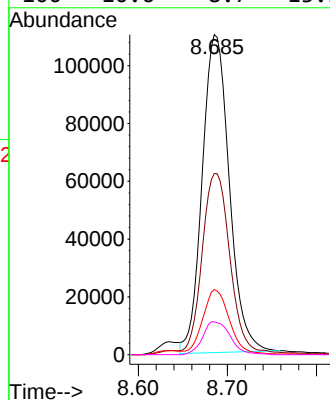
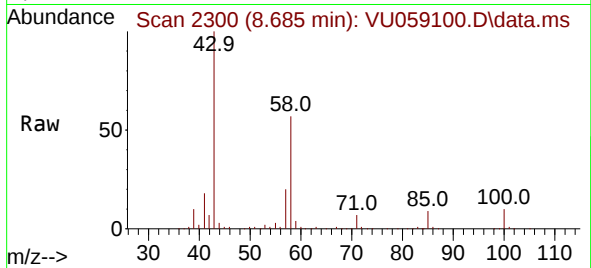




#48
2-Hexanone
Concen: 90.016 ug/L
RT: 8.685 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU059100.D
Acq: 30 May 2024 17:30

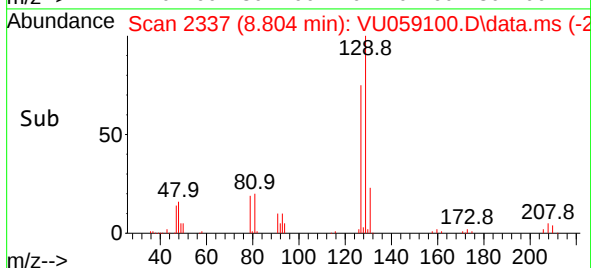
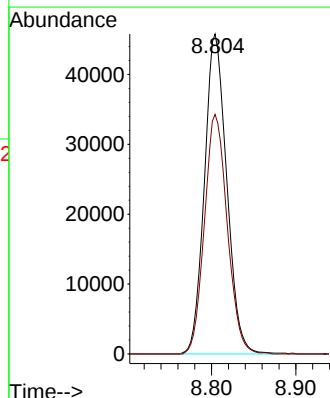
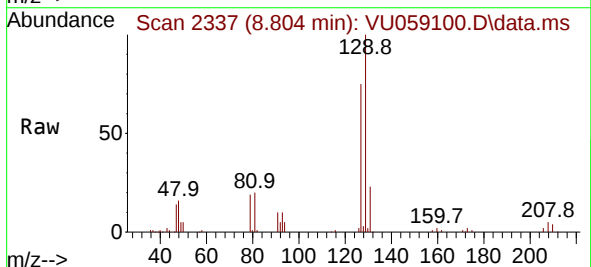
Instrument :
MSVOA_U
ClientSampleId :
A4D18MEMSD

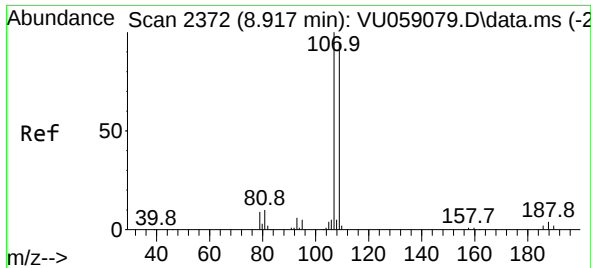
Tgt Ion: 43 Resp: 232353
Ion Ratio Lower Upper
43 100
58 57.9 45.9 68.9
57 20.4 16.3 24.5
100 10.6 8.7 13.1



#49
Dibromochloromethane
Concen: 44.474 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.003 min
Lab File: VU059100.D
Acq: 30 May 2024 17:30

Tgt Ion:129 Resp: 84363
Ion Ratio Lower Upper
129 100
127 74.8 53.3 98.9

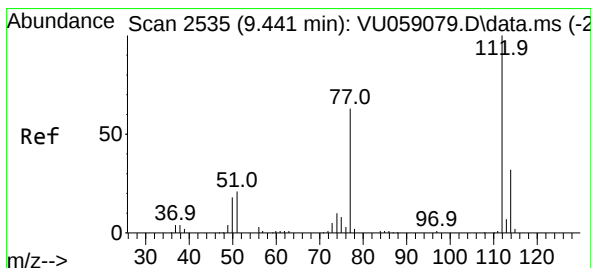
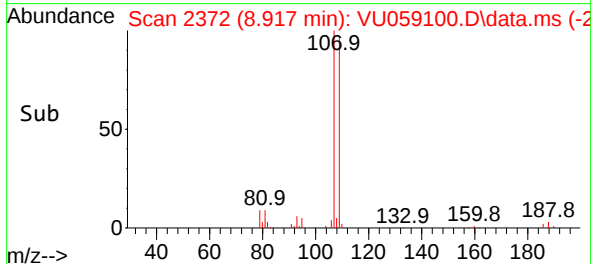
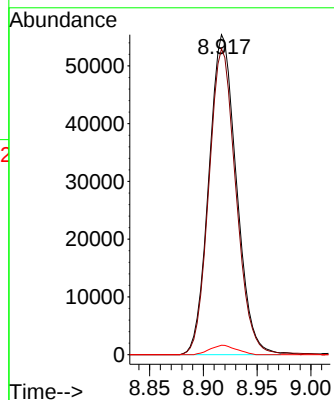
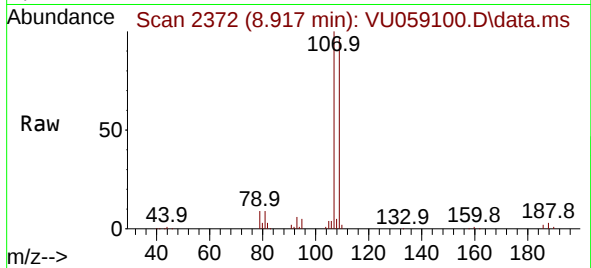




#50
1,2-Dibromoethane
Concen: 45.703 ug/L
RT: 8.917 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU059100.D
Acq: 30 May 2024 17:30

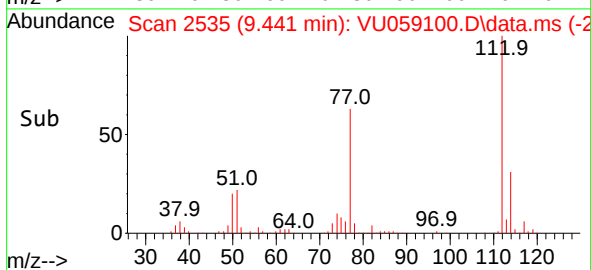
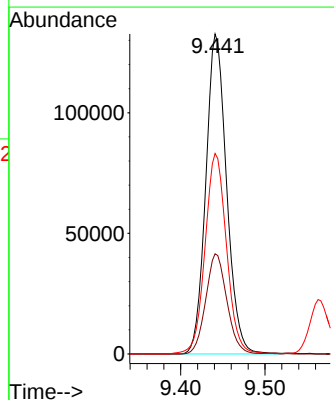
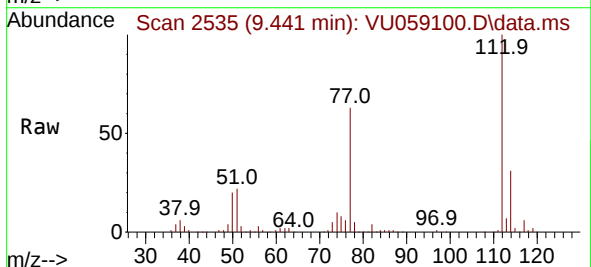
Instrument :
MSVOA_U
ClientSampleId :
A4D18MEMSD

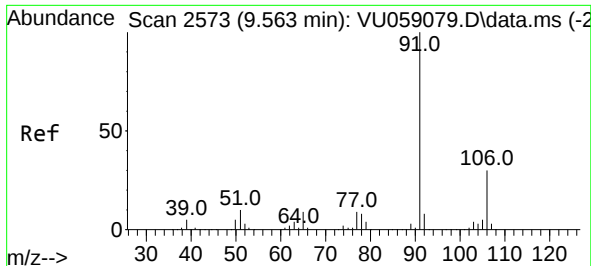
Tgt Ion:107 Resp: 98955
Ion Ratio Lower Upper
107 100
109 95.6 67.8 125.8
188 2.9 2.5 3.7



#51
Chlorobenzene
Concen: 45.783 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU059100.D
Acq: 30 May 2024 17:30

Tgt Ion:112 Resp: 228035
Ion Ratio Lower Upper
112 100
114 31.3 22.1 41.1
77 62.7 49.8 74.6

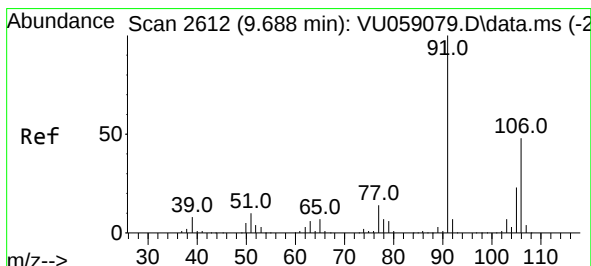
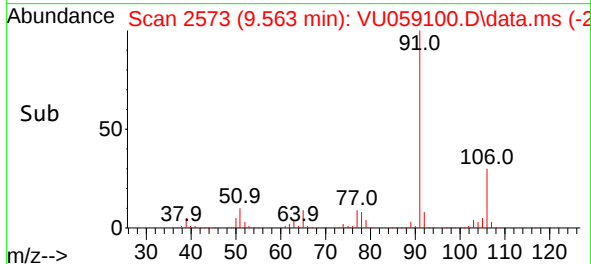
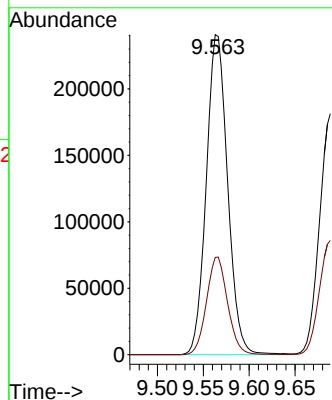
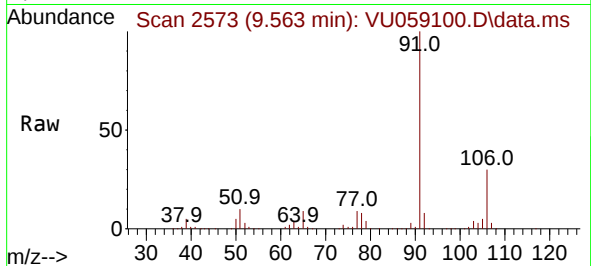




#52
Ethylbenzene
Concen: 45.819 ug/L
RT: 9.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU059100.D
Acq: 30 May 2024 17:30

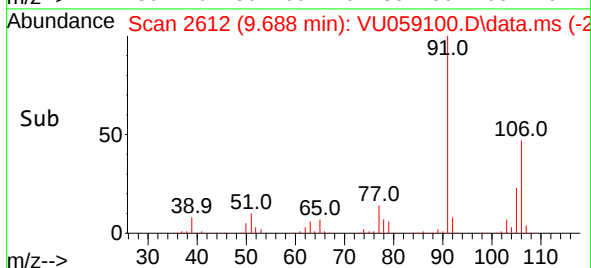
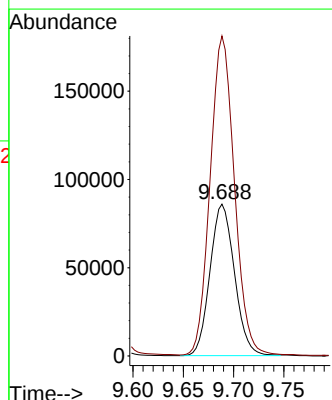
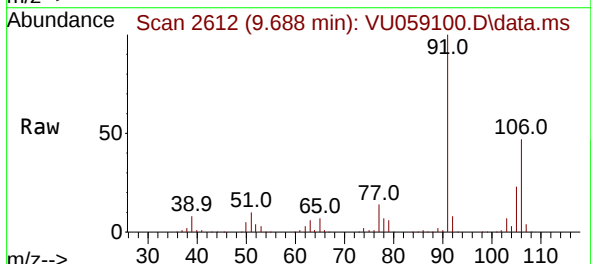
Instrument :
MSVOA_U
ClientSampleId :
A4D18MEMSD

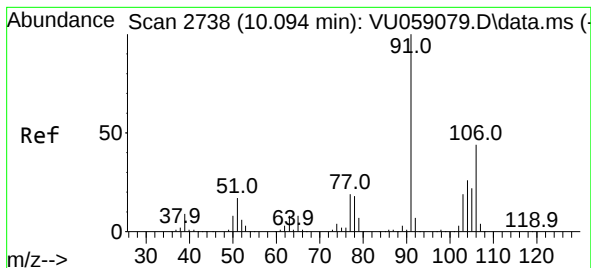
Tgt Ion: 91 Resp: 389815
Ion Ratio Lower Upper
91 100
106 30.4 21.0 39.0



#53
m,p-Xylene
Concen: 46.507 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU059100.D
Acq: 30 May 2024 17:30

Tgt Ion: 106 Resp: 145419
Ion Ratio Lower Upper
106 100
91 210.8 146.4 272.0





#54

o-Xylene

Concen: 47.368 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA_U

ClientSampleId :

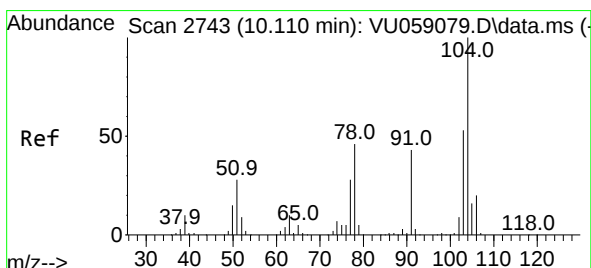
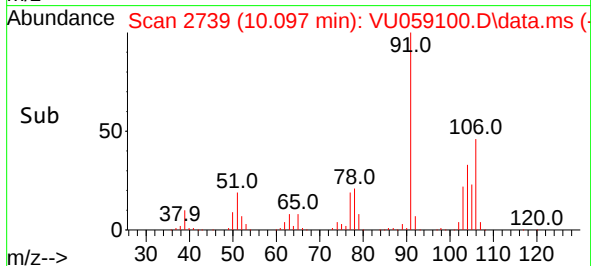
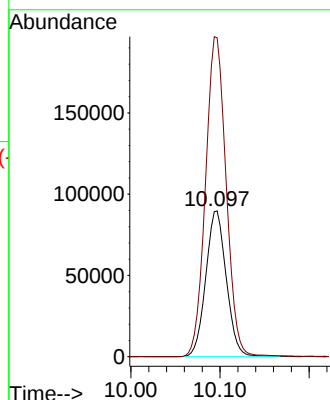
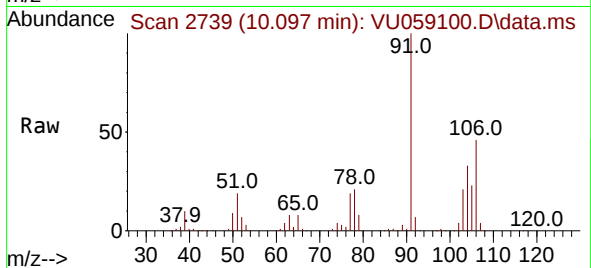
A4D18MEMSD

Tgt Ion:106 Resp: 143540

Ion Ratio Lower Upper

106 100

91 218.8 156.7 290.9



#55

Styrene

Concen: 50.429 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU059100.D

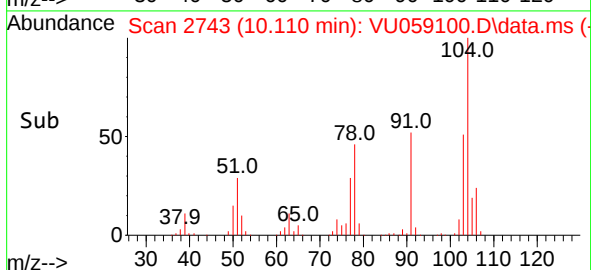
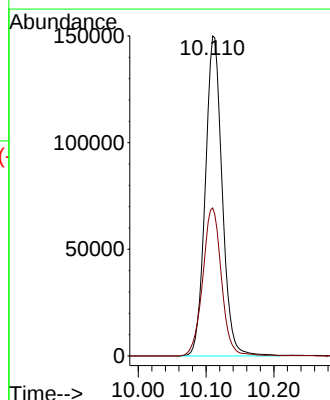
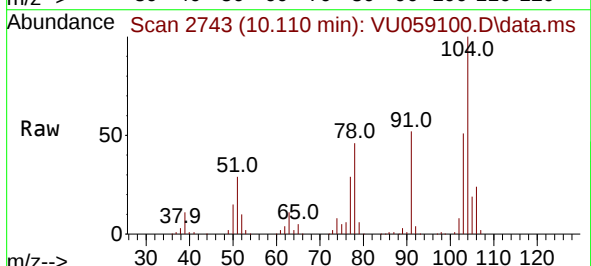
Acq: 30 May 2024 17:30

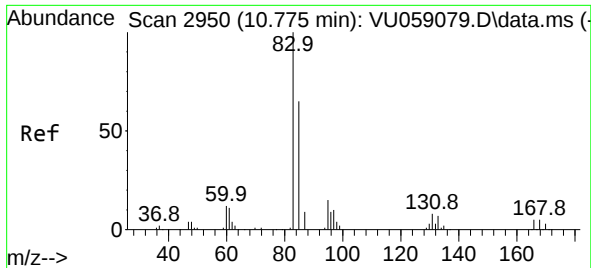
Tgt Ion:104 Resp: 259755

Ion Ratio Lower Upper

104 100

78 46.3 34.7 64.5

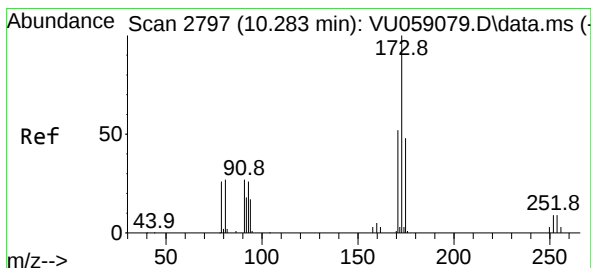
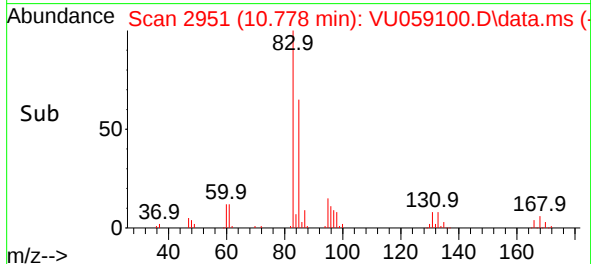
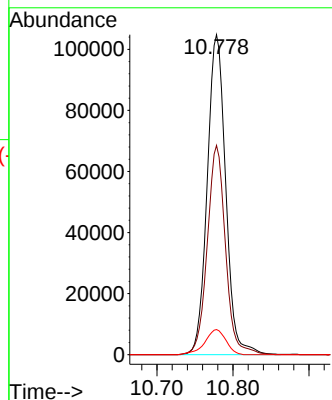
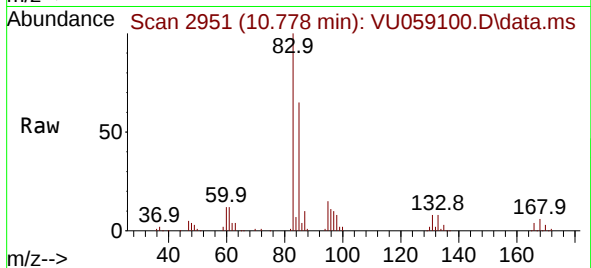




#57
1,1,2,2-Tetrachloroethane
Concen: 46.302 ug/L
RT: 10.778 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VU059100.D
Acq: 30 May 2024 17:30

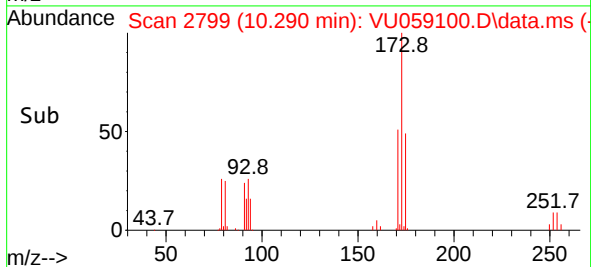
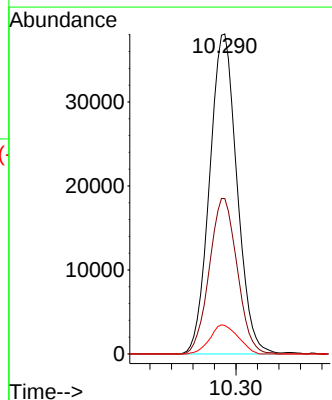
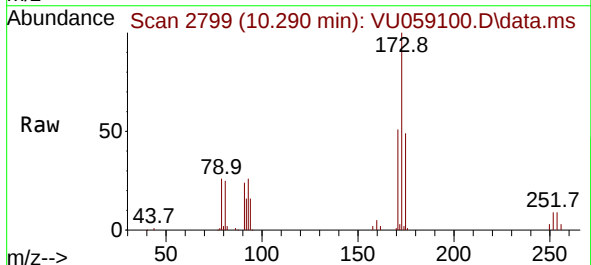
Instrument :
MSVOA_U
ClientSampleId :
A4D18MEMSD

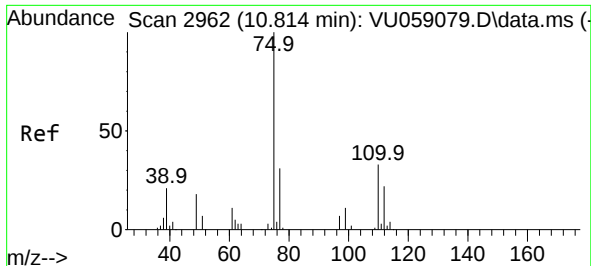
Tgt Ion: 83 Resp: 177042
Ion Ratio Lower Upper
83 100
85 65.4 46.1 85.7
131 7.9 7.0 10.4



#59
Bromoform
Concen: 41.815 ug/L
RT: 10.290 min Scan# 2799
Delta R.T. 0.006 min
Lab File: VU059100.D
Acq: 30 May 2024 17:30

Tgt Ion:173 Resp: 67354
Ion Ratio Lower Upper
173 100
175 49.3 39.0 58.6
254 9.4 7.5 11.3

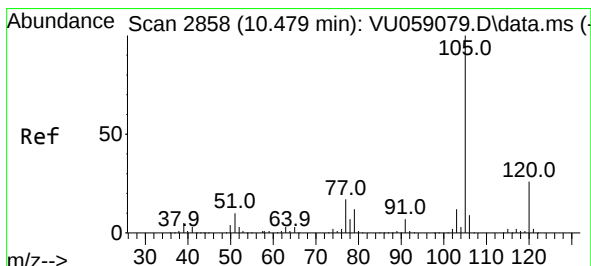
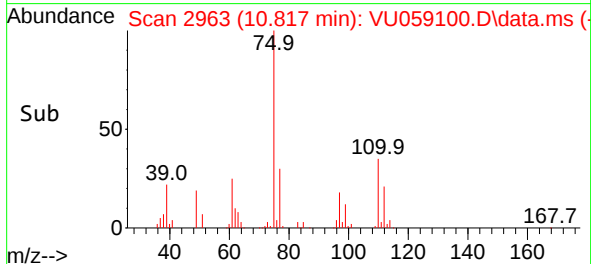
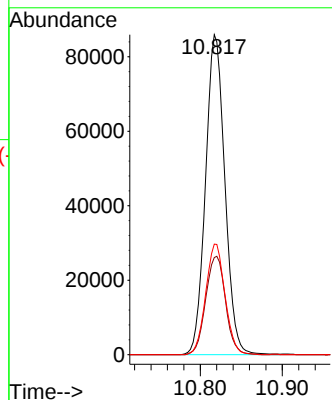
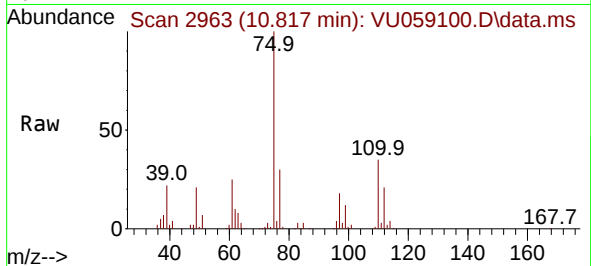




#60
1,2,3-Trichloropropane
Concen: 41.267 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.003 min
Lab File: VU059100.D
Acq: 30 May 2024 17:30

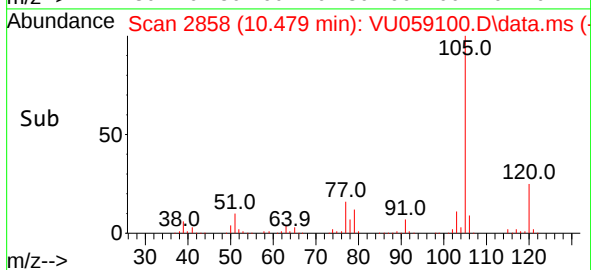
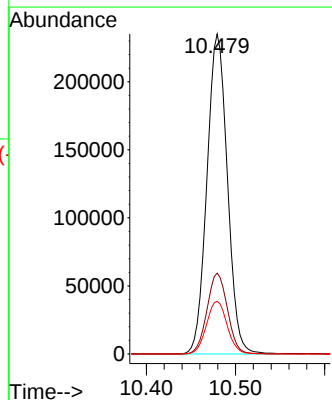
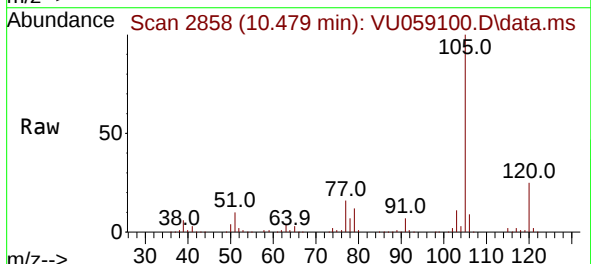
Instrument :
MSVOA_U
ClientSampleId :
A4D18MEMSD

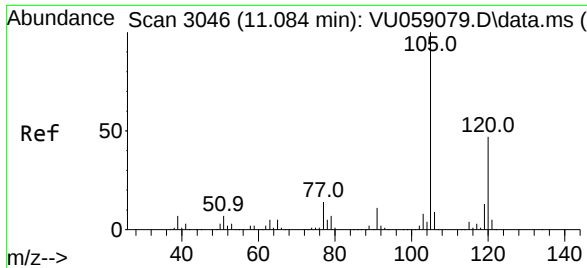
Tgt Ion: 75 Resp: 140982
Ion Ratio Lower Upper
75 100
77 31.5 26.2 39.2
110 34.4 28.4 42.6



#61
Isopropylbenzene
Concen: 43.333 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU059100.D
Acq: 30 May 2024 17:30

Tgt Ion: 105 Resp: 374532
Ion Ratio Lower Upper
105 100
120 25.2 20.3 30.5
77 16.7 13.4 20.0

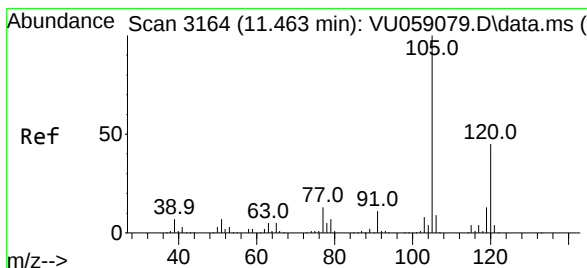
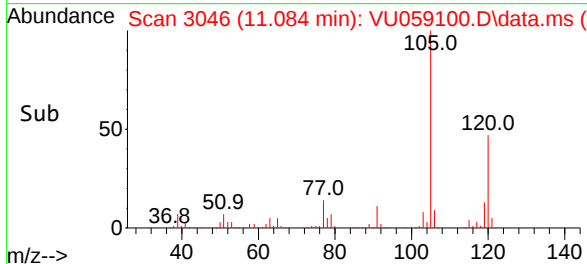
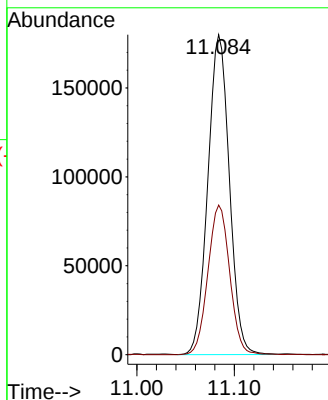
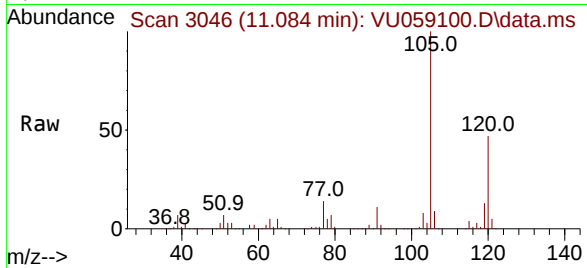




#62
 1,3,5-Trimethylbenzene
 Concen: 44.036 ug/L
 RT: 11.084 min Scan# 3046
 Delta R.T. 0.000 min
 Lab File: VU059100.D
 Acq: 30 May 2024 17:30

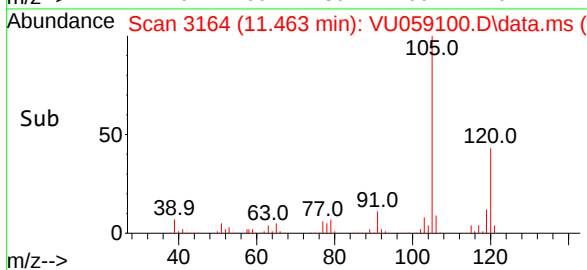
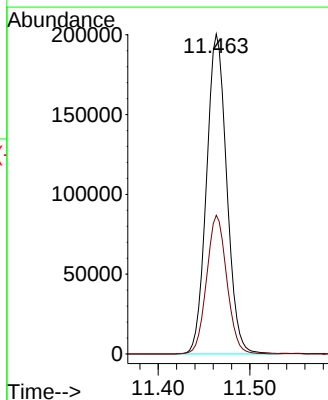
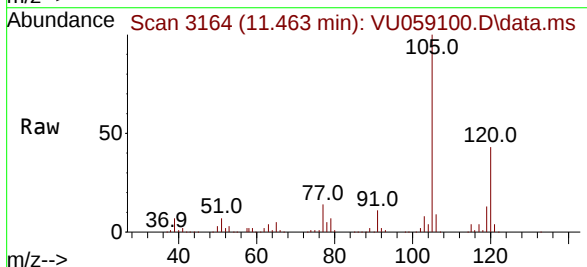
Instrument :
 MSVOA_U
 ClientSampleId :
 A4D18MEMSD

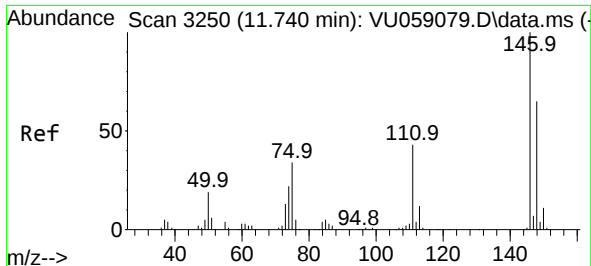
Tgt Ion:105 Resp: 275764
 Ion Ratio Lower Upper
 105 100
 120 47.3 37.8 56.8



#63
 1,2,4-Trimethylbenzene
 Concen: 45.316 ug/L
 RT: 11.463 min Scan# 3164
 Delta R.T. 0.000 min
 Lab File: VU059100.D
 Acq: 30 May 2024 17:30

Tgt Ion:105 Resp: 307628
 Ion Ratio Lower Upper
 105 100
 120 43.3 35.0 52.6

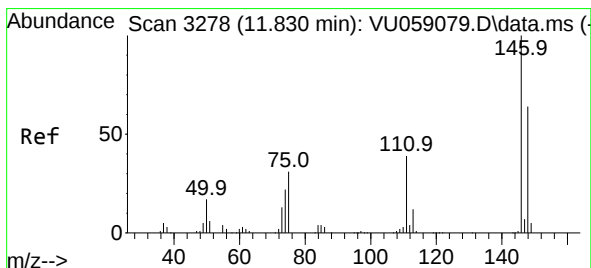
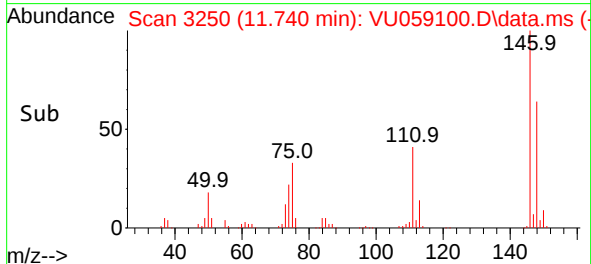
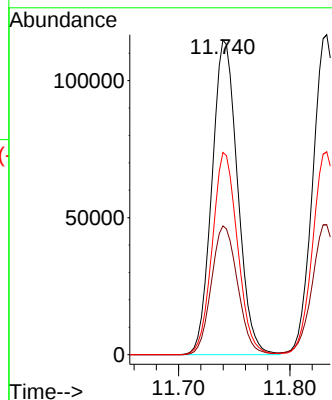
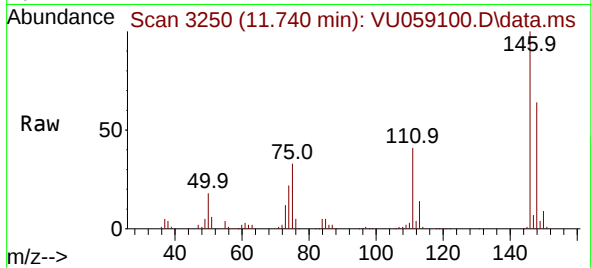




#64
1,3-Dichlorobenzene
Concen: 45.462 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU059100.D
Acq: 30 May 2024 17:30

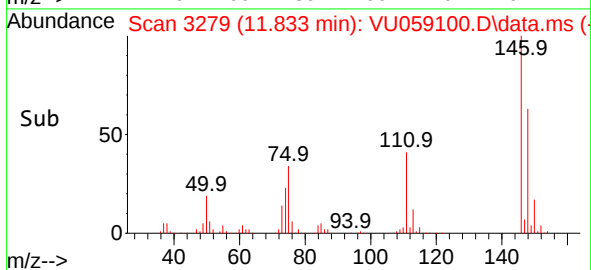
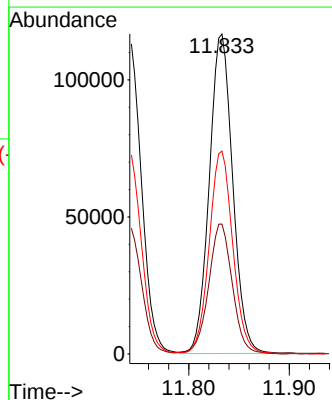
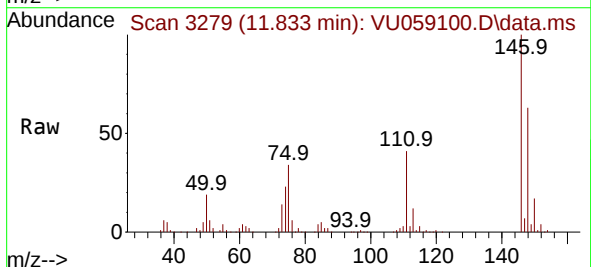
Instrument :
MSVOA_U
ClientSampleId :
A4D18MEMSD

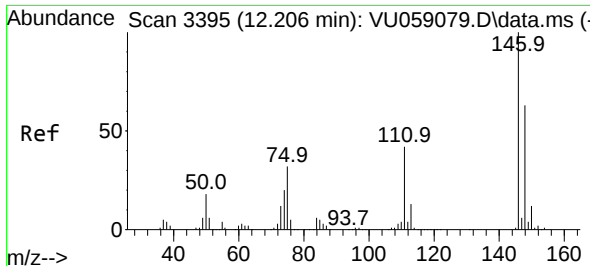
Tgt Ion:146 Resp: 183646
Ion Ratio Lower Upper
146 100
111 40.9 28.7 53.3
148 64.3 44.9 83.5



#65
1,4-Dichlorobenzene
Concen: 45.321 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU059100.D
Acq: 30 May 2024 17:30

Tgt Ion:146 Resp: 189072
Ion Ratio Lower Upper
146 100
111 40.6 27.9 51.9
148 63.4 45.7 84.9





#67

1,2-Dichlorobenzene

Concen: 42.747 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA_U

ClientSampleId :

A4D18MEMSD

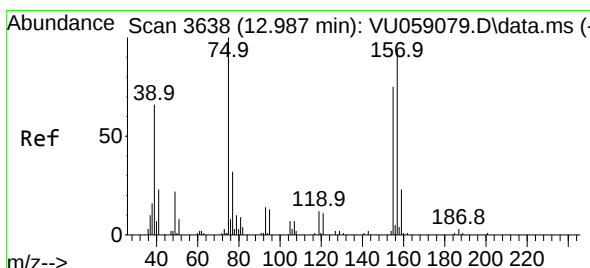
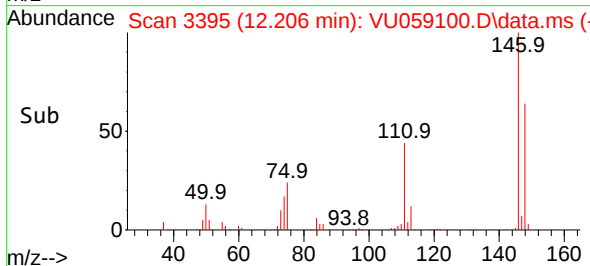
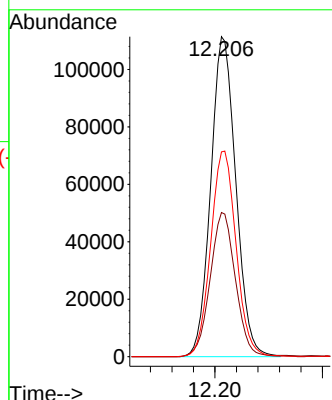
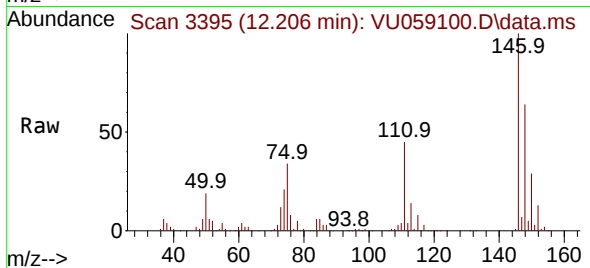
Tgt Ion:146 Resp: 180478

Ion Ratio Lower Upper

146 100

111 45.1 33.4 50.2

148 64.0 49.8 74.8



#68

1,2-Dibromo-3-chloropropane

Concen: 40.455 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.003 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

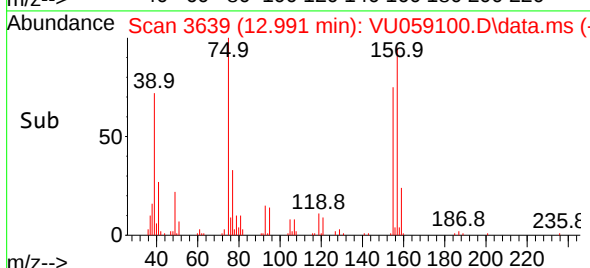
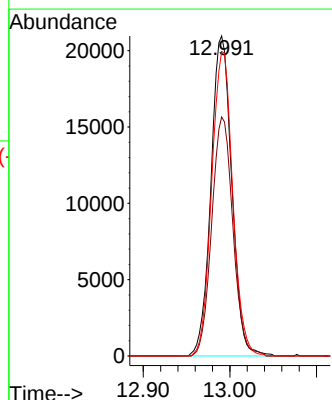
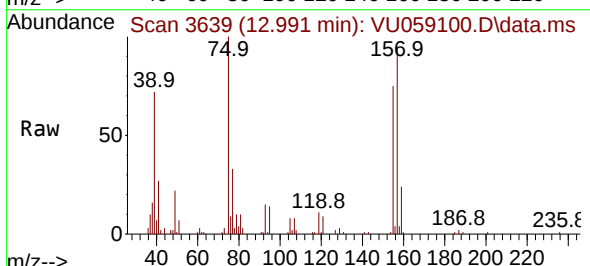
Tgt Ion: 75 Resp: 35038

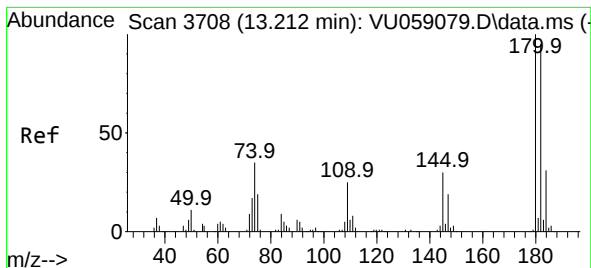
Ion Ratio Lower Upper

75 100

155 78.5 57.5 86.3

157 95.2 73.4 110.2





#69

1,3,5-Trichlorobenzene

Concen: 44.098 ug/L

RT: 13.212 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA_U

ClientSampleId :

A4D18MEMSD

Tgt Ion:180 Resp: 117645

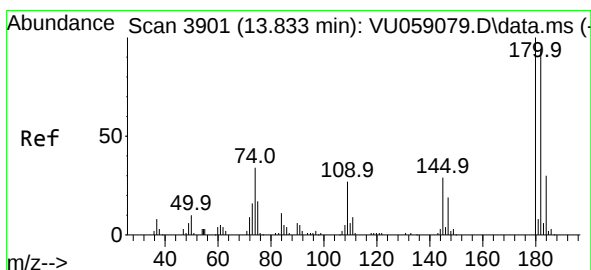
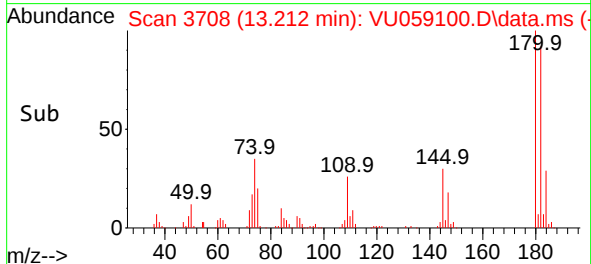
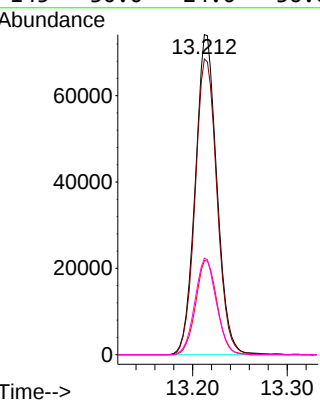
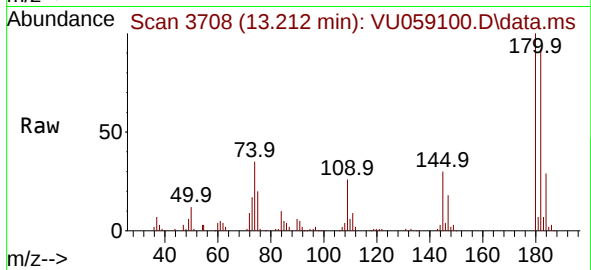
Ion Ratio Lower Upper

180 100

182 93.5 75.6 113.4

184 29.2 24.2 36.2

145 30.0 24.0 36.0



#70

1,2,4-trichlorobenzene

Concen: 45.887 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.003 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

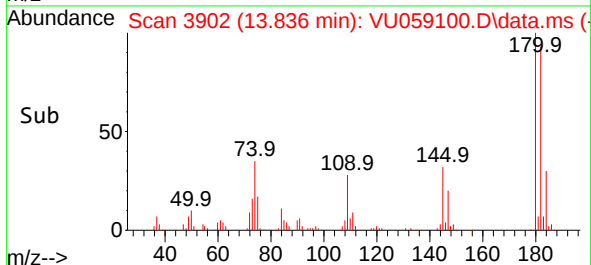
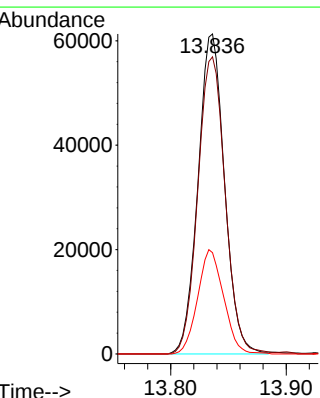
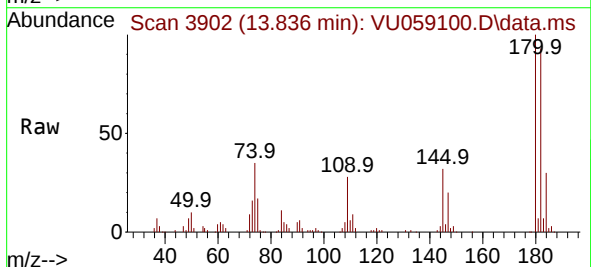
Tgt Ion:180 Resp: 97774

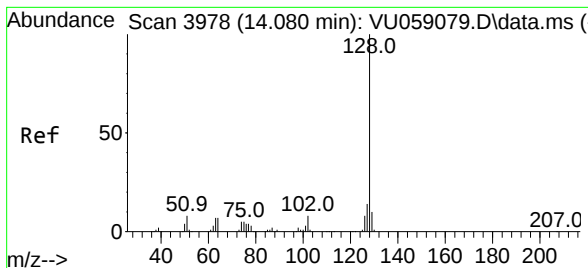
Ion Ratio Lower Upper

180 100

182 95.6 77.4 116.2

145 31.8 24.8 37.2





#71

Naphthalene

Concen: 44.944 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Instrument :

MSVOA_U

ClientSampleId :

A4D18MEMSD

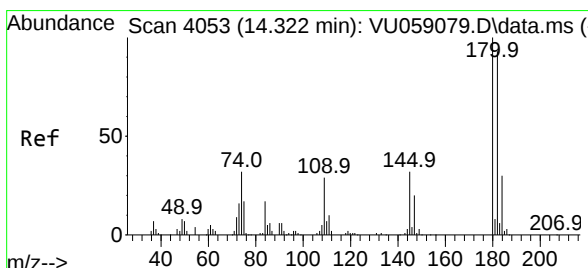
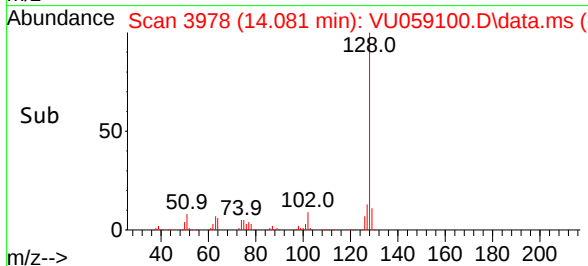
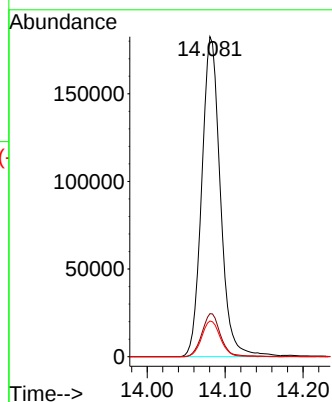
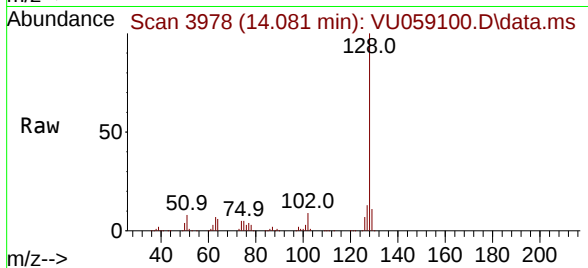
Tgt Ion:128 Resp: 303126

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

129 11.1 8.5 12.7



#72

1,2,3-Trichlorobenzene

Concen: 46.335 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.003 min

Lab File: VU059100.D

Acq: 30 May 2024 17:30

Tgt Ion:180 Resp: 100374

Ion Ratio Lower Upper

180 100

182 93.2 76.2 114.4

145 34.0 26.4 39.6

