

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021924\
 Data File : VU057877.D
 Acq On : 19 Feb 2024 10:40
 Operator : MD/SY
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 20 01:00:27 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Feb 19 16:46:35 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.238	114	208517	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	210471	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	120204	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	97555	58.452	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	= 116.900%	
7) Chloroethane-d5	1.872	69	36224	27.977	ug/L	-0.02
Spiked Amount	50.000	Range	70 - 130	Recovery	= 55.960%#	
11) 1,1-Dichloroethene-d2	2.550	63	162098	52.882	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 105.760%	
21) 2-Butanone-d5	4.611	46	91841	99.154	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	= 99.150%	
24) Chloroform-d	5.049	84	161313	54.486	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 108.980%	
26) 1,2-Dichloroethane-d4	5.689	65	103983	55.404	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 110.800%	
32) Benzene-d6	5.714	84	327469	51.502	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	= 103.000%	
36) 1,2-Dichloropropane-d6	6.682	67	104828	52.207	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	= 104.420%	
41) Toluene-d8	7.891	98	295765	51.309	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 102.620%	
43) trans-1,3-Dichloroprop...	8.174	79	50200	51.107	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	= 102.220%	
47) 2-Hexanone-d5	8.634	63	82647	100.839	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	= 100.840%	
56) 1,1,2,2-Tetrachloroeth...	10.753	84	142065	54.351	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	= 108.700%	
66) 1,2-Dichlorobenzene-d4	12.190	152	109097	47.241	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	= 94.480%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.377	85	68798	37.319	ug/L	100
3) Chloromethane	1.515	50	64570	37.451	ug/L	97
5) Vinyl chloride	1.599	62	72993	40.071	ug/L	95
6) Bromomethane	1.824	94	24258	21.648	ug/L	96
8) Chloroethane	1.895	64	37186	34.196	ug/L	98
9) Trichlorofluoromethane	2.110	101	121566	47.729	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.563	101	81754	54.382	ug/L	99
12) 1,1-Dichloroethene	2.563	96	61739	44.967	ug/L	92
13) Acetone	2.612	43	129525	108.852	ug/L	100
14) Carbon disulfide	2.776	76	93050	21.947	ug/L	99
15) Methyl Acetate	2.933	43	90969	60.092	ug/L	99
16) Methylene chloride	3.030	84	86071	54.259	ug/L	91
17) trans-1,2-Dichloroethene	3.338	96	63375	45.297	ug/L	96
18) Methyl tert-butyl Ether	3.348	73	314304	63.996	ug/L	99
19) 1,1-Dichloroethane	3.849	63	173266	61.710	ug/L	98
20) cis-1,2-Dichloroethene	4.650	96	92063	57.007	ug/L	97
22) 2-Butanone	4.689	43	151589	119.543	ug/L	98
23) Bromochloromethane	4.959	128	44183	55.806	ug/L	97
25) Chloroform	5.074	83	179793	62.528	ug/L	98

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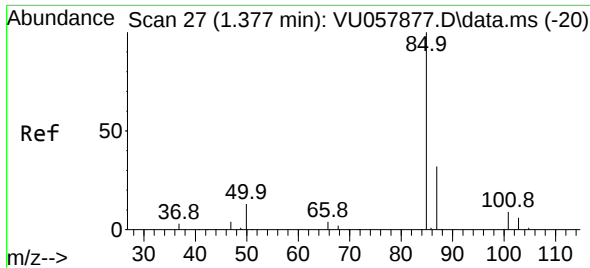
Quant Time: Feb 20 01:00:27 2024
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 Quant Title : VOC Analysis
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	139764	58.696	ug/L	99
29) Cyclohexane	5.373	56	107942	39.413	ug/L	94
30) 1,1,1-Trichloroethane	5.303	97	144207	53.120	ug/L	99
31) Carbon tetrachloride	5.512	117	118678	50.210	ug/L	100
33) Benzene	5.763	78	340193	51.060	ug/L	100
34) Trichloroethene	6.534	95	89751	50.097	ug/L	97
35) Methylcyclohexane	6.753	83	113549	39.617	ug/L	96
37) 1,2-Dichloropropane	6.782	63	108128	59.194	ug/L	99
38) Bromodichloromethane	7.097	83	138358	60.158	ug/L	98
39) cis-1,3-Dichloropropene	7.598	75	168906	57.047	ug/L	100
40) 4-Methyl-2-pentanone	7.788	43	300708	132.247	ug/L	98
42) Toluene	7.962	91	366503	52.522	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	163754	60.243	ug/L	99
45) 1,1,2-Trichloroethane	8.393	97	104245	61.803	ug/L	98
46) Tetrachloroethene	8.547	164	60310	48.534	ug/L	95
48) 2-Hexanone	8.685	43	250856	126.818	ug/L	98
49) Dibromochloromethane	8.804	129	108582	63.828	ug/L	100
50) 1,2-Dibromoethane	8.917	107	101304	56.213	ug/L	99
51) Chlorobenzene	9.441	112	258560	58.343	ug/L	97
52) Ethylbenzene	9.563	91	450284	56.885	ug/L	99
53) m,p-Xylene	9.688	106	167214	57.480	ug/L	95
54) o-Xylene	10.097	106	171125	60.411	ug/L	100
55) Styrene	10.113	104	300633	63.577	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.778	83	188705	69.421	ug/L	98
59) Bromoform	10.290	173	81550	58.403	ug/L #	97
60) 1,2,3-Trichloropropane	10.820	75	144473	57.417	ug/L	99
61) Isopropylbenzene	10.479	105	481908	54.879	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	416656	56.541	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	430296	58.341	ug/L	98
64) 1,3-Dichlorobenzene	11.743	146	220203	57.875	ug/L	98
65) 1,4-Dichlorobenzene	11.833	146	221629	56.790	ug/L	99
67) 1,2-Dichlorobenzene	12.209	146	219026	57.104	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.991	75	34604	54.220	ug/L	95
69) 1,3,5-Trichlorobenzene	13.216	180	153224	57.178	ug/L	99
70) 1,2,4-trichlorobenzene	13.836	180	128430	56.104	ug/L	100
71) Naphthalene	14.081	128	333677	54.375	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	117187	54.710	ug/L	99

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

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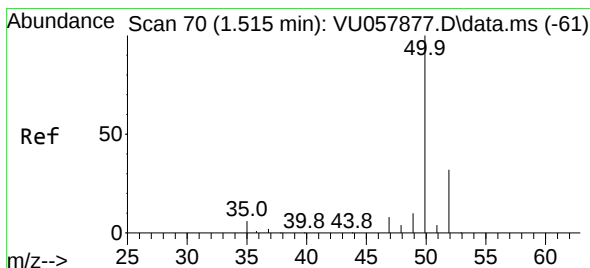
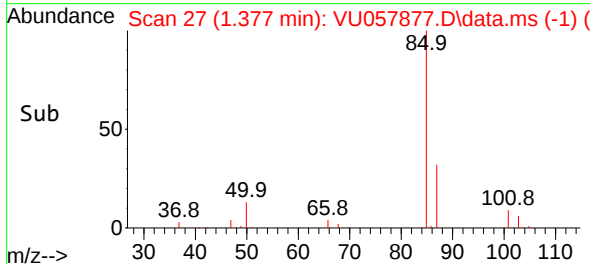
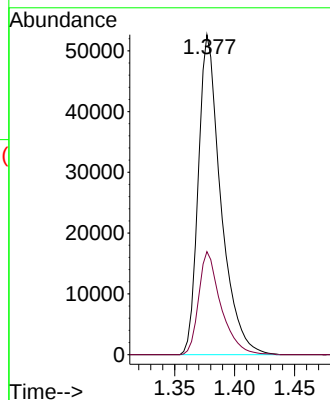
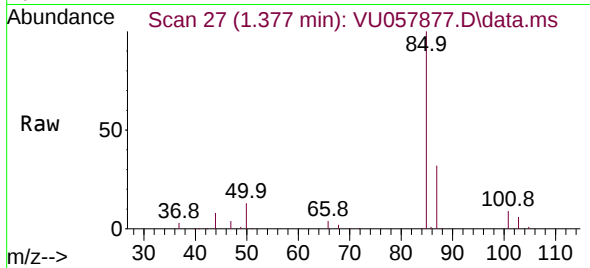




#2
 Dichlorodifluoromethane
 Concen: 37.319 ug/L
 RT: 1.377 min Scan# 21
 Delta R.T. -0.003 min
 Lab File: VU057877.D
 Acq: 19 Feb 2024 10:40

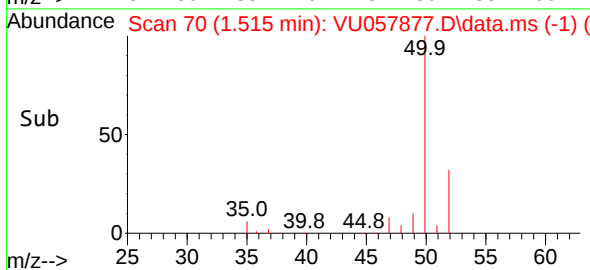
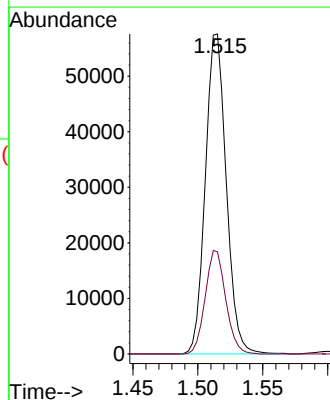
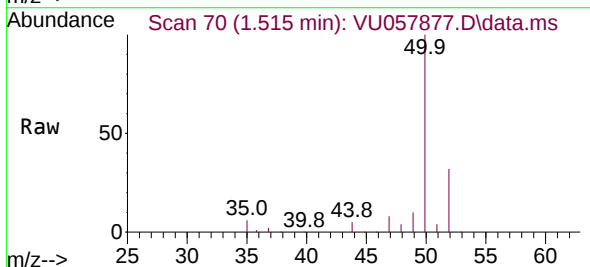
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 MSVOA_U
 ClientSampleId :

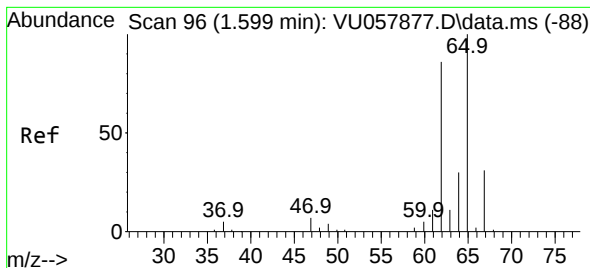
Tgt Ion: 85 Resp: 68798
 Ion Ratio Lower Upper
 85 100
 87 31.8 25.4 38.0



#3
 Chloromethane
 Concen: 37.451 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VU057877.D
 Acq: 19 Feb 2024 10:40

Tgt Ion: 50 Resp: 64570
 Ion Ratio Lower Upper
 50 100
 52 31.9 23.7 43.9





#5

Vinyl chloride

Concen: 40.071 ug/L

RT: 1.599 min Scan# 96

Delta R.T. -0.003 min

Lab File: VU057877.D

Acq: 19 Feb 2024 10:40

Instrument :

MSVOA_U

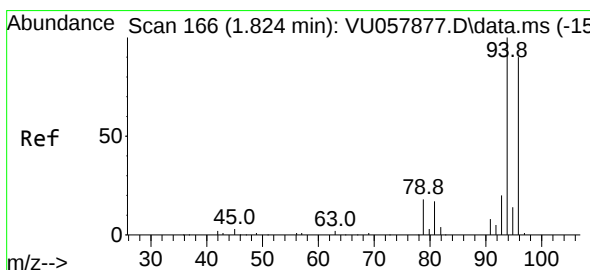
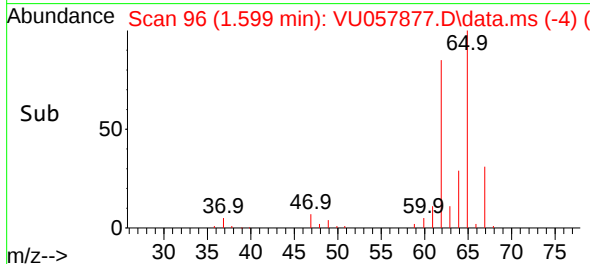
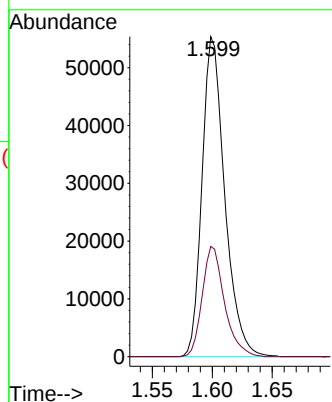
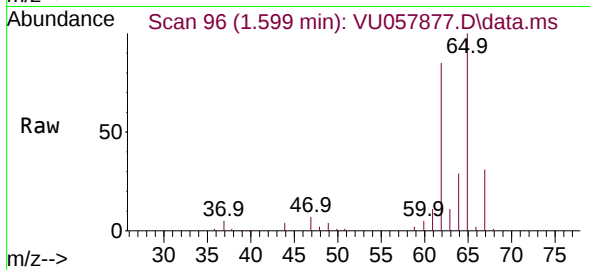
ClientSampleId :

Tgt Ion: 62 Resp: 72993

Ion Ratio Lower Upper

62 100

64 34.4 22.1 41.1



#6

Bromomethane

Concen: 21.648 ug/L

RT: 1.824 min Scan# 166

Delta R.T. -0.003 min

Lab File: VU057877.D

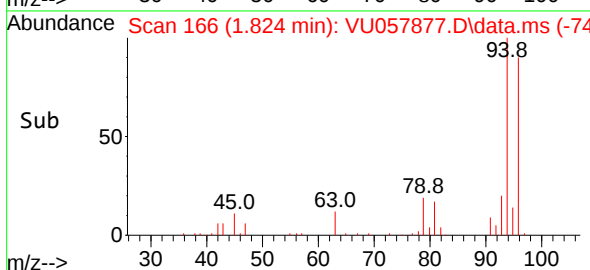
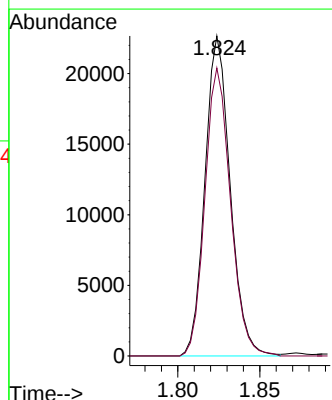
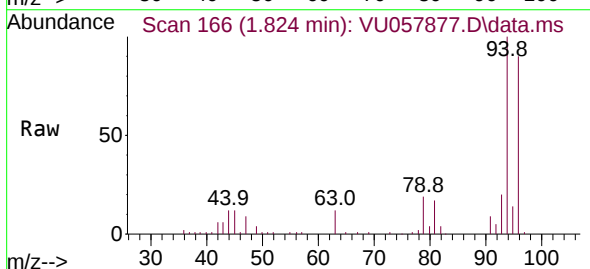
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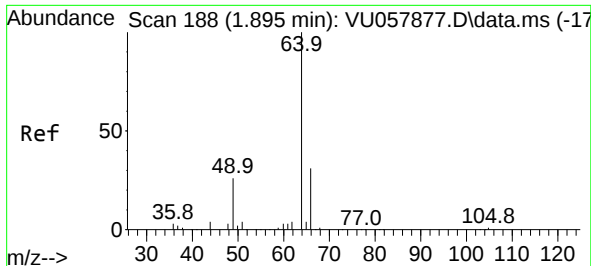
Tgt Ion: 94 Resp: 24258

Ion Ratio Lower Upper

94 100

96 90.0 66.0 122.6

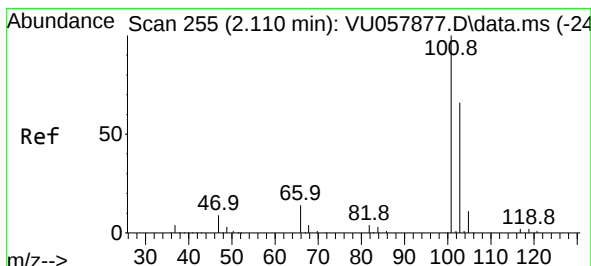
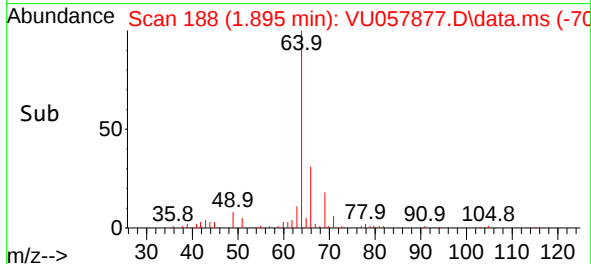
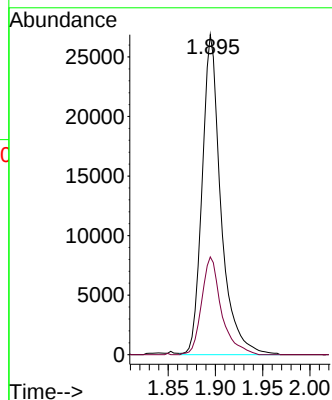
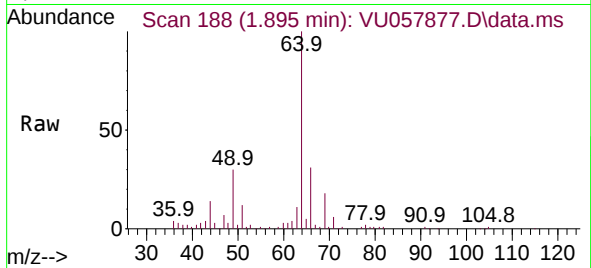




#8
Chloroethane
Concen: 34.196 ug/L
RT: 1.895 min Scan# 188
Delta R.T. -0.019 min
Lab File: VU057877.D
Acq: 19 Feb 2024 10:40

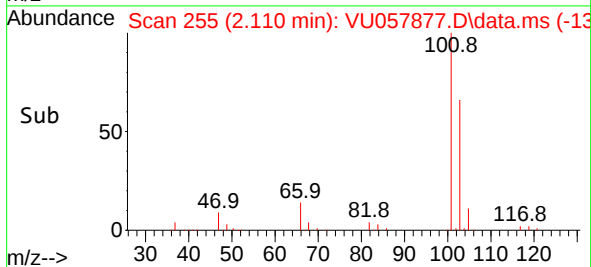
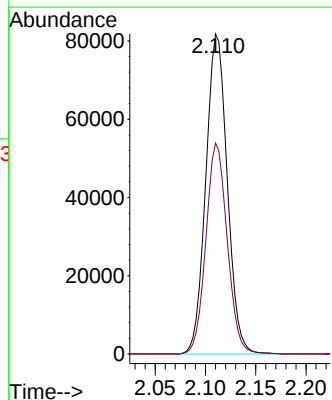
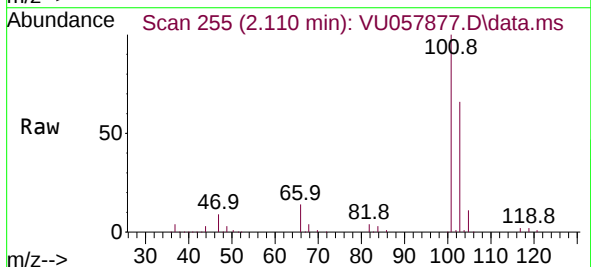
Instrument :
MSVOA_U
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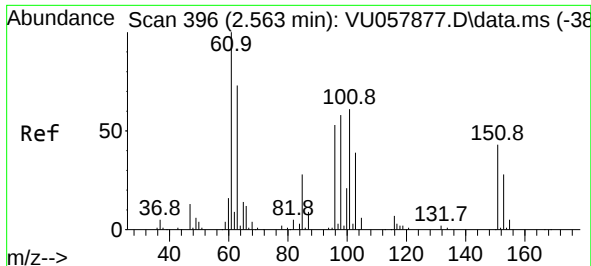
Tgt Ion: 64 Resp: 37186
Ion Ratio Lower Upper
64 100
66 30.6 22.1 41.1



#9
Trichlorofluoromethane
Concen: 47.729 ug/L
RT: 2.110 min Scan# 255
Delta R.T. -0.016 min
Lab File: VU057877.D
Acq: 19 Feb 2024 10:40

Tgt Ion:101 Resp: 121566
Ion Ratio Lower Upper
101 100
103 65.4 52.4 78.6

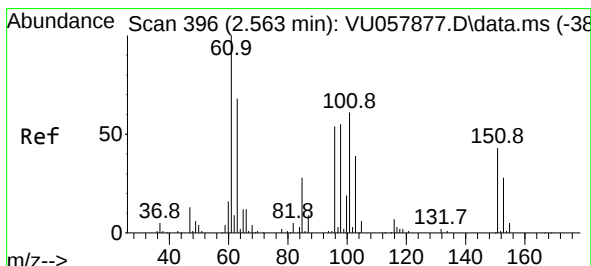
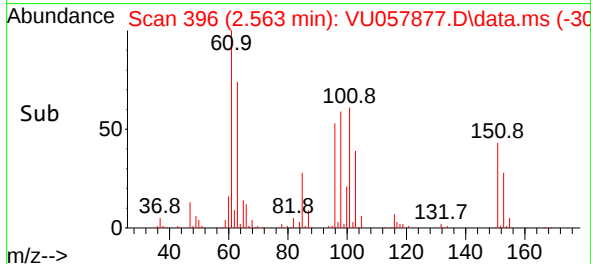
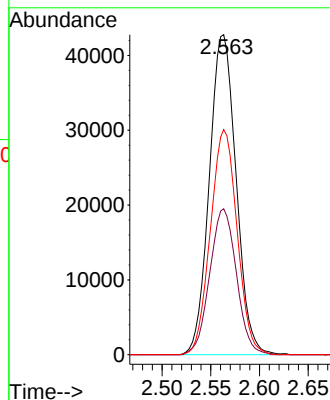
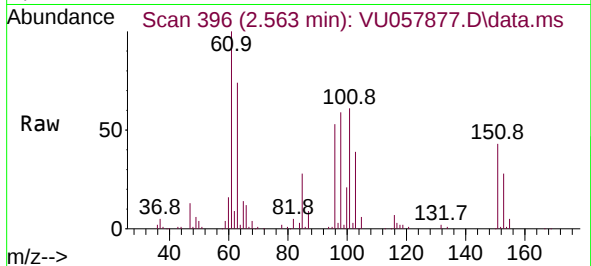




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 54.382 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.006 min
 Lab File: VU057877.D
 Acq: 19 Feb 2024 10:40

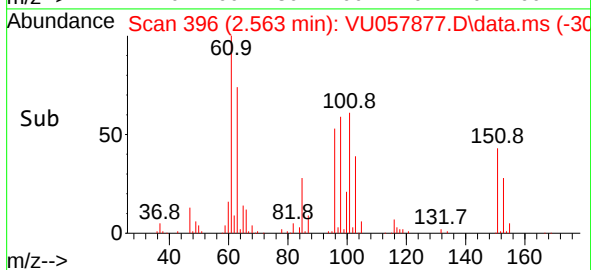
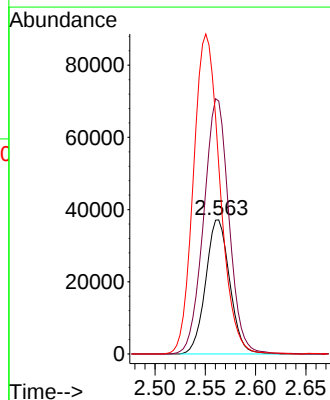
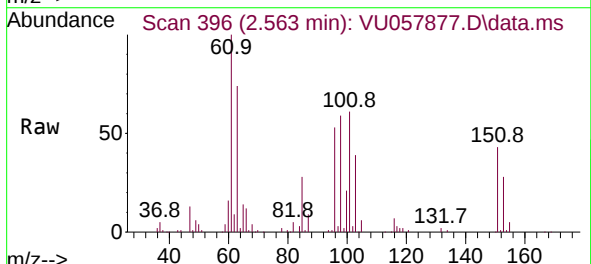
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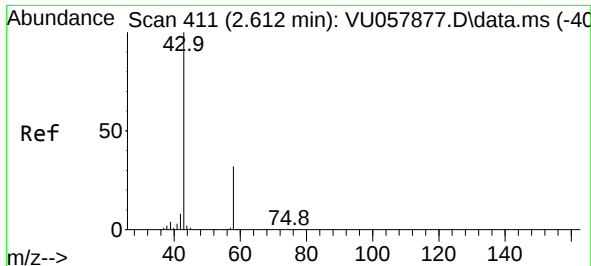
Tgt Ion:101 Resp: 81754
 Ion Ratio Lower Upper
 101 100
 85 45.5 36.1 54.1
 151 70.1 55.8 83.6



#12
 1,1-Dichloroethene
 Concen: 44.967 ug/L
 RT: 2.563 min Scan# 396
 Delta R.T. -0.006 min
 Lab File: VU057877.D
 Acq: 19 Feb 2024 10:40

Tgt Ion: 96 Resp: 61739
 Ion Ratio Lower Upper
 96 100
 61 188.6 126.3 234.6
 63 140.5 89.7 166.7





#13

Acetone

Concen: 108.852 ug/L

RT: 2.612 min Scan# 411

Delta R.T. 0.000 min

Lab File: VU057877.D

Acq: 19 Feb 2024 10:40

Instrument :

MSVOA_U

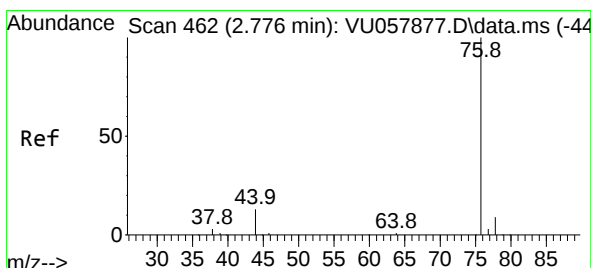
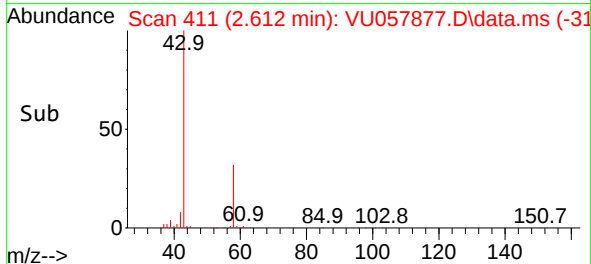
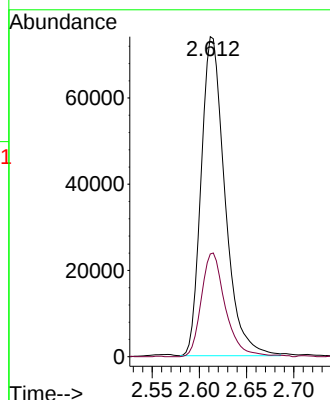
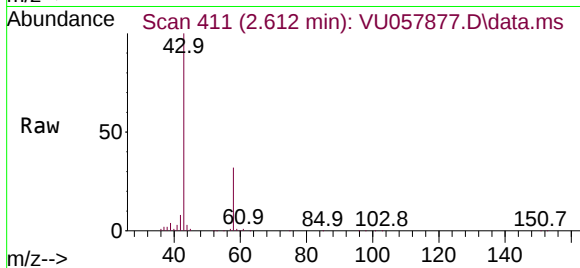
ClientSampleId :

Tgt Ion: 43 Resp: 129525

Ion Ratio Lower Upper

43 100

58 32.7 0.0 65.8



#14

Carbon disulfide

Concen: 21.947 ug/L

RT: 2.776 min Scan# 462

Delta R.T. -0.006 min

Lab File: VU057877.D

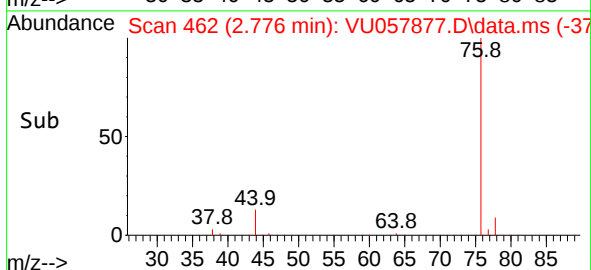
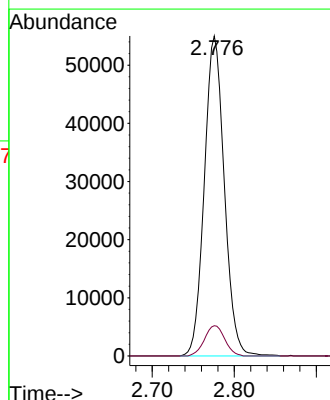
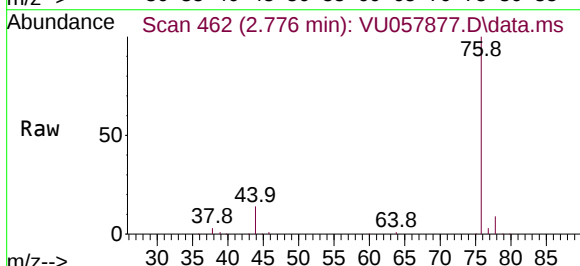
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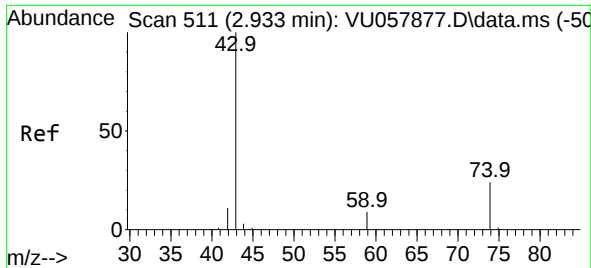
Tgt Ion: 76 Resp: 93050

Ion Ratio Lower Upper

76 100

78 9.5 7.2 10.8

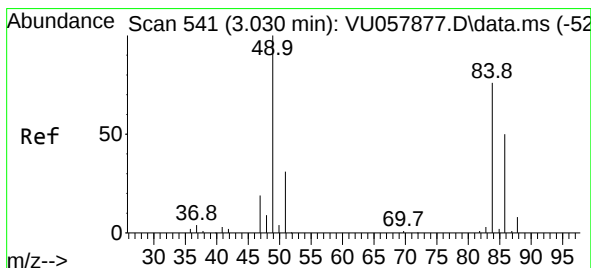
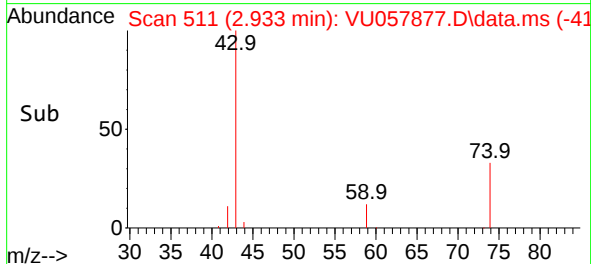
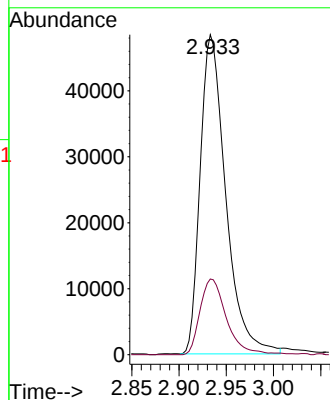
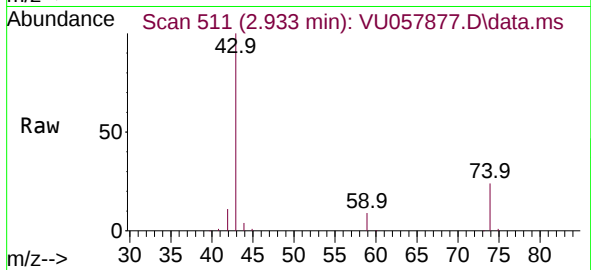




#15
Methyl Acetate
Concen: 60.092 ug/L
RT: 2.933 min Scan# 511
Delta R.T. -0.003 min
Lab File: VU057877.D
Acq: 19 Feb 2024 10:40

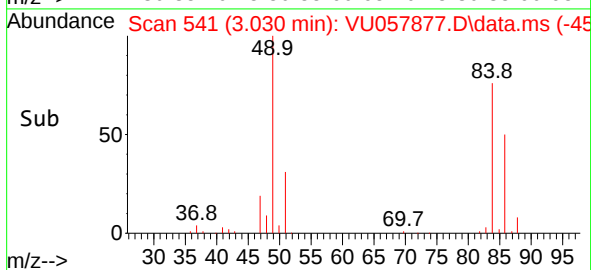
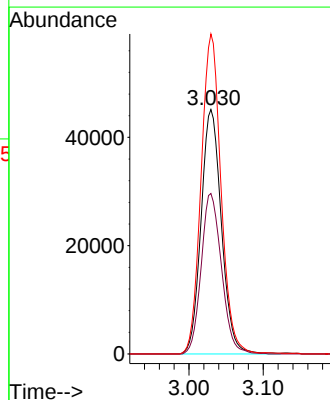
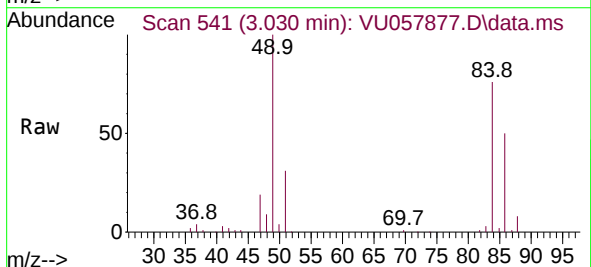
Instrument :
MSVOA_U
ClientSampleId :

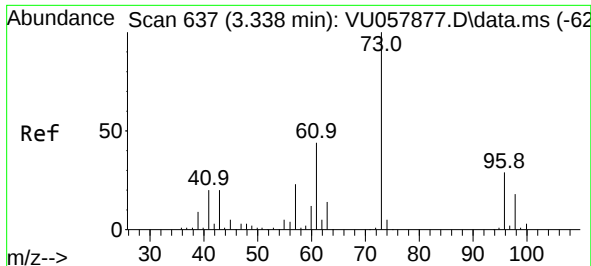
Tgt Ion: 43 Resp: 90969
Ion Ratio Lower Upper
43 100
74 24.2 19.7 29.5



#16
Methylene chloride
Concen: 54.259 ug/L
RT: 3.030 min Scan# 541
Delta R.T. -0.006 min
Lab File: VU057877.D
Acq: 19 Feb 2024 10:40

Tgt Ion: 84 Resp: 86071
Ion Ratio Lower Upper
84 100
86 65.6 43.0 80.0
49 130.9 83.7 155.4

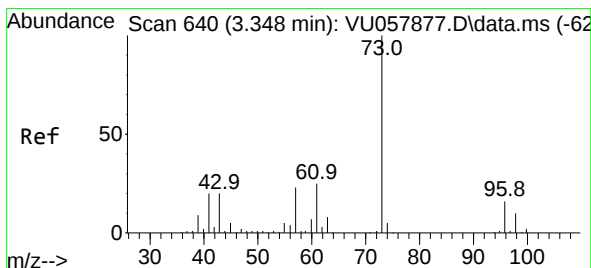
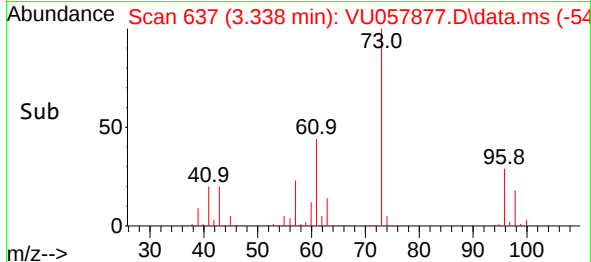
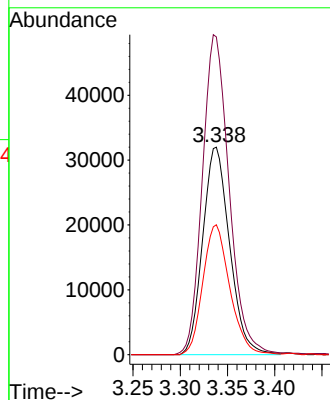
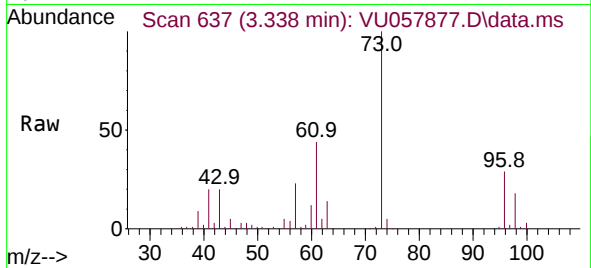




#17
trans-1,2-Dichloroethene
Concen: 45.297 ug/L
RT: 3.338 min Scan# 61
Delta R.T. -0.003 min
Lab File: VU057877.D
Acq: 19 Feb 2024 10:40

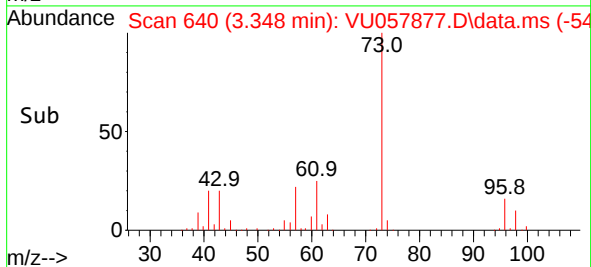
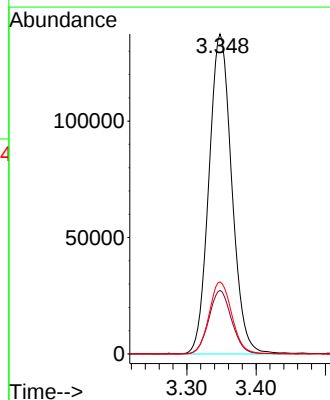
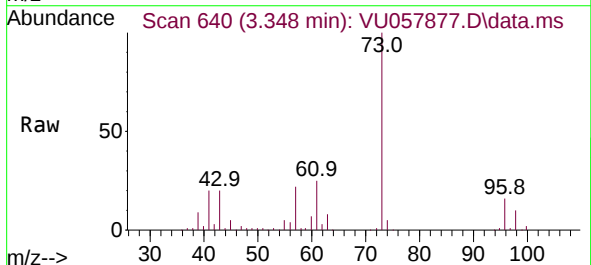
Instrument :
MSVOA_U
ClientSampleId :

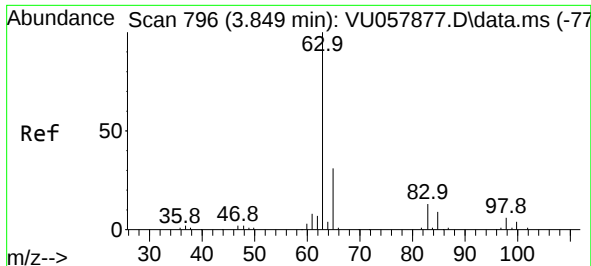
Tgt Ion: 96 Resp: 63375
Ion Ratio Lower Upper
96 100
61 153.2 102.8 190.8
98 62.6 44.2 82.2



#18
Methyl tert-butyl Ether
Concen: 63.996 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.003 min
Lab File: VU057877.D
Acq: 19 Feb 2024 10:40

Tgt Ion: 73 Resp: 314304
Ion Ratio Lower Upper
73 100
43 19.6 16.2 24.2
57 22.5 17.6 26.4





#19

1,1-Dichloroethane

Concen: 61.710 ug/L

RT: 3.849 min Scan# 796

Delta R.T. -0.006 min

Lab File: VU057877.D

Acq: 19 Feb 2024 10:40

Instrument :

MSVOA_U

ClientSampleId :

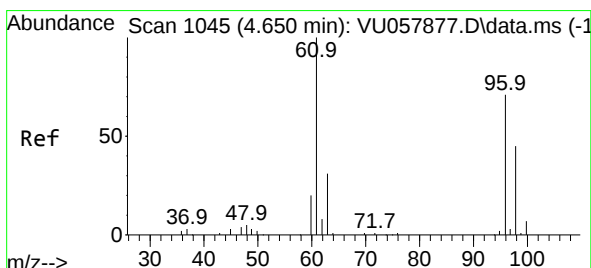
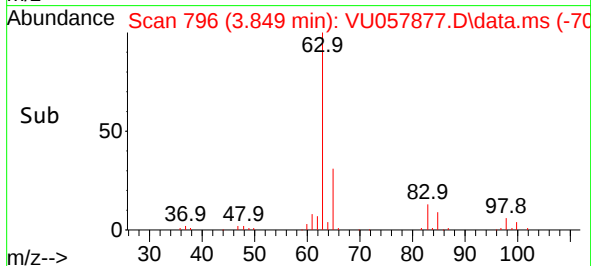
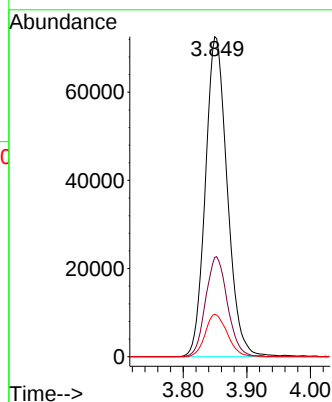
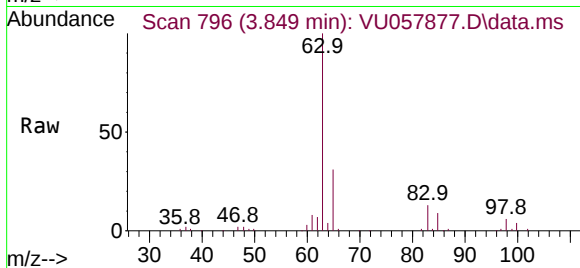
Tgt Ion: 63 Resp: 173266

Ion Ratio Lower Upper

63 100

65 31.0 22.7 42.3

83 13.2 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 57.007 ug/L

RT: 4.650 min Scan# 1045

Delta R.T. -0.006 min

Lab File: VU057877.D

Acq: 19 Feb 2024 10:40

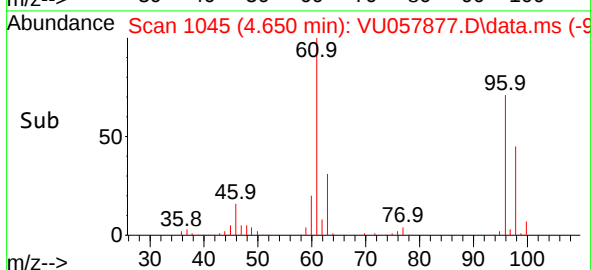
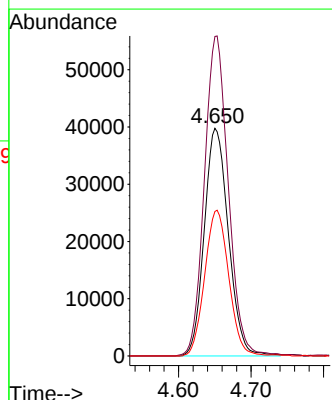
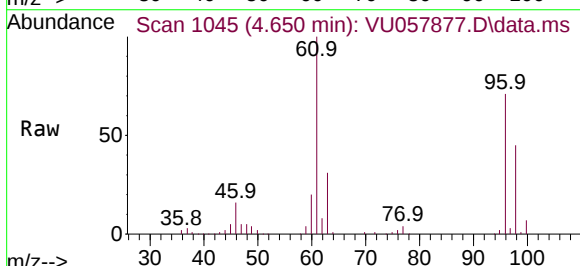
Tgt Ion: 96 Resp: 92063

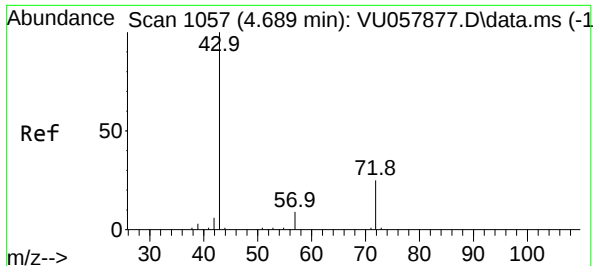
Ion Ratio Lower Upper

96 100

61 140.3 95.7 177.7

98 63.4 45.2 84.0

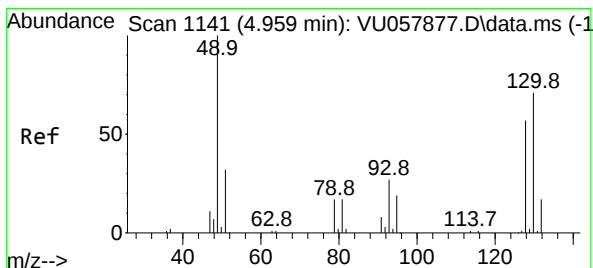
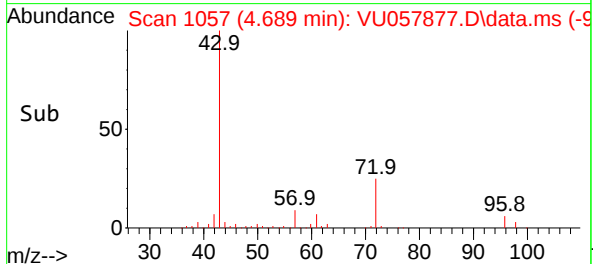
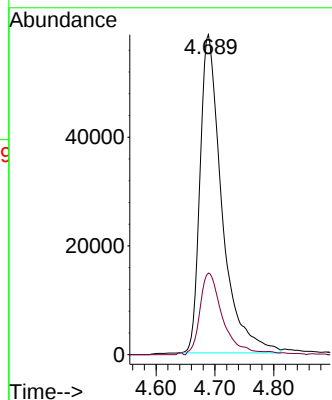
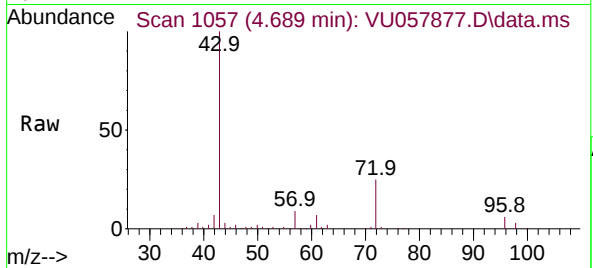




#22
2-Butanone
Concen: 119.543 ug/L
RT: 4.689 min Scan# 1057
Delta R.T. 0.000 min
Lab File: VU057877.D
Acq: 19 Feb 2024 10:40

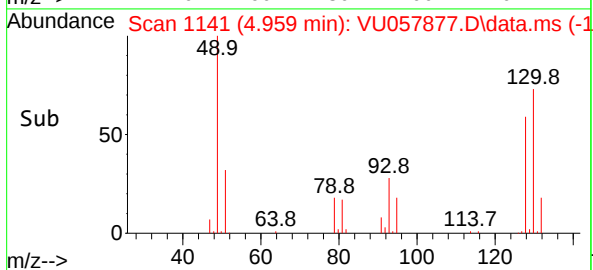
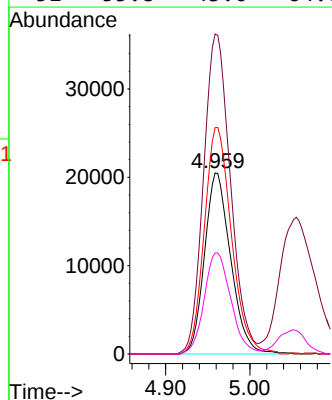
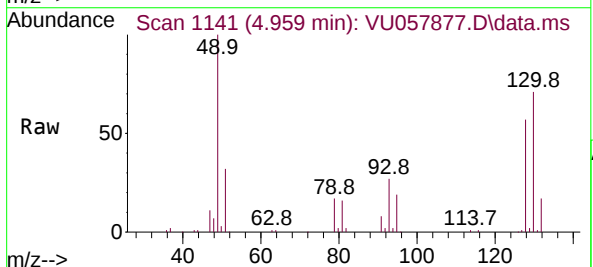
Instrument :
MSVOA_U
ClientSampleId :

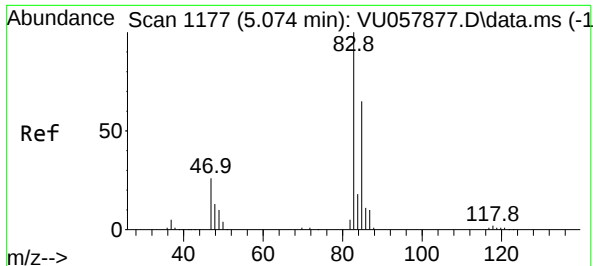
Tgt Ion: 43 Resp: 151589
Ion Ratio Lower Upper
43 100
72 26.5 13.8 41.3



#23
Bromochloromethane
Concen: 55.806 ug/L
RT: 4.959 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VU057877.D
Acq: 19 Feb 2024 10:40

Tgt Ion:128 Resp: 44183
Ion Ratio Lower Upper
128 100
49 176.8 122.4 227.2
130 125.0 91.8 170.4
51 55.8 43.0 64.6





#25

Chloroform

Concen: 62.528 ug/L

RT: 5.074 min Scan# 1177

Delta R.T. -0.003 min

Lab File: VU057877.D

Acq: 19 Feb 2024 10:40

Instrument :

MSVOA_U

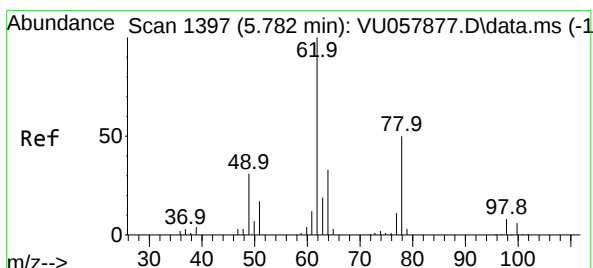
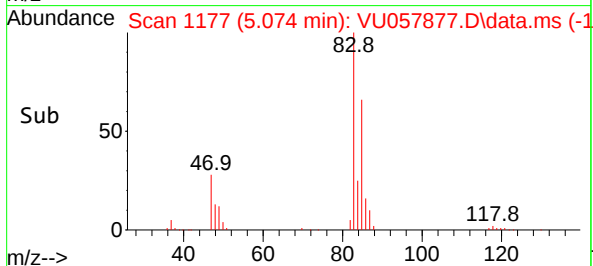
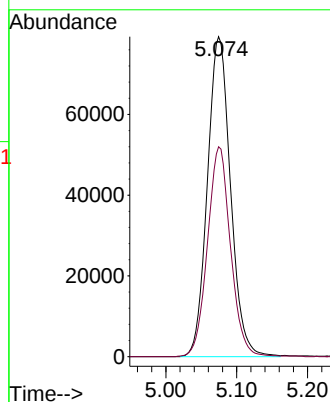
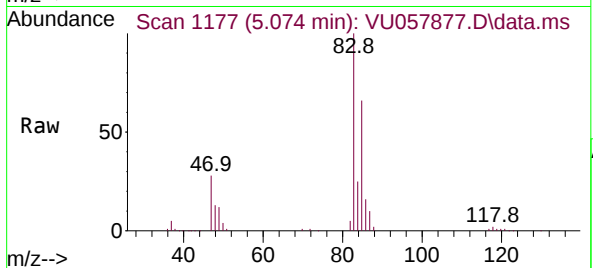
ClientSampleId :

Tgt Ion: 83 Resp: 179793

Ion Ratio Lower Upper

83 100

85 65.6 45.0 83.6



#27

1,2-Dichloroethane

Concen: 58.696 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. -0.003 min

Lab File: VU057877.D

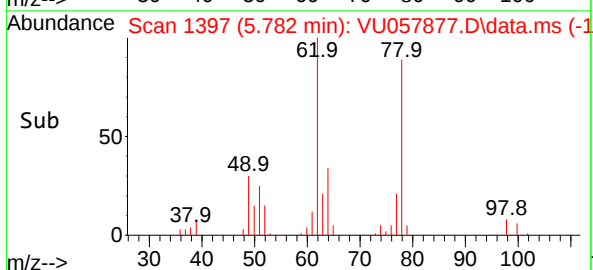
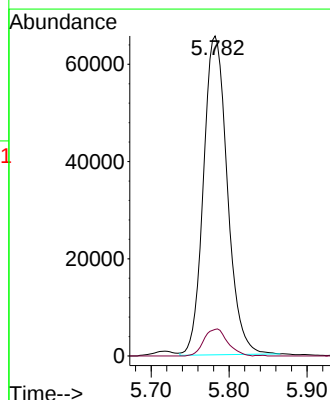
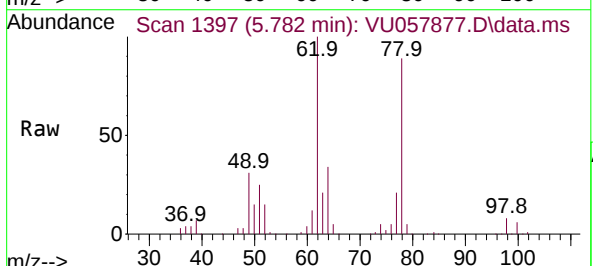
Acq: 19 Feb 2024 10:40

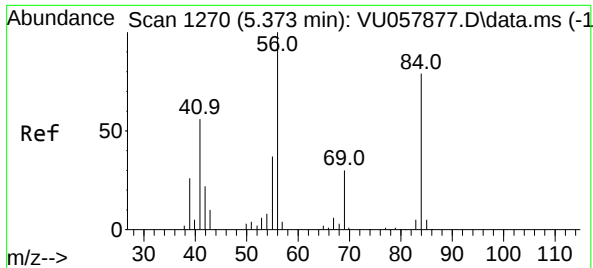
Tgt Ion: 62 Resp: 139764

Ion Ratio Lower Upper

62 100

98 8.7 6.7 10.1





#29

Cyclohexane

Concen: 39.413 ug/L

RT: 5.373 min Scan# 1270

Delta R.T. -0.006 min

Lab File: VU057877.D

Acq: 19 Feb 2024 10:40

Instrument :

MSVOA_U

ClientSampleId :

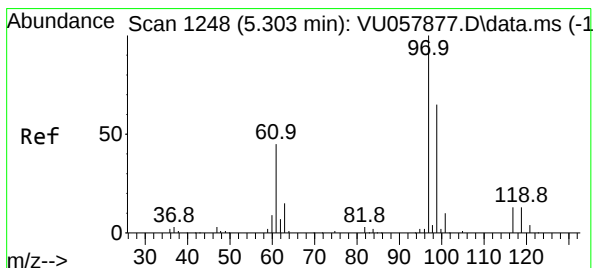
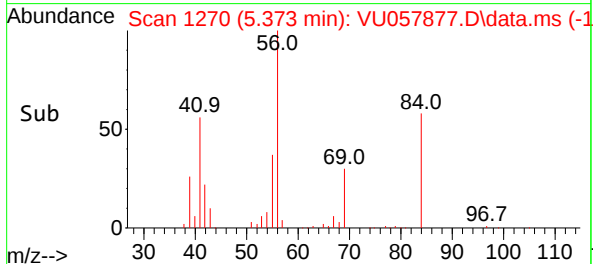
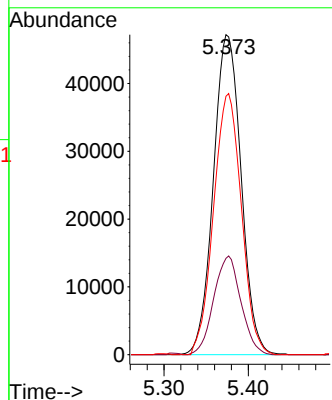
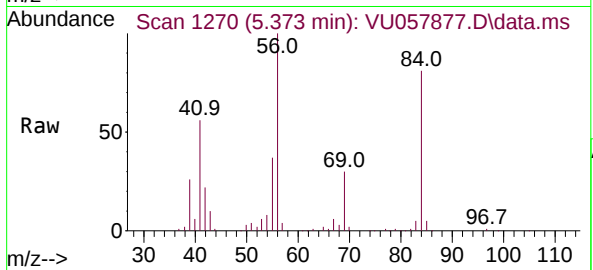
Tgt Ion: 56 Resp: 107942

Ion Ratio Lower Upper

56 100

69 30.2 25.4 38.0

84 81.8 70.4 105.6



#30

1,1,1-Trichloroethane

Concen: 53.120 ug/L

RT: 5.303 min Scan# 1248

Delta R.T. -0.003 min

Lab File: VU057877.D

Acq: 19 Feb 2024 10:40

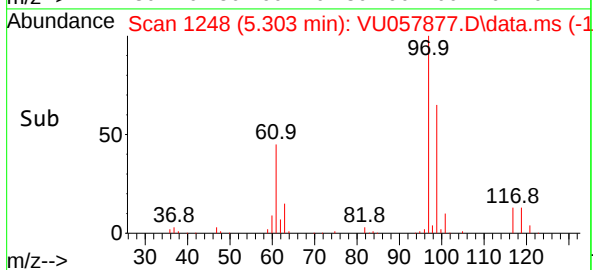
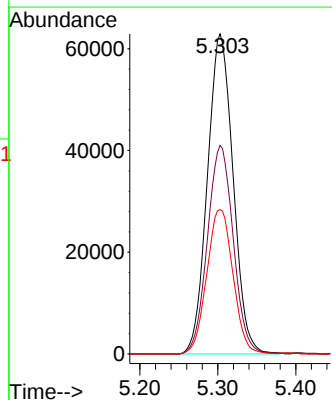
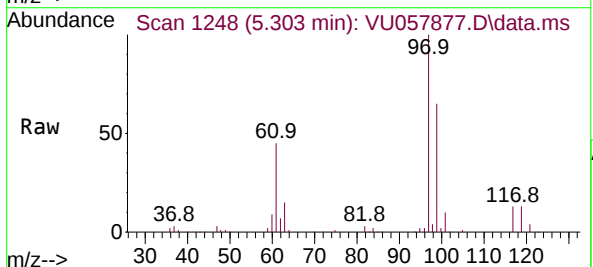
Tgt Ion: 97 Resp: 144207

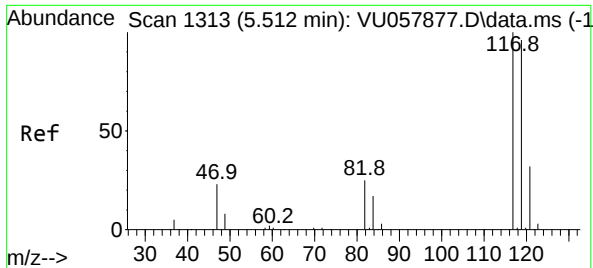
Ion Ratio Lower Upper

97 100

99 65.5 51.5 77.3

61 45.9 36.7 55.1

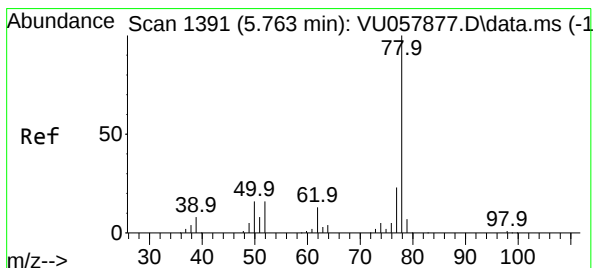
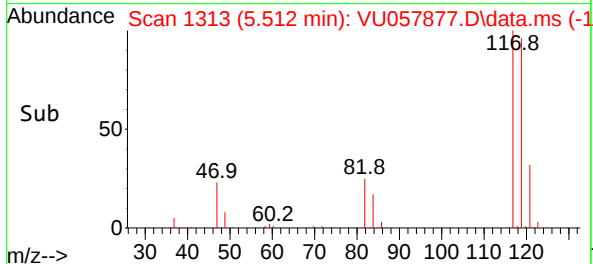
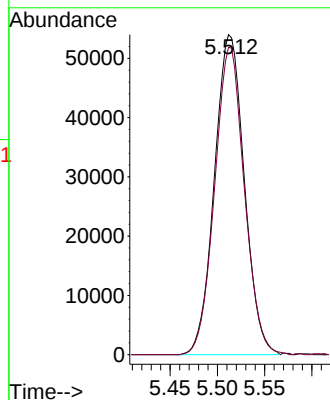
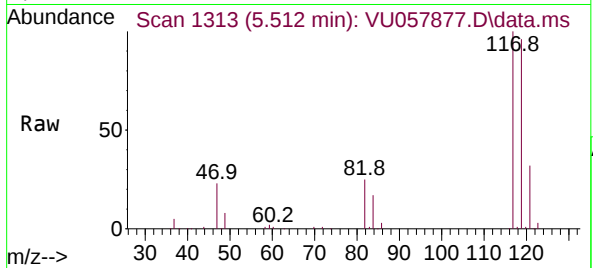




#31
Carbon tetrachloride
Concen: 50.210 ug/L
RT: 5.512 min Scan# 1313
Delta R.T. -0.003 min
Lab File: VU057877.D
Acq: 19 Feb 2024 10:40

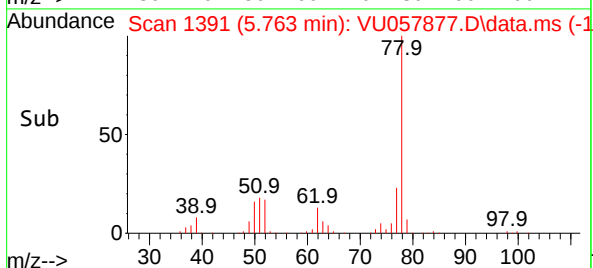
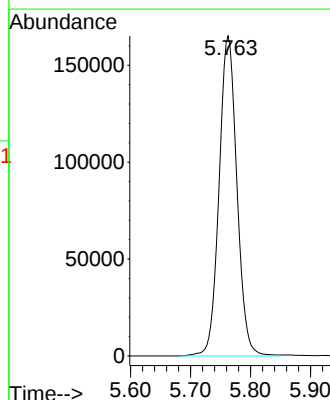
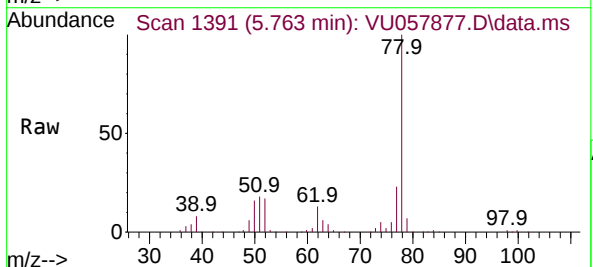
Instrument :
MSVOA_U
ClientSampleId :

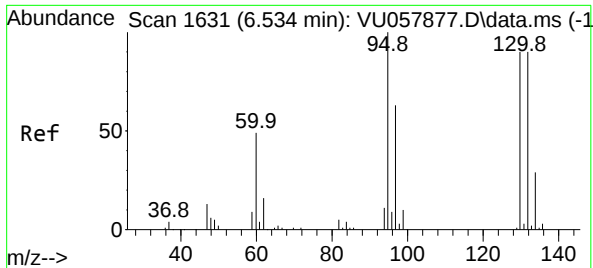
Tgt Ion:117 Resp: 118678
Ion Ratio Lower Upper
117 100
119 95.5 76.7 115.1



#33
Benzene
Concen: 51.060 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. -0.003 min
Lab File: VU057877.D
Acq: 19 Feb 2024 10:40

Tgt Ion: 78 Resp: 340193

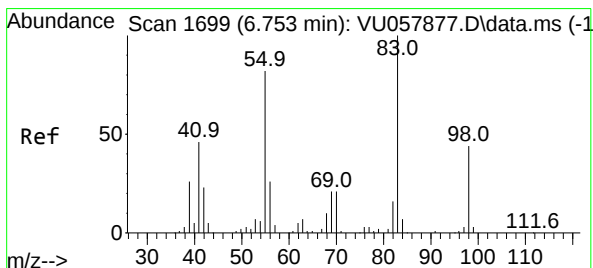
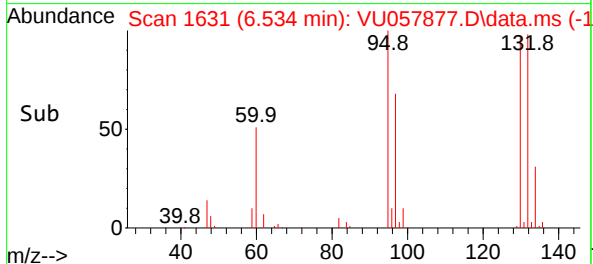
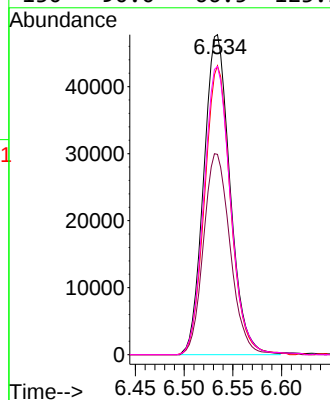
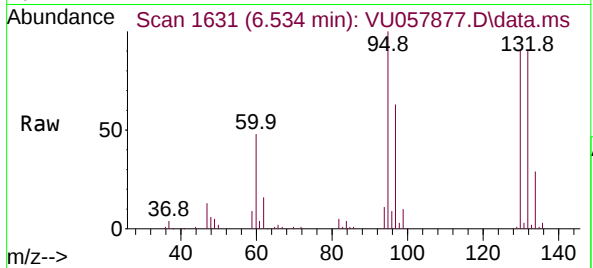




#34
Trichloroethene
Concen: 50.097 ug/L
RT: 6.534 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VU057877.D
Acq: 19 Feb 2024 10:40

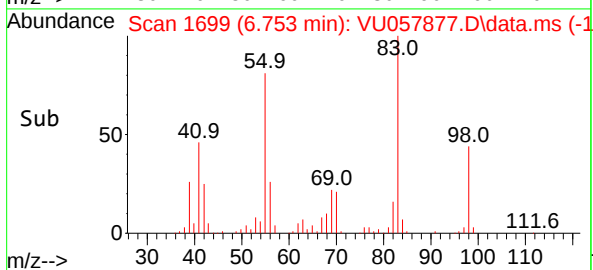
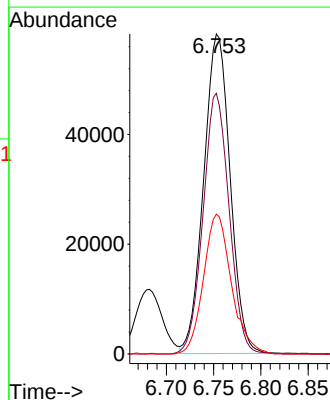
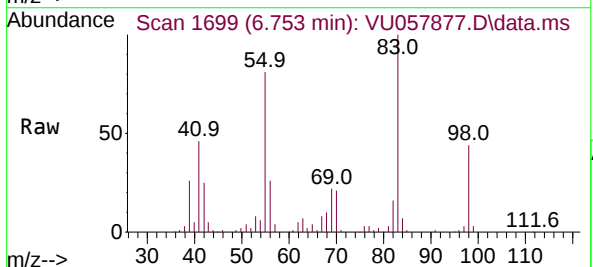
Instrument :
MSVOA_U
ClientSampleId :

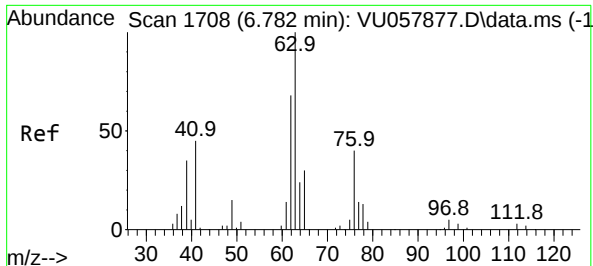
Tgt Ion: 95 Resp: 89751
Ion Ratio Lower Upper
95 100
97 62.6 44.9 83.5
132 90.3 63.1 117.1
130 90.0 66.5 123.5



#35
Methylcyclohexane
Concen: 39.617 ug/L
RT: 6.753 min Scan# 1699
Delta R.T. -0.003 min
Lab File: VU057877.D
Acq: 19 Feb 2024 10:40

Tgt Ion: 83 Resp: 113549
Ion Ratio Lower Upper
83 100
55 80.3 59.9 89.9
98 46.0 36.8 55.2

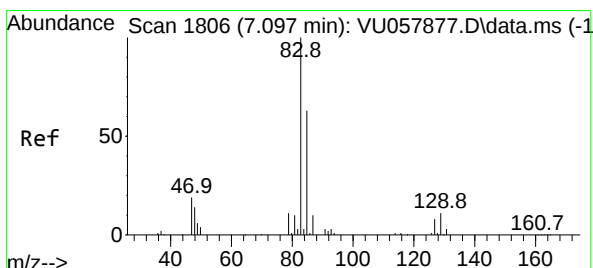
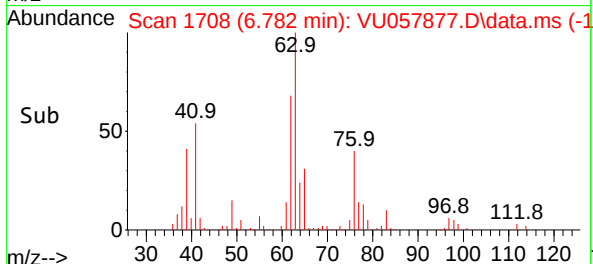
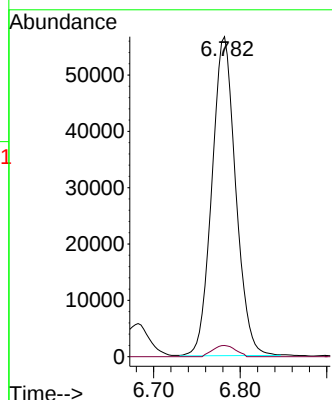
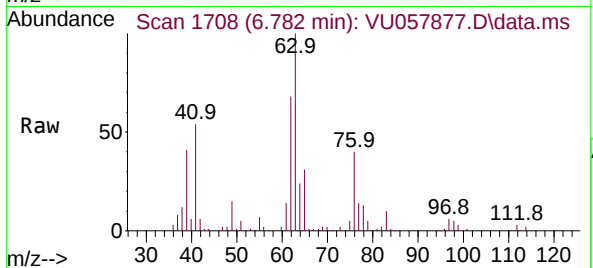




#37
1,2-Dichloropropane
Concen: 59.194 ug/L
RT: 6.782 min Scan# 1
Delta R.T. -0.003 min
Lab File: VU057877.D
Acq: 19 Feb 2024 10:40

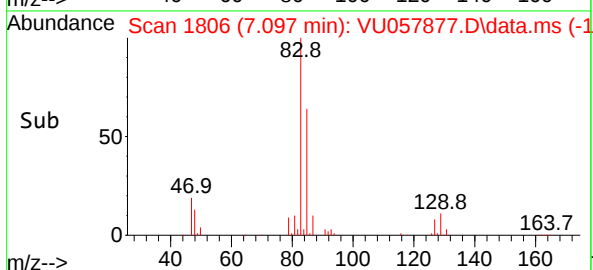
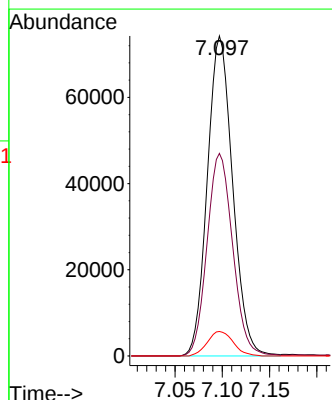
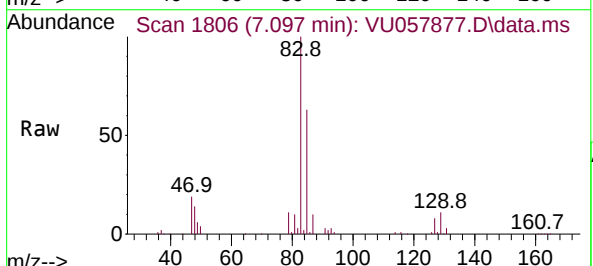
Instrument :
MSVOA_U
ClientSampleId :

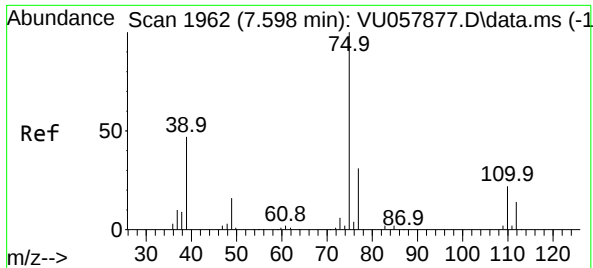
Tgt Ion: 63 Resp: 108128
Ion Ratio Lower Upper
63 100
112 3.4 3.0 4.6



#38
Bromodichloromethane
Concen: 60.158 ug/L
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU057877.D
Acq: 19 Feb 2024 10:40

Tgt Ion: 83 Resp: 138358
Ion Ratio Lower Upper
83 100
85 63.3 45.6 84.6
127 8.5 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 57.047 ug/L

RT: 7.598 min Scan# 1962

Delta R.T. -0.003 min

Lab File: VU057877.D

Acq: 19 Feb 2024 10:40

Instrument :

MSVOA_U

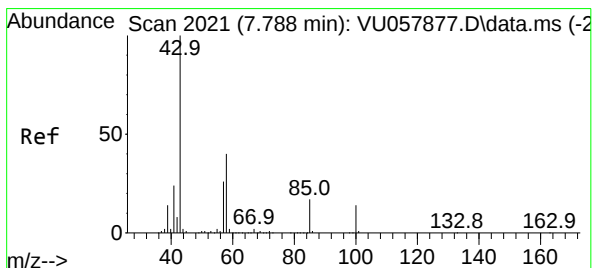
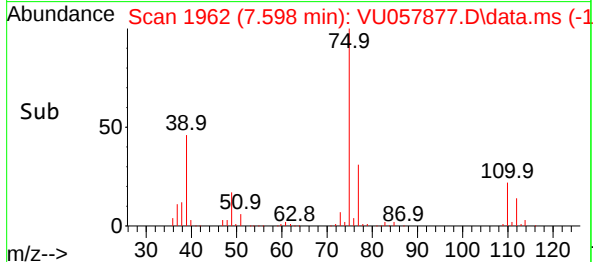
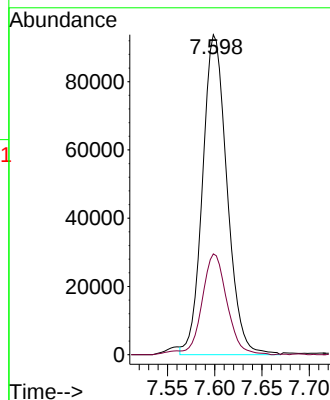
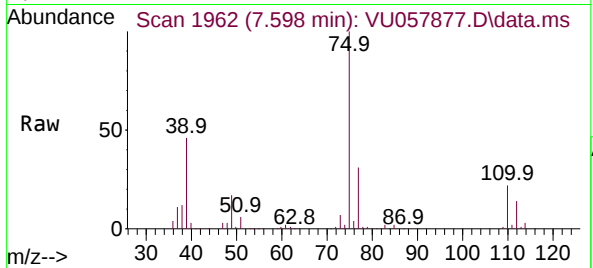
ClientSampleId :

Tgt Ion: 75 Resp: 168906

Ion Ratio Lower Upper

75 100

77 31.5 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 132.247 ug/L

RT: 7.788 min Scan# 2021

Delta R.T. 0.003 min

Lab File: VU057877.D

Acq: 19 Feb 2024 10:40

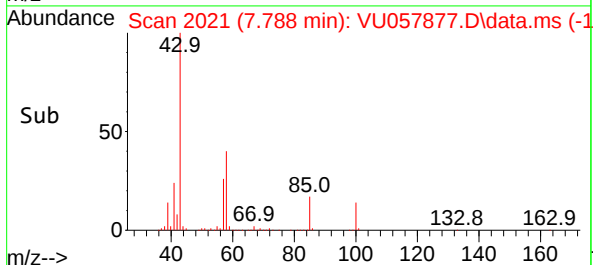
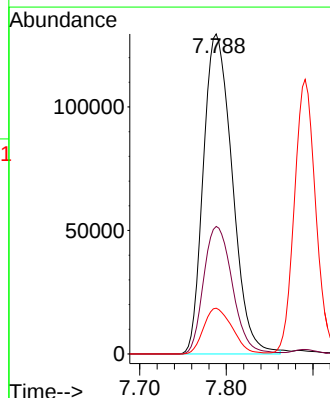
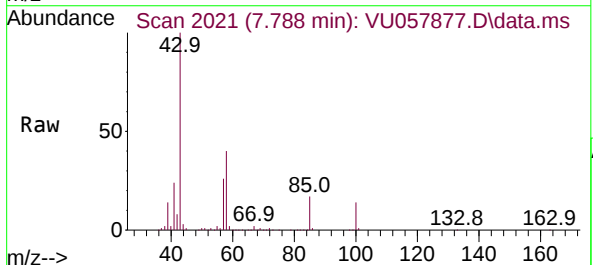
Tgt Ion: 43 Resp: 300708

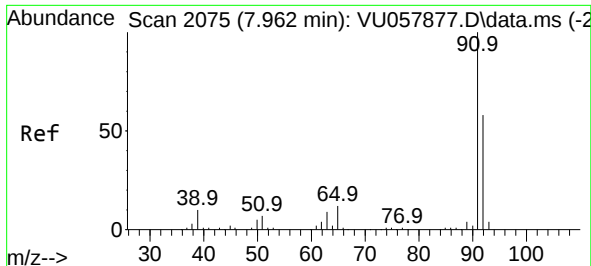
Ion Ratio Lower Upper

43 100

58 39.7 32.5 48.7

100 14.2 12.2 18.4





#42

Toluene

Concen: 52.522 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.003 min

Lab File: VU057877.D

Acq: 19 Feb 2024 10:40

Instrument :

MSVOA_U

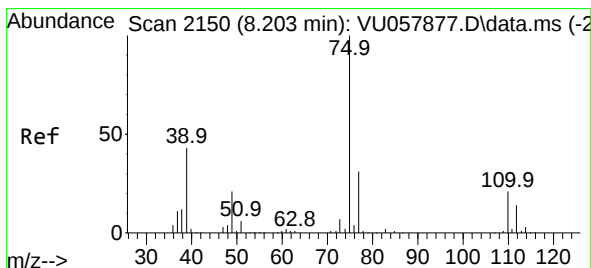
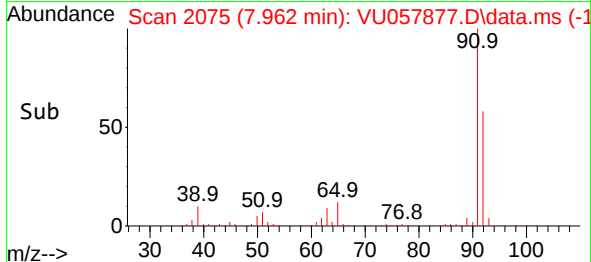
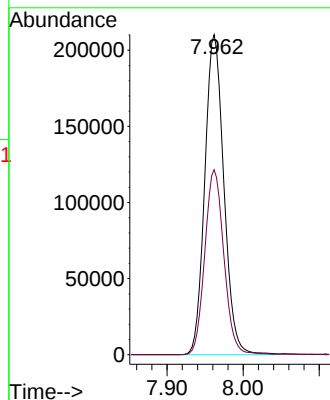
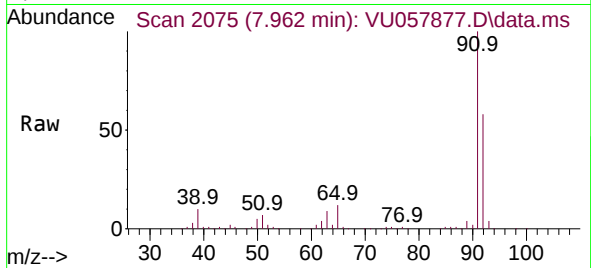
ClientSampleId :

Tgt Ion: 91 Resp: 366503

Ion Ratio Lower Upper

91 100

92 57.8 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 60.243 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. 0.000 min

Lab File: VU057877.D

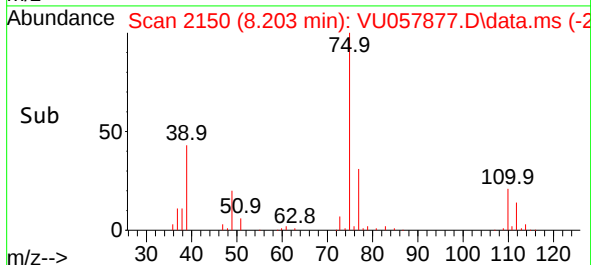
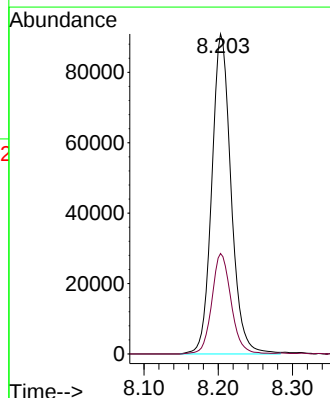
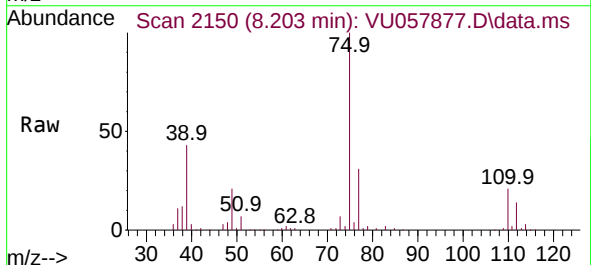
Acq: 19 Feb 2024 10:40

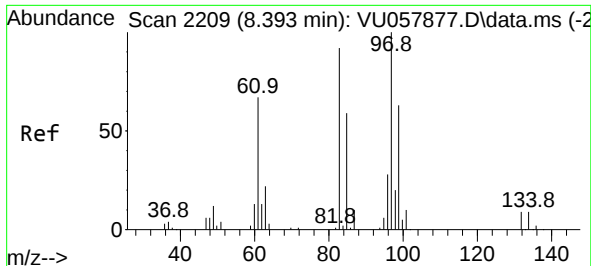
Tgt Ion: 75 Resp: 163754

Ion Ratio Lower Upper

75 100

77 31.4 22.4 41.6

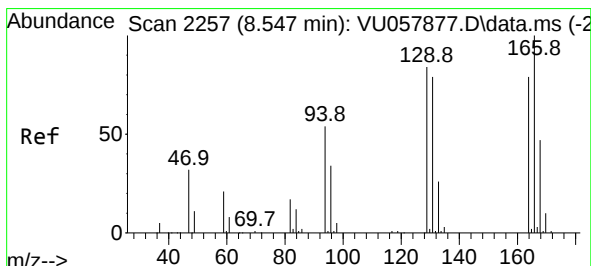
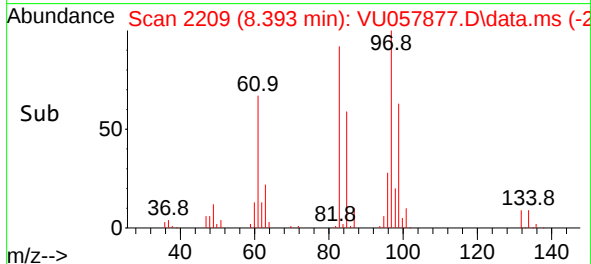
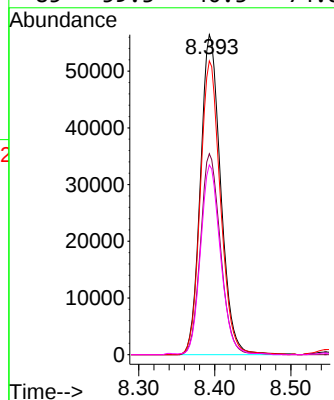
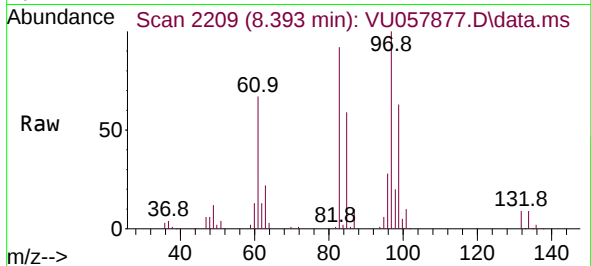




#45
1,1,2-Trichloroethane
Concen: 61.803 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU057877.D
Acq: 19 Feb 2024 10:40

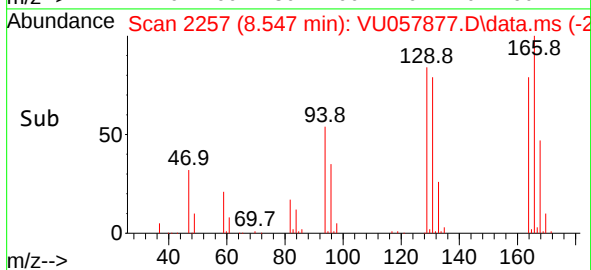
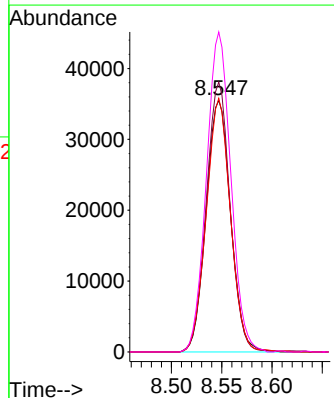
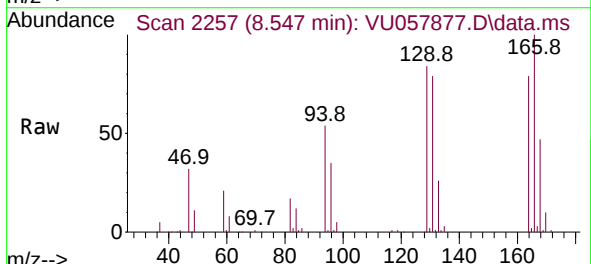
Instrument :
MSVOA_U
ClientSampleId :

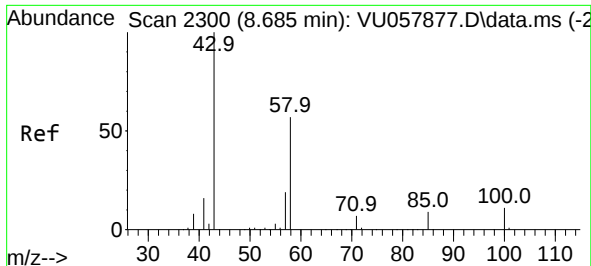
Tgt Ion:	97	Resp:	104245
Ion	Ratio	Lower	Upper
97	100		
99	62.8	45.1	83.9
83	91.8	63.8	118.6
85	59.3	40.3	74.8



#46
Tetrachloroethene
Concen: 48.534 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU057877.D
Acq: 19 Feb 2024 10:40

Tgt Ion:	164	Resp:	60310
Ion	Ratio	Lower	Upper
164	100		
129	107.3	70.8	131.4
131	100.9	66.8	124.0
166	127.2	86.6	160.8

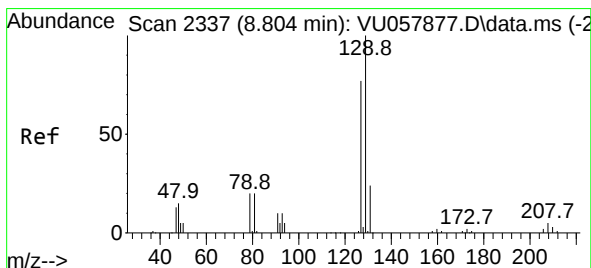
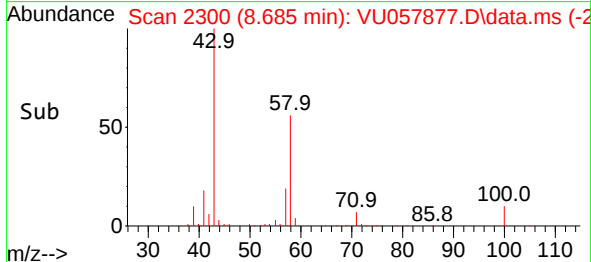
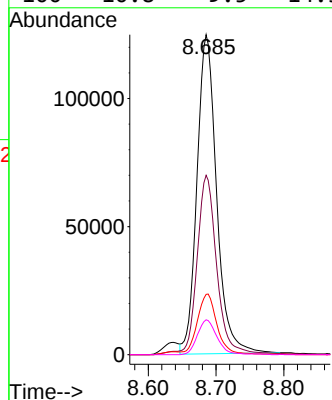
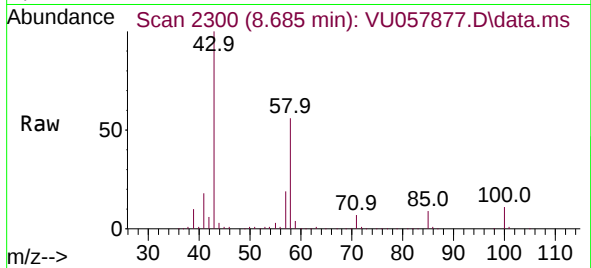




#48
2-Hexanone
Concen: 126.818 ug/L
RT: 8.685 min Scan# 2300
Delta R.T. 0.006 min
Lab File: VU057877.D
Acq: 19 Feb 2024 10:40

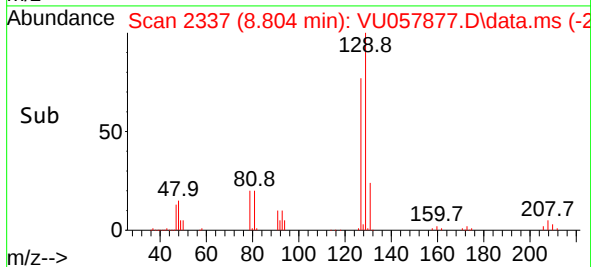
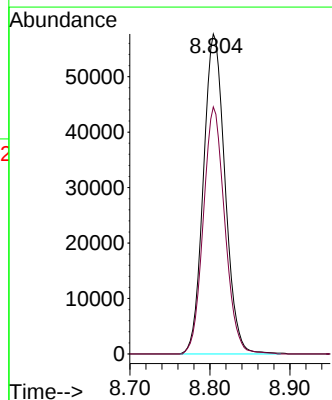
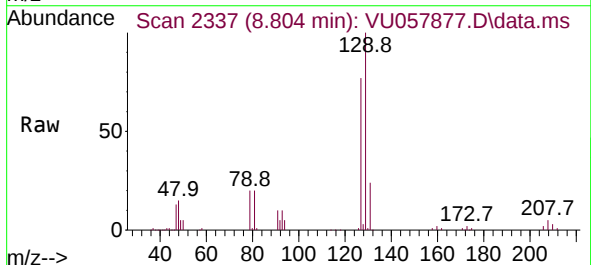
Instrument :
MSVOA_U
ClientSampleId :

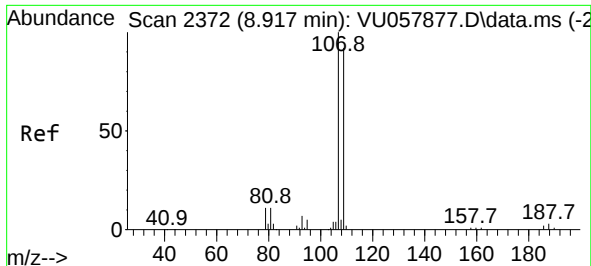
Tgt Ion: 43 Resp: 250856
Ion Ratio Lower Upper
43 100
58 56.8 44.1 66.1
57 19.0 15.4 23.2
100 10.8 9.5 14.3



#49
Dibromochloromethane
Concen: 63.828 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU057877.D
Acq: 19 Feb 2024 10:40

Tgt Ion: 129 Resp: 108582
Ion Ratio Lower Upper
129 100
127 77.2 54.1 100.5





#50

1,2-Dibromoethane

Concen: 56.213 ug/L

RT: 8.917 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU057877.D

Acq: 19 Feb 2024 10:40

Instrument :

MSVOA_U

ClientSampleId :

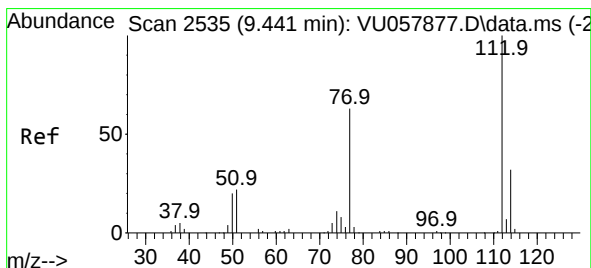
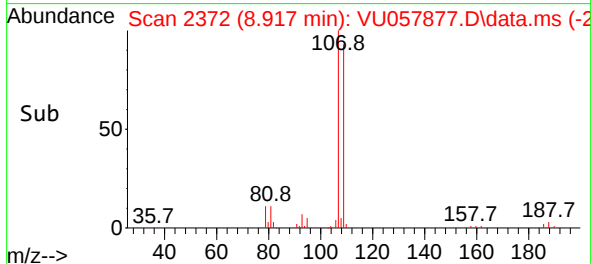
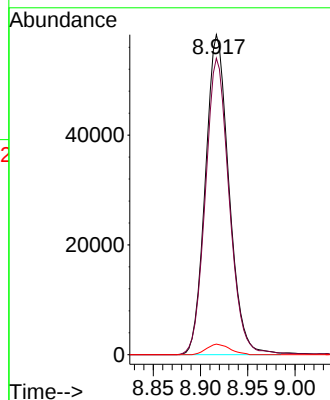
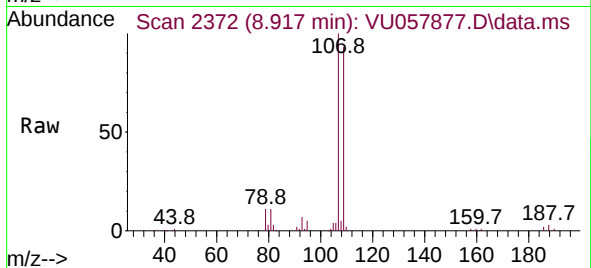
Tgt Ion:107 Resp: 101304

Ion Ratio Lower Upper

107 100

109 92.7 64.4 119.6

188 3.3 2.6 3.8



#51

Chlorobenzene

Concen: 58.343 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU057877.D

Acq: 19 Feb 2024 10:40

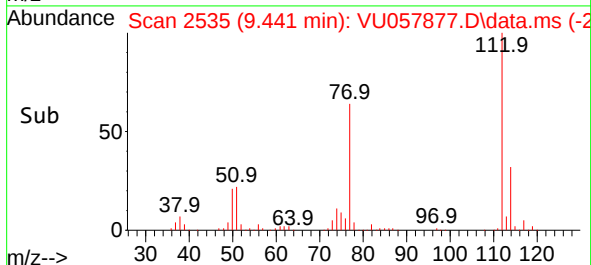
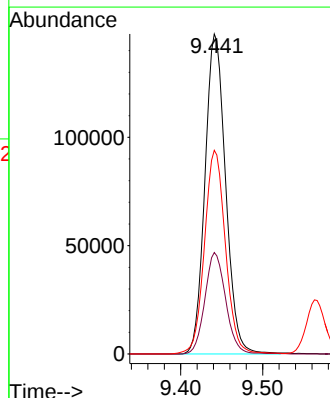
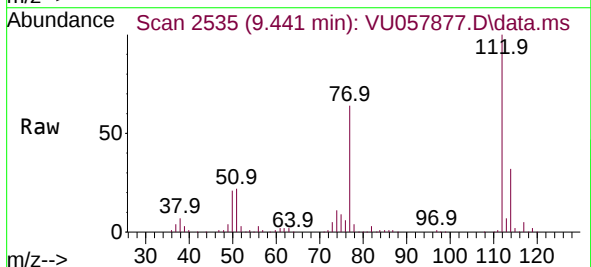
Tgt Ion:112 Resp: 258560

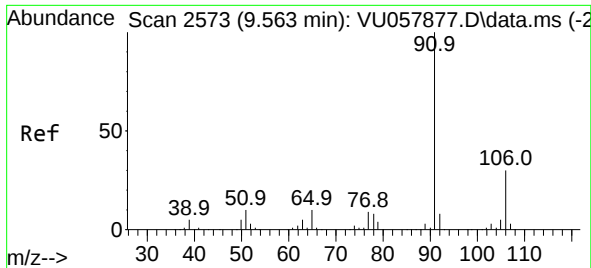
Ion Ratio Lower Upper

112 100

114 31.7 22.0 41.0

77 63.7 48.2 72.4

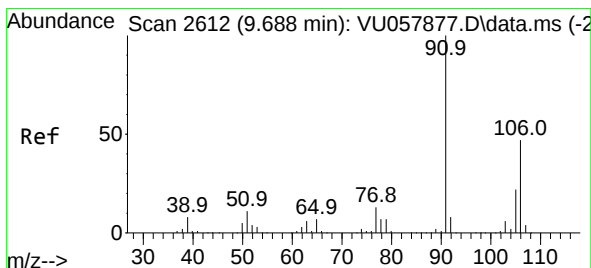
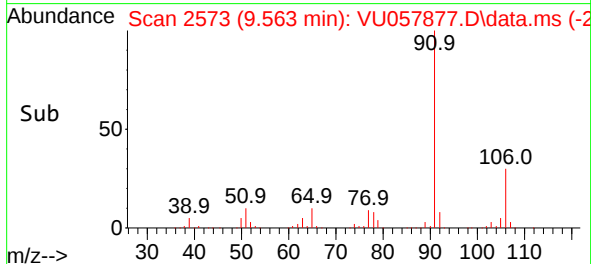
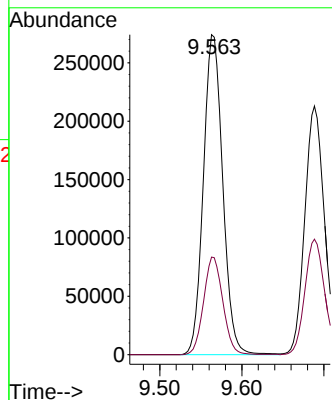
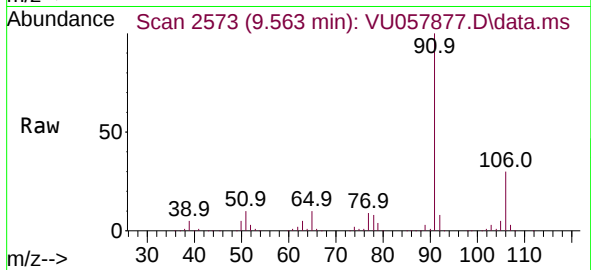




#52
Ethylbenzene
Concen: 56.885 ug/L
RT: 9.563 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU057877.D
Acq: 19 Feb 2024 10:40

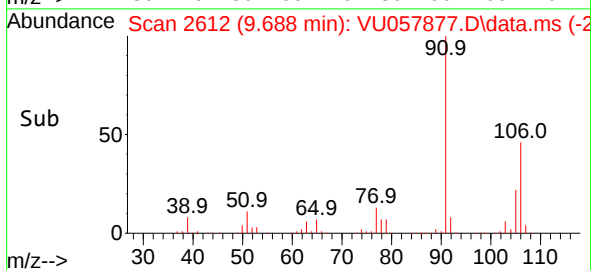
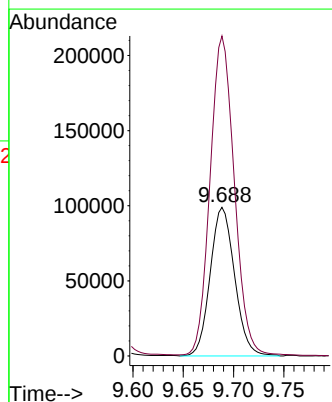
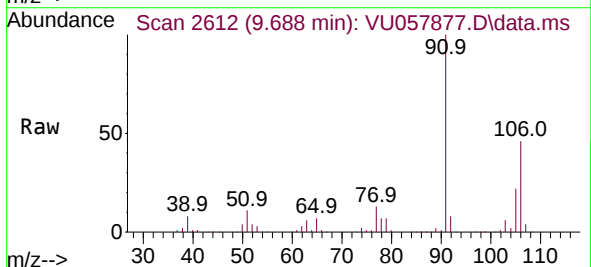
Instrument :
MSVOA_U
ClientSampleId :

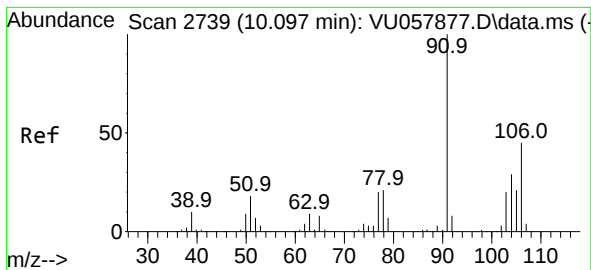
Tgt Ion: 91 Resp: 450284
Ion Ratio Lower Upper
91 100
106 30.5 20.9 38.9



#53
m,p-Xylene
Concen: 57.480 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU057877.D
Acq: 19 Feb 2024 10:40

Tgt Ion:106 Resp: 167214
Ion Ratio Lower Upper
106 100
91 215.2 145.3 269.9





#54

o-Xylene

Concen: 60.411 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU057877.D

Acq: 19 Feb 2024 10:40

Instrument :

MSVOA_U

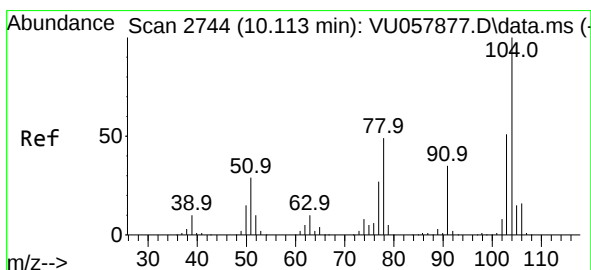
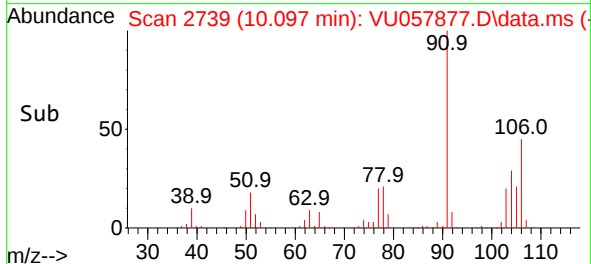
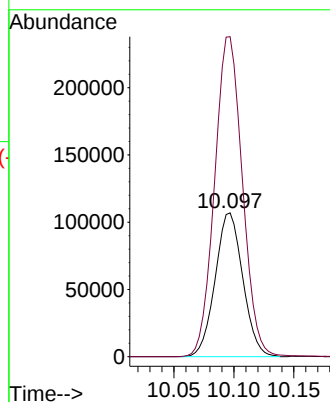
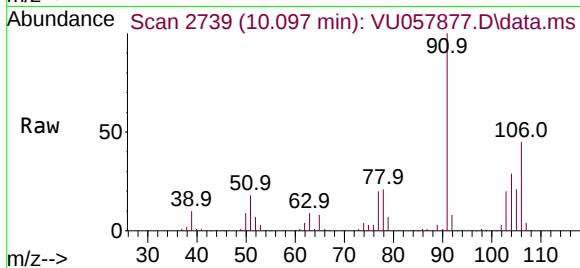
ClientSampleId :

Tgt Ion:106 Resp: 171125

Ion Ratio Lower Upper

106 100

91 222.6 155.3 288.3



#55

Styrene

Concen: 63.577 ug/L

RT: 10.113 min Scan# 2744

Delta R.T. 0.003 min

Lab File: VU057877.D

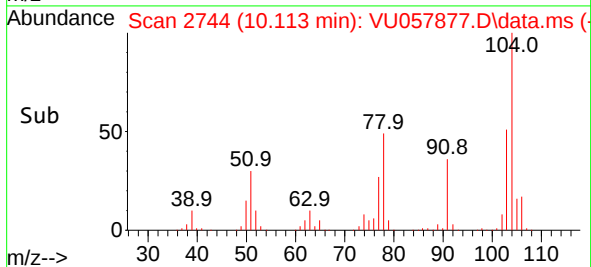
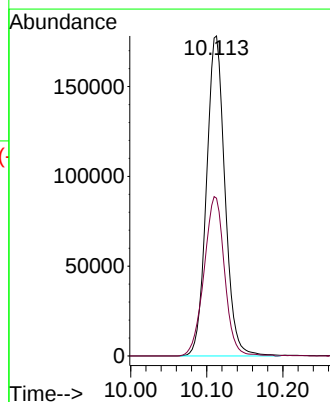
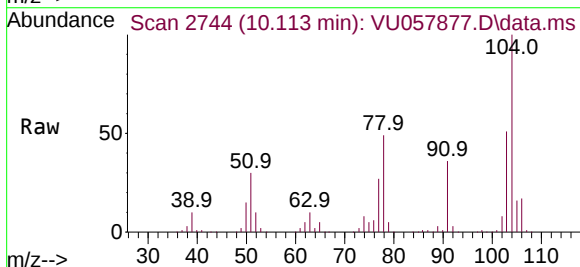
Acq: 19 Feb 2024 10:40

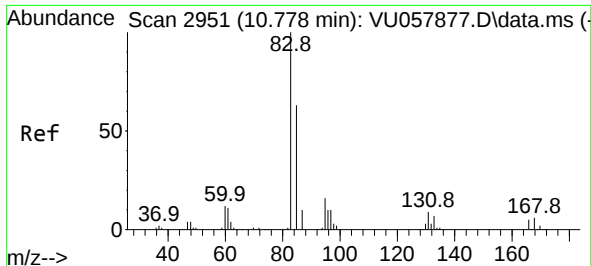
Tgt Ion:104 Resp: 300633

Ion Ratio Lower Upper

104 100

78 49.3 34.3 63.7





#57

1,1,2,2-Tetrachloroethane

Concen: 69.421 ug/L

RT: 10.778 min Scan# 2951

Delta R.T. 0.000 min

Lab File: VU057877.D

Acq: 19 Feb 2024 10:40

Instrument :

MSVOA_U

ClientSampleId :

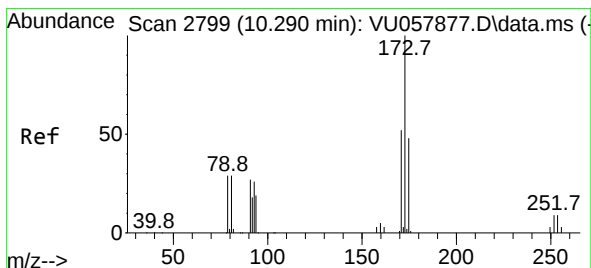
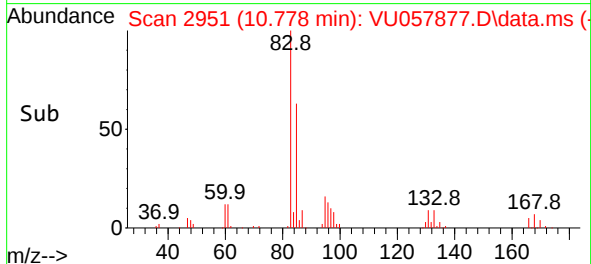
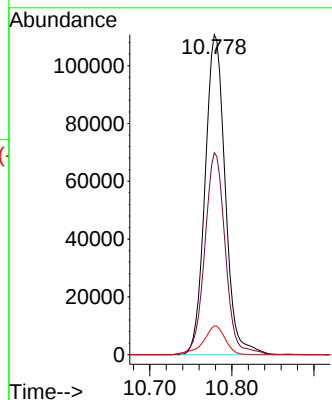
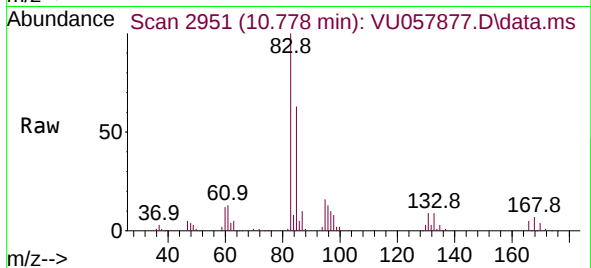
Tgt Ion: 83 Resp: 188705

Ion Ratio Lower Upper

83 100

85 63.1 45.1 83.7

131 9.0 7.5 11.3



#59

Bromoform

Concen: 58.403 ug/L

RT: 10.290 min Scan# 2799

Delta R.T. 0.003 min

Lab File: VU057877.D

Acq: 19 Feb 2024 10:40

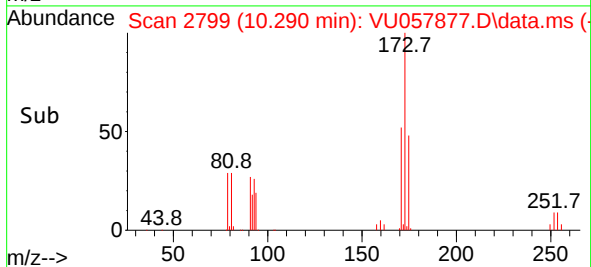
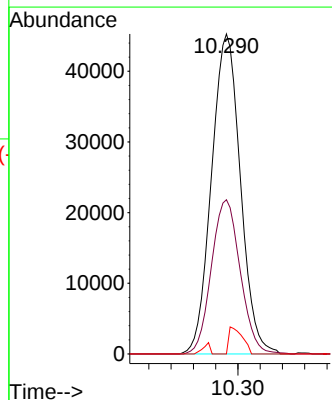
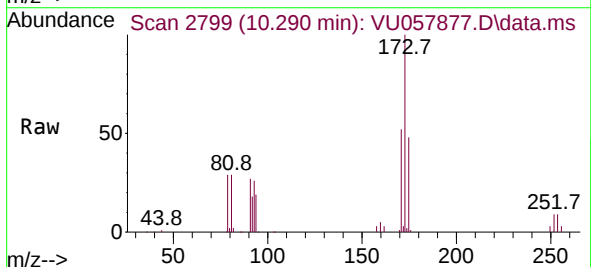
Tgt Ion:173 Resp: 81550

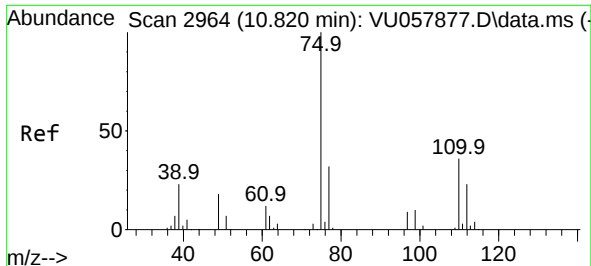
Ion Ratio Lower Upper

173 100

175 48.0 37.7 56.5

254 3.9 6.2 9.2#

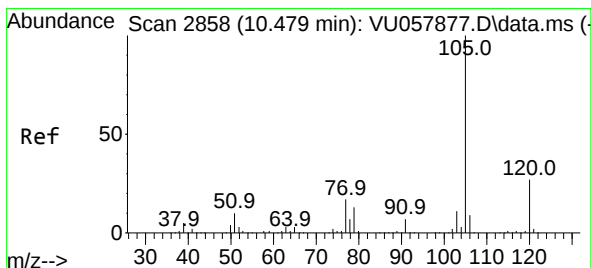
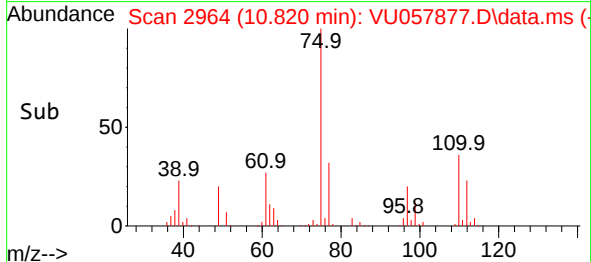
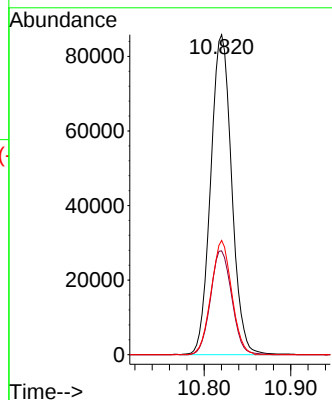
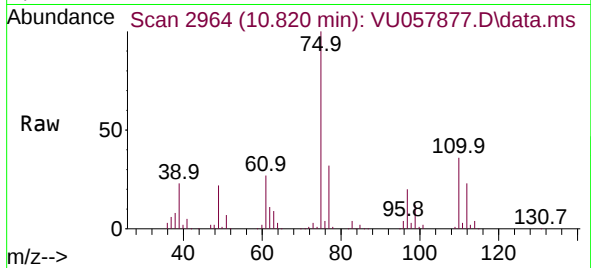




#60
1,2,3-Trichloropropane
Concen: 57.417 ug/L
RT: 10.820 min Scan# 2964
Delta R.T. 0.003 min
Lab File: VU057877.D
Acq: 19 Feb 2024 10:40

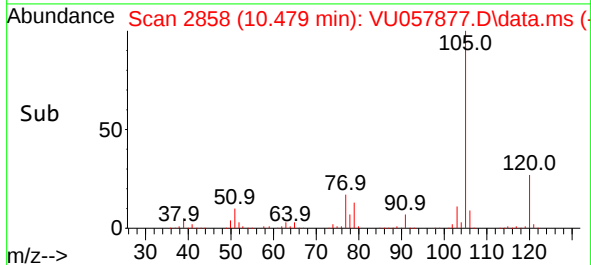
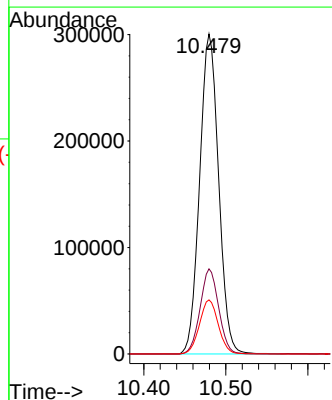
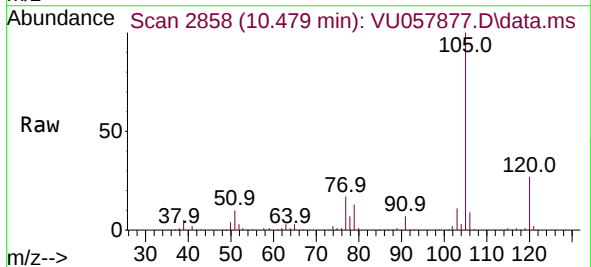
Instrument :
MSVOA_U
ClientSampleId :

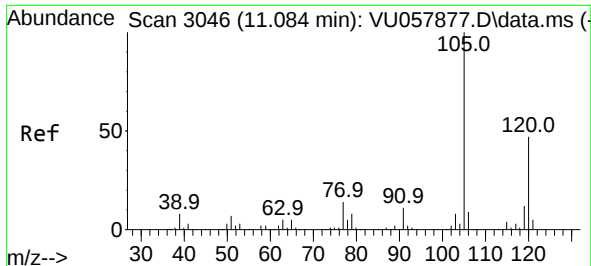
Tgt Ion: 75 Resp: 144473
Ion Ratio Lower Upper
75 100
77 32.8 26.1 39.1
110 35.0 29.1 43.7



#61
Isopropylbenzene
Concen: 54.879 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. 0.000 min
Lab File: VU057877.D
Acq: 19 Feb 2024 10:40

Tgt Ion: 105 Resp: 481908
Ion Ratio Lower Upper
105 100
120 26.0 20.6 30.8
77 16.8 13.2 19.8





#62

1,3,5-Trimethylbenzene

Concen: 56.541 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU057877.D

Acq: 19 Feb 2024 10:40

Instrument :

MSVOA_U

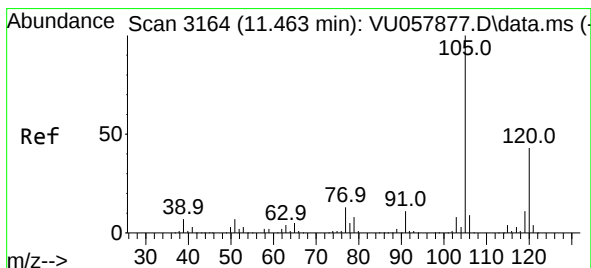
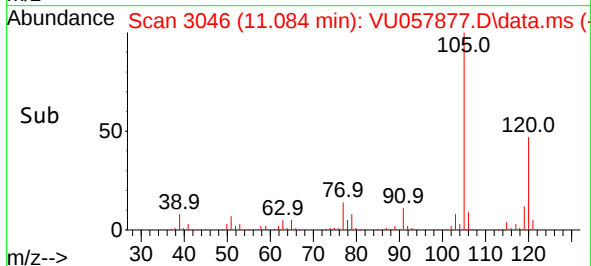
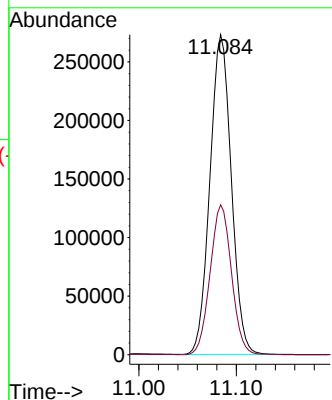
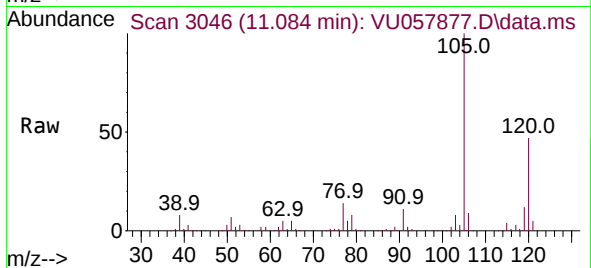
ClientSampleId :

Tgt Ion:105 Resp: 416656

Ion Ratio Lower Upper

105 100

120 46.8 37.3 55.9



#63

1,2,4-Trimethylbenzene

Concen: 58.341 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU057877.D

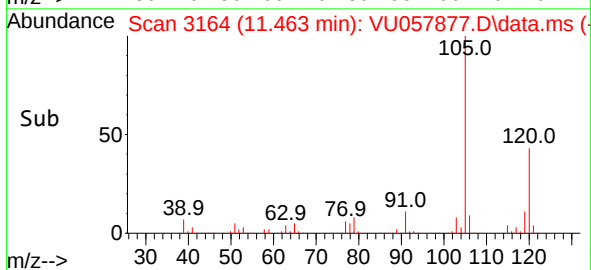
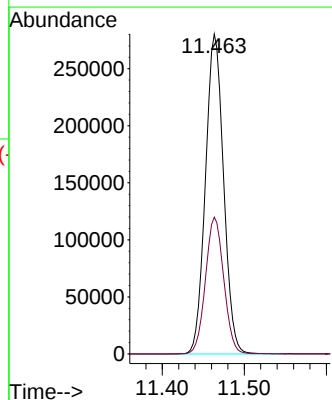
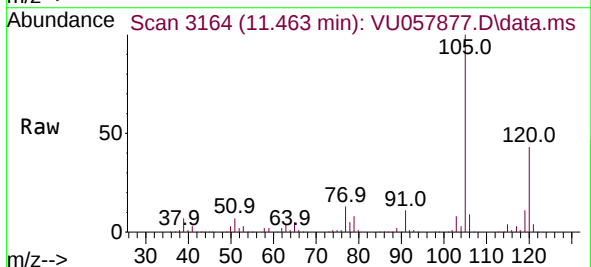
Acq: 19 Feb 2024 10:40

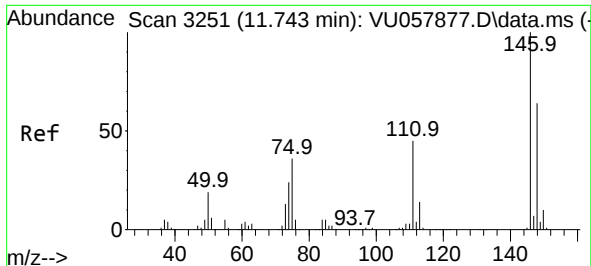
Tgt Ion:105 Resp: 430296

Ion Ratio Lower Upper

105 100

120 42.9 35.4 53.0

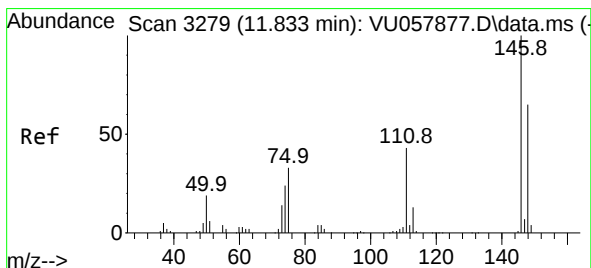
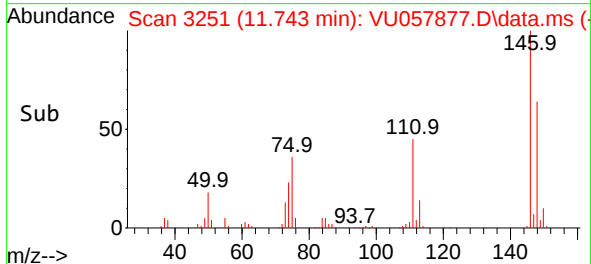
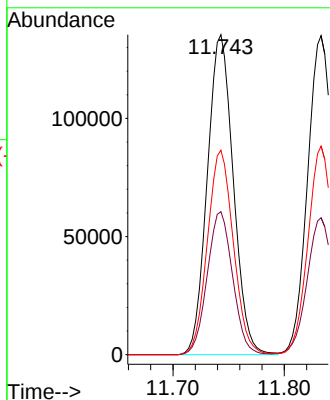
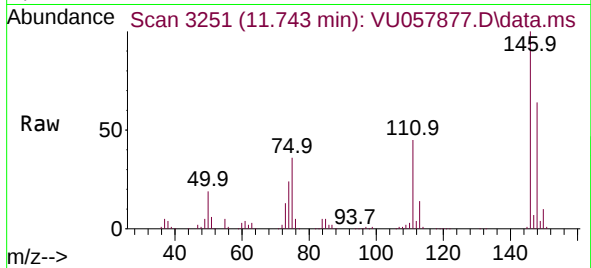




#64
 1,3-Dichlorobenzene
 Concen: 57.875 ug/L
 RT: 11.743 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VU057877.D
 Acq: 19 Feb 2024 10:40

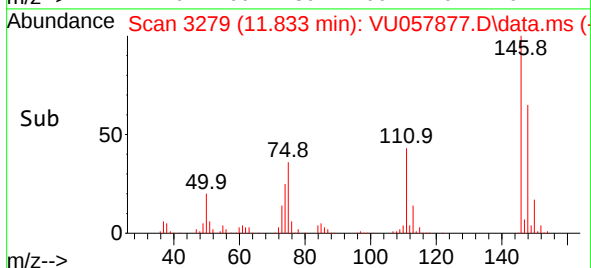
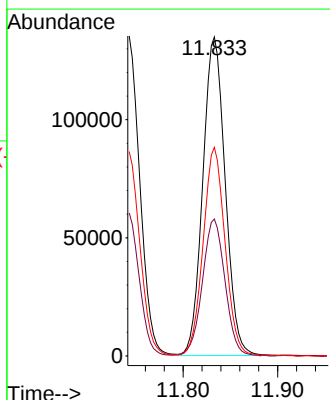
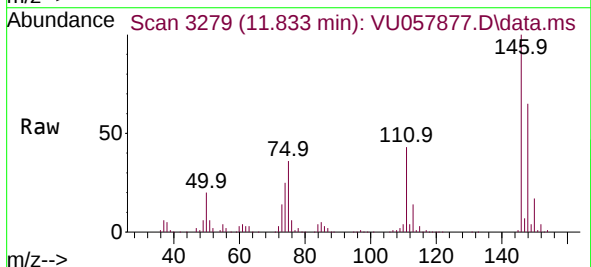
Instrument :
 MSVOA_U
 ClientSampleId :

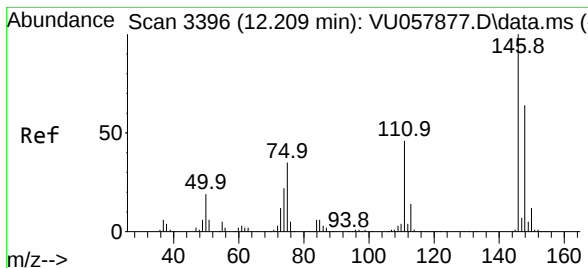
Tgt Ion:146 Resp: 220203
 Ion Ratio Lower Upper
 146 100
 111 44.7 31.1 57.7
 148 63.9 46.8 86.8



#65
 1,4-Dichlorobenzene
 Concen: 56.790 ug/L
 RT: 11.833 min Scan# 3279
 Delta R.T. 0.000 min
 Lab File: VU057877.D
 Acq: 19 Feb 2024 10:40

Tgt Ion:146 Resp: 221629
 Ion Ratio Lower Upper
 146 100
 111 42.9 30.5 56.7
 148 65.4 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 57.104 ug/L

RT: 12.209 min Scan# 3396

Delta R.T. 0.000 min

Lab File: VU057877.D

Acq: 19 Feb 2024 10:40

Instrument :

MSVOA_U

ClientSampleId :

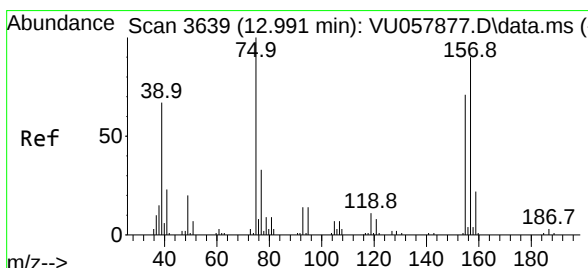
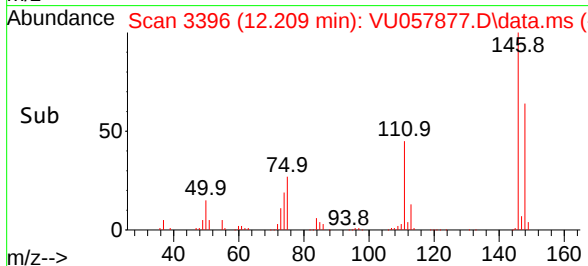
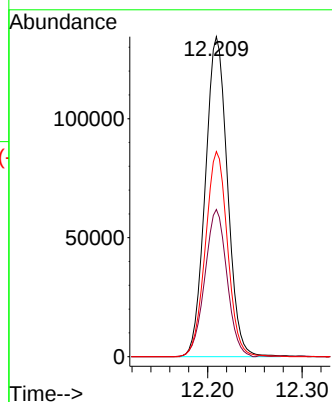
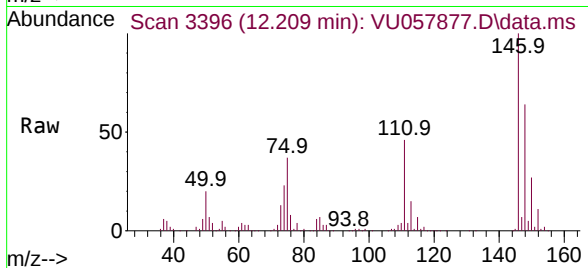
Tgt Ion:146 Resp: 219026

Ion Ratio Lower Upper

146 100

111 46.0 37.8 56.8

148 64.1 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 54.220 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU057877.D

Acq: 19 Feb 2024 10:40

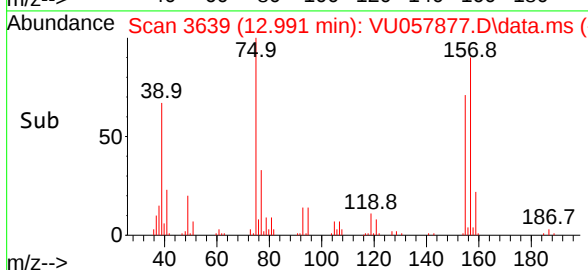
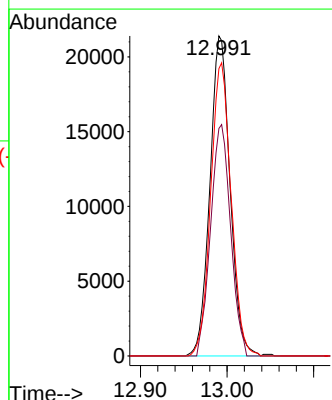
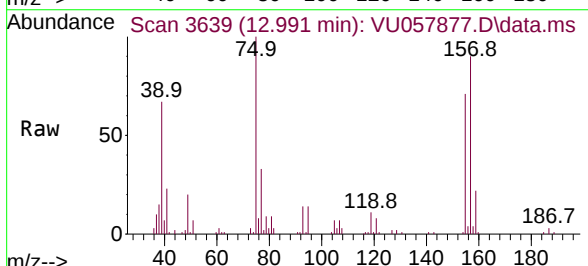
Tgt Ion: 75 Resp: 34604

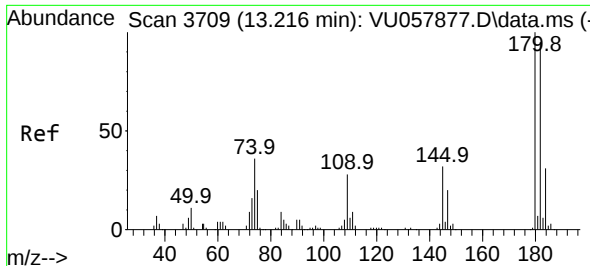
Ion Ratio Lower Upper

75 100

155 74.8 55.9 83.9

157 93.4 71.1 106.7





#69

1,3,5-Trichlorobenzene

Concen: 57.178 ug/L

RT: 13.216 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU057877.D

Acq: 19 Feb 2024 10:40

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:180 Resp: 153224

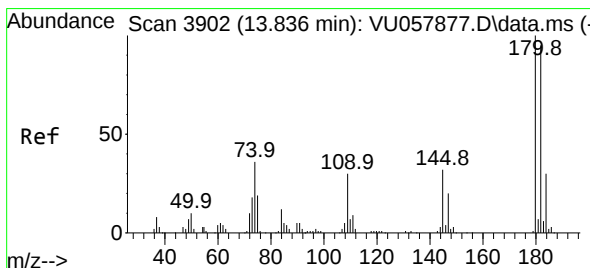
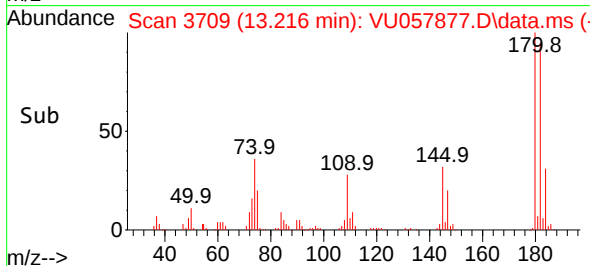
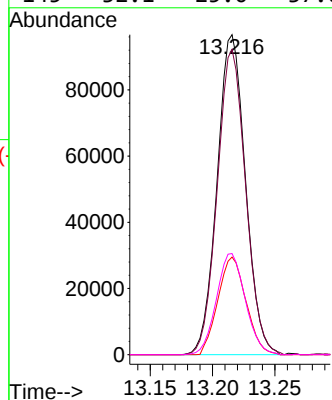
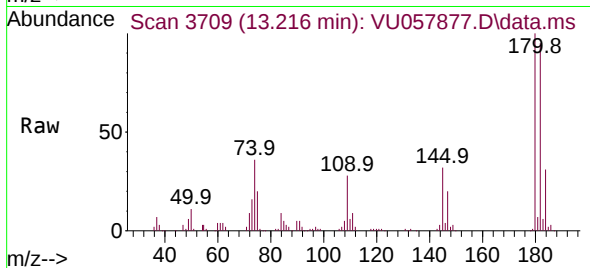
Ion Ratio Lower Upper

180 100

182 95.4 76.0 114.0

184 30.2 24.3 36.5

145 32.1 25.0 37.6



#70

1,2,4-trichlorobenzene

Concen: 56.104 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. 0.000 min

Lab File: VU057877.D

Acq: 19 Feb 2024 10:40

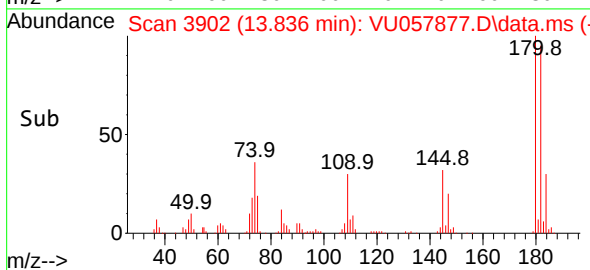
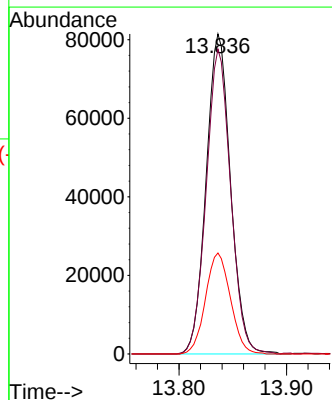
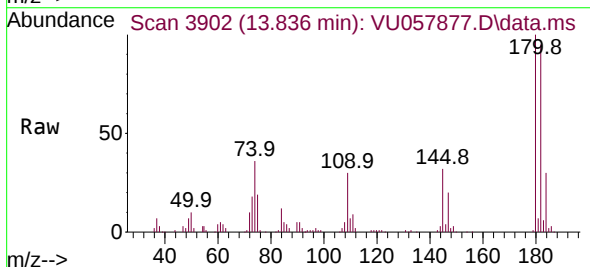
Tgt Ion:180 Resp: 128430

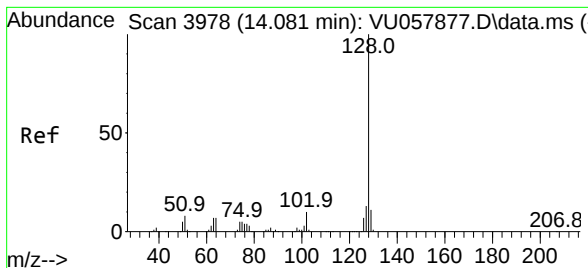
Ion Ratio Lower Upper

180 100

182 95.3 76.0 114.0

145 32.2 25.5 38.3





#71

Naphthalene

Concen: 54.375 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. -0.003 min

Lab File: VU057877.D

Acq: 19 Feb 2024 10:40

Instrument :

MSVOA_U

ClientSampleId :

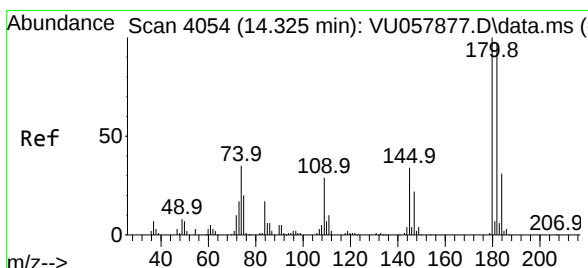
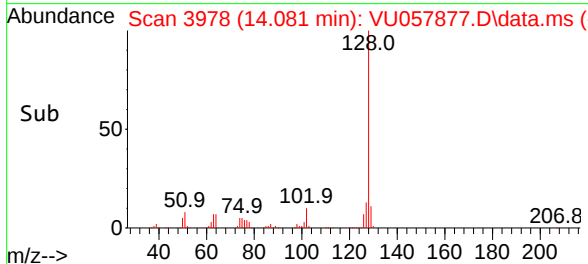
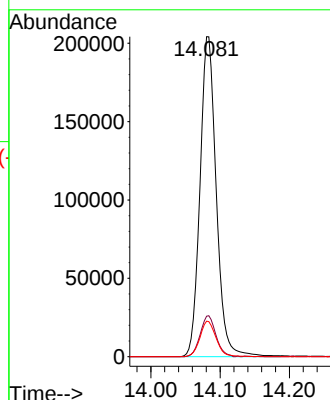
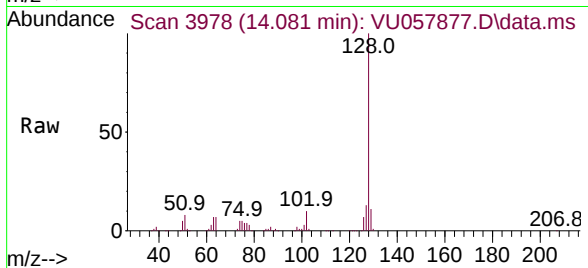
Tgt Ion:128 Resp: 333677

Ion Ratio Lower Upper

128 100

127 12.3 10.2 15.4

129 11.0 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 54.710 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU057877.D

Acq: 19 Feb 2024 10:40

Tgt Ion:180 Resp: 117187

Ion Ratio Lower Upper

180 100

182 97.3 76.6 114.8

145 34.8 27.7 41.5

