

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111323\
 Data File : VU056253.D
 Acq On : 13 Nov 2023 15:14
 Operator : MD/SY
 Sample : VSTD00501
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 13 23:30:40 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Mon Nov 13 23:28:53 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	329059	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	314212	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	154932	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	119160	4.841	ug/L	0.00
7) Chloroethane-d5	1.907	69	91983	4.874	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.563	65	52873	4.868	ug/L	0.00
20) 2-Butanone-d5	4.618	46	247414	51.185	ug/L	0.00
24) Chloroform-d	5.058	84	234235	4.920	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.695	65	111004	5.046	ug/L	0.00
32) Benzene-d6	5.721	84	464777	4.965	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.685	67	139127	4.931	ug/L	0.00
41) Toluene-d8	7.894	98	417494	5.050	ug/L	0.00
43) trans-1,3-Dichloroprop...	8.174	79	53903	4.981	ug/L	0.00
46) 2-Hexanone-d5	8.627	63	218488	51.379	ug/L	0.00
56) 1,1,2,2-Tetrachloroeth...	10.750	84	101901	5.054	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	12.187	152	135700	4.741	ug/L	0.00
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.383	85	137146	5.260	ug/L	100
3) Chloromethane	1.518	50	138077	5.182	ug/L	100
5) Vinyl chloride	1.602	62	134321	5.233	ug/L	100
6) Bromomethane	1.856	94	68168	5.246	ug/L	100
8) Chloroethane	1.930	64	80273	5.119	ug/L	100
9) Trichlorofluoromethane	2.136	101	192985	5.217	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	115302	5.250	ug/L	100
12) 1,1-Dichloroethene	2.576	96	104728	5.199	ug/L	100
13) Acetone	2.628	43	221596	53.014	ug/L	100
14) Carbon disulfide	2.788	76	336300	5.131	ug/L	100
15) Methyl Acetate	2.949	43	38638	5.409	ug/L	100
16) Methylene chloride	3.039	84	123033	4.615	ug/L	100
17) Methyl tert-butyl Ether	3.354	73	255586	5.222	ug/L	100
18) trans-1,2-Dichloroethene	3.348	96	110511	5.332	ug/L	100
19) 1,1-Dichloroethane	3.862	63	215688	5.254	ug/L	100
21) 2-Butanone	4.698	43	285010	54.369	ug/L	100
22) cis-1,2-Dichloroethene	4.660	96	123608	5.259	ug/L	100
23) Bromochloromethane	4.968	128	51867	5.361	ug/L	100
25) Chloroform	5.081	83	225312	5.066	ug/L	100
27) 1,2-Dichloroethane	5.788	62	132442	5.244	ug/L	100
29) 1,1,1-Trichloroethane	5.309	97	191587	5.312	ug/L	100
30) Cyclohexane	5.383	56	180629	5.277	ug/L	100
31) Carbon tetrachloride	5.518	117	161027	5.198	ug/L	100
33) Benzene	5.769	78	474975	5.298	ug/L	100
34) Trichloroethene	6.537	95	126960	5.197	ug/L	100
35) Methylcyclohexane	6.759	83	190621	5.405	ug/L	100
37) 1,2-Dichloropropane	6.785	63	125102	5.351	ug/L	100
38) Bromodichloromethane	7.100	83	156154	5.174	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	183283	5.335	ug/L	100
40) 4-Methyl-2-pentanone	7.785	43	620768	53.561	ug/L	100
42) Toluene	7.965	91	505636	5.447	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	146013	5.331	ug/L	100

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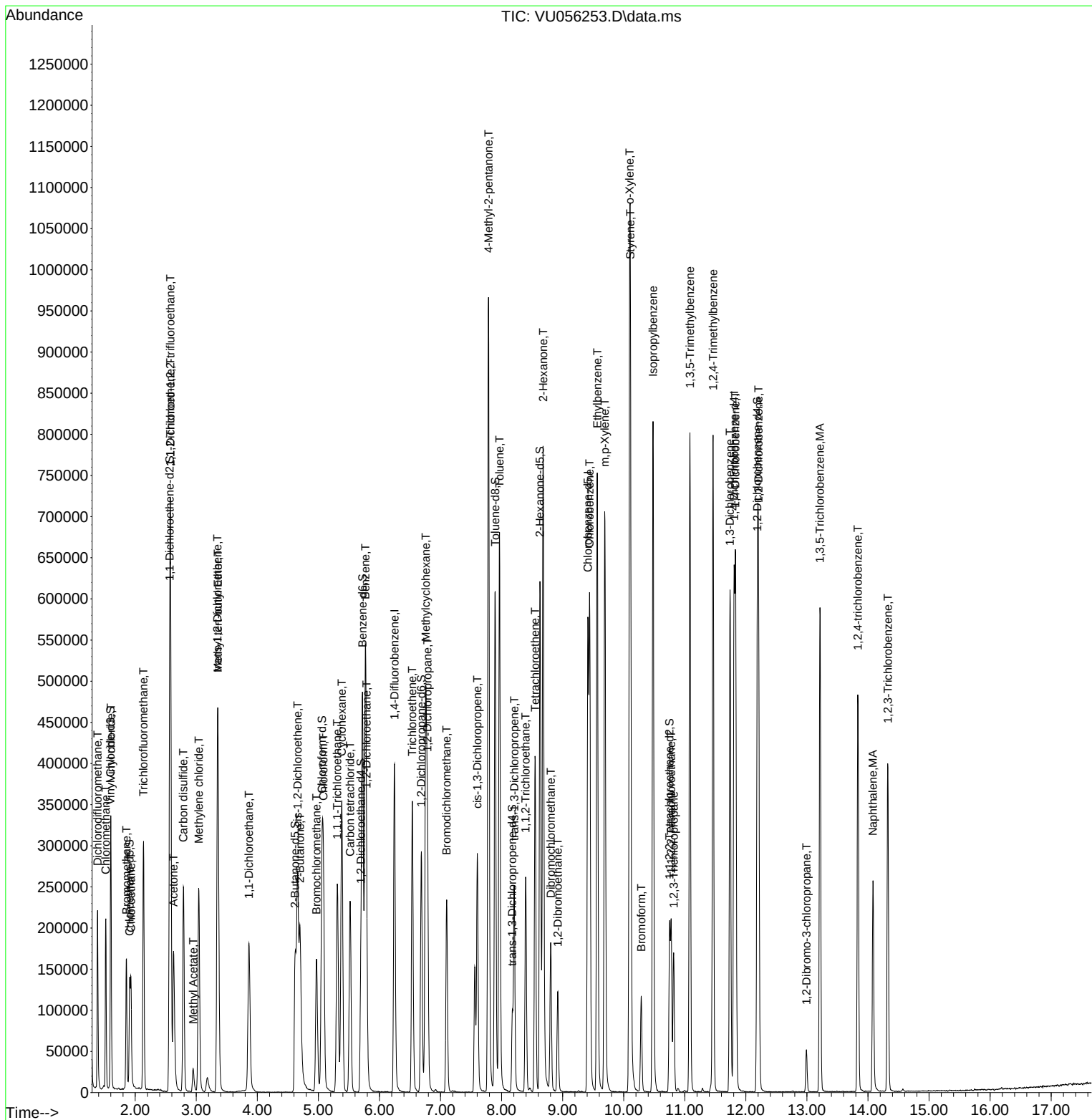
Quant Time: Nov 13 23:30:40 2023
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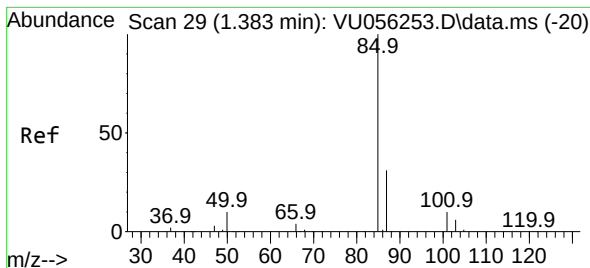
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

45) 1,1,2-Trichloroethane	8.393	97	80801	5.189	ug/L	100
47) Tetrachloroethene	8.547	164	87262	5.298	ug/L	100
48) 2-Hexanone	8.679	43	494366	54.753	ug/L	100
49) Dibromochloromethane	8.804	129	93784	5.296	ug/L	100
50) 1,2-Dibromoethane	8.920	107	79339	5.397	ug/L	100
51) Chlorobenzene	9.441	112	314858	5.279	ug/L	100
52) Ethylbenzene	9.566	91	550651	5.342	ug/L	100
53) m,p-Xylene	9.688	106	205414	5.421	ug/L	100
54) o-Xylene	10.097	106	198394	5.390	ug/L	100
55) Styrene	10.110	104	344238	5.622	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.775	83	100450	5.283	ug/L	100
59) Bromoform	10.287	173	51576	5.344	ug/L	100
60) Isopropylbenzene	10.479	105	536355	5.368	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	70647	5.314	ug/L	100
62) 1,3,5-Trimethylbenzene	11.084	105	437886	5.337	ug/L	100
63) 1,2,4-Trimethylbenzene	11.463	105	444238	5.486	ug/L	100
64) 1,3-Dichlorobenzene	11.740	146	241400	5.311	ug/L	100
65) 1,4-Dichlorobenzene	11.830	146	235106	5.157	ug/L	100
67) 1,2-Dichlorobenzene	12.206	146	220455	5.287	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.991	75	14696	5.176	ug/L	100
69) 1,3,5-Trichlorobenzene	13.212	180	179640	5.250	ug/L	100
70) 1,2,4-trichlorobenzene	13.833	180	141114	5.063	ug/L	100
71) Naphthalene	14.081	128	210184	4.991	ug/L	100
72) 1,2,3-Trichlorobenzene	14.325	180	118344	5.154	ug/L	100

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

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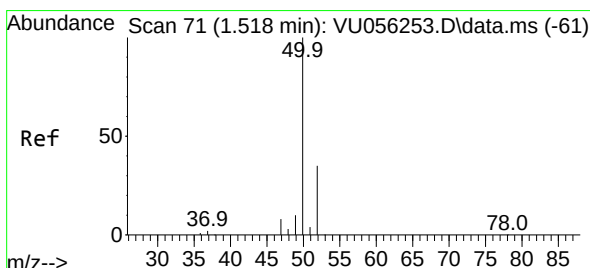
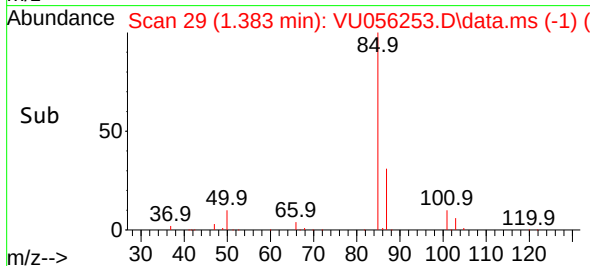
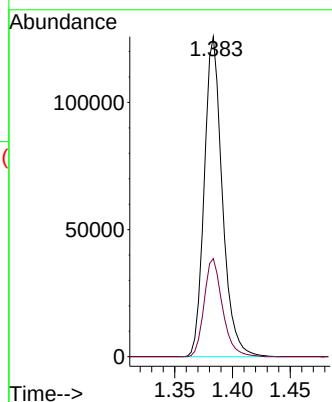
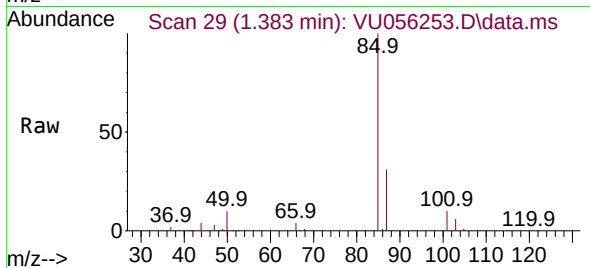




#2
 Dichlorodifluoromethane
 Concen: 5.260 ug/L
 RT: 1.383 min Scan# 29
 Delta R.T. 0.000 min
 Lab File: VU056253.D
 Acq: 13 Nov 2023 15:14

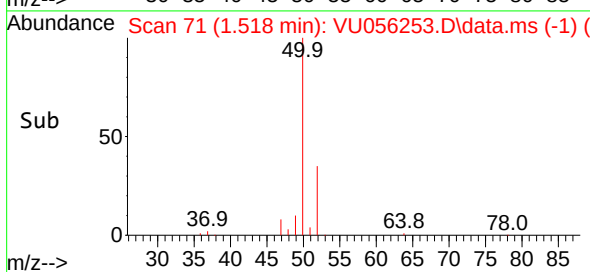
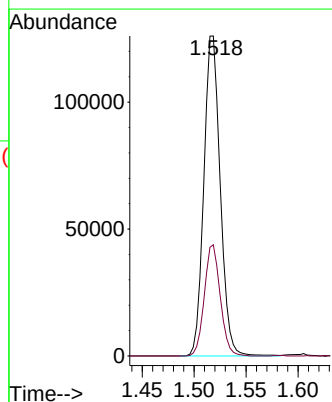
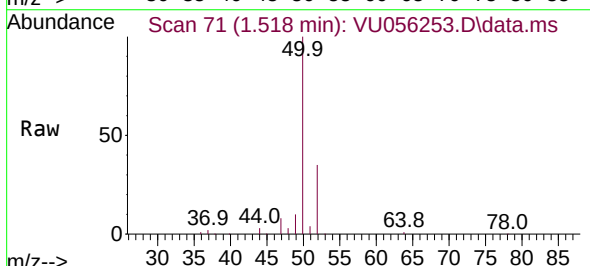
Instrument :
 MSVOA_U
 ClientSampleId :

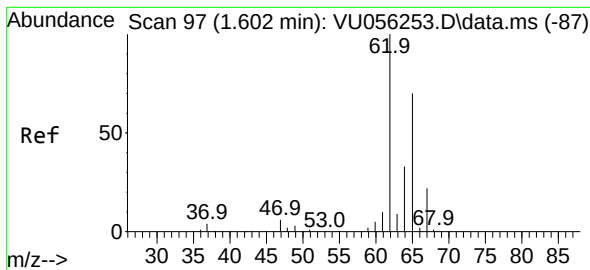
Tgt Ion: 85 Resp: 137146
 Ion Ratio Lower Upper
 85 100
 87 31.2 25.0 37.4



#3
 Chloromethane
 Concen: 5.182 ug/L
 RT: 1.518 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VU056253.D
 Acq: 13 Nov 2023 15:14

Tgt Ion: 50 Resp: 138077
 Ion Ratio Lower Upper
 50 100
 52 34.7 24.3 45.1





#5

Vinyl chloride

Concen: 5.233 ug/L

RT: 1.602 min Scan# 91

Delta R.T. 0.000 min

Lab File: VU056253.D

Acq: 13 Nov 2023 15:14

Instrument :

MSVOA_U

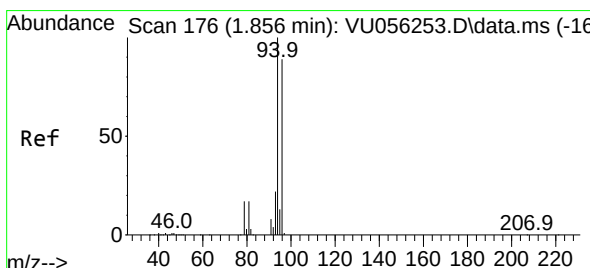
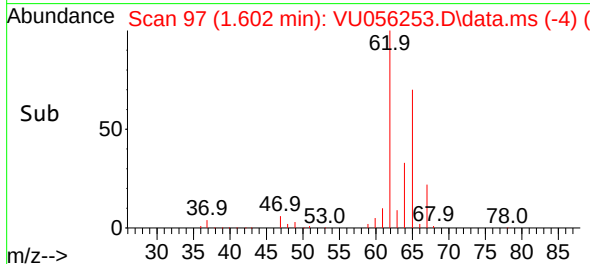
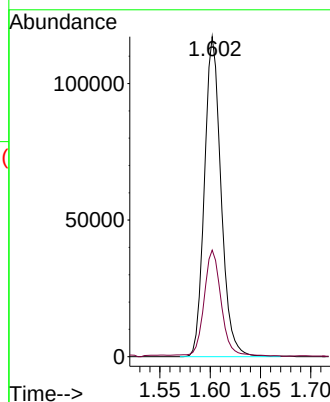
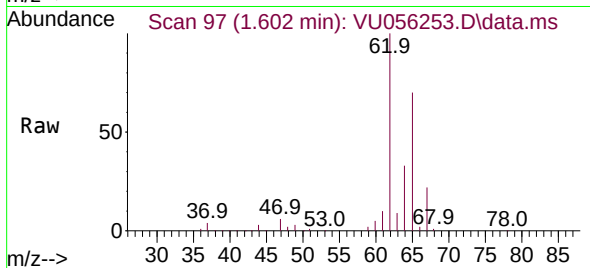
ClientSampleId :

Tgt Ion: 62 Resp: 134321

Ion Ratio Lower Upper

62 100

64 33.3 23.3 43.3



#6

Bromomethane

Concen: 5.246 ug/L

RT: 1.856 min Scan# 176

Delta R.T. 0.000 min

Lab File: VU056253.D

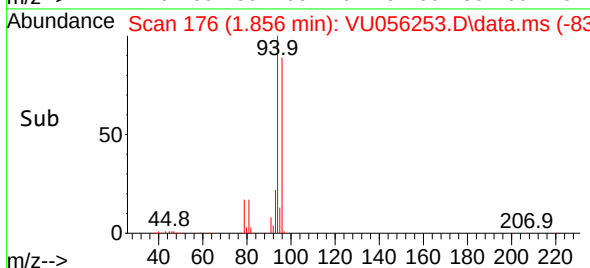
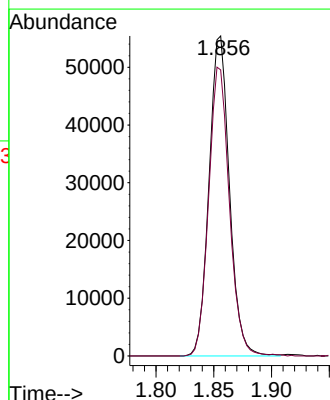
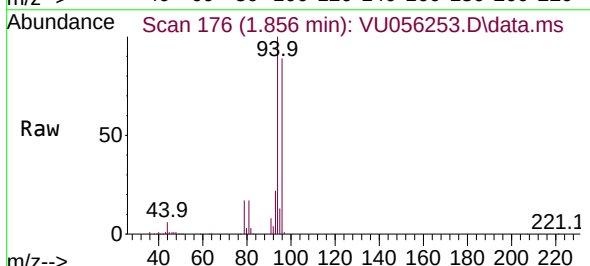
Acq: 13 Nov 2023 15:14

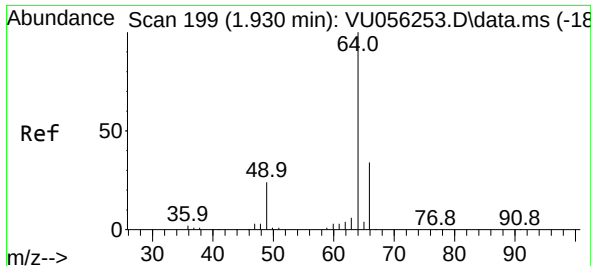
Tgt Ion: 94 Resp: 68168

Ion Ratio Lower Upper

94 100

96 89.4 62.6 116.2





#8

Chloroethane

Concen: 5.119 ug/L

RT: 1.930 min Scan# 199

Delta R.T. 0.000 min

Lab File: VU056253.D

Acq: 13 Nov 2023 15:14

Instrument :

MSVOA_U

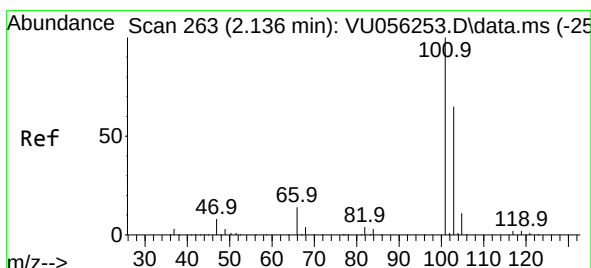
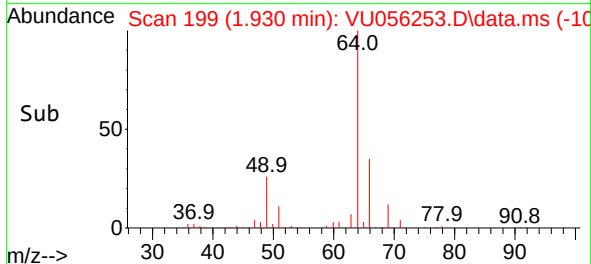
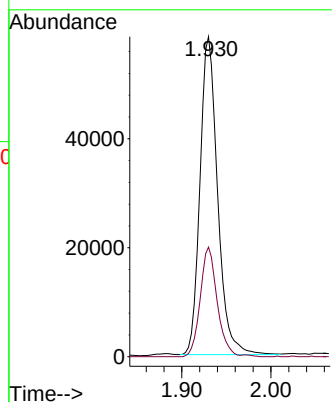
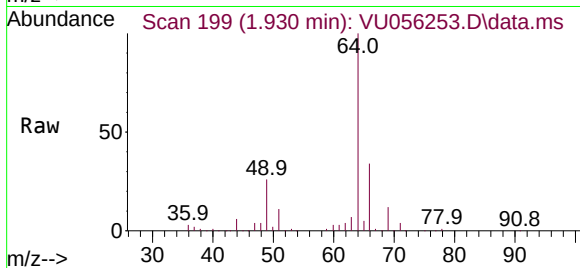
ClientSampleId :

Tgt Ion: 64 Resp: 80273

Ion Ratio Lower Upper

64 100

66 34.2 23.9 44.5



#9

Trichlorofluoromethane

Concen: 5.217 ug/L

RT: 2.136 min Scan# 263

Delta R.T. 0.000 min

Lab File: VU056253.D

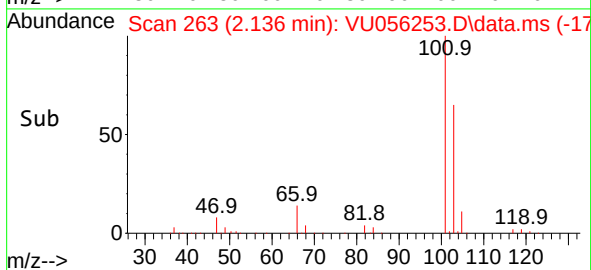
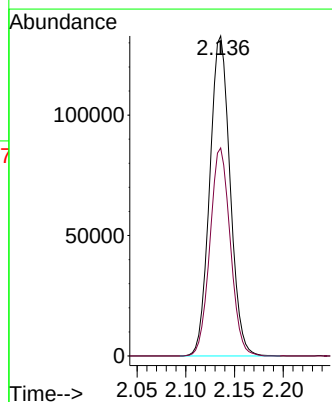
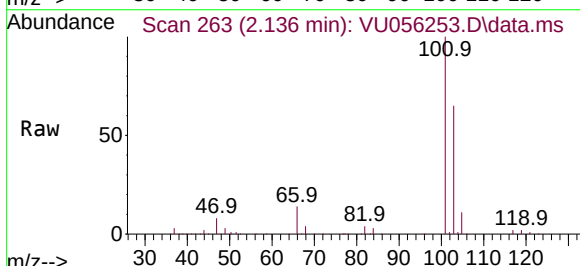
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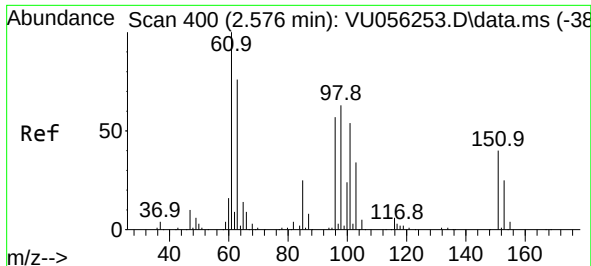
Tgt Ion:101 Resp: 192985

Ion Ratio Lower Upper

101 100

103 65.0 52.0 78.0

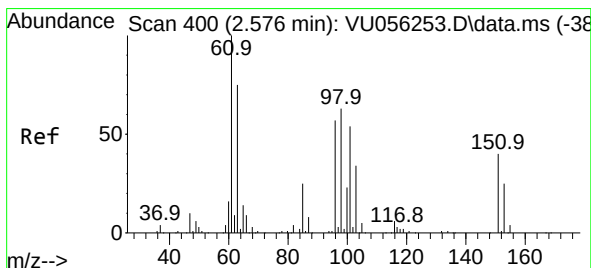
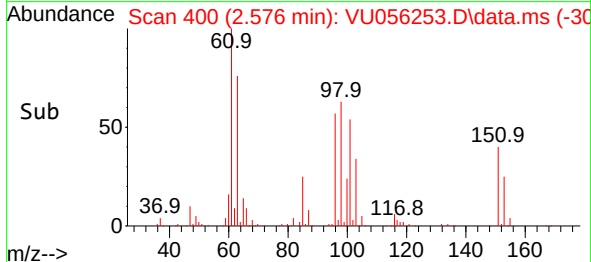
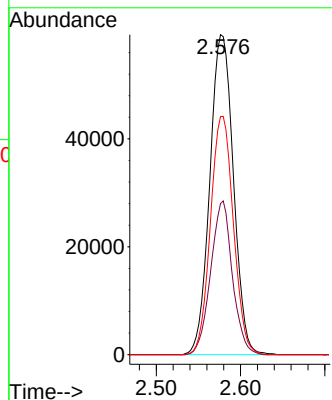
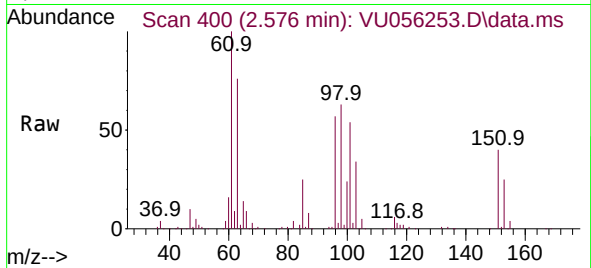




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.250 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU056253.D
Acq: 13 Nov 2023 15:14

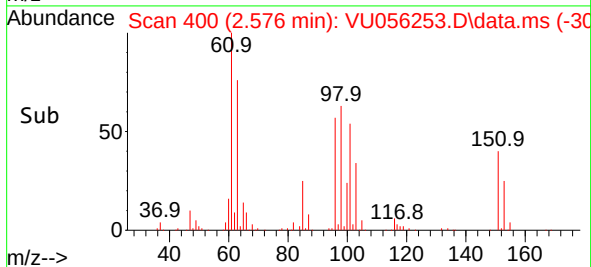
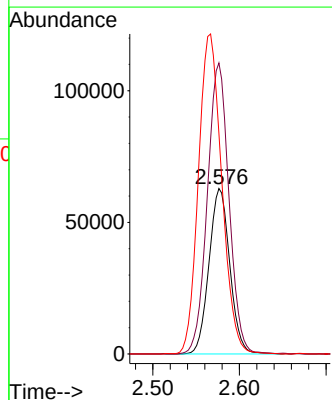
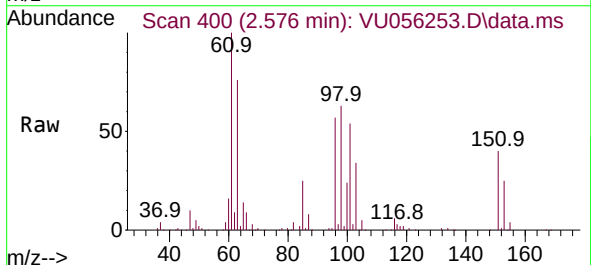
Instrument :
MSVOA_U
ClientSampleId :

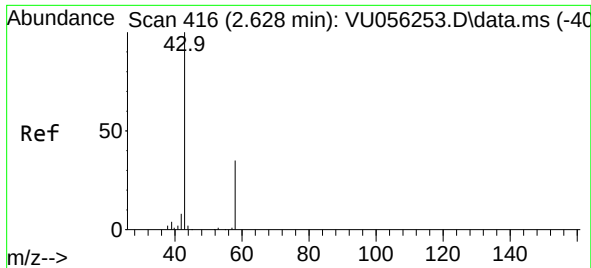
Tgt Ion:101 Resp: 115302
Ion Ratio Lower Upper
101 100
85 44.2 35.4 53.0
151 72.5 58.0 87.0



#12
1,1-Dichloroethene
Concen: 5.199 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.000 min
Lab File: VU056253.D
Acq: 13 Nov 2023 15:14

Tgt Ion: 96 Resp: 104728
Ion Ratio Lower Upper
96 100
61 175.9 123.1 228.7
63 133.3 93.3 173.3





#13

Acetone

Concen: 53.014 ug/L

RT: 2.628 min Scan# 416

Delta R.T. 0.000 min

Lab File: VU056253.D

Acq: 13 Nov 2023 15:14

Instrument :

MSVOA_U

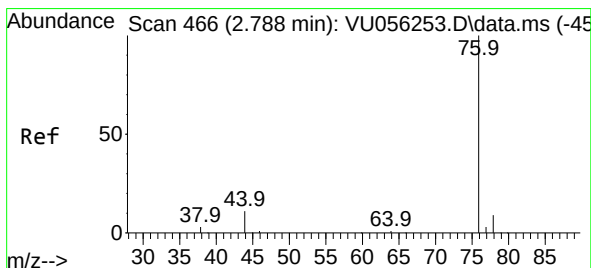
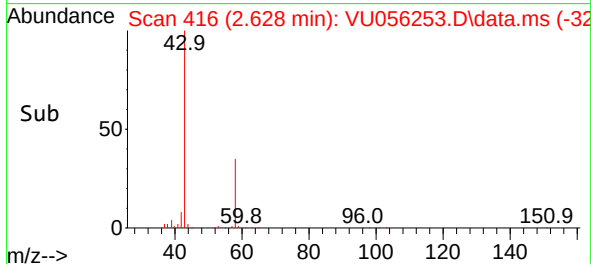
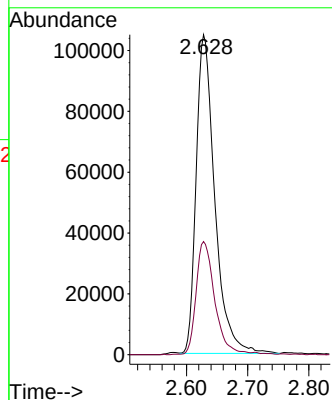
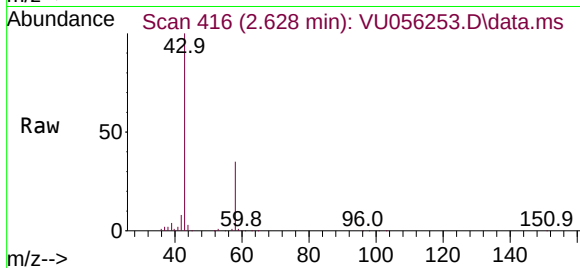
ClientSampleId :

Tgt Ion: 43 Resp: 221596

Ion Ratio Lower Upper

43 100

58 35.0 0.0 70.0



#14

Carbon disulfide

Concen: 5.131 ug/L

RT: 2.788 min Scan# 466

Delta R.T. 0.000 min

Lab File: VU056253.D

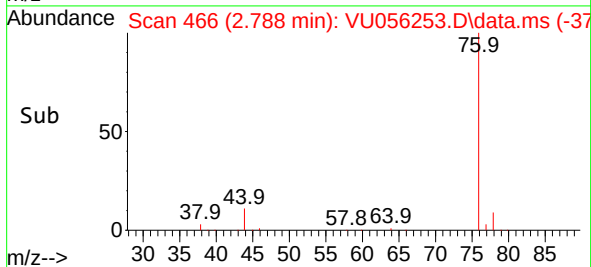
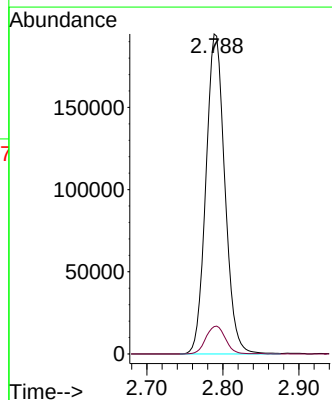
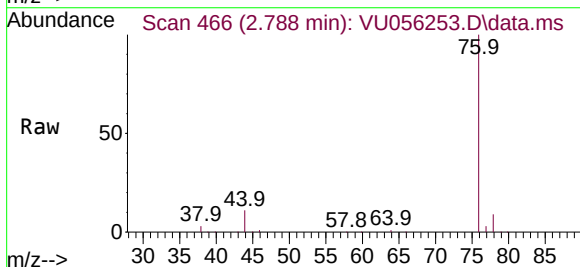
Acq: 13 Nov 2023 15:14

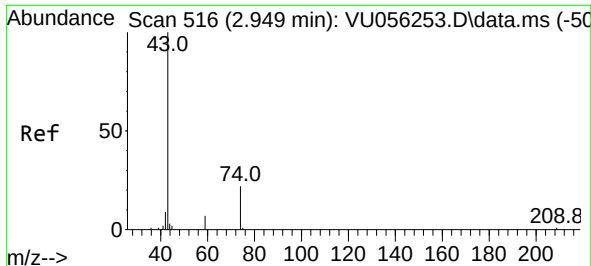
Tgt Ion: 76 Resp: 336300

Ion Ratio Lower Upper

76 100

78 8.5 6.8 10.2

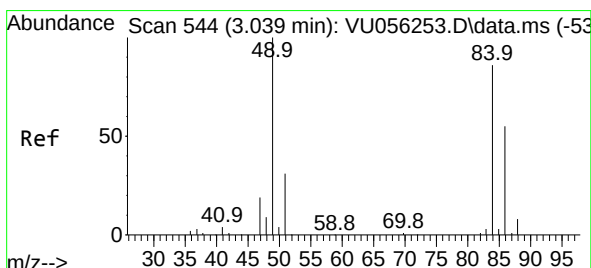
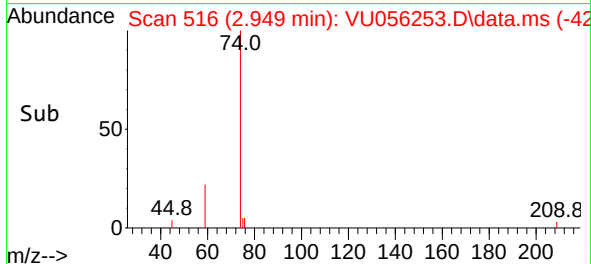
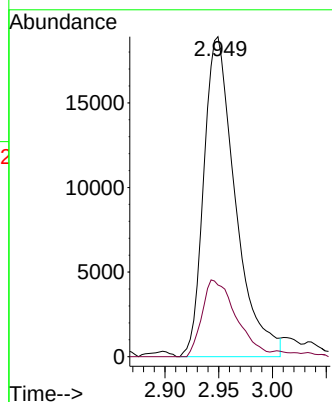
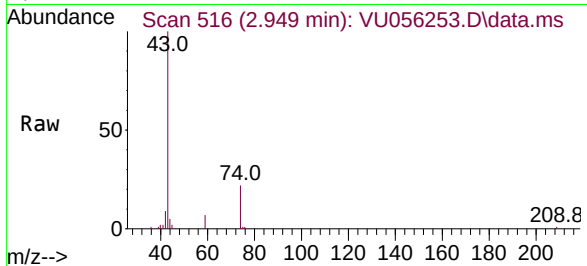




#15
Methyl Acetate
Concen: 5.409 ug/L
RT: 2.949 min Scan# 516
Delta R.T. 0.000 min
Lab File: VU056253.D
Acq: 13 Nov 2023 15:14

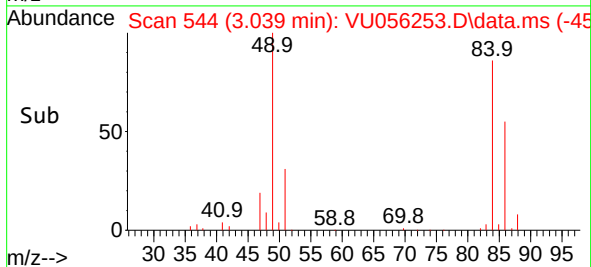
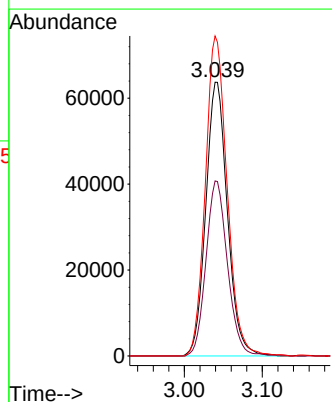
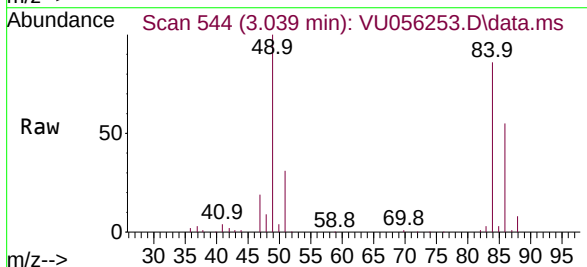
Instrument :
MSVOA_U
ClientSampleId :

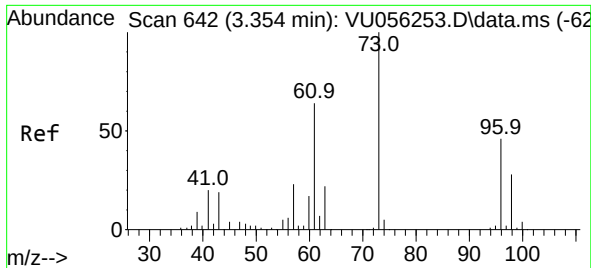
Tgt Ion: 43 Resp: 38638
Ion Ratio Lower Upper
43 100
74 25.8 20.6 31.0



#16
Methylene chloride
Concen: 4.615 ug/L
RT: 3.039 min Scan# 544
Delta R.T. 0.000 min
Lab File: VU056253.D
Acq: 13 Nov 2023 15:14

Tgt Ion: 84 Resp: 123033
Ion Ratio Lower Upper
84 100
86 63.9 44.7 83.1
49 116.9 81.8 152.0

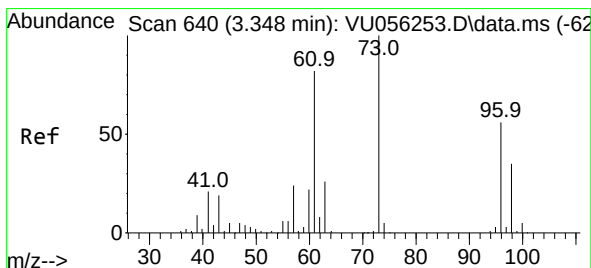
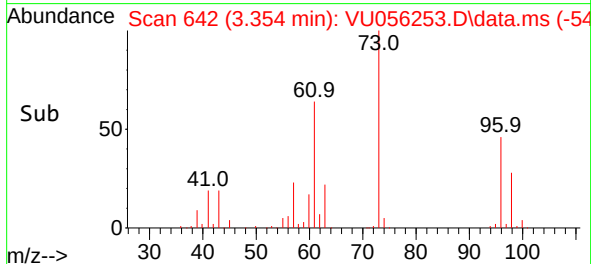
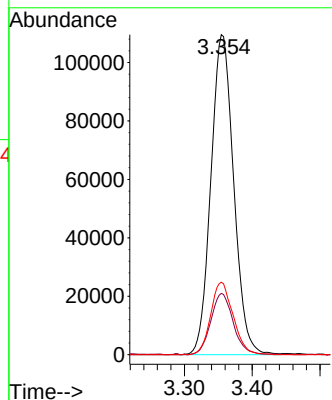
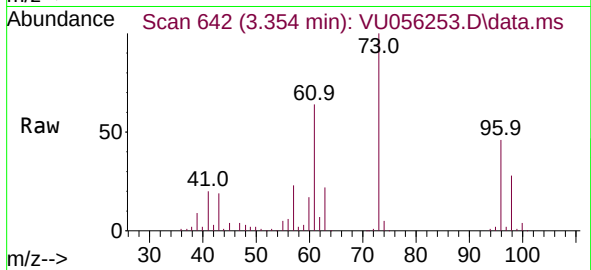




#17
Methyl tert-butyl Ether
Concen: 5.222 ug/L
RT: 3.354 min Scan# 642
Delta R.T. 0.000 min
Lab File: VU056253.D
Acq: 13 Nov 2023 15:14

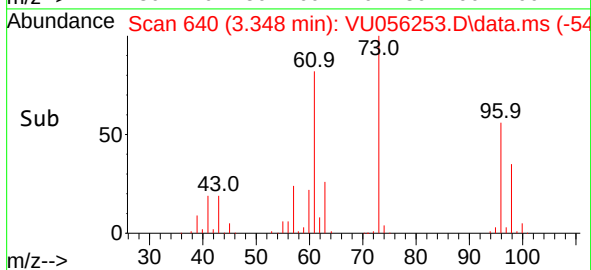
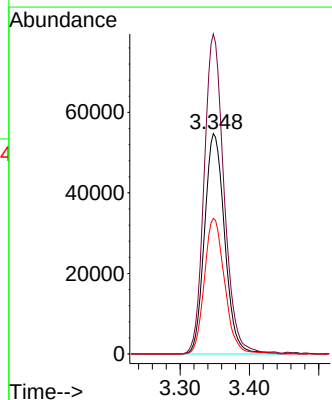
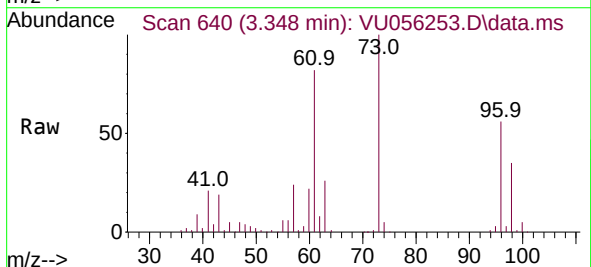
Instrument :
MSVOA_U
ClientSampleId :

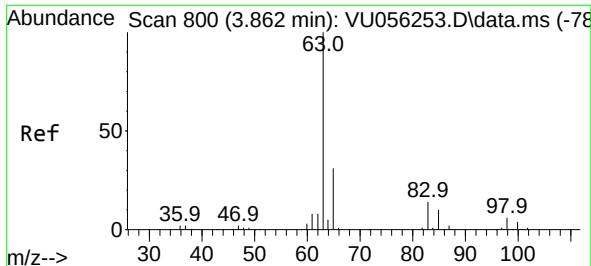
Tgt Ion: 73 Resp: 255586
Ion Ratio Lower Upper
73 100
43 18.9 15.1 22.7
57 22.3 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.332 ug/L
RT: 3.348 min Scan# 640
Delta R.T. 0.000 min
Lab File: VU056253.D
Acq: 13 Nov 2023 15:14

Tgt Ion: 96 Resp: 110511
Ion Ratio Lower Upper
96 100
61 145.3 101.7 188.9
98 61.5 43.0 80.0

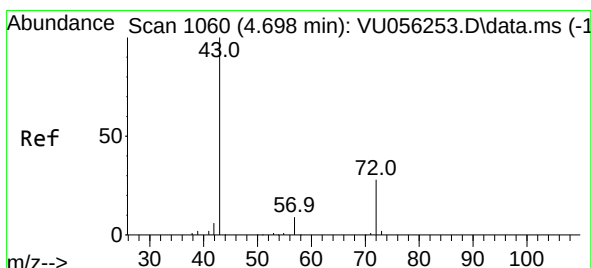
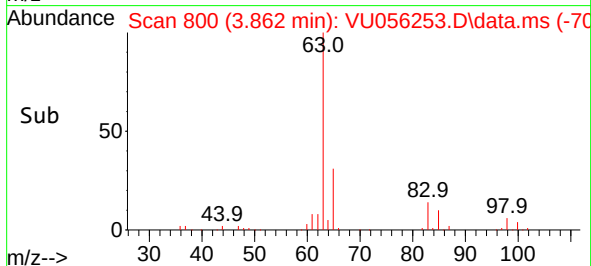
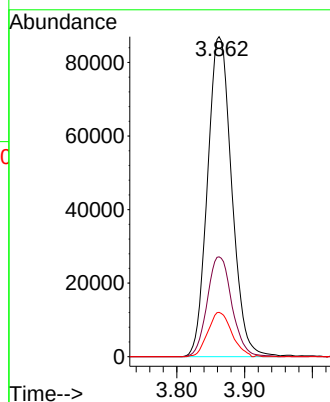
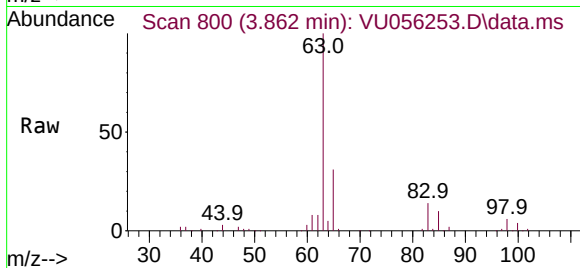




#19
1,1-Dichloroethane
Concen: 5.254 ug/L
RT: 3.862 min Scan# 800
Delta R.T. 0.000 min
Lab File: VU056253.D
Acq: 13 Nov 2023 15:14

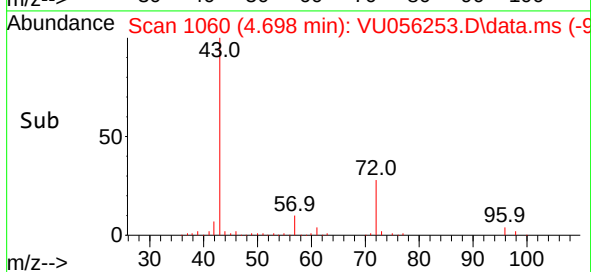
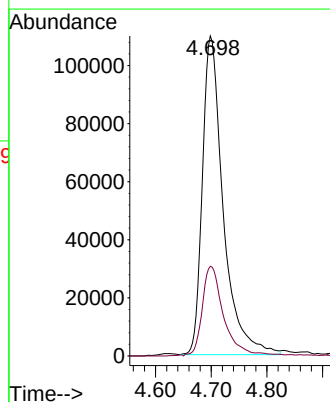
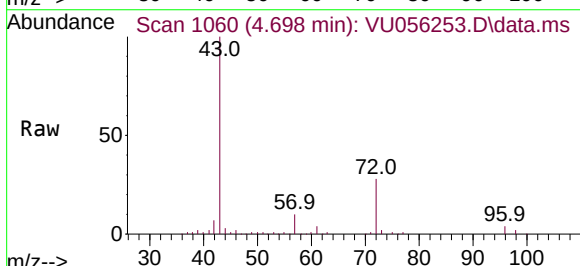
Instrument :
MSVOA_U
ClientSampleId :

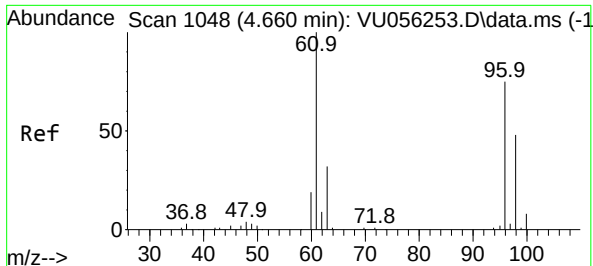
Tgt Ion: 63 Resp: 215688
Ion Ratio Lower Upper
63 100
65 31.2 21.8 40.6
83 13.8 9.7 17.9



#21
2-Butanone
Concen: 54.369 ug/L
RT: 4.698 min Scan# 1060
Delta R.T. 0.000 min
Lab File: VU056253.D
Acq: 13 Nov 2023 15:14

Tgt Ion: 43 Resp: 285010
Ion Ratio Lower Upper
43 100
72 28.4 14.2 42.6

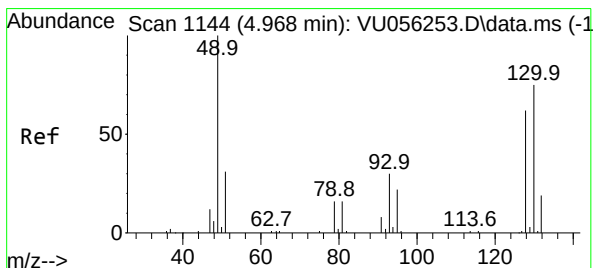
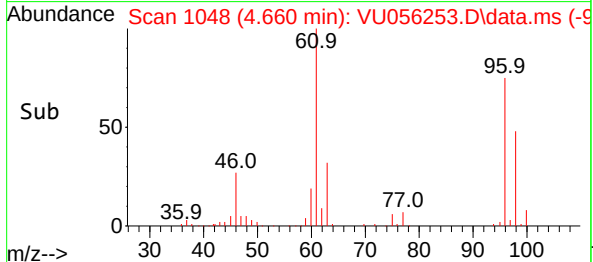
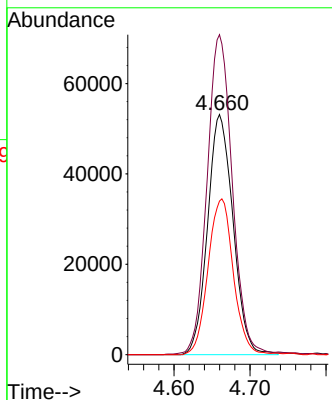
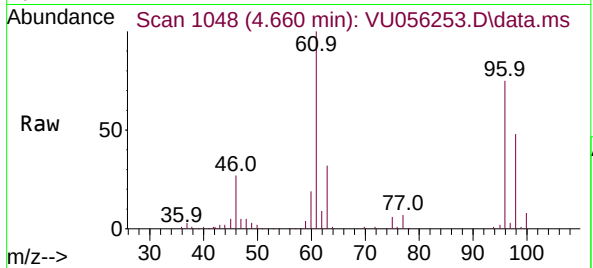




#22
 cis-1,2-Dichloroethene
 Concen: 5.259 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. 0.000 min
 Lab File: VU056253.D
 Acq: 13 Nov 2023 15:14

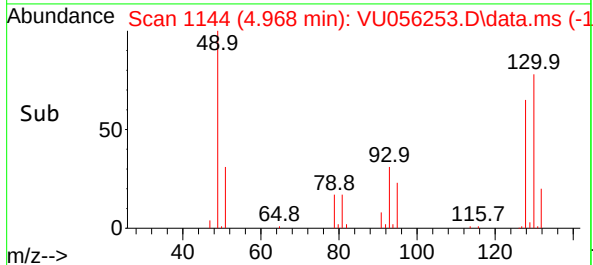
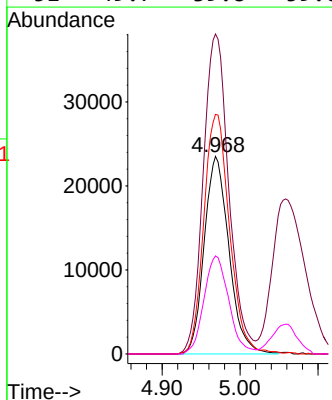
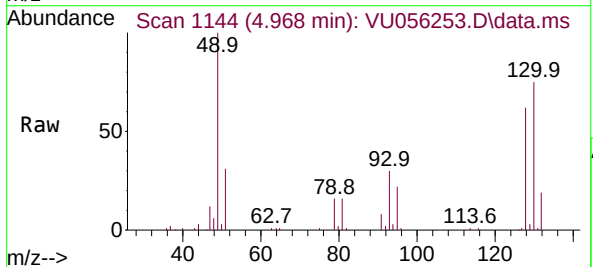
Instrument :
 MSVOA_U
 ClientSampleId :

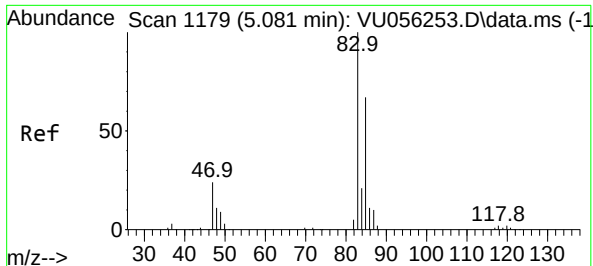
Tgt Ion: 96 Resp: 123608
 Ion Ratio Lower Upper
 96 100
 61 133.2 93.2 173.2
 98 64.0 44.8 83.2



#23
 Bromochloromethane
 Concen: 5.361 ug/L
 RT: 4.968 min Scan# 1144
 Delta R.T. 0.000 min
 Lab File: VU056253.D
 Acq: 13 Nov 2023 15:14

Tgt Ion: 128 Resp: 51867
 Ion Ratio Lower Upper
 128 100
 49 162.0 113.4 210.6
 130 121.2 84.8 157.6
 51 49.7 39.8 59.6





#25

Chloroform

Concen: 5.066 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VU056253.D

Acq: 13 Nov 2023 15:14

Instrument :

MSVOA_U

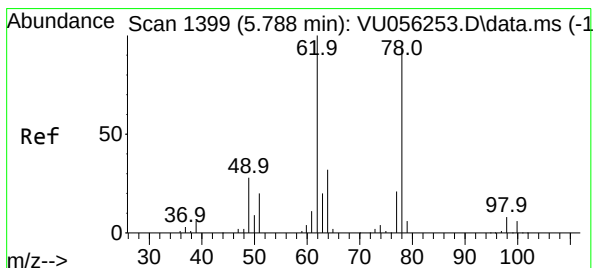
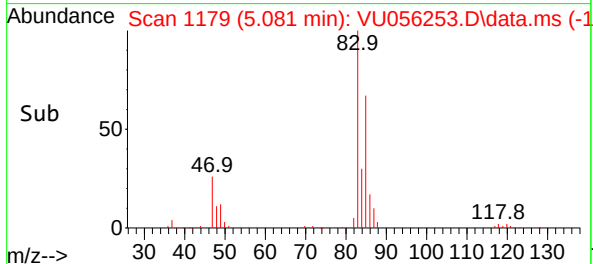
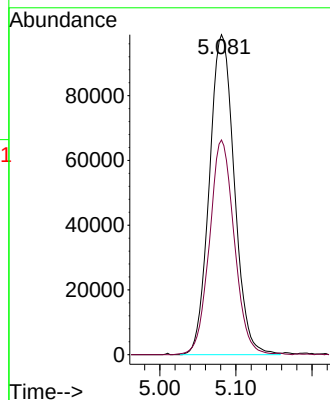
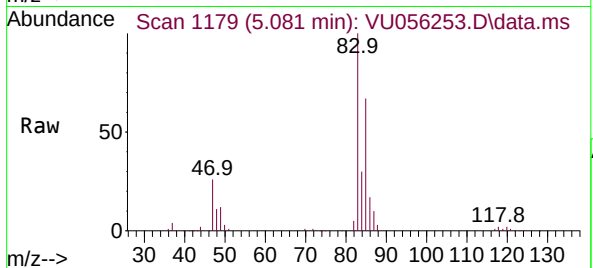
ClientSampleId :

Tgt Ion: 83 Resp: 225312

Ion Ratio Lower Upper

83 100

85 67.1 47.0 87.2



#27

1,2-Dichloroethane

Concen: 5.244 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. 0.000 min

Lab File: VU056253.D

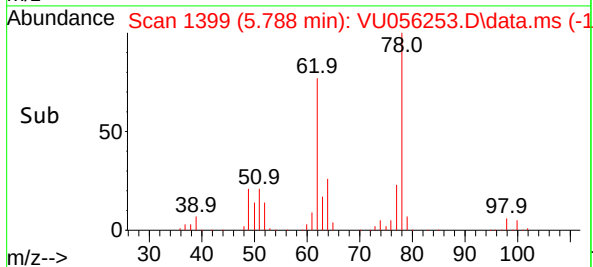
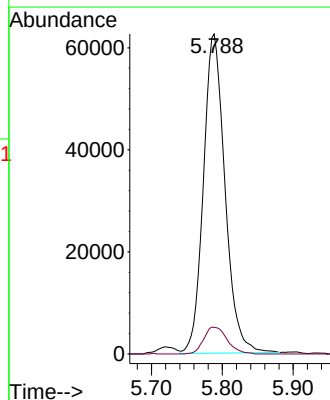
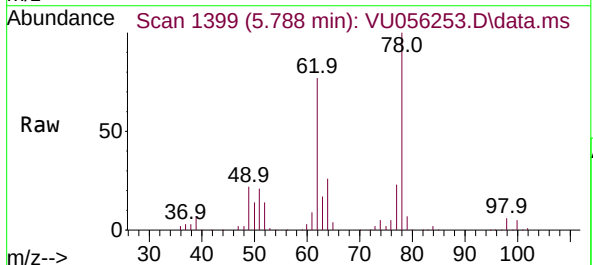
Acq: 13 Nov 2023 15:14

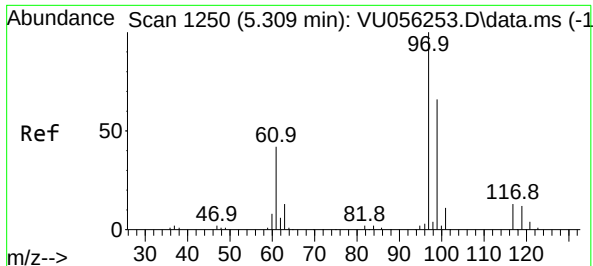
Tgt Ion: 62 Resp: 132442

Ion Ratio Lower Upper

62 100

98 8.3 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 5.312 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. 0.000 min

Lab File: VU056253.D

Acq: 13 Nov 2023 15:14

Instrument :

MSVOA_U

ClientSampleId :

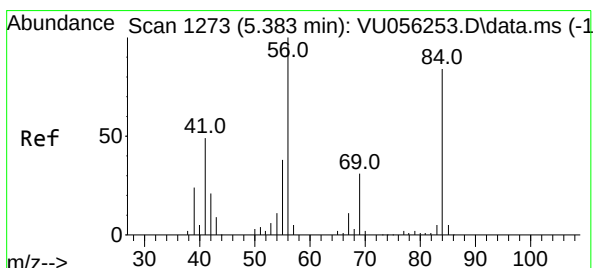
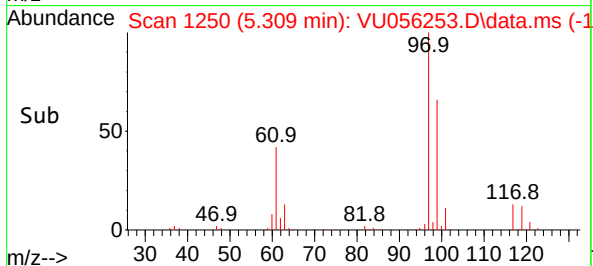
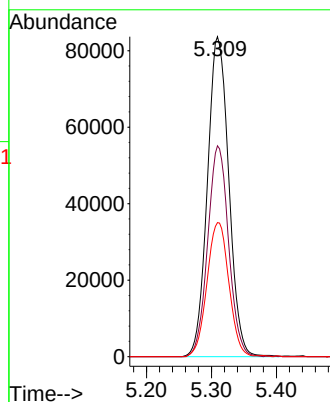
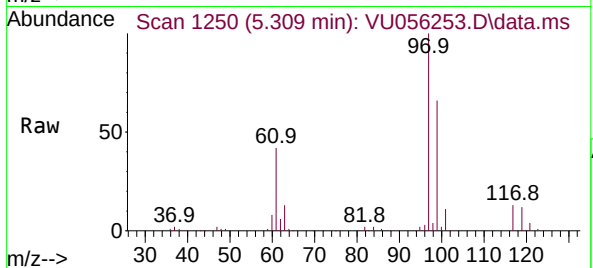
Tgt Ion: 97 Resp: 191587

Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 42.9 34.3 51.5



#30

Cyclohexane

Concen: 5.277 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. 0.000 min

Lab File: VU056253.D

Acq: 13 Nov 2023 15:14

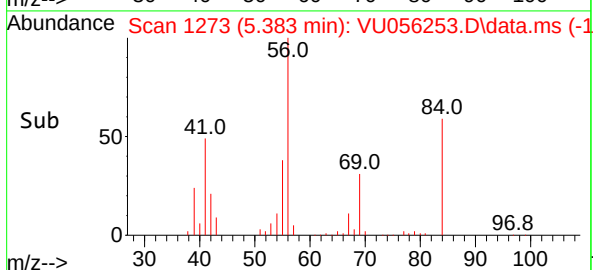
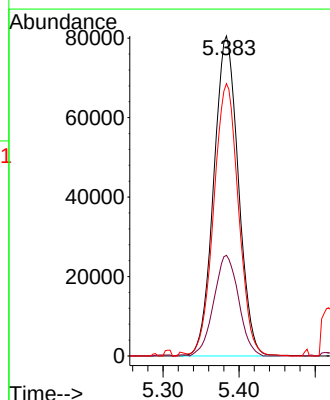
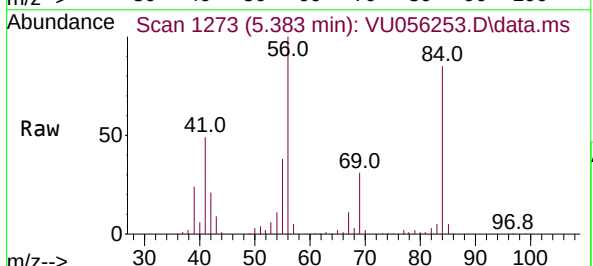
Tgt Ion: 56 Resp: 180629

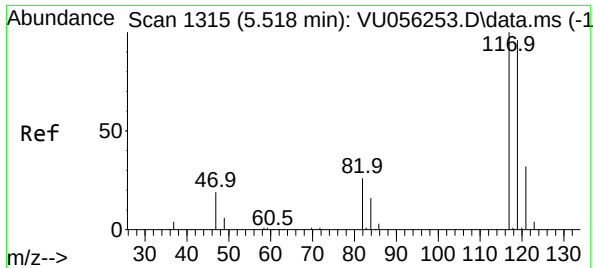
Ion Ratio Lower Upper

56 100

69 31.8 25.4 38.2

84 85.8 68.6 103.0

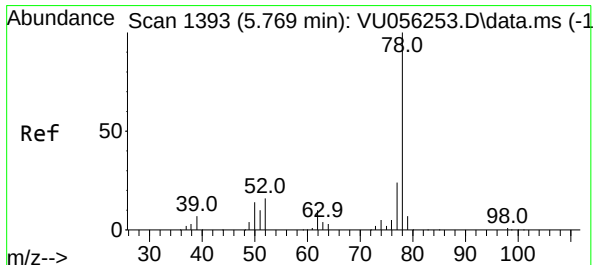
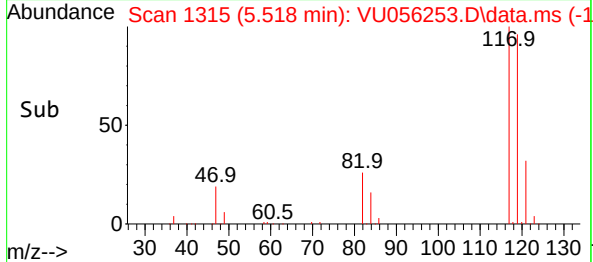
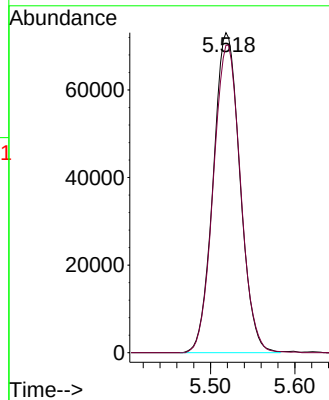
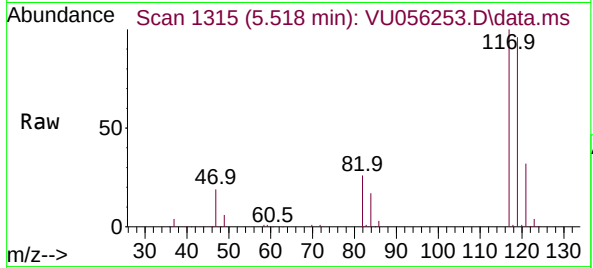




#31
Carbon tetrachloride
Concen: 5.198 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. 0.000 min
Lab File: VU056253.D
Acq: 13 Nov 2023 15:14

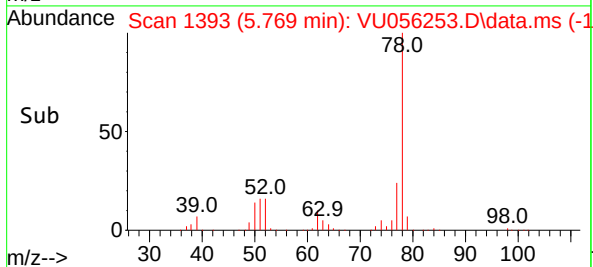
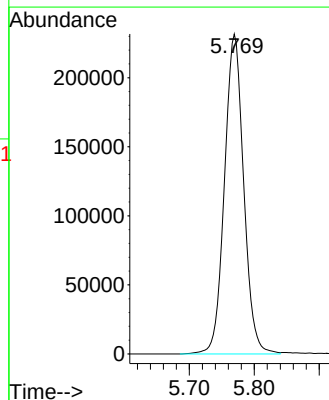
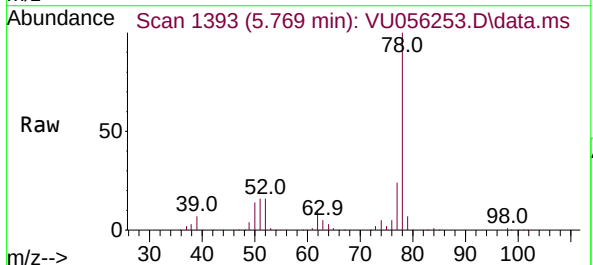
Instrument :
MSVOA_U
ClientSampleId :

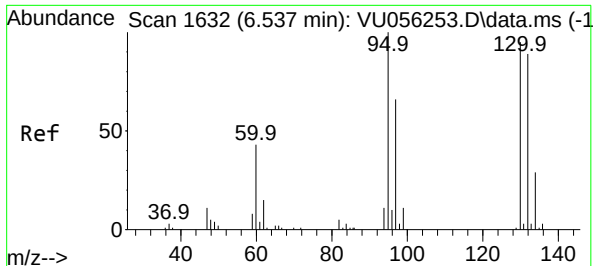
Tgt Ion:117 Resp: 161027
Ion Ratio Lower Upper
117 100
119 97.6 78.1 117.1



#33
Benzene
Concen: 5.298 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. 0.000 min
Lab File: VU056253.D
Acq: 13 Nov 2023 15:14

Tgt Ion: 78 Resp: 474975





#34

Trichloroethene

Concen: 5.197 ug/L

RT: 6.537 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056253.D

Acq: 13 Nov 2023 15:14

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 126960

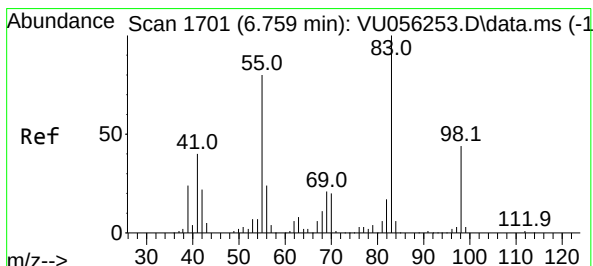
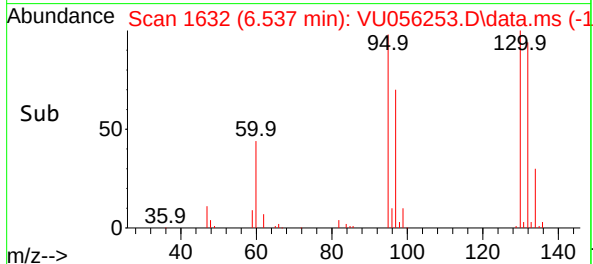
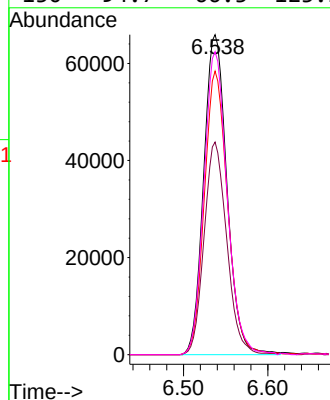
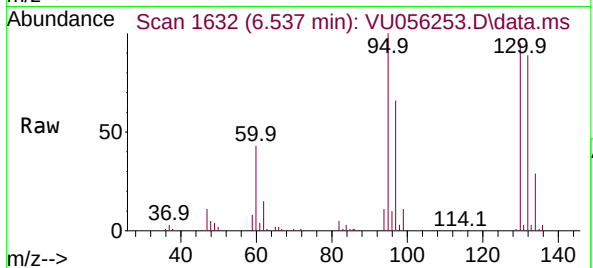
Ion Ratio Lower Upper

95 100

97 66.4 46.5 86.3

132 88.6 62.0 115.2

130 94.7 66.3 123.1



#35

Methylcyclohexane

Concen: 5.405 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. 0.000 min

Lab File: VU056253.D

Acq: 13 Nov 2023 15:14

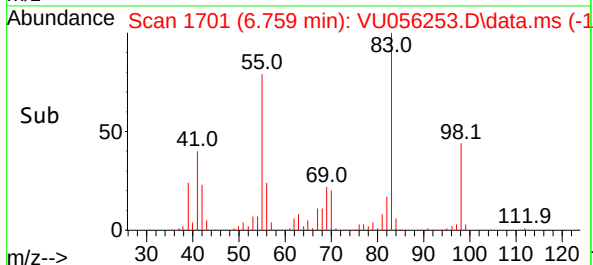
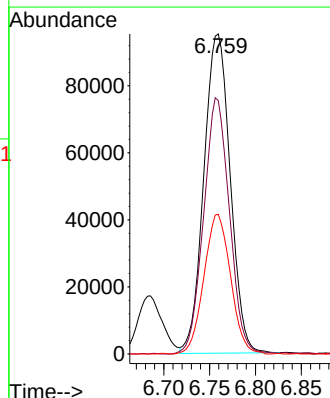
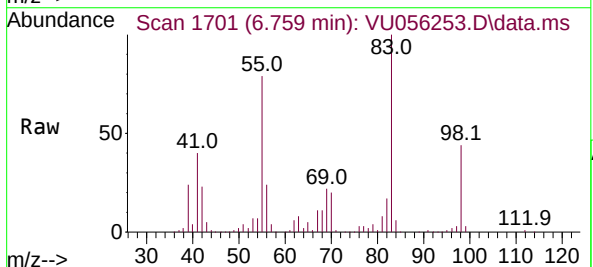
Tgt Ion: 83 Resp: 190621

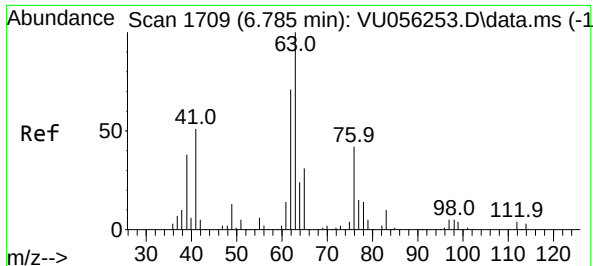
Ion Ratio Lower Upper

83 100

55 78.6 62.9 94.3

98 44.1 35.3 52.9





#37

1,2-Dichloropropane

Concen: 5.351 ug/L

RT: 6.785 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU056253.D

Acq: 13 Nov 2023 15:14

Instrument :

MSVOA_U

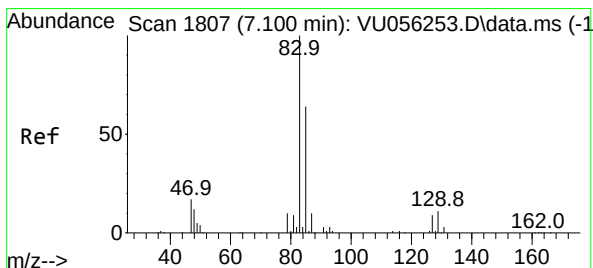
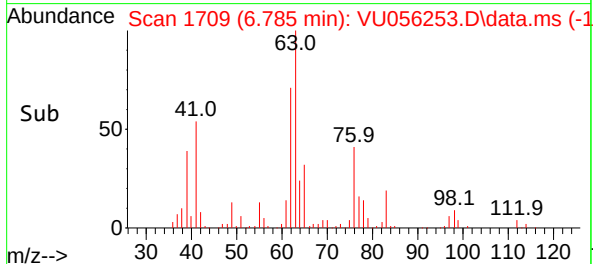
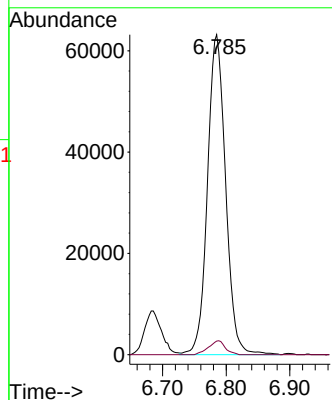
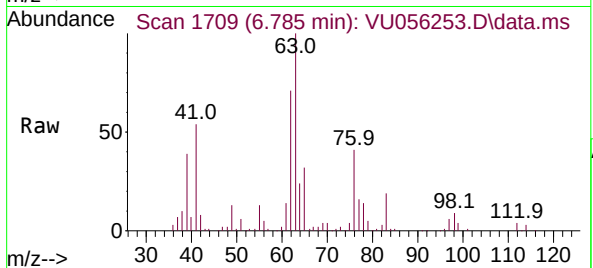
ClientSampleId :

Tgt Ion: 63 Resp: 125102

Ion Ratio Lower Upper

63 100

112 4.0 3.2 4.8



#38

Bromodichloromethane

Concen: 5.174 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. 0.000 min

Lab File: VU056253.D

Acq: 13 Nov 2023 15:14

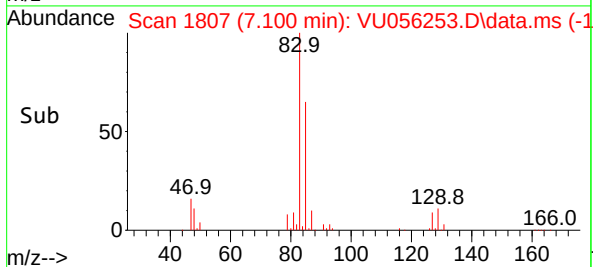
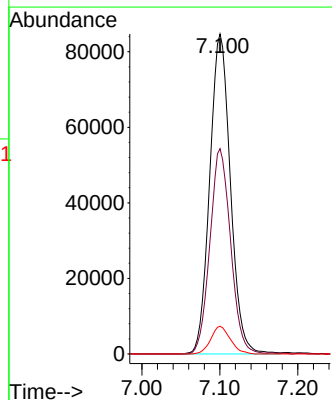
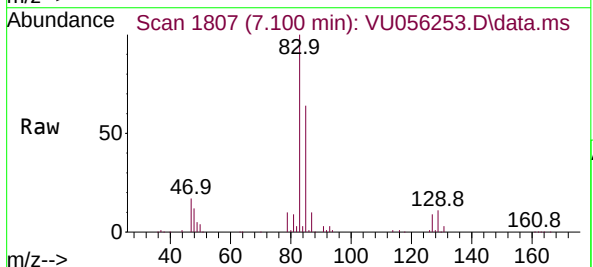
Tgt Ion: 83 Resp: 156154

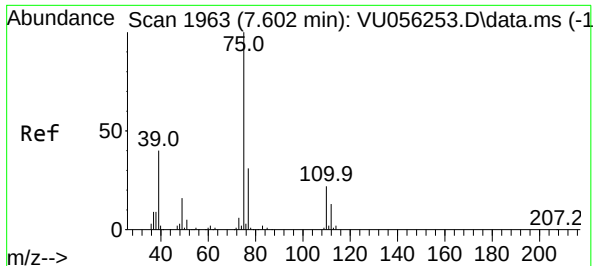
Ion Ratio Lower Upper

83 100

85 64.2 44.9 83.5

127 8.6 6.9 10.3

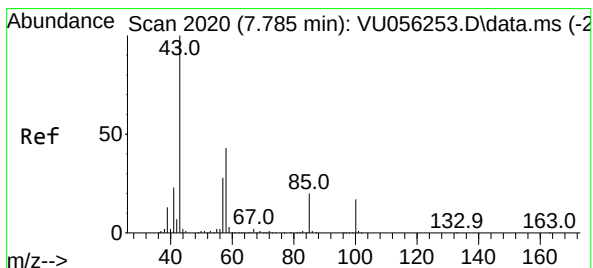
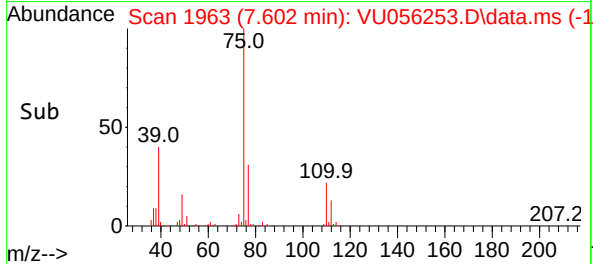
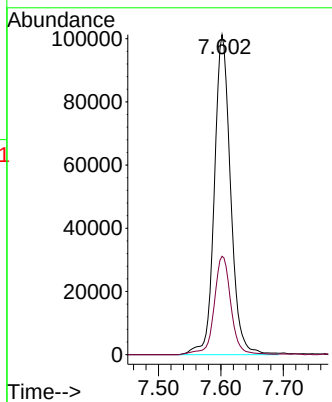
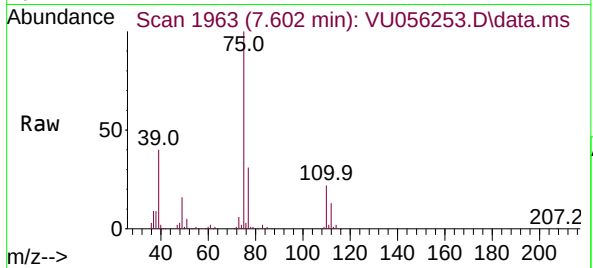




#39
 cis-1,3-Dichloropropene
 Concen: 5.335 ug/L
 RT: 7.602 min Scan# 1963
 Delta R.T. 0.000 min
 Lab File: VU056253.D
 Acq: 13 Nov 2023 15:14

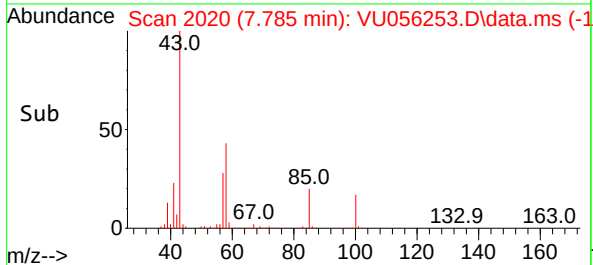
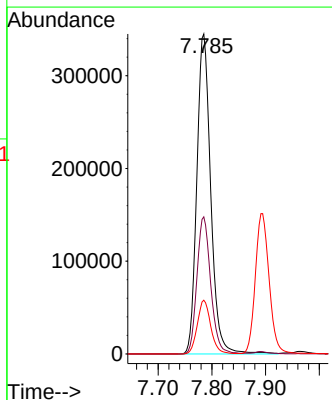
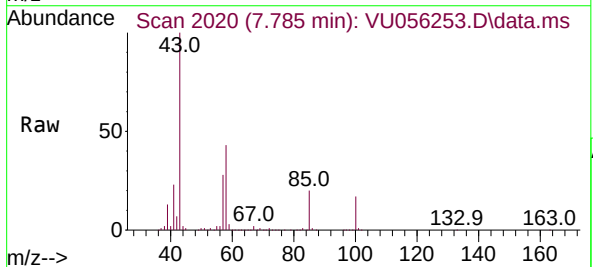
Instrument :
 MSVOA_U
 ClientSampleId :

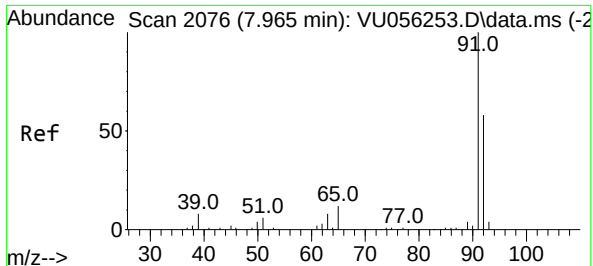
Tgt Ion: 75 Resp: 183283
 Ion Ratio Lower Upper
 75 100
 77 30.7 21.5 39.9



#40
 4-Methyl-2-pentanone
 Concen: 53.561 ug/L
 RT: 7.785 min Scan# 2020
 Delta R.T. 0.000 min
 Lab File: VU056253.D
 Acq: 13 Nov 2023 15:14

Tgt Ion: 43 Resp: 620768
 Ion Ratio Lower Upper
 43 100
 58 42.3 33.8 50.8
 100 16.2 13.0 19.4





#42

Toluene

Concen: 5.447 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. 0.000 min

Lab File: VU056253.D

Acq: 13 Nov 2023 15:14

Instrument :

MSVOA_U

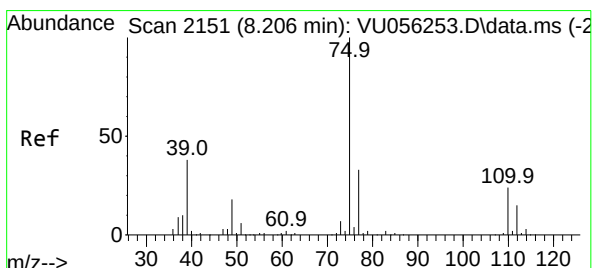
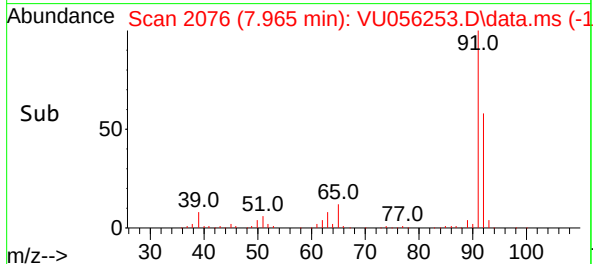
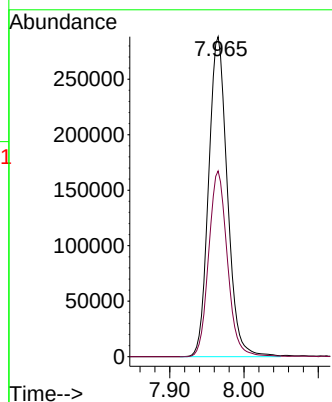
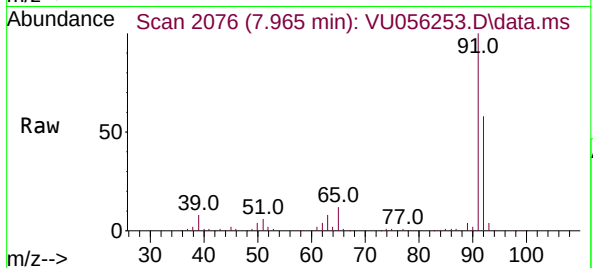
ClientSampleId :

Tgt Ion: 91 Resp: 505636

Ion Ratio Lower Upper

91 100

92 58.0 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.331 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. 0.000 min

Lab File: VU056253.D

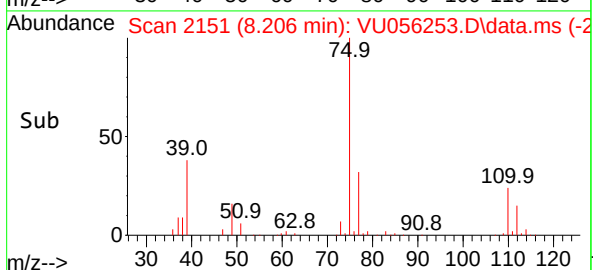
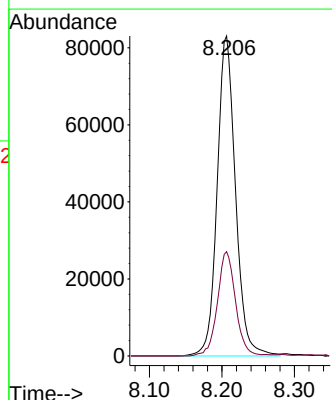
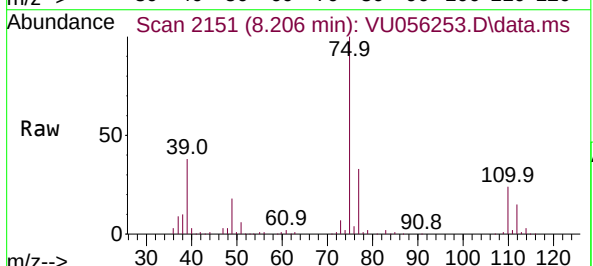
Acq: 13 Nov 2023 15:14

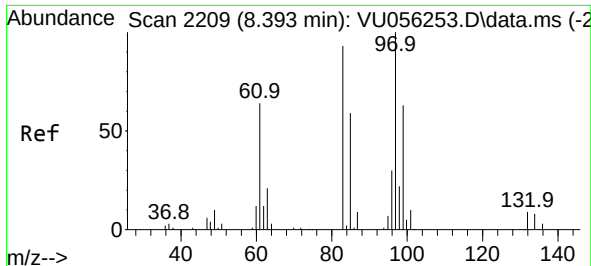
Tgt Ion: 75 Resp: 146013

Ion Ratio Lower Upper

75 100

77 32.6 22.8 42.4

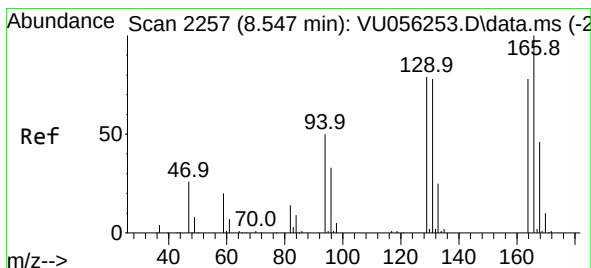
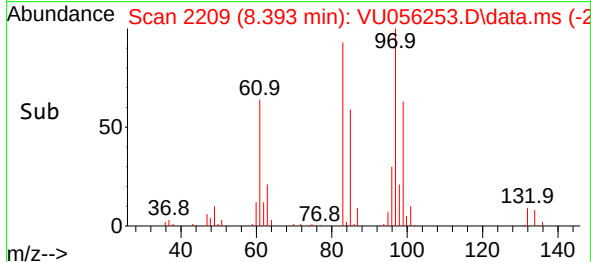
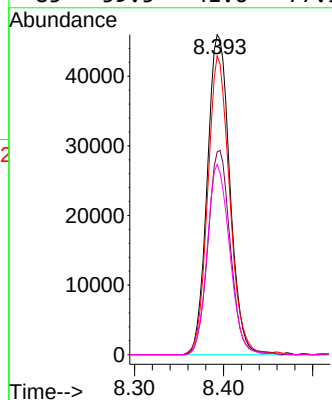
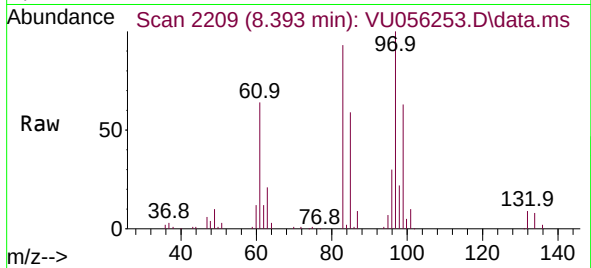




#45
1,1,2-Trichloroethane
Concen: 5.189 ug/L
RT: 8.393 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU056253.D
Acq: 13 Nov 2023 15:14

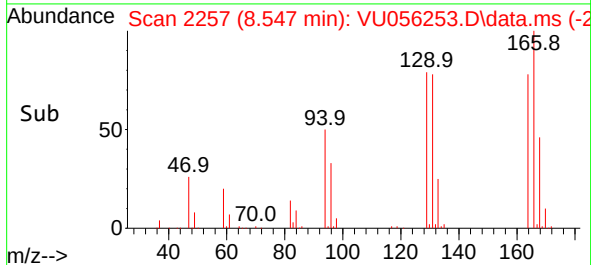
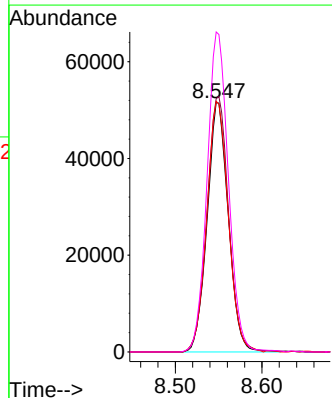
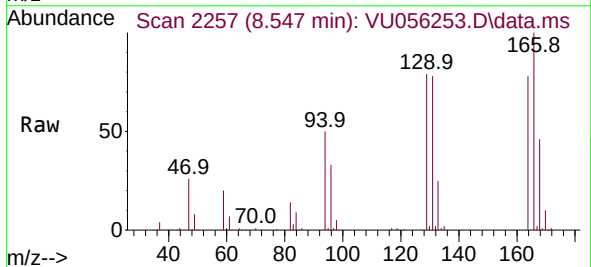
Instrument :
MSVOA_U
ClientSampleId :

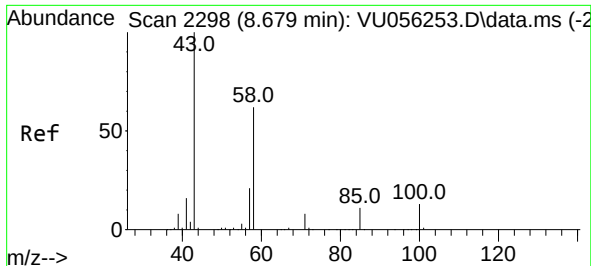
Tgt Ion:	97	Resp:	80801
Ion	Ratio	Lower	Upper
97	100		
99	63.3	44.3	82.3
83	93.4	65.4	121.4
85	59.5	41.6	77.3



#47
Tetrachloroethene
Concen: 5.298 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. 0.000 min
Lab File: VU056253.D
Acq: 13 Nov 2023 15:14

Tgt Ion:	164	Resp:	87262
Ion	Ratio	Lower	Upper
164	100		
129	101.5	71.0	131.9
131	100.5	70.3	130.7
166	128.3	89.8	166.8

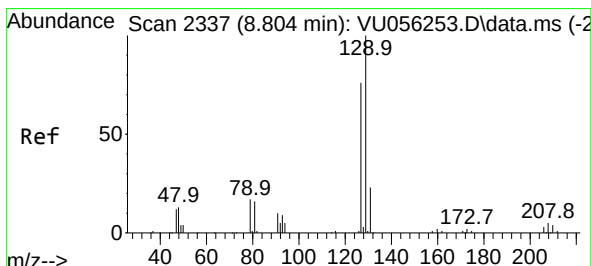
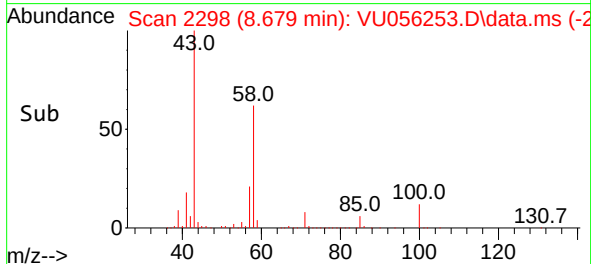
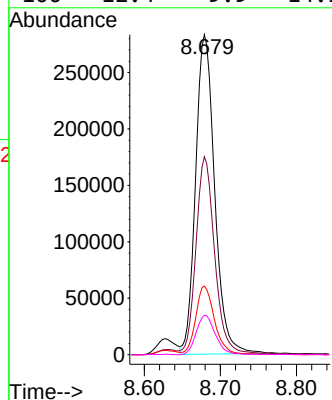
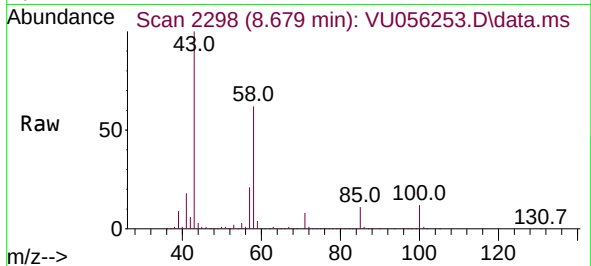




#48
2-Hexanone
Concen: 54.753 ug/L
RT: 8.679 min Scan# 2298
Delta R.T. 0.000 min
Lab File: VU056253.D
Acq: 13 Nov 2023 15:14

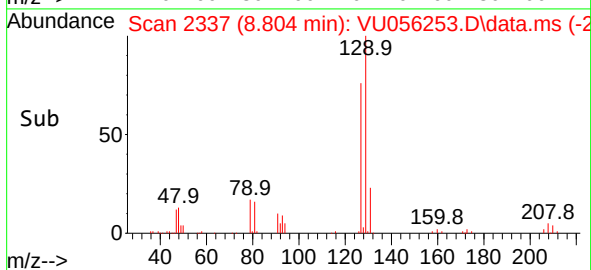
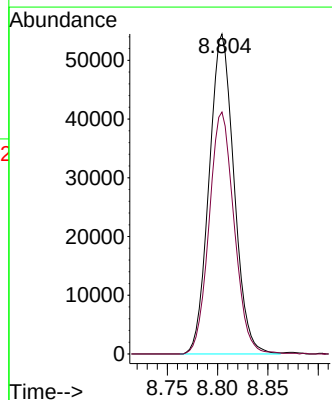
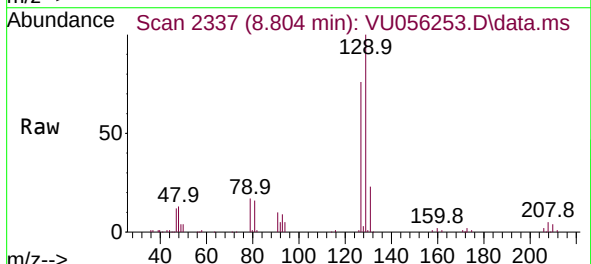
Instrument :
MSVOA_U
ClientSampleId :

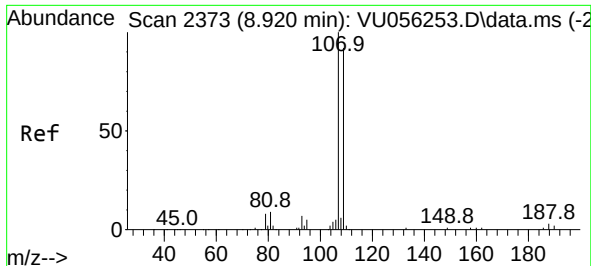
Tgt Ion:	43	Resp:	494366
Ion	Ratio	Lower	Upper
43	100		
58	60.9	48.7	73.1
57	21.0	16.8	25.2
100	12.4	9.9	14.9



#49
Dibromochloromethane
Concen: 5.296 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. 0.000 min
Lab File: VU056253.D
Acq: 13 Nov 2023 15:14

Tgt Ion:	129	Resp:	93784
Ion	Ratio	Lower	Upper
129	100		
127	75.6	52.9	98.3





#50

1,2-Dibromoethane

Concen: 5.397 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU056253.D

Acq: 13 Nov 2023 15:14

Instrument :

MSVOA_U

ClientSampleId :

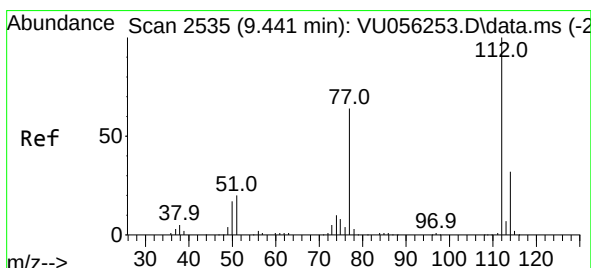
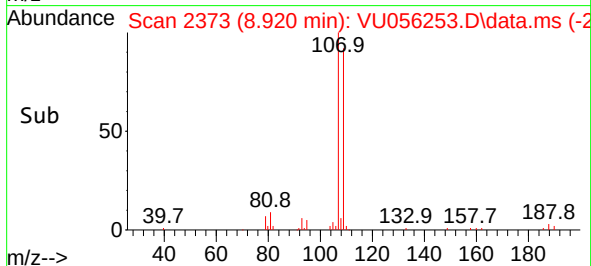
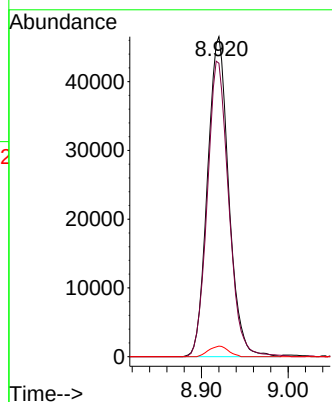
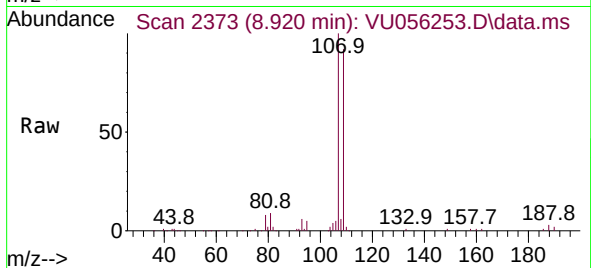
Tgt Ion:107 Resp: 79339

Ion Ratio Lower Upper

107 100

109 91.7 64.2 119.2

188 3.3 2.6 4.0



#51

Chlorobenzene

Concen: 5.279 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. 0.000 min

Lab File: VU056253.D

Acq: 13 Nov 2023 15:14

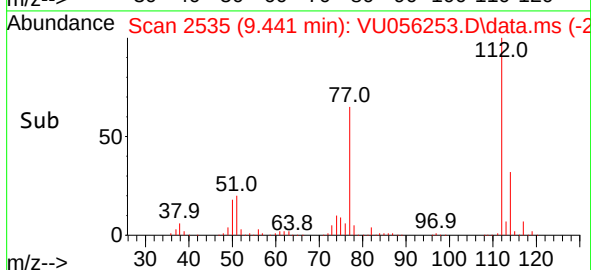
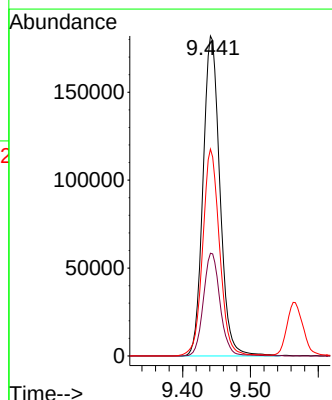
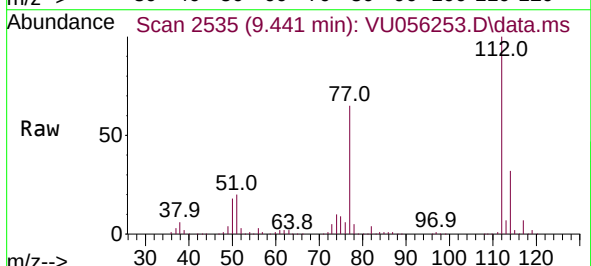
Tgt Ion:112 Resp: 314858

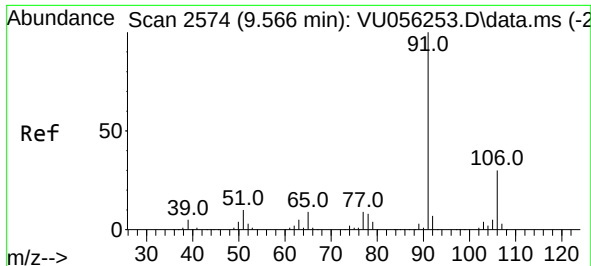
Ion Ratio Lower Upper

112 100

114 32.1 22.5 41.7

77 64.6 51.7 77.5

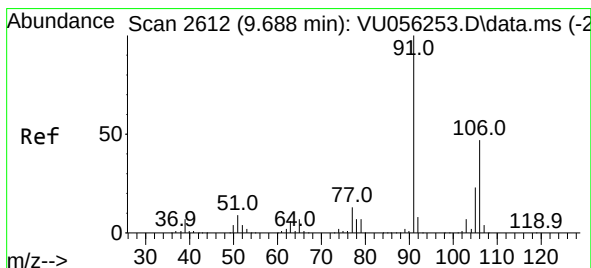
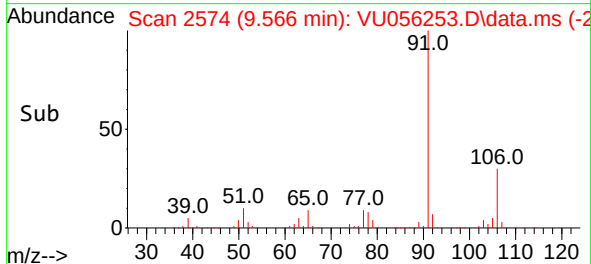
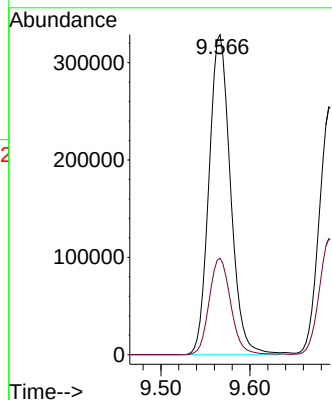
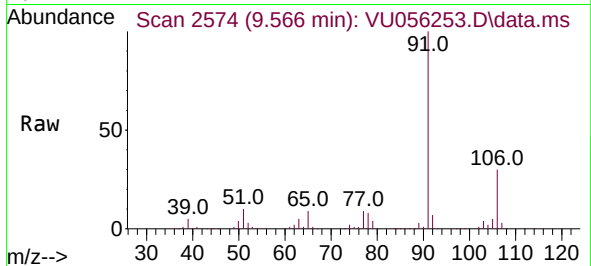




#52
Ethylbenzene
Concen: 5.342 ug/L
RT: 9.566 min Scan# 2106
Delta R.T. 0.000 min
Lab File: VU056253.D
Acq: 13 Nov 2023 15:14

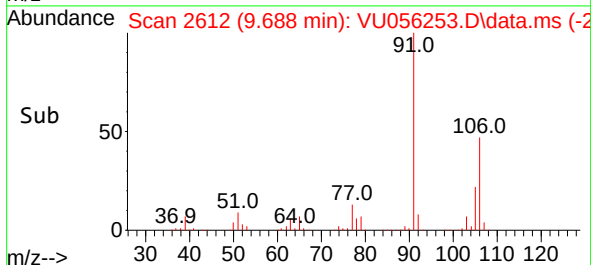
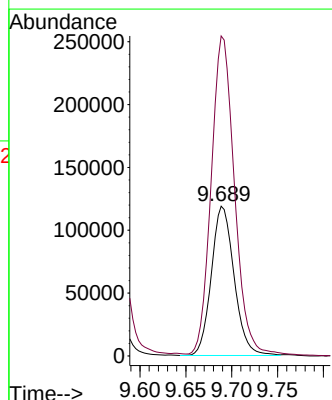
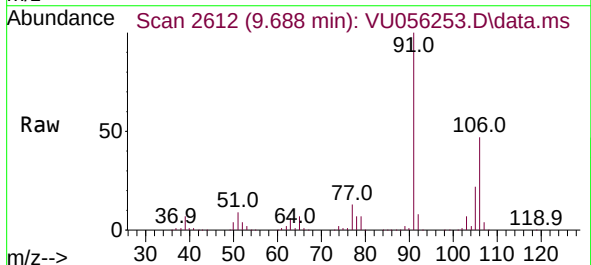
Instrument :
MSVOA_U
ClientSampleId :

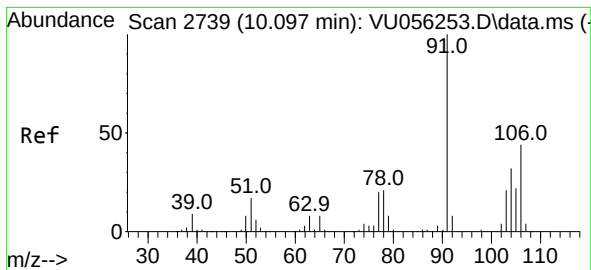
Tgt Ion: 91 Resp: 550651
Ion Ratio Lower Upper
91 100
106 30.1 21.1 39.1



#53
m,p-Xylene
Concen: 5.421 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. 0.000 min
Lab File: VU056253.D
Acq: 13 Nov 2023 15:14

Tgt Ion: 106 Resp: 205414
Ion Ratio Lower Upper
106 100
91 213.7 149.6 277.8





#54

o-Xylene

Concen: 5.390 ug/L

RT: 10.097 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU056253.D

Acq: 13 Nov 2023 15:14

Instrument :

MSVOA_U

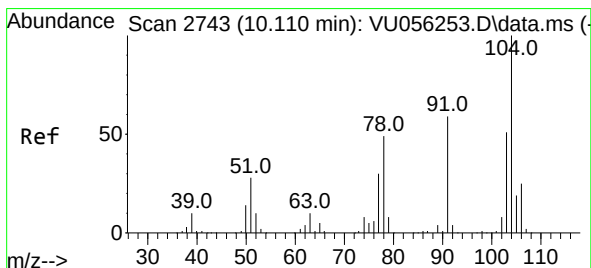
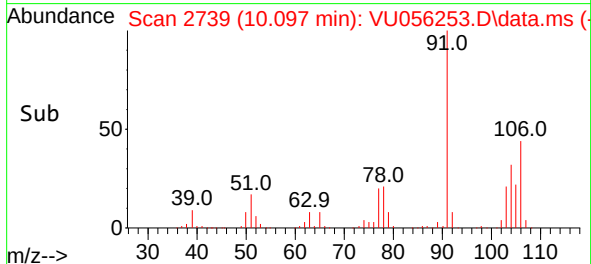
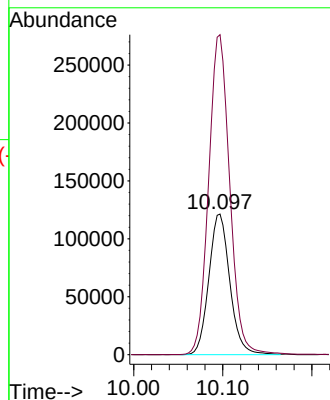
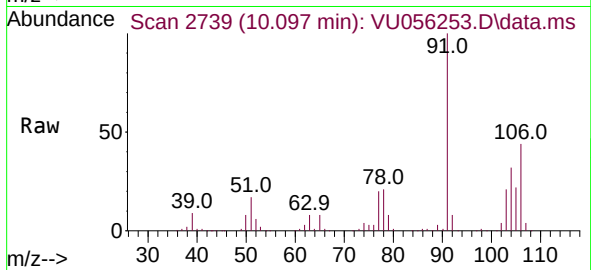
ClientSampleId :

Tgt Ion:106 Resp: 198394

Ion Ratio Lower Upper

106 100

91 227.6 159.3 295.9



#55

Styrene

Concen: 5.622 ug/L

RT: 10.110 min Scan# 2743

Delta R.T. 0.000 min

Lab File: VU056253.D

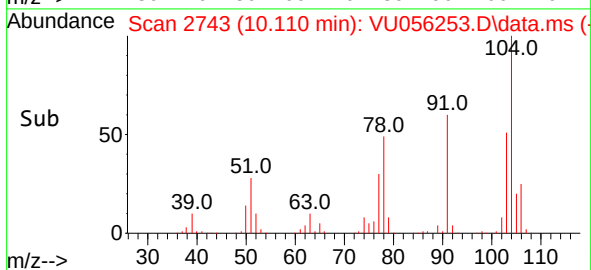
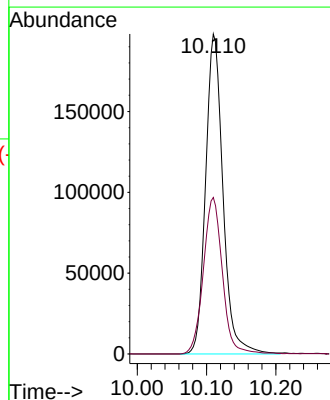
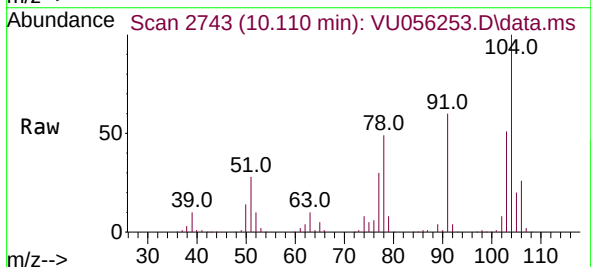
Acq: 13 Nov 2023 15:14

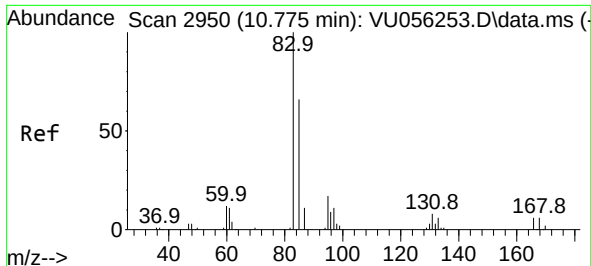
Tgt Ion:104 Resp: 344238

Ion Ratio Lower Upper

104 100

78 48.9 34.2 63.6

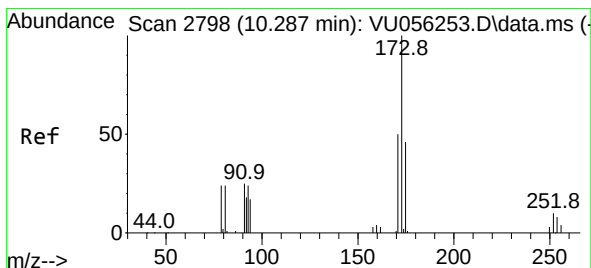
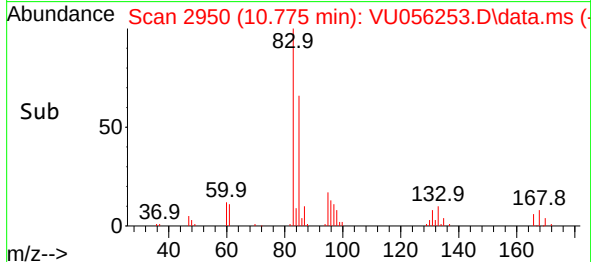
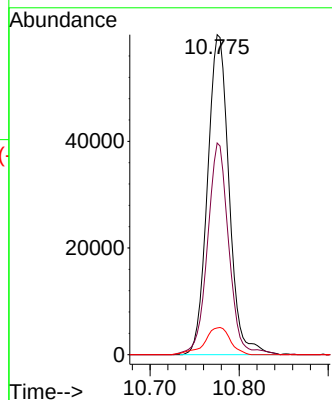
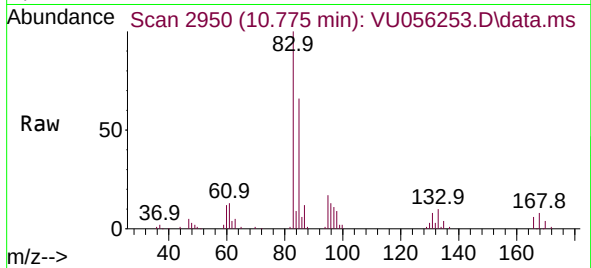




#57
1,1,2,2-Tetrachloroethane
Concen: 5.283 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. 0.000 min
Lab File: VU056253.D
Acq: 13 Nov 2023 15:14

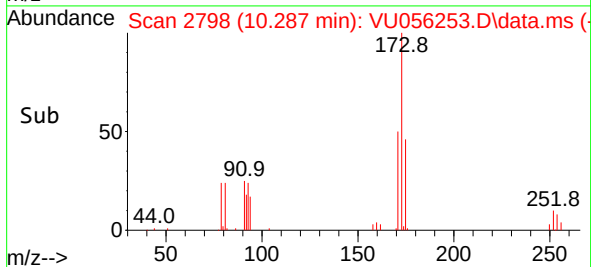
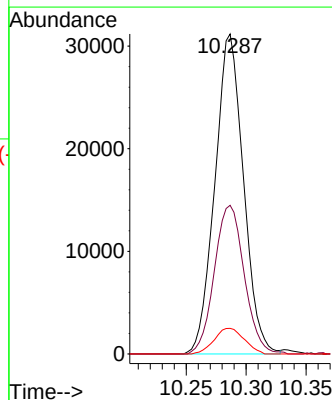
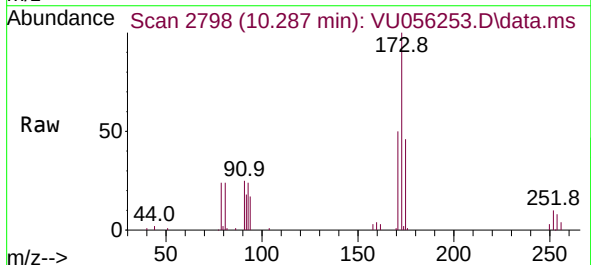
Instrument :
MSVOA_U
ClientSampleId :

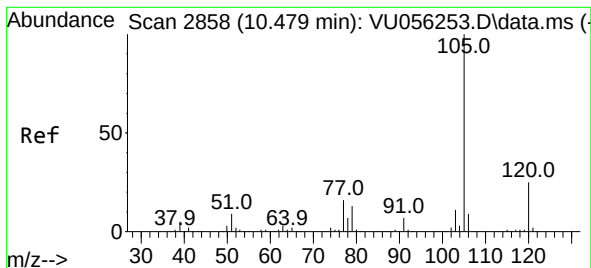
Tgt Ion: 83 Resp: 100450
Ion Ratio Lower Upper
83 100
85 66.2 46.3 86.1
131 8.4 6.7 10.1



#59
Bromoform
Concen: 5.344 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. 0.000 min
Lab File: VU056253.D
Acq: 13 Nov 2023 15:14

Tgt Ion:173 Resp: 51576
Ion Ratio Lower Upper
173 100
175 48.6 38.9 58.3
254 8.4 6.7 10.1





#60

Isopropylbenzene

Concen: 5.368 ug/L

RT: 10.479 min Scan# 2858

Delta R.T. 0.000 min

Lab File: VU056253.D

Acq: 13 Nov 2023 15:14

Instrument :

MSVOA_U

ClientSampleId :

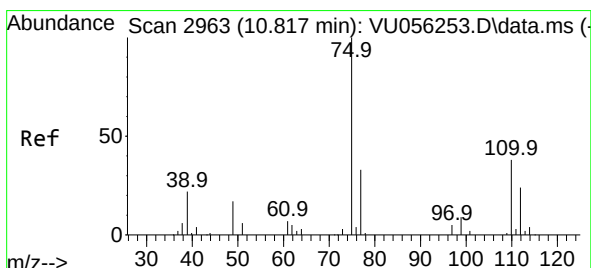
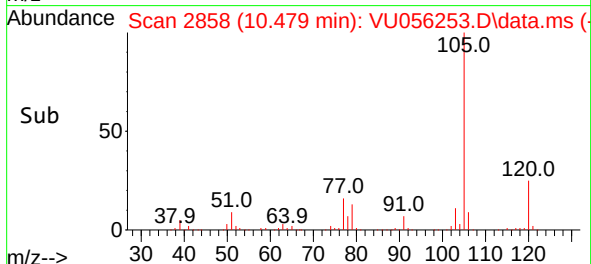
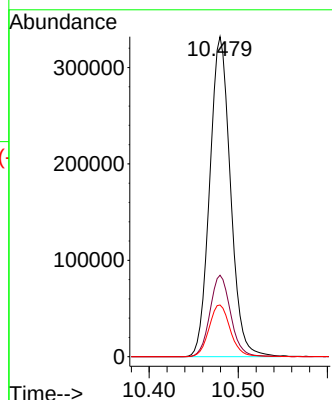
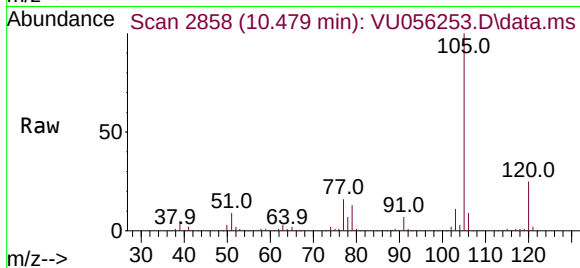
Tgt Ion:105 Resp: 536355

Ion Ratio Lower Upper

105 100

120 25.5 20.4 30.6

77 16.6 13.3 19.9



#61

1,2,3-Trichloropropane

Concen: 5.314 ug/L

RT: 10.817 min Scan# 2963

Delta R.T. 0.000 min

Lab File: VU056253.D

Acq: 13 Nov 2023 15:14

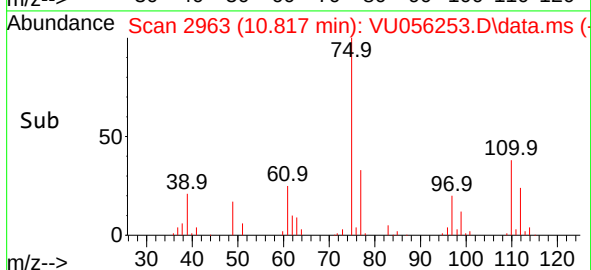
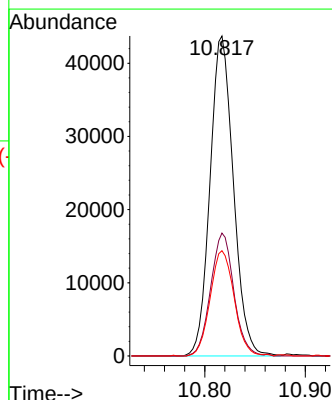
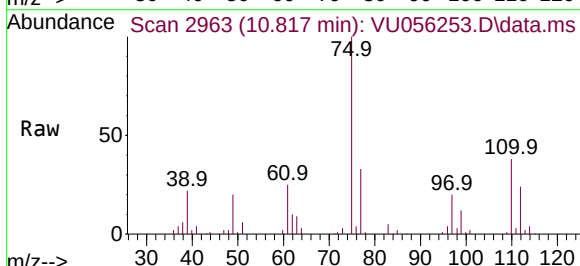
Tgt Ion: 75 Resp: 70647

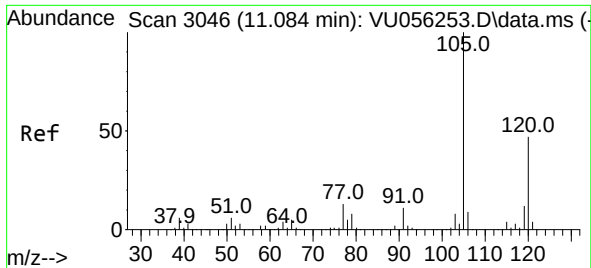
Ion Ratio Lower Upper

75 100

110 38.0 30.4 45.6

77 33.8 27.0 40.6





#62

1,3,5-Trimethylbenzene

Concen: 5.337 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. 0.000 min

Lab File: VU056253.D

Acq: 13 Nov 2023 15:14

Instrument :

MSVOA_U

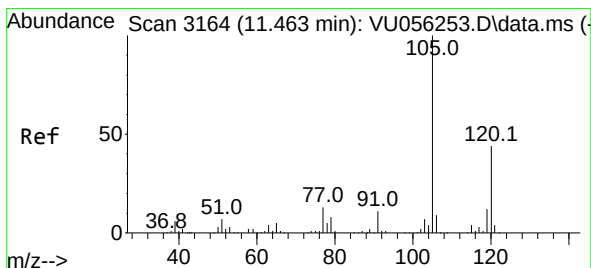
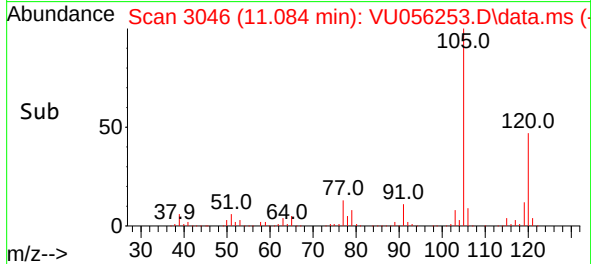
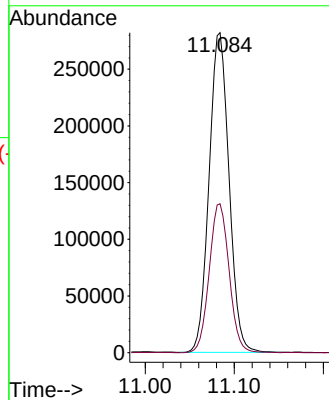
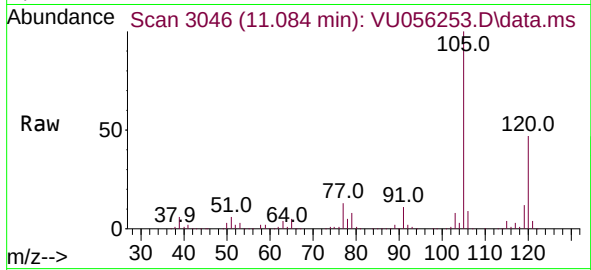
ClientSampleId :

Tgt Ion:105 Resp: 437886

Ion Ratio Lower Upper

105 100

120 46.5 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 5.486 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. 0.000 min

Lab File: VU056253.D

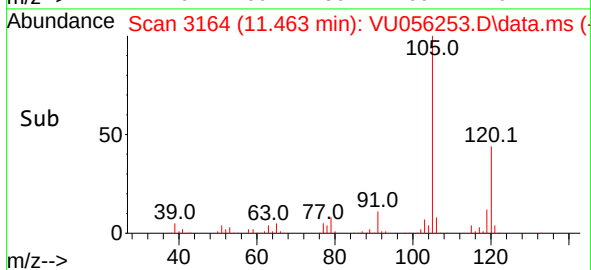
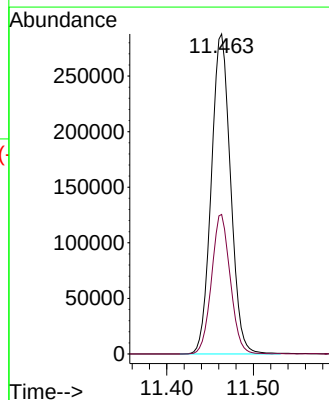
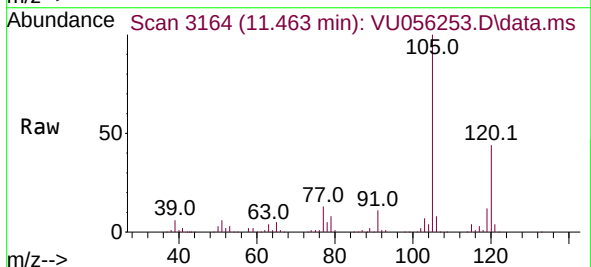
Acq: 13 Nov 2023 15:14

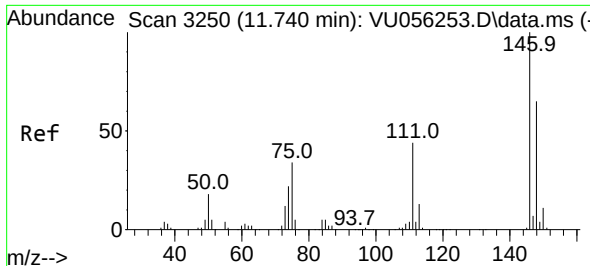
Tgt Ion:105 Resp: 444238

Ion Ratio Lower Upper

105 100

120 42.5 34.0 51.0

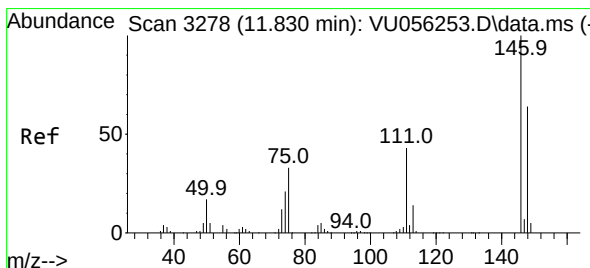
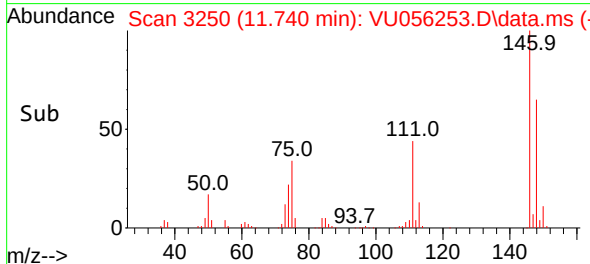
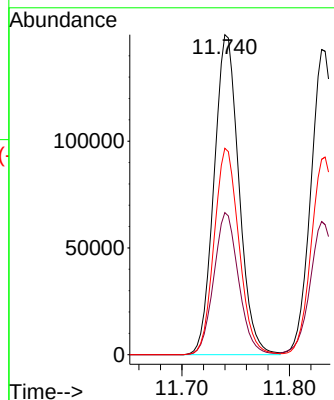
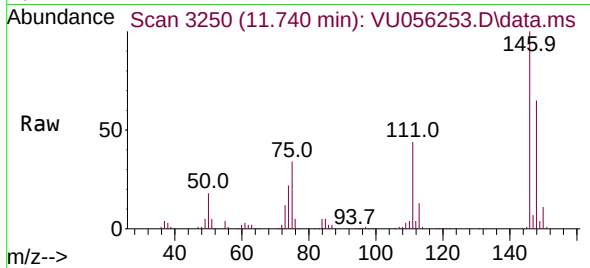




#64
1,3-Dichlorobenzene
Concen: 5.311 ug/L
RT: 11.740 min Scan# 3250
Delta R.T. 0.000 min
Lab File: VU056253.D
Acq: 13 Nov 2023 15:14

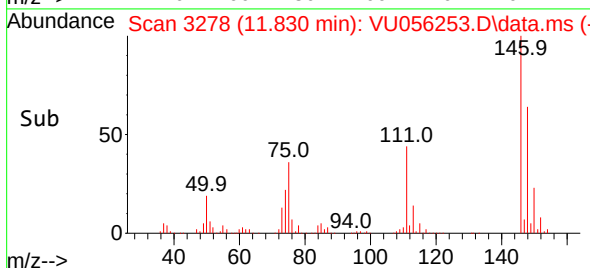
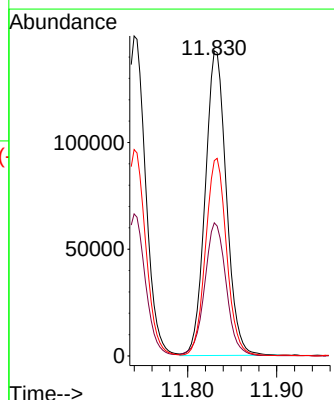
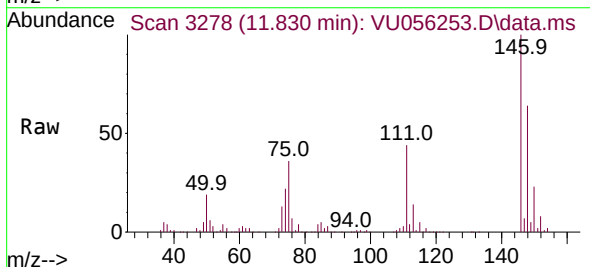
Instrument :
MSVOA_U
ClientSampleId :

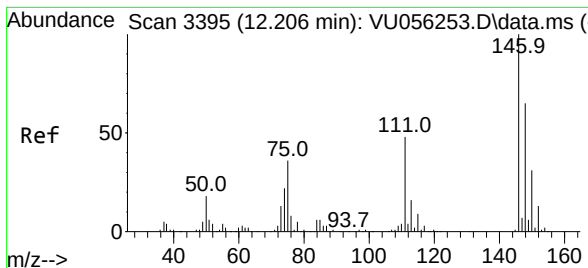
Tgt Ion:146 Resp: 241400
Ion Ratio Lower Upper
146 100
111 44.4 31.1 57.7
148 64.5 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 5.157 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. 0.000 min
Lab File: VU056253.D
Acq: 13 Nov 2023 15:14

Tgt Ion:146 Resp: 235106
Ion Ratio Lower Upper
146 100
111 43.6 30.5 56.7
148 64.0 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.287 ug/L

RT: 12.206 min Scan# 3395

Delta R.T. 0.000 min

Lab File: VU056253.D

Acq: 13 Nov 2023 15:14

Instrument :

MSVOA_U

ClientSampleId :

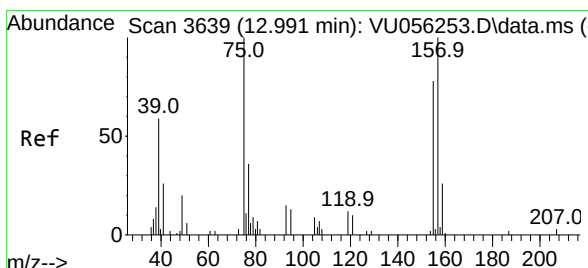
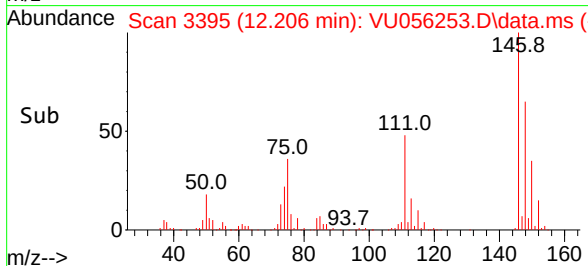
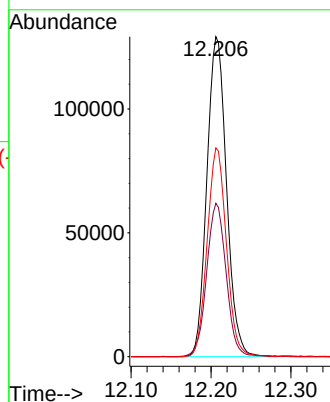
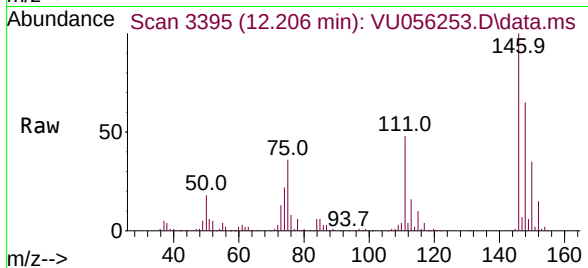
Tgt Ion:146 Resp: 220455

Ion Ratio Lower Upper

146 100

111 47.9 38.3 57.5

148 65.3 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.176 ug/L

RT: 12.991 min Scan# 3639

Delta R.T. 0.000 min

Lab File: VU056253.D

Acq: 13 Nov 2023 15:14

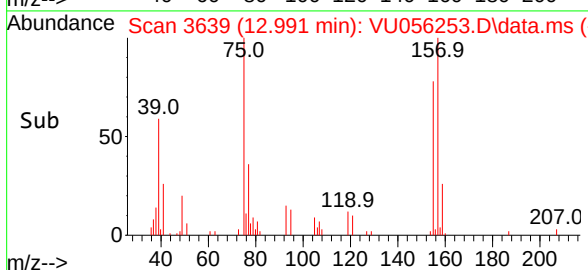
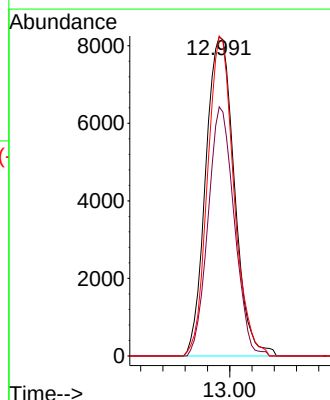
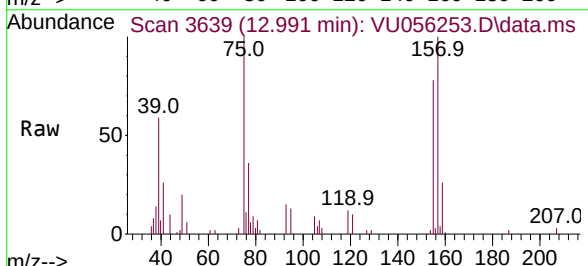
Tgt Ion: 75 Resp: 14696

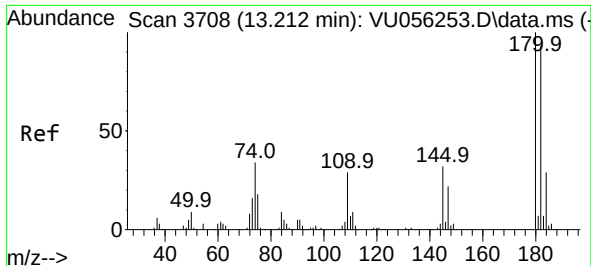
Ion Ratio Lower Upper

75 100

155 78.0 62.4 93.6

157 100.2 80.2 120.2





#69

1,3,5-Trichlorobenzene

Concen: 5.250 ug/L

RT: 13.212 min Scan# 31

Delta R.T. 0.000 min

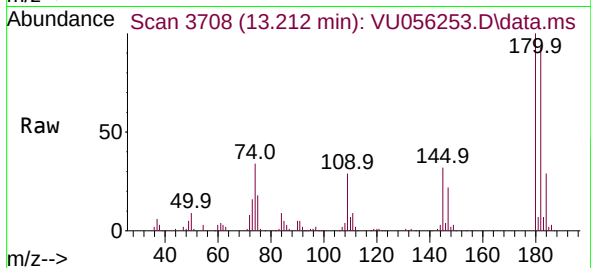
Lab File: VU056253.D

Acq: 13 Nov 2023 15:14

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:180 Resp: 179640

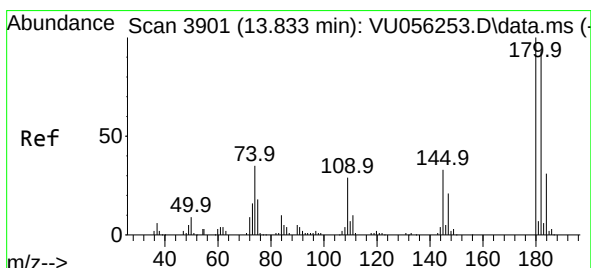
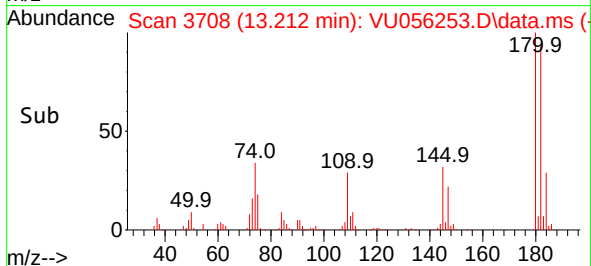
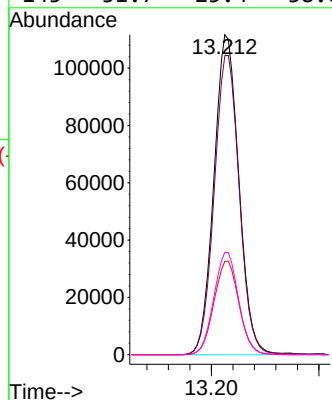
Ion Ratio Lower Upper

180 100

182 93.9 75.1 112.7

184 29.4 23.5 35.3

145 31.7 25.4 38.0



#70

1,2,4-trichlorobenzene

Concen: 5.063 ug/L

RT: 13.833 min Scan# 3901

Delta R.T. 0.000 min

Lab File: VU056253.D

Acq: 13 Nov 2023 15:14

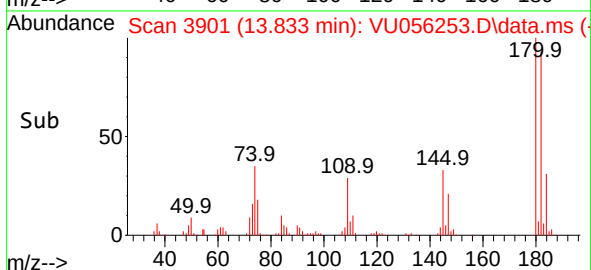
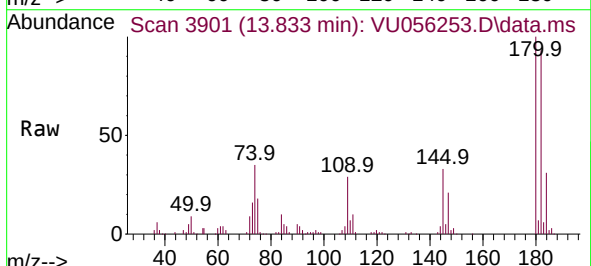
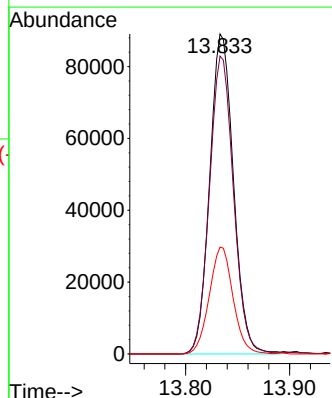
Tgt Ion:180 Resp: 141114

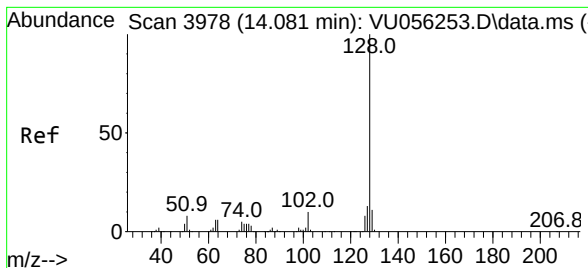
Ion Ratio Lower Upper

180 100

182 94.3 75.4 113.2

145 33.5 26.8 40.2





#71

Naphthalene

Concen: 4.991 ug/L

RT: 14.081 min Scan# 3978

Delta R.T. 0.000 min

Lab File: VU056253.D

Acq: 13 Nov 2023 15:14

Instrument :

MSVOA_U

ClientSampleId :

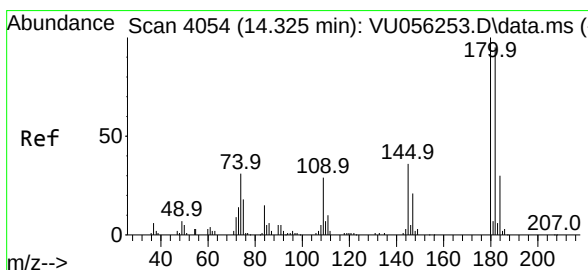
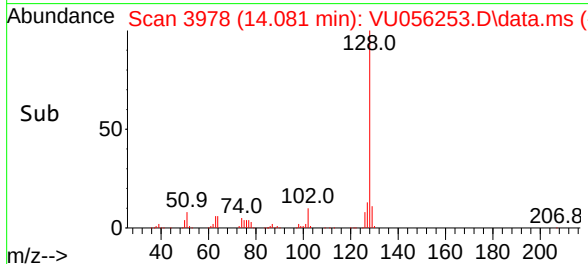
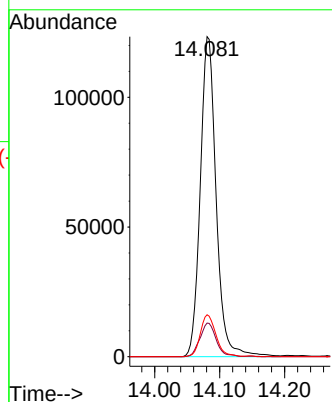
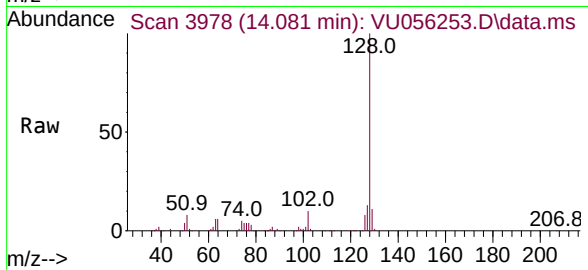
Tgt Ion:128 Resp: 210184

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

127 12.9 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 5.154 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. 0.000 min

Lab File: VU056253.D

Acq: 13 Nov 2023 15:14

Tgt Ion:180 Resp: 118344

Ion Ratio Lower Upper

180 100

182 98.2 78.6 117.8

145 36.3 29.0 43.6

