

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU030724\
 Data File : VU057997.D
 Acq On : 06 Mar 2024 12:50
 Operator : MD/SY
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Mar 07 03:55:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Mar 01 22:42:28 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	140454	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	132233	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	63422	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.592	65	50292	4.977	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.600%
7) Chloroethane-d5	1.904	69	42836	5.157	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	103.200%
11) 1,1-Dichloroethene-d2	2.557	65	22413	5.125	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.600%
20) 2-Butanone-d5	4.611	46	94629	56.833	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	113.660%
24) Chloroform-d	5.055	84	101811	5.327	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.600%
26) 1,2-Dichloroethane-d4	5.695	65	47516	5.487	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.800%
32) Benzene-d6	5.721	84	198649	5.155	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	103.200%
36) 1,2-Dichloropropane-d6	6.685	67	63906	5.455	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	109.200%
41) Toluene-d8	7.894	98	183203	5.247	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.000%
43) trans-1,3-Dichloroprop...	8.177	79	21289	5.285	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.600%
46) 2-Hexanone-d5	8.627	63	79861	59.045	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	118.080%
56) 1,1,2,2-Tetrachloroeth...	10.753	84	40564	5.647	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	113.000%
66) 1,2-Dichlorobenzene-d4	12.190	152	54990	5.265	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	47157	5.541	ug/L	100
3) Chloromethane	1.515	50	52910	5.317	ug/L	99
5) Vinyl chloride	1.599	62	59064	5.518	ug/L	100
6) Bromomethane	1.849	94	29823	5.290	ug/L	97
8) Chloroethane	1.927	64	36842	5.466	ug/L	96
9) Trichlorofluoromethane	2.132	101	82701	5.424	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.573	101	52496	5.507	ug/L	99
12) 1,1-Dichloroethene	2.570	96	45715	5.394	ug/L	98
13) Acetone	2.611	43	71020	57.315	ug/L	99
14) Carbon disulfide	2.785	76	135933	5.187	ug/L	99
15) Methyl Acetate	2.943	43	16224	5.900	ug/L	96
16) Methylene chloride	3.036	84	54895	5.330	ug/L	97
17) Methyl tert-butyl Ether	3.351	73	108086	5.393	ug/L	99
18) trans-1,2-Dichloroethene	3.345	96	48406	5.244	ug/L	97
19) 1,1-Dichloroethane	3.859	63	103301	5.610	ug/L	98
21) 2-Butanone	4.689	43	107285	54.948	ug/L	97
22) cis-1,2-Dichloroethene	4.656	96	55655	5.481	ug/L	98
23) Bromochloromethane	4.965	128	20959	5.559	ug/L	91
25) Chloroform	5.078	83	104111	5.538	ug/L	99

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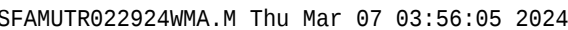
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 MSVOA_U
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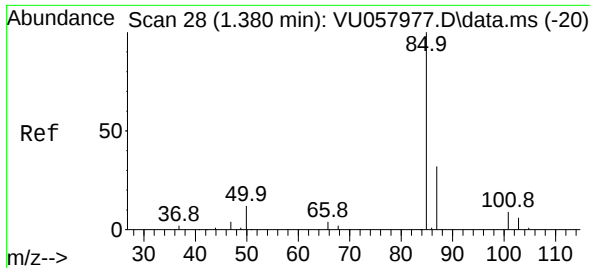
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	58486	5.620	ug/L	99
29) 1,1,1-Trichloroethane	5.306	97	85944	5.461	ug/L	99
30) Cyclohexane	5.380	56	82897	5.216	ug/L	100
31) Carbon tetrachloride	5.518	117	75234	5.501	ug/L	99
33) Benzene	5.766	78	222507	5.484	ug/L	100
34) Trichloroethene	6.537	95	57207	5.358	ug/L	97
35) Methylcyclohexane	6.756	83	85194	5.206	ug/L	99
37) 1,2-Dichloropropane	6.785	63	58941	5.633	ug/L	100
38) Bromodichloromethane	7.100	83	68431	5.391	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	78089	5.417	ug/L	98
40) 4-Methyl-2-pentanone	7.782	43	271497	56.405	ug/L	99
42) Toluene	7.965	91	230066	5.444	ug/L	98
44) trans-1,3-Dichloropropene	8.206	75	61504	5.354	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	34814	5.611	ug/L	98
47) Tetrachloroethene	8.550	164	39959	5.395	ug/L	95
48) 2-Hexanone	8.679	43	188682	53.453	ug/L	99
49) Dibromochloromethane	8.804	129	41192	5.609	ug/L	98
50) 1,2-Dibromoethane	8.920	107	31411	5.705	ug/L	92
51) Chlorobenzene	9.444	112	143138	5.401	ug/L	98
52) Ethylbenzene	9.566	91	256177	5.417	ug/L	97
53) m,p-Xylene	9.692	106	91492	5.415	ug/L	100
54) o-Xylene	10.097	106	91021	5.405	ug/L	96
55) Styrene	10.110	104	147045	5.564	ug/L	96
57) 1,1,2,2-Tetrachloroethane	10.778	83	43221	5.914	ug/L	99
59) Bromoform	10.286	173	20856	5.896	ug/L	99
60) Isopropylbenzene	10.479	105	234391	5.549	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	29524	5.683	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	194300	5.454	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	197264	5.610	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	106524	5.548	ug/L	97
65) 1,4-Dichlorobenzene	11.833	146	102986	5.480	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	92651	5.528	ug/L	98
68) 1,2-Dibromo-3-chloropr...	12.994	75	5443	5.281	ug/L	93
69) 1,3,5-Trichlorobenzene	13.216	180	73593	5.329	ug/L	100
70) 1,2,4-trichlorobenzene	13.839	180	54767	5.278	ug/L	98
71) Naphthalene	14.087	128	68232	4.815	ug/L	99
72) 1,2,3-Trichlorobenzene	14.328	180	43006	5.247	ug/L	99

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

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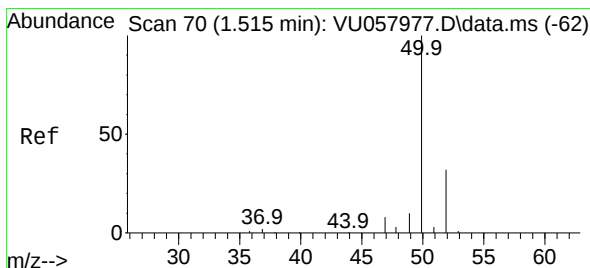
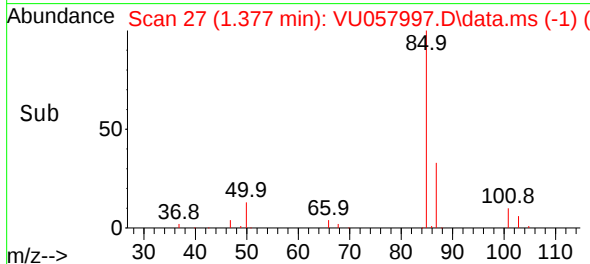
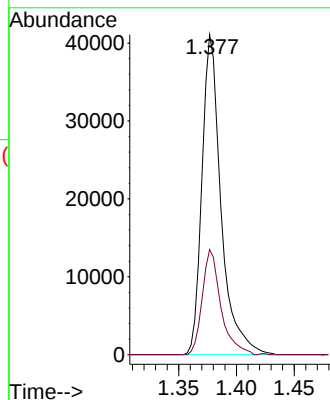
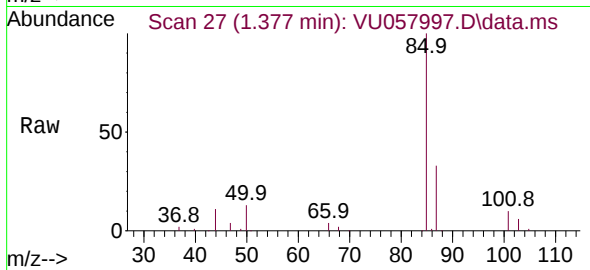




#2
 Dichlorodifluoromethane
 Concen: 5.541 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU057997.D
 Acq: 06 Mar 2024 12:50

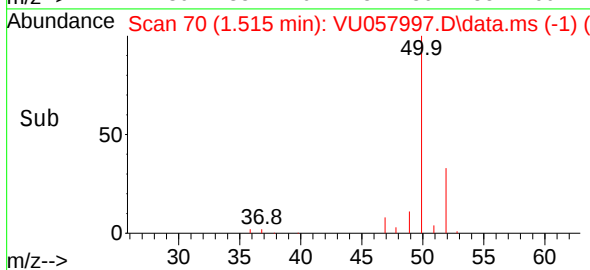
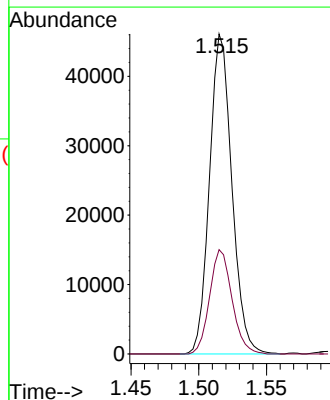
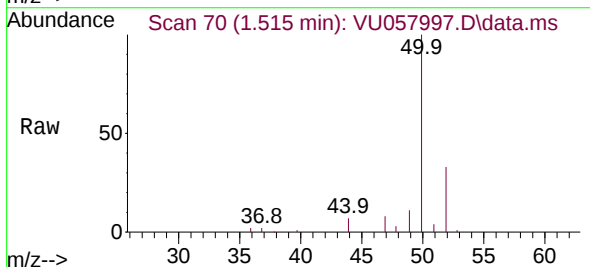
Instrument :
 MSVOA_U
 ClientSampleId :

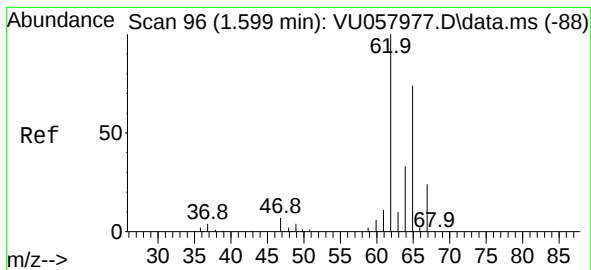
Tgt Ion: 85 Resp: 47157
 Ion Ratio Lower Upper
 85 100
 87 32.0 25.8 38.6



#3
 Chloromethane
 Concen: 5.317 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU057997.D
 Acq: 06 Mar 2024 12:50

Tgt Ion: 50 Resp: 52910
 Ion Ratio Lower Upper
 50 100
 52 32.6 23.1 42.9





#5

Vinyl chloride

Concen: 5.518 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.000 min

Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

Instrument :

MSVOA_U

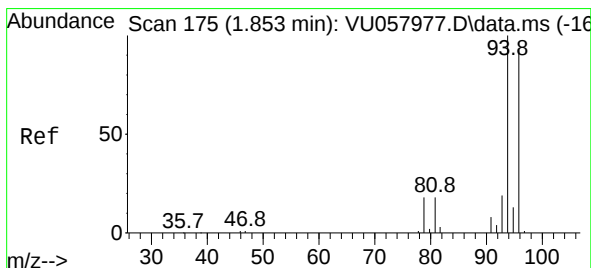
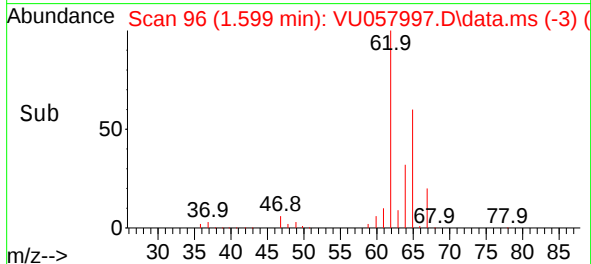
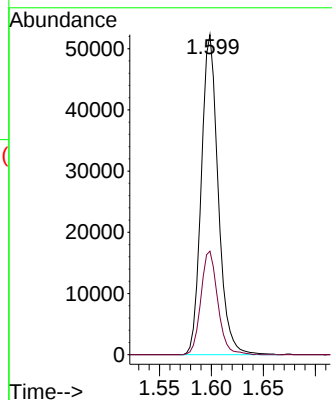
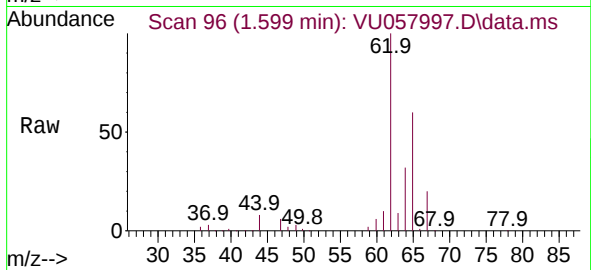
ClientSampleId :

Tgt Ion: 62 Resp: 59064

Ion Ratio Lower Upper

62 100

64 32.4 22.5 41.7



#6

Bromomethane

Concen: 5.290 ug/L

RT: 1.849 min Scan# 174

Delta R.T. -0.003 min

Lab File: VU057997.D

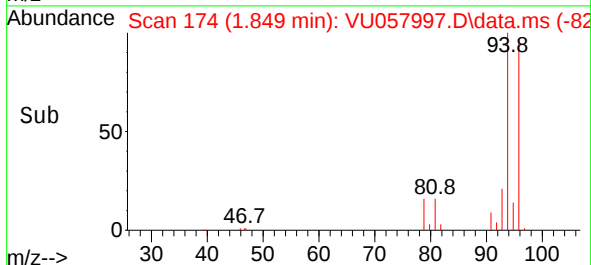
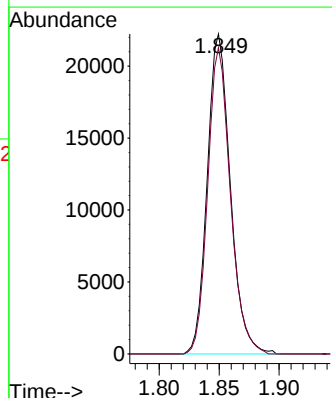
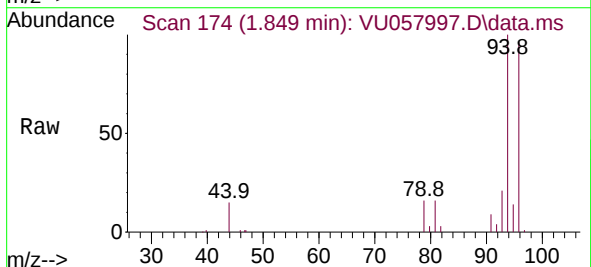
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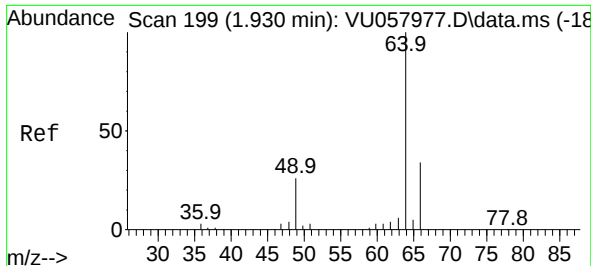
Tgt Ion: 94 Resp: 29823

Ion Ratio Lower Upper

94 100

96 95.7 65.2 121.2

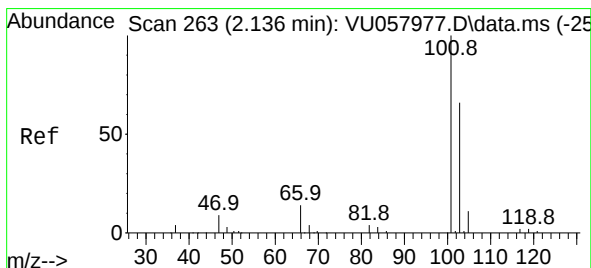
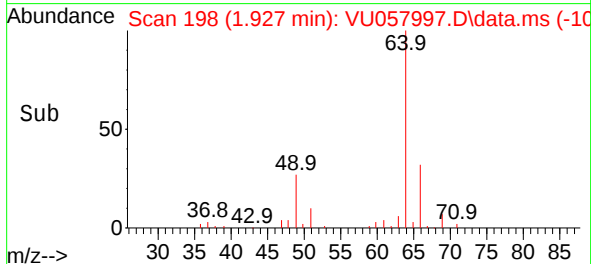
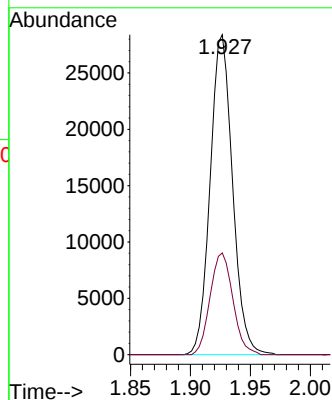
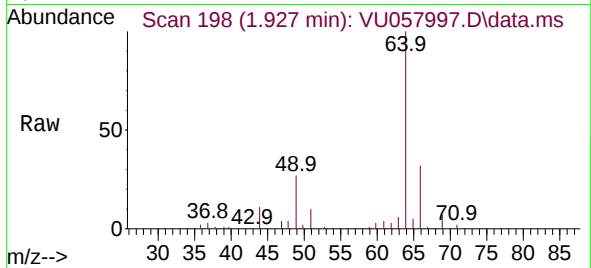




#8
Chloroethane
Concen: 5.466 ug/L
RT: 1.927 min Scan# 198
Delta R.T. -0.003 min
Lab File: VU057997.D
Acq: 06 Mar 2024 12:50

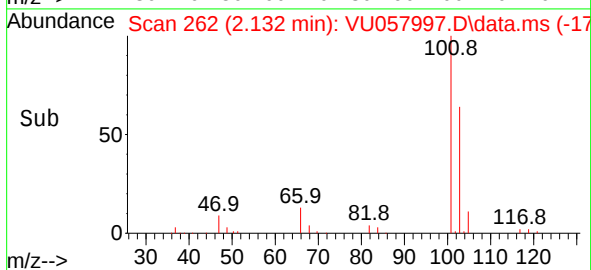
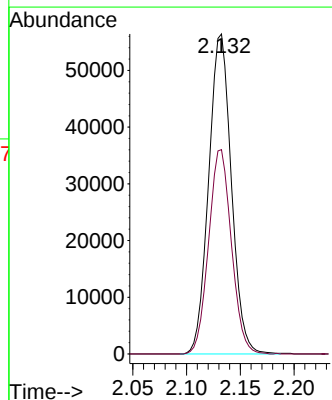
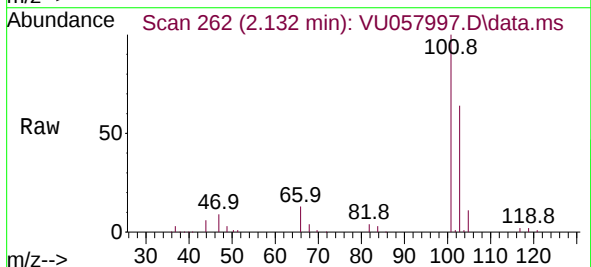
Instrument :
MSVOA_U
ClientSampleId :

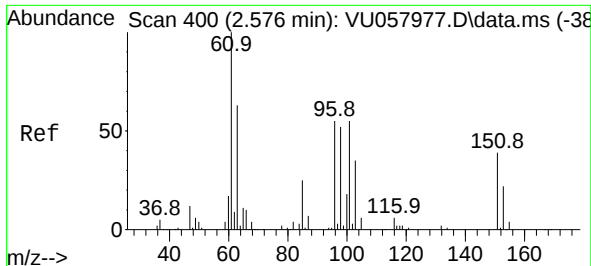
Tgt Ion: 64 Resp: 36842
Ion Ratio Lower Upper
64 100
66 31.8 20.9 38.9



#9
Trichlorofluoromethane
Concen: 5.424 ug/L
RT: 2.132 min Scan# 262
Delta R.T. -0.003 min
Lab File: VU057997.D
Acq: 06 Mar 2024 12:50

Tgt Ion:101 Resp: 82701
Ion Ratio Lower Upper
101 100
103 64.1 51.4 77.2





#10

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

Concen: 5.507 ug/L

RT: 2.573 min Scan# 399

Delta R.T. -0.003 min

Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

Instrument :

MSVOA_U

ClientSampleId :

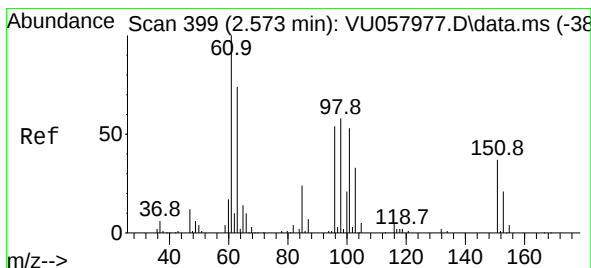
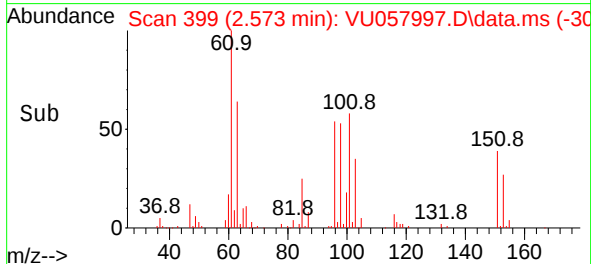
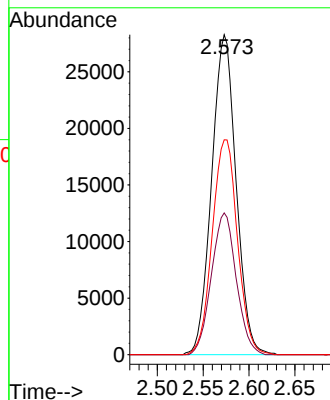
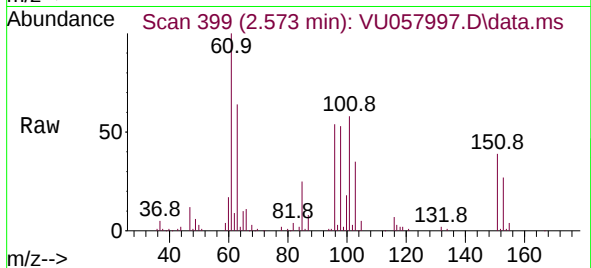
Tgt Ion:101 Resp: 52496

Ion Ratio Lower Upper

101 100

85 45.1 37.3 55.9

151 69.4 56.0 84.0



#12

1,1-Dichloroethene

Concen: 5.394 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.003 min

Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

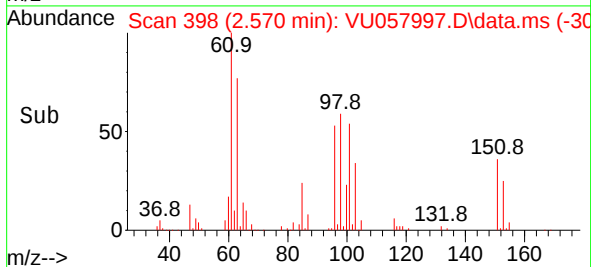
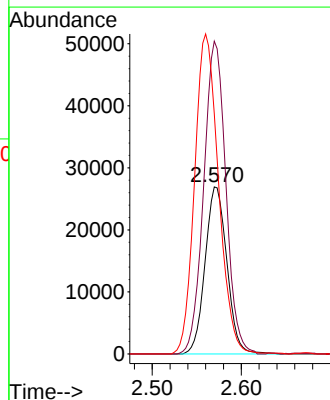
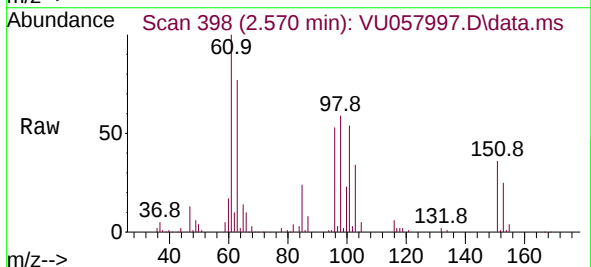
Tgt Ion: 96 Resp: 45715

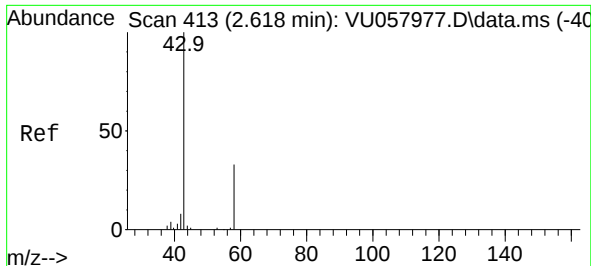
Ion Ratio Lower Upper

96 100

61 187.3 131.8 244.8

63 143.9 98.1 182.1





#13

Acetone

Concen: 57.315 ug/L

RT: 2.611 min Scan# 411

Delta R.T. -0.006 min

Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

Instrument :

MSVOA_U

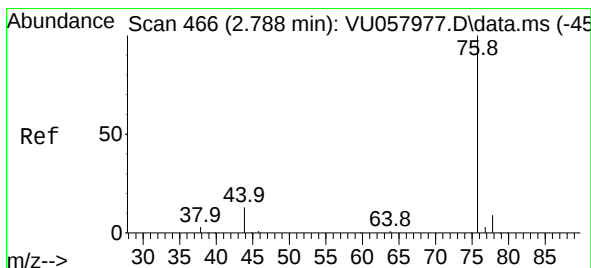
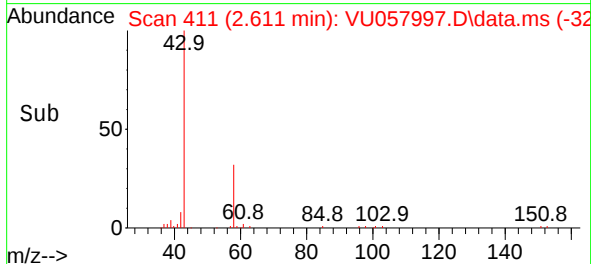
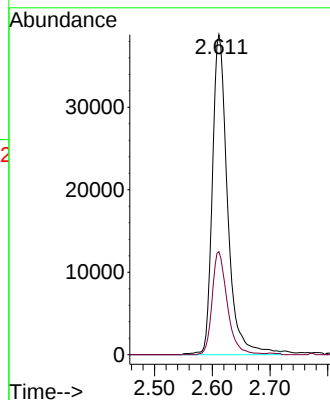
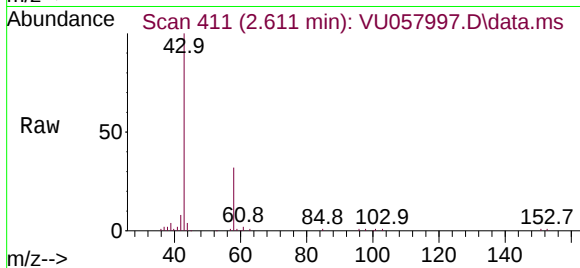
ClientSampleId :

Tgt Ion: 43 Resp: 71020

Ion Ratio Lower Upper

43 100

58 32.2 0.0 63.6



#14

Carbon disulfide

Concen: 5.187 ug/L

RT: 2.785 min Scan# 465

Delta R.T. -0.003 min

Lab File: VU057997.D

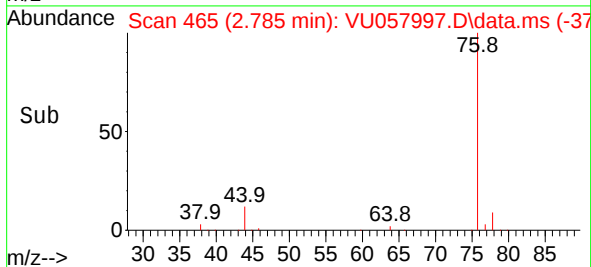
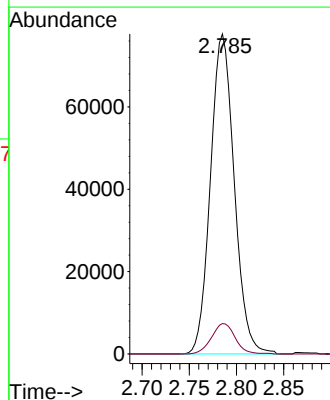
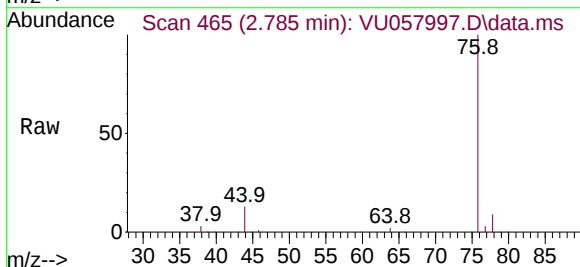
Acq: 06 Mar 2024 12:50

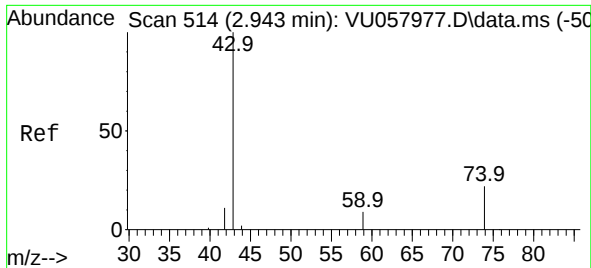
Tgt Ion: 76 Resp: 135933

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9





#15

Methyl Acetate

Concen: 5.900 ug/L

RT: 2.943 min Scan# 514

Delta R.T. -0.000 min

Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

Instrument :

MSVOA_U

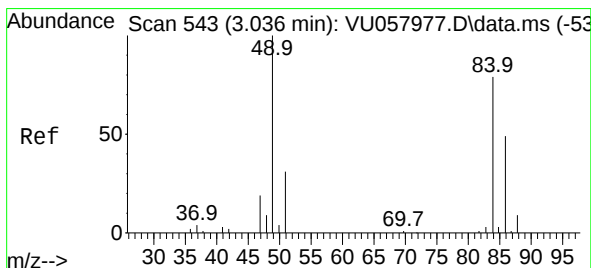
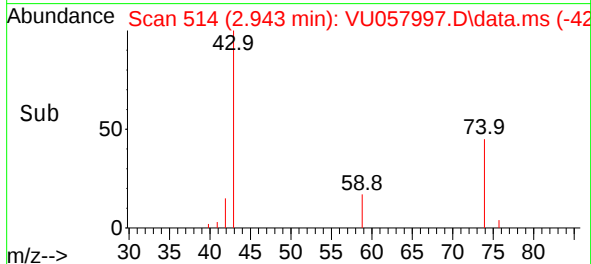
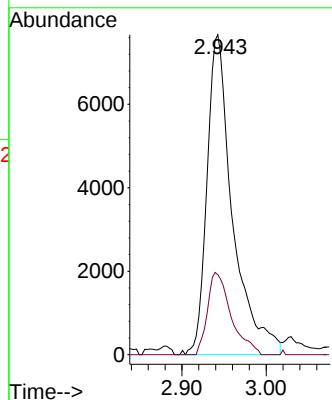
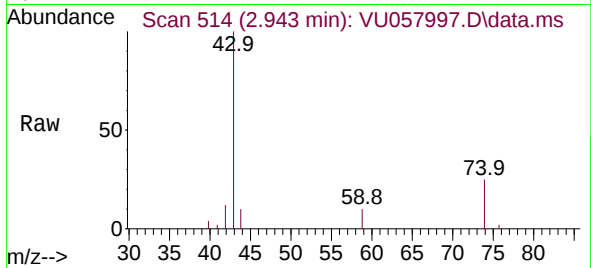
ClientSampleId :

Tgt Ion: 43 Resp: 16224

Ion Ratio Lower Upper

43 100

74 23.7 20.6 31.0



#16

Methylene chloride

Concen: 5.330 ug/L

RT: 3.036 min Scan# 543

Delta R.T. -0.000 min

Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

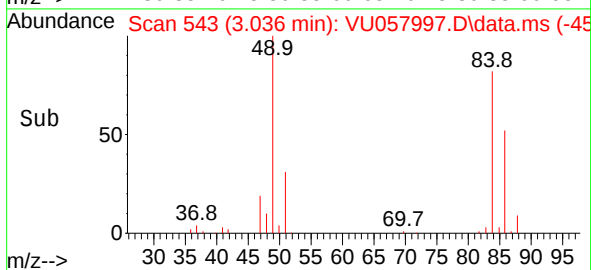
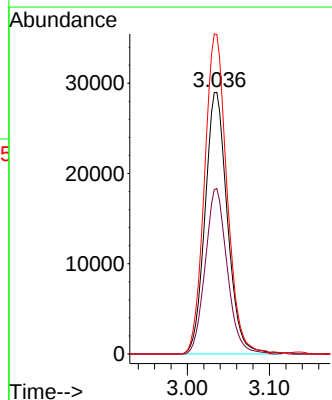
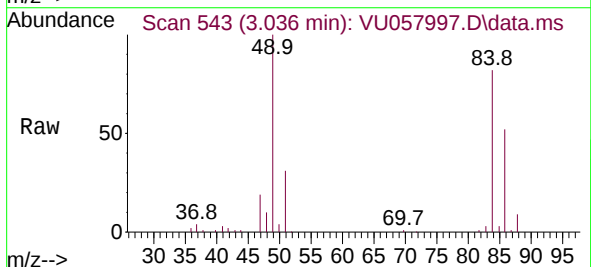
Tgt Ion: 84 Resp: 54895

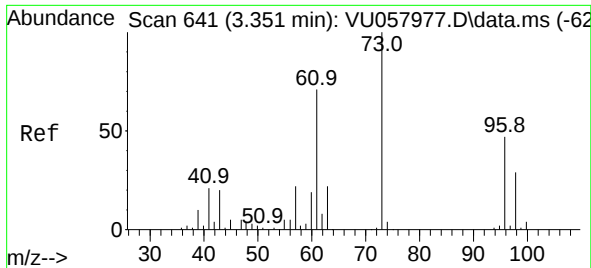
Ion Ratio Lower Upper

84 100

86 63.2 44.4 82.4

49 122.1 88.8 165.0

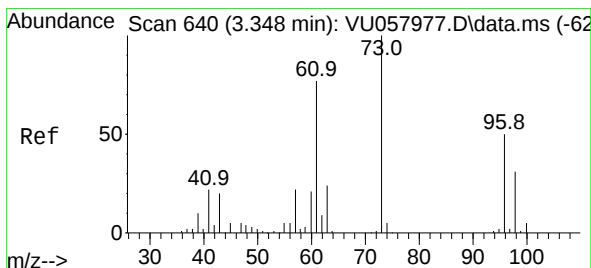
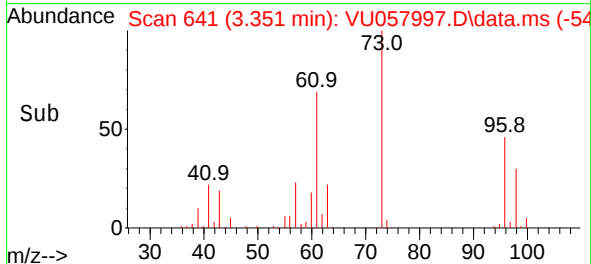
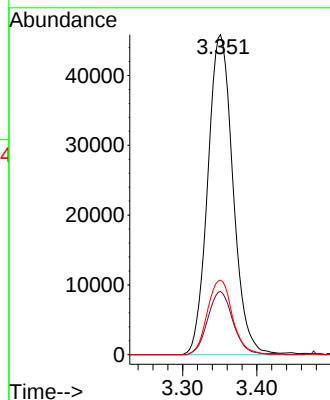
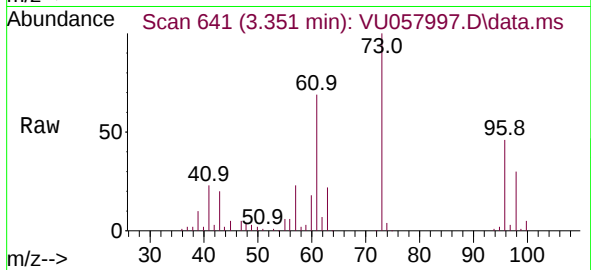




#17
Methyl tert-butyl Ether
Concen: 5.393 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.000 min
Lab File: VU057997.D
Acq: 06 Mar 2024 12:50

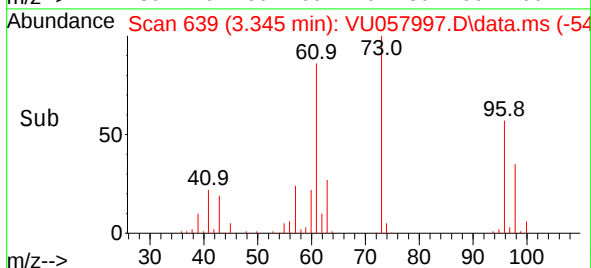
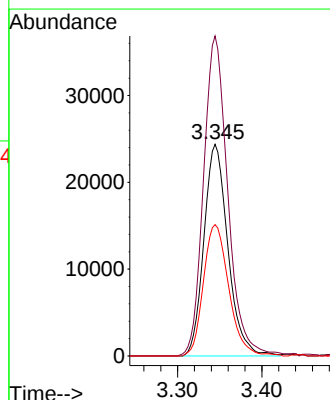
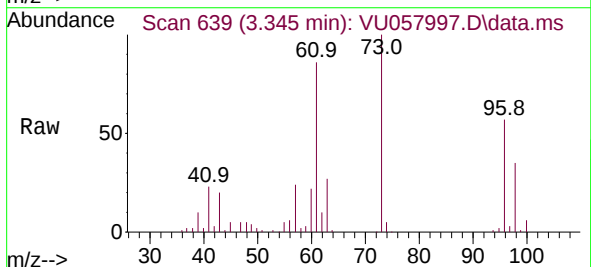
Instrument :
MSVOA_U
ClientSampleId :

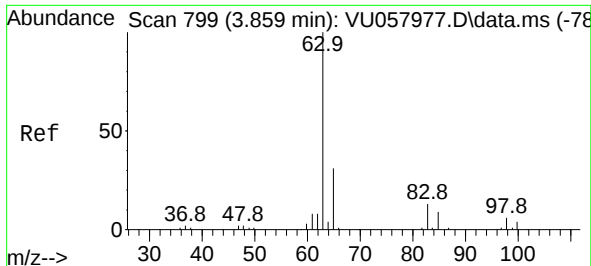
Tgt Ion: 73 Resp: 108086
Ion Ratio Lower Upper
73 100
43 19.8 16.2 24.4
57 23.2 17.9 26.9



#18
trans-1,2-Dichloroethene
Concen: 5.244 ug/L
RT: 3.345 min Scan# 639
Delta R.T. -0.003 min
Lab File: VU057997.D
Acq: 06 Mar 2024 12:50

Tgt Ion: 96 Resp: 48406
Ion Ratio Lower Upper
96 100
61 151.2 107.7 199.9
98 62.0 45.8 85.0

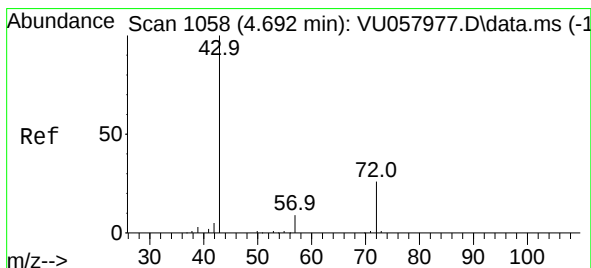
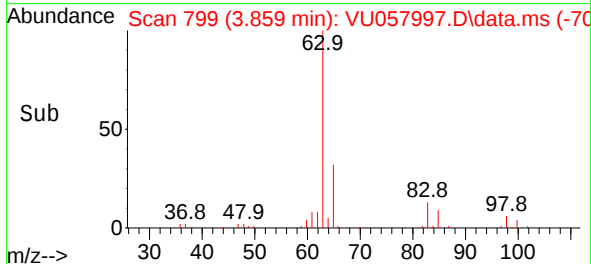
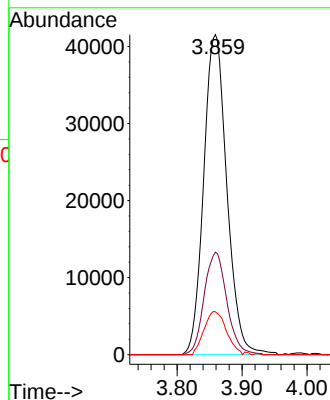
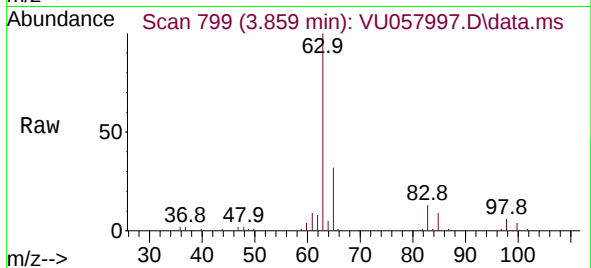




#19
1,1-Dichloroethane
Concen: 5.610 ug/L
RT: 3.859 min Scan# 799
Delta R.T. -0.000 min
Lab File: VU057997.D
Acq: 06 Mar 2024 12:50

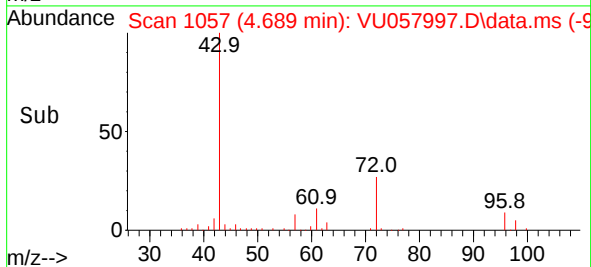
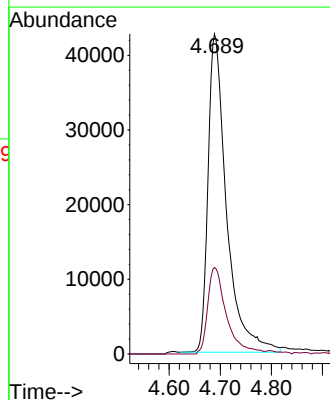
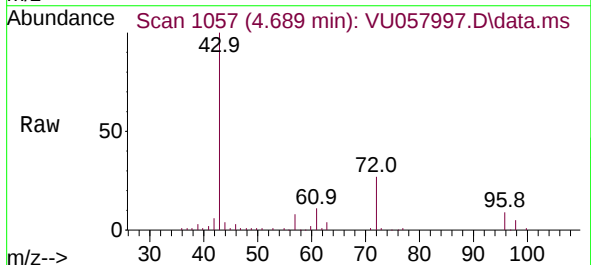
Instrument :
MSVOA_U
ClientSampleId :

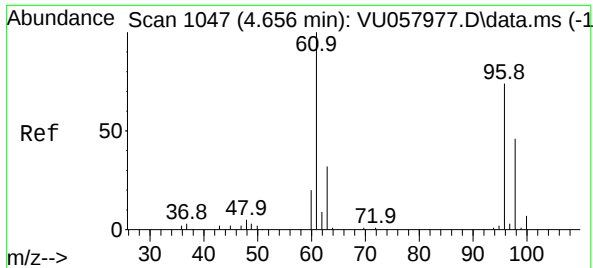
Tgt Ion: 63 Resp: 103301
Ion Ratio Lower Upper
63 100
65 32.7 22.1 41.1
83 13.4 9.0 16.6



#21
2-Butanone
Concen: 54.948 ug/L
RT: 4.689 min Scan# 1057
Delta R.T. -0.003 min
Lab File: VU057997.D
Acq: 06 Mar 2024 12:50

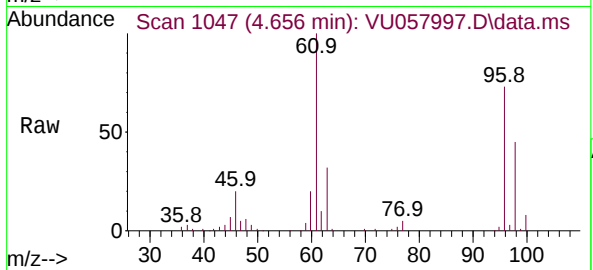
Tgt Ion: 43 Resp: 107285
Ion Ratio Lower Upper
43 100
72 27.5 13.0 39.0





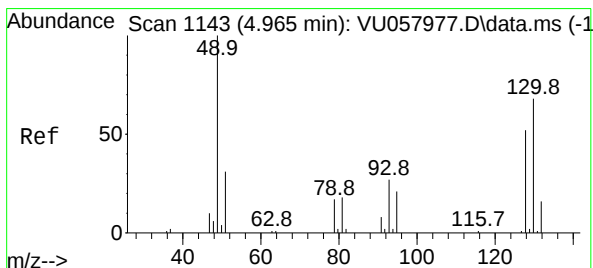
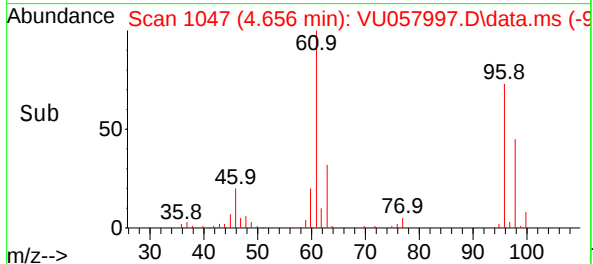
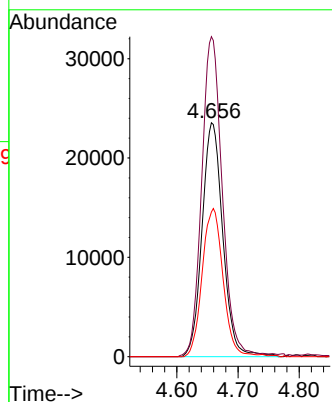
#22
 cis-1,2-Dichloroethene
 Concen: 5.481 ug/L
 RT: 4.656 min Scan# 1047
 Delta R.T. -0.000 min
 Lab File: VU057997.D
 Acq: 06 Mar 2024 12:50

Instrument :
 MSVOA_U
 ClientSampleId :



Tgt Ion: 96 Resp: 55655

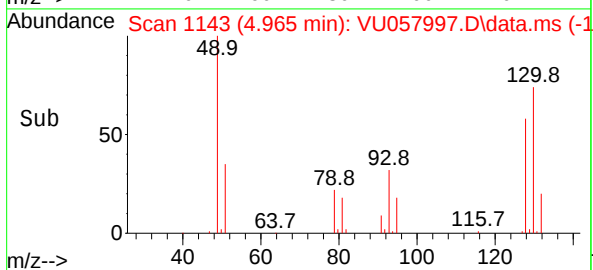
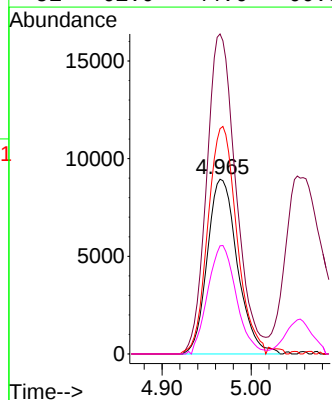
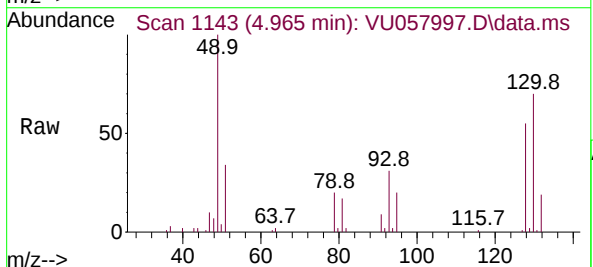
Ion	Ratio	Lower	Upper
96	100		
61	136.8	97.2	180.4
98	61.8	45.5	84.5

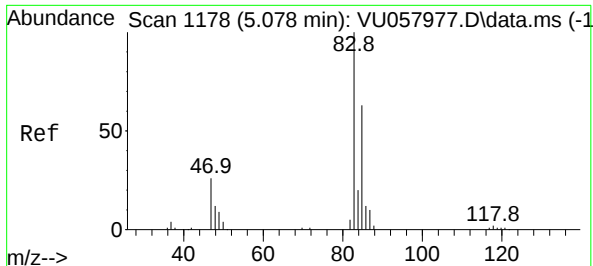


#23
 Bromochloromethane
 Concen: 5.559 ug/L
 RT: 4.965 min Scan# 1143
 Delta R.T. -0.000 min
 Lab File: VU057997.D
 Acq: 06 Mar 2024 12:50

Tgt Ion: 128 Resp: 20959

Ion	Ratio	Lower	Upper
128	100		
49	191.1	122.0	226.6
130	128.9	86.6	160.8
51	61.9	44.6	66.8





#25

Chloroform

Concen: 5.538 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

Instrument :

MSVOA_U

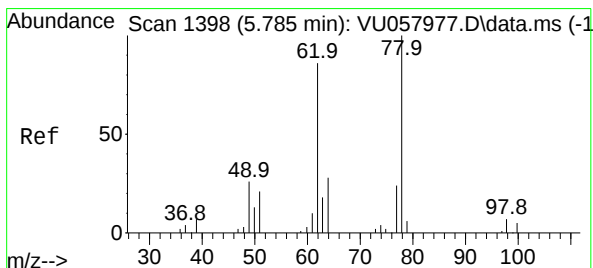
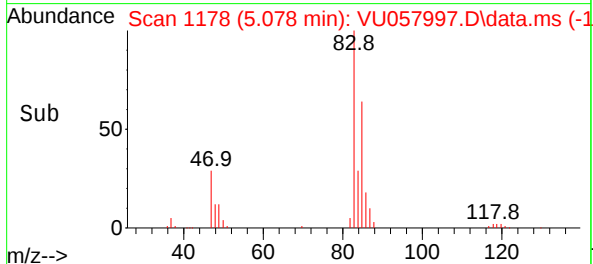
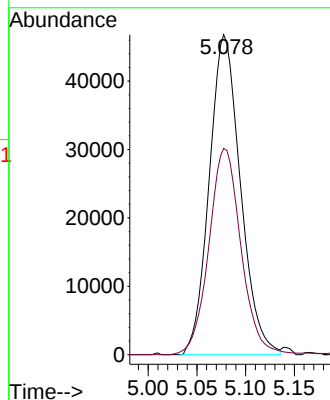
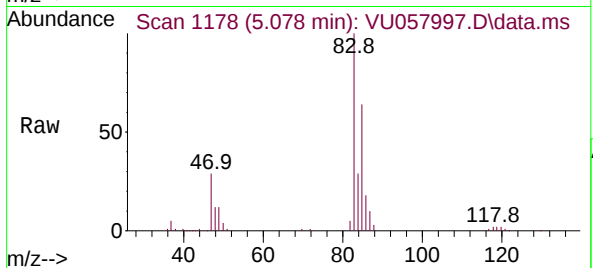
ClientSampleId :

Tgt Ion: 83 Resp: 104111

Ion Ratio Lower Upper

83 100

85 64.4 45.4 84.4



#27

1,2-Dichloroethane

Concen: 5.620 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.003 min

Lab File: VU057997.D

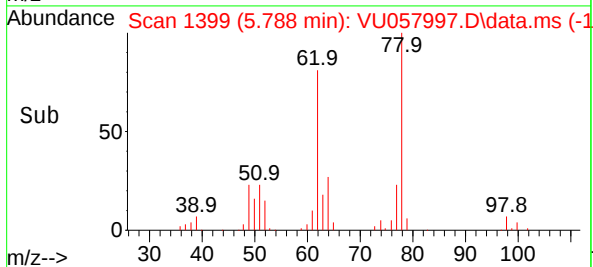
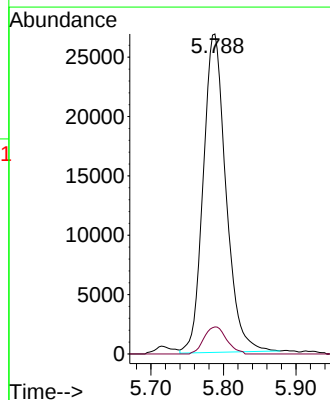
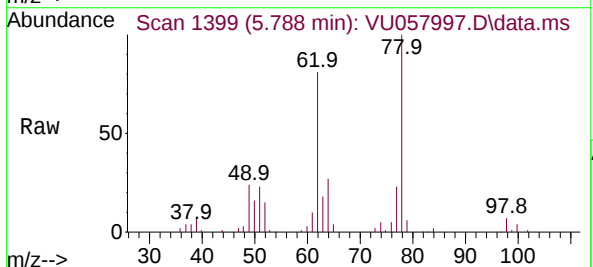
Acq: 06 Mar 2024 12:50

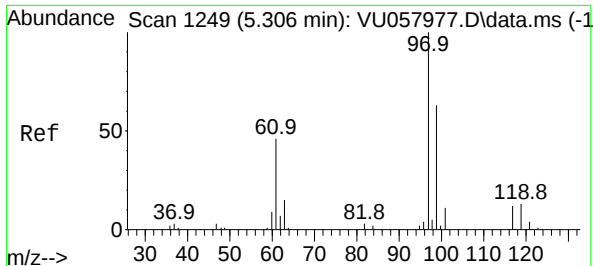
Tgt Ion: 62 Resp: 58486

Ion Ratio Lower Upper

62 100

98 8.4 7.0 10.4

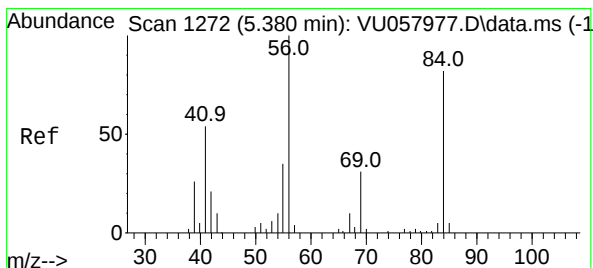
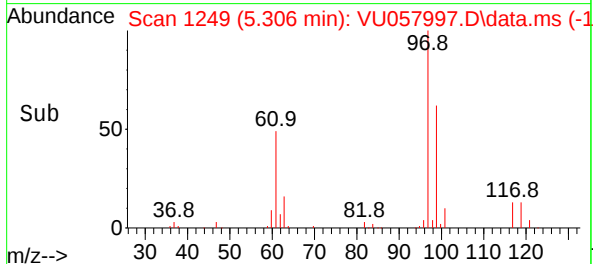
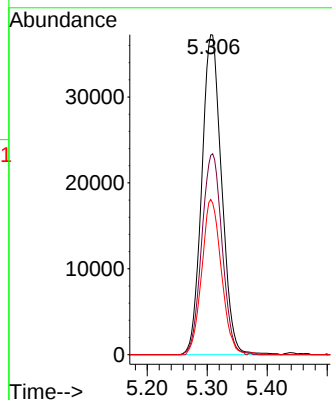
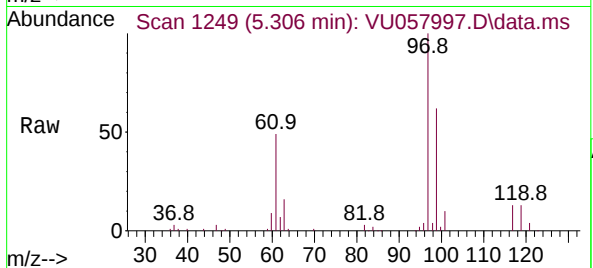




#29
1,1,1-Trichloroethane
Concen: 5.461 ug/L
RT: 5.306 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VU057997.D
Acq: 06 Mar 2024 12:50

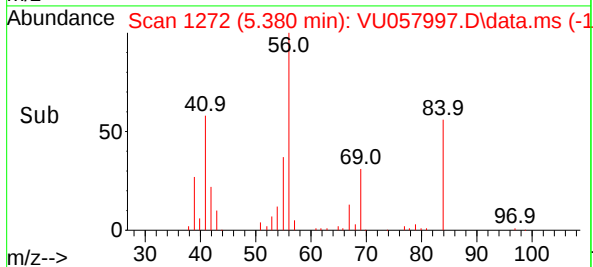
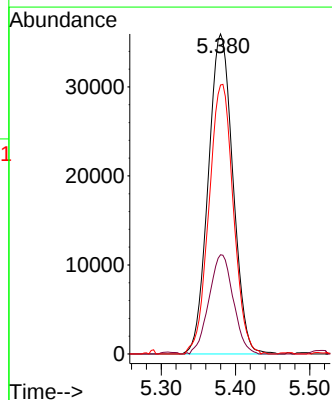
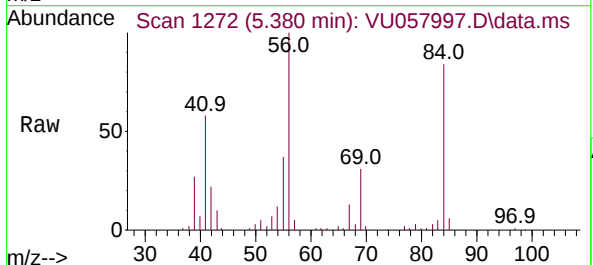
Instrument :
MSVOA_U
ClientSampleId :

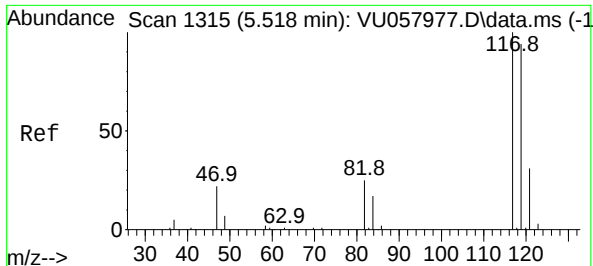
Tgt Ion:	97	Resp:	85944
Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.2	76.8
61	47.5	37.4	56.2



#30
Cyclohexane
Concen: 5.216 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. -0.000 min
Lab File: VU057997.D
Acq: 06 Mar 2024 12:50

Tgt Ion:	56	Resp:	82897
Ion	Ratio	Lower	Upper
56	100		
69	30.6	24.2	36.2
84	83.3	66.6	99.8

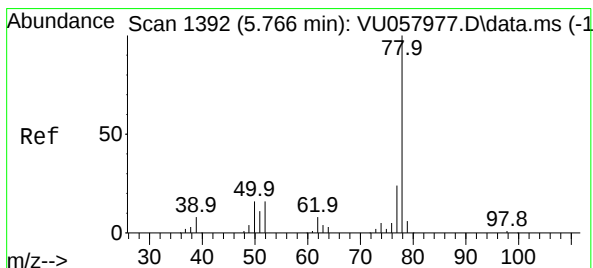
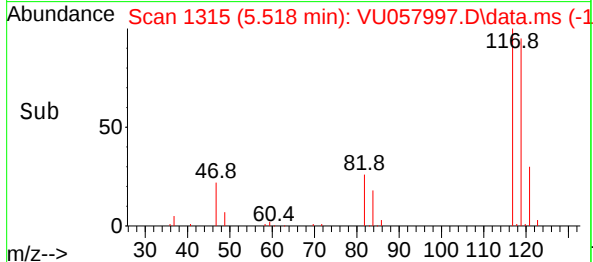
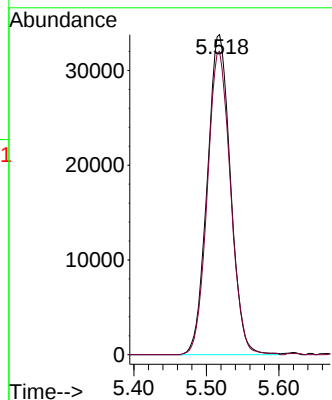
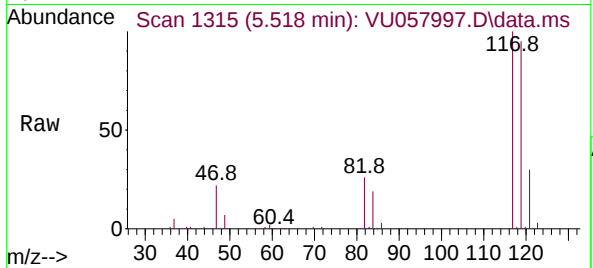




#31
Carbon tetrachloride
Concen: 5.501 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU057997.D
Acq: 06 Mar 2024 12:50

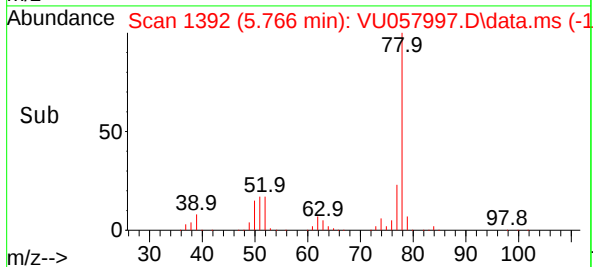
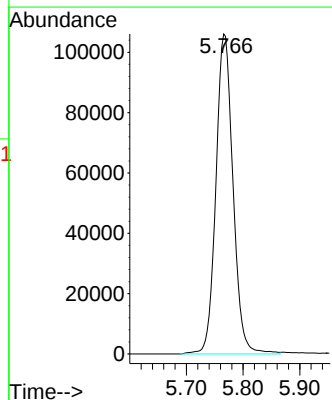
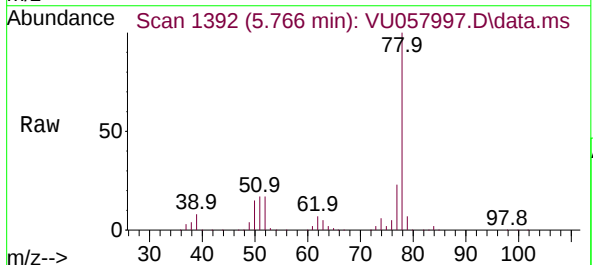
Instrument :
MSVOA_U
ClientSampleId :

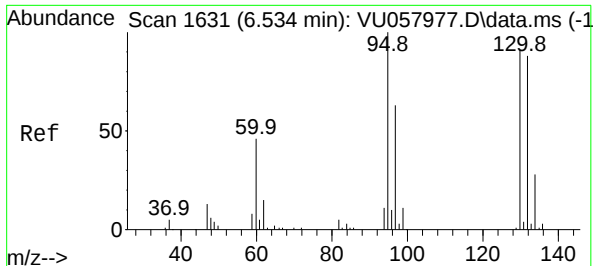
Tgt Ion:117 Resp: 75234
Ion Ratio Lower Upper
117 100
119 94.2 75.8 113.8



#33
Benzene
Concen: 5.484 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.000 min
Lab File: VU057997.D
Acq: 06 Mar 2024 12:50

Tgt Ion: 78 Resp: 222507





#34

Trichloroethene

Concen: 5.358 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 57207

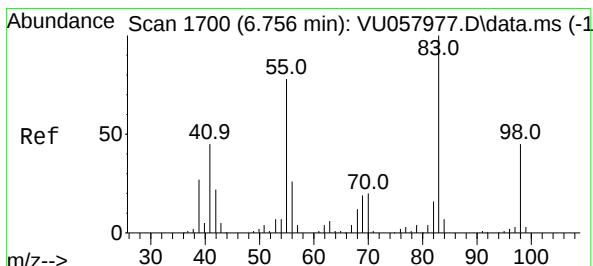
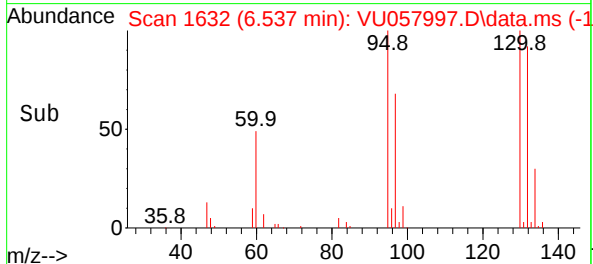
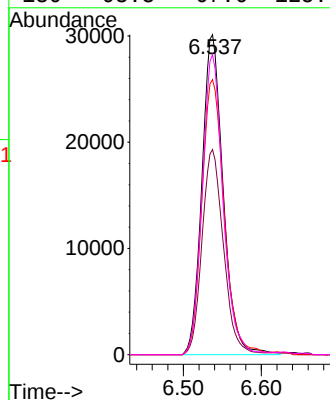
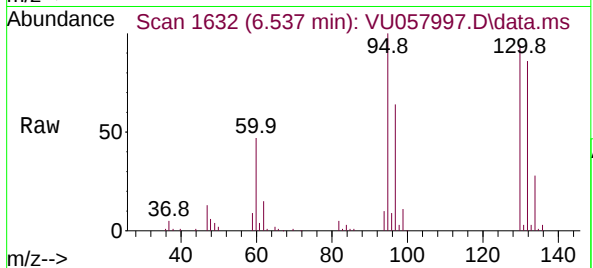
Ion Ratio Lower Upper

95 100

97 64.1 45.3 84.1

132 86.0 63.1 117.1

130 93.8 67.6 125.6



#35

Methylcyclohexane

Concen: 5.206 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

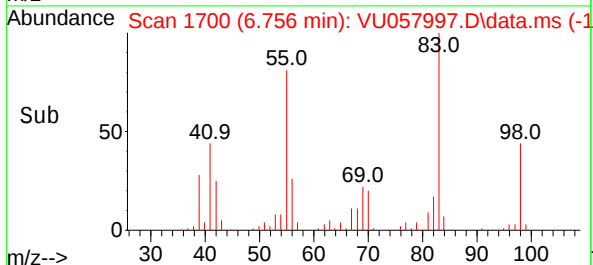
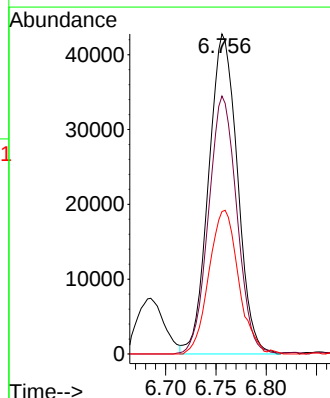
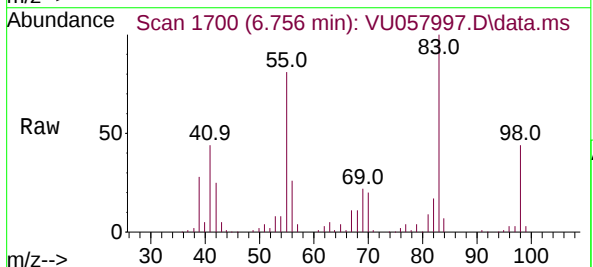
Tgt Ion: 83 Resp: 85194

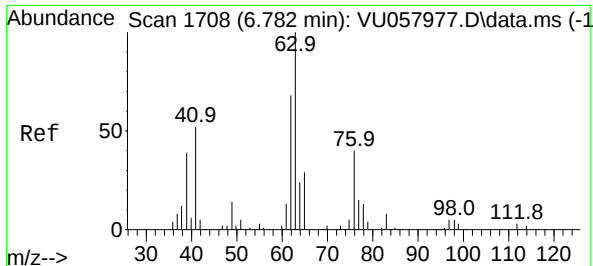
Ion Ratio Lower Upper

83 100

55 79.3 63.0 94.6

98 46.0 36.2 54.4

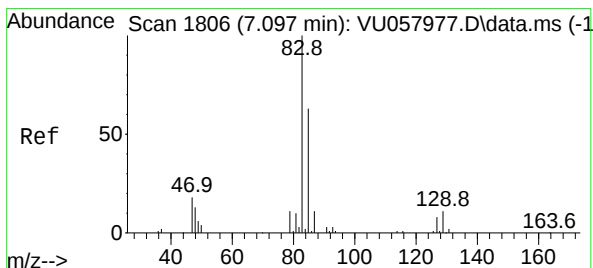
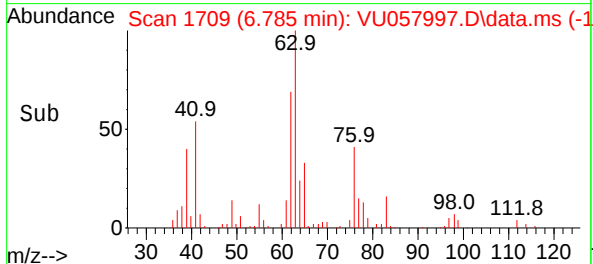
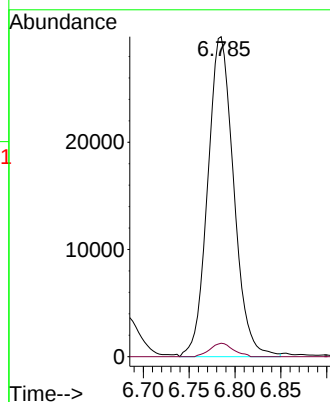
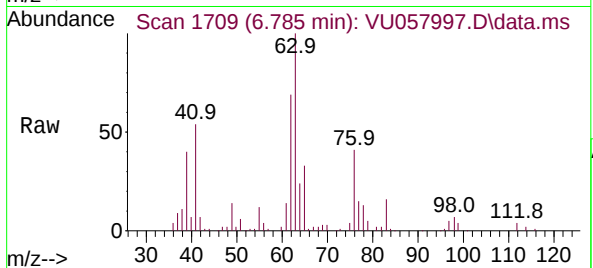




#37
1,2-Dichloropropane
Concen: 5.633 ug/L
RT: 6.785 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU057997.D
Acq: 06 Mar 2024 12:50

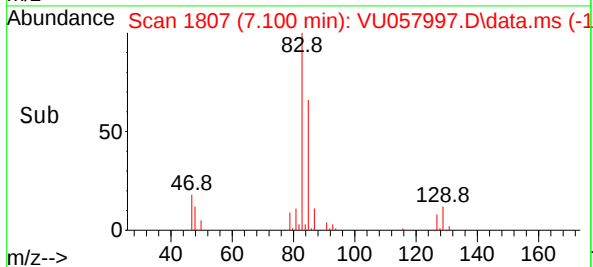
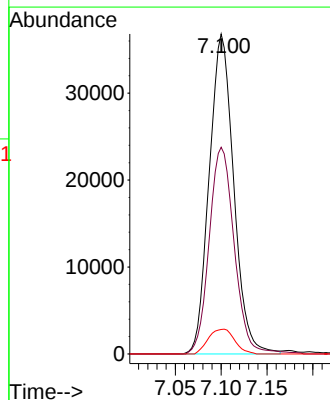
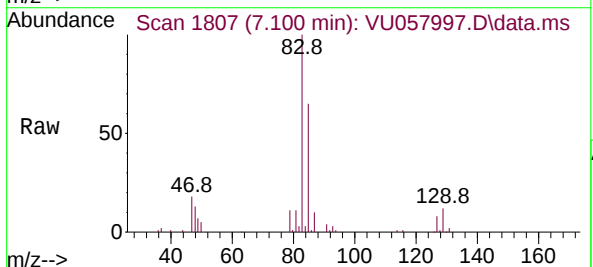
Instrument :
MSVOA_U
ClientSampleId :

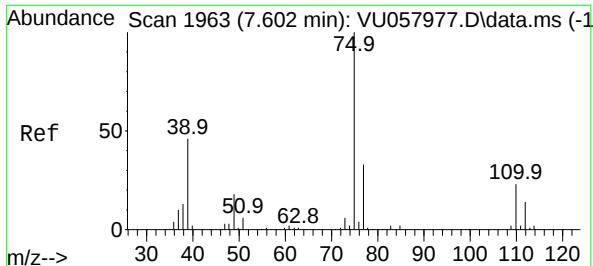
Tgt Ion: 63 Resp: 58941
Ion Ratio Lower Upper
63 100
112 3.8 3.0 4.4



#38
Bromodichloromethane
Concen: 5.391 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. 0.003 min
Lab File: VU057997.D
Acq: 06 Mar 2024 12:50

Tgt Ion: 83 Resp: 68431
Ion Ratio Lower Upper
83 100
85 64.6 44.5 82.7
127 7.6 6.6 9.8

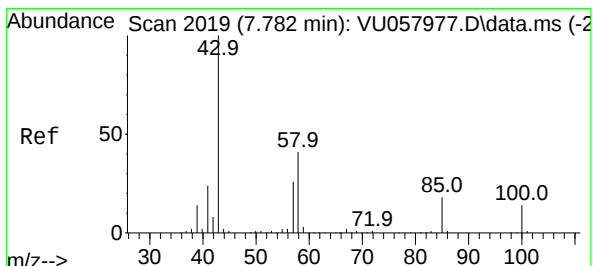
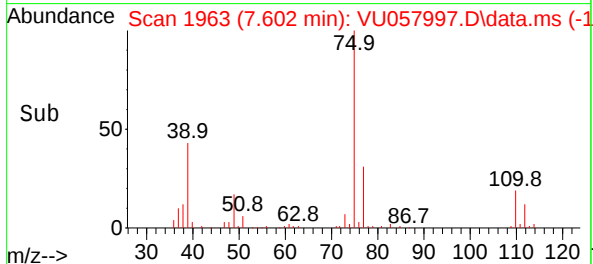
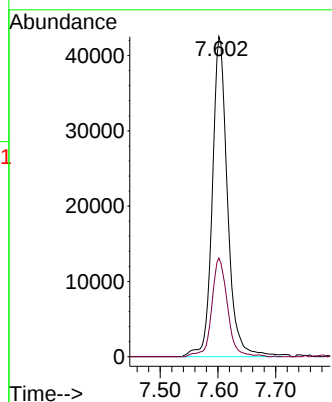
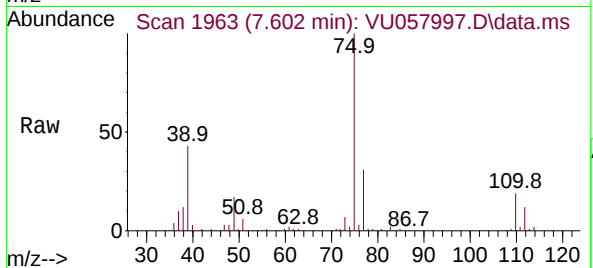




#39
cis-1,3-Dichloropropene
Concen: 5.417 ug/L
RT: 7.602 min Scan# 1963
Delta R.T. -0.000 min
Lab File: VU057997.D
Acq: 06 Mar 2024 12:50

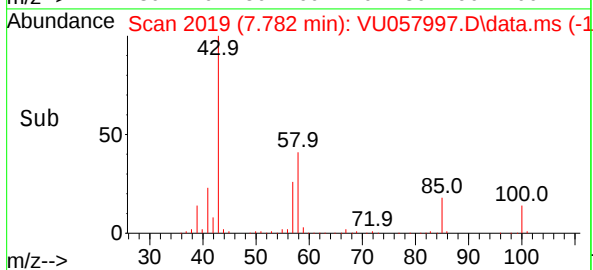
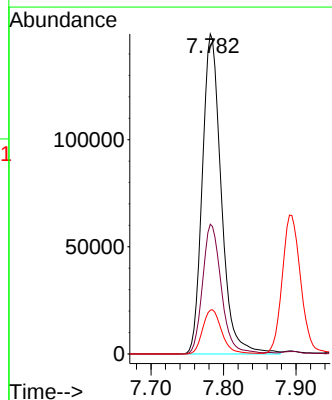
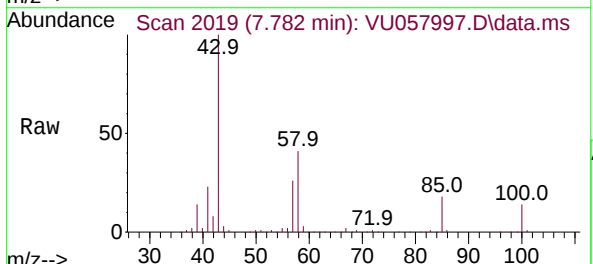
Instrument :
MSVOA_U
ClientSampleId :

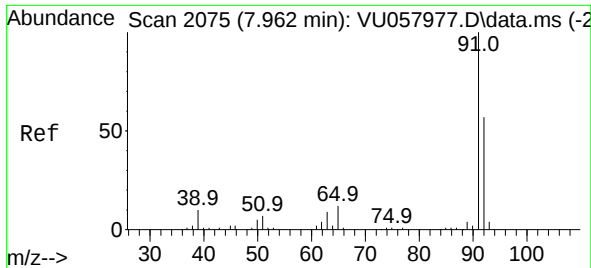
Tgt Ion: 75 Resp: 78089
Ion Ratio Lower Upper
75 100
77 30.8 22.3 41.5



#40
4-Methyl-2-pentanone
Concen: 56.405 ug/L
RT: 7.782 min Scan# 2019
Delta R.T. -0.000 min
Lab File: VU057997.D
Acq: 06 Mar 2024 12:50

Tgt Ion: 43 Resp: 271497
Ion Ratio Lower Upper
43 100
58 40.1 31.7 47.5
100 13.9 11.3 16.9





#42

Toluene

Concen: 5.444 ug/L

RT: 7.965 min Scan# 2075

Delta R.T. 0.003 min

Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

Instrument :

MSVOA_U

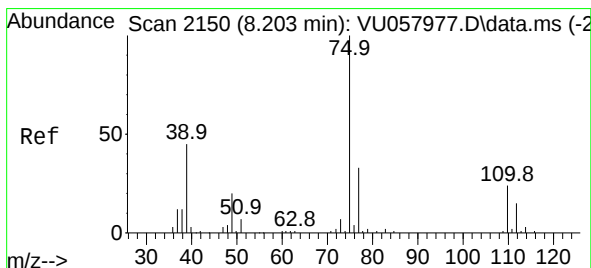
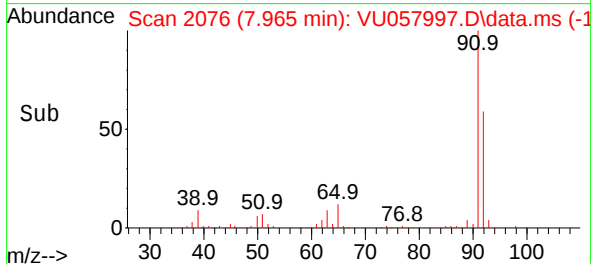
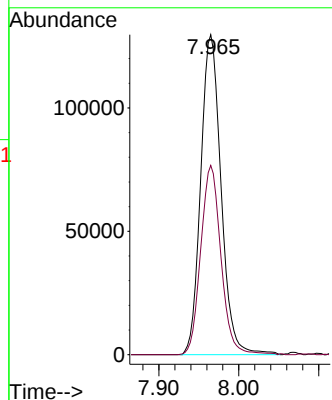
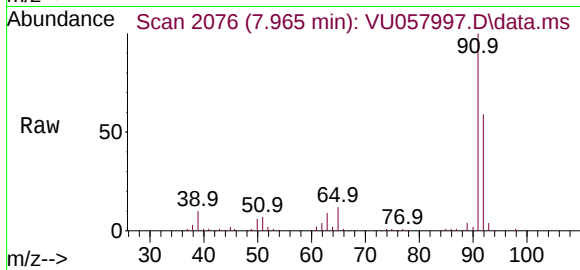
ClientSampleId :

Tgt Ion: 91 Resp: 230066

Ion Ratio Lower Upper

91 100

92 59.2 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 5.354 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.003 min

Lab File: VU057997.D

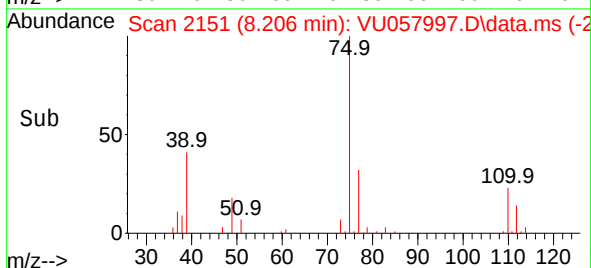
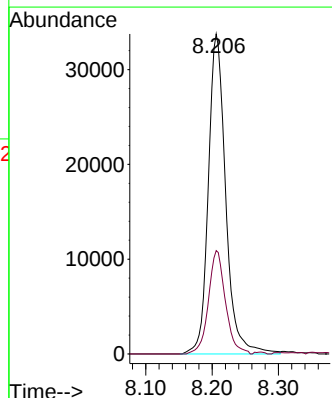
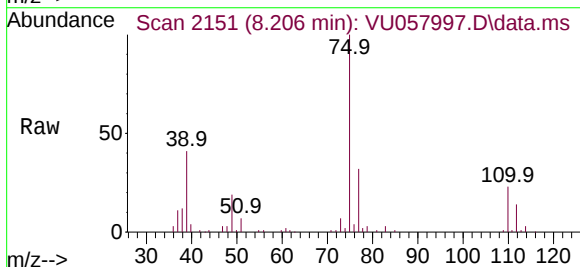
Acq: 06 Mar 2024 12:50

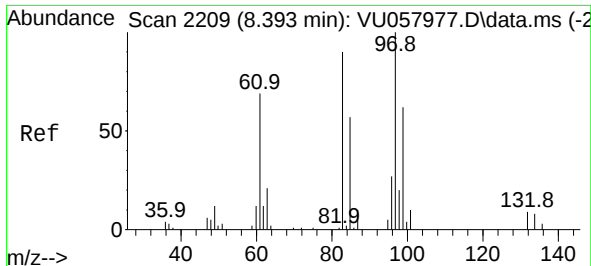
Tgt Ion: 75 Resp: 61504

Ion Ratio Lower Upper

75 100

77 32.3 23.1 42.9





#45

1,1,2-Trichloroethane

Concen: 5.611 ug/L

RT: 8.396 min Scan# 2209

Delta R.T. 0.003 min

Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 34814

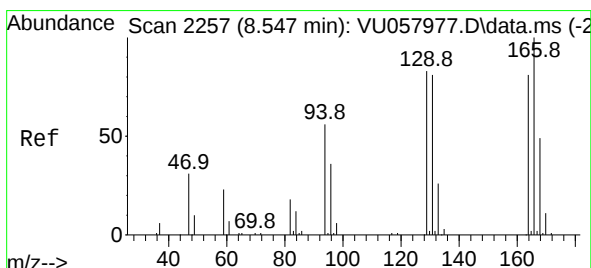
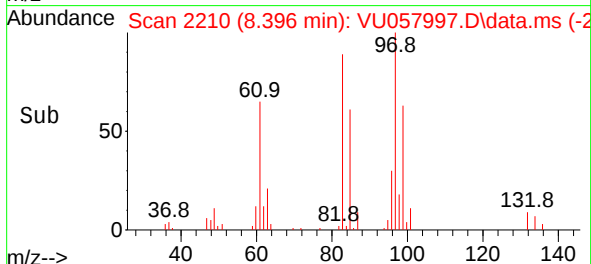
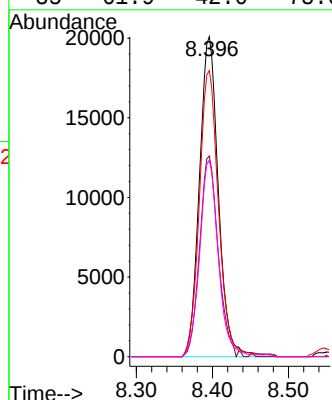
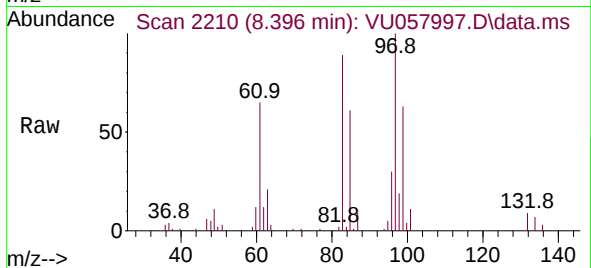
Ion Ratio Lower Upper

97 100

99 62.7 44.2 82.2

83 89.4 64.2 119.2

85 61.9 42.0 78.0



#47

Tetrachloroethene

Concen: 5.395 ug/L

RT: 8.550 min Scan# 2258

Delta R.T. 0.003 min

Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

Tgt Ion:164 Resp: 39959

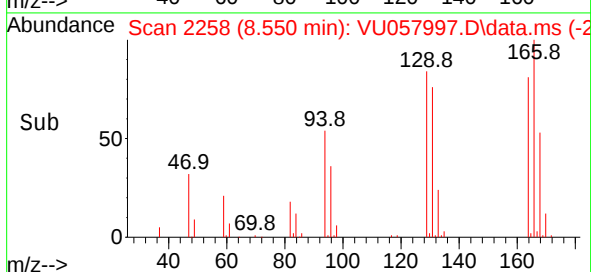
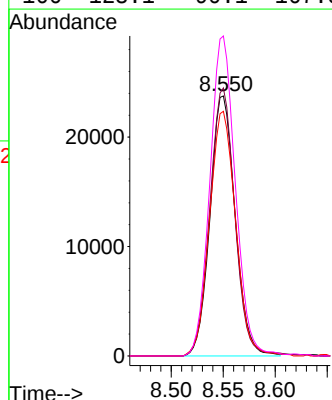
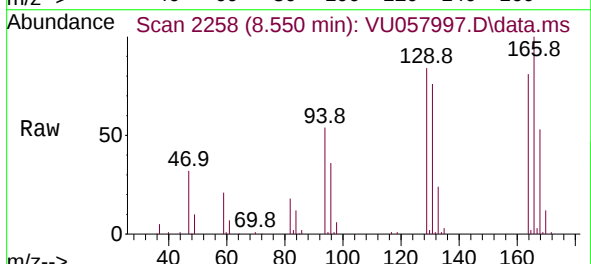
Ion Ratio Lower Upper

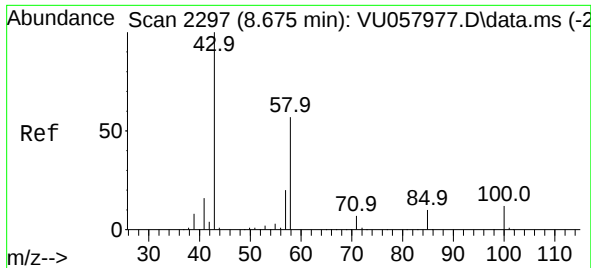
164 100

129 103.1 69.3 128.7

131 94.1 69.9 129.9

166 123.1 90.1 167.3

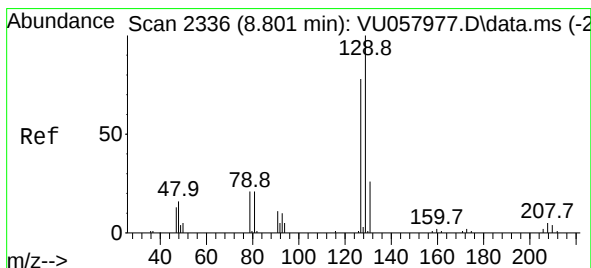
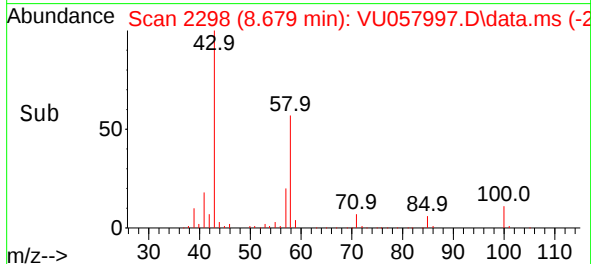
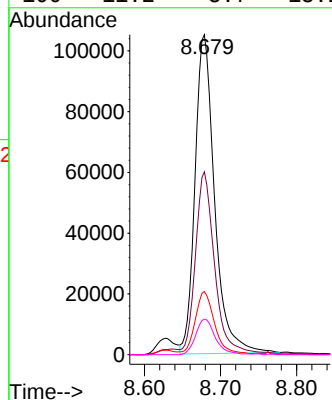
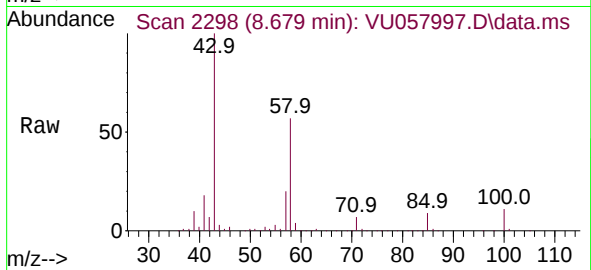




#48
2-Hexanone
Concen: 53.453 ug/L
RT: 8.679 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU057997.D
Acq: 06 Mar 2024 12:50

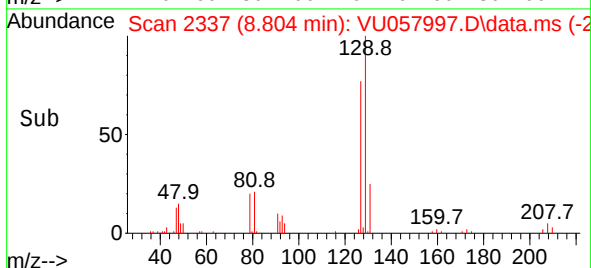
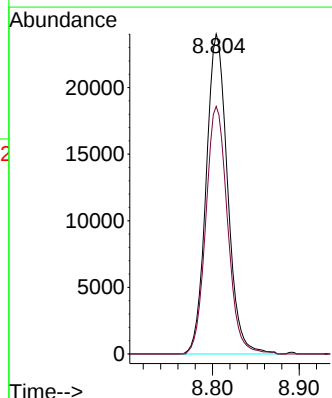
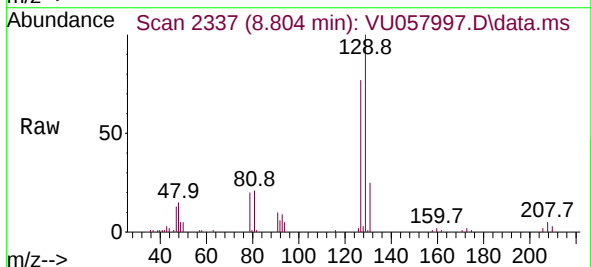
Instrument :
MSVOA_U
ClientSampleId :

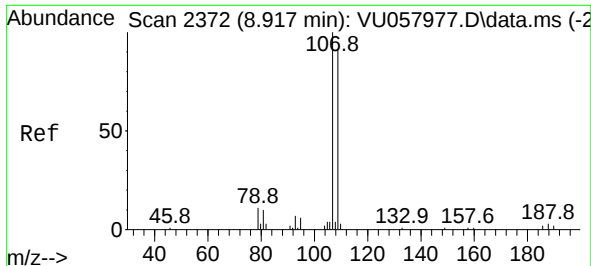
Tgt Ion: 43 Resp: 188682
Ion Ratio Lower Upper
43 100
58 55.3 43.3 64.9
57 19.0 15.2 22.8
100 11.2 8.7 13.1



#49
Dibromochloromethane
Concen: 5.609 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.003 min
Lab File: VU057997.D
Acq: 06 Mar 2024 12:50

Tgt Ion: 129 Resp: 41192
Ion Ratio Lower Upper
129 100
127 77.4 55.2 102.6

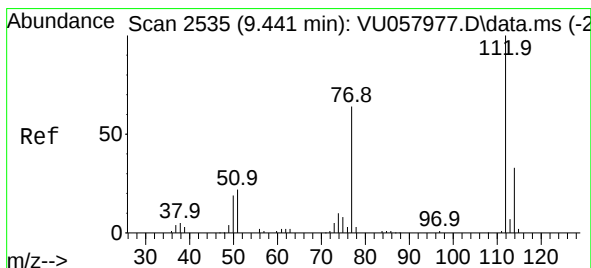
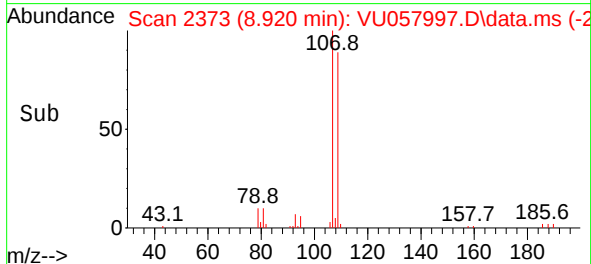
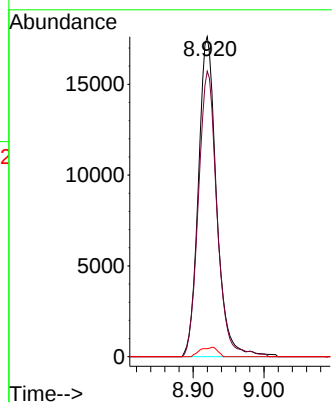
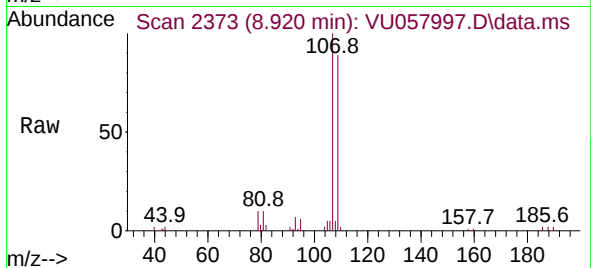




#50
1,2-Dibromoethane
Concen: 5.705 ug/L
RT: 8.920 min Scan# 2373
Delta R.T. 0.003 min
Lab File: VU057997.D
Acq: 06 Mar 2024 12:50

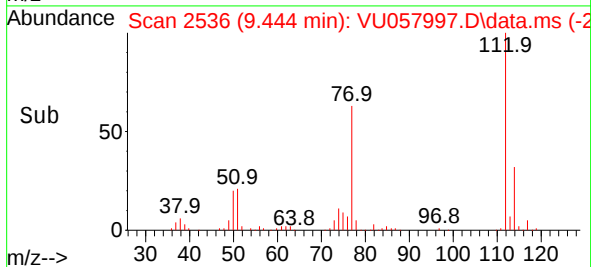
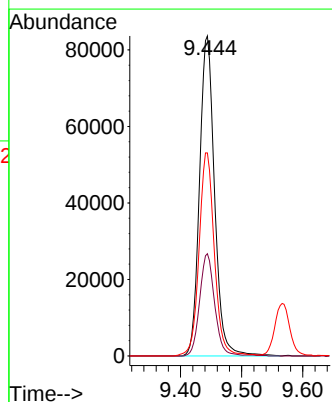
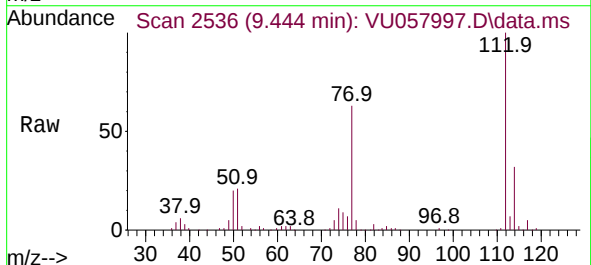
Instrument :
MSVOA_U
ClientSampleId :

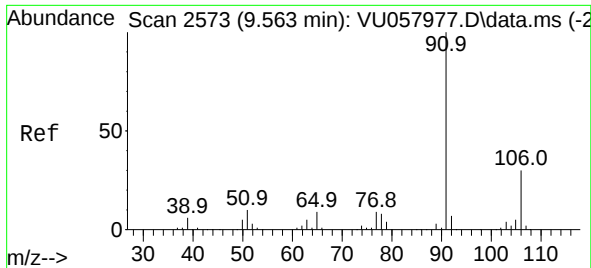
Tgt Ion:107 Resp: 31411
Ion Ratio Lower Upper
107 100
109 89.2 67.8 125.8
188 2.5 2.4 3.6



#51
Chlorobenzene
Concen: 5.401 ug/L
RT: 9.444 min Scan# 2536
Delta R.T. 0.003 min
Lab File: VU057997.D
Acq: 06 Mar 2024 12:50

Tgt Ion:112 Resp: 143138
Ion Ratio Lower Upper
112 100
114 32.0 22.7 42.1
77 63.4 52.3 78.5





#52

Ethylbenzene

Concen: 5.417 ug/L

RT: 9.566 min Scan# 2573

Delta R.T. 0.003 min

Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

Instrument :

MSVOA_U

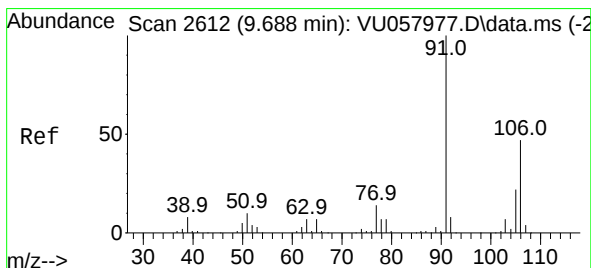
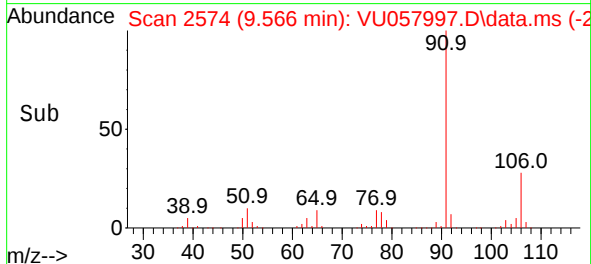
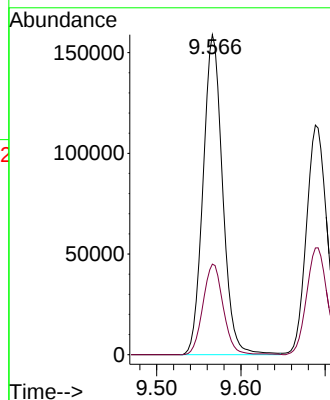
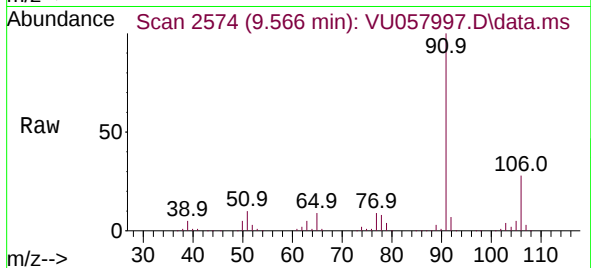
ClientSampleId :

Tgt Ion: 91 Resp: 256177

Ion Ratio Lower Upper

91 100

106 28.3 20.9 38.7



#53

m,p-Xylene

Concen: 5.415 ug/L

RT: 9.692 min Scan# 2613

Delta R.T. 0.003 min

Lab File: VU057997.D

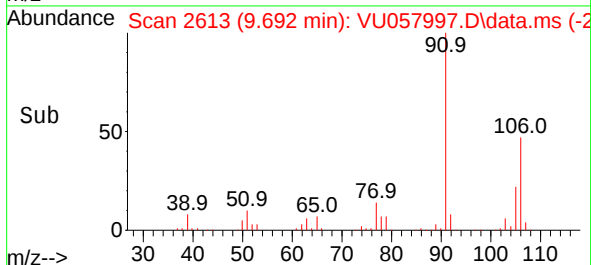
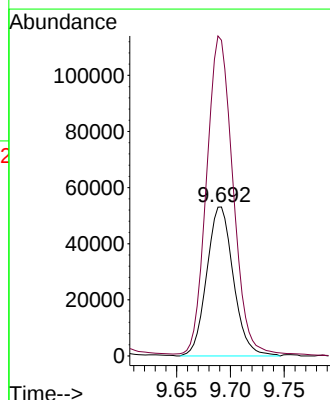
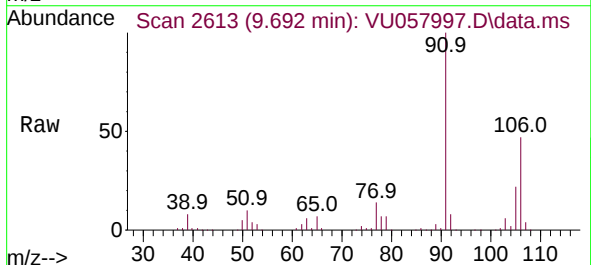
Acq: 06 Mar 2024 12:50

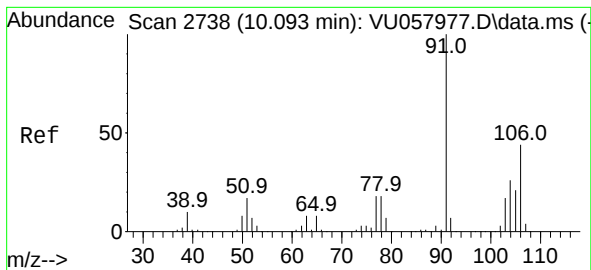
Tgt Ion:106 Resp: 91492

Ion Ratio Lower Upper

106 100

91 212.0 148.8 276.4





#54

o-Xylene

Concen: 5.405 ug/L

RT: 10.097 min Scan# 2738

Delta R.T. 0.003 min

Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

Instrument :

MSVOA_U

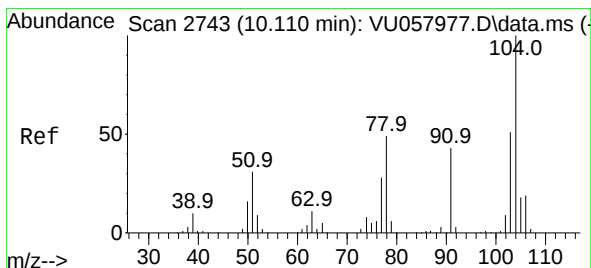
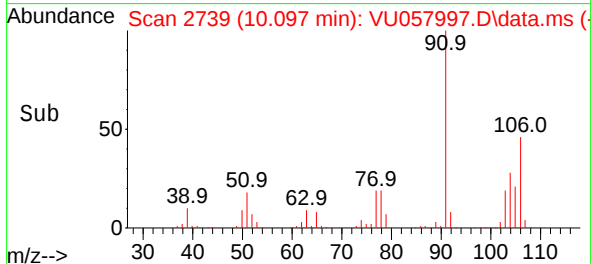
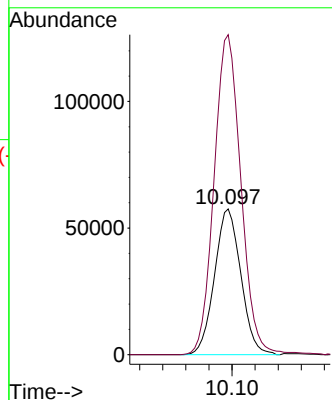
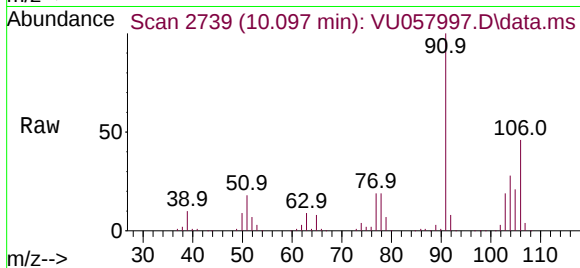
ClientSampleId :

Tgt Ion:106 Resp: 91021

Ion Ratio Lower Upper

106 100

91 219.6 158.3 294.1



#55

Styrene

Concen: 5.564 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU057997.D

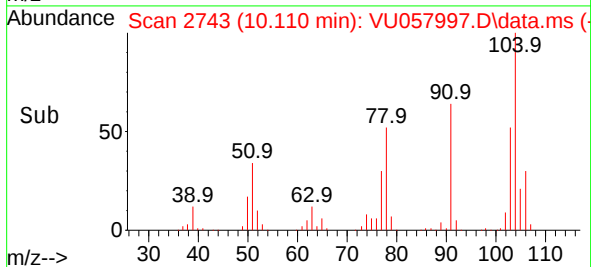
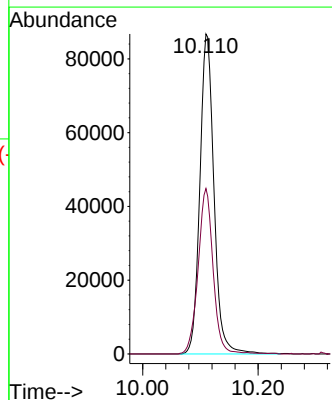
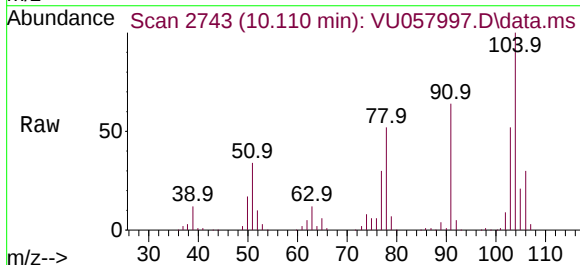
Acq: 06 Mar 2024 12:50

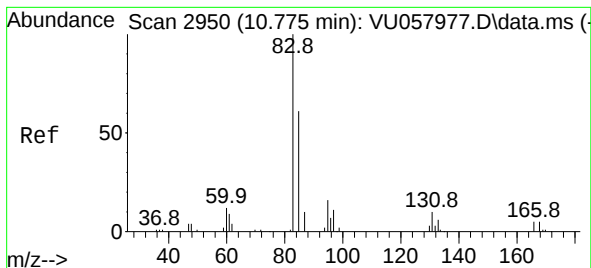
Tgt Ion:104 Resp: 147045

Ion Ratio Lower Upper

104 100

78 51.7 34.2 63.4





#57

1,1,2,2-Tetrachloroethane

Concen: 5.914 ug/L

RT: 10.778 min Scan# 2950

Delta R.T. 0.003 min

Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

Instrument :

MSVOA_U

ClientSampleId :

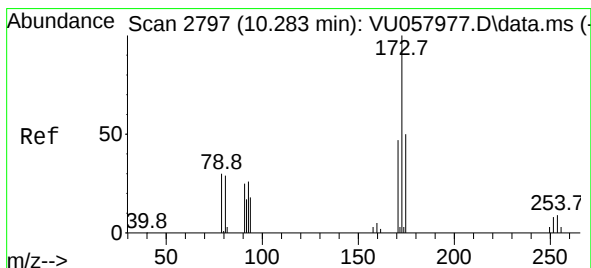
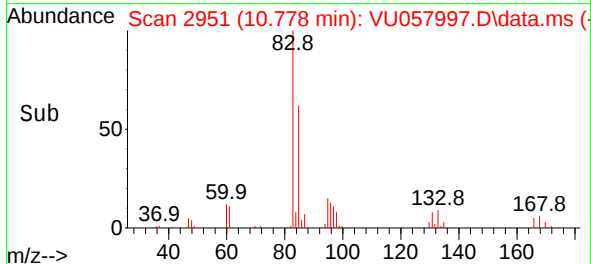
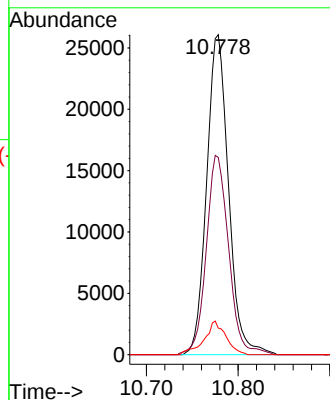
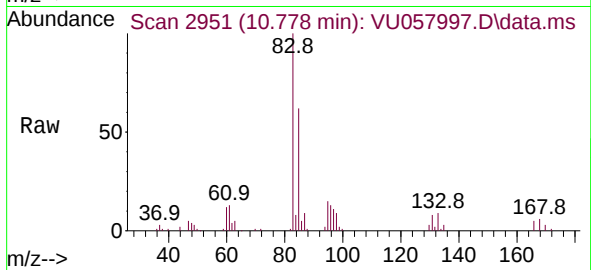
Tgt Ion: 83 Resp: 43221

Ion Ratio Lower Upper

83 100

85 61.6 44.0 81.6

131 8.3 6.9 10.3



#59

Bromoform

Concen: 5.896 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. 0.003 min

Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

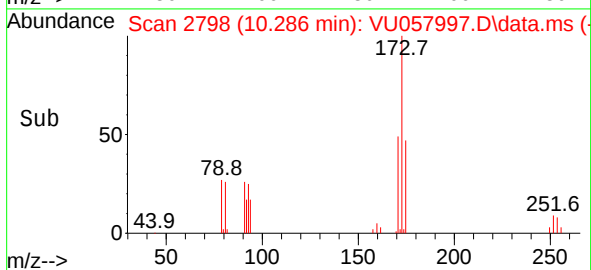
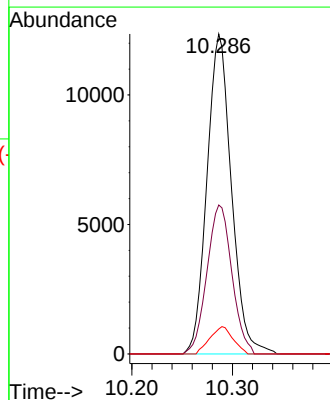
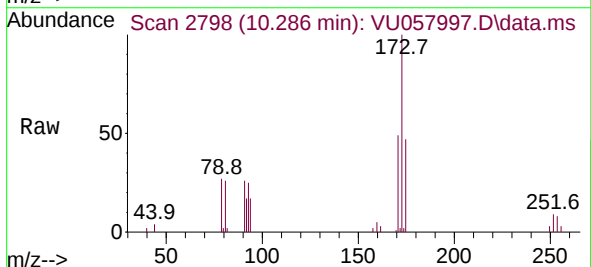
Tgt Ion:173 Resp: 20856

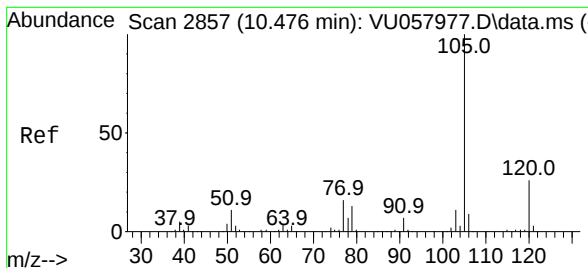
Ion Ratio Lower Upper

173 100

175 47.5 38.6 57.8

254 8.1 7.3 10.9





#60

Isopropylbenzene

Concen: 5.549 ug/L

RT: 10.479 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

Instrument :

MSVOA_U

ClientSampleId :

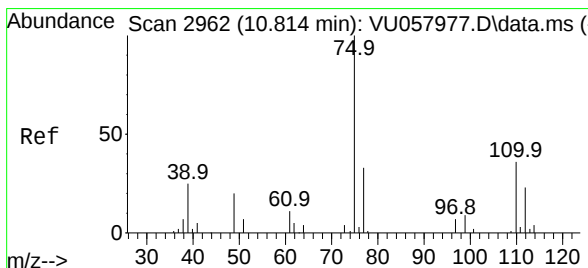
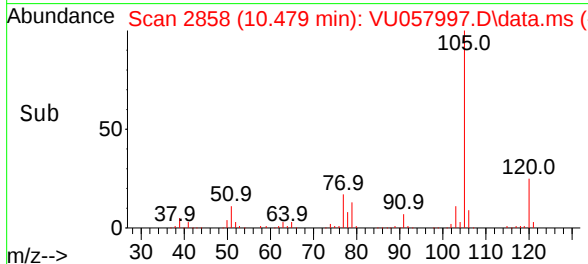
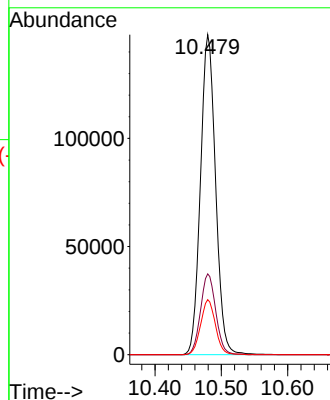
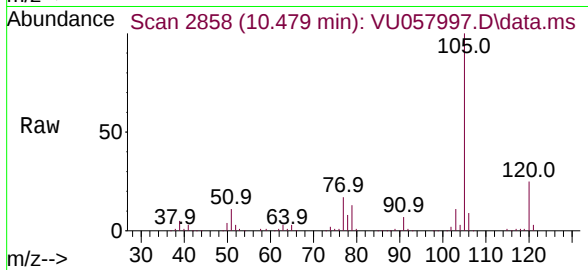
Tgt Ion:105 Resp: 234391

Ion Ratio Lower Upper

105 100

120 25.4 20.4 30.6

77 16.8 13.2 19.8



#61

1,2,3-Trichloropropane

Concen: 5.683 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.003 min

Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

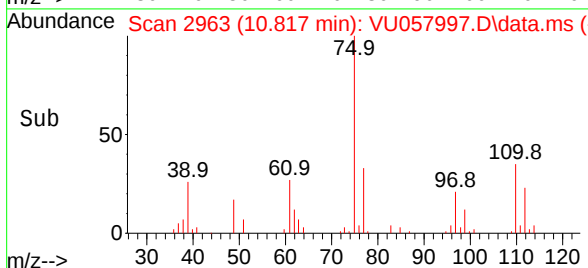
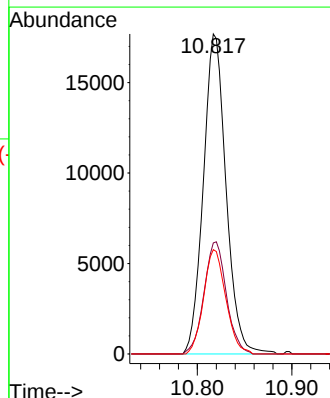
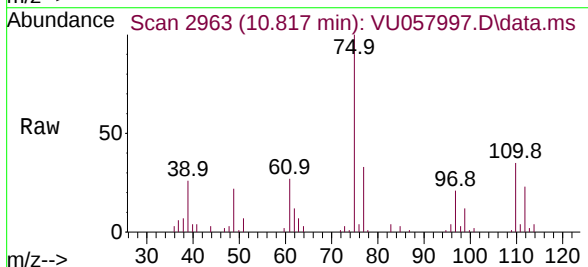
Tgt Ion: 75 Resp: 29524

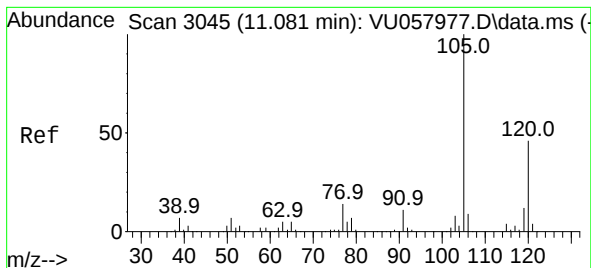
Ion Ratio Lower Upper

75 100

110 34.6 28.0 42.0

77 31.8 24.7 37.1





#62

1,3,5-Trimethylbenzene

Concen: 5.454 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

Instrument :

MSVOA_U

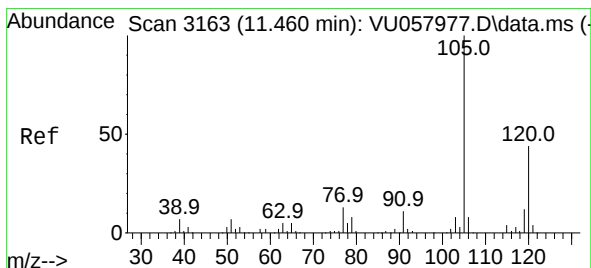
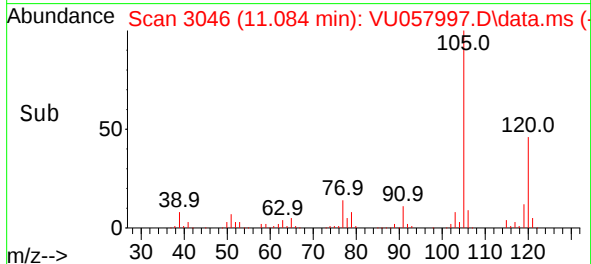
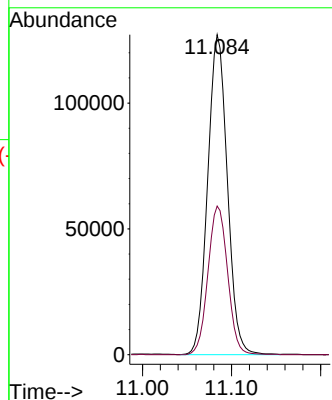
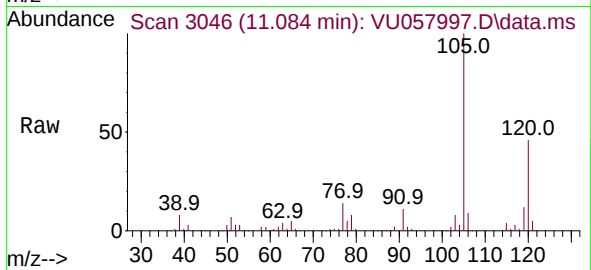
ClientSampleId :

Tgt Ion:105 Resp: 194300

Ion Ratio Lower Upper

105 100

120 46.5 37.1 55.7



#63

1,2,4-Trimethylbenzene

Concen: 5.610 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.003 min

Lab File: VU057997.D

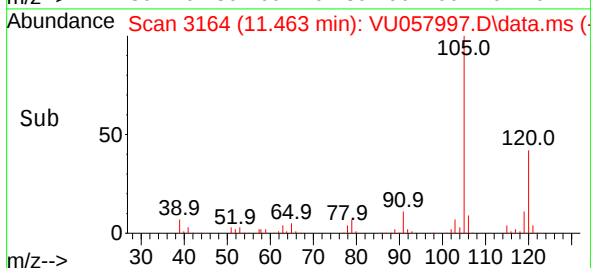
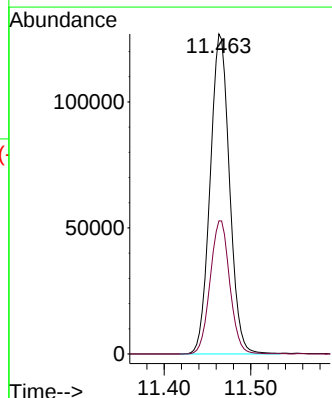
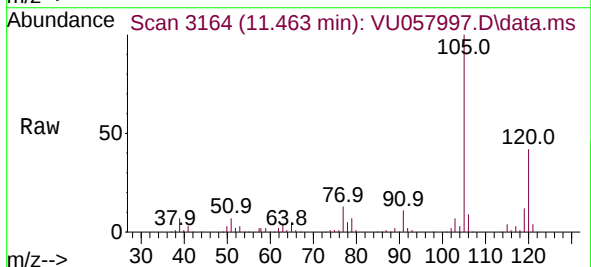
Acq: 06 Mar 2024 12:50

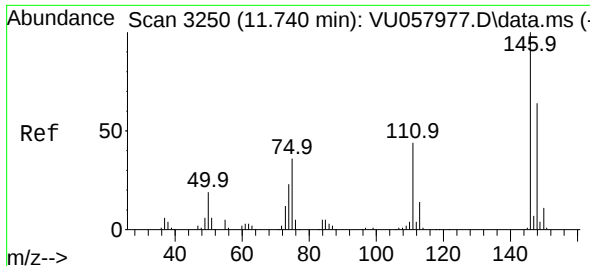
Tgt Ion:105 Resp: 197264

Ion Ratio Lower Upper

105 100

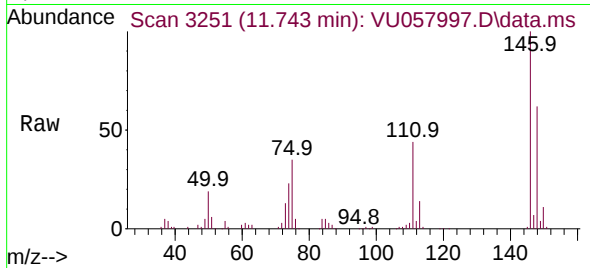
120 42.1 34.8 52.2



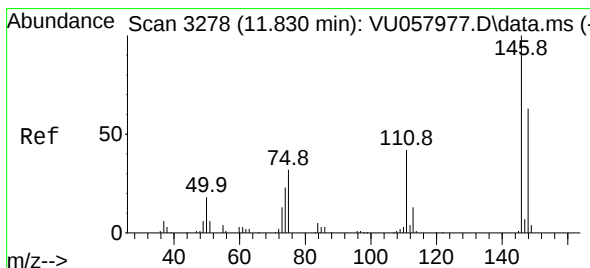
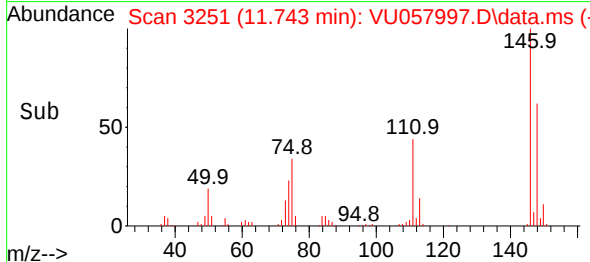
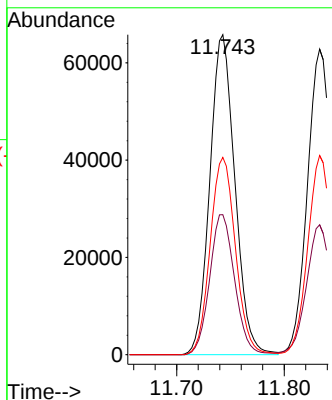


#64
1,3-Dichlorobenzene
Concen: 5.548 ug/L
RT: 11.743 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU057997.D
Acq: 06 Mar 2024 12:50

Instrument :
MSVOA_U
ClientSampleId :

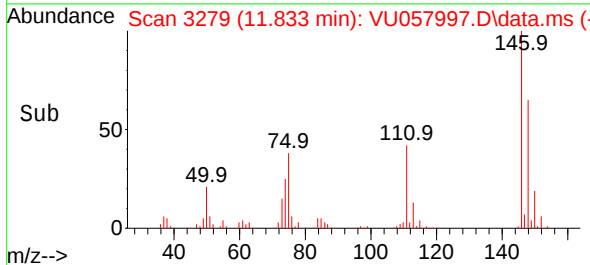
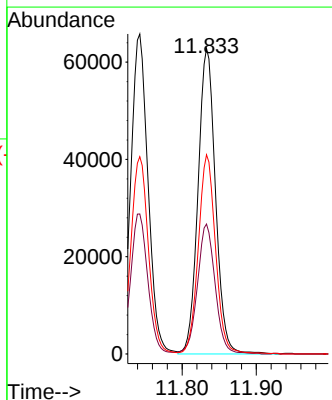
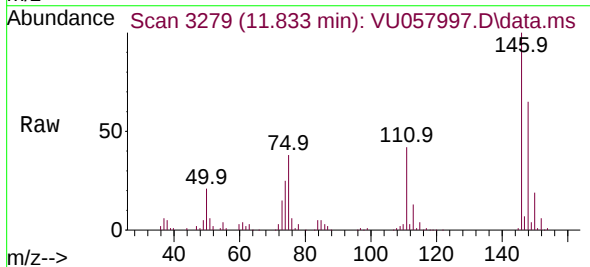


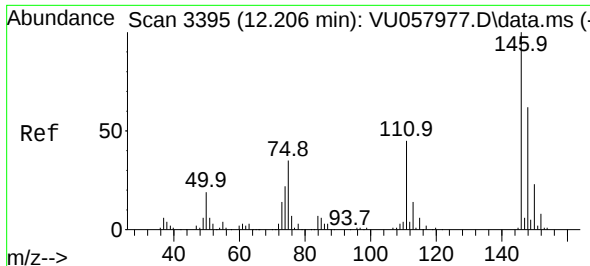
Tgt Ion:146 Resp: 106524
Ion Ratio Lower Upper
146 100
111 43.7 30.9 57.5
148 61.7 45.4 84.4



#65
1,4-Dichlorobenzene
Concen: 5.480 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. 0.003 min
Lab File: VU057997.D
Acq: 06 Mar 2024 12:50

Tgt Ion:146 Resp: 102986
Ion Ratio Lower Upper
146 100
111 42.5 30.1 55.9
148 65.2 45.0 83.6





#67

1,2-Dichlorobenzene

Concen: 5.528 ug/L

RT: 12.209 min Scan# 3395

Delta R.T. 0.003 min

Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

Instrument :

MSVOA_U

ClientSampleId :

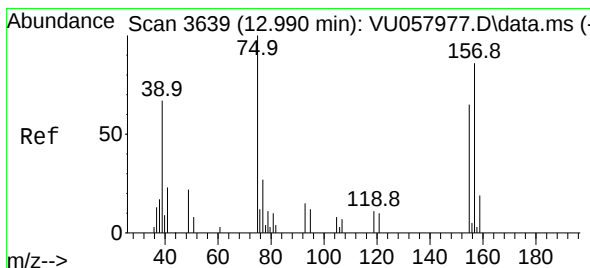
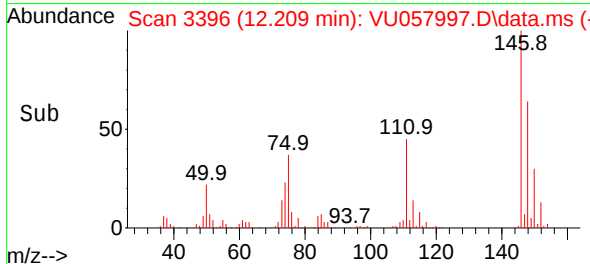
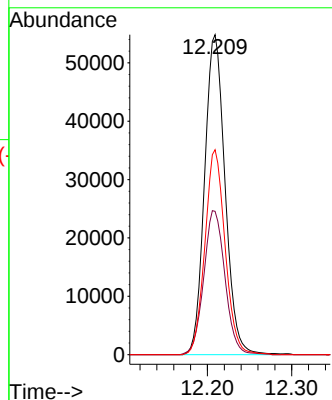
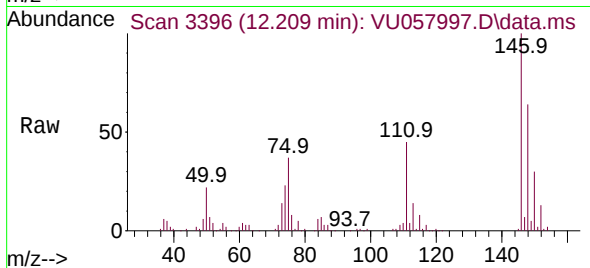
Tgt Ion:146 Resp: 92651

Ion Ratio Lower Upper

146 100

111 44.8 37.4 56.0

148 64.0 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 5.281 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

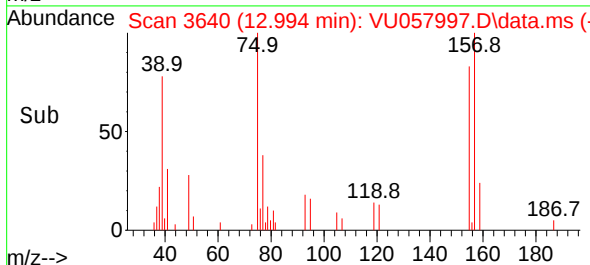
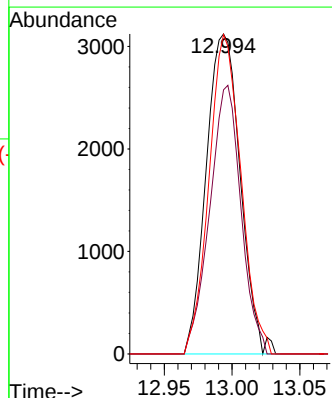
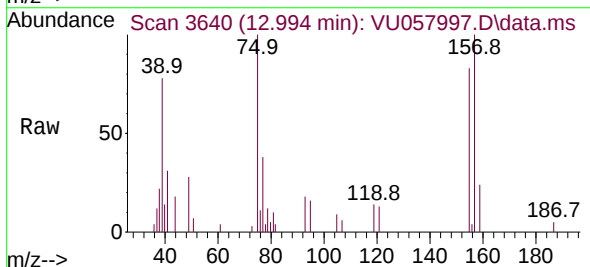
Tgt Ion: 75 Resp: 5443

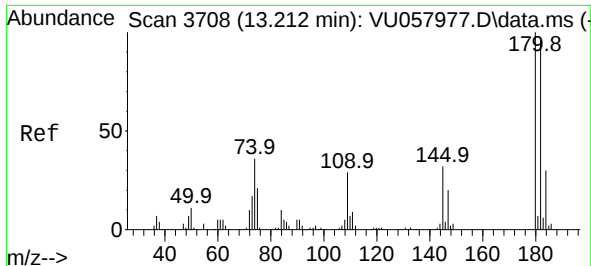
Ion Ratio Lower Upper

75 100

155 82.5 61.0 91.6

157 99.8 74.6 112.0





#69

1,3,5-Trichlorobenzene

Concen: 5.329 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.003 min

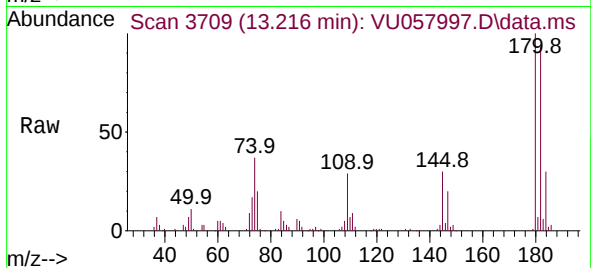
Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 73593

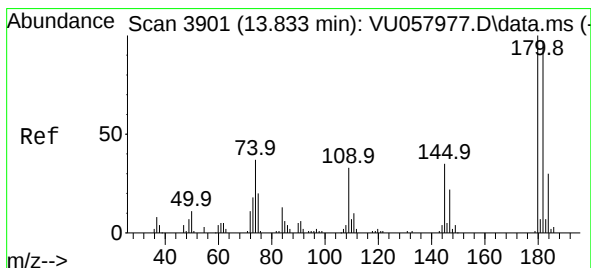
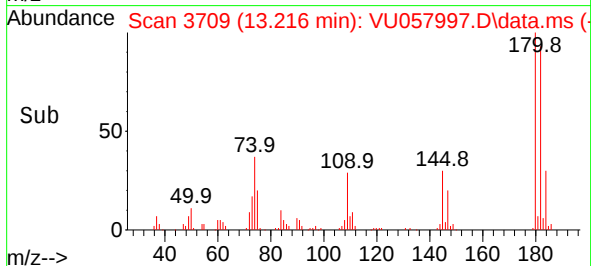
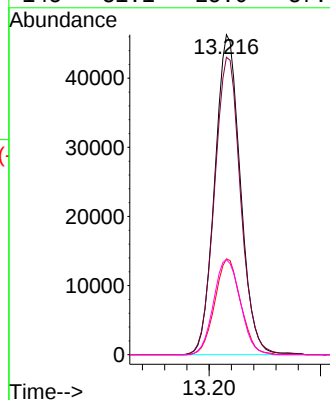
Ion Ratio Lower Upper

180 100

182 95.4 76.3 114.5

184 30.4 24.6 36.8

145 31.1 25.0 37.6



#70

1,2,4-trichlorobenzene

Concen: 5.278 ug/L

RT: 13.839 min Scan# 3903

Delta R.T. 0.006 min

Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

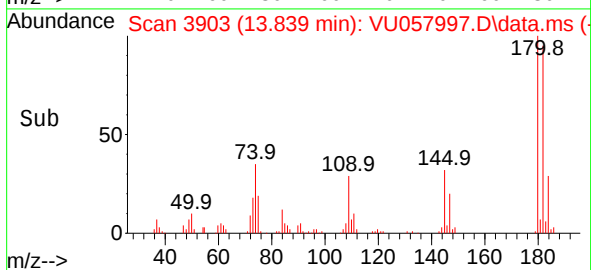
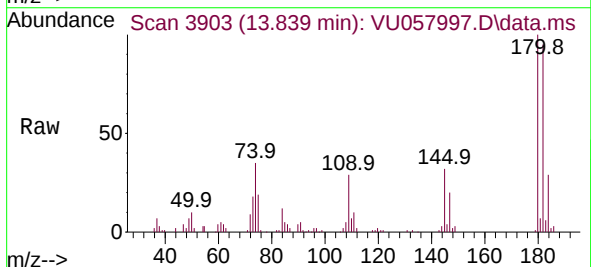
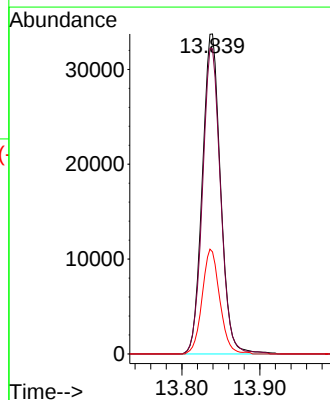
Tgt Ion:180 Resp: 54767

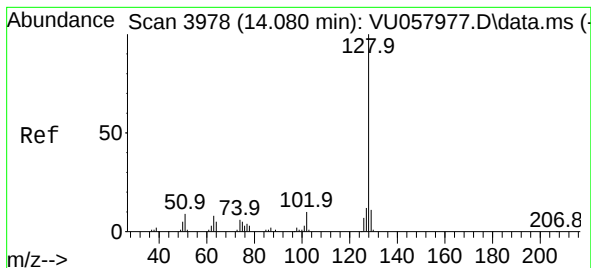
Ion Ratio Lower Upper

180 100

182 94.8 77.9 116.9

145 31.7 25.8 38.8





#71

Naphthalene

Concen: 4.815 ug/L

RT: 14.087 min Scan# 3978

Delta R.T. 0.006 min

Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

Instrument :

MSVOA_U

ClientSampleId :

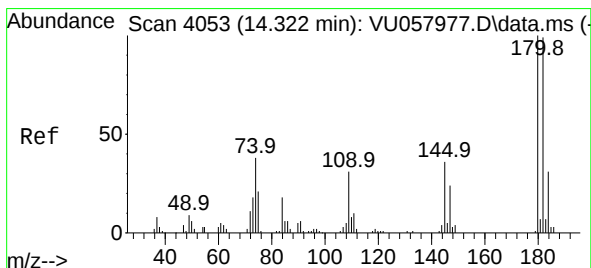
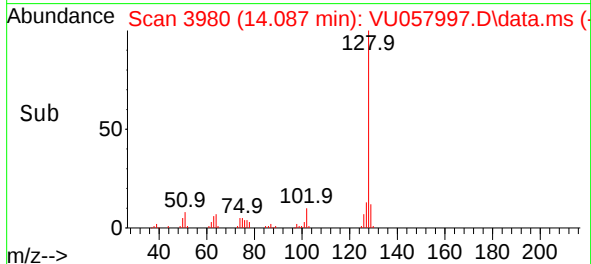
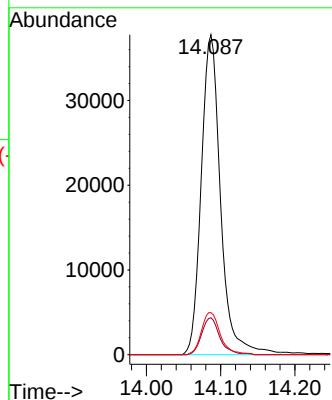
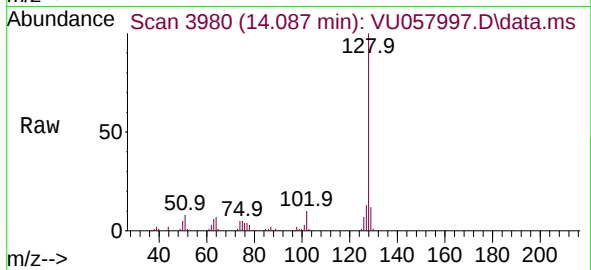
Tgt Ion:128 Resp: 68232

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.6

127 12.9 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 5.247 ug/L

RT: 14.328 min Scan# 4055

Delta R.T. 0.006 min

Lab File: VU057997.D

Acq: 06 Mar 2024 12:50

Tgt Ion:180 Resp: 43006

Ion Ratio Lower Upper

180 100

182 96.0 77.6 116.4

145 35.2 28.7 43.1

