

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020724\
 Data File : VU057852.D
 Acq On : 07 Feb 2024 20:07
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Feb 08 01:31:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 08 01:18:21 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	258359	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	247323	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	128458	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	102239	49.441	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	98.880%		
7) Chloroethane-d5	1.882	69	75322	46.951	ug/L	-0.03
Spiked Amount 50.000	Range 70 - 130		Recovery =	93.900%		
11) 1,1-Dichloroethene-d2	2.557	63	177794	46.813	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	93.620%		
21) 2-Butanone-d5	4.611	46	88235	76.883	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	76.880%		
24) Chloroform-d	5.052	84	172464	47.015	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.020%		
26) 1,2-Dichloroethane-d4	5.688	65	110350	47.453	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	94.900%		
32) Benzene-d6	5.717	84	344979	46.172	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.340%		
36) 1,2-Dichloropropane-d6	6.682	67	110799	46.959	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	93.920%		
41) Toluene-d8	7.891	98	306502	45.249	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	90.500%		
43) trans-1,3-Dichloroprop...	8.174	79	53525	46.372	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	92.740%		
47) 2-Hexanone-d5	8.627	63	106331	110.405	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	110.400%		
56) 1,1,2,2-Tetrachloroeth...	10.749	84	168330	54.804	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	109.600%		
66) 1,2-Dichlorobenzene-d4	12.187	152	121011	49.033	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.060%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.377	85	119412	52.278	ug/L	100
3) Chloromethane	1.515	50	117129	54.830	ug/L	100
5) Vinyl chloride	1.599	62	123858	54.877	ug/L	98
6) Bromomethane	1.824	94	39563	28.494	ug/L	100
8) Chloroethane	1.904	64	69099	51.285	ug/L	96
9) Trichlorofluoromethane	2.119	101	156559	49.610	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.566	101	93735	50.323	ug/L	99
12) 1,1-Dichloroethene	2.566	96	85880	50.483	ug/L	97
13) Acetone	2.615	43	91708	62.202	ug/L	99
14) Carbon disulfide	2.779	76	258642	49.235	ug/L	100
15) Methyl Acetate	2.936	43	100938	53.814	ug/L	100
16) Methylene chloride	3.033	84	100510	51.138	ug/L	99
17) trans-1,2-Dichloroethene	3.338	96	87462	50.453	ug/L	99
18) Methyl tert-butyl Ether	3.351	73	315500	51.846	ug/L	100
19) 1,1-Dichloroethane	3.856	63	180608	51.915	ug/L	99
20) cis-1,2-Dichloroethene	4.653	96	100866	50.409	ug/L	99
22) 2-Butanone	4.689	43	143459	91.306	ug/L	100
23) Bromochloromethane	4.962	128	50087	51.059	ug/L	96
25) Chloroform	5.078	83	181665	50.991	ug/L	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU020724\
 Data File : VU057852.D
 Acq On : 07 Feb 2024 20:07
 Operator : MD/SY
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 27 Sample Multiplier: 1

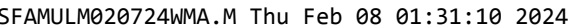
Instrument :
 MSVOA_U
 ClientSampleId :

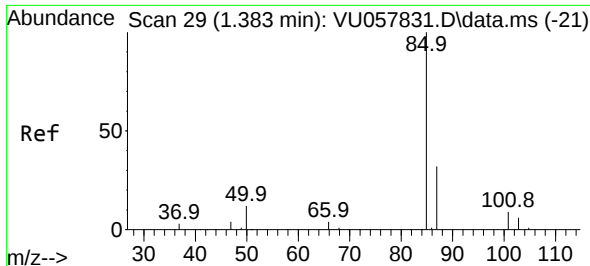
Quant Time: Feb 08 01:31:01 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 08 01:18:21 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.782	62	149153	50.555	ug/L	100
29) Cyclohexane	5.377	56	161464	50.171	ug/L	97
30) 1,1,1-Trichloroethane	5.306	97	158315	49.628	ug/L	99
31) Carbon tetrachloride	5.515	117	136652	49.200	ug/L	100
33) Benzene	5.762	78	403794	51.575	ug/L	100
34) Trichloroethene	6.534	95	103147	48.995	ug/L	99
35) Methylcyclohexane	6.756	83	160711	47.717	ug/L	98
37) 1,2-Dichloropropane	6.782	63	108713	50.647	ug/L	100
38) Bromodichloromethane	7.097	83	135360	50.085	ug/L	99
39) cis-1,3-Dichloropropene	7.598	75	164567	47.300	ug/L	98
40) 4-Methyl-2-pentanone	7.785	43	305080	114.178	ug/L	100
42) Toluene	7.962	91	413477	50.425	ug/L	100
44) trans-1,3-Dichloropropene	8.203	75	159165	49.830	ug/L	97
45) 1,1,2-Trichloroethane	8.393	97	101082	50.999	ug/L	99
46) Tetrachloroethene	8.547	164	70592	48.344	ug/L	94
48) 2-Hexanone	8.679	43	241709	103.987	ug/L	97
49) Dibromochloromethane	8.804	129	102917	51.483	ug/L	100
50) 1,2-Dibromoethane	8.917	107	107483	50.755	ug/L	99
51) Chlorobenzene	9.441	112	580837	111.534	ug/L	98
52) Ethylbenzene	9.563	91	464365	49.923	ug/L	99
53) m,p-Xylene	9.688	106	170402	49.847	ug/L	96
54) o-Xylene	10.093	106	170072	51.093	ug/L	96
55) Styrene	10.110	104	297110	53.469	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	188213	58.923	ug/L	99
59) Bromoform	10.286	173	79150	53.042	ug/L	98
60) 1,2,3-Trichloropropane	10.817	75	147464	54.840	ug/L	100
61) Isopropylbenzene	10.479	105	466696	49.732	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	404591	51.376	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	409290	51.928	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	216615	53.274	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	304520	73.016	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	292128	71.269	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.990	75	38848	56.959	ug/L	87
69) 1,3,5-Trichlorobenzene	13.216	180	139477	48.704	ug/L	100
70) 1,2,4-trichlorobenzene	13.836	180	134810	55.107	ug/L	99
71) Naphthalene	14.084	128	342523	52.230	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	119178	52.065	ug/L	99

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

Quant Time: Feb 08 01:31:01 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020724WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Feb 08 01:18:21 2024
Response via : Initial Calibration

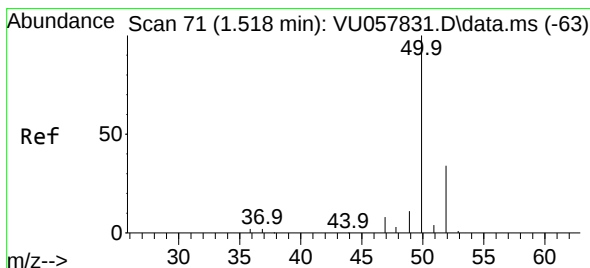
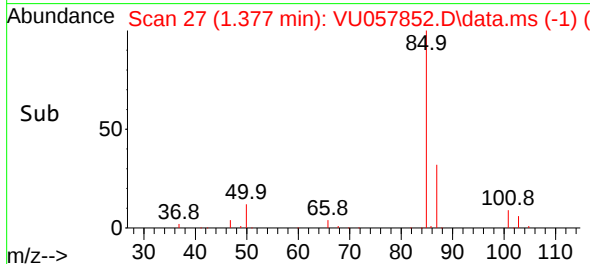
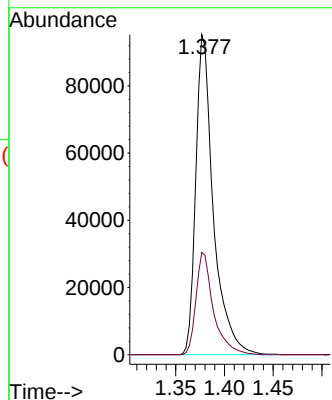
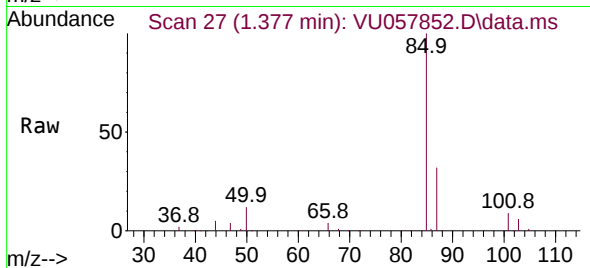




#2
Dichlorodifluoromethane
Concen: 52.278 ug/L
RT: 1.377 min Scan# 21
Delta R.T. -0.007 min
Lab File: VU057852.D
Acq: 07 Feb 2024 20:07

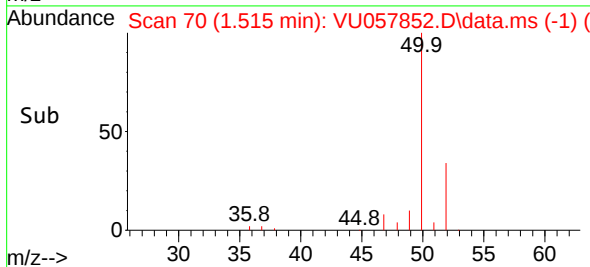
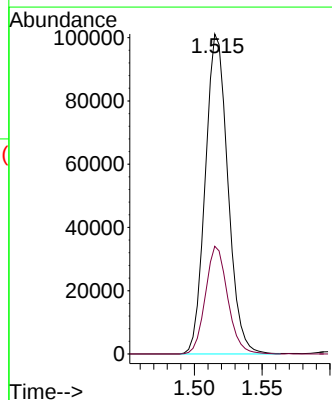
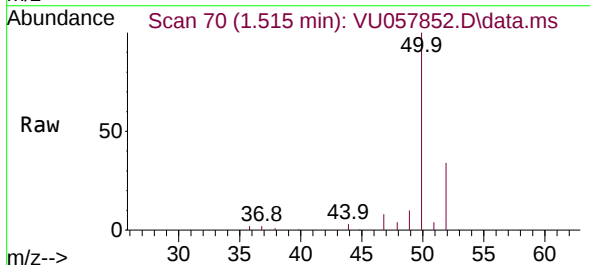
Instrument :
MSVOA_U
ClientSampleId :

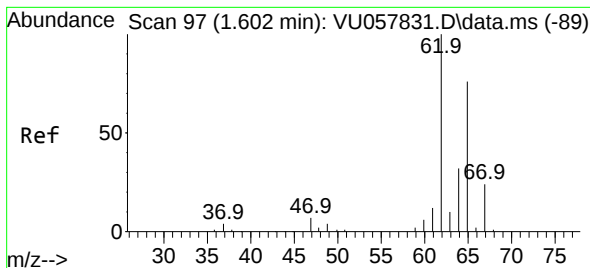
Tgt Ion: 85 Resp: 119412
Ion Ratio Lower Upper
85 100
87 31.6 25.4 38.0



#3
Chloromethane
Concen: 54.830 ug/L
RT: 1.515 min Scan# 70
Delta R.T. -0.003 min
Lab File: VU057852.D
Acq: 07 Feb 2024 20:07

Tgt Ion: 50 Resp: 117129
Ion Ratio Lower Upper
50 100
52 33.6 23.7 43.9





#5

Vinyl chloride

Concen: 54.877 ug/L

RT: 1.599 min Scan# 9

Delta R.T. -0.003 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

Instrument :

MSVOA_U

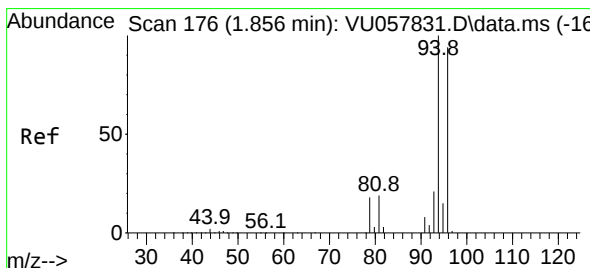
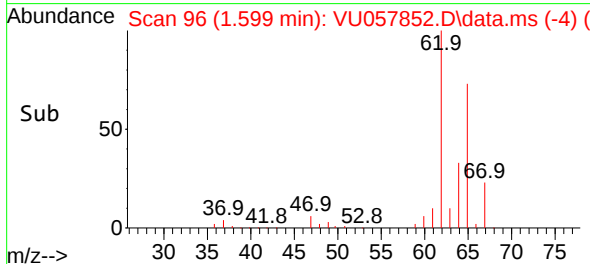
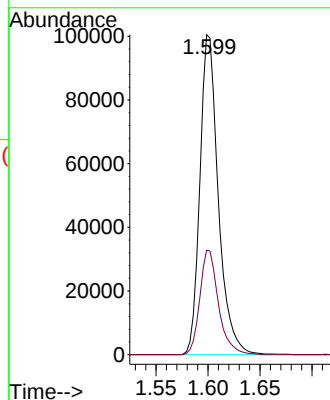
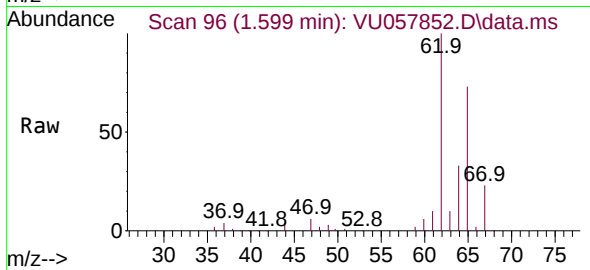
ClientSampleId :

Tgt Ion: 62 Resp: 123858

Ion Ratio Lower Upper

62 100

64 32.6 22.1 41.1



#6

Bromomethane

Concen: 28.494 ug/L

RT: 1.824 min Scan# 166

Delta R.T. -0.032 min

Lab File: VU057852.D

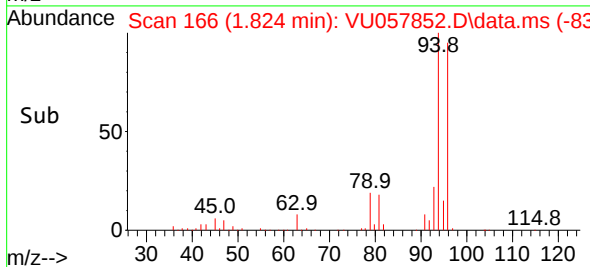
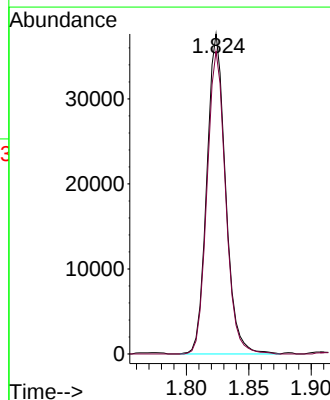
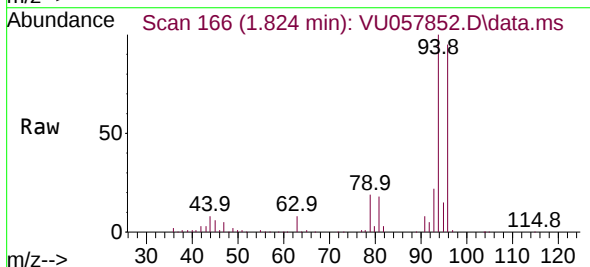
Acq: 07 Feb 2024 20:07

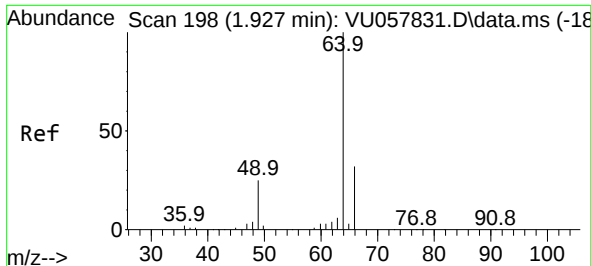
Tgt Ion: 94 Resp: 39563

Ion Ratio Lower Upper

94 100

96 94.6 66.0 122.6

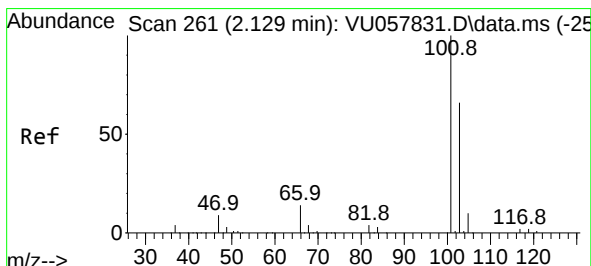
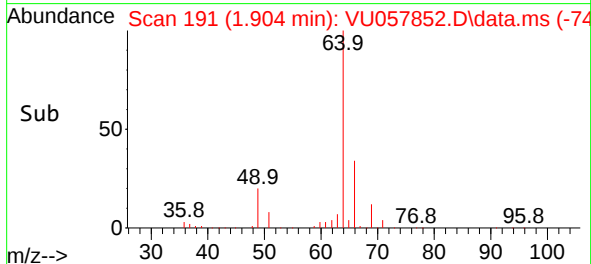
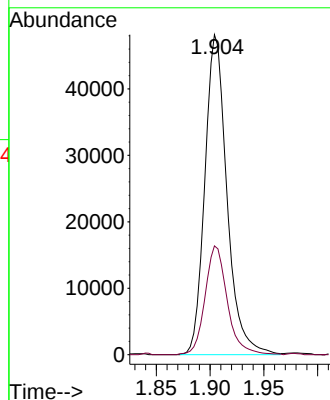
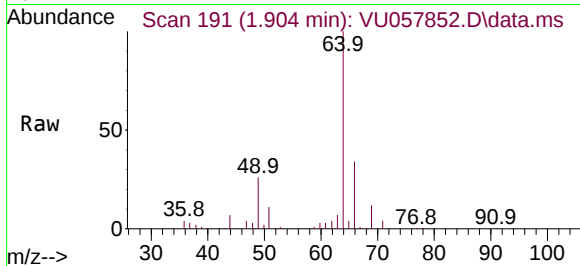




#8
Chloroethane
Concen: 51.285 ug/L
RT: 1.904 min Scan# 19
Delta R.T. -0.023 min
Lab File: VU057852.D
Acq: 07 Feb 2024 20:07

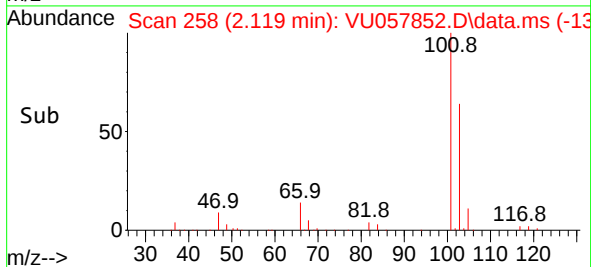
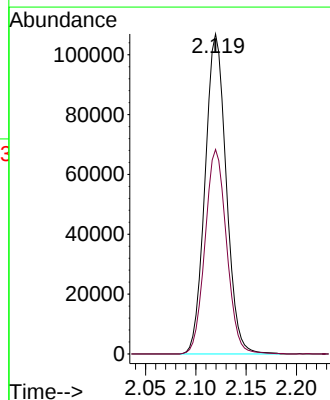
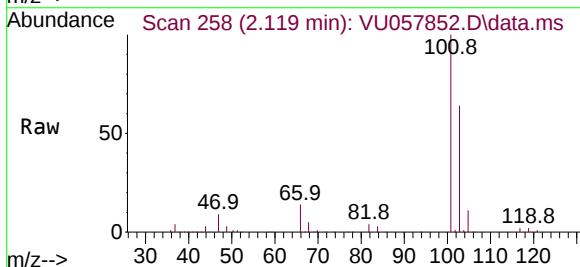
Instrument :
MSVOA_U
ClientSampleId :

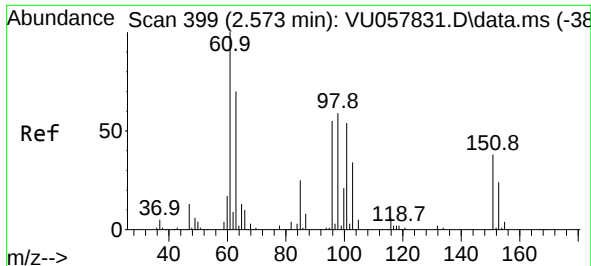
Tgt Ion: 64 Resp: 69099
Ion Ratio Lower Upper
64 100
66 34.0 22.1 41.1



#9
Trichlorofluoromethane
Concen: 49.610 ug/L
RT: 2.119 min Scan# 258
Delta R.T. -0.010 min
Lab File: VU057852.D
Acq: 07 Feb 2024 20:07

Tgt Ion:101 Resp: 156559
Ion Ratio Lower Upper
101 100
103 64.9 52.4 78.6

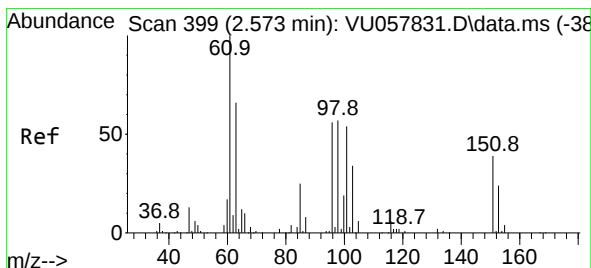
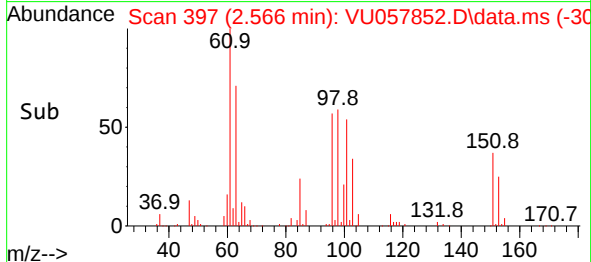
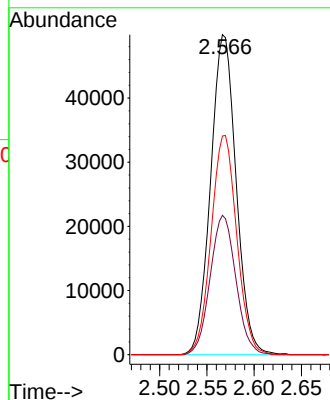
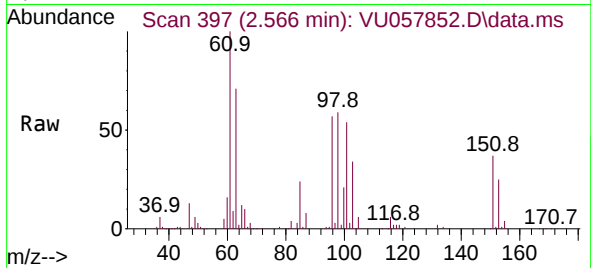




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 50.323 ug/L
 RT: 2.566 min Scan# 397
 Delta R.T. -0.007 min
 Lab File: VU057852.D
 Acq: 07 Feb 2024 20:07

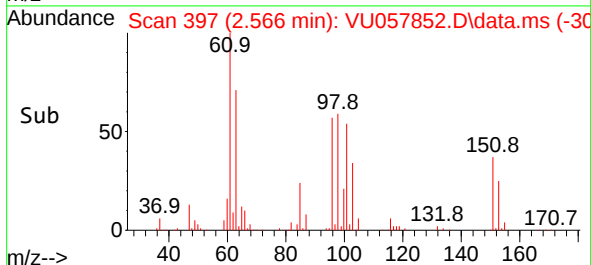
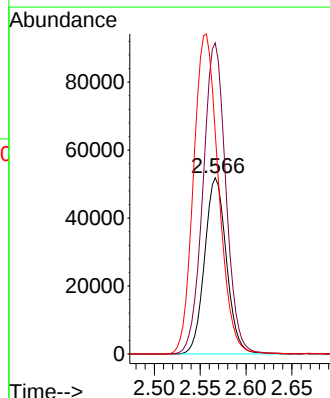
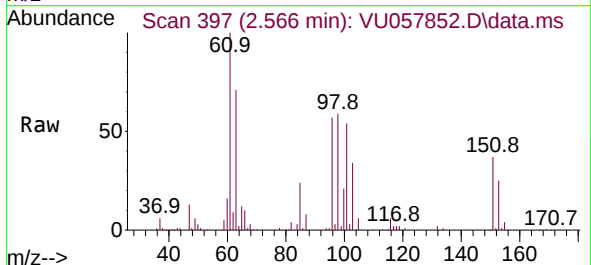
Instrument :
 MSVOA_U
 ClientSampleId :

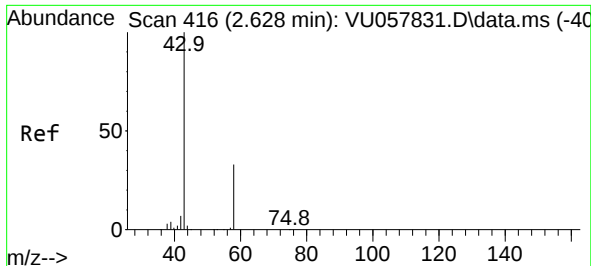
Tgt Ion:101 Resp: 93735
 Ion Ratio Lower Upper
 101 100
 85 43.9 36.1 54.1
 151 68.9 55.8 83.6



#12
 1,1-Dichloroethene
 Concen: 50.483 ug/L
 RT: 2.566 min Scan# 397
 Delta R.T. -0.007 min
 Lab File: VU057852.D
 Acq: 07 Feb 2024 20:07

Tgt Ion: 96 Resp: 85880
 Ion Ratio Lower Upper
 96 100
 61 176.5 126.3 234.6
 63 125.5 89.7 166.7





#13

Acetone

Concen: 62.202 ug/L

RT: 2.615 min Scan# 41

Delta R.T. -0.013 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

Instrument :

MSVOA_U

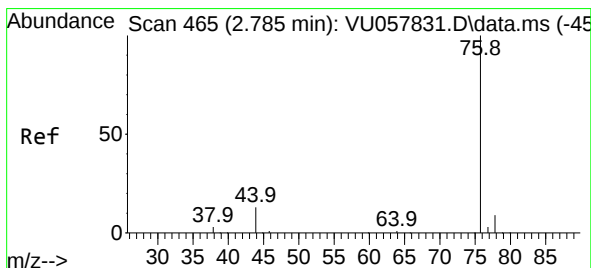
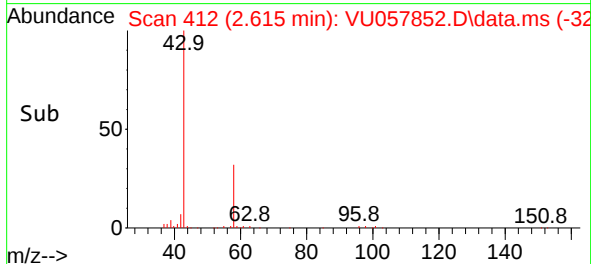
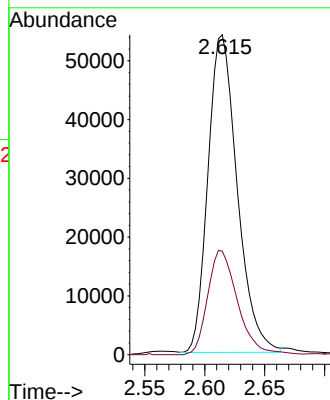
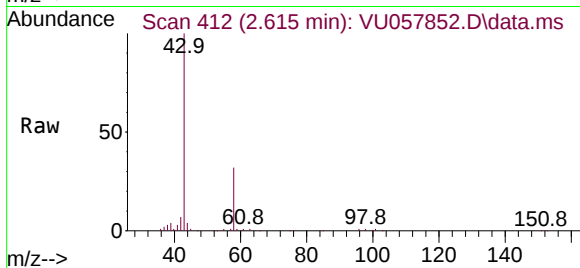
ClientSampleId :

Tgt Ion: 43 Resp: 91708

Ion Ratio Lower Upper

43 100

58 33.6 0.0 65.8



#14

Carbon disulfide

Concen: 49.235 ug/L

RT: 2.779 min Scan# 463

Delta R.T. -0.007 min

Lab File: VU057852.D

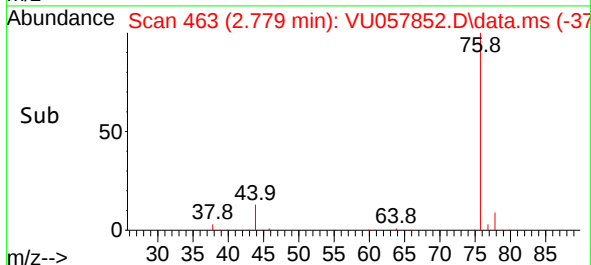
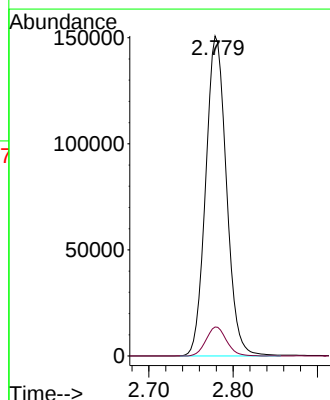
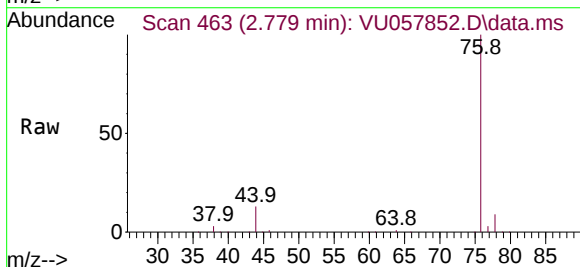
Acq: 07 Feb 2024 20:07

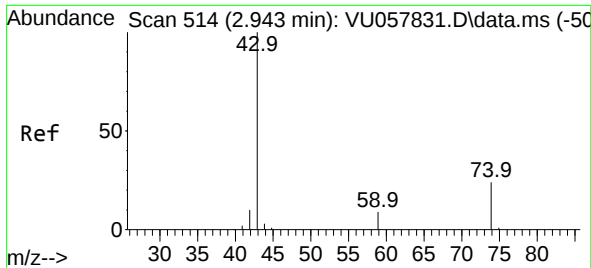
Tgt Ion: 76 Resp: 258642

Ion Ratio Lower Upper

76 100

78 9.1 7.2 10.8

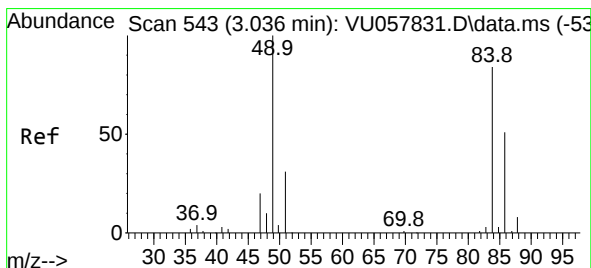
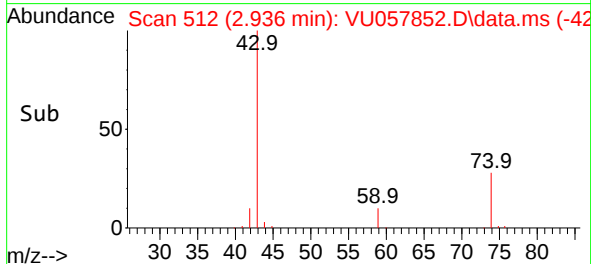
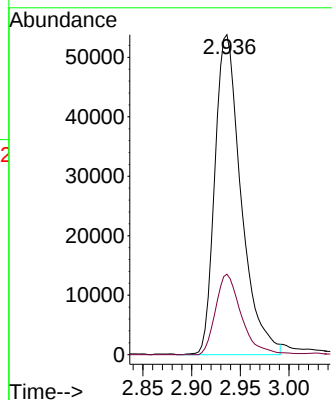
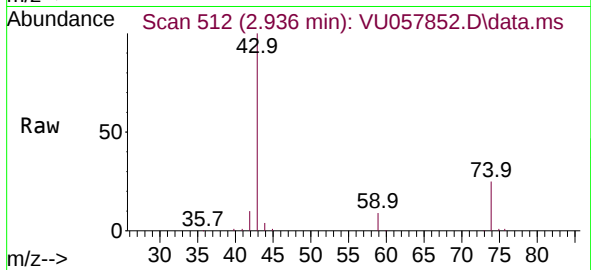




#15
Methyl Acetate
Concen: 53.814 ug/L
RT: 2.936 min Scan# 514
Delta R.T. -0.007 min
Lab File: VU057852.D
Acq: 07 Feb 2024 20:07

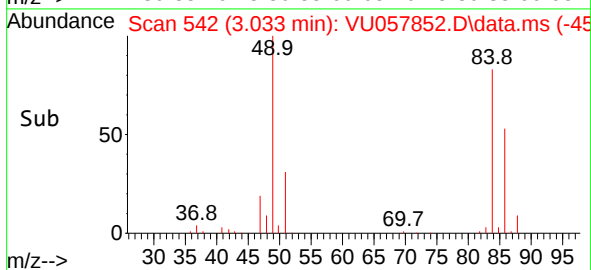
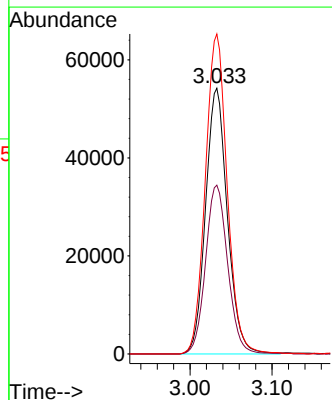
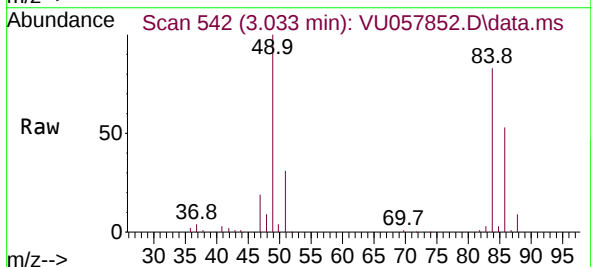
Instrument :
MSVOA_U
ClientSampleId :

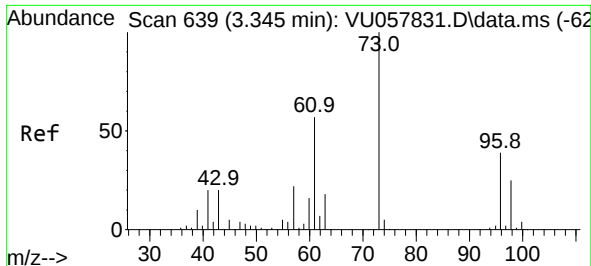
Tgt Ion: 43 Resp: 100938
Ion Ratio Lower Upper
43 100
74 24.8 19.7 29.5



#16
Methylene chloride
Concen: 51.138 ug/L
RT: 3.033 min Scan# 542
Delta R.T. -0.003 min
Lab File: VU057852.D
Acq: 07 Feb 2024 20:07

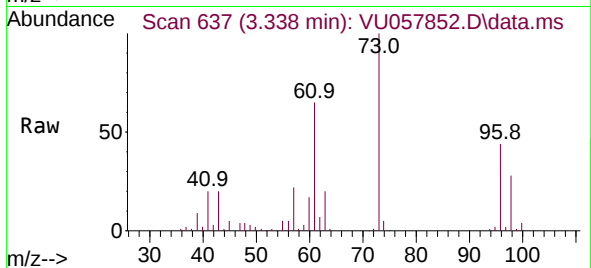
Tgt Ion: 84 Resp: 100510
Ion Ratio Lower Upper
84 100
86 63.5 43.0 80.0
49 120.4 83.7 155.4



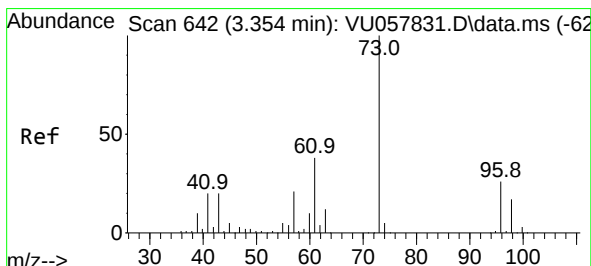
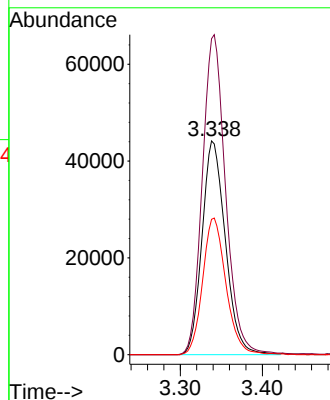
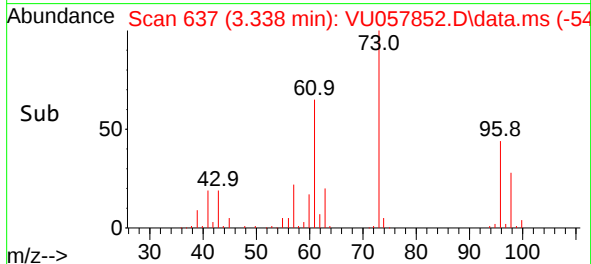


#17
trans-1,2-Dichloroethene
Concen: 50.453 ug/L
RT: 3.338 min Scan# 61
Delta R.T. -0.007 min
Lab File: VU057852.D
Acq: 07 Feb 2024 20:07

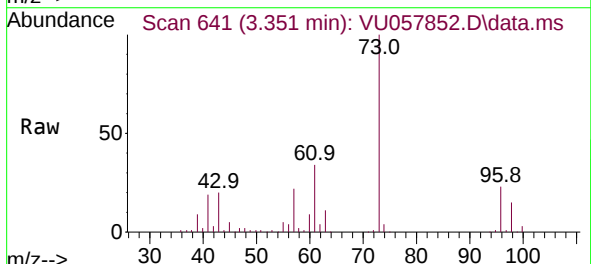
Instrument :
MSVOA_U
ClientSampleId :



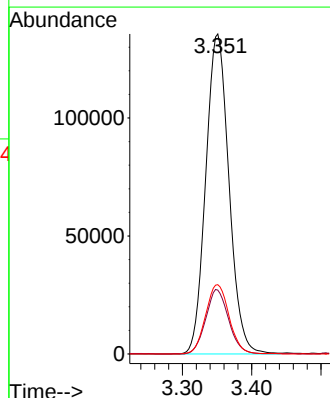
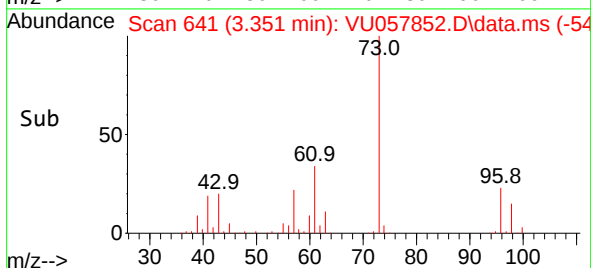
Tgt Ion: 96 Resp: 87462
Ion Ratio Lower Upper
96 100
61 147.8 102.8 190.8
98 63.3 44.2 82.2

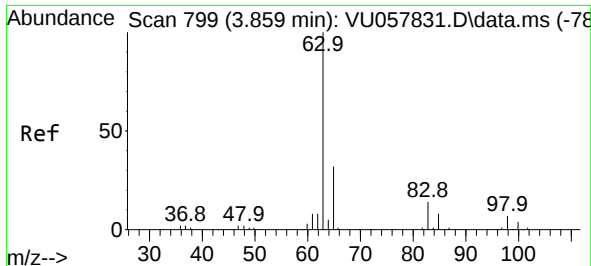


#18
Methyl tert-butyl Ether
Concen: 51.846 ug/L
RT: 3.351 min Scan# 641
Delta R.T. -0.003 min
Lab File: VU057852.D
Acq: 07 Feb 2024 20:07



Tgt Ion: 73 Resp: 315500
Ion Ratio Lower Upper
73 100
43 19.8 16.2 24.2
57 21.9 17.6 26.4





#19

1,1-Dichloroethane

Concen: 51.915 ug/L

RT: 3.856 min Scan# 799

Delta R.T. -0.003 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

Instrument :

MSVOA_U

ClientSampleId :

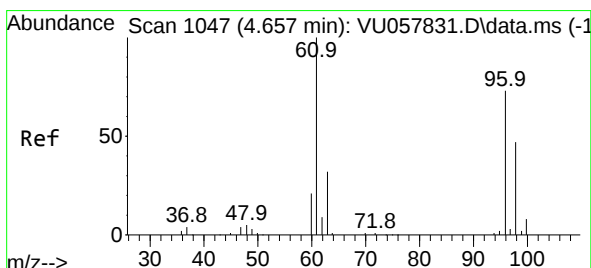
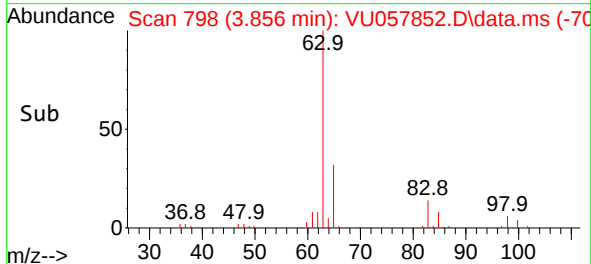
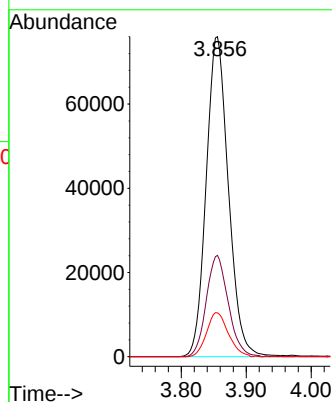
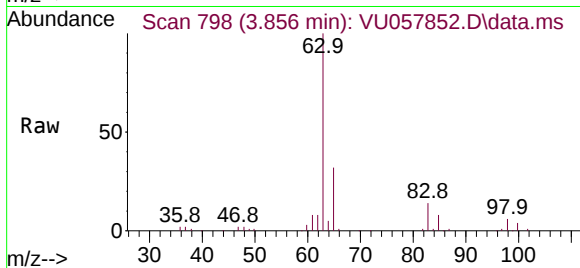
Tgt Ion: 63 Resp: 180608

Ion Ratio Lower Upper

63 100

65 31.6 22.7 42.3

83 13.7 9.5 17.7



#20

cis-1,2-Dichloroethene

Concen: 50.409 ug/L

RT: 4.653 min Scan# 1046

Delta R.T. -0.003 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

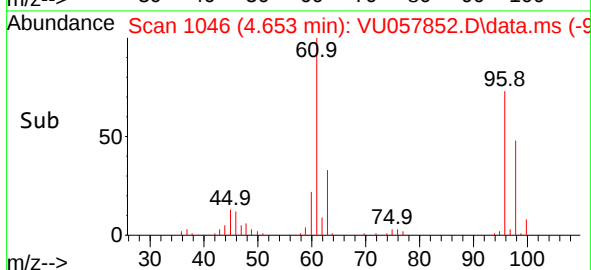
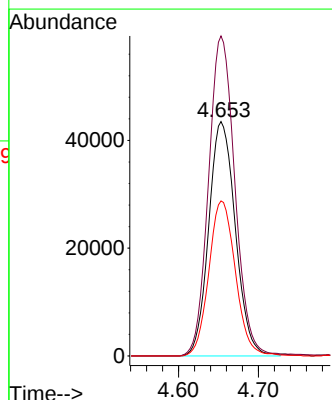
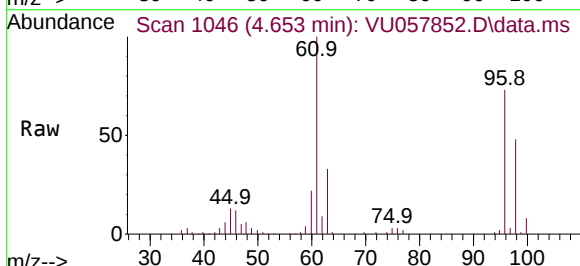
Tgt Ion: 96 Resp: 100866

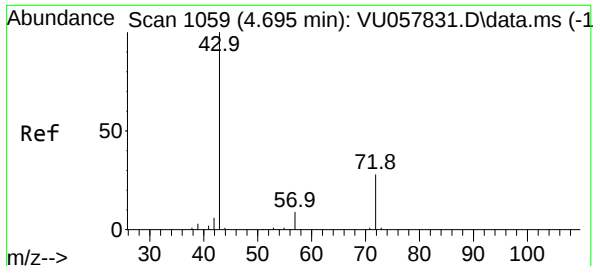
Ion Ratio Lower Upper

96 100

61 136.5 95.7 177.7

98 66.1 45.2 84.0





#22

2-Butanone

Concen: 91.306 ug/L

RT: 4.689 min Scan# 1057

Delta R.T. -0.007 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

Instrument :

MSVOA_U

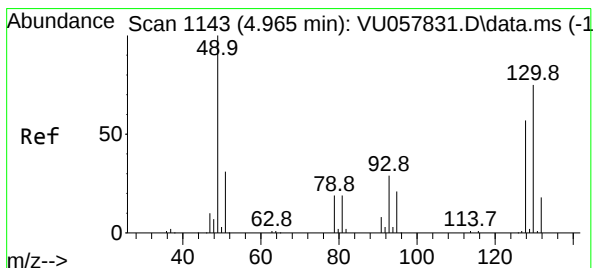
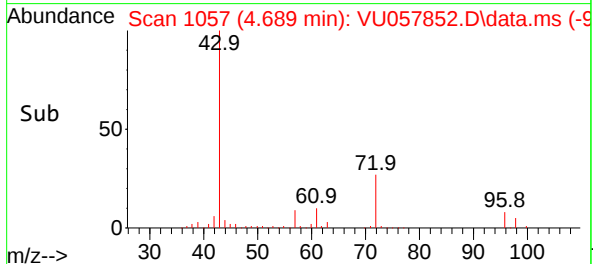
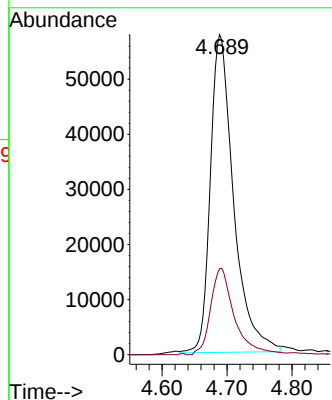
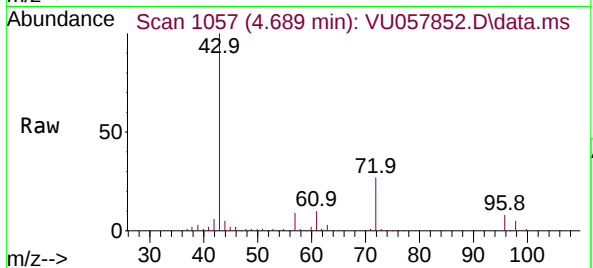
ClientSampleId :

Tgt Ion: 43 Resp: 143459

Ion Ratio Lower Upper

43 100

72 27.7 13.8 41.3



#23

Bromochloromethane

Concen: 51.059 ug/L

RT: 4.962 min Scan# 1142

Delta R.T. -0.003 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

Tgt Ion:128 Resp: 50087

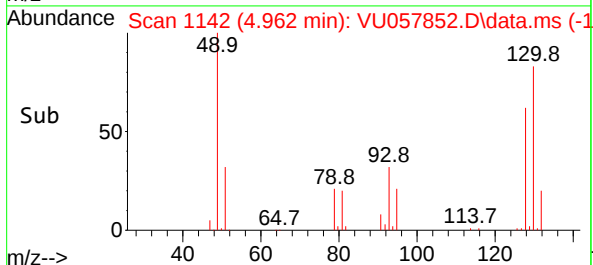
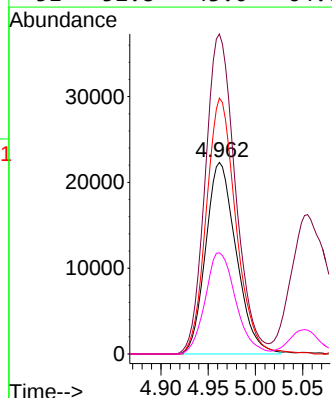
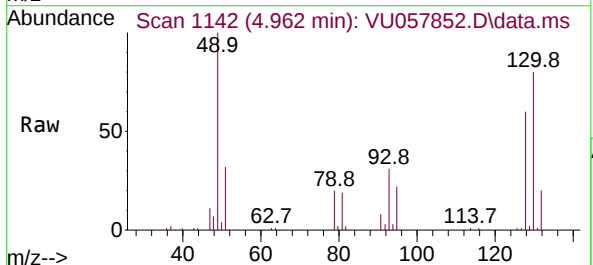
Ion Ratio Lower Upper

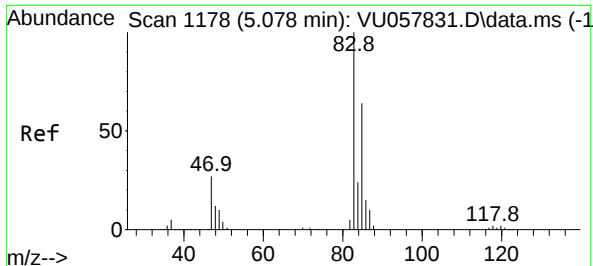
128 100

49 167.0 122.4 227.2

130 133.5 91.8 170.4

51 52.8 43.0 64.6





#25

Chloroform

Concen: 50.991 ug/L

RT: 5.078 min Scan# 1178

Delta R.T. -0.000 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

Instrument :

MSVOA_U

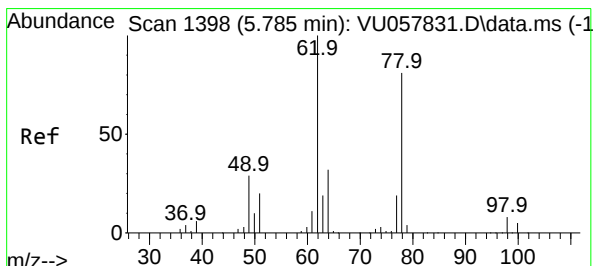
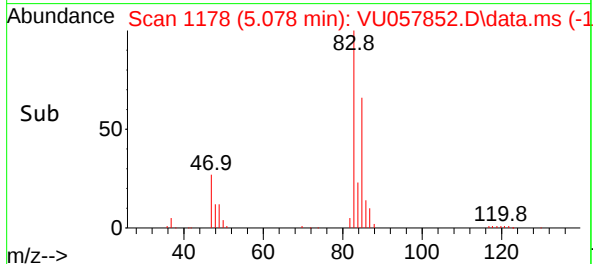
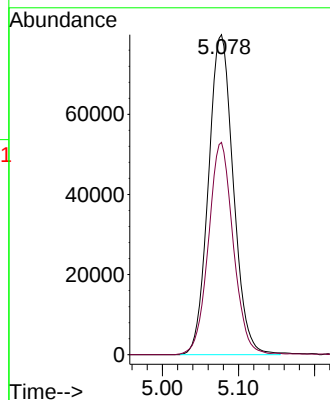
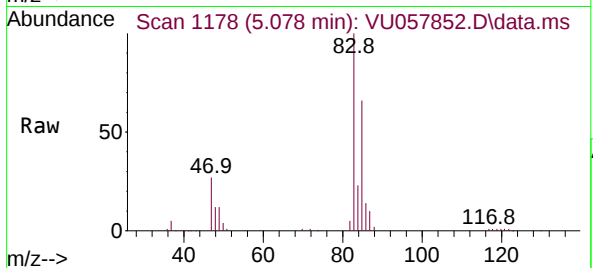
ClientSampleId :

Tgt Ion: 83 Resp: 181665

Ion Ratio Lower Upper

83 100

85 66.4 45.0 83.6



#27

1,2-Dichloroethane

Concen: 50.555 ug/L

RT: 5.782 min Scan# 1397

Delta R.T. -0.003 min

Lab File: VU057852.D

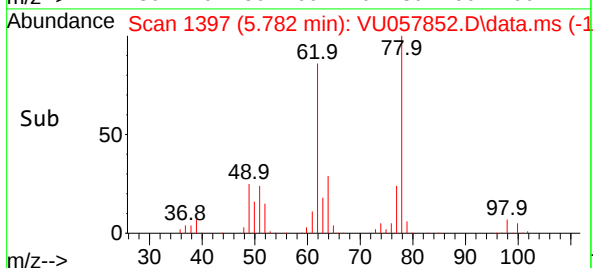
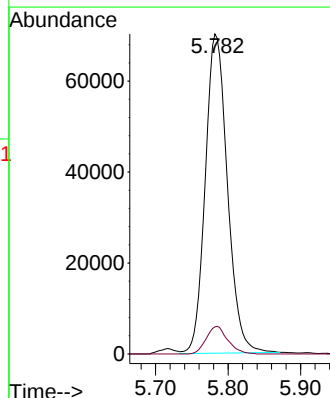
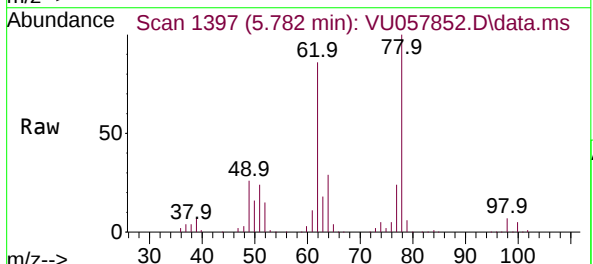
Acq: 07 Feb 2024 20:07

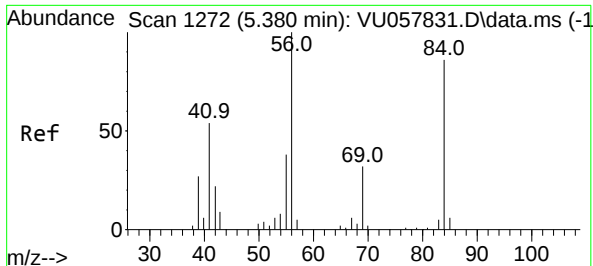
Tgt Ion: 62 Resp: 149153

Ion Ratio Lower Upper

62 100

98 8.5 6.7 10.1





#29

Cyclohexane

Concen: 50.171 ug/L

RT: 5.377 min Scan# 1271

Delta R.T. -0.003 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

Instrument :

MSVOA_U

ClientSampleId :

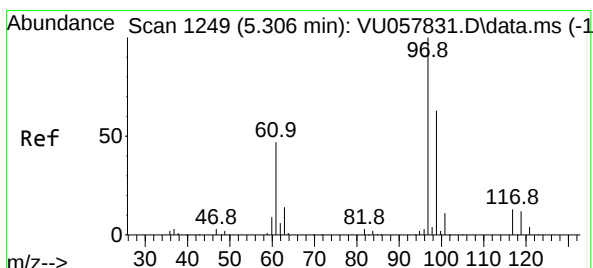
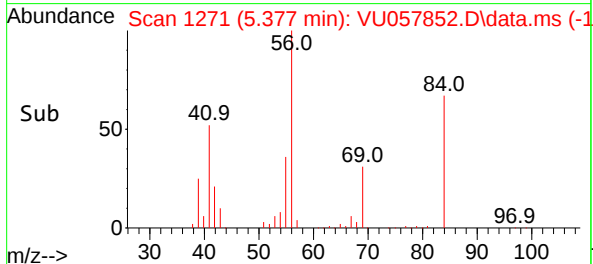
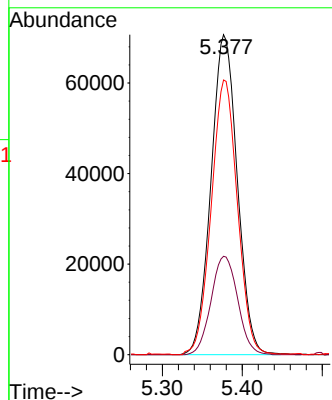
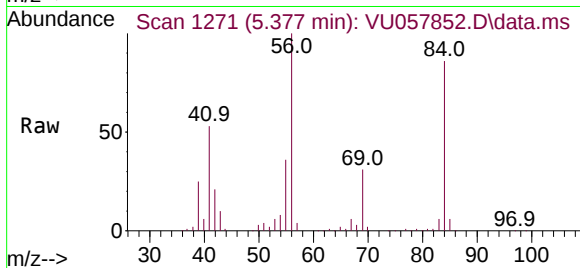
Tgt Ion: 56 Resp: 161464

Ion Ratio Lower Upper

56 100

69 31.1 25.4 38.0

84 85.2 70.4 105.6



#30

1,1,1-Trichloroethane

Concen: 49.628 ug/L

RT: 5.306 min Scan# 1249

Delta R.T. -0.000 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

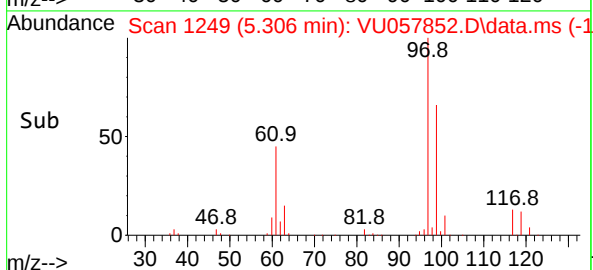
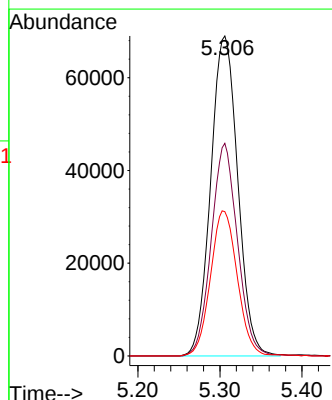
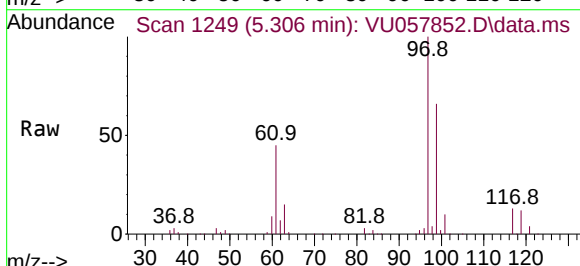
Tgt Ion: 97 Resp: 158315

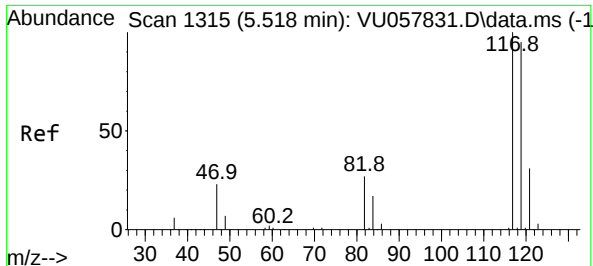
Ion Ratio Lower Upper

97 100

99 64.4 51.5 77.3

61 44.9 36.7 55.1

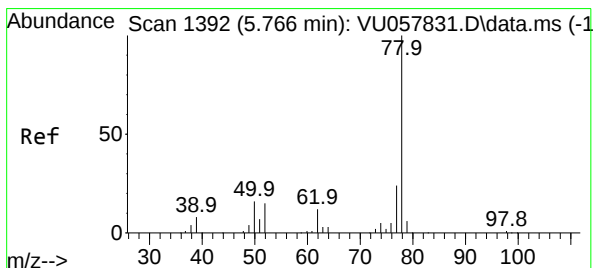
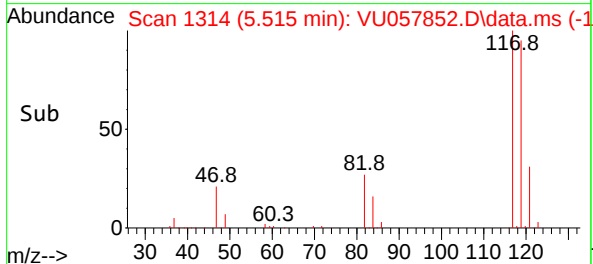
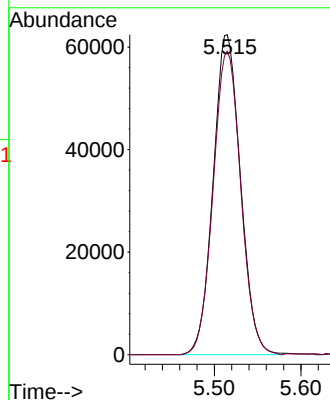
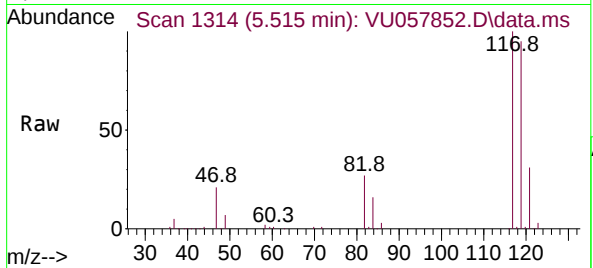




#31
Carbon tetrachloride
Concen: 49.200 ug/L
RT: 5.515 min Scan# 1315
Delta R.T. -0.003 min
Lab File: VU057852.D
Acq: 07 Feb 2024 20:07

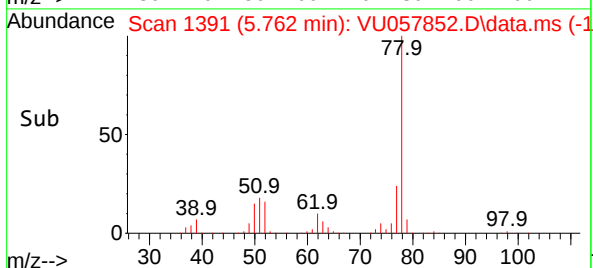
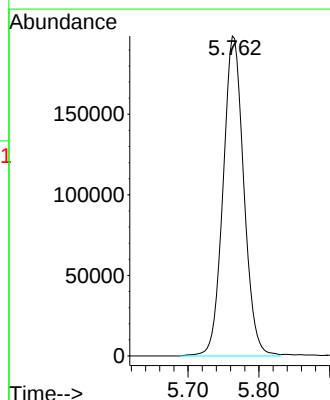
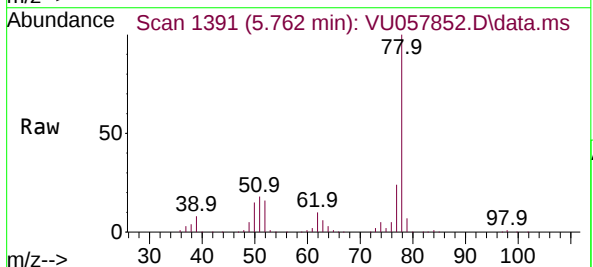
Instrument :
MSVOA_U
ClientSampleId :

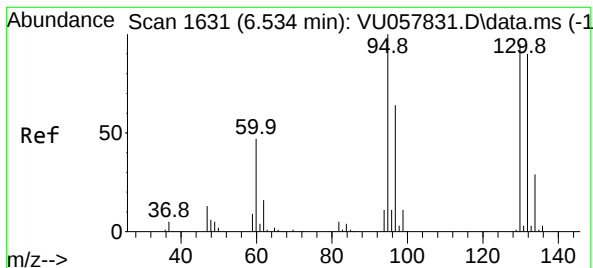
Tgt Ion:117 Resp: 136652
Ion Ratio Lower Upper
117 100
119 96.0 76.7 115.1



#33
Benzene
Concen: 51.575 ug/L
RT: 5.762 min Scan# 1391
Delta R.T. -0.003 min
Lab File: VU057852.D
Acq: 07 Feb 2024 20:07

Tgt Ion: 78 Resp: 403794





#34

Trichloroethene

Concen: 48.995 ug/L

RT: 6.534 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 103147

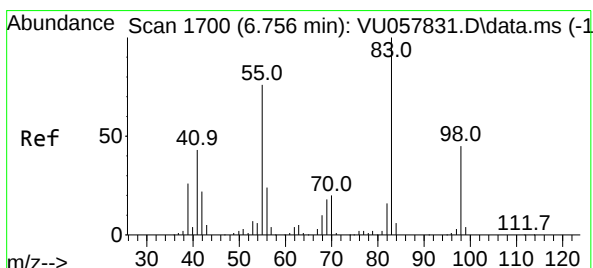
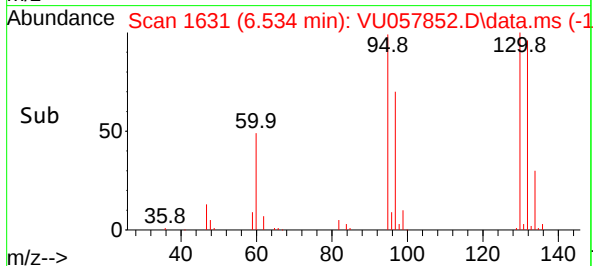
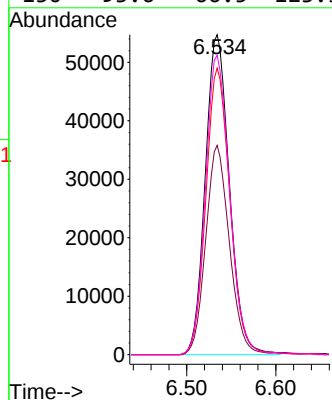
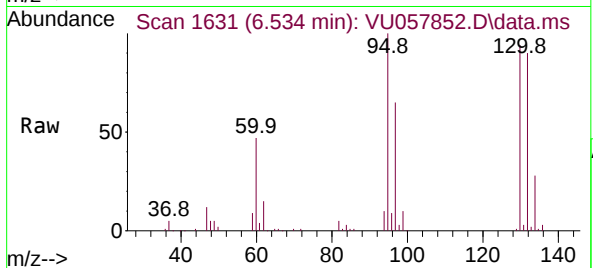
Ion Ratio Lower Upper

95 100

97 65.4 44.9 83.5

132 89.5 63.1 117.1

130 93.6 66.5 123.5



#35

Methylcyclohexane

Concen: 47.717 ug/L

RT: 6.756 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

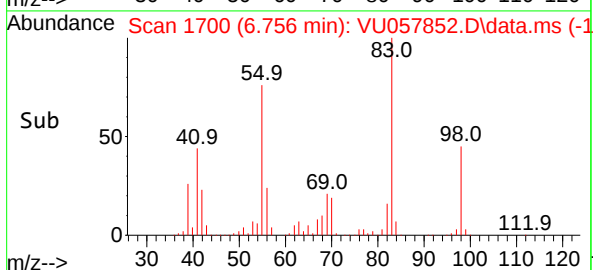
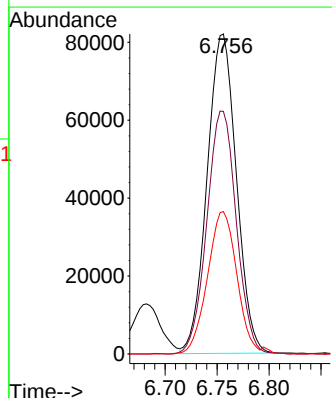
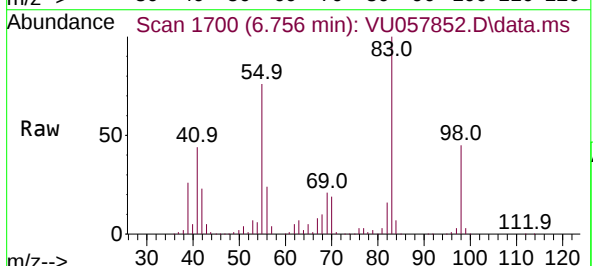
Tgt Ion: 83 Resp: 160711

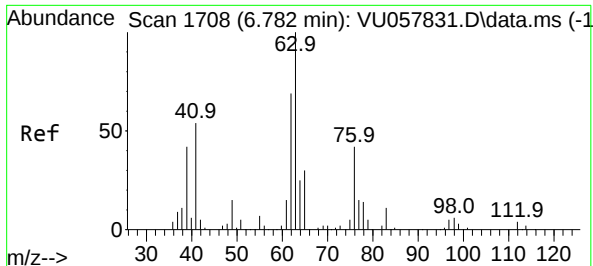
Ion Ratio Lower Upper

83 100

55 76.6 59.9 89.9

98 44.5 36.8 55.2





#37

1,2-Dichloropropane

Concen: 50.647 ug/L

RT: 6.782 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

Instrument :

MSVOA_U

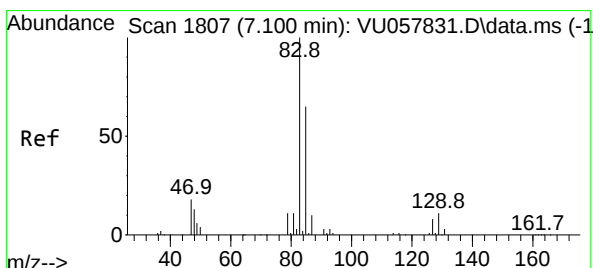
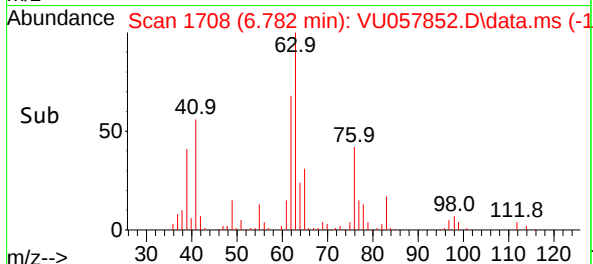
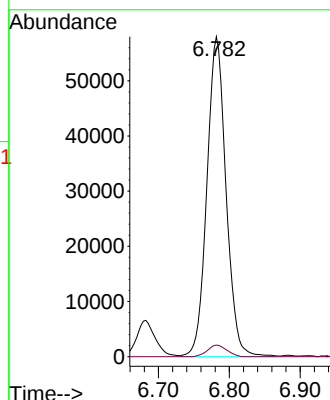
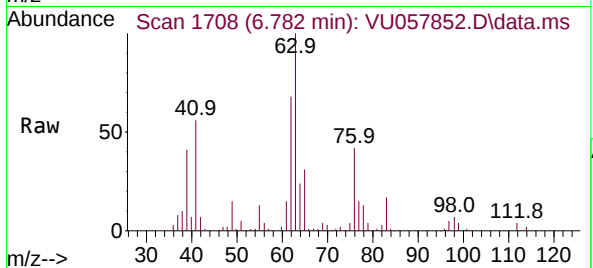
ClientSampleId :

Tgt Ion: 63 Resp: 108713

Ion Ratio Lower Upper

63 100

112 3.7 3.0 4.6



#38

Bromodichloromethane

Concen: 50.085 ug/L

RT: 7.097 min Scan# 1806

Delta R.T. -0.003 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

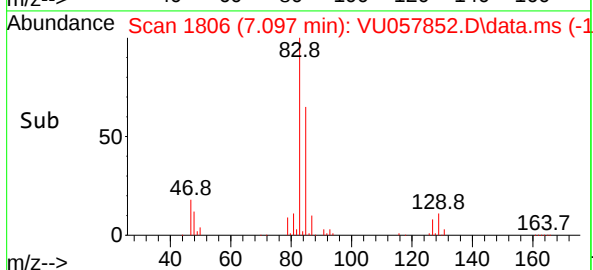
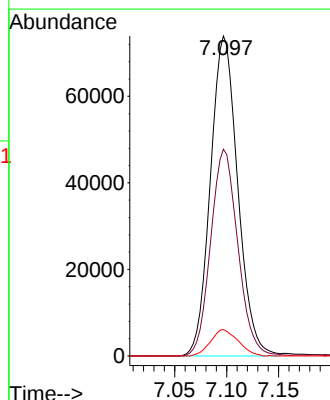
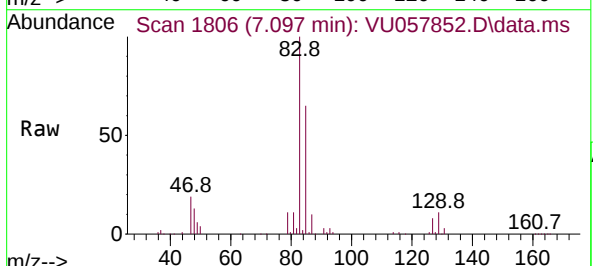
Tgt Ion: 83 Resp: 135360

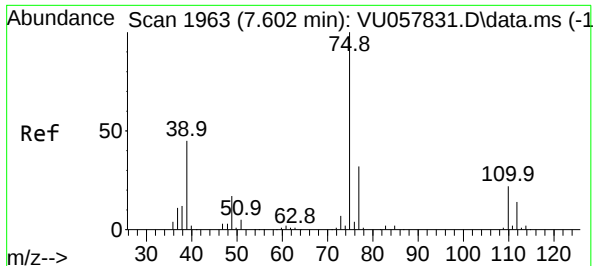
Ion Ratio Lower Upper

83 100

85 64.6 45.6 84.6

127 9.1 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 47.300 ug/L

RT: 7.598 min Scan# 1962

Delta R.T. -0.003 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

Instrument :

MSVOA_U

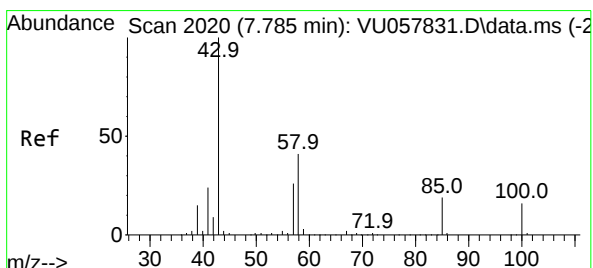
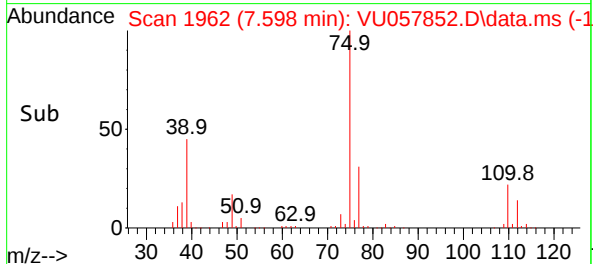
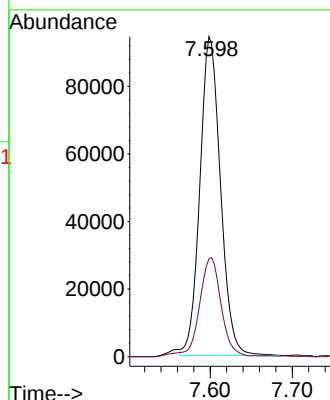
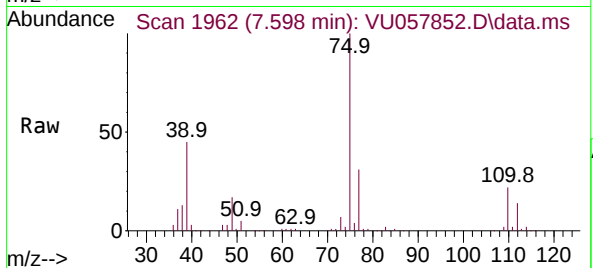
ClientSampleId :

Tgt Ion: 75 Resp: 164567

Ion Ratio Lower Upper

75 100

77 30.6 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 114.178 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

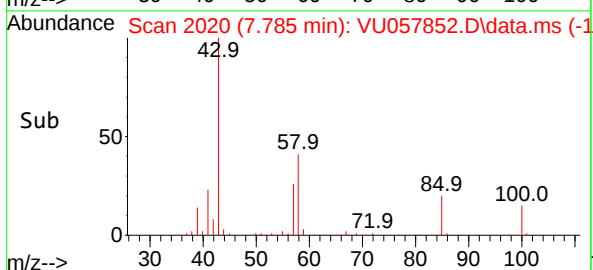
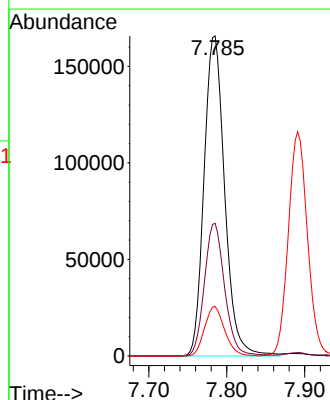
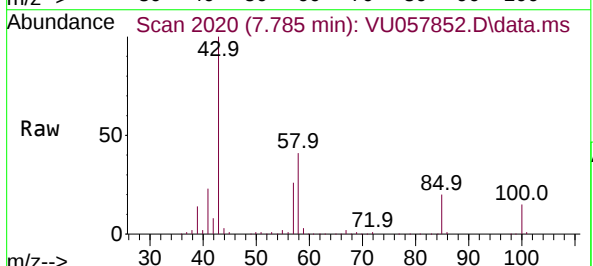
Tgt Ion: 43 Resp: 305080

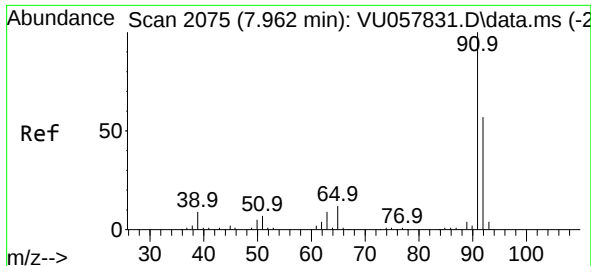
Ion Ratio Lower Upper

43 100

58 40.5 32.5 48.7

100 15.0 12.2 18.4





#42

Toluene

Concen: 50.425 ug/L

RT: 7.962 min Scan# 2075

Delta R.T. -0.000 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

Instrument :

MSVOA_U

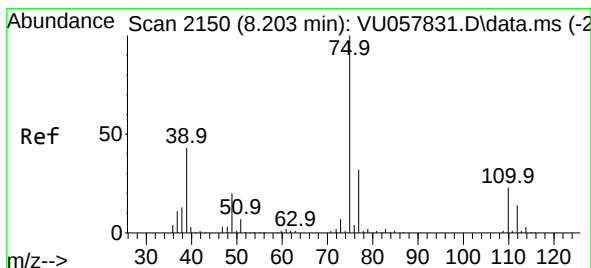
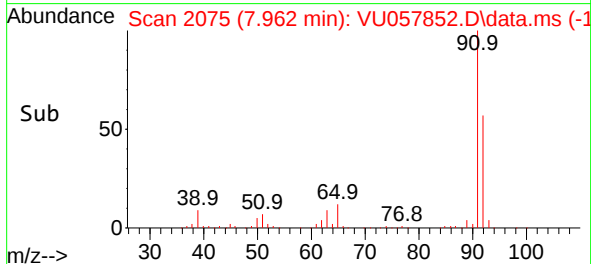
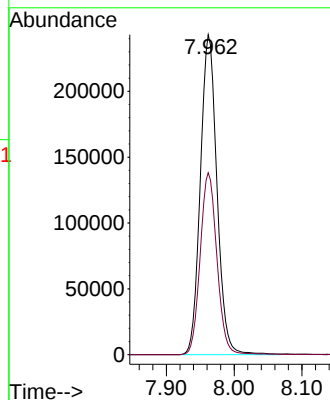
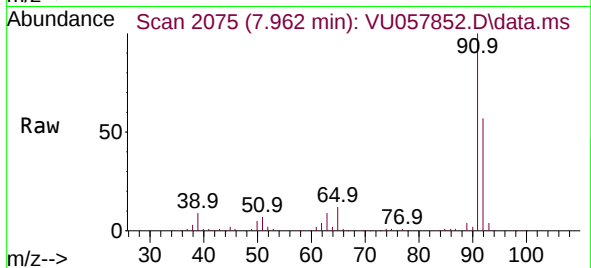
ClientSampleId :

Tgt Ion: 91 Resp: 413477

Ion Ratio Lower Upper

91 100

92 56.9 39.8 73.8



#44

trans-1,3-Dichloropropene

Concen: 49.830 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.000 min

Lab File: VU057852.D

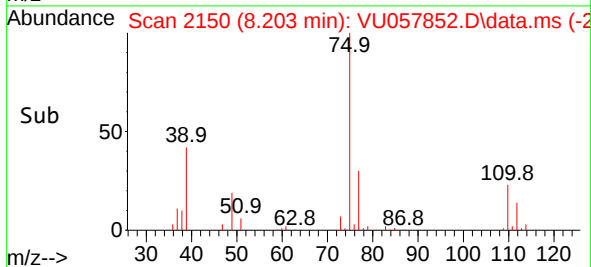
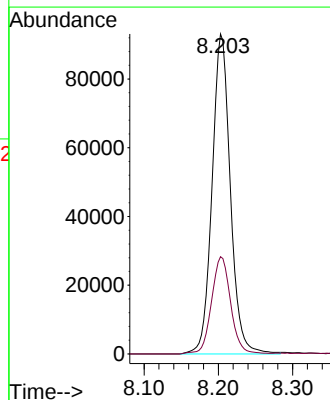
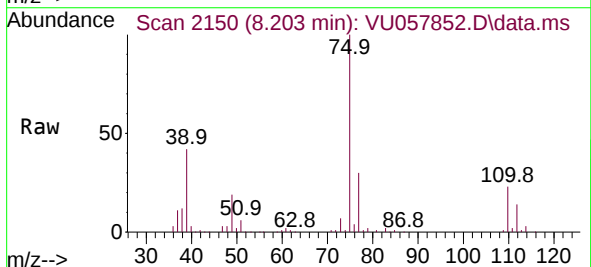
Acq: 07 Feb 2024 20:07

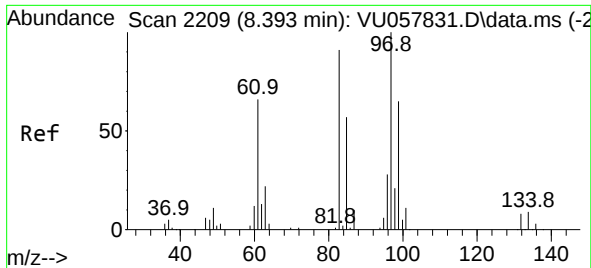
Tgt Ion: 75 Resp: 159165

Ion Ratio Lower Upper

75 100

77 30.4 22.4 41.6



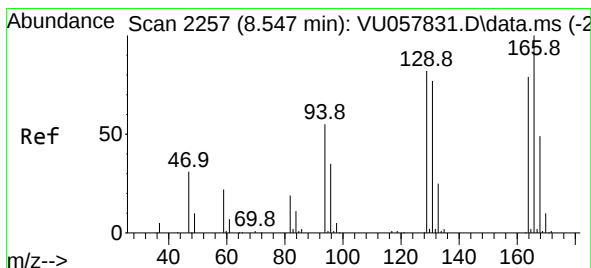
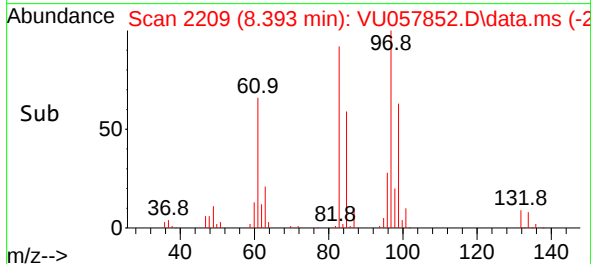
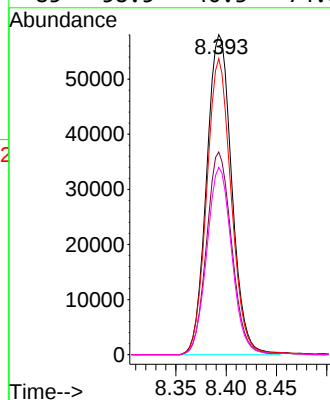
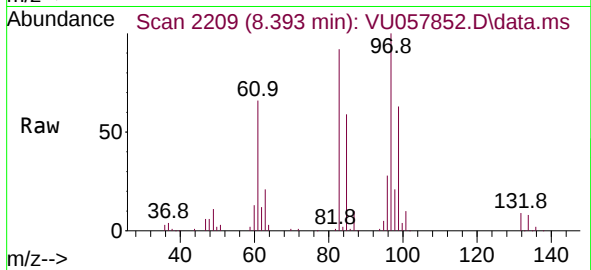


#45
1,1,2-Trichloroethane
Concen: 50.999 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. -0.000 min
Lab File: VU057852.D
Acq: 07 Feb 2024 20:07

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 97 Resp: 101082

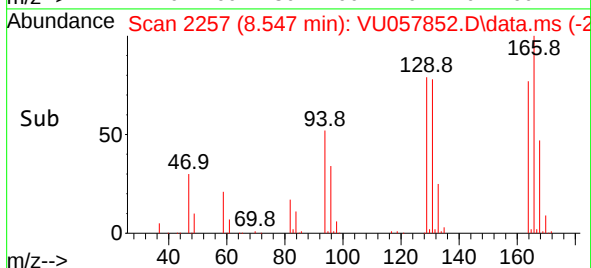
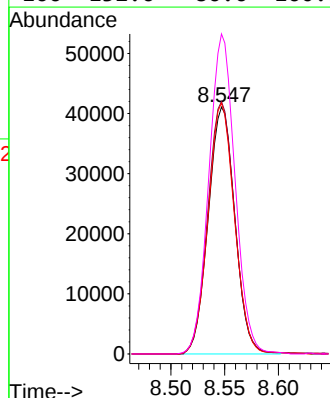
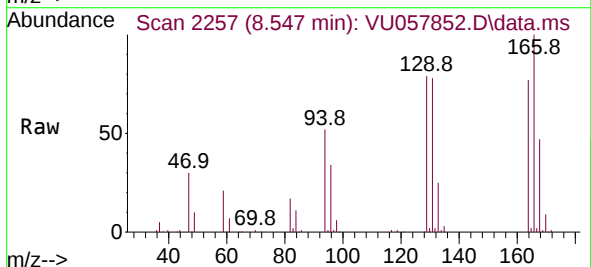
Ion	Ratio	Lower	Upper
97	100		
99	63.4	45.1	83.9
83	92.5	63.8	118.6
85	58.5	40.3	74.8

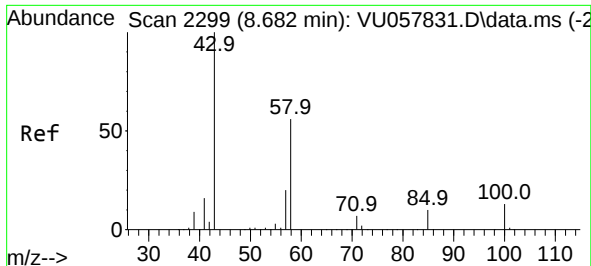


#46
Tetrachloroethene
Concen: 48.344 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU057852.D
Acq: 07 Feb 2024 20:07

Tgt Ion: 164 Resp: 70592

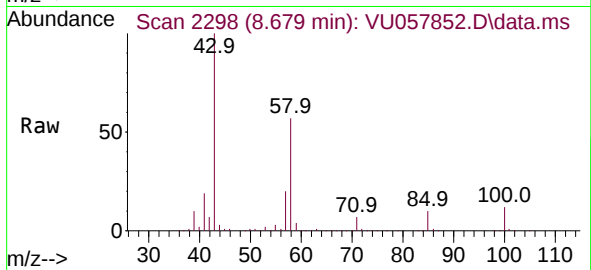
Ion	Ratio	Lower	Upper
164	100		
129	102.3	70.8	131.4
131	103.9	66.8	124.0
166	132.6	86.6	160.8





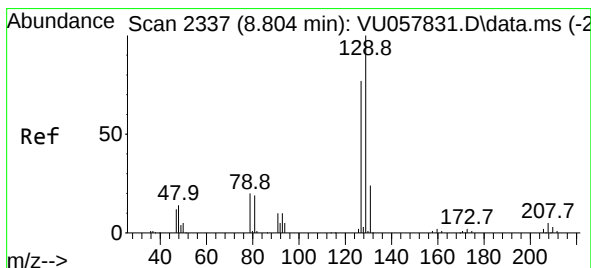
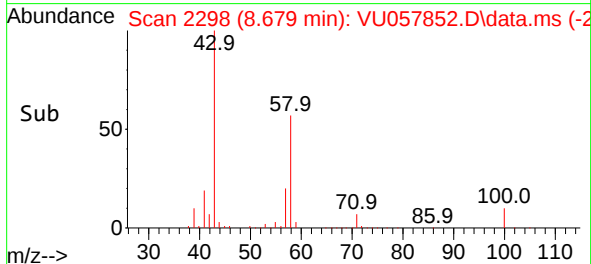
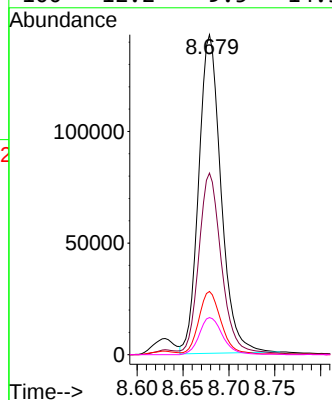
#48
2-Hexanone
Concen: 103.987 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU057852.D
Acq: 07 Feb 2024 20:07

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion: 43 Resp: 241709

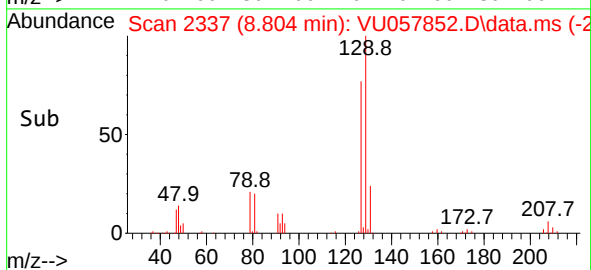
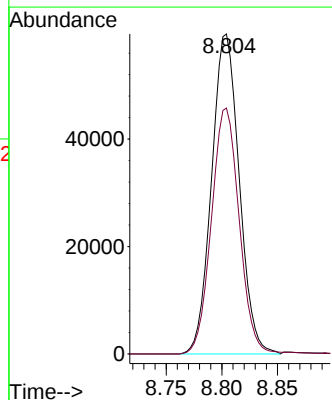
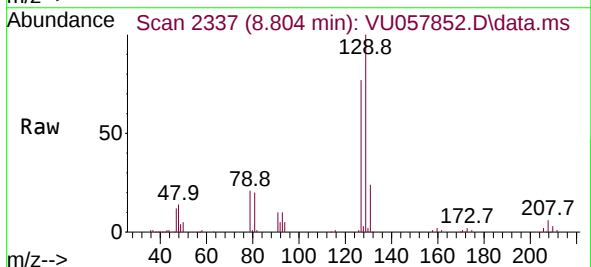
Ion	Ratio	Lower	Upper
43	100		
58	57.7	44.1	66.1
57	19.9	15.4	23.2
100	12.2	9.5	14.3

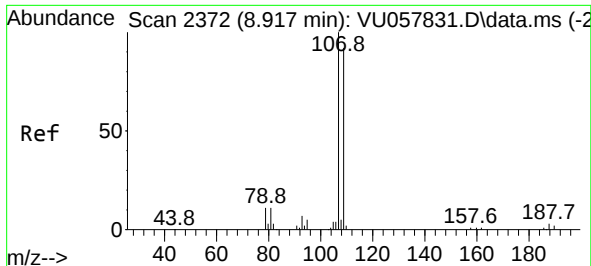


#49
Dibromochloromethane
Concen: 51.483 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU057852.D
Acq: 07 Feb 2024 20:07

Tgt Ion: 129 Resp: 102917

Ion	Ratio	Lower	Upper
129	100		
127	76.9	54.1	100.5





#50

1,2-Dibromoethane

Concen: 50.755 ug/L

RT: 8.917 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

Instrument :

MSVOA_U

ClientSampleId :

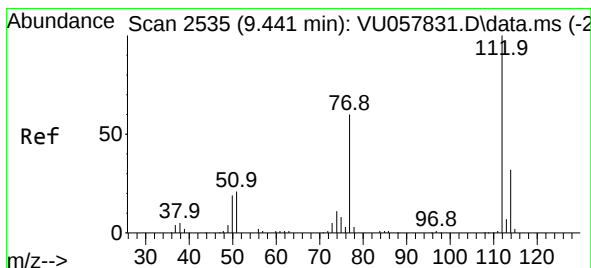
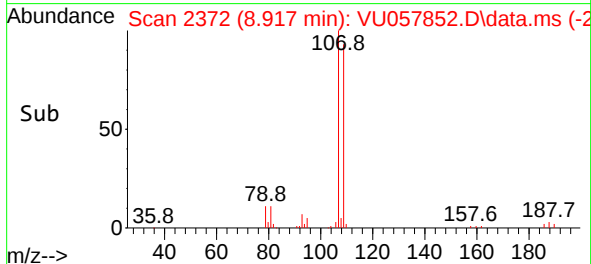
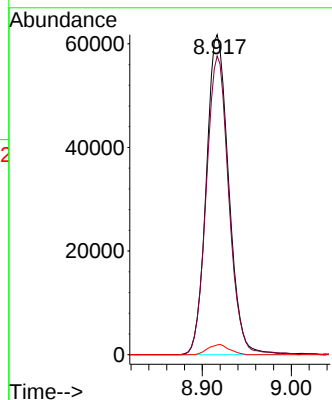
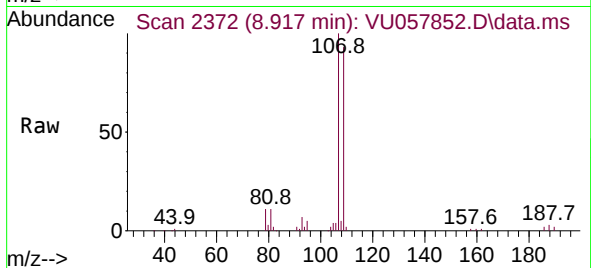
Tgt Ion:107 Resp: 107483

Ion Ratio Lower Upper

107 100

109 93.4 64.4 119.6

188 3.1 2.6 3.8



#51

Chlorobenzene

Concen: 111.534 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.000 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

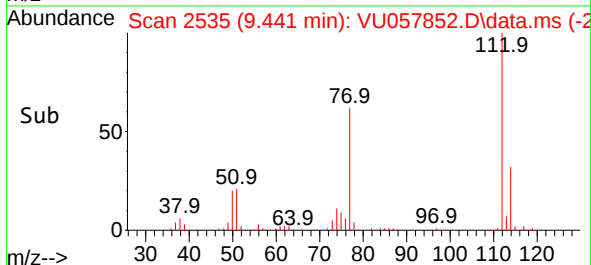
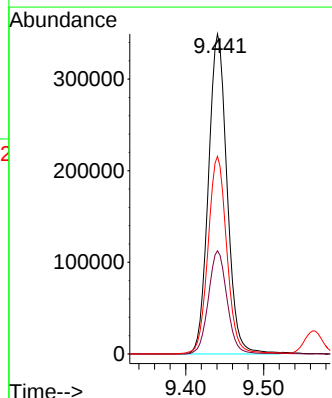
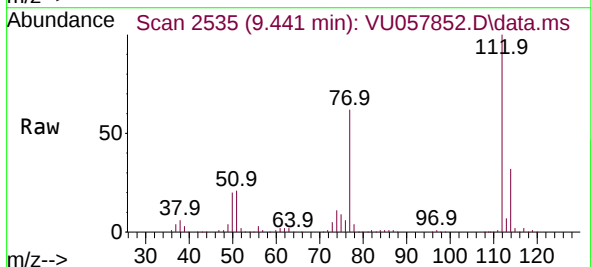
Tgt Ion:112 Resp: 580837

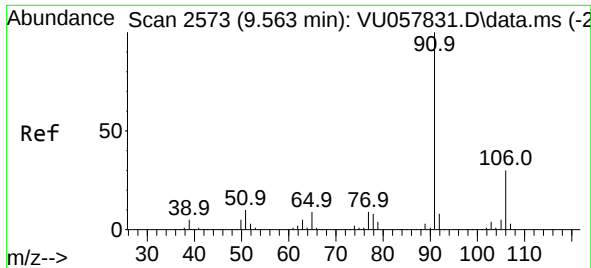
Ion Ratio Lower Upper

112 100

114 32.3 22.0 41.0

77 61.8 48.2 72.4

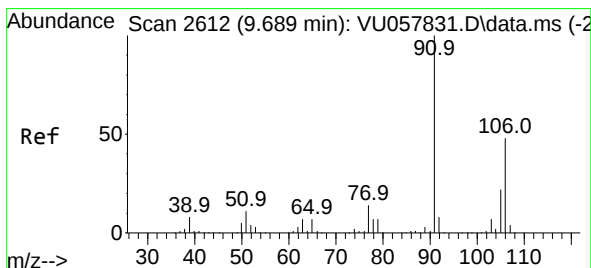
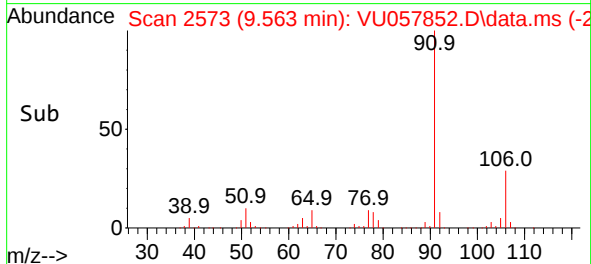
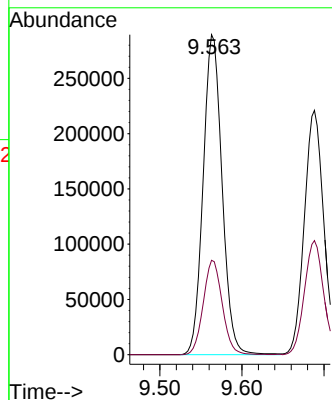
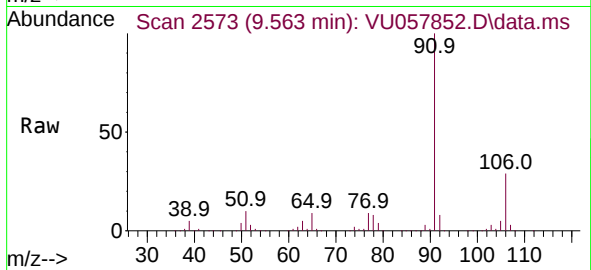




#52
Ethylbenzene
Concen: 49.923 ug/L
RT: 9.563 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU057852.D
Acq: 07 Feb 2024 20:07

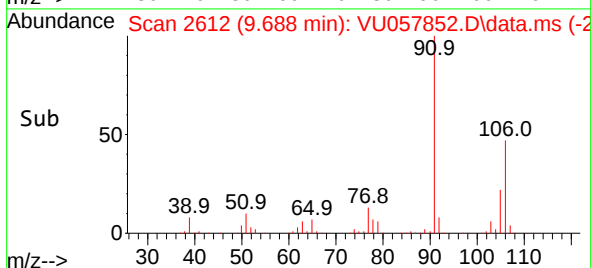
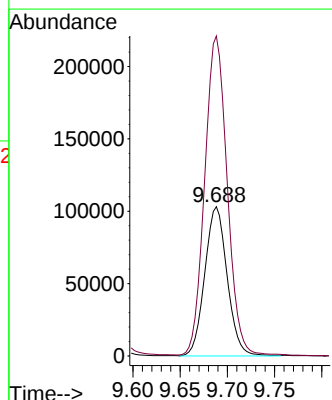
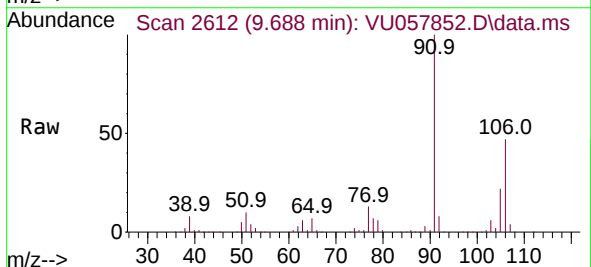
Instrument :
MSVOA_U
ClientSampleId :

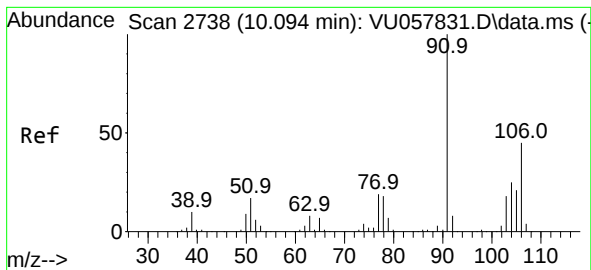
Tgt Ion: 91 Resp: 464365
Ion Ratio Lower Upper
91 100
106 29.5 20.9 38.9



#53
m,p-Xylene
Concen: 49.847 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.000 min
Lab File: VU057852.D
Acq: 07 Feb 2024 20:07

Tgt Ion:106 Resp: 170402
Ion Ratio Lower Upper
106 100
91 214.3 145.3 269.9





#54

o-Xylene

Concen: 51.093 ug/L

RT: 10.093 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

Instrument :

MSVOA_U

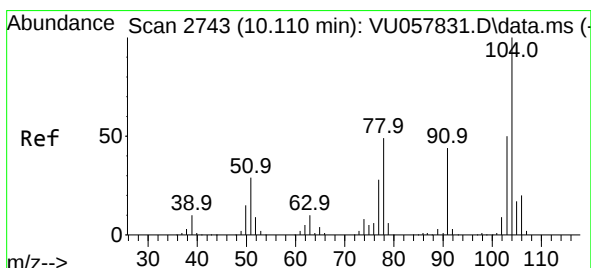
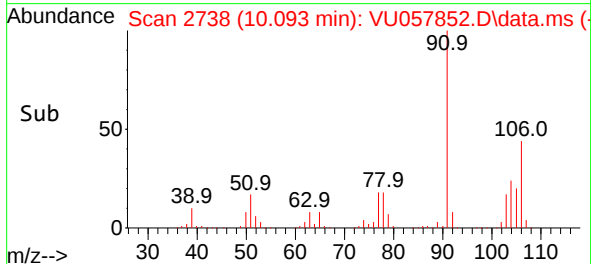
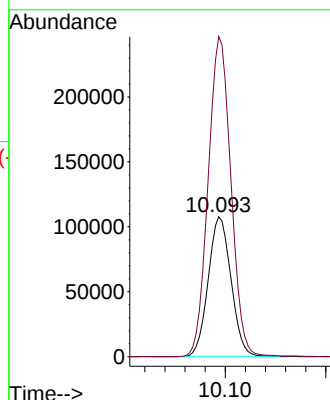
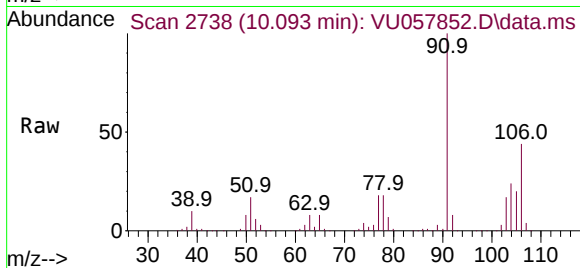
ClientSampleId :

Tgt Ion:106 Resp: 170072

Ion Ratio Lower Upper

106 100

91 228.5 155.3 288.3



#55

Styrene

Concen: 53.469 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. -0.000 min

Lab File: VU057852.D

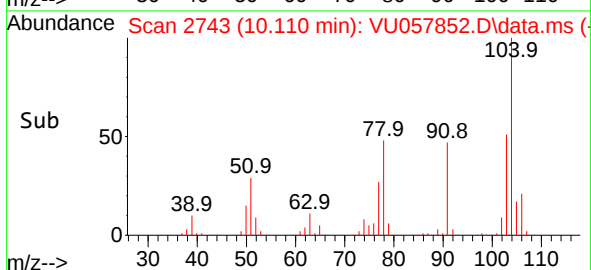
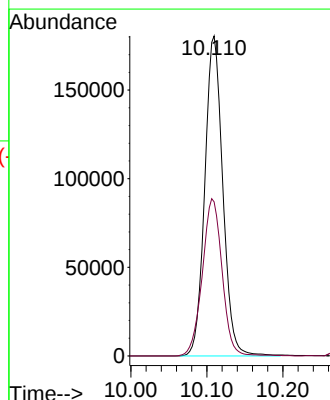
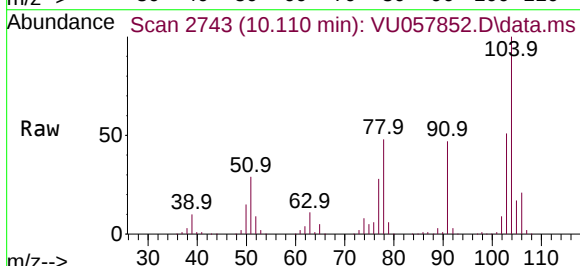
Acq: 07 Feb 2024 20:07

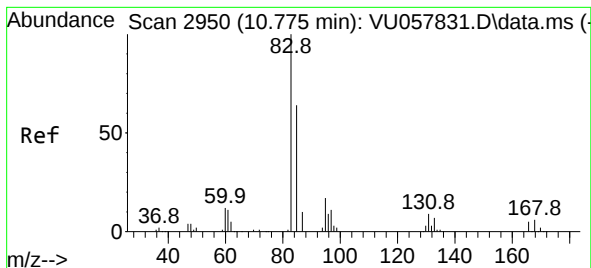
Tgt Ion:104 Resp: 297110

Ion Ratio Lower Upper

104 100

78 48.2 34.3 63.7





#57

1,1,2,2-Tetrachloroethane

Concen: 58.923 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.000 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

Instrument :

MSVOA_U

ClientSampleId :

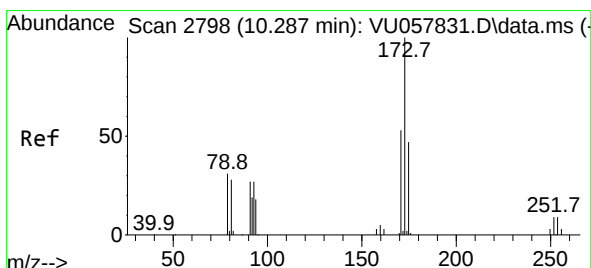
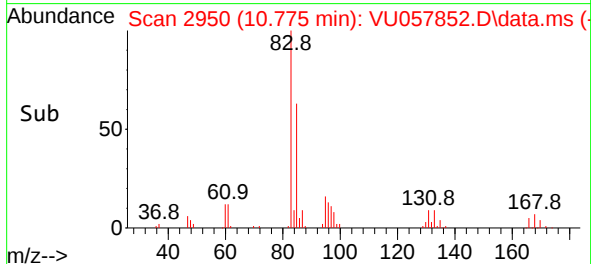
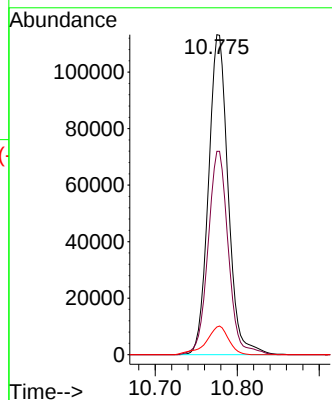
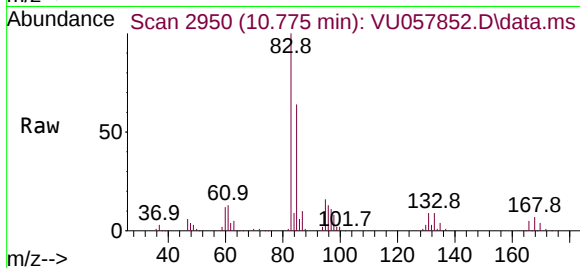
Tgt Ion: 83 Resp: 188213

Ion Ratio Lower Upper

83 100

85 63.6 45.1 83.7

131 8.7 7.5 11.3



#59

Bromoform

Concen: 53.042 ug/L

RT: 10.286 min Scan# 2798

Delta R.T. -0.000 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

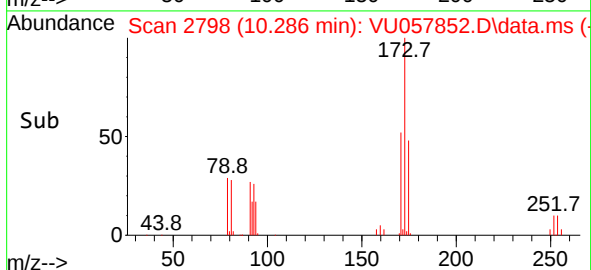
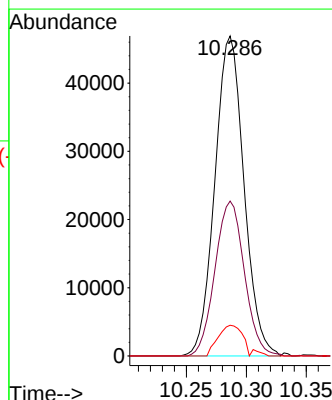
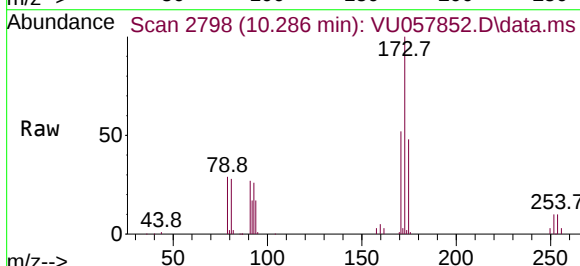
Tgt Ion:173 Resp: 79150

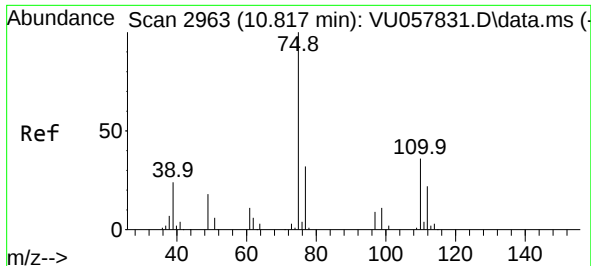
Ion Ratio Lower Upper

173 100

175 48.8 37.7 56.5

254 8.0 6.2 9.2

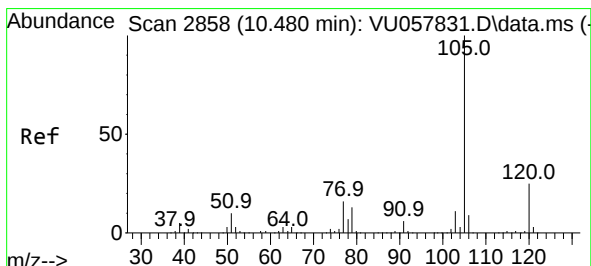
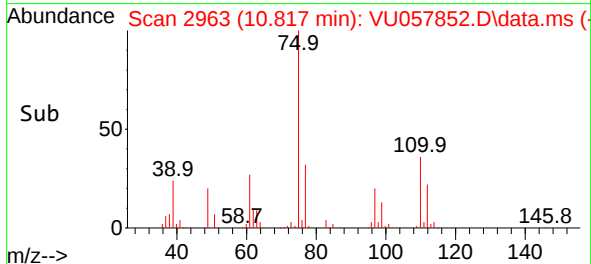
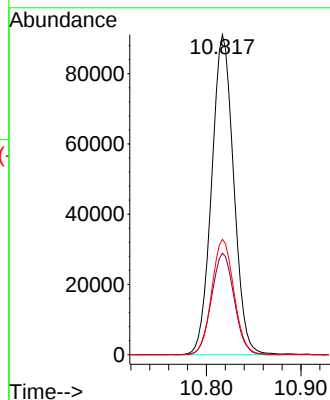
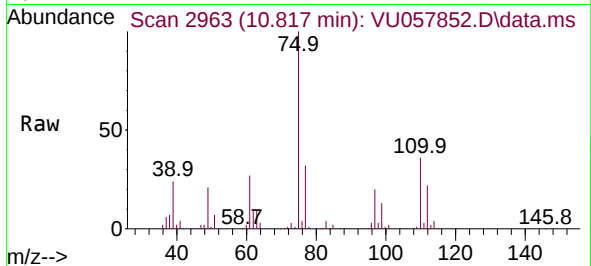




#60
1,2,3-Trichloropropane
Concen: 54.840 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU057852.D
Acq: 07 Feb 2024 20:07

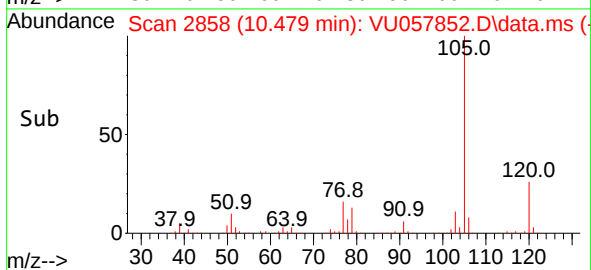
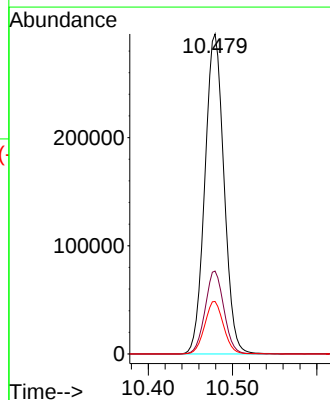
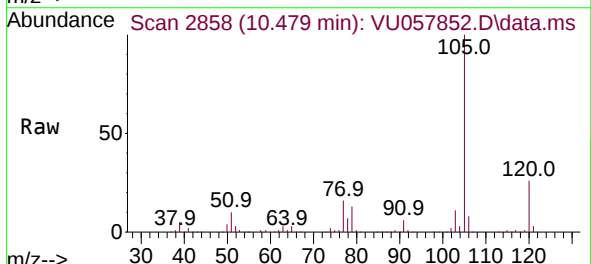
Instrument :
MSVOA_U
ClientSampleId :

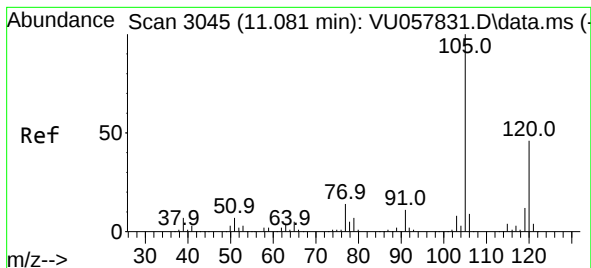
Tgt Ion: 75 Resp: 147464
Ion Ratio Lower Upper
75 100
77 32.8 26.1 39.1
110 36.2 29.1 43.7



#61
Isopropylbenzene
Concen: 49.732 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU057852.D
Acq: 07 Feb 2024 20:07

Tgt Ion: 105 Resp: 466696
Ion Ratio Lower Upper
105 100
120 25.5 20.6 30.8
77 16.2 13.2 19.8





#62

1,3,5-Trimethylbenzene

Concen: 51.376 ug/L

RT: 11.084 min Scan# 3045

Delta R.T. 0.003 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

Instrument :

MSVOA_U

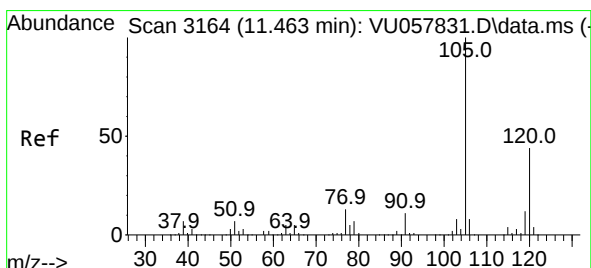
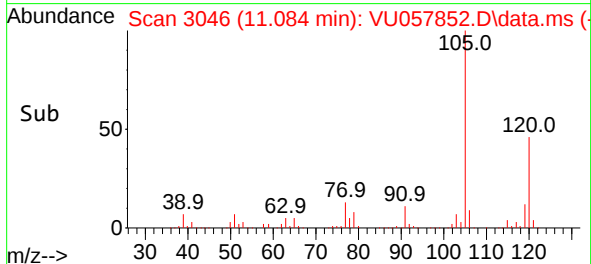
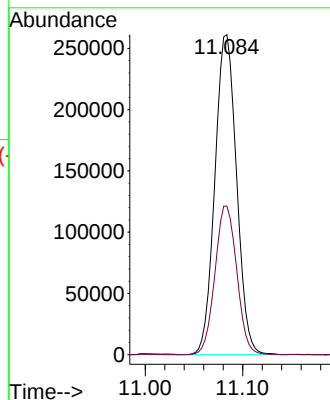
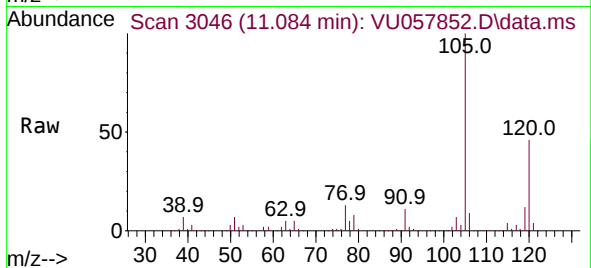
ClientSampleId :

Tgt Ion:105 Resp: 404591

Ion Ratio Lower Upper

105 100

120 46.7 37.3 55.9



#63

1,2,4-Trimethylbenzene

Concen: 51.928 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU057852.D

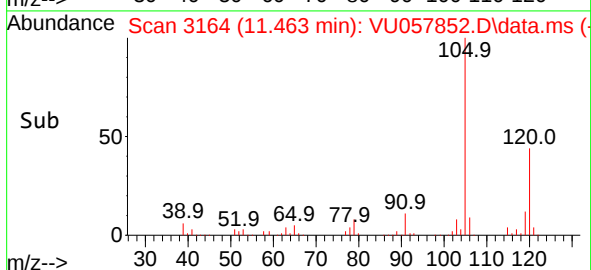
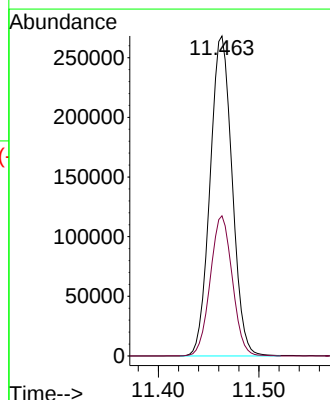
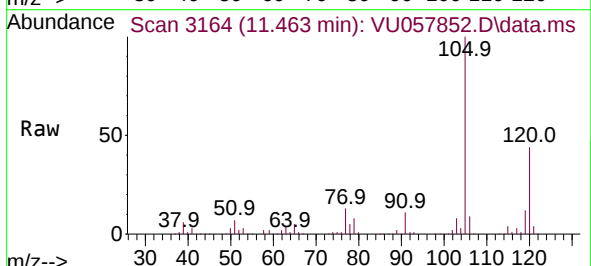
Acq: 07 Feb 2024 20:07

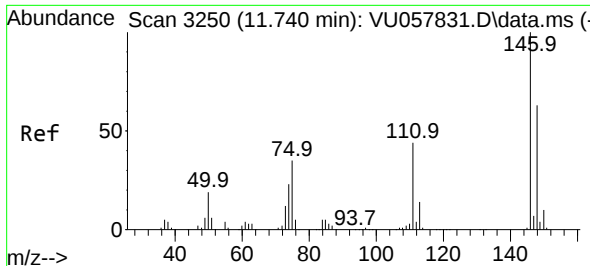
Tgt Ion:105 Resp: 409290

Ion Ratio Lower Upper

105 100

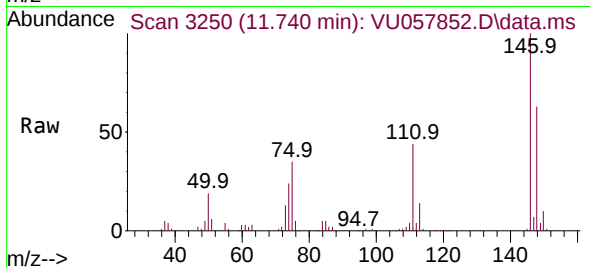
120 43.7 35.4 53.0



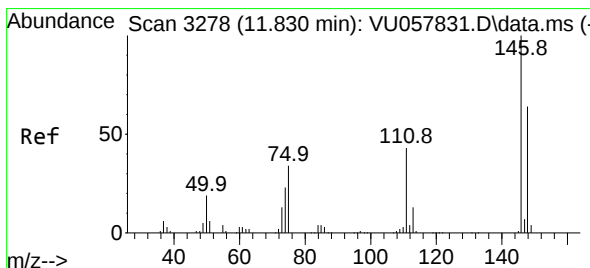
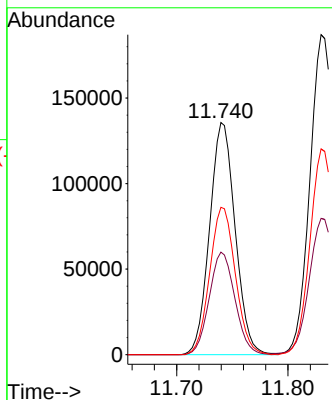
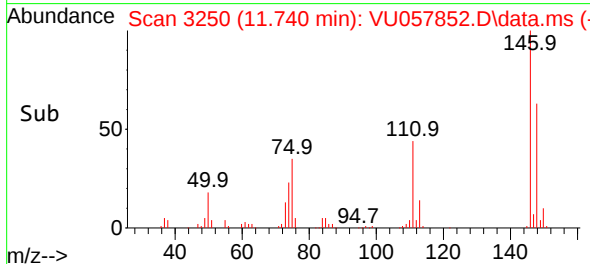


#64
1,3-Dichlorobenzene
Concen: 53.274 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU057852.D
Acq: 07 Feb 2024 20:07

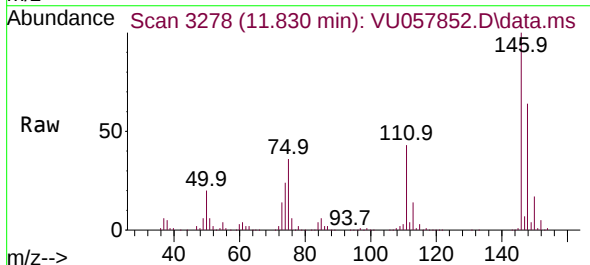
Instrument :
MSVOA_U
ClientSampleId :



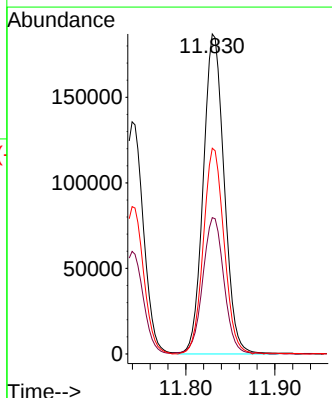
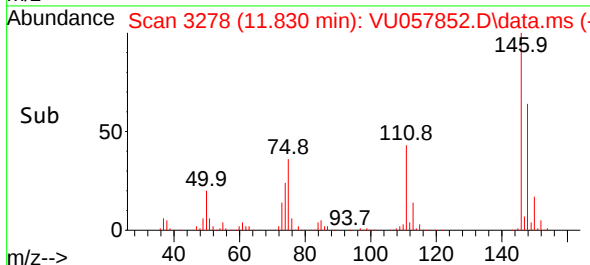
Tgt Ion:146 Resp: 216615
Ion Ratio Lower Upper
146 100
111 44.2 31.1 57.7
148 63.5 46.8 86.8

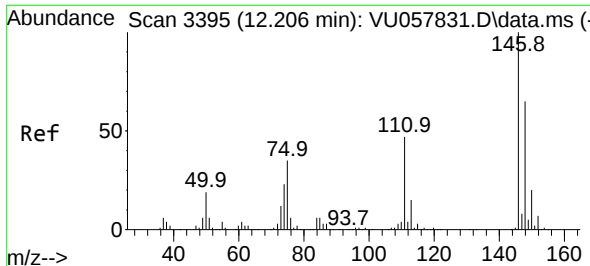


#65
1,4-Dichlorobenzene
Concen: 73.016 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.000 min
Lab File: VU057852.D
Acq: 07 Feb 2024 20:07



Tgt Ion:146 Resp: 304520
Ion Ratio Lower Upper
146 100
111 42.6 30.5 56.7
148 64.3 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 71.269 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. -0.000 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

Instrument :

MSVOA_U

ClientSampleId :

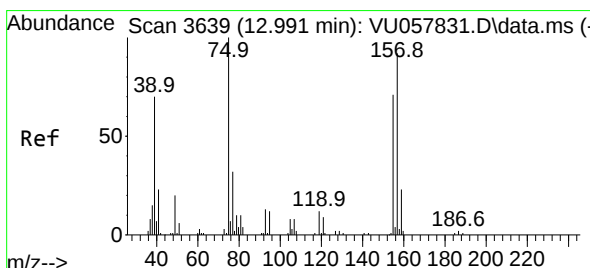
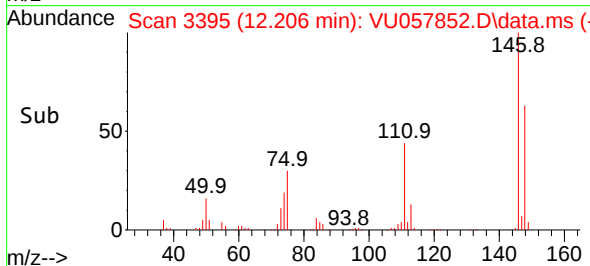
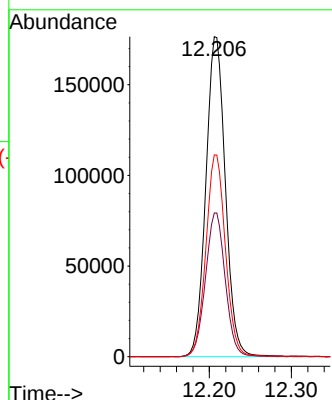
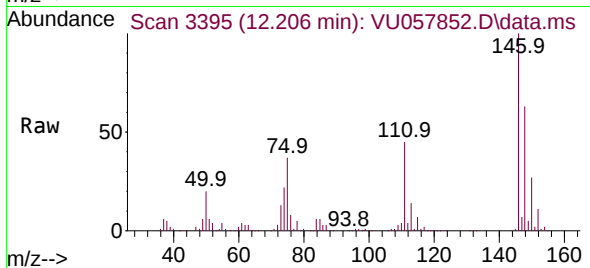
Tgt Ion:146 Resp: 292128

Ion Ratio Lower Upper

146 100

111 44.9 37.8 56.8

148 63.1 51.7 77.5



#68

1,2-Dibromo-3-chloropropane

Concen: 56.959 ug/L

RT: 12.990 min Scan# 3639

Delta R.T. -0.000 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

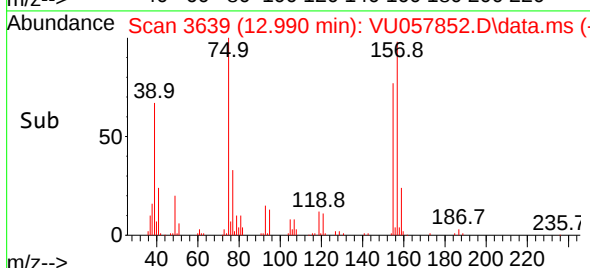
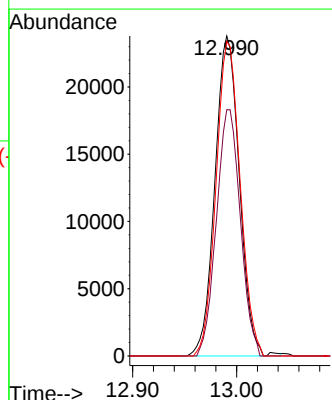
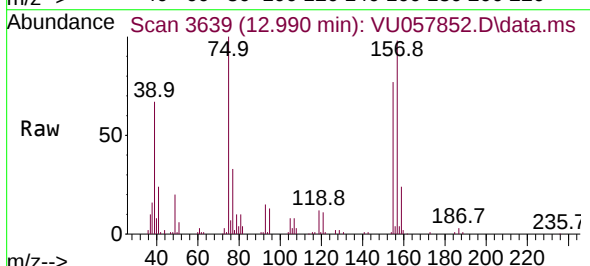
Tgt Ion: 75 Resp: 38848

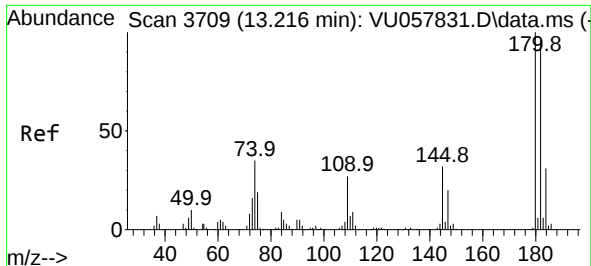
Ion Ratio Lower Upper

75 100

155 80.5 55.9 83.9

157 101.9 71.1 106.7





#69

1,3,5-Trichlorobenzene

Concen: 48.704 ug/L

RT: 13.216 min Scan# 31

Delta R.T. -0.000 min

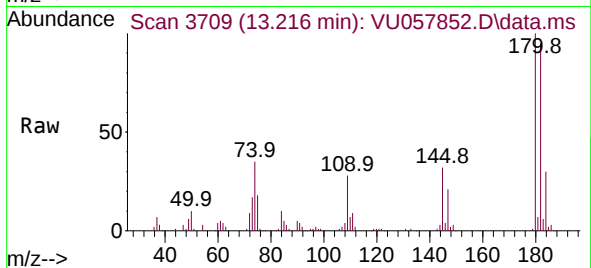
Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 139477

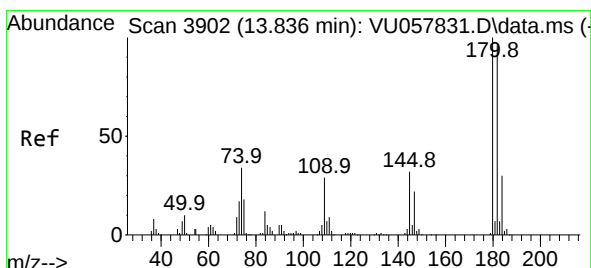
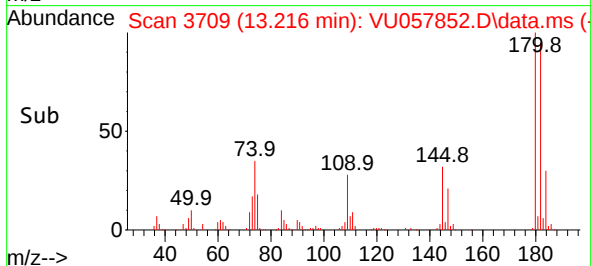
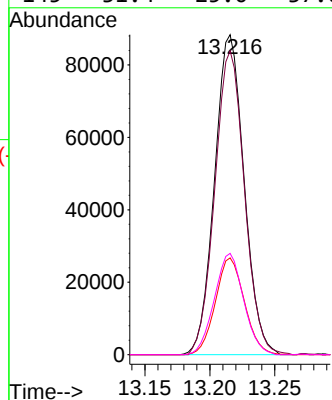
Ion Ratio Lower Upper

180 100

182 95.2 76.0 114.0

184 29.8 24.3 36.5

145 31.4 25.0 37.6



#70

1,2,4-trichlorobenzene

Concen: 55.107 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

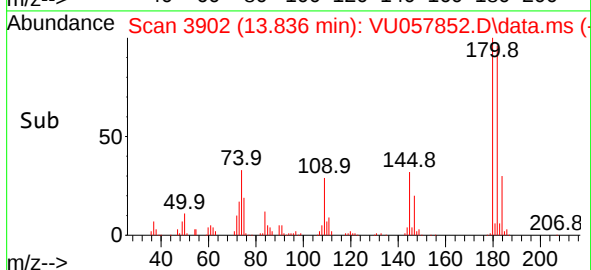
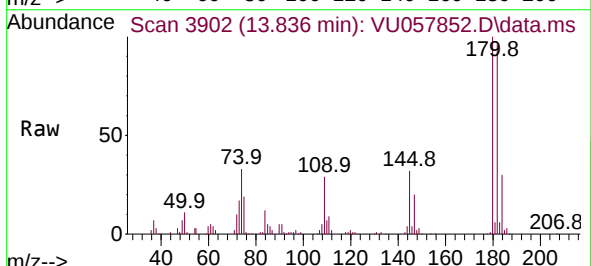
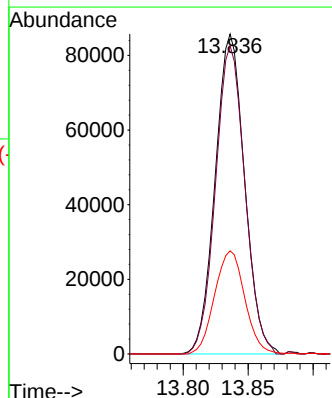
Tgt Ion:180 Resp: 134810

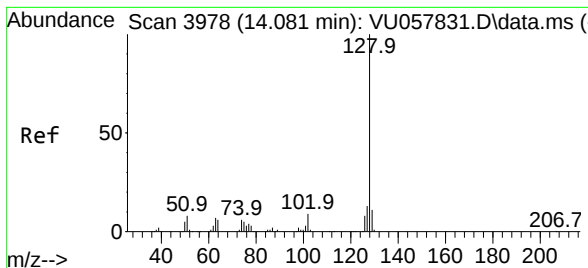
Ion Ratio Lower Upper

180 100

182 95.8 76.0 114.0

145 33.1 25.5 38.3





#71

Naphthalene

Concen: 52.230 ug/L

RT: 14.084 min Scan# 3978

Delta R.T. 0.003 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

Instrument :

MSVOA_U

ClientSampleId :

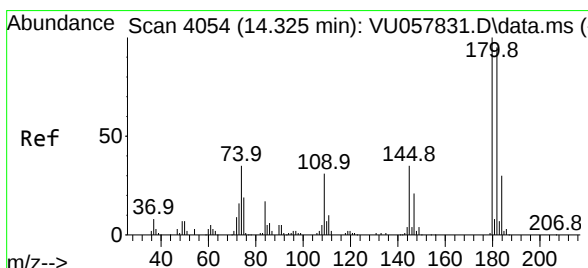
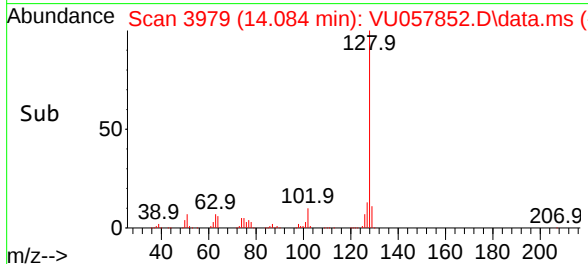
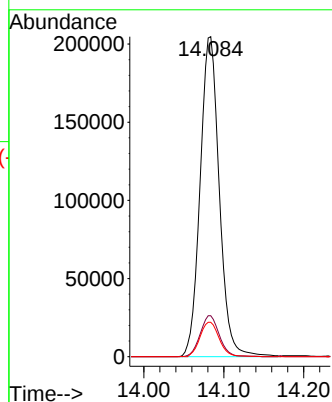
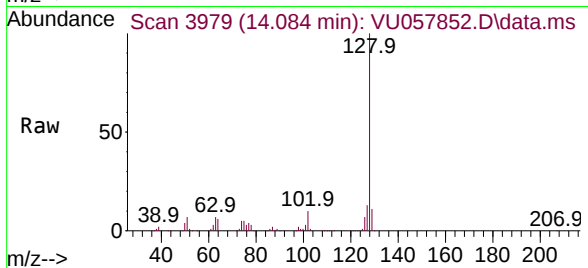
Tgt Ion:128 Resp: 342523

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 52.065 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU057852.D

Acq: 07 Feb 2024 20:07

Tgt Ion:180 Resp: 119178

Ion Ratio Lower Upper

180 100

182 95.9 76.6 114.8

145 33.8 27.7 41.5

