

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012424\
 Data File : VU057654.D
 Acq On : 25 Jan 2024 05:49
 Operator : MD/SY
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jan 25 06:02:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR012324WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Thu Jan 25 04:41:48 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	55169	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	50291	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	25000	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	14917	4.907	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.200%
7) Chloroethane-d5	1.914	69	12321	4.838	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.800%
11) 1,1-Dichloroethene-d2	2.561	65	7142	4.997	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	100.000%
20) 2-Butanone-d5	4.644	46	35597	62.078	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	124.160%
24) Chloroform-d	5.056	84	33439	5.420	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	108.400%
26) 1,2-Dichloroethane-d4	5.695	65	15624	5.573	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.400%
32) Benzene-d6	5.721	84	63106	5.349	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.000%
36) 1,2-Dichloropropane-d6	6.686	67	19154	5.383	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	107.600%
41) Toluene-d8	7.891	98	58804	5.251	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	105.000%
43) trans-1,3-Dichloroprop...	8.178	79	7204	5.080	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.600%
46) 2-Hexanone-d5	8.631	63	26470	58.503	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	117.000%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	13914	5.834	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.600%
66) 1,2-Dichlorobenzene-d4	12.187	152	19509	5.561	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.384	85	24668	5.277	ug/L	98
3) Chloromethane	1.519	50	24644	5.269	ug/L	96
5) Vinyl chloride	1.602	62	26809	5.385	ug/L	98
6) Bromomethane	1.856	94	14021	5.402	ug/L	97
8) Chloroethane	1.934	64	16100	5.400	ug/L	93
9) Trichlorofluoromethane	2.136	101	41338	5.574	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.577	101	22501	5.220	ug/L	99
12) 1,1-Dichloroethene	2.577	96	21264	5.303	ug/L	98
13) Acetone	2.673	43	28992	53.207	ug/L	100
14) Carbon disulfide	2.789	76	67451	5.189	ug/L	99
15) Methyl Acetate	2.962	43	8001	5.707	ug/L	93
16) Methylene chloride	3.040	84	23125	5.373	ug/L	98
17) Methyl tert-butyl Ether	3.358	73	52868	5.545	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	22566	5.344	ug/L	98
19) 1,1-Dichloroethane	3.860	63	42808	5.489	ug/L	98
21) 2-Butanone	4.724	43	48164	56.352	ug/L	97
22) cis-1,2-Dichloroethene	4.660	96	24756	5.453	ug/L	98
23) Bromochloromethane	4.969	128	10200	5.592	ug/L	95
25) Chloroform	5.078	83	45159	5.458	ug/L	100

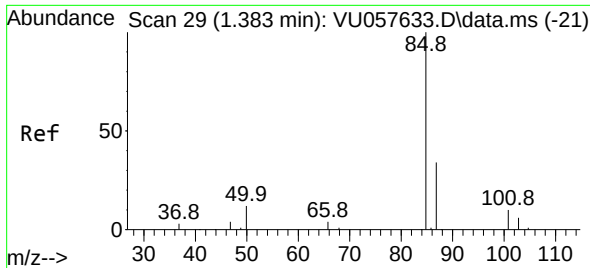
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU012424\
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.789	62	27436	5.692	ug/L	99
29) 1,1,1-Trichloroethane	5.310	97	39871	5.401	ug/L	99
30) Cyclohexane	5.380	56	38556	5.413	ug/L	99
31) Carbon tetrachloride	5.519	117	35419	5.439	ug/L	99
33) Benzene	5.766	78	95741	5.550	ug/L	100
34) Trichloroethene	6.538	95	25693	5.403	ug/L	98
35) Methylcyclohexane	6.757	83	40689	5.297	ug/L	97
37) 1,2-Dichloropropane	6.785	63	24496	5.677	ug/L	98
38) Bromodichloromethane	7.101	83	31258	5.383	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	34348	5.121	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	116635	56.640	ug/L	100
42) Toluene	7.962	91	103324	5.555	ug/L	100
44) trans-1,3-Dichloropropene	8.207	75	28283	5.189	ug/L	98
45) 1,1,2-Trichloroethane	8.393	97	15970	5.690	ug/L	98
47) Tetrachloroethene	8.547	164	18585	5.318	ug/L	98
48) 2-Hexanone	8.679	43	81462	56.377	ug/L	97
49) Dibromochloromethane	8.801	129	19563	5.382	ug/L	100
50) 1,2-Dibromoethane	8.917	107	15002	5.507	ug/L	95
51) Chlorobenzene	9.441	112	63518	5.445	ug/L	99
52) Ethylbenzene	9.563	91	114029	5.441	ug/L	100
53) m,p-Xylene	9.689	106	41669	5.388	ug/L	98
54) o-Xylene	10.094	106	40776	5.409	ug/L	98
55) Styrene	10.110	104	62996	5.462	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.776	83	19098	5.608	ug/L	99
59) Bromoform	10.287	173	10434	5.138	ug/L	98
60) Isopropylbenzene	10.477	105	99661	5.088	ug/L	99
61) 1,2,3-Trichloropropane	10.817	75	13761	5.484	ug/L	97
62) 1,3,5-Trimethylbenzene	11.081	105	89521	5.128	ug/L	99
63) 1,2,4-Trimethylbenzene	11.460	105	90366	5.173	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	45404	5.078	ug/L	98
65) 1,4-Dichlorobenzene	11.830	146	43469	5.079	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	41699	5.227	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.991	75	2703	5.722	ug/L	95
69) 1,3,5-Trichlorobenzene	13.213	180	32275	4.918	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	23585	4.906	ug/L	99
71) Naphthalene	14.081	128	34272	5.036	ug/L	100
72) 1,2,3-Trichlorobenzene	14.322	180	18666	4.988	ug/L	99

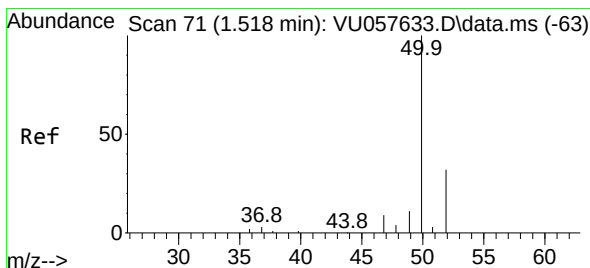
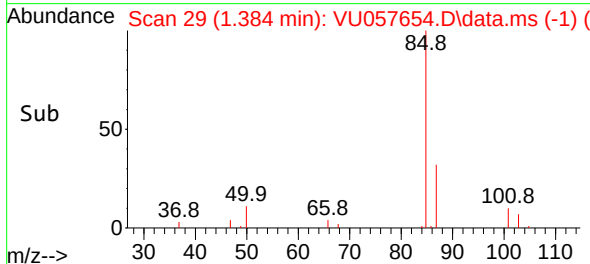
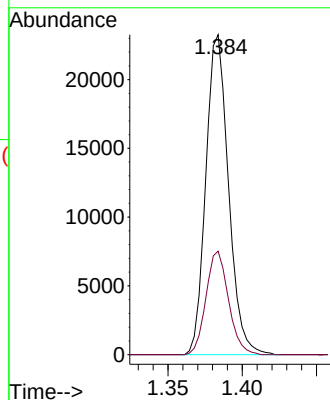
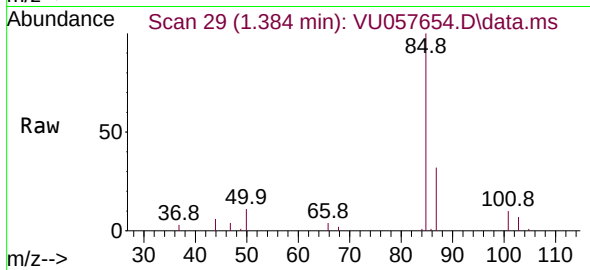
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 5.277 ug/L
RT: 1.384 min Scan# 29
Delta R.T. 0.000 min
Lab File: VU057654.D
Acq: 25 Jan 2024 05:49

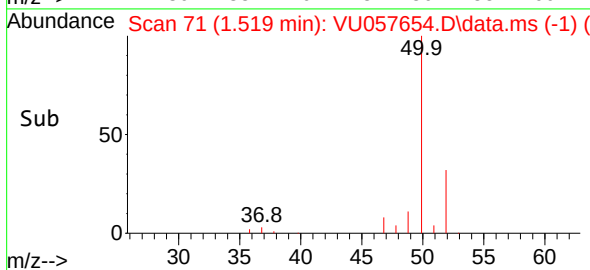
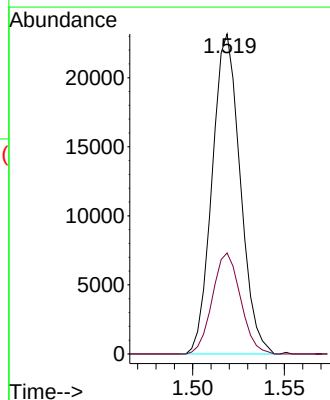
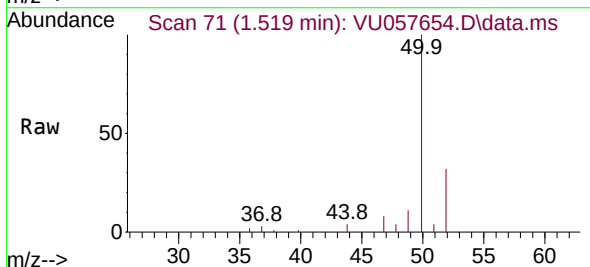
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MSVOA_U
ClientSampleId :

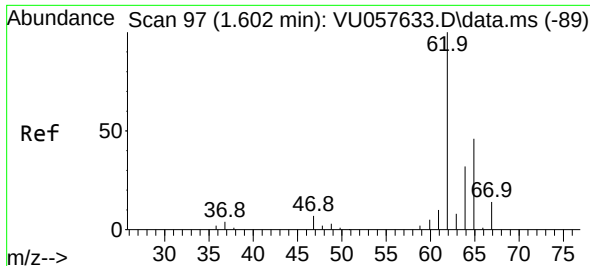
Tgt Ion: 85 Resp: 24668
Ion Ratio Lower Upper
85 100
87 32.1 26.4 39.6



#3
Chloromethane
Concen: 5.269 ug/L
RT: 1.519 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU057654.D
Acq: 25 Jan 2024 05:49

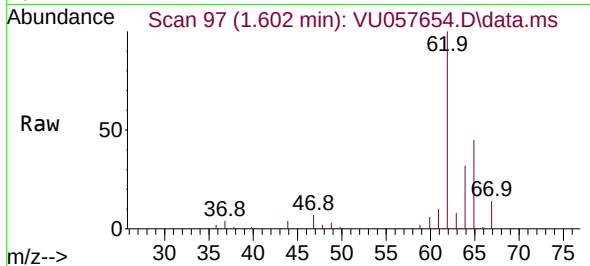
Tgt Ion: 50 Resp: 24644
Ion Ratio Lower Upper
50 100
52 31.6 23.7 43.9



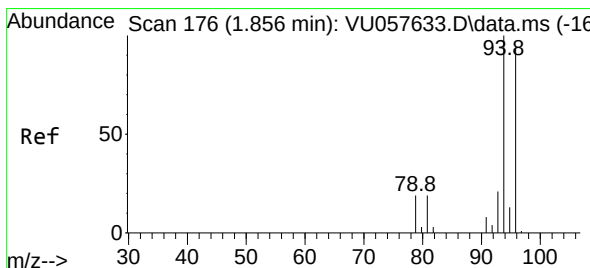
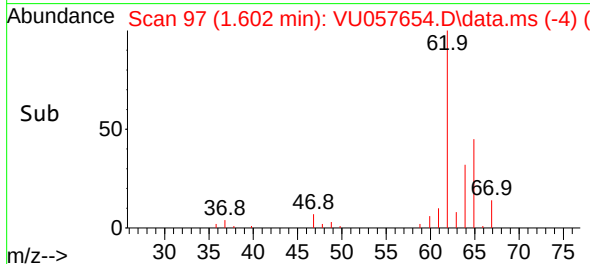
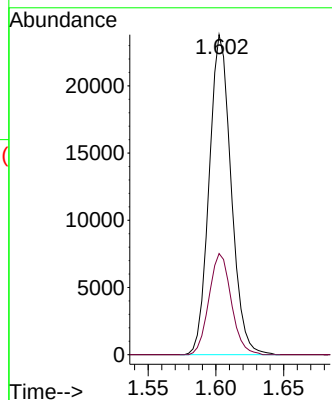


#5
 Vinyl chloride
 Concen: 5.385 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: VU057654.D
 Acq: 25 Jan 2024 05:49

Instrument :
 MSVOA_U
 ClientSampleId :

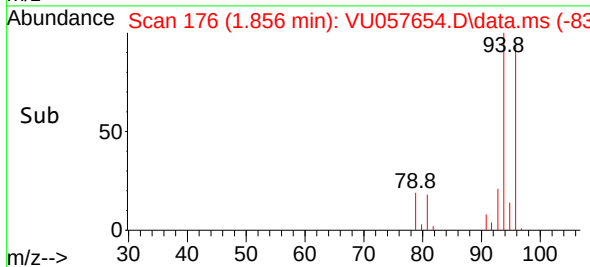
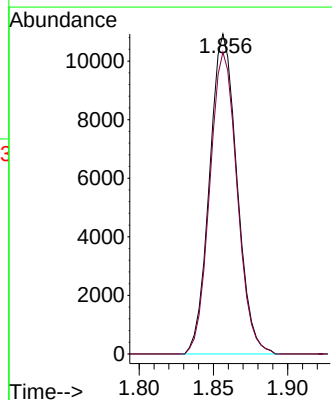
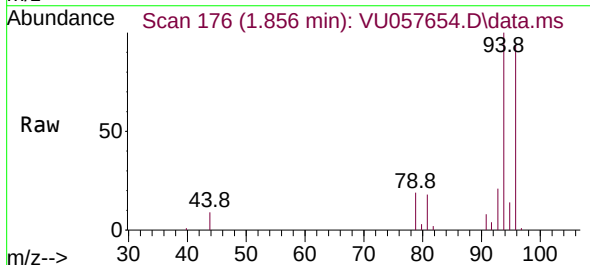


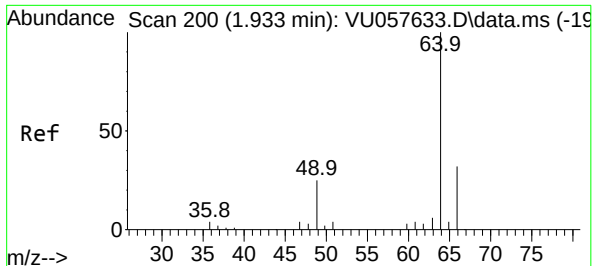
Tgt Ion: 62 Resp: 26809
 Ion Ratio Lower Upper
 62 100
 64 31.6 22.8 42.4



#6
 Bromomethane
 Concen: 5.402 ug/L
 RT: 1.856 min Scan# 176
 Delta R.T. 0.000 min
 Lab File: VU057654.D
 Acq: 25 Jan 2024 05:49

Tgt Ion: 94 Resp: 14021
 Ion Ratio Lower Upper
 94 100
 96 94.3 68.0 126.4

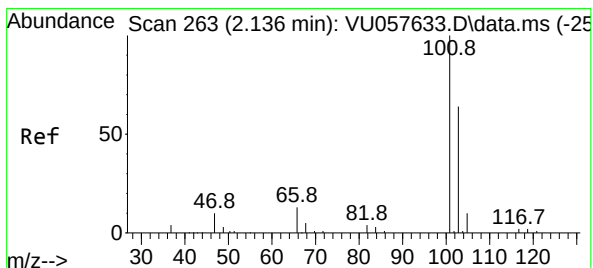
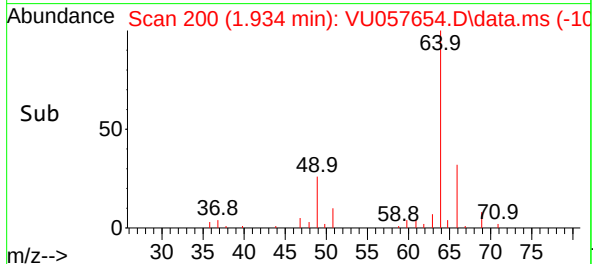
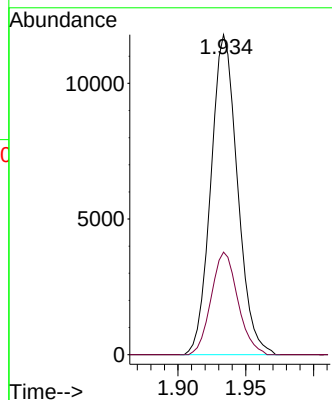
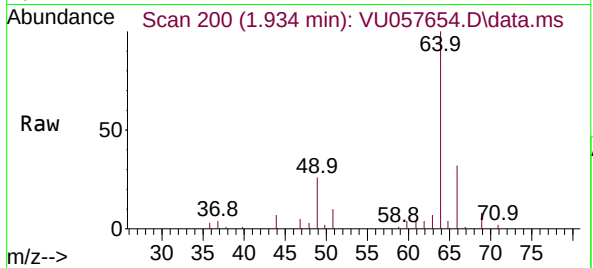




#8
Chloroethane
Concen: 5.400 ug/L
RT: 1.934 min Scan# 200
Delta R.T. 0.000 min
Lab File: VU057654.D
Acq: 25 Jan 2024 05:49

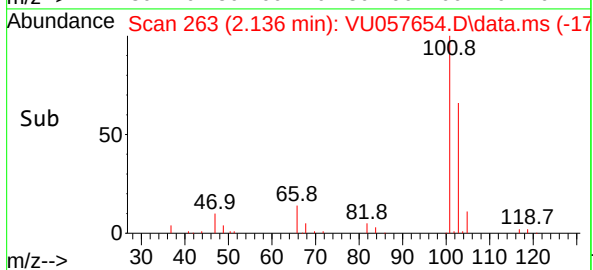
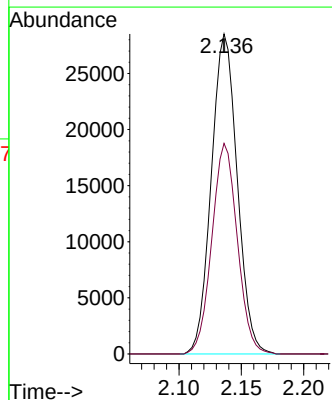
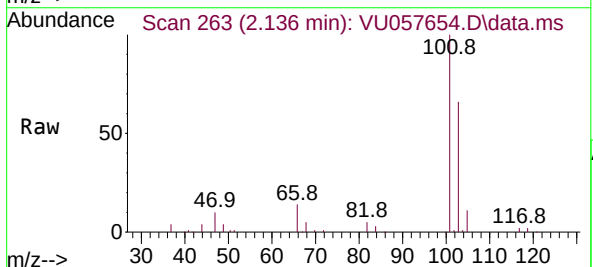
Instrument :
MSVOA_U
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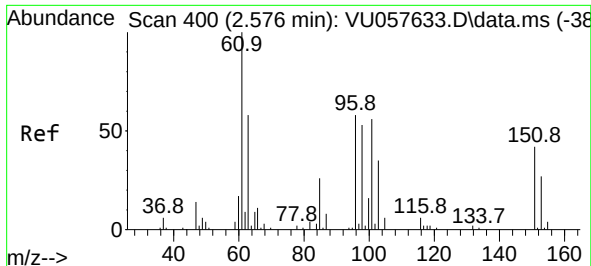
Tgt Ion: 64 Resp: 16100
Ion Ratio Lower Upper
64 100
66 30.7 24.5 45.5



#9
Trichlorofluoromethane
Concen: 5.574 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.000 min
Lab File: VU057654.D
Acq: 25 Jan 2024 05:49

Tgt Ion:101 Resp: 41338
Ion Ratio Lower Upper
101 100
103 64.5 52.2 78.2

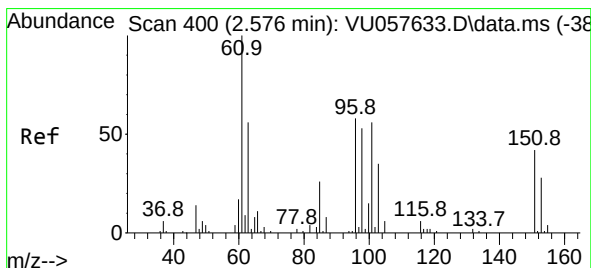
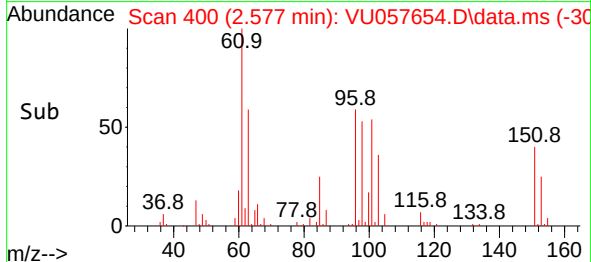
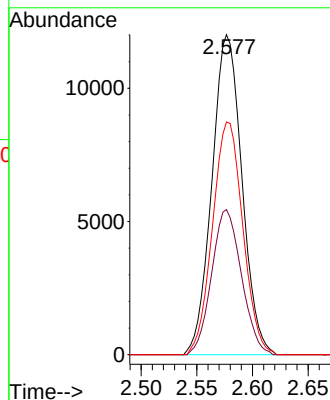
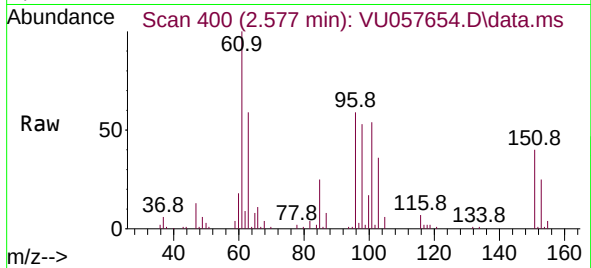




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 5.220 ug/L
 RT: 2.577 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU057654.D
 Acq: 25 Jan 2024 05:49

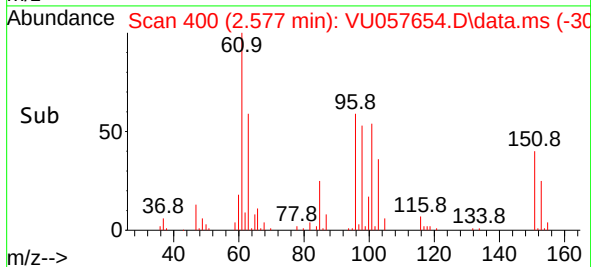
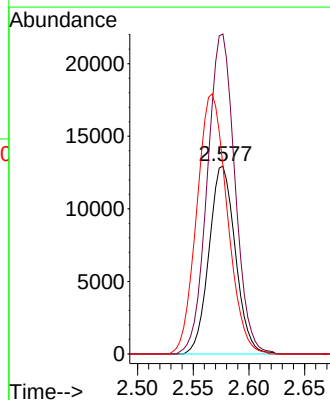
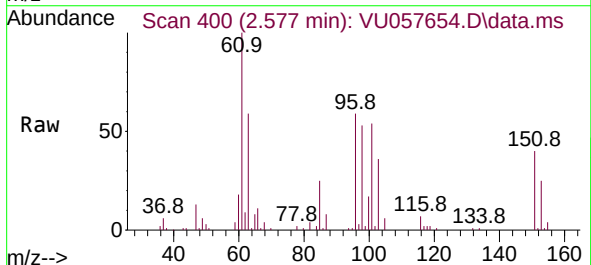
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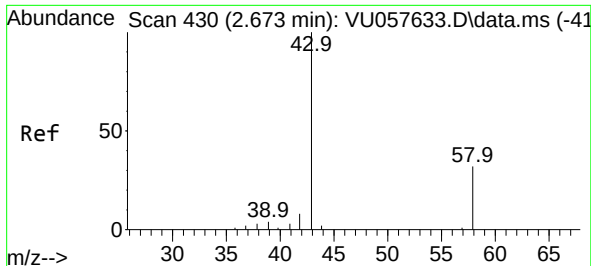
Tgt Ion:101 Resp: 22501
 Ion Ratio Lower Upper
 101 100
 85 45.1 35.8 53.8
 151 73.4 60.0 90.0



#12
 1,1-Dichloroethene
 Concen: 5.303 ug/L
 RT: 2.577 min Scan# 400
 Delta R.T. 0.000 min
 Lab File: VU057654.D
 Acq: 25 Jan 2024 05:49

Tgt Ion: 96 Resp: 21264
 Ion Ratio Lower Upper
 96 100
 61 170.3 120.7 224.1
 63 100.2 72.5 134.7





#13

Acetone

Concen: 53.207 ug/L

RT: 2.673 min Scan# 41

Delta R.T. 0.000 min

Lab File: VU057654.D

Acq: 25 Jan 2024 05:49

Instrument :

MSVOA_U

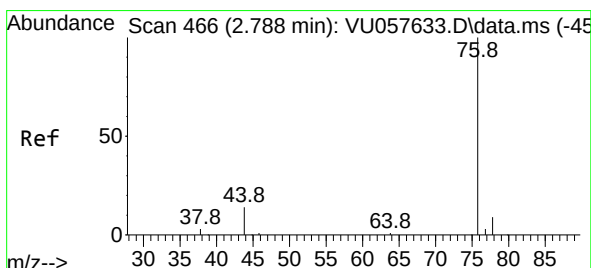
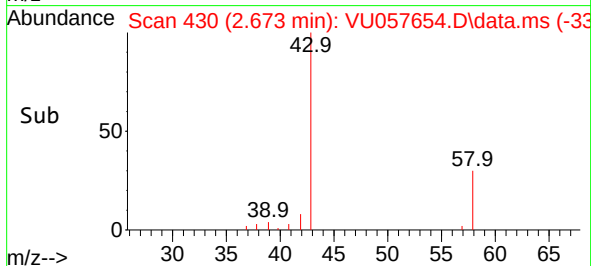
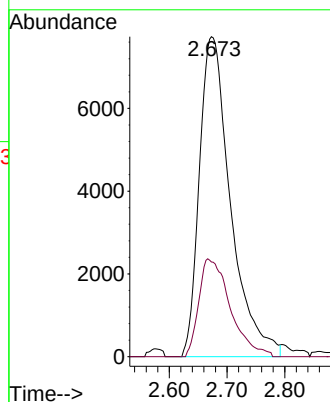
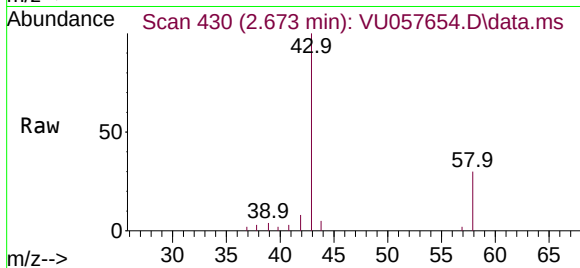
ClientSampleId :

Tgt Ion: 43 Resp: 28992

Ion Ratio Lower Upper

43 100

58 30.9 0.0 61.4



#14

Carbon disulfide

Concen: 5.189 ug/L

RT: 2.789 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU057654.D

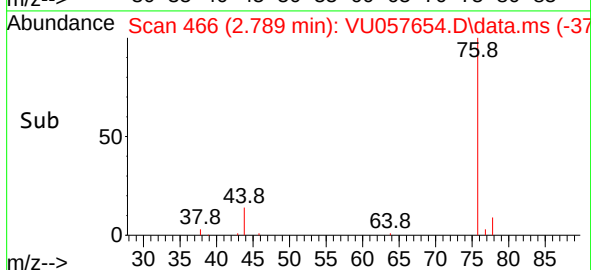
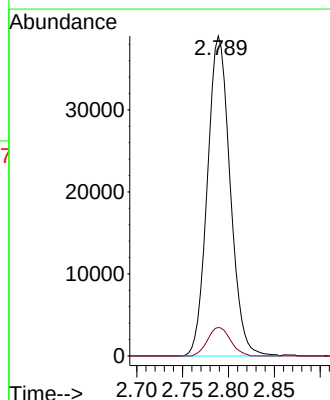
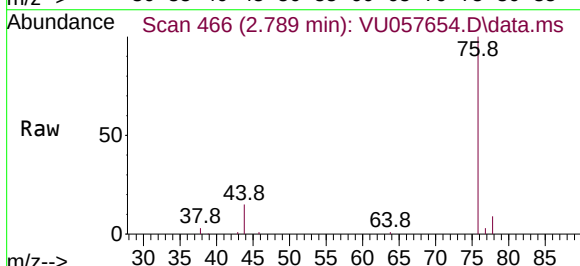
Acq: 25 Jan 2024 05:49

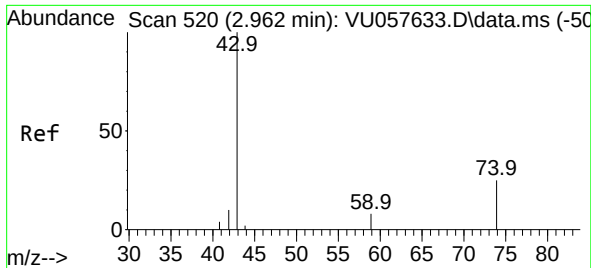
Tgt Ion: 76 Resp: 67451

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9





#15

Methyl Acetate

Concen: 5.707 ug/L

RT: 2.962 min Scan# 51

Delta R.T. 0.000 min

Lab File: VU057654.D

Acq: 25 Jan 2024 05:49

Instrument :

MSVOA_U

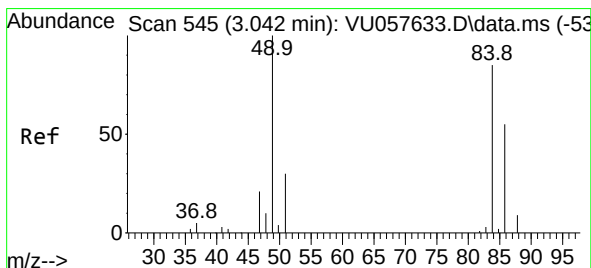
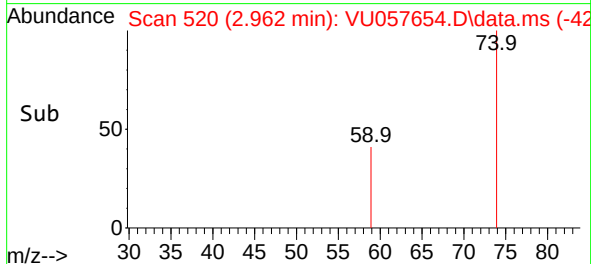
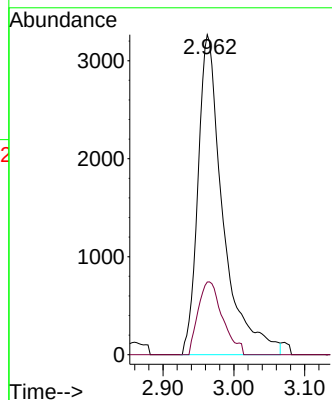
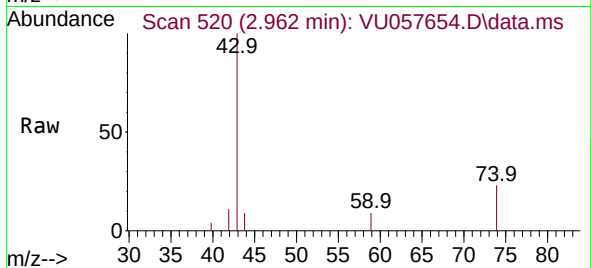
ClientSampleId :

Tgt Ion: 43 Resp: 8001

Ion Ratio Lower Upper

43 100

74 22.2 20.7 31.1



#16

Methylene chloride

Concen: 5.373 ug/L

RT: 3.040 min Scan# 544

Delta R.T. -0.003 min

Lab File: VU057654.D

Acq: 25 Jan 2024 05:49

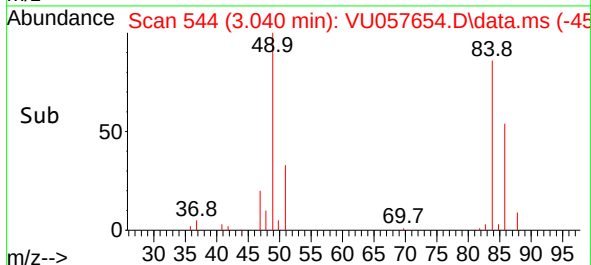
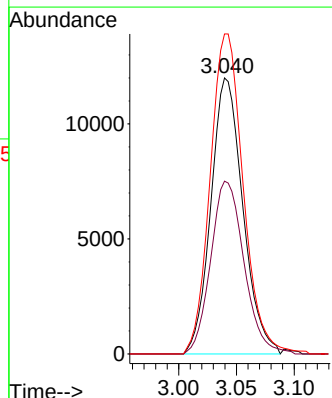
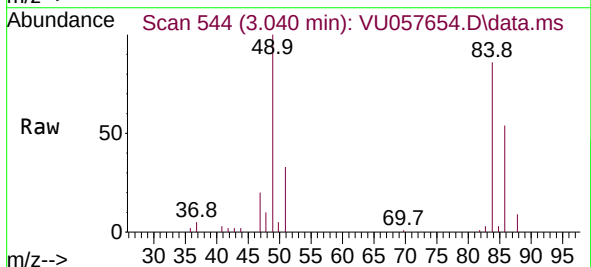
Tgt Ion: 84 Resp: 23125

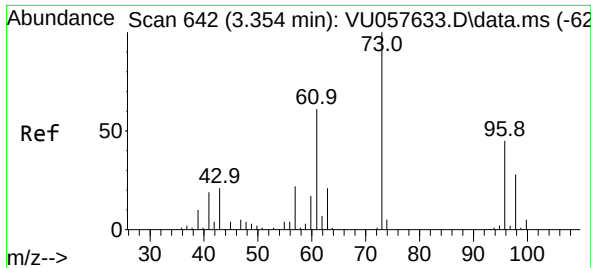
Ion Ratio Lower Upper

84 100

86 62.6 43.5 80.9

49 121.5 82.5 153.1

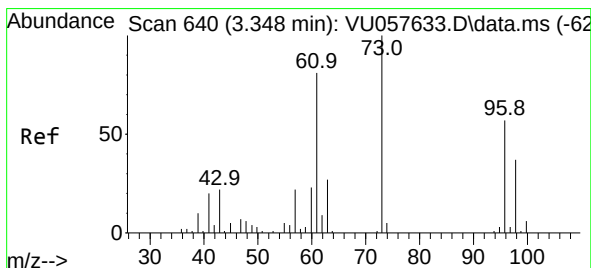
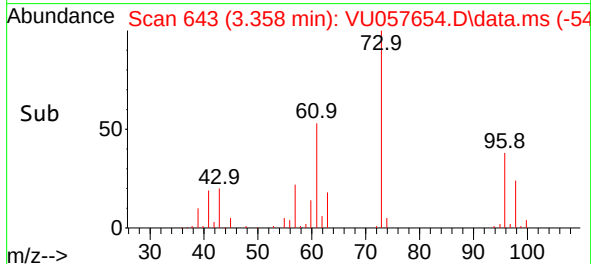
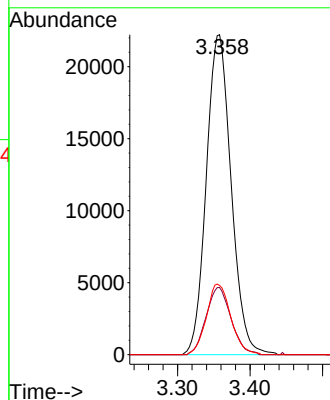
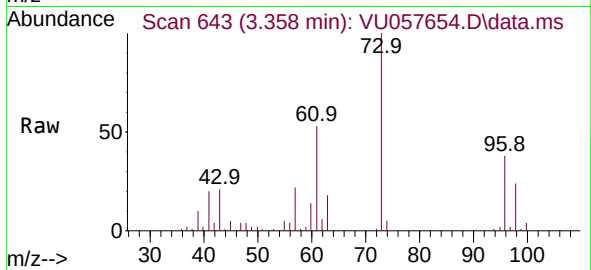




#17
Methyl tert-butyl Ether
Concen: 5.545 ug/L
RT: 3.358 min Scan# 64
Delta R.T. 0.004 min
Lab File: VU057654.D
Acq: 25 Jan 2024 05:49

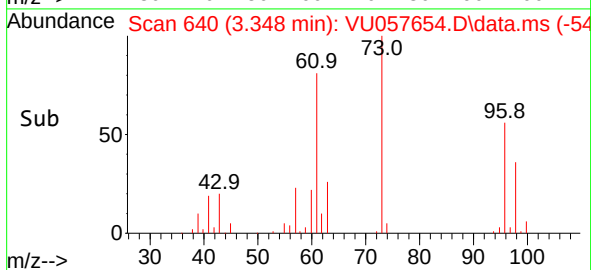
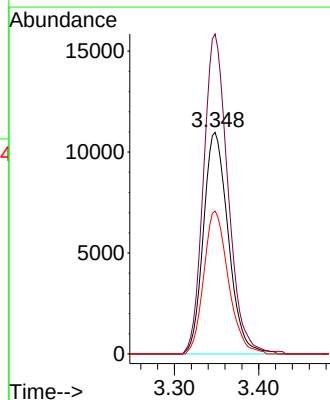
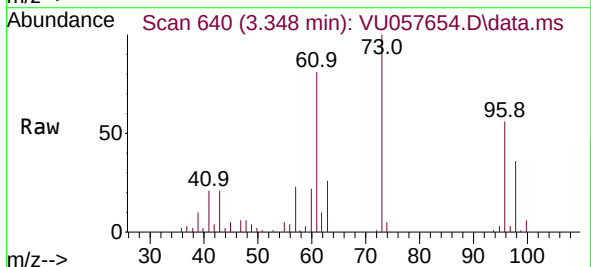
Instrument :
MSVOA_U
ClientSampleId :

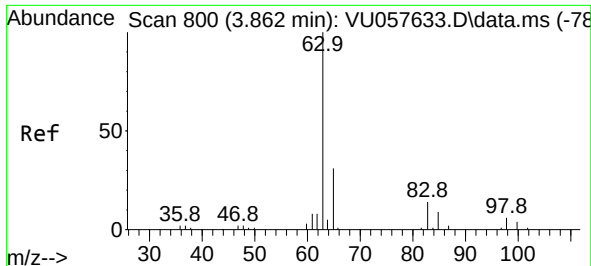
Tgt Ion: 73 Resp: 52868
Ion Ratio Lower Upper
73 100
43 21.1 17.3 25.9
57 21.7 17.7 26.5



#18
trans-1,2-Dichloroethene
Concen: 5.344 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU057654.D
Acq: 25 Jan 2024 05:49

Tgt Ion: 96 Resp: 22566
Ion Ratio Lower Upper
96 100
61 144.4 99.3 184.5
98 64.4 44.5 82.7





#19

1,1-Dichloroethane

Concen: 5.489 ug/L

RT: 3.860 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU057654.D

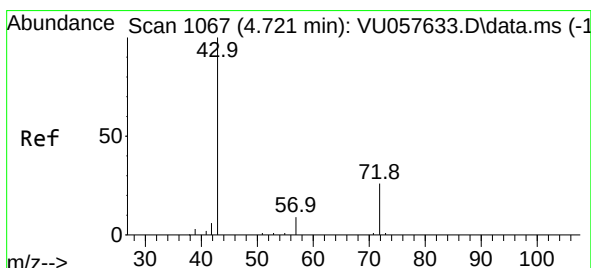
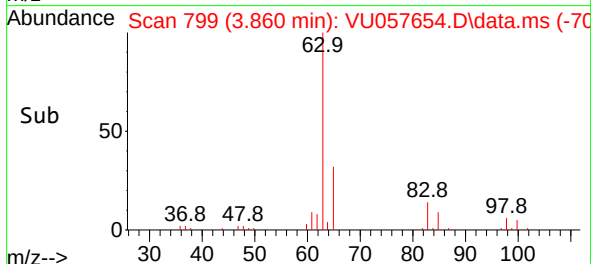
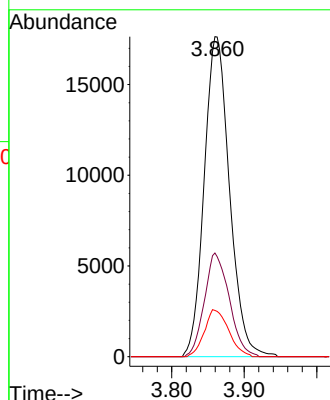
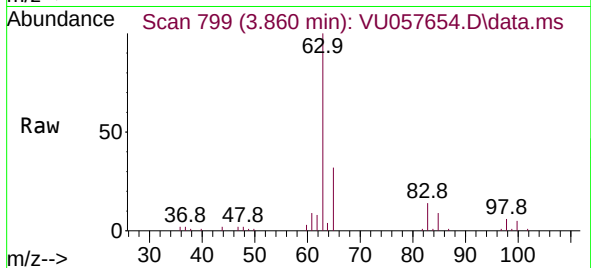
Acq: 25 Jan 2024 05:49

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	63	Resp:	42808
Ion	Ratio	Lower	Upper
63	100		
65	31.1	23.0	42.8
83	13.9	9.7	17.9



#21

2-Butanone

Concen: 56.352 ug/L

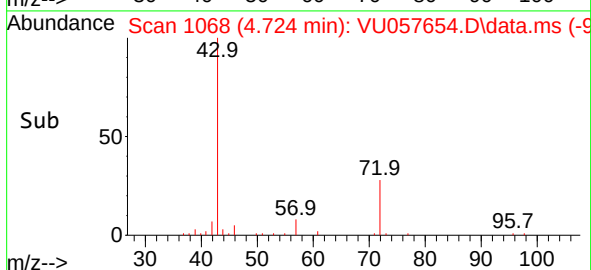
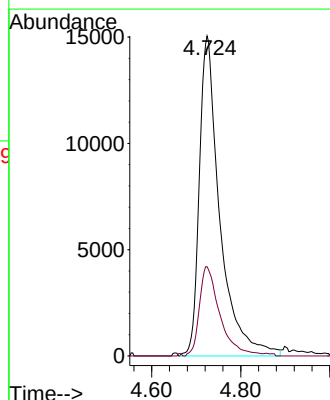
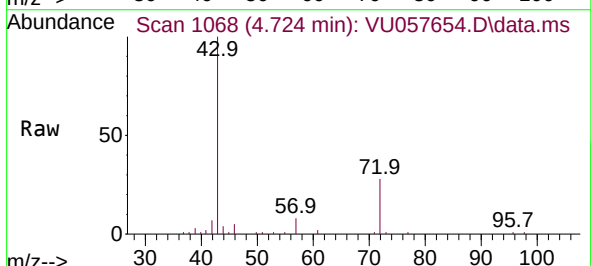
RT: 4.724 min Scan# 1068

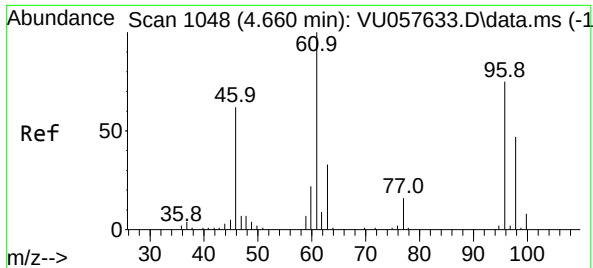
Delta R.T. 0.004 min

Lab File: VU057654.D

Acq: 25 Jan 2024 05:49

Tgt Ion:	43	Resp:	48164
Ion	Ratio	Lower	Upper
43	100		
72	27.9	14.7	44.1

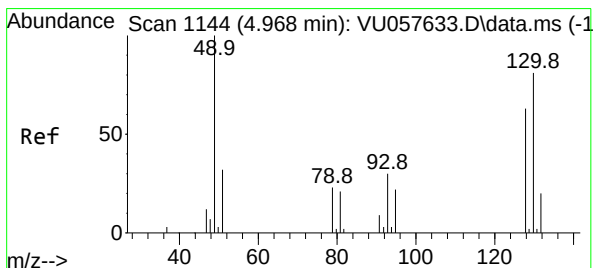
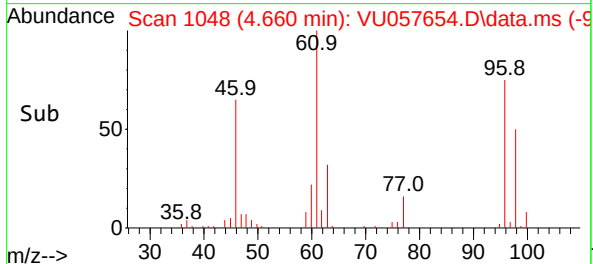
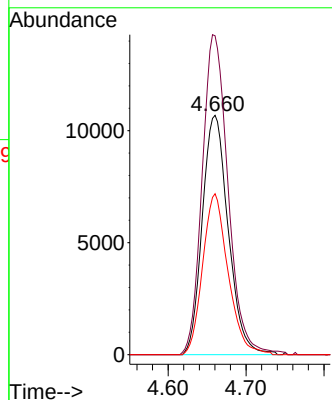
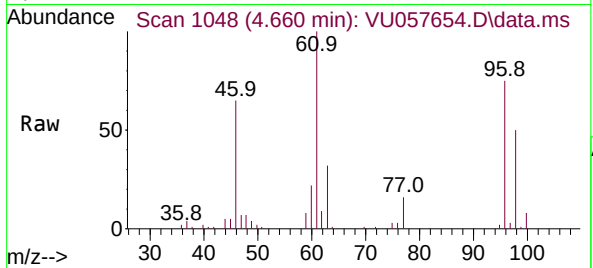




#22
 cis-1,2-Dichloroethene
 Concen: 5.453 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU057654.D
 Acq: 25 Jan 2024 05:49

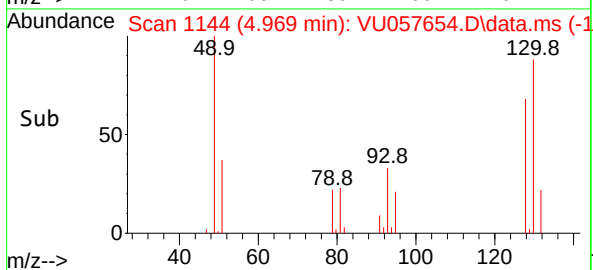
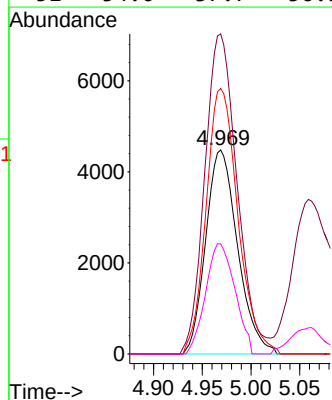
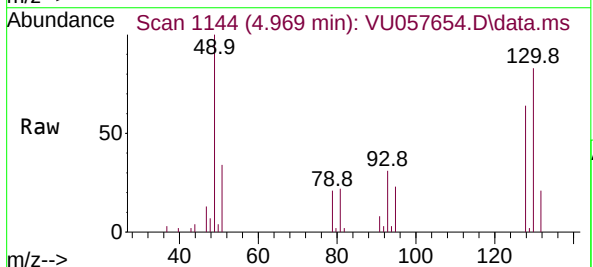
Instrument :
 MSVOA_U
 ClientSampleId :

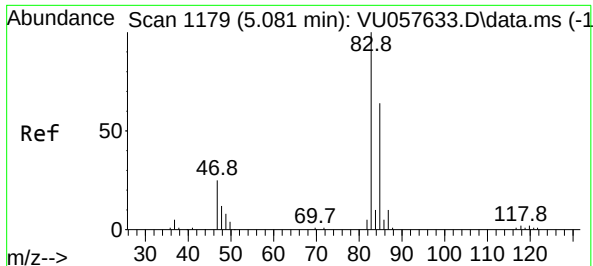
Tgt Ion: 96 Resp: 24756
 Ion Ratio Lower Upper
 96 100
 61 133.2 92.7 172.1
 98 67.3 44.9 83.5



#23
 Bromochloromethane
 Concen: 5.592 ug/L
 RT: 4.969 min Scan# 1144
 Delta R.T. 0.000 min
 Lab File: VU057654.D
 Acq: 25 Jan 2024 05:49

Tgt Ion:128 Resp: 10200
 Ion Ratio Lower Upper
 128 100
 49 163.0 111.5 207.1
 130 130.1 87.2 162.0
 51 54.0 37.7 56.5





#25

Chloroform

Concen: 5.458 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.003 min

Lab File: VU057654.D

Acq: 25 Jan 2024 05:49

Instrument :

MSVOA_U

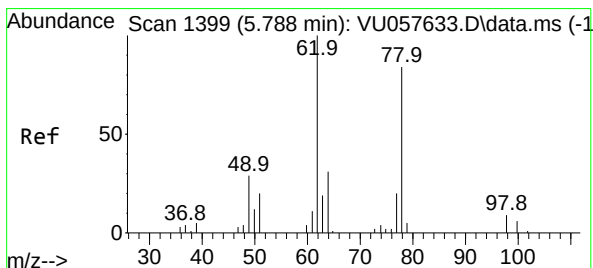
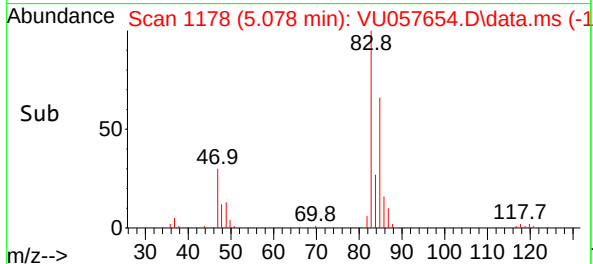
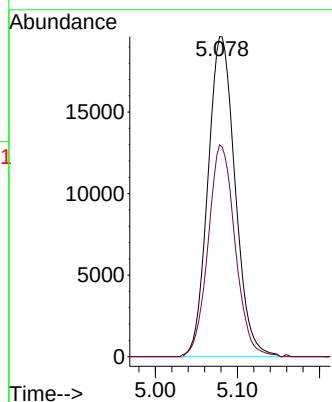
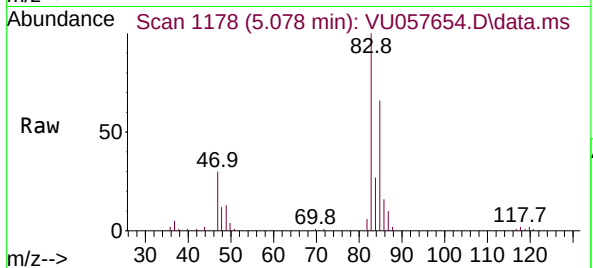
ClientSampleId :

Tgt Ion: 83 Resp: 45159

Ion Ratio Lower Upper

83 100

85 66.2 46.1 85.5



#27

1,2-Dichloroethane

Concen: 5.692 ug/L

RT: 5.789 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU057654.D

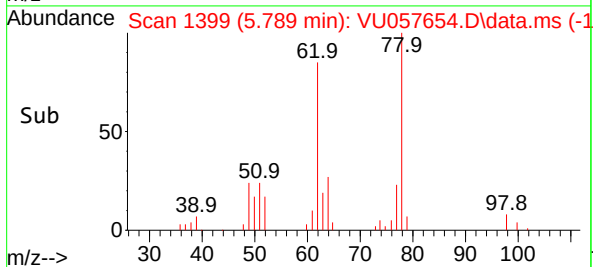
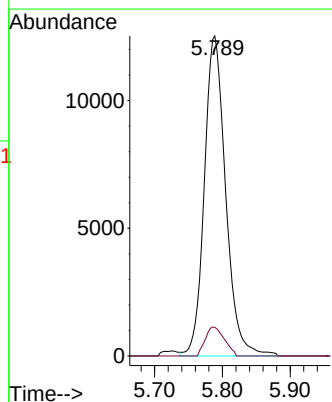
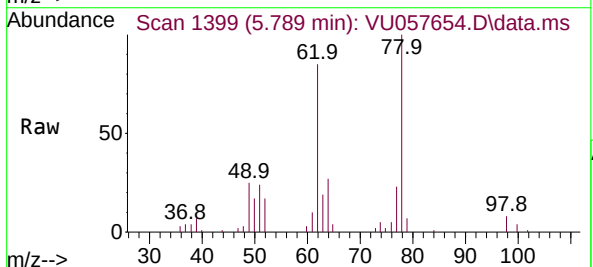
Acq: 25 Jan 2024 05:49

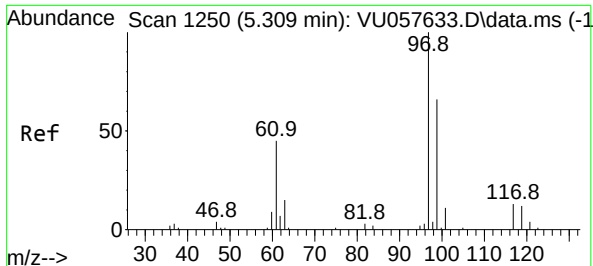
Tgt Ion: 62 Resp: 27436

Ion Ratio Lower Upper

62 100

98 8.9 6.9 10.3

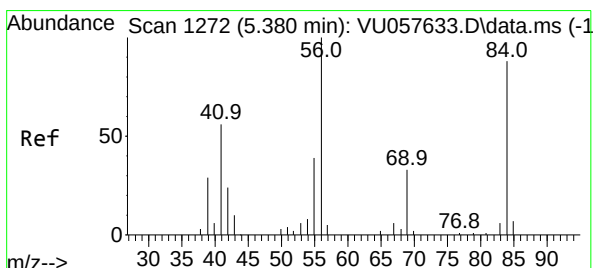
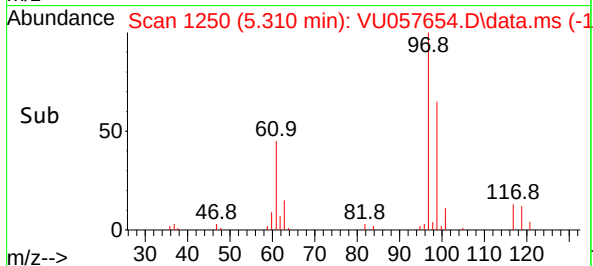
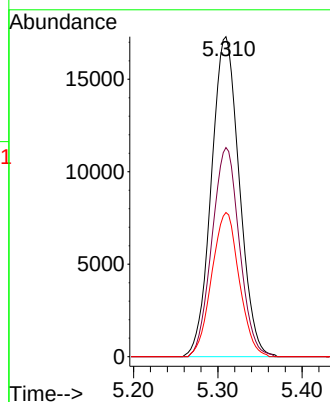
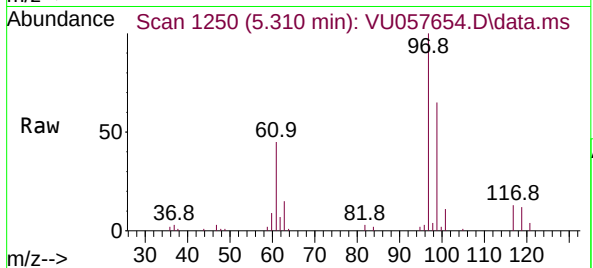




#29
1,1,1-Trichloroethane
Concen: 5.401 ug/L
RT: 5.310 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU057654.D
Acq: 25 Jan 2024 05:49

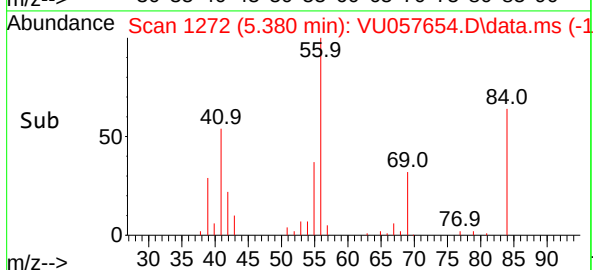
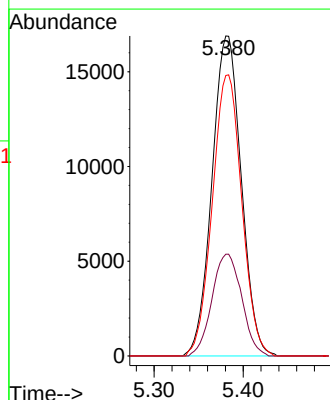
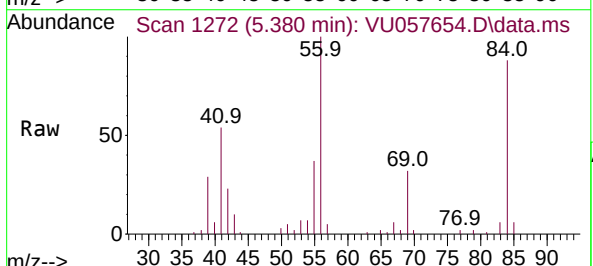
Instrument :
MSVOA_U
ClientSampleId :

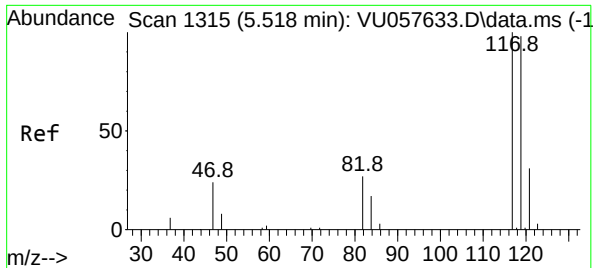
Tgt Ion: 97	Resp: 39871
Ion Ratio	Lower Upper
97 100	
99 64.2	52.0 78.0
61 44.3	35.3 52.9



#30
Cyclohexane
Concen: 5.413 ug/L
RT: 5.380 min Scan# 1272
Delta R.T. 0.000 min
Lab File: VU057654.D
Acq: 25 Jan 2024 05:49

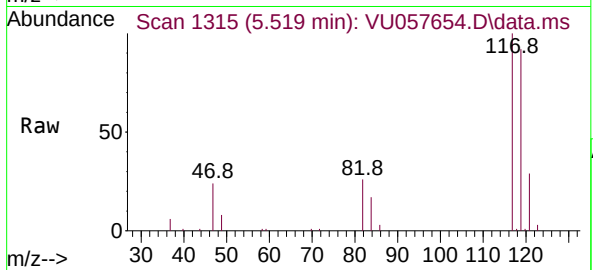
Tgt Ion: 56	Resp: 38556
Ion Ratio	Lower Upper
56 100	
69 32.2	25.8 38.8
84 88.3	72.0 108.0



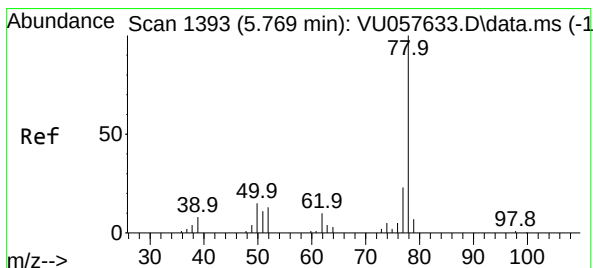
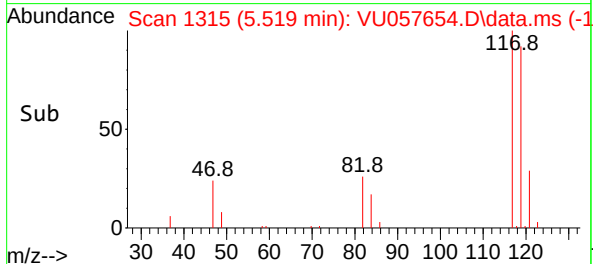
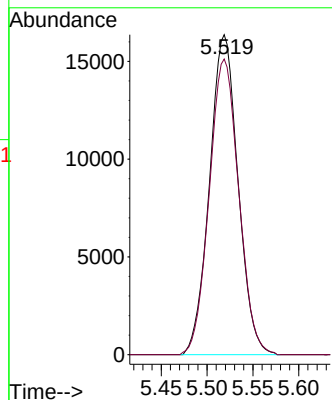


#31
Carbon tetrachloride
Concen: 5.439 ug/L
RT: 5.519 min Scan# 1117
Delta R.T. 0.000 min
Lab File: VU057654.D
Acq: 25 Jan 2024 05:49

Instrument :
MSVOA_U
ClientSampleId :

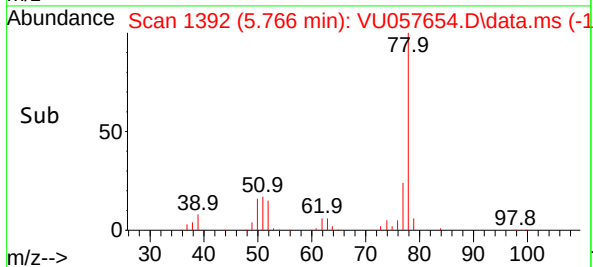
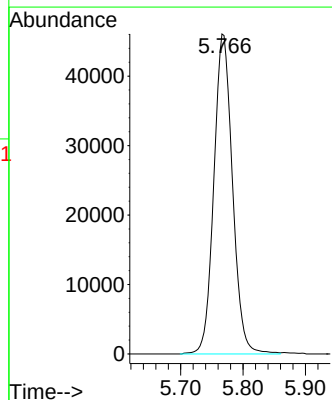
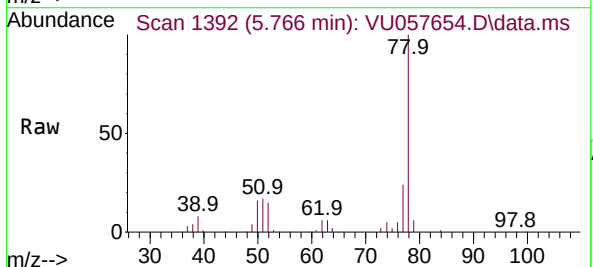


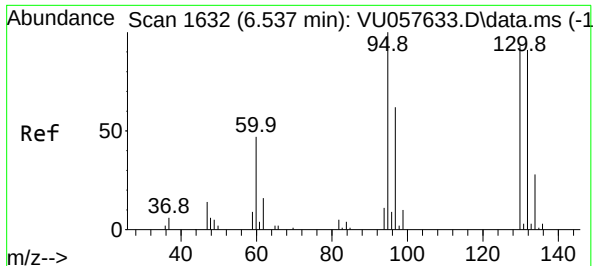
Tgt Ion:117 Resp: 35419
Ion Ratio Lower Upper
117 100
119 95.4 75.6 113.4



#33
Benzene
Concen: 5.550 ug/L
RT: 5.766 min Scan# 1392
Delta R.T. -0.003 min
Lab File: VU057654.D
Acq: 25 Jan 2024 05:49

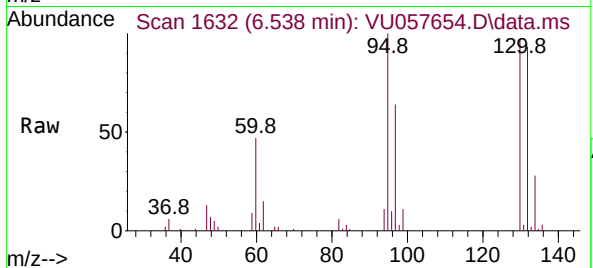
Tgt Ion: 78 Resp: 95741



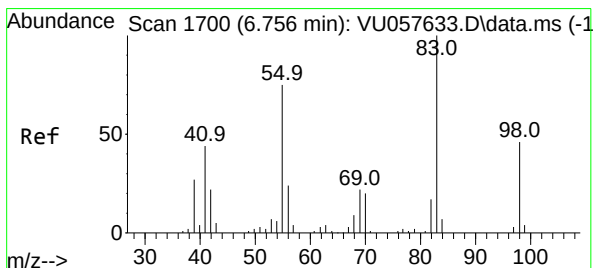
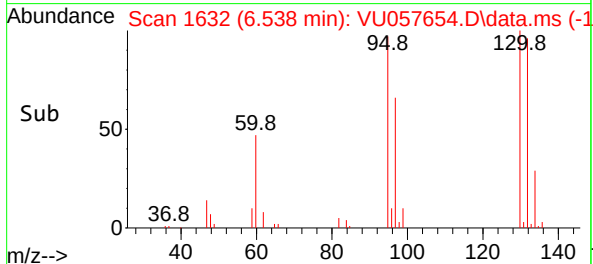
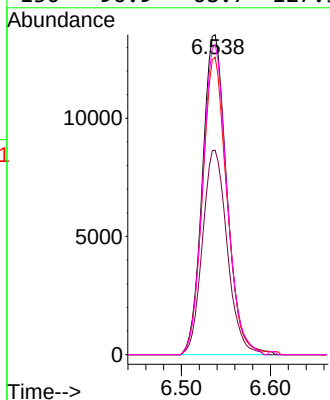


#34
Trichloroethene
Concen: 5.403 ug/L
RT: 6.538 min Scan# 1
Delta R.T. 0.000 min
Lab File: VU057654.D
Acq: 25 Jan 2024 05:49

Instrument :
MSVOA_U
ClientSampleId :

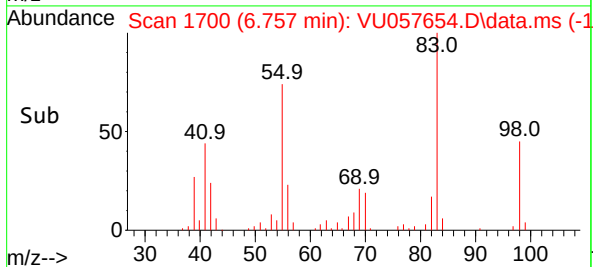
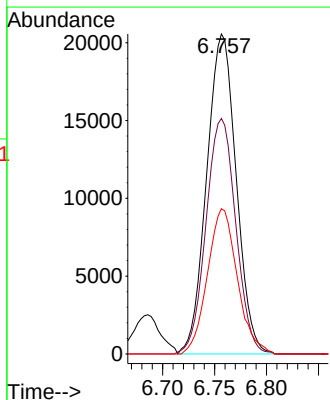
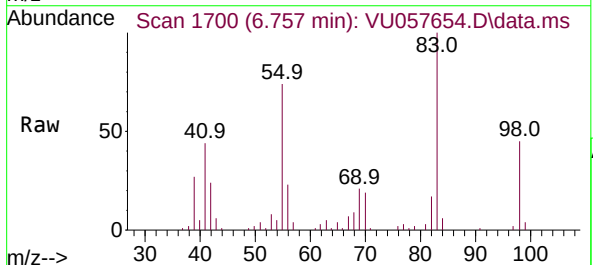


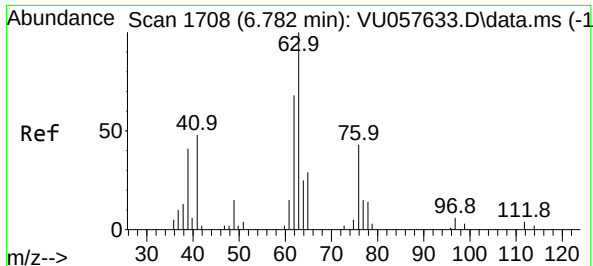
Tgt Ion: 95 Resp: 25693
Ion Ratio Lower Upper
95 100
97 63.9 46.1 85.5
132 93.0 66.1 122.8
130 96.9 68.7 127.5



#35
Methylcyclohexane
Concen: 5.297 ug/L
RT: 6.757 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VU057654.D
Acq: 25 Jan 2024 05:49

Tgt Ion: 83 Resp: 40689
Ion Ratio Lower Upper
83 100
55 74.1 61.4 92.0
98 45.9 38.2 57.4





#37

1,2-Dichloropropane

Concen: 5.677 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.004 min

Lab File: VU057654.D

Acq: 25 Jan 2024 05:49

Instrument :

MSVOA_U

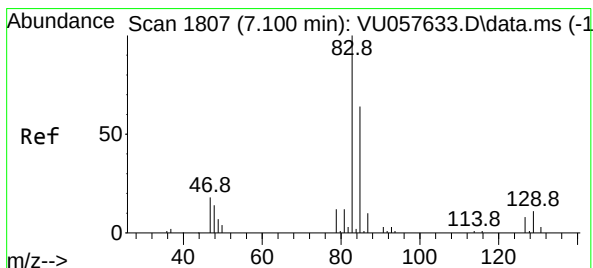
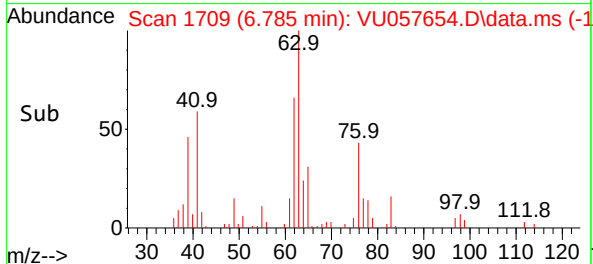
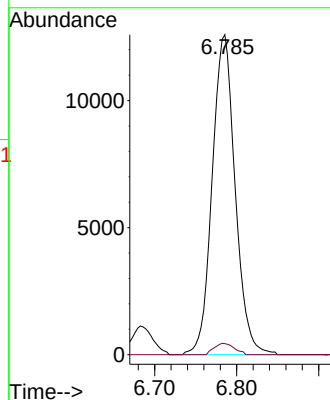
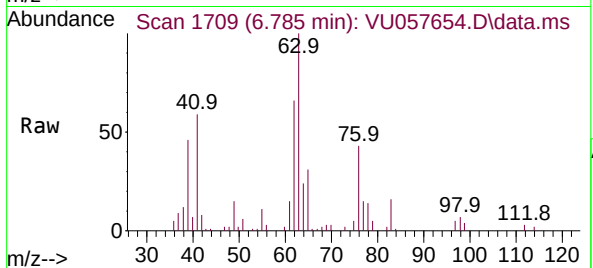
ClientSampleId :

Tgt Ion: 63 Resp: 24496

Ion Ratio Lower Upper

63 100

112 3.1 3.0 4.4



#38

Bromodichloromethane

Concen: 5.383 ug/L

RT: 7.101 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU057654.D

Acq: 25 Jan 2024 05:49

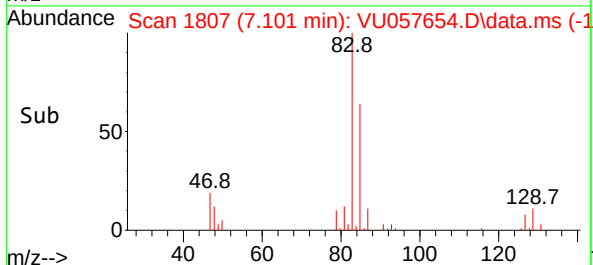
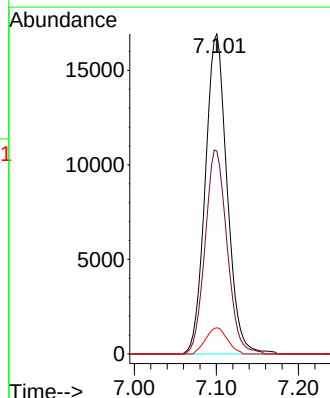
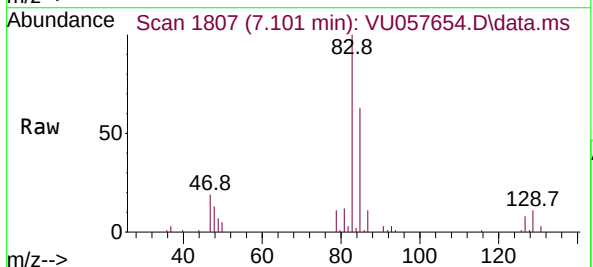
Tgt Ion: 83 Resp: 31258

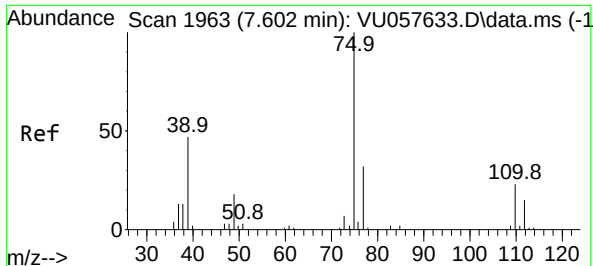
Ion Ratio Lower Upper

83 100

85 63.4 44.7 83.1

127 8.2 6.4 9.6

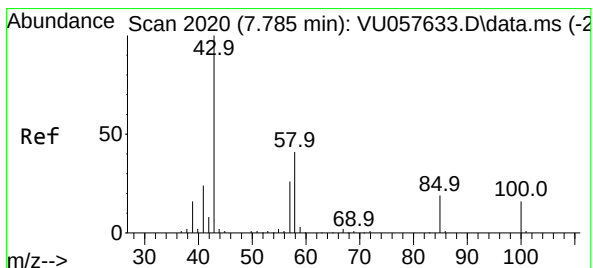
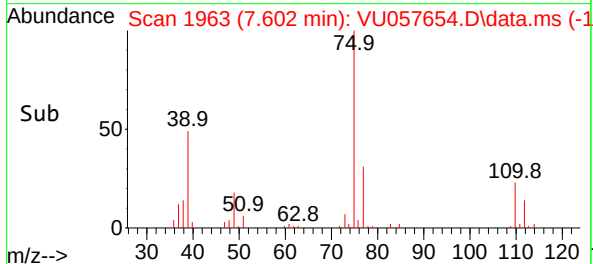
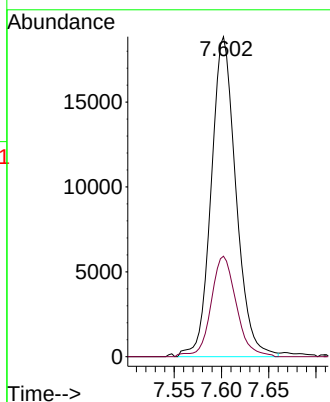
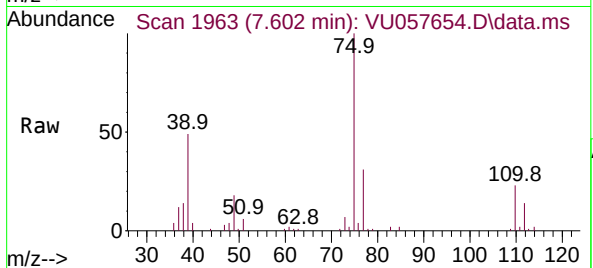




#39
 cis-1,3-Dichloropropene
 Concen: 5.121 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.000 min
 Lab File: VU057654.D
 Acq: 25 Jan 2024 05:49

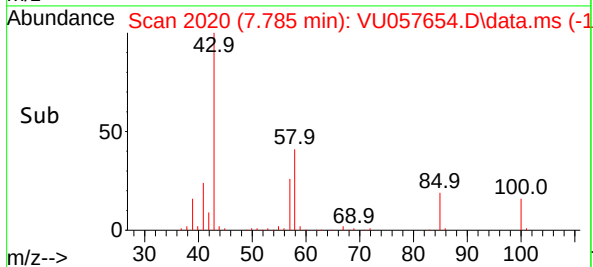
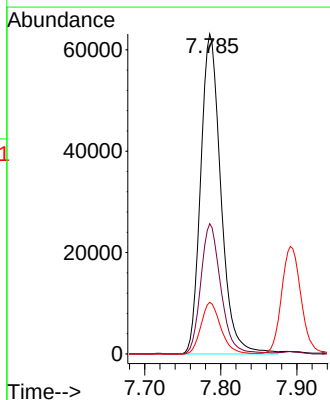
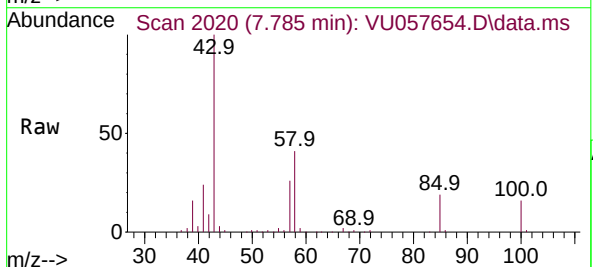
Instrument :
 MSVOA_U
 ClientSampleId :

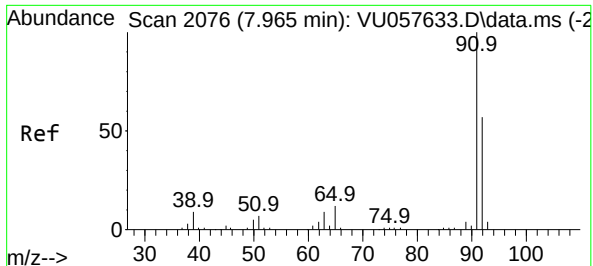
Tgt Ion: 75 Resp: 34348
 Ion Ratio Lower Upper
 75 100
 77 31.4 22.9 42.5



#40
 4-Methyl-2-pentanone
 Concen: 56.640 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. 0.000 min
 Lab File: VU057654.D
 Acq: 25 Jan 2024 05:49

Tgt Ion: 43 Resp: 116635
 Ion Ratio Lower Upper
 43 100
 58 40.4 32.3 48.5
 100 15.8 12.6 18.8





#42

Toluene

Concen: 5.555 ug/L

RT: 7.962 min Scan# 2076

Delta R.T. -0.003 min

Lab File: VU057654.D

Acq: 25 Jan 2024 05:49

Instrument :

MSVOA_U

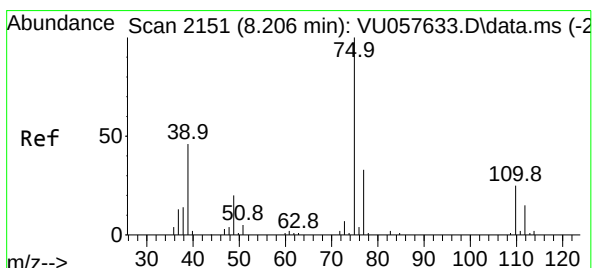
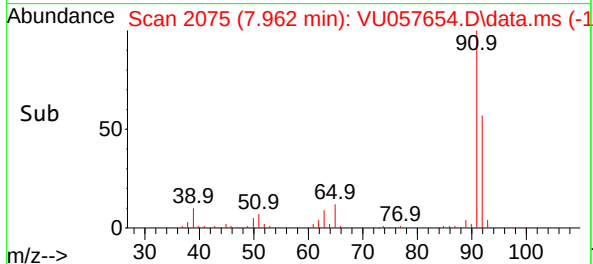
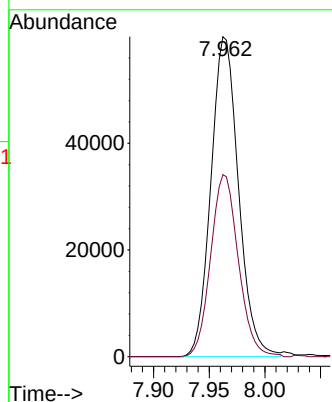
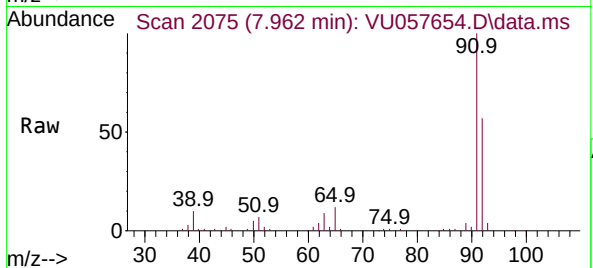
ClientSampleId :

Tgt Ion: 91 Resp: 103324

Ion Ratio Lower Upper

91 100

92 56.9 39.7 73.7



#44

trans-1,3-Dichloropropene

Concen: 5.189 ug/L

RT: 8.207 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU057654.D

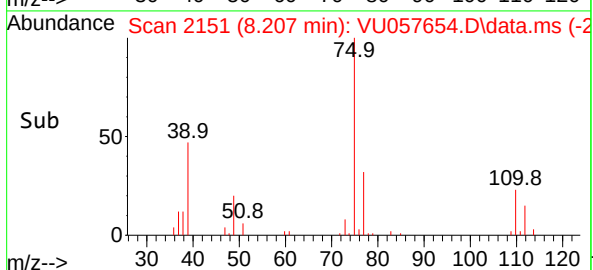
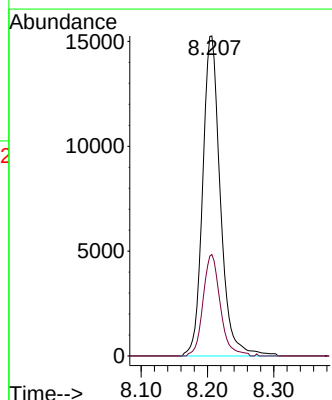
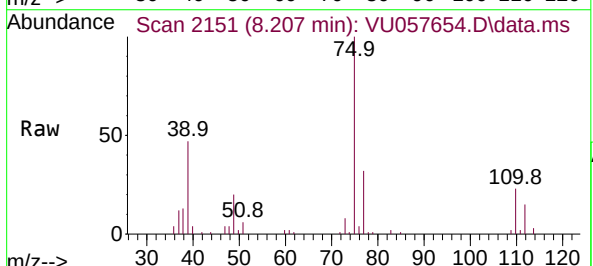
Acq: 25 Jan 2024 05:49

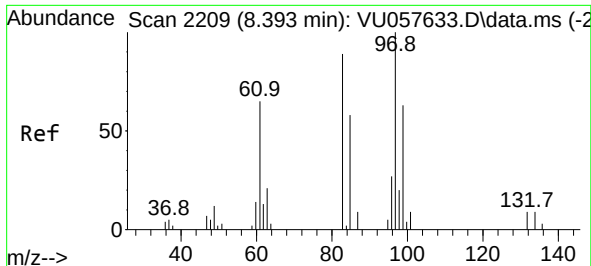
Tgt Ion: 75 Resp: 28283

Ion Ratio Lower Upper

75 100

77 31.7 21.3 39.6





#45

1,1,2-Trichloroethane

Concen: 5.690 ug/L

RT: 8.393 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU057654.D

Acq: 25 Jan 2024 05:49

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 97 Resp: 15970

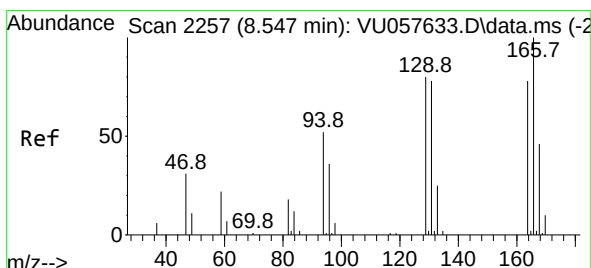
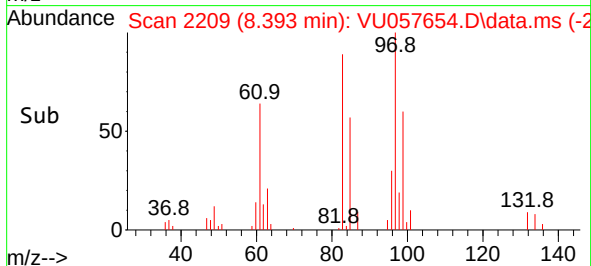
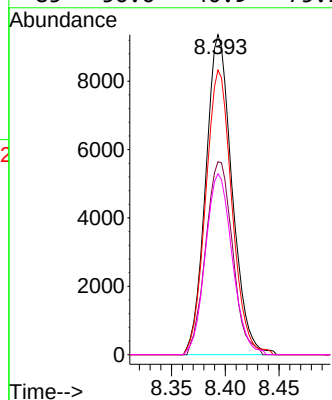
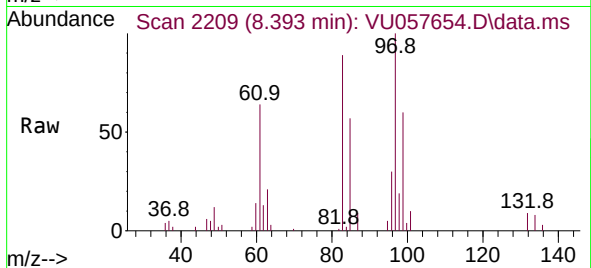
Ion Ratio Lower Upper

97 100

99 60.3 45.1 83.7

83 89.0 62.3 115.7

85 56.6 40.9 75.9



#47

Tetrachloroethene

Concen: 5.318 ug/L

RT: 8.547 min Scan# 2257

Delta R.T. 0.000 min

Lab File: VU057654.D

Acq: 25 Jan 2024 05:49

Tgt Ion:164 Resp: 18585

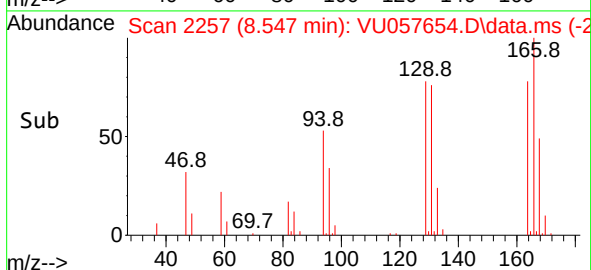
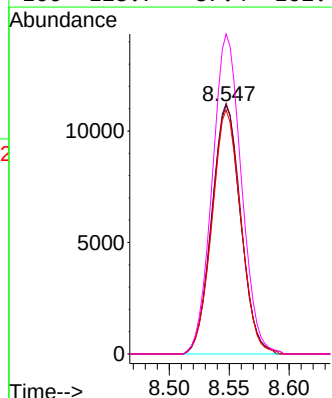
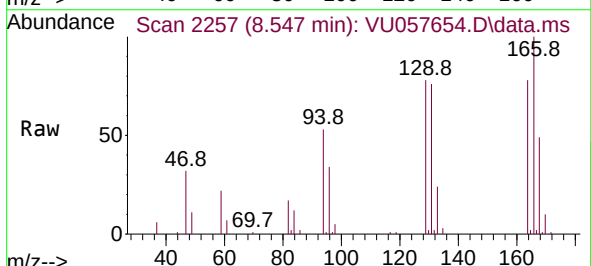
Ion Ratio Lower Upper

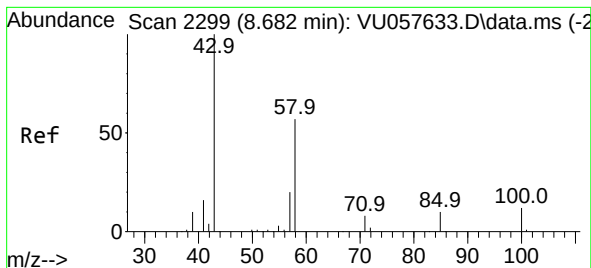
164 100

129 100.8 71.3 132.5

131 98.1 68.1 126.5

166 128.7 87.4 162.4





#48

2-Hexanone

Concen: 56.377 ug/L

RT: 8.679 min Scan# 21

Delta R.T. -0.003 min

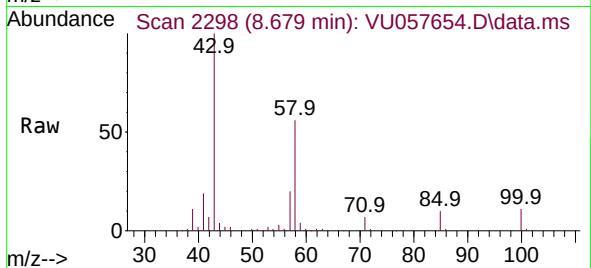
Lab File: VU057654.D

Acq: 25 Jan 2024 05:49

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 43 Resp: 81462

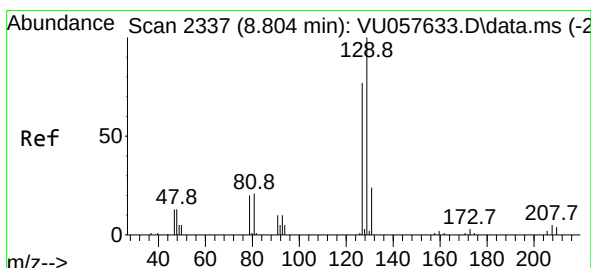
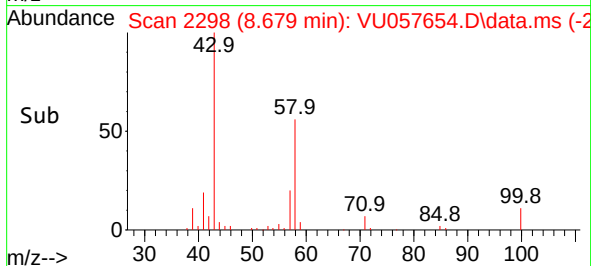
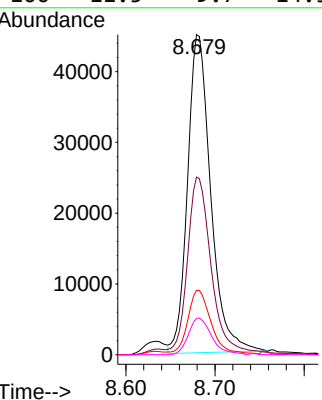
Ion	Ratio	Lower	Upper
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43	100		
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58	58.3	44.3	66.5
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57	20.5	15.5	23.3
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100	11.5	9.7	14.5
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#49

Dibromochloromethane

Concen: 5.382 ug/L

RT: 8.801 min Scan# 2336

Delta R.T. -0.003 min

Lab File: VU057654.D

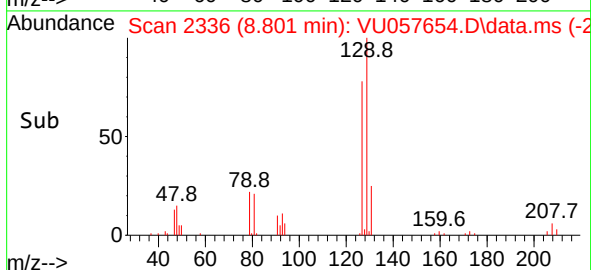
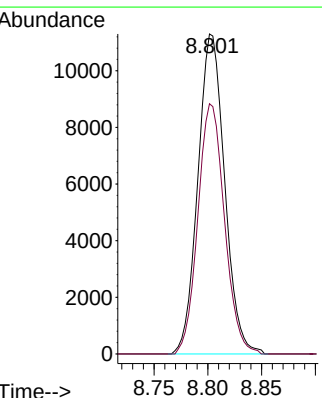
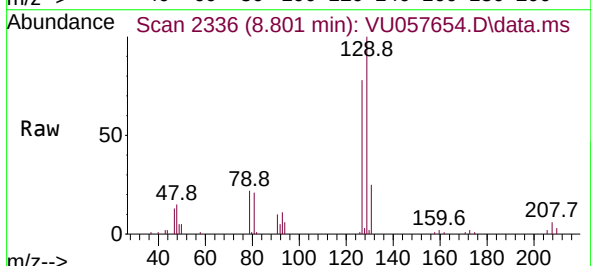
Acq: 25 Jan 2024 05:49

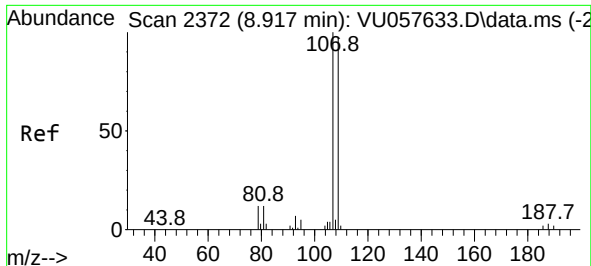
Tgt Ion: 129 Resp: 19563

Ion	Ratio	Lower	Upper
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129	100		
-----	-----	--	--

127	78.2	54.5	101.1
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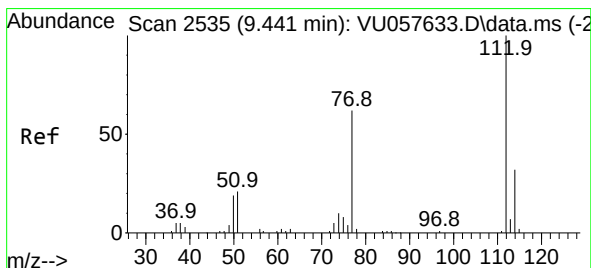
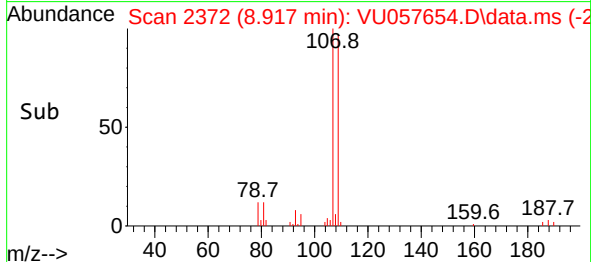
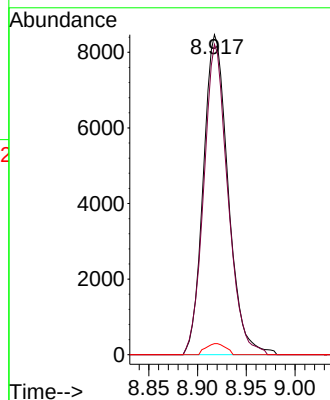
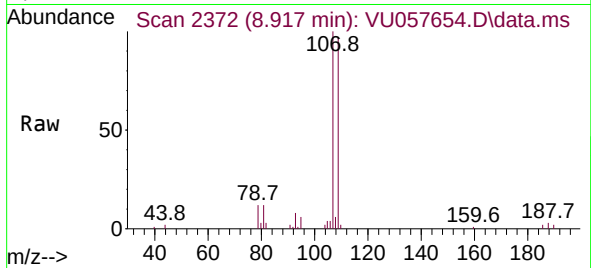




#50
1,2-Dibromoethane
Concen: 5.507 ug/L
RT: 8.917 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057654.D
Acq: 25 Jan 2024 05:49

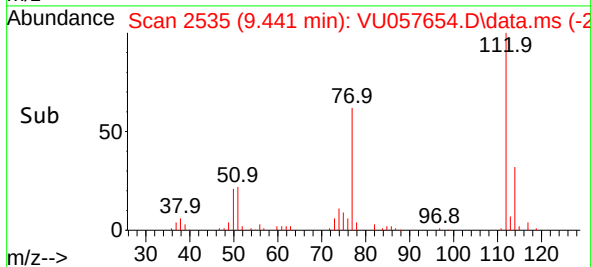
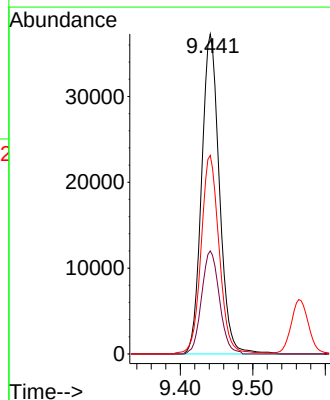
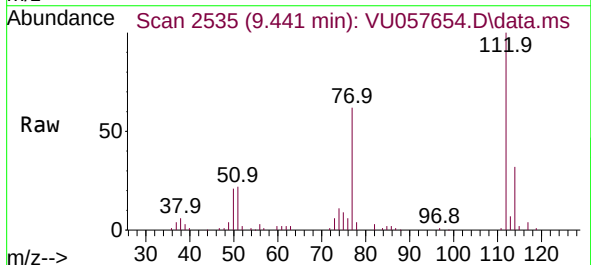
Instrument :
MSVOA_U
ClientSampleId :

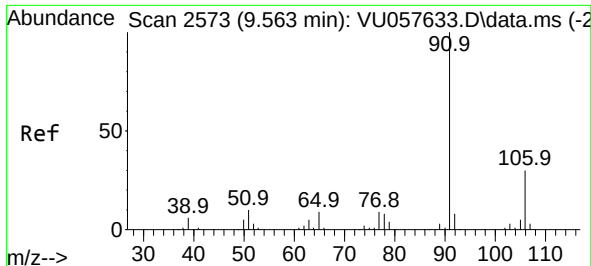
Tgt Ion:107 Resp: 15002
Ion Ratio Lower Upper
107 100
109 97.0 64.5 119.9
188 3.5 2.9 4.3



#51
Chlorobenzene
Concen: 5.445 ug/L
RT: 9.441 min Scan# 2535
Delta R.T. 0.000 min
Lab File: VU057654.D
Acq: 25 Jan 2024 05:49

Tgt Ion:112 Resp: 63518
Ion Ratio Lower Upper
112 100
114 32.2 22.0 40.8
77 62.0 49.2 73.8

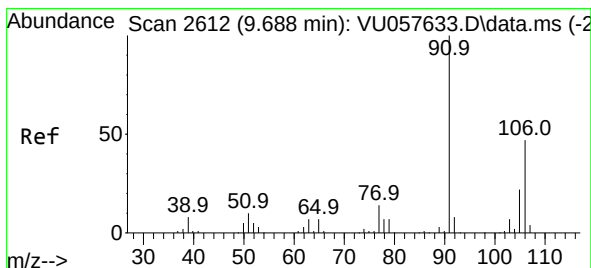
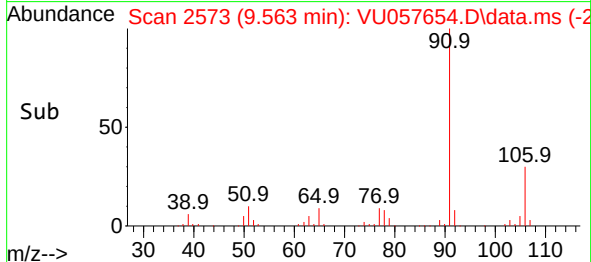
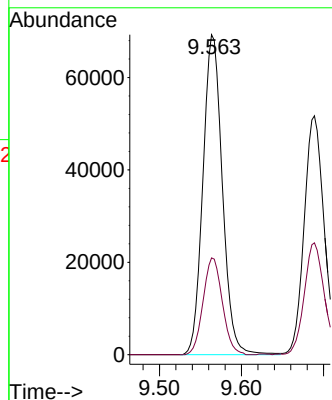
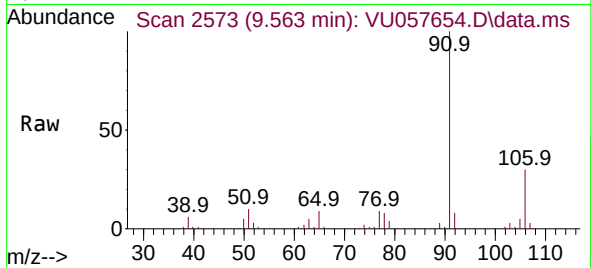




#52
Ethylbenzene
Concen: 5.441 ug/L
RT: 9.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU057654.D
Acq: 25 Jan 2024 05:49

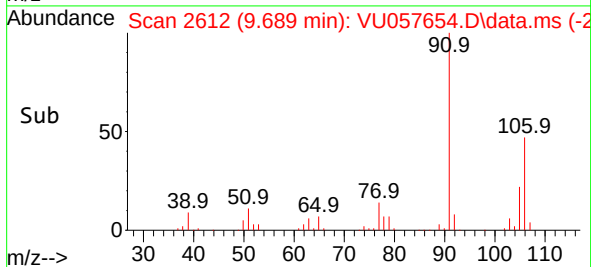
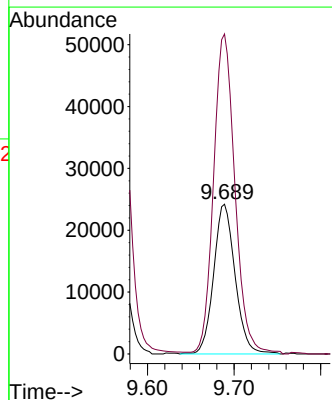
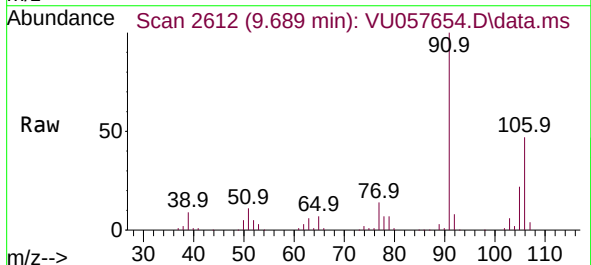
Instrument :
MSVOA_U
ClientSampleId :

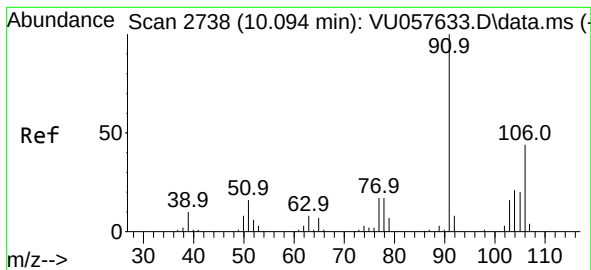
Tgt Ion: 91 Resp: 114029
Ion Ratio Lower Upper
91 100
106 30.2 21.3 39.5



#53
m,p-Xylene
Concen: 5.388 ug/L
RT: 9.689 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057654.D
Acq: 25 Jan 2024 05:49

Tgt Ion:106 Resp: 41669
Ion Ratio Lower Upper
106 100
91 213.7 146.9 272.9





#54

o-Xylene

Concen: 5.409 ug/L

RT: 10.094 min Scan# 2738

Delta R.T. 0.000 min

Lab File: VU057654.D

Acq: 25 Jan 2024 05:49

Instrument :

MSVOA_U

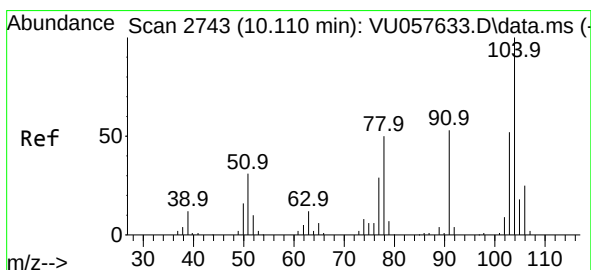
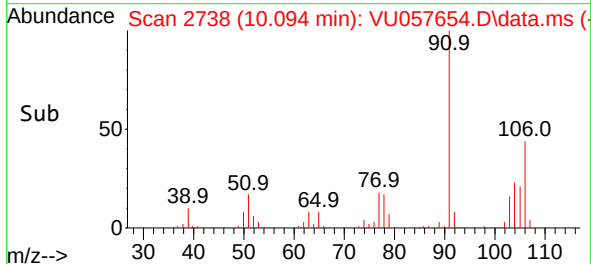
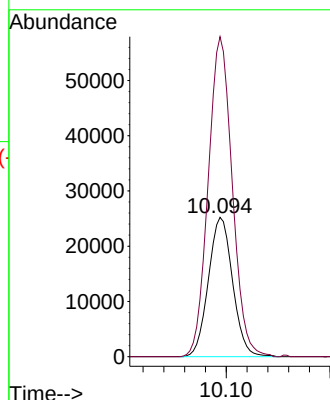
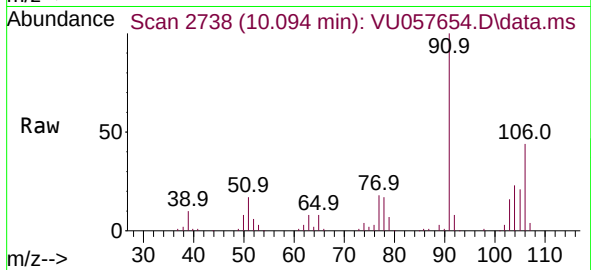
ClientSampleId :

Tgt Ion:106 Resp: 40776

Ion Ratio Lower Upper

106 100

91 229.7 158.1 293.5



#55

Styrene

Concen: 5.462 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU057654.D

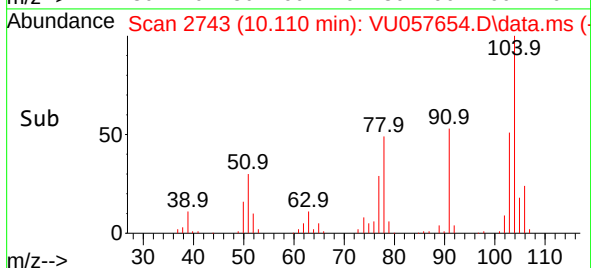
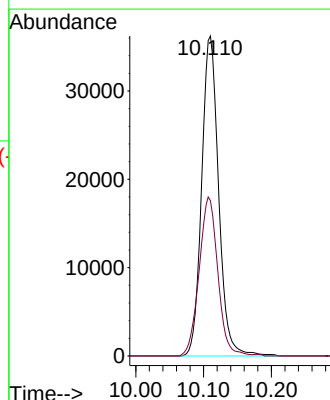
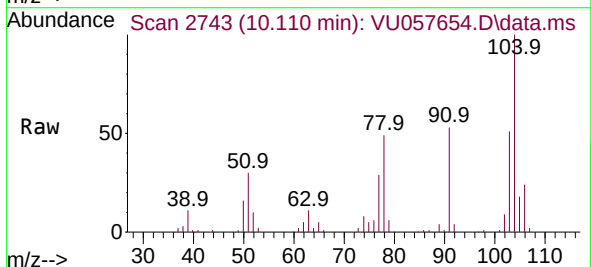
Acq: 25 Jan 2024 05:49

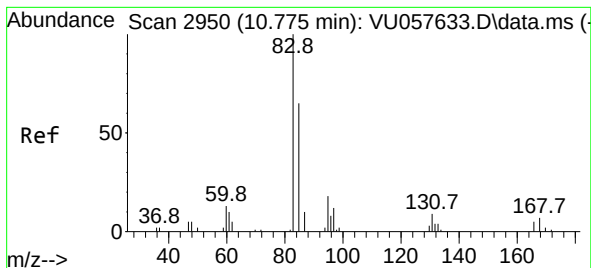
Tgt Ion:104 Resp: 62996

Ion Ratio Lower Upper

104 100

78 48.5 34.3 63.7





#57

1,1,2,2-Tetrachloroethane

Concen: 5.608 ug/L

RT: 10.776 min Scan# 2950

Delta R.T. 0.000 min

Lab File: VU057654.D

Acq: 25 Jan 2024 05:49

Instrument :

MSVOA_U

ClientSampleId :

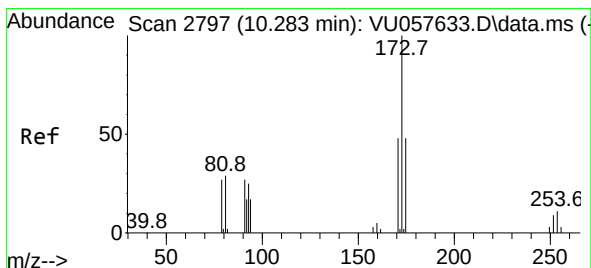
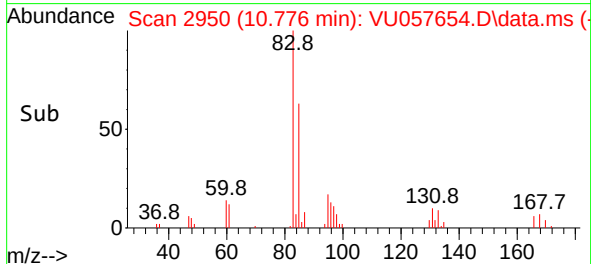
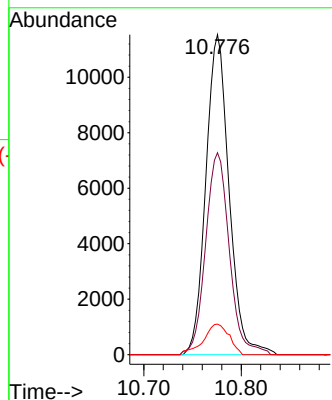
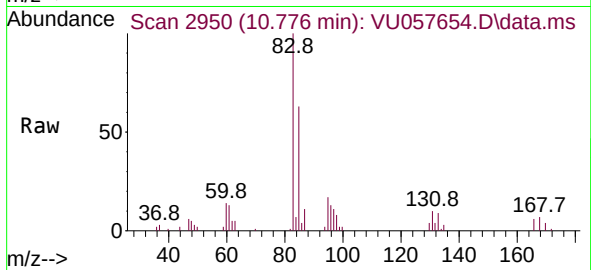
Tgt Ion: 83 Resp: 19098

Ion Ratio Lower Upper

83 100

85 63.1 44.4 82.5

131 9.6 8.3 12.5



#59

Bromoform

Concen: 5.138 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. 0.004 min

Lab File: VU057654.D

Acq: 25 Jan 2024 05:49

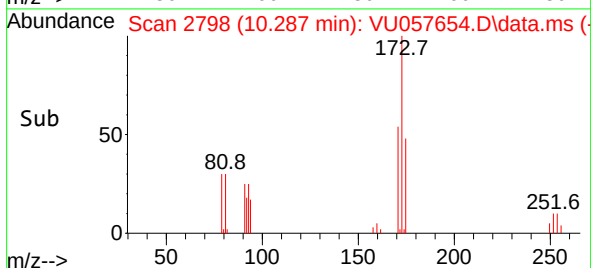
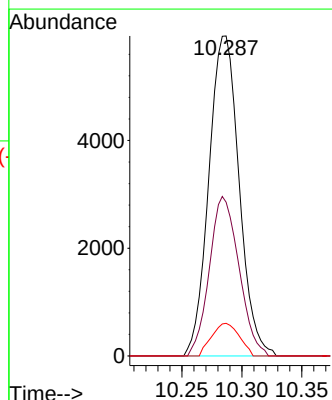
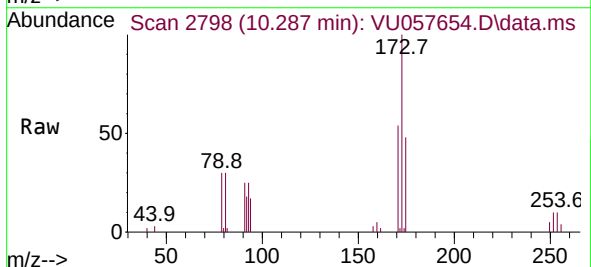
Tgt Ion: 173 Resp: 10434

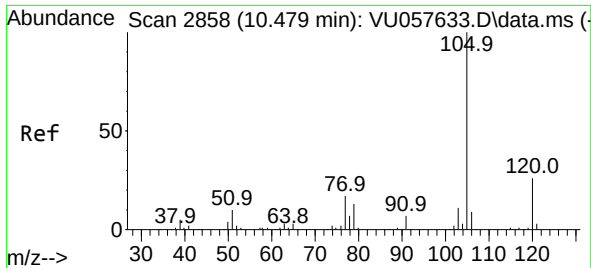
Ion Ratio Lower Upper

173 100

175 48.6 37.5 56.3

254 9.3 7.2 10.8

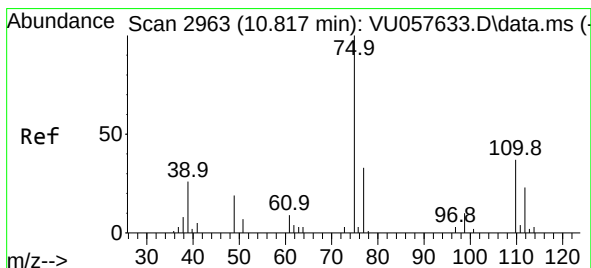
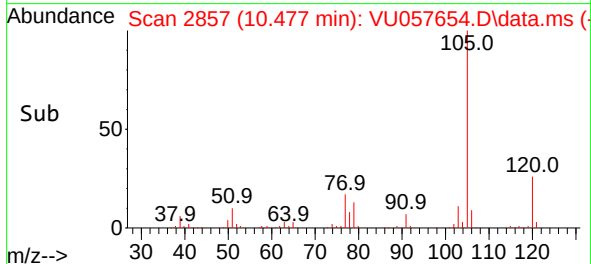
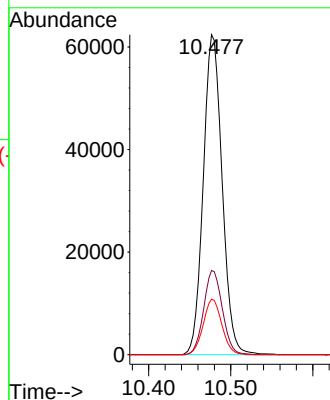
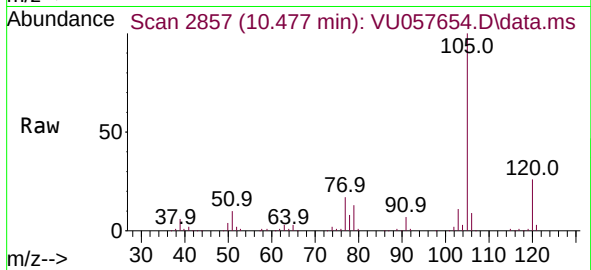




#60
Isopropylbenzene
Concen: 5.088 ug/L
RT: 10.477 min Scan# 2857
Delta R.T. -0.003 min
Lab File: VU057654.D
Acq: 25 Jan 2024 05:49

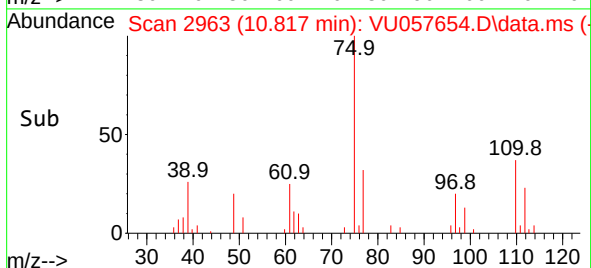
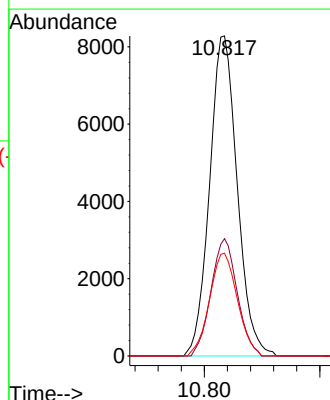
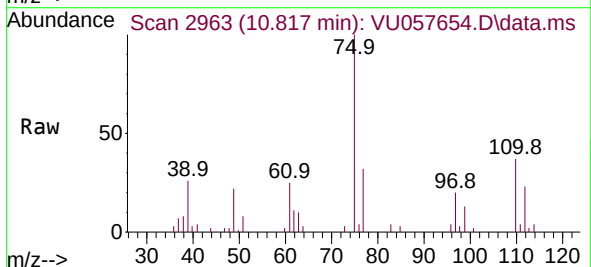
Instrument :
MSVOA_U
ClientSampleId :

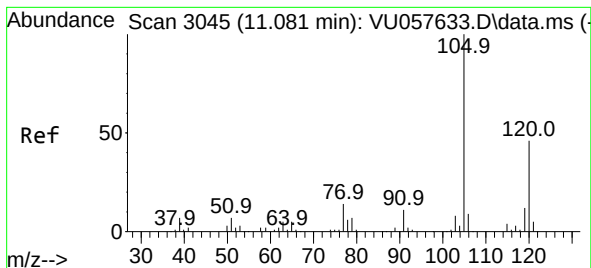
Tgt Ion:105 Resp: 99661
Ion Ratio Lower Upper
105 100
120 26.0 20.8 31.2
77 17.1 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 5.484 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. 0.000 min
Lab File: VU057654.D
Acq: 25 Jan 2024 05:49

Tgt Ion: 75 Resp: 13761
Ion Ratio Lower Upper
75 100
110 34.7 30.1 45.1
77 32.3 25.5 38.3





#62

1,3,5-Trimethylbenzene

Concen: 5.128 ug/L

RT: 11.081 min Scan# 3045

Delta R.T. 0.000 min

Lab File: VU057654.D

Acq: 25 Jan 2024 05:49

Instrument :

MSVOA_U

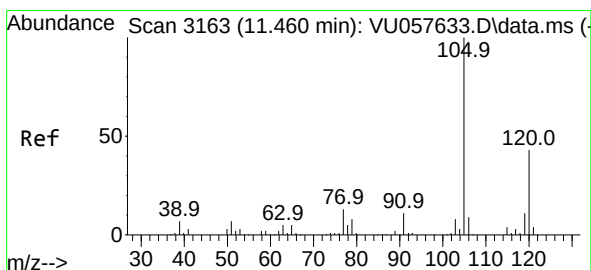
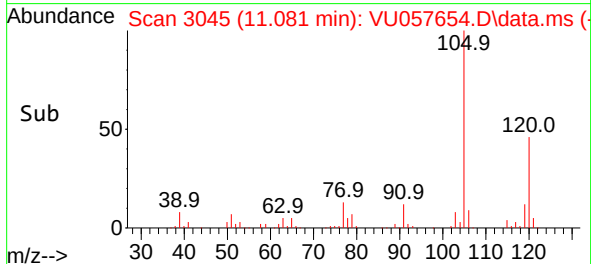
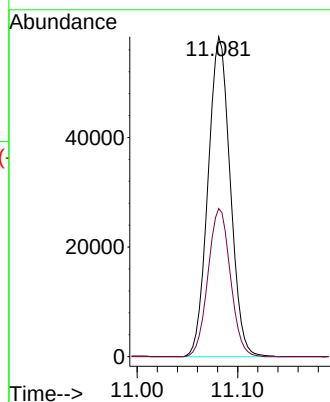
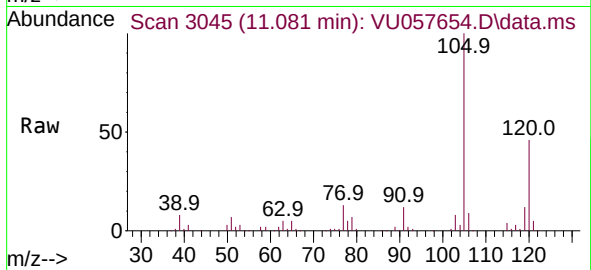
ClientSampleId :

Tgt Ion:105 Resp: 89521

Ion Ratio Lower Upper

105 100

120 46.7 36.9 55.3



#63

1,2,4-Trimethylbenzene

Concen: 5.173 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. 0.000 min

Lab File: VU057654.D

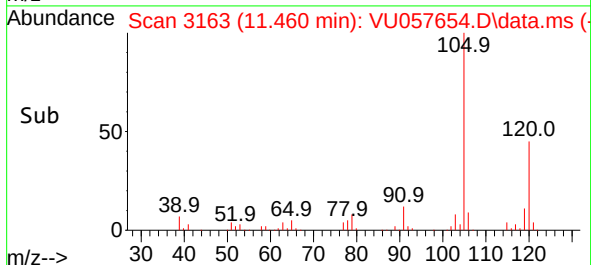
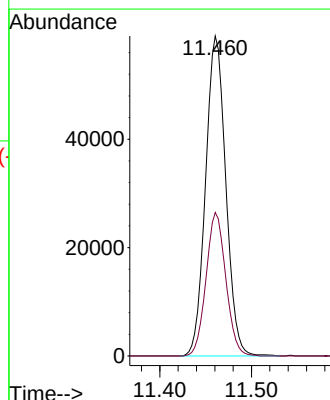
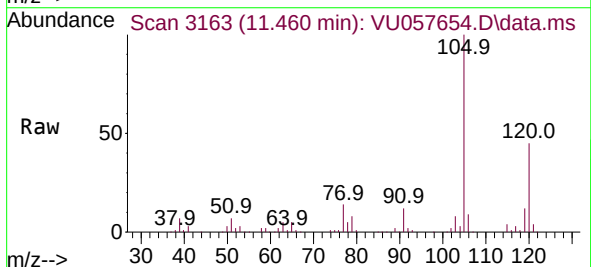
Acq: 25 Jan 2024 05:49

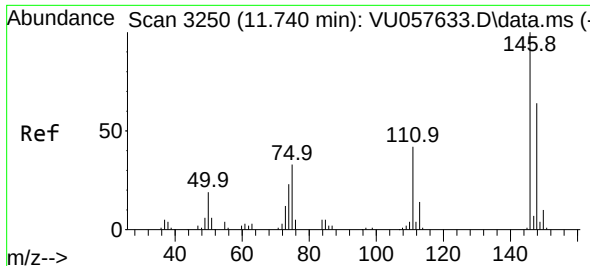
Tgt Ion:105 Resp: 90366

Ion Ratio Lower Upper

105 100

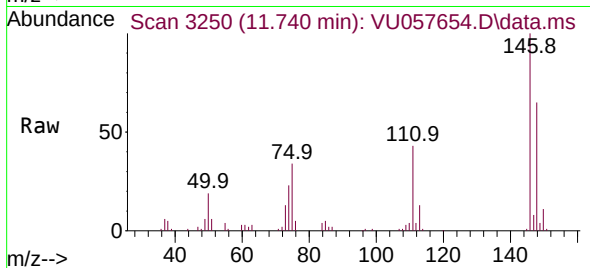
120 43.8 35.0 52.4



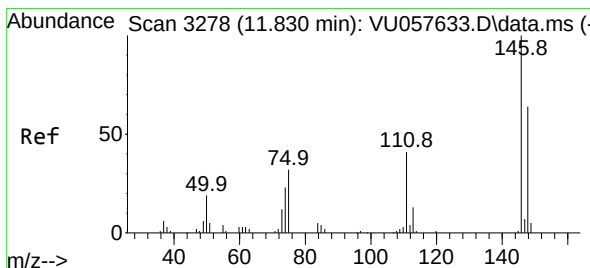
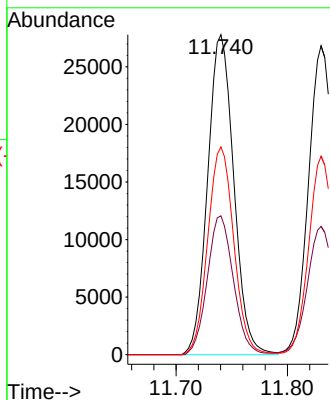
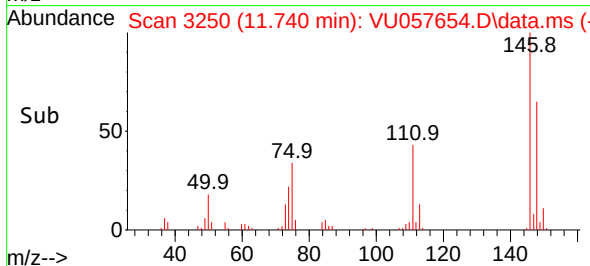


#64
1,3-Dichlorobenzene
Concen: 5.078 ug/L
RT: 11.740 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU057654.D
Acq: 25 Jan 2024 05:49

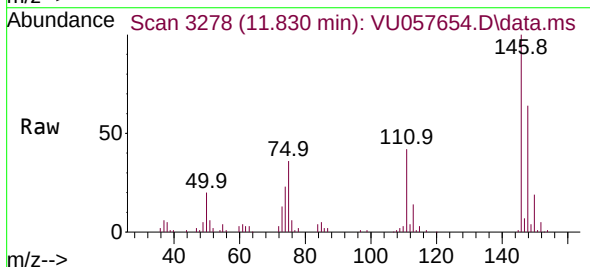
Instrument :
MSVOA_U
ClientSampleId :



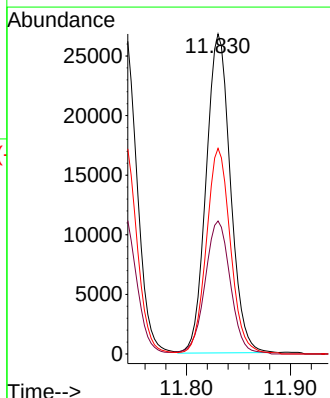
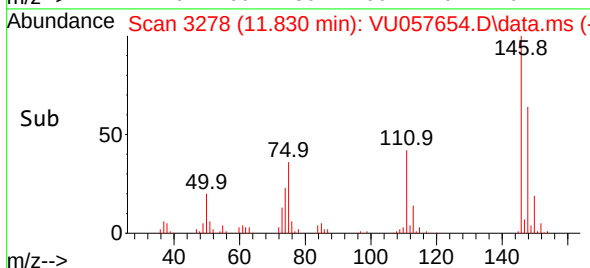
Tgt Ion:146 Resp: 45404
Ion Ratio Lower Upper
146 100
111 43.4 29.6 55.0
148 64.9 44.2 82.2

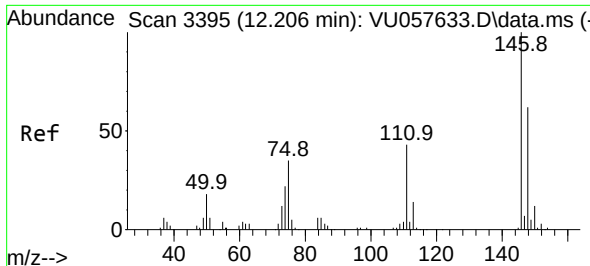


#65
1,4-Dichlorobenzene
Concen: 5.079 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU057654.D
Acq: 25 Jan 2024 05:49



Tgt Ion:146 Resp: 43469
Ion Ratio Lower Upper
146 100
111 41.5 29.5 54.7
148 64.2 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 5.227 ug/L

RT: 12.206 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU057654.D

Acq: 25 Jan 2024 05:49

Instrument :

MSVOA_U

ClientSampleId :

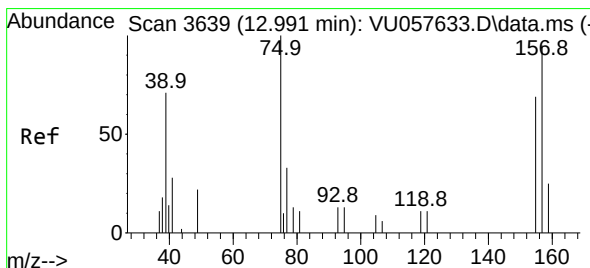
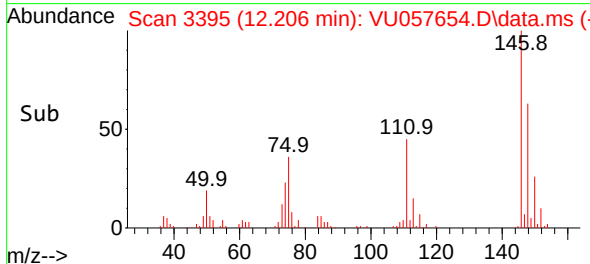
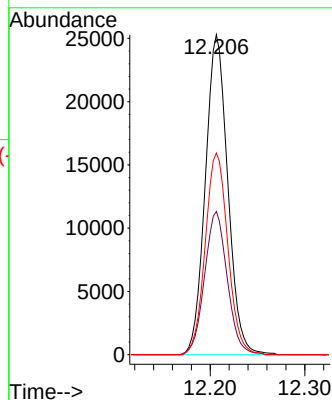
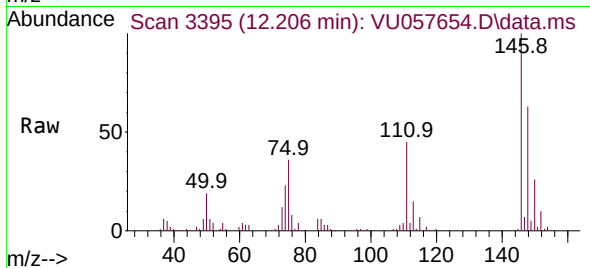
Tgt Ion:146 Resp: 41699

Ion Ratio Lower Upper

146 100

111 44.7 35.7 53.5

148 63.1 50.4 75.6



#68

1,2-Dibromo-3-chloropropane

Concen: 5.722 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU057654.D

Acq: 25 Jan 2024 05:49

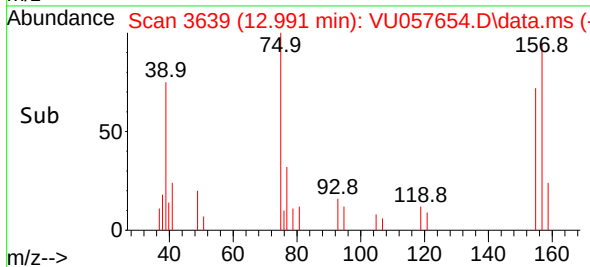
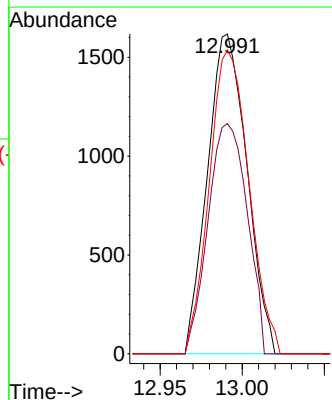
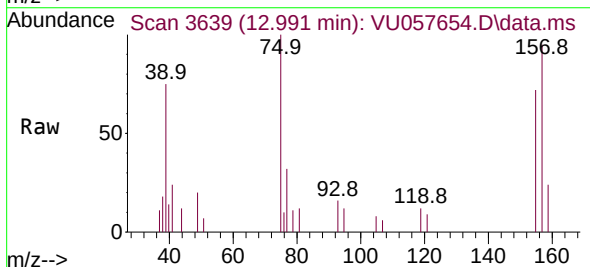
Tgt Ion: 75 Resp: 2703

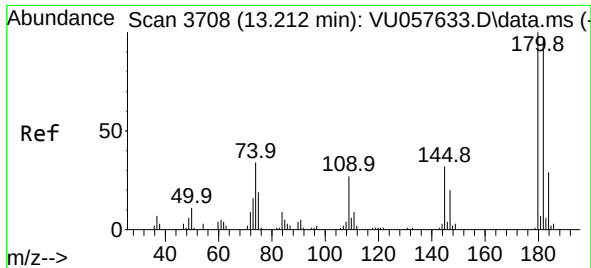
Ion Ratio Lower Upper

75 100

155 72.0 62.8 94.2

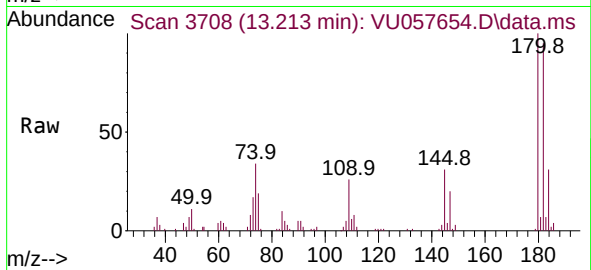
157 94.9 78.9 118.3



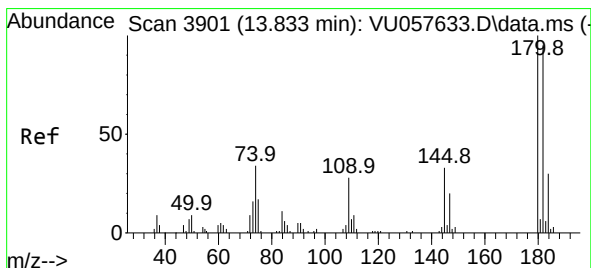
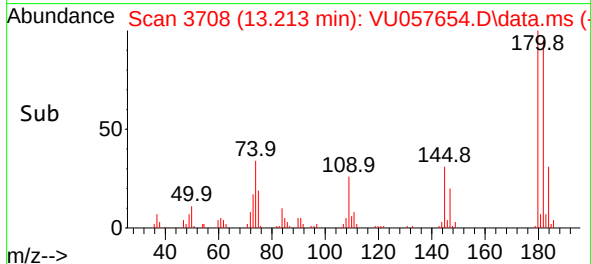
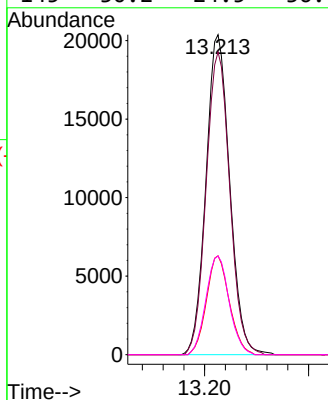


#69
 1,3,5-Trichlorobenzene
 Concen: 4.918 ug/L
 RT: 13.213 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU057654.D
 Acq: 25 Jan 2024 05:49

Instrument :
 MSVOA_U
 ClientSampleId :

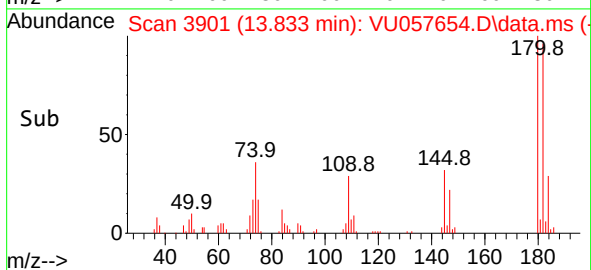
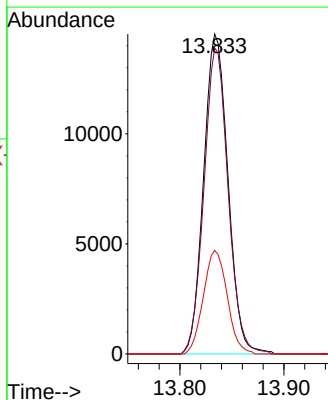
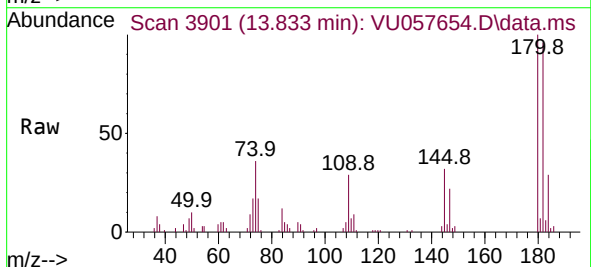


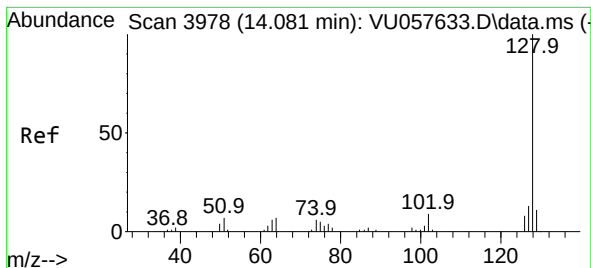
Tgt Ion:	180	Resp:	32275
Ion Ratio	Lower	Upper	
180	100		
182	94.1	75.4	113.2
184	29.8	24.1	36.1
145	30.2	24.5	36.7



#70
 1,2,4-trichlorobenzene
 Concen: 4.906 ug/L
 RT: 13.833 min Scan# 3901
 Delta R.T. 0.000 min
 Lab File: VU057654.D
 Acq: 25 Jan 2024 05:49

Tgt Ion:	180	Resp:	23585
Ion Ratio	Lower	Upper	
180	100		
182	95.0	74.9	112.3
145	31.7	25.4	38.2





#71

Naphthalene

Concen: 5.036 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU057654.D

Acq: 25 Jan 2024 05:49

Instrument :

MSVOA_U

ClientSampleId :

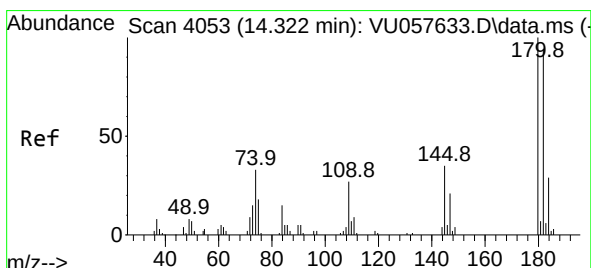
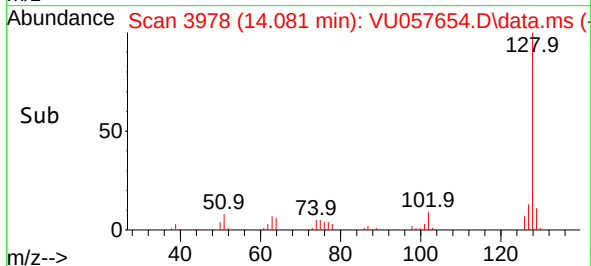
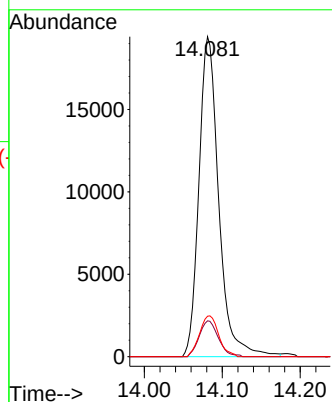
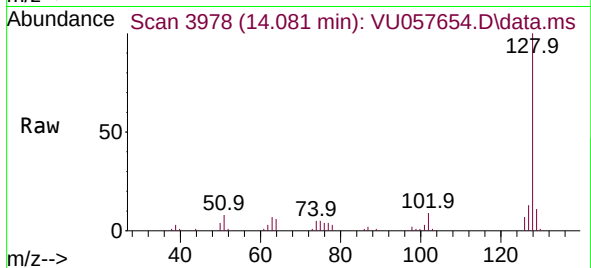
Tgt Ion:128 Resp: 34272

Ion Ratio Lower Upper

128 100

129 10.9 8.6 13.0

127 12.4 10.0 15.0



#72

1,2,3-Trichlorobenzene

Concen: 4.988 ug/L

RT: 14.322 min Scan# 4053

Delta R.T. 0.000 min

Lab File: VU057654.D

Acq: 25 Jan 2024 05:49

Tgt Ion:180 Resp: 18666

Ion Ratio Lower Upper

180 100

182 95.9 78.1 117.1

145 33.8 26.7 40.1

