

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU121123\
 Data File : VU056750.D
 Acq On : 11 Dec 2023 22:32
 Operator : MD/SY
 Sample : 05627-06MS
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DCLC1MS

Quant Time: Dec 12 01:14:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR121123WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Tue Dec 12 01:07:35 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	254601	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	246648	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.807	152	121745	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	93925	4.304	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.000%
7) Chloroethane-d5	1.907	69	62330	3.817	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	76.400%
11) 1,1-Dichloroethene-d2	2.563	65	40677	4.356	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.200%
20) 2-Butanone-d5	4.621	46	190672	44.241	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	88.480%
24) Chloroform-d	5.055	84	184035	4.453	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.000%
26) 1,2-Dichloroethane-d4	5.695	65	85100	4.352	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.000%
32) Benzene-d6	5.721	84	343594	4.491	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.800%
36) 1,2-Dichloropropane-d6	6.685	67	104529	4.365	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.400%
41) Toluene-d8	7.894	98	311574	4.557	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.200%
43) trans-1,3-Dichloroprop...	8.177	79	34242	3.687	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.800%
46) 2-Hexanone-d5	8.627	63	155976	44.535	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.080%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	79054	4.563	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.200%
66) 1,2-Dichlorobenzene-d4	12.187	152	102639	4.289	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.800%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.380	85	64880	2.432	ug/L	99
3) Chloromethane	1.515	50	73602	2.806	ug/L	100
5) Vinyl chloride	1.602	62	74310	2.853	ug/L	91
6) Bromomethane	1.853	94	40138	2.613	ug/L	94
8) Chloroethane	1.930	64	47011	3.081	ug/L	99
9) Trichlorofluoromethane	2.136	101	132268	3.603	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	82223	3.651	ug/L	99
12) 1,1-Dichloroethene	2.576	96	70110	3.392	ug/L	96
13) Acetone	2.631	43	150177	57.178	ug/L	98
14) Carbon disulfide	2.788	76	142365	1.985	ug/L	99
15) Methyl Acetate	2.952	43	15258	2.134	ug/L	98
16) Methylene chloride	3.039	84	86792	3.854	ug/L	98
17) Methyl tert-butyl Ether	3.354	73	220259	4.806	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	71850	3.428	ug/L	97
19) 1,1-Dichloroethane	3.862	63	169809	4.212	ug/L	98
21) 2-Butanone	4.698	43	208466	47.066	ug/L	99
22) cis-1,2-Dichloroethene	4.660	96	90549	3.971	ug/L	99
23) Bromochloromethane	4.972	128	38191	4.001	ug/L	98
25) Chloroform	5.081	83	326630	7.734	ug/L	99

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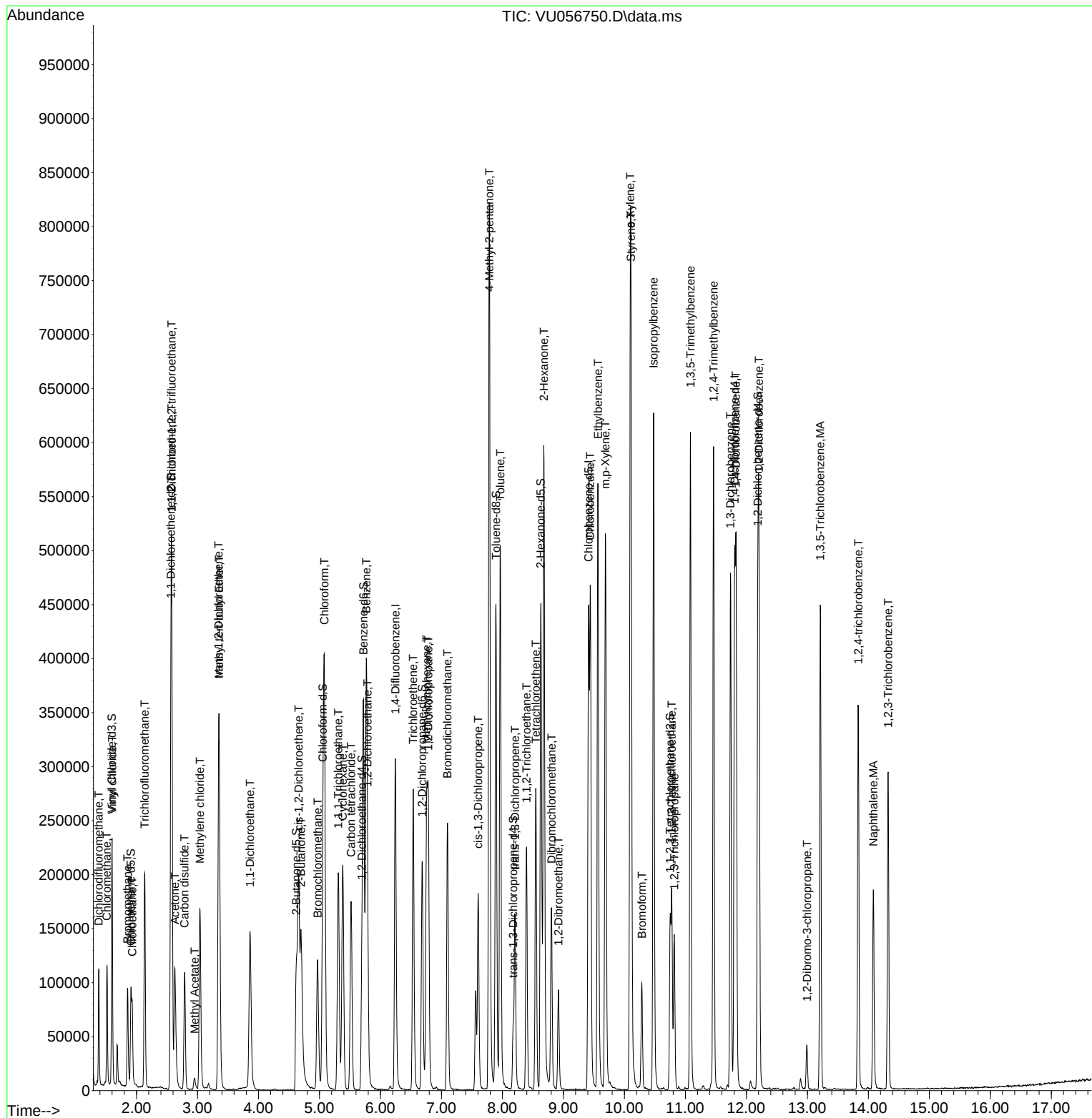
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	102030	4.085	ug/L	100
29) 1,1,1-Trichloroethane	5.309	97	148675	4.170	ug/L	99
30) Cyclohexane	5.383	56	101173	3.024	ug/L	98
31) Carbon tetrachloride	5.518	117	123898	3.998	ug/L	100
33) Benzene	5.769	78	350655	4.045	ug/L	100
34) Trichloroethene	6.537	95	100770	4.238	ug/L	95
35) Methylcyclohexane	6.759	83	97386	2.775	ug/L	99
37) 1,2-Dichloropropane	6.785	63	99926	4.506	ug/L	99
38) Bromodichloromethane	7.100	83	166282	5.880	ug/L	100
39) cis-1,3-Dichloropropene	7.602	75	114403	3.540	ug/L	99
40) 4-Methyl-2-pentanone	7.785	43	525714	49.930	ug/L	99
42) Toluene	7.965	91	373484	4.164	ug/L	100
44) trans-1,3-Dichloropropene	8.206	75	98518	3.719	ug/L	98
45) 1,1,2-Trichloroethane	8.396	97	68900	4.596	ug/L	95
47) Tetrachloroethene	8.547	164	59576	3.580	ug/L	98
48) 2-Hexanone	8.679	43	374464	49.935	ug/L	98
49) Dibromochloromethane	8.804	129	86021	4.992	ug/L	99
50) 1,2-Dibromoethane	8.920	107	62991	4.528	ug/L	96
51) Chlorobenzene	9.441	112	246647	4.315	ug/L	99
52) Ethylbenzene	9.566	91	409818	4.142	ug/L	99
53) m,p-Xylene	9.688	106	151680	4.115	ug/L	96
54) o-Xylene	10.097	106	152118	4.332	ug/L	99
55) Styrene	10.110	104	258893	4.490	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	88149	4.867	ug/L	97
59) Bromoform	10.287	173	44001	4.426	ug/L	97
60) Isopropylbenzene	10.479	105	409058	4.253	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	62275	4.764	ug/L	99
62) 1,3,5-Trimethylbenzene	11.084	105	322912	4.108	ug/L	98
63) 1,2,4-Trimethylbenzene	11.463	105	331756	4.249	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	192942	4.240	ug/L	97
65) 1,4-Dichlorobenzene	11.830	146	187312	4.181	ug/L	97
67) 1,2-Dichlorobenzene	12.206	146	180063	4.344	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.994	75	12316	4.719	ug/L	96
69) 1,3,5-Trichlorobenzene	13.212	180	135779	3.949	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	106057	3.895	ug/L	99
71) Naphthalene	14.084	128	151348	3.799	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	88216	3.817	ug/L	97

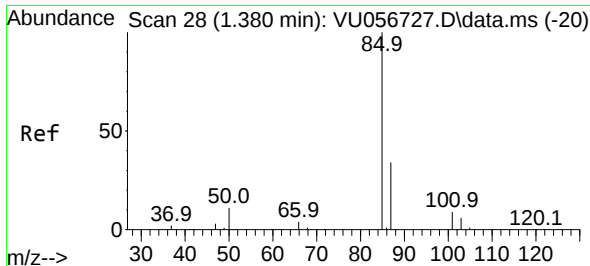
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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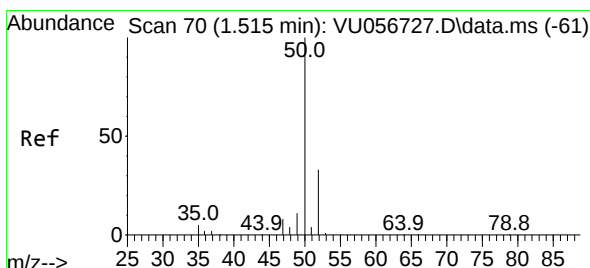
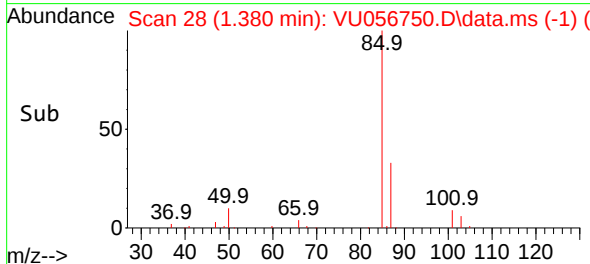
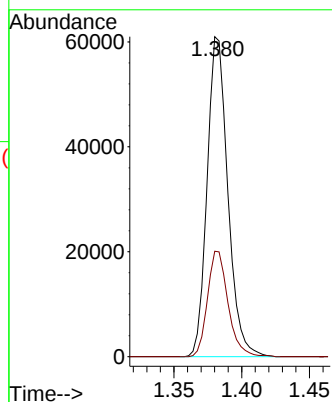
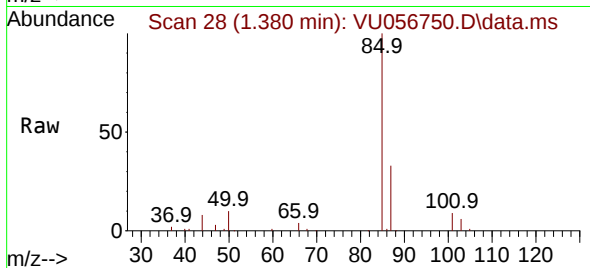




#2
 Dichlorodifluoromethane
 Concen: 2.432 ug/L
 RT: 1.380 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VU056750.D
 Acq: 11 Dec 2023 22:32

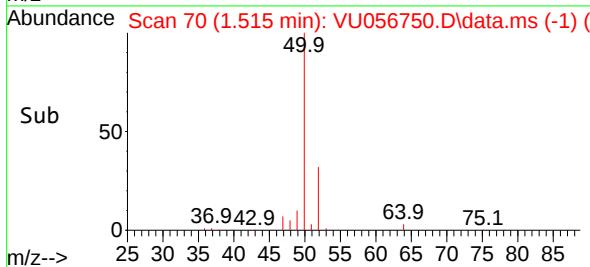
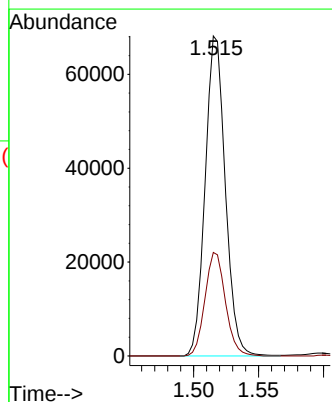
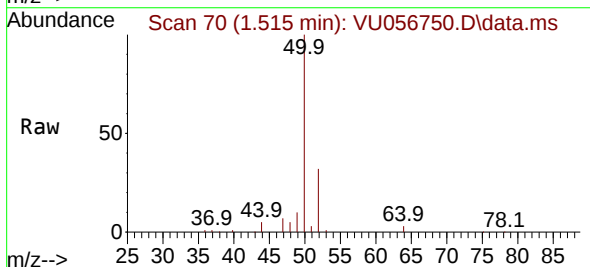
Instrument :
 MSVOA_U
 ClientSampleId :
 DCLC1MS

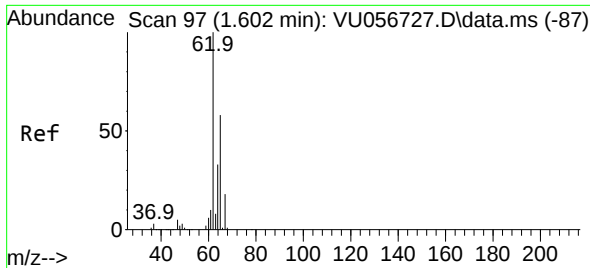
Tgt Ion: 85 Resp: 64880
 Ion Ratio Lower Upper
 85 100
 87 32.8 26.8 40.2



#3
 Chloromethane
 Concen: 2.806 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.000 min
 Lab File: VU056750.D
 Acq: 11 Dec 2023 22:32

Tgt Ion: 50 Resp: 73602
 Ion Ratio Lower Upper
 50 100
 52 32.4 22.5 41.7

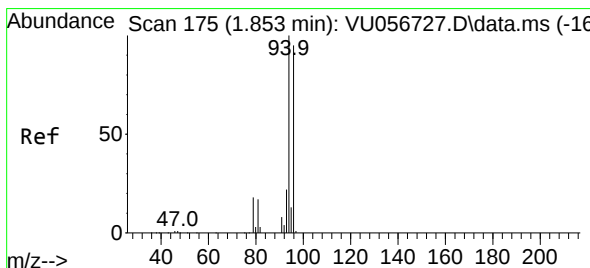
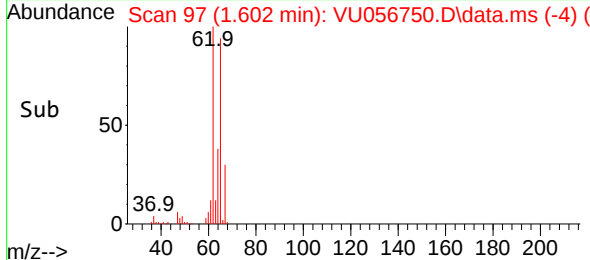
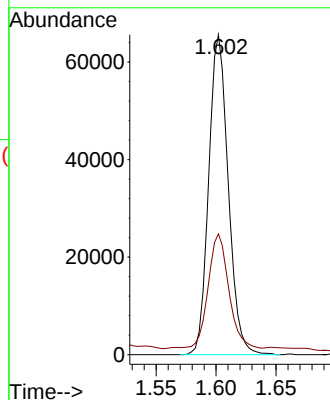
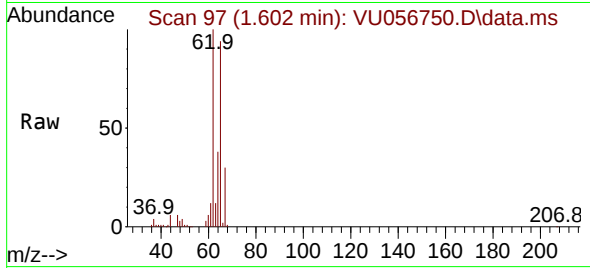




#5
 Vinyl chloride
 Concen: 2.853 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU056750.D
 Acq: 11 Dec 2023 22:32

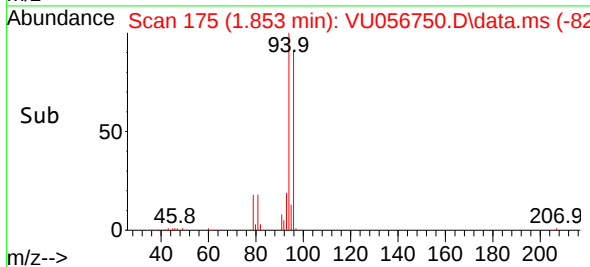
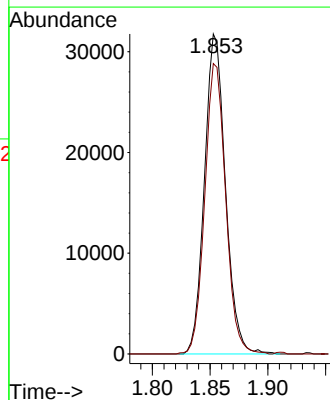
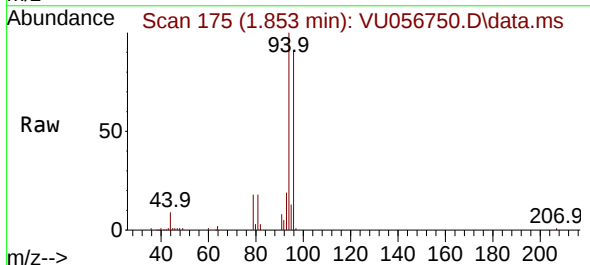
Instrument :
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 ClientSampleId :
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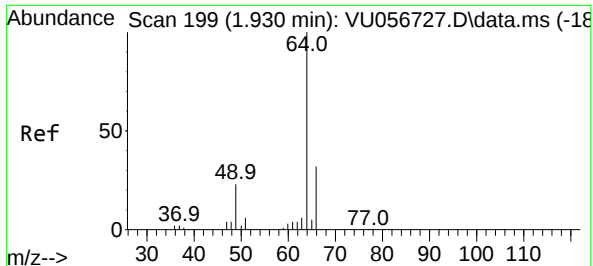
Tgt Ion: 62 Resp: 74310
 Ion Ratio Lower Upper
 62 100
 64 37.7 22.8 42.4



#6
 Bromomethane
 Concen: 2.613 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.000 min
 Lab File: VU056750.D
 Acq: 11 Dec 2023 22:32

Tgt Ion: 94 Resp: 40138
 Ion Ratio Lower Upper
 94 100
 96 90.7 67.8 125.8

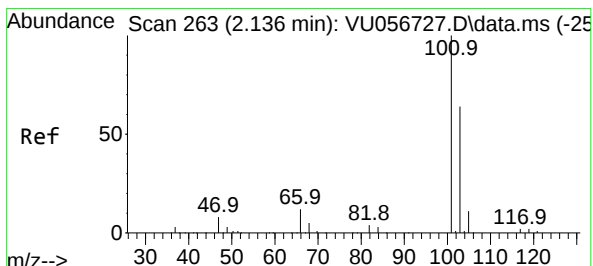
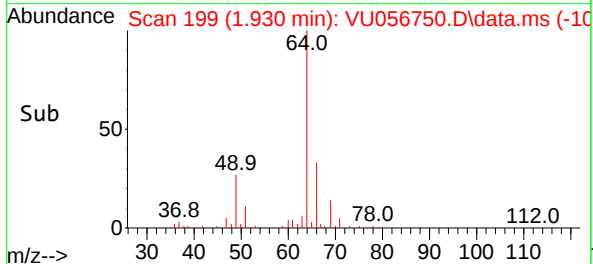
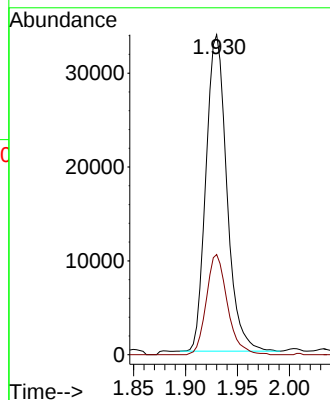
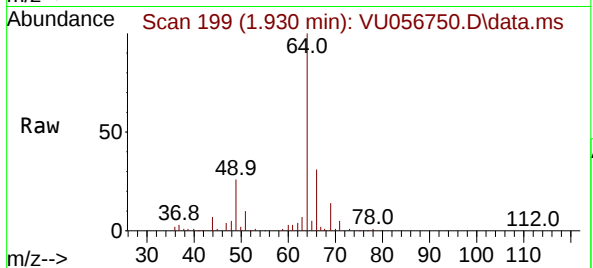




#8
Chloroethane
Concen: 3.081 ug/L
RT: 1.930 min Scan# 199
Delta R.T. -0.000 min
Lab File: VU056750.D
Acq: 11 Dec 2023 22:32

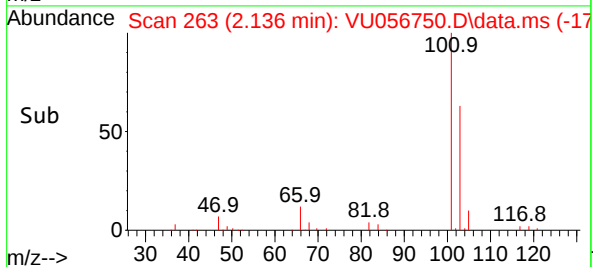
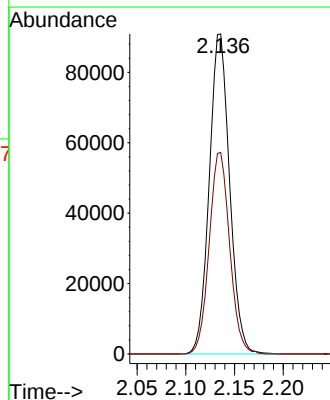
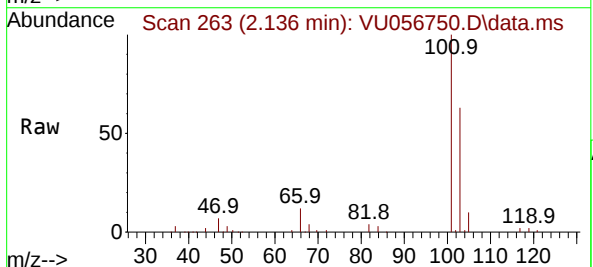
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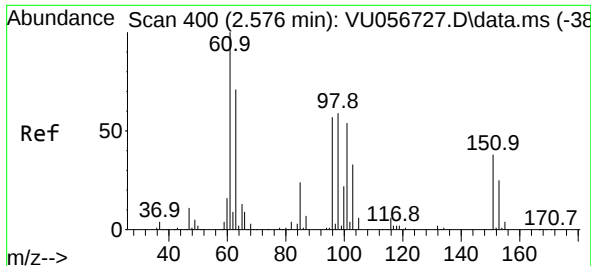
Tgt Ion: 64 Resp: 47011
Ion Ratio Lower Upper
64 100
66 31.3 21.4 39.8



#9
Trichlorofluoromethane
Concen: 3.603 ug/L
RT: 2.136 min Scan# 263
Delta R.T. -0.000 min
Lab File: VU056750.D
Acq: 11 Dec 2023 22:32

Tgt Ion:101 Resp: 132268
Ion Ratio Lower Upper
101 100
103 63.2 51.4 77.2





#10

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

Concen: 3.651 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU056750.D

Acq: 11 Dec 2023 22:32

Instrument :

MSVOA_U

ClientSampleId :

DCLC1MS

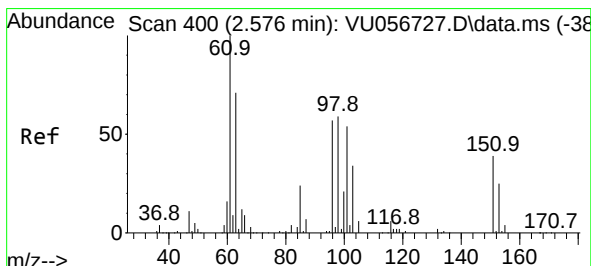
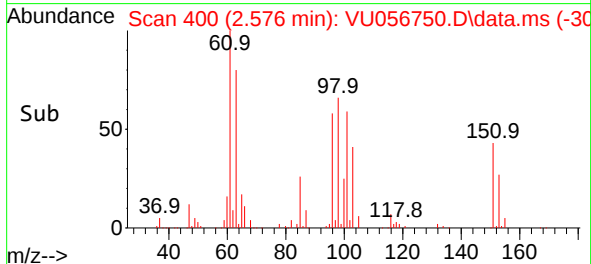
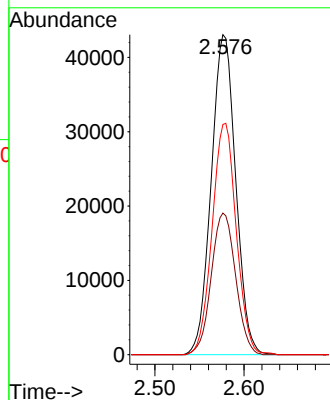
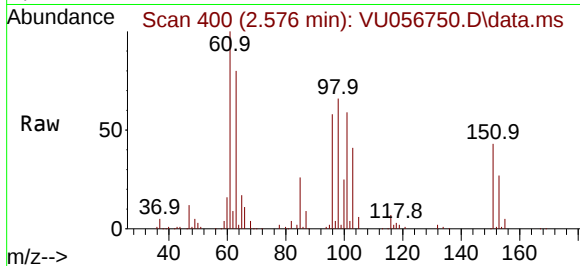
Tgt Ion:101 Resp: 82223

Ion Ratio Lower Upper

101 100

85 44.1 35.2 52.8

151 71.4 56.0 84.0



#12

1,1-Dichloroethene

Concen: 3.392 ug/L

RT: 2.576 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU056750.D

Acq: 11 Dec 2023 22:32

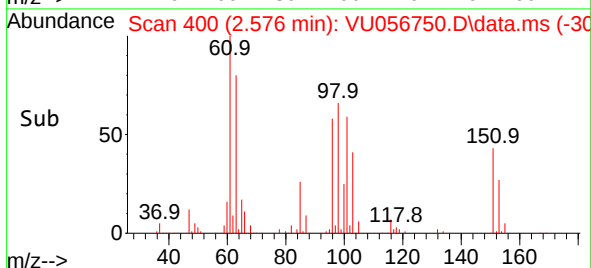
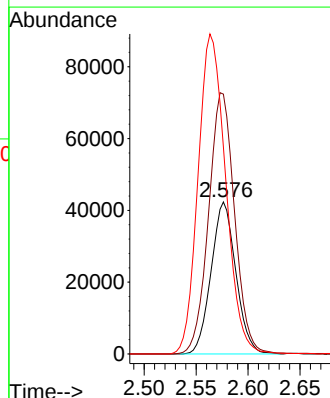
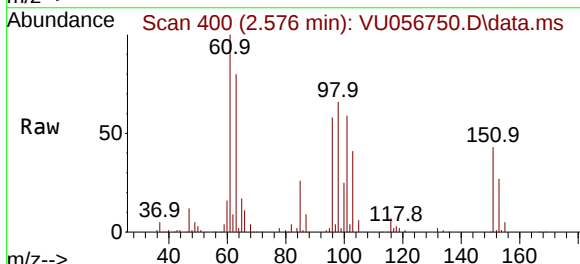
Tgt Ion: 96 Resp: 70110

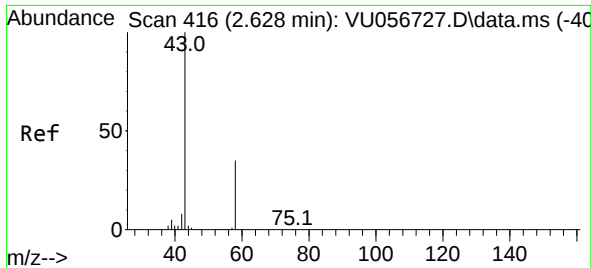
Ion Ratio Lower Upper

96 100

61 170.9 119.0 221.0

63 136.3 88.7 164.7





#13

Acetone

Concen: 57.178 ug/L

RT: 2.631 min Scan# 416

Delta R.T. 0.003 min

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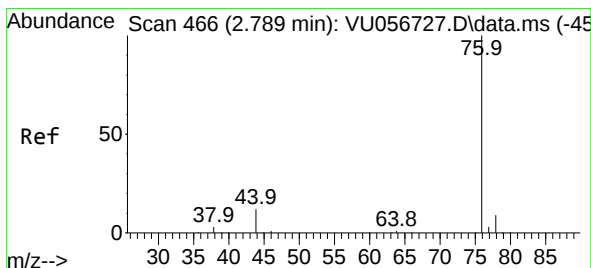
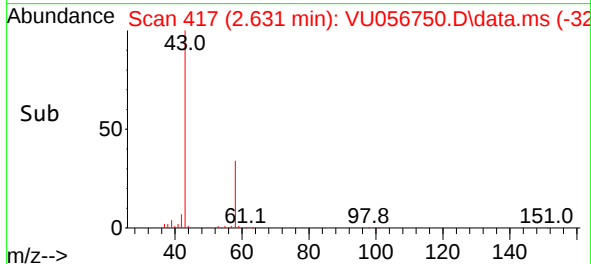
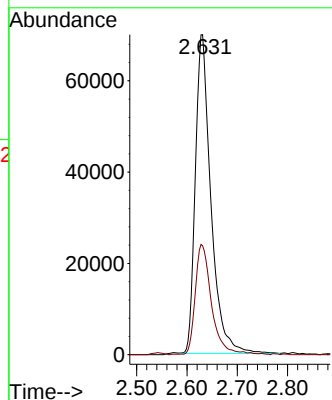
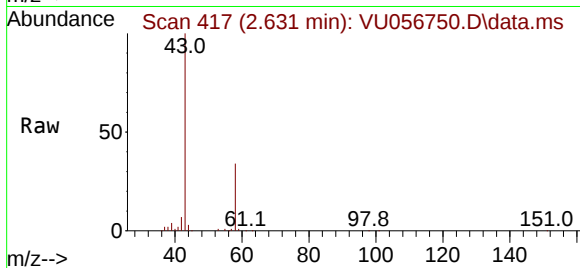
DCLC1MS

Tgt Ion: 43 Resp: 150177

Ion Ratio Lower Upper

43 100

58 35.0 0.0 72.6



#14

Carbon disulfide

Concen: 1.985 ug/L

RT: 2.788 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU056750.D

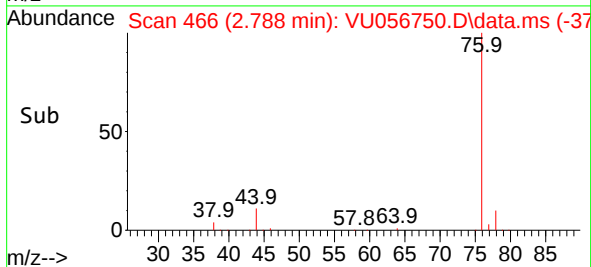
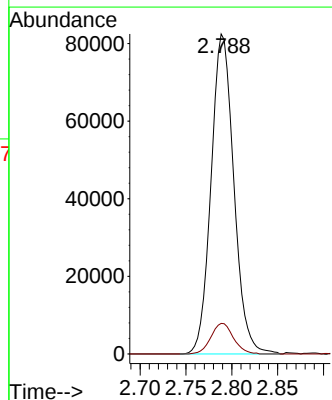
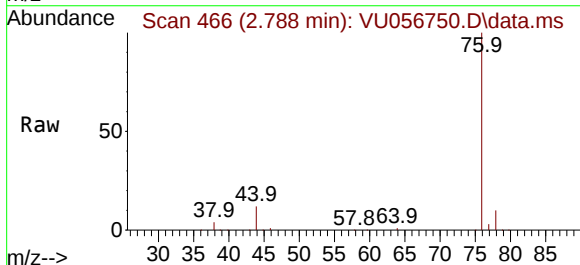
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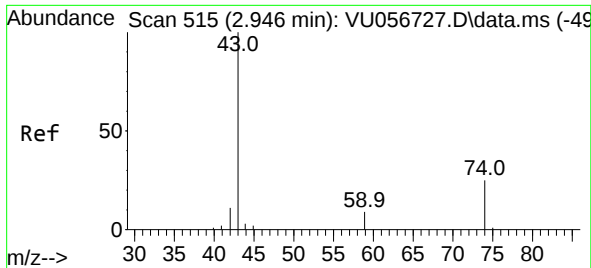
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Ion Ratio Lower Upper

76 100

78 9.6 7.3 10.9

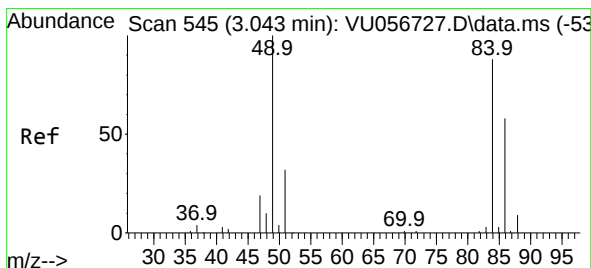
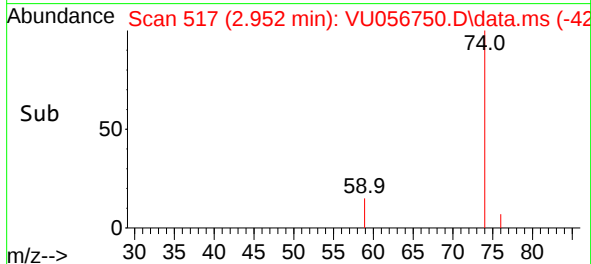
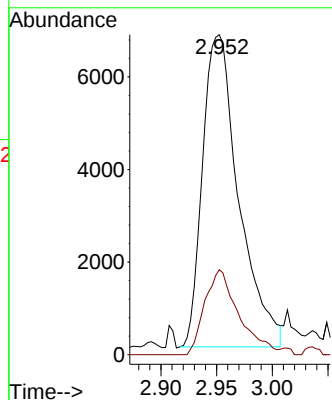
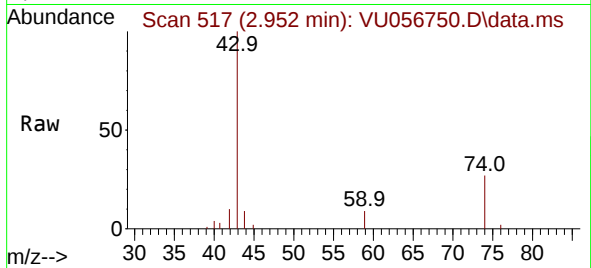




#15
Methyl Acetate
Concen: 2.134 ug/L
RT: 2.952 min Scan# 515
Delta R.T. 0.006 min
Lab File: VU056750.D
Acq: 11 Dec 2023 22:32

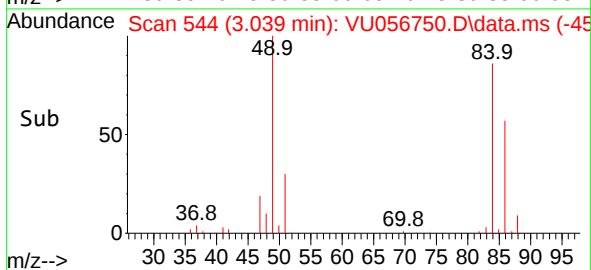
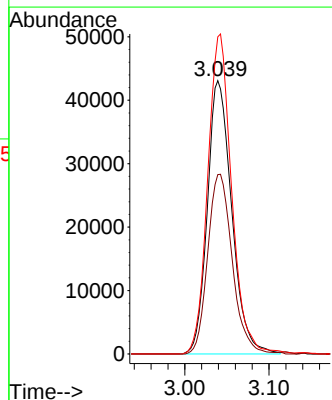
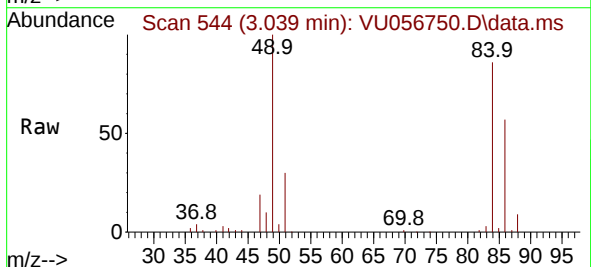
Instrument :
MSVOA_U
ClientSampleId :
DCLC1MS

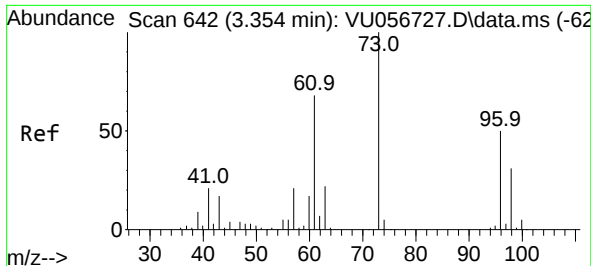
Tgt Ion: 43 Resp: 15258
Ion Ratio Lower Upper
43 100
74 25.5 21.0 31.6



#16
Methylene chloride
Concen: 3.854 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.003 min
Lab File: VU056750.D
Acq: 11 Dec 2023 22:32

Tgt Ion: 84 Resp: 86792
Ion Ratio Lower Upper
84 100
86 65.6 43.6 81.0
49 116.0 80.6 149.6





#17

Methyl tert-butyl Ether

Concen: 4.806 ug/L

RT: 3.354 min Scan# 642

Delta R.T. -0.000 min

Lab File: VU056750.D

Acq: 11 Dec 2023 22:32

Instrument :

MSVOA_U

ClientSampleId :

DCLC1MS

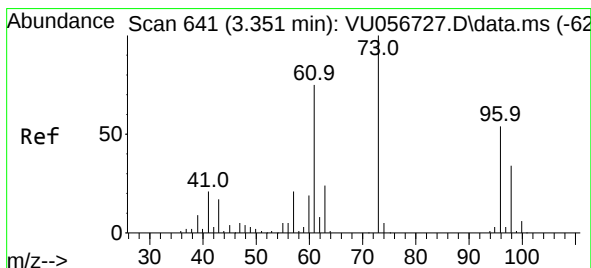
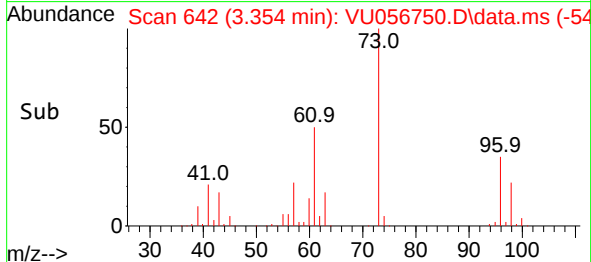
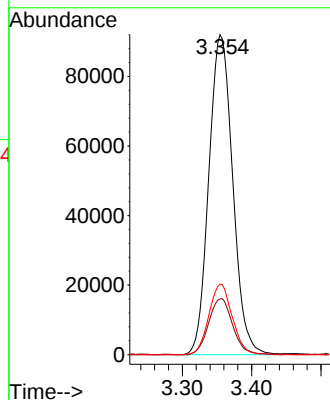
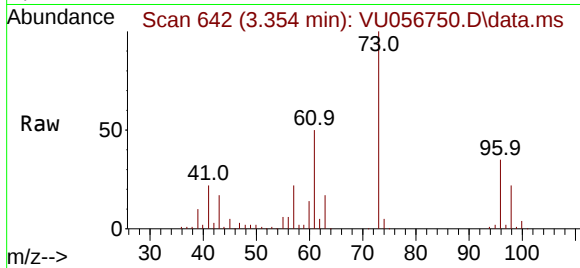
Tgt Ion: 73 Resp: 220259

Ion Ratio Lower Upper

73 100

43 17.7 14.4 21.6

57 21.5 17.8 26.8



#18

trans-1,2-Dichloroethene

Concen: 3.428 ug/L

RT: 3.348 min Scan# 640

Delta R.T. -0.003 min

Lab File: VU056750.D

Acq: 11 Dec 2023 22:32

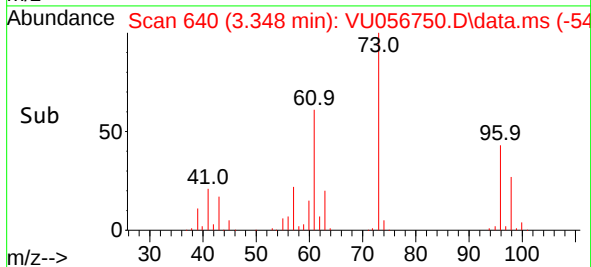
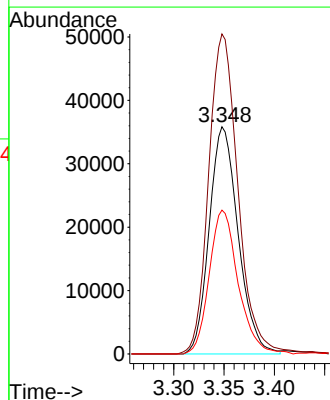
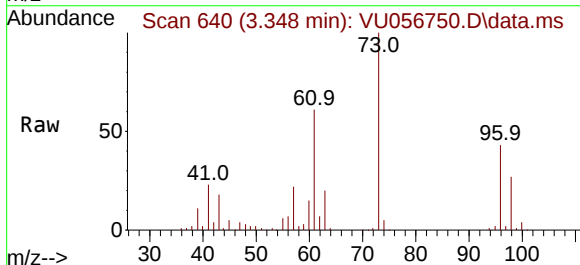
Tgt Ion: 96 Resp: 71850

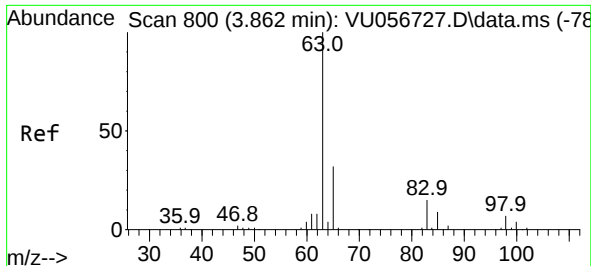
Ion Ratio Lower Upper

96 100

61 140.9 101.8 189.0

98 63.3 43.0 79.8





#19

1,1-Dichloroethane

Concen: 4.212 ug/L

RT: 3.862 min Scan# 80

Delta R.T. -0.000 min

Lab File: VU056750.D

Acq: 11 Dec 2023 22:32

Instrument :

MSVOA_U

ClientSampleId :

DCLC1MS

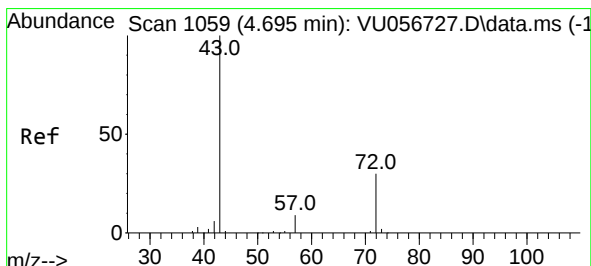
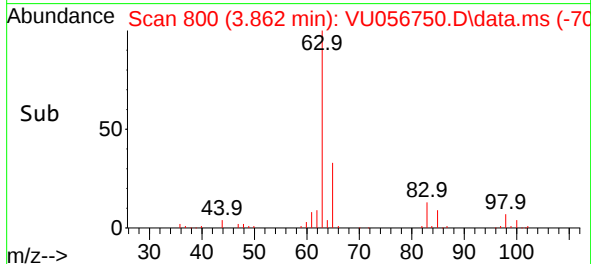
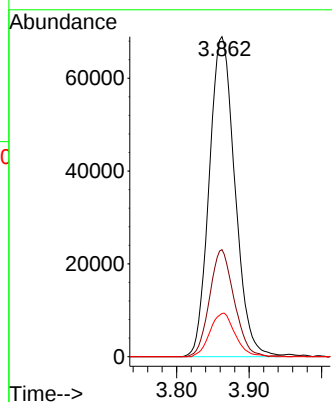
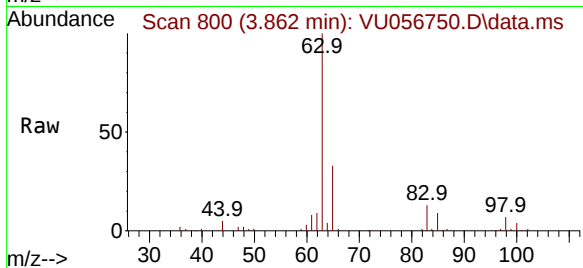
Tgt Ion: 63 Resp: 169809

Ion Ratio Lower Upper

63 100

65 33.4 22.9 42.5

83 13.5 10.1 18.9



#21

2-Butanone

Concen: 47.066 ug/L

RT: 4.698 min Scan# 1060

Delta R.T. 0.003 min

Lab File: VU056750.D

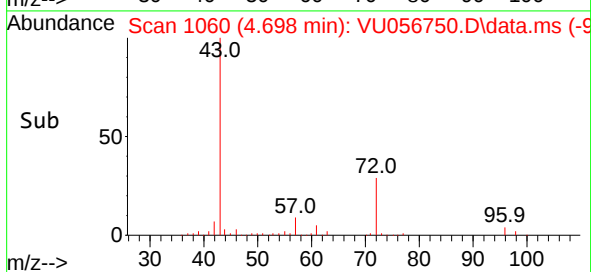
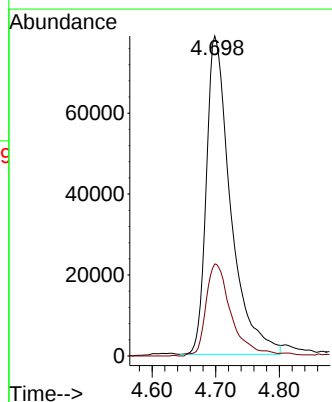
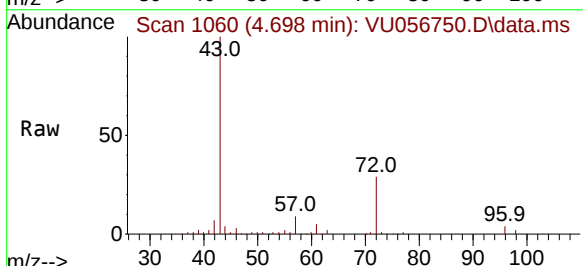
Acq: 11 Dec 2023 22:32

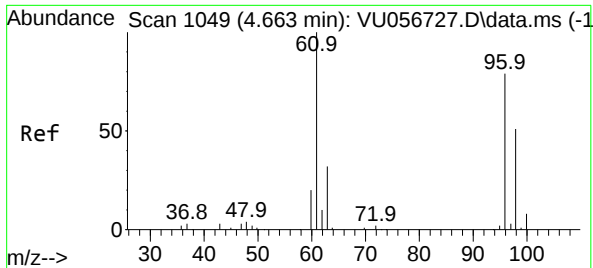
Tgt Ion: 43 Resp: 208466

Ion Ratio Lower Upper

43 100

72 30.0 14.6 43.8

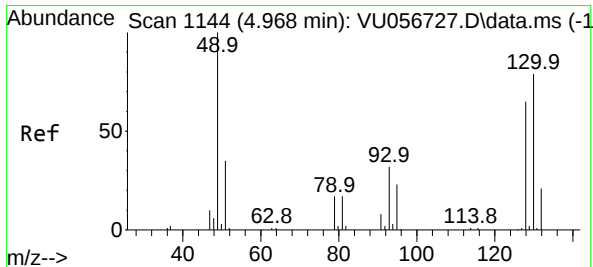
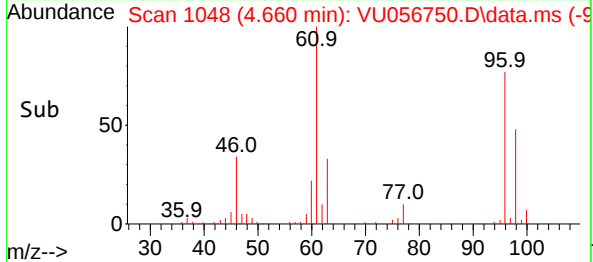
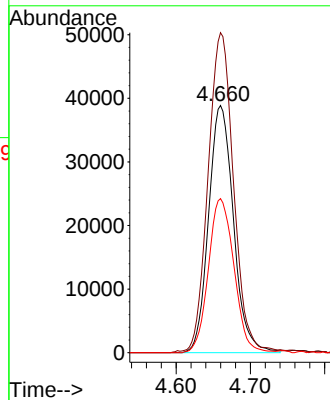
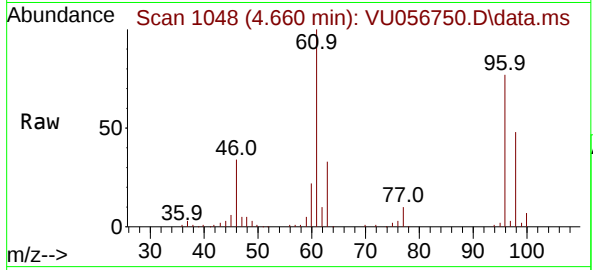




#22
 cis-1,2-Dichloroethene
 Concen: 3.971 ug/L
 RT: 4.660 min Scan# 1048
 Delta R.T. -0.003 min
 Lab File: VU056750.D
 Acq: 11 Dec 2023 22:32

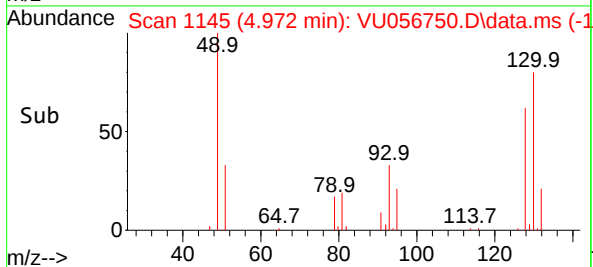
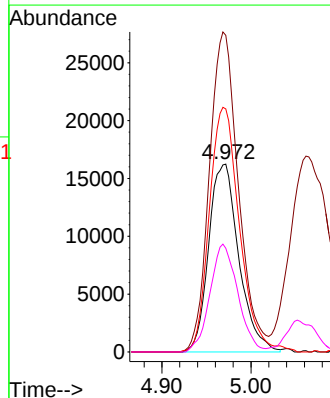
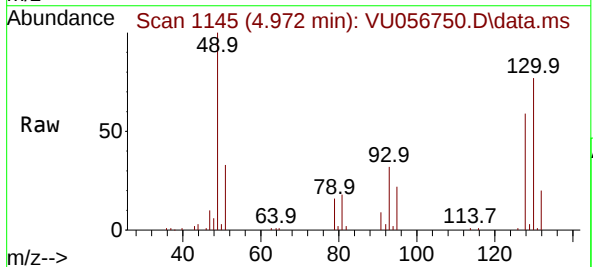
Instrument :
 MSVOA_U
 ClientSampleId :
 DCLC1MS

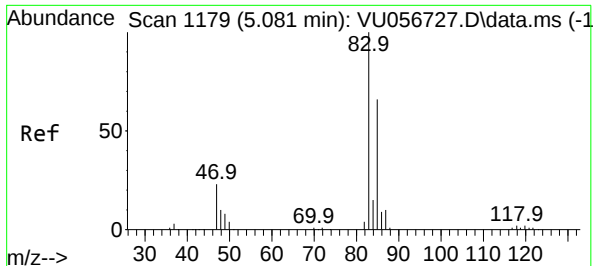
Tgt Ion: 96 Resp: 90549
 Ion Ratio Lower Upper
 96 100
 61 129.4 91.3 169.6
 98 62.3 44.2 82.0



#23
 Bromochloromethane
 Concen: 4.001 ug/L
 RT: 4.972 min Scan# 1145
 Delta R.T. 0.003 min
 Lab File: VU056750.D
 Acq: 11 Dec 2023 22:32

Tgt Ion:128 Resp: 38191
 Ion Ratio Lower Upper
 128 100
 49 168.5 113.8 211.3
 130 129.3 90.6 168.3
 51 55.1 43.7 65.5





#25

Chloroform

Concen: 7.734 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU056750.D

Acq: 11 Dec 2023 22:32

Instrument :

MSVOA_U

ClientSampleId :

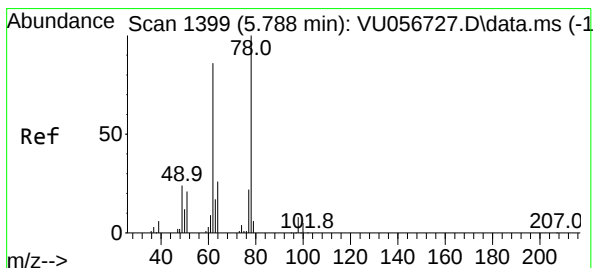
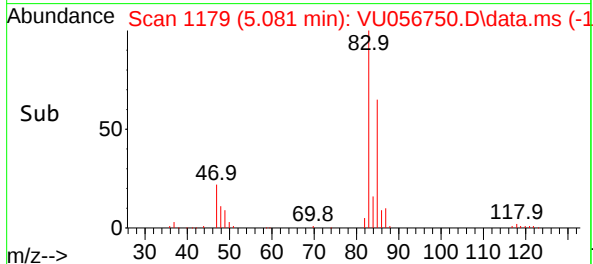
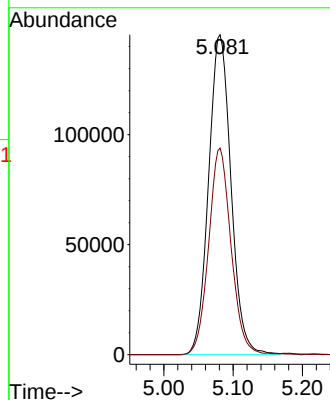
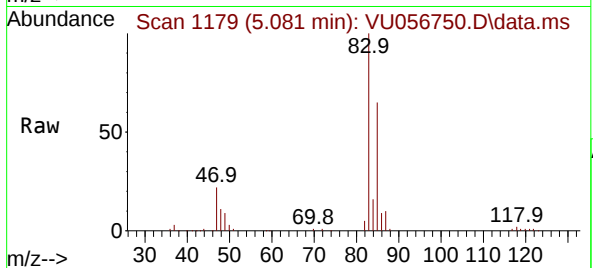
DCLC1MS

Tgt Ion: 83 Resp: 326630

Ion Ratio Lower Upper

83 100

85 64.5 45.8 85.0



#27

1,2-Dichloroethane

Concen: 4.085 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU056750.D

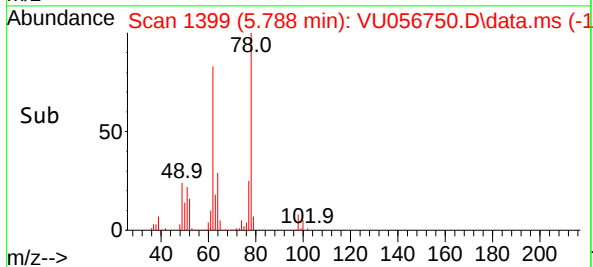
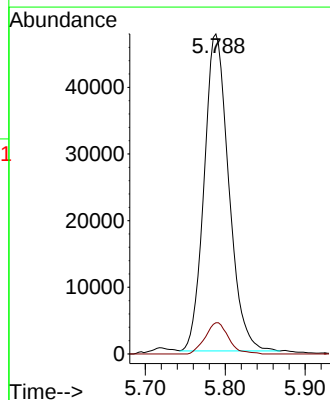
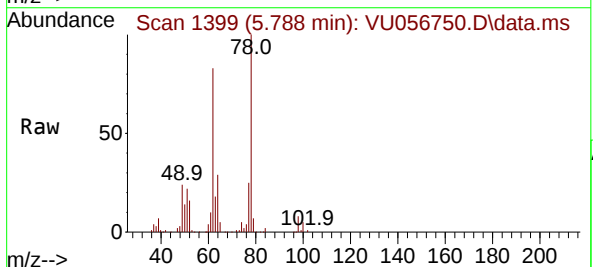
Acq: 11 Dec 2023 22:32

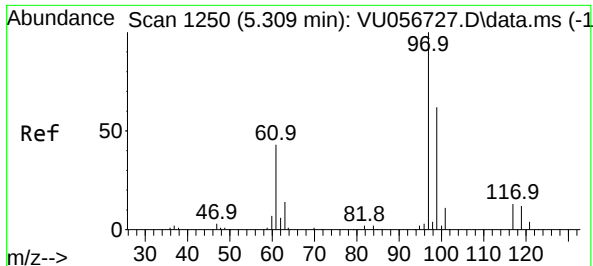
Tgt Ion: 62 Resp: 102030

Ion Ratio Lower Upper

62 100

98 9.7 7.8 11.6





#29

1,1,1-Trichloroethane

Concen: 4.170 ug/L

RT: 5.309 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056750.D

Acq: 11 Dec 2023 22:32

Instrument :

MSVOA_U

ClientSampleId :

DCLC1MS

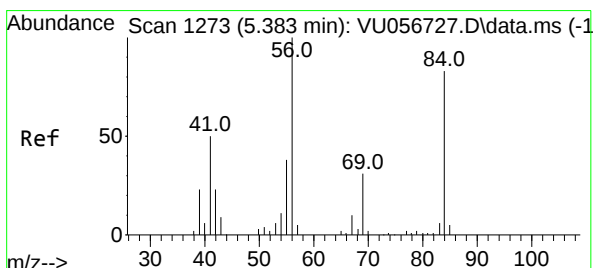
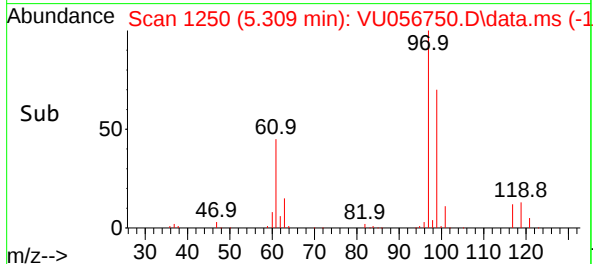
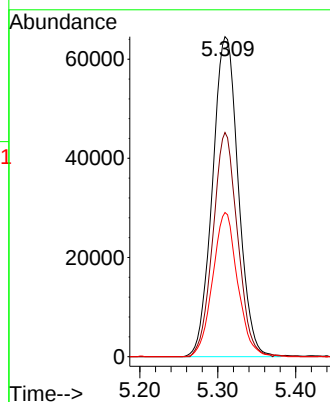
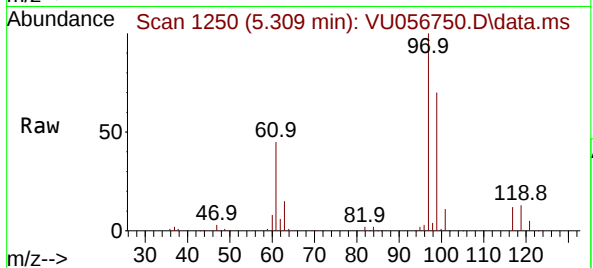
Tgt Ion: 97 Resp: 148675

Ion Ratio Lower Upper

97 100

99 66.7 52.5 78.7

61 43.6 34.2 51.2



#30

Cyclohexane

Concen: 3.024 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU056750.D

Acq: 11 Dec 2023 22:32

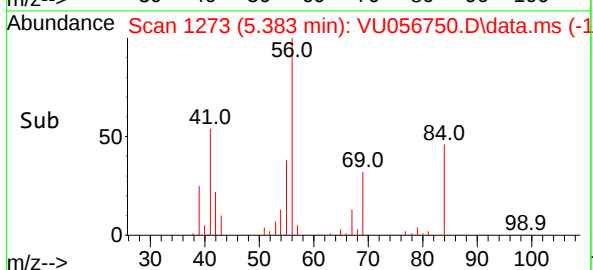
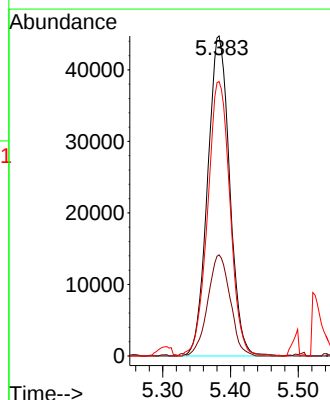
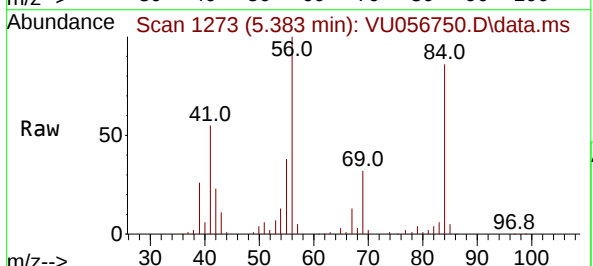
Tgt Ion: 56 Resp: 101173

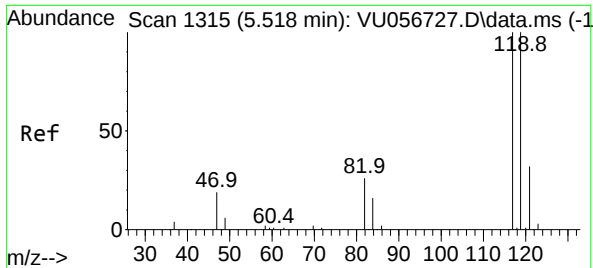
Ion Ratio Lower Upper

56 100

69 32.1 24.9 37.3

84 86.8 67.6 101.4

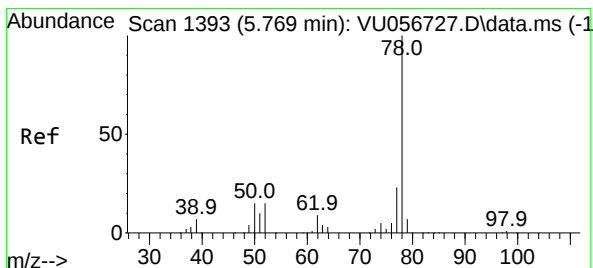
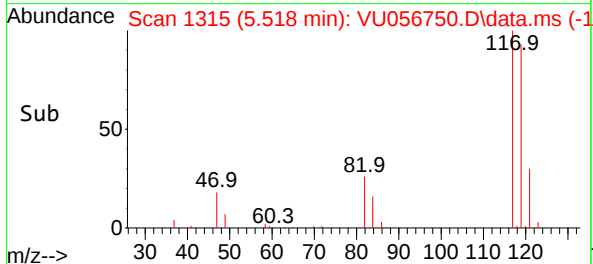
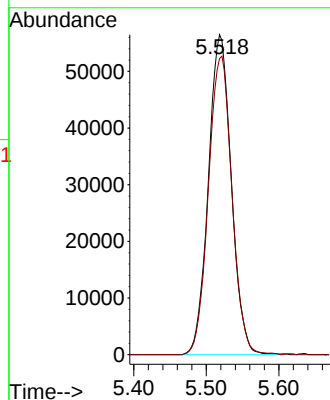
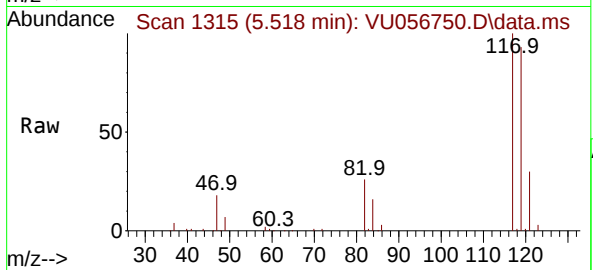




#31
Carbon tetrachloride
Concen: 3.998 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU056750.D
Acq: 11 Dec 2023 22:32

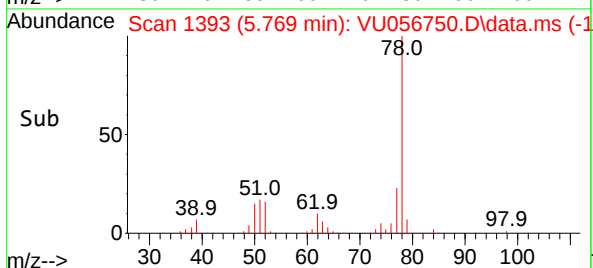
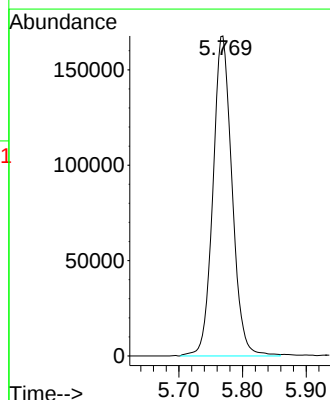
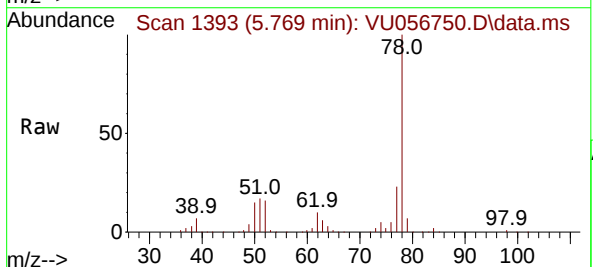
Instrument :
MSVOA_U
ClientSampleId :
DCLC1MS

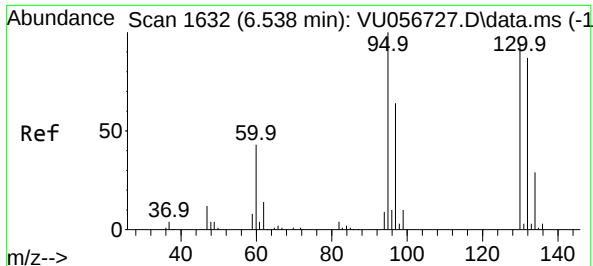
Tgt Ion:117 Resp: 123898
Ion Ratio Lower Upper
117 100
119 95.8 76.2 114.4



#33
Benzene
Concen: 4.045 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU056750.D
Acq: 11 Dec 2023 22:32

Tgt Ion: 78 Resp: 350655





#34

Trichloroethene

Concen: 4.238 ug/L

RT: 6.537 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056750.D

Acq: 11 Dec 2023 22:32

Instrument :

MSVOA_U

ClientSampleId :

DCLC1MS

Tgt Ion: 95 Resp: 100770

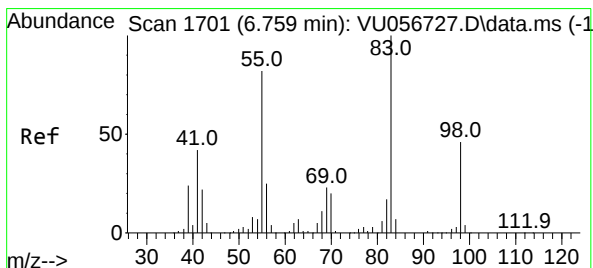
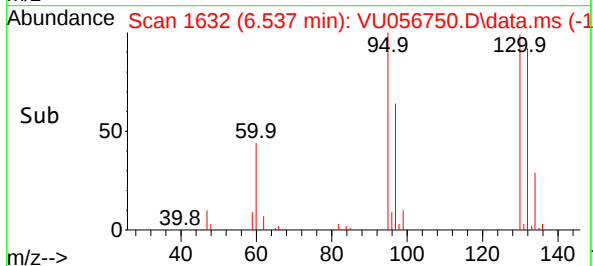
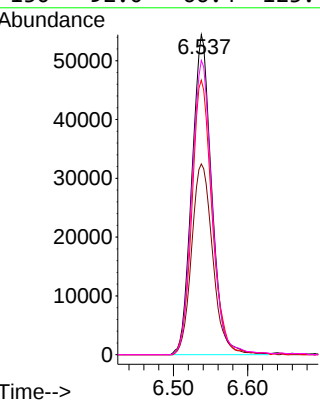
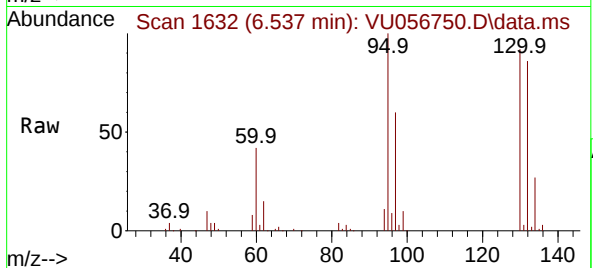
Ion Ratio Lower Upper

95 100

97 59.6 46.1 85.5

132 85.8 63.6 118.0

130 92.0 66.4 123.4



#35

Methylcyclohexane

Concen: 2.775 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VU056750.D

Acq: 11 Dec 2023 22:32

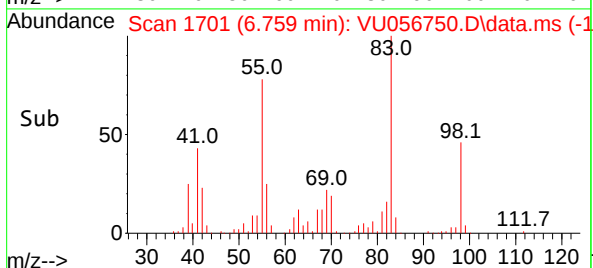
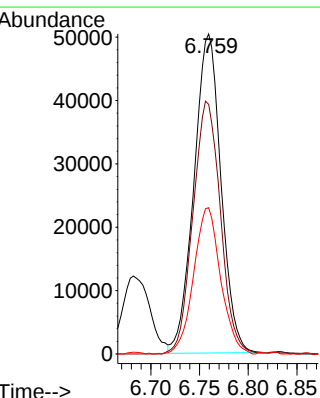
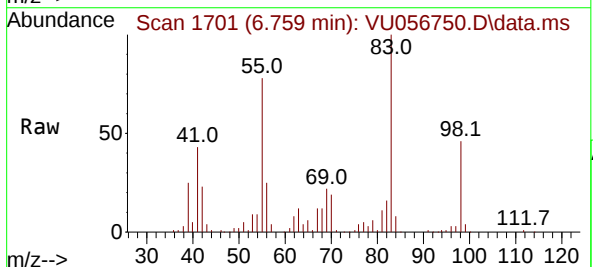
Tgt Ion: 83 Resp: 97386

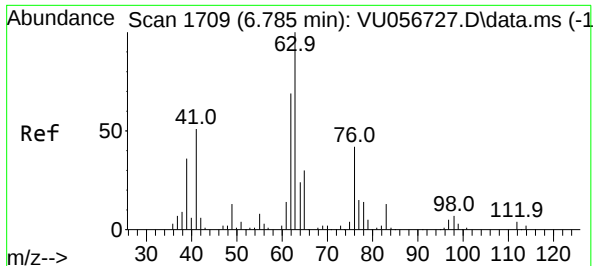
Ion Ratio Lower Upper

83 100

55 80.4 64.6 97.0

98 45.6 36.1 54.1





#37

1,2-Dichloropropane

Concen: 4.506 ug/L

RT: 6.785 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056750.D

Acq: 11 Dec 2023 22:32

Instrument :

MSVOA_U

ClientSampleId :

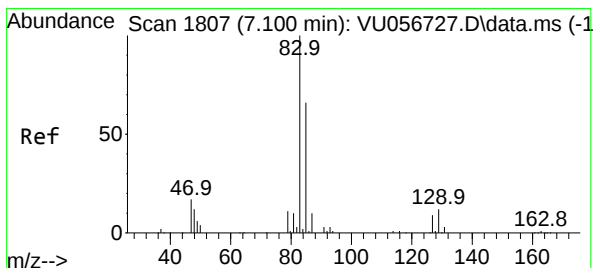
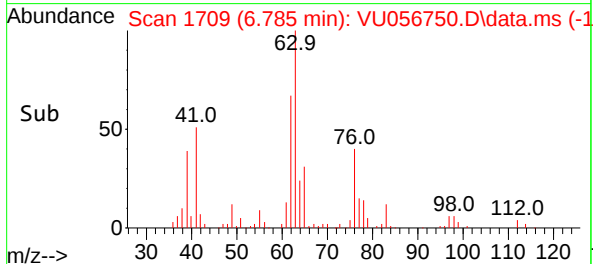
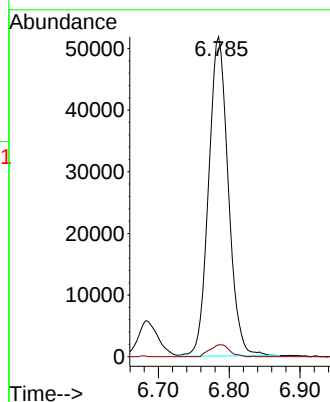
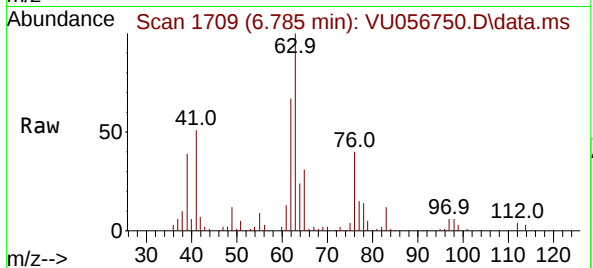
DCLC1MS

Tgt Ion: 63 Resp: 99926

Ion Ratio Lower Upper

63 100

112 3.7 3.3 4.9



#38

Bromodichloromethane

Concen: 5.880 ug/L

RT: 7.100 min Scan# 1807

Delta R.T. -0.000 min

Lab File: VU056750.D

Acq: 11 Dec 2023 22:32

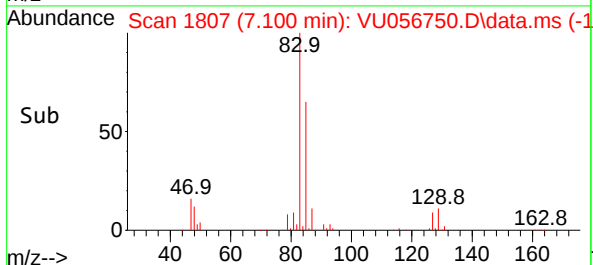
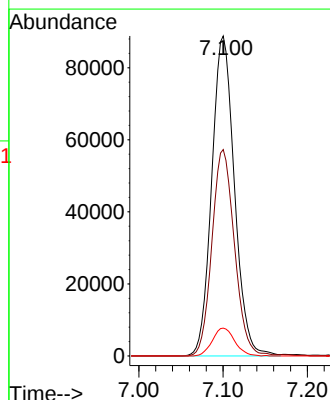
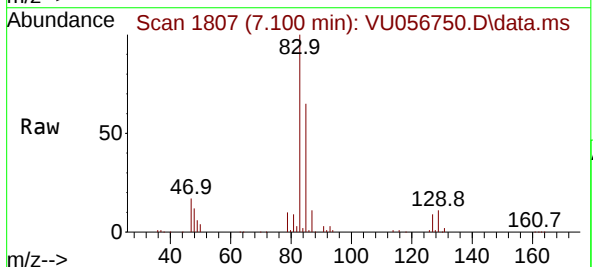
Tgt Ion: 83 Resp: 166282

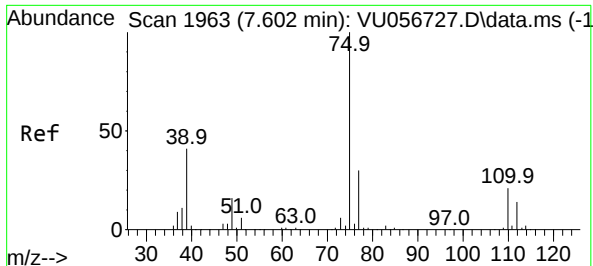
Ion Ratio Lower Upper

83 100

85 64.5 45.0 83.6

127 8.7 7.0 10.4





#39

cis-1,3-Dichloropropene

Concen: 3.540 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU056750.D

Acq: 11 Dec 2023 22:32

Instrument :

MSVOA_U

ClientSampleId :

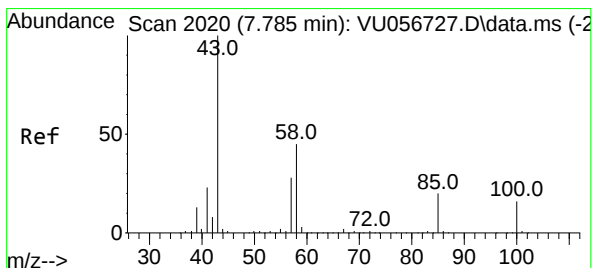
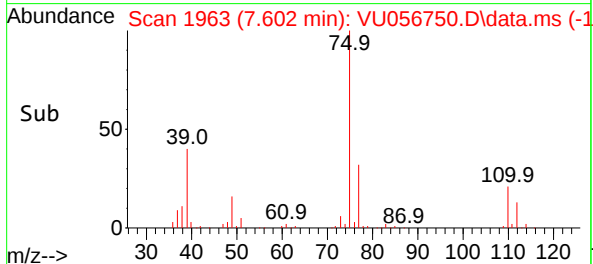
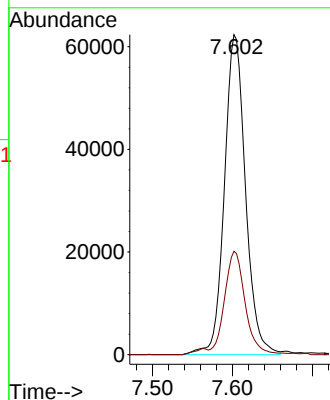
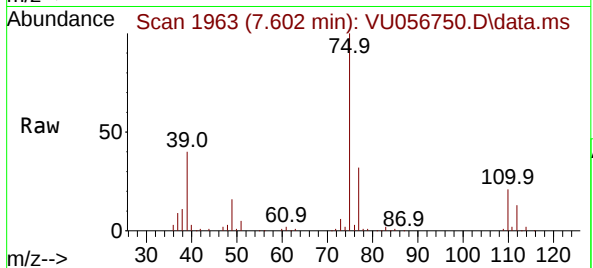
DCLC1MS

Tgt Ion: 75 Resp: 114403

Ion Ratio Lower Upper

75 100

77 32.3 22.3 41.5



#40

4-Methyl-2-pentanone

Concen: 49.930 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.000 min

Lab File: VU056750.D

Acq: 11 Dec 2023 22:32

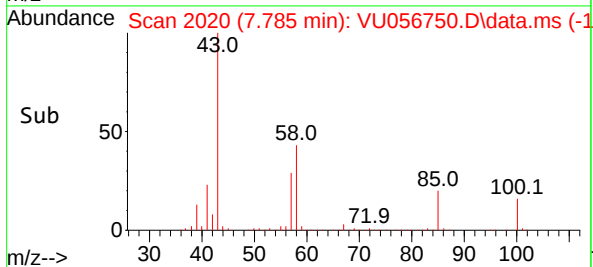
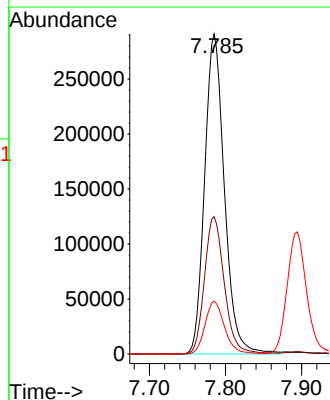
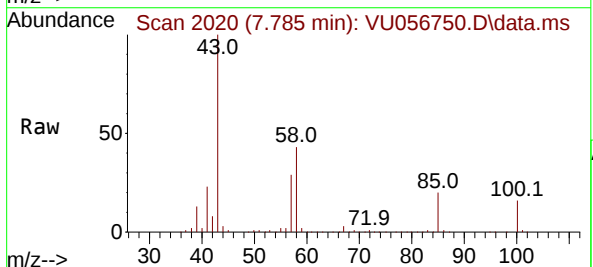
Tgt Ion: 43 Resp: 525714

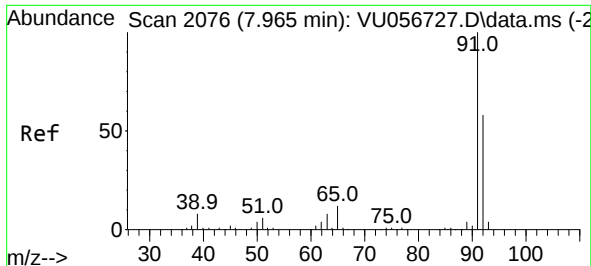
Ion Ratio Lower Upper

43 100

58 43.1 33.7 50.5

100 16.3 13.0 19.4





#42

Toluene

Concen: 4.164 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056750.D

Acq: 11 Dec 2023 22:32

Instrument :

MSVOA_U

ClientSampleId :

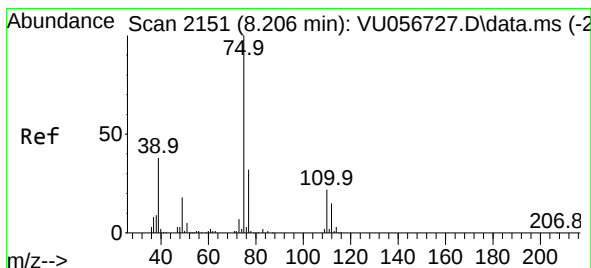
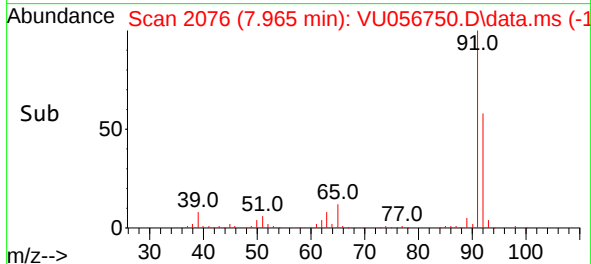
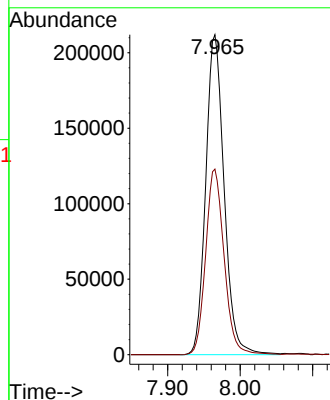
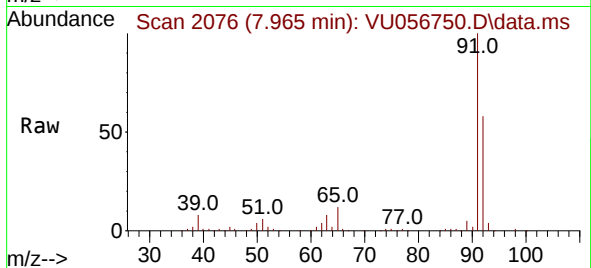
DCLC1MS

Tgt Ion: 91 Resp: 373484

Ion Ratio Lower Upper

91 100

92 58.0 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 3.719 ug/L

RT: 8.206 min Scan# 2151

Delta R.T. -0.000 min

Lab File: VU056750.D

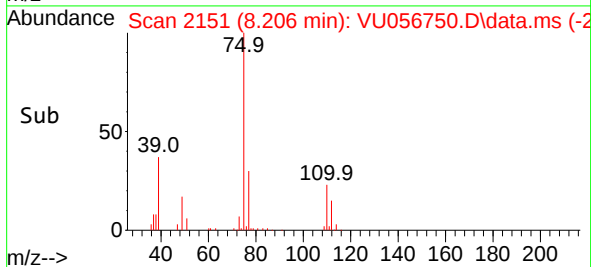
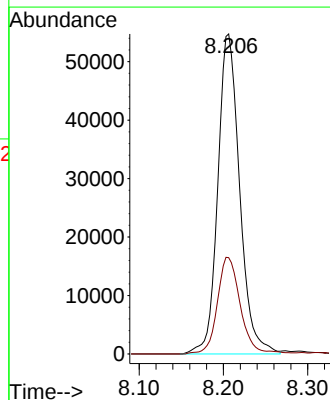
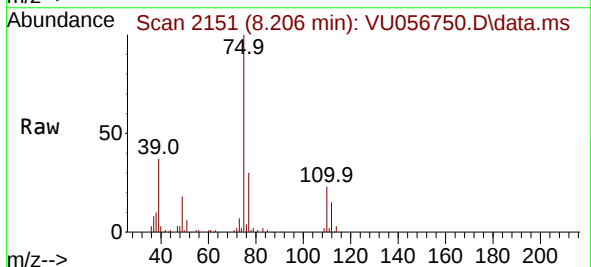
Acq: 11 Dec 2023 22:32

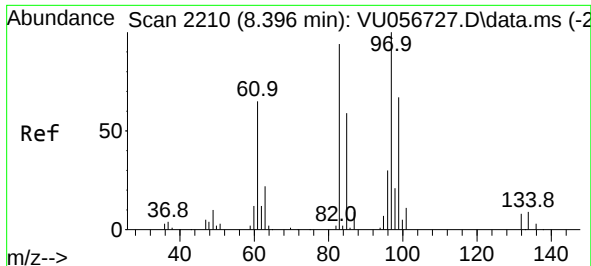
Tgt Ion: 75 Resp: 98518

Ion Ratio Lower Upper

75 100

77 30.1 21.8 40.4



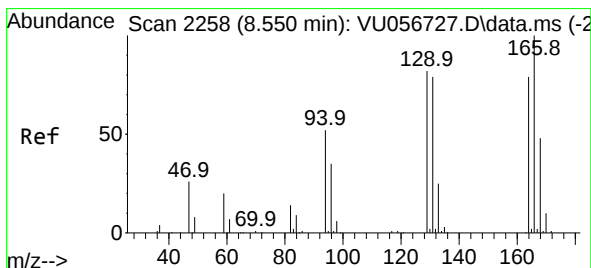
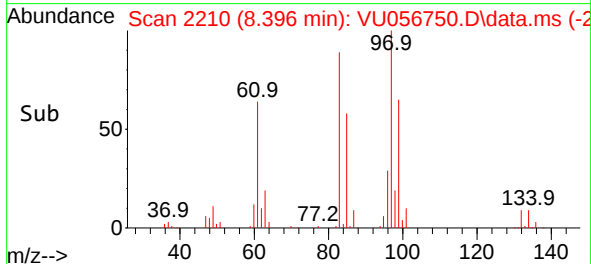
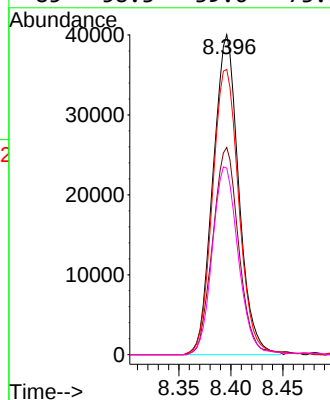
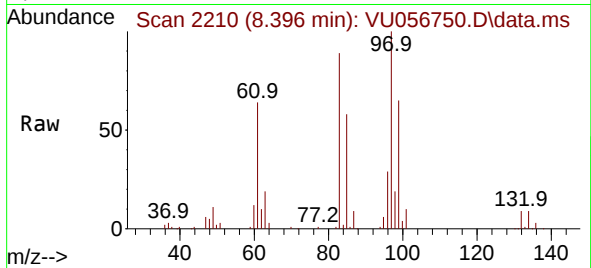


#45
1,1,2-Trichloroethane
Concen: 4.596 ug/L
RT: 8.396 min Scan# 211
Delta R.T. -0.000 min
Lab File: VU056750.D
Acq: 11 Dec 2023 22:32

Instrument :
MSVOA_U
ClientSampleId :
DCLC1MS

Tgt Ion: 97 Resp: 68900

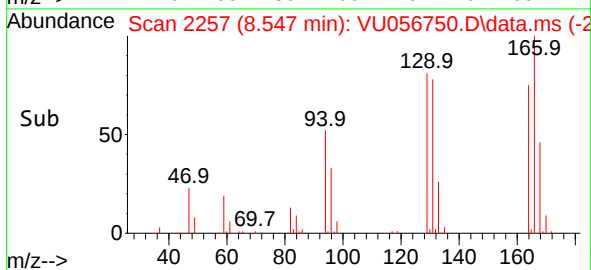
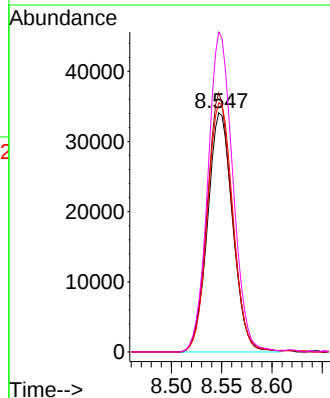
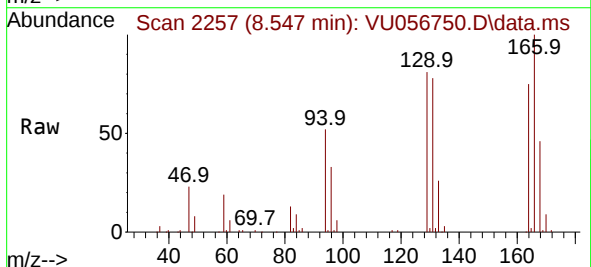
Ion	Ratio	Lower	Upper
97	100		
99	64.8	41.9	77.9
83	89.2	59.1	109.7
85	58.3	39.6	73.6

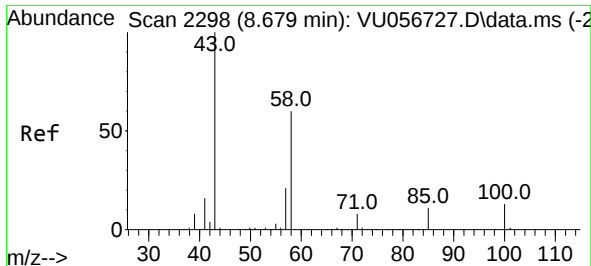


#47
Tetrachloroethene
Concen: 3.580 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.003 min
Lab File: VU056750.D
Acq: 11 Dec 2023 22:32

Tgt Ion: 164 Resp: 59576

Ion	Ratio	Lower	Upper
164	100		
129	108.4	73.4	136.4
131	104.2	71.5	132.9
166	133.8	92.7	172.1

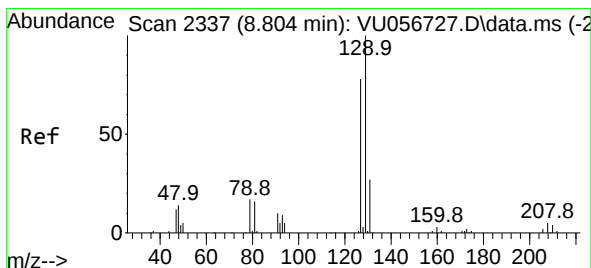
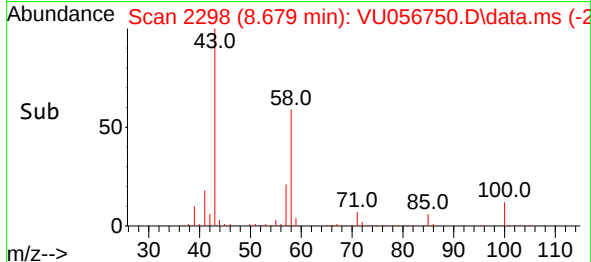
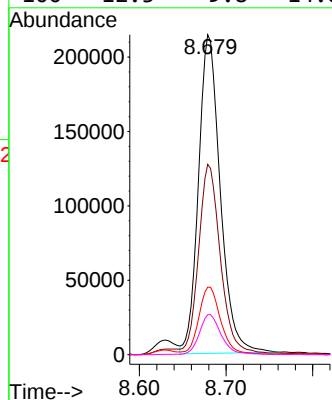
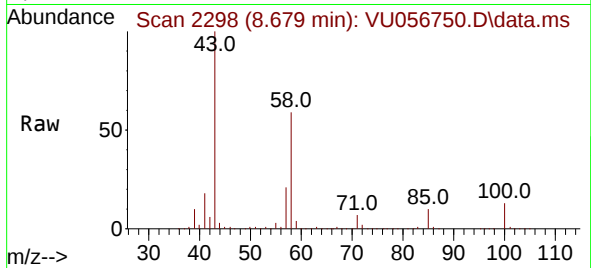




#48
2-Hexanone
Concen: 49.935 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056750.D
Acq: 11 Dec 2023 22:32

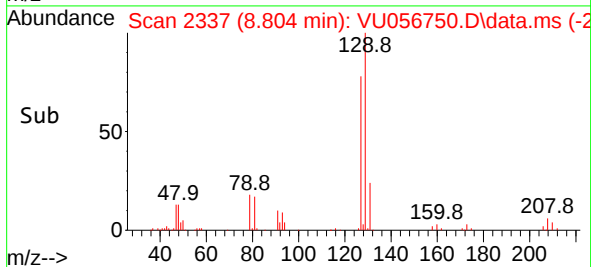
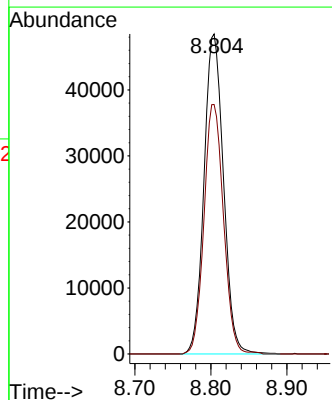
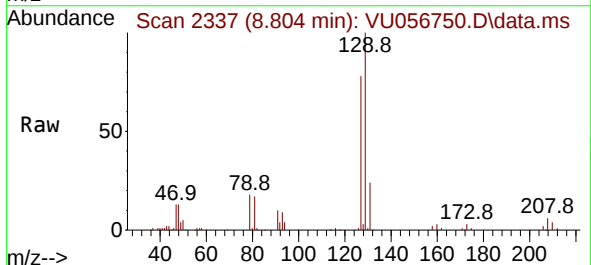
Instrument :
MSVOA_U
ClientSampleId :
DCLC1MS

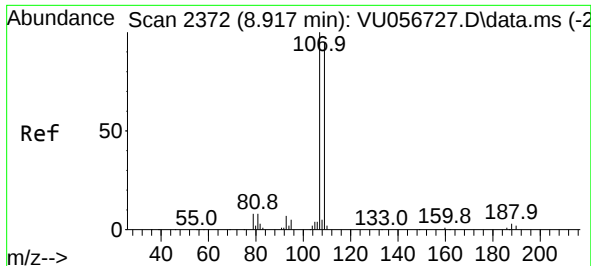
Tgt Ion: 43 Resp: 374464
Ion Ratio Lower Upper
43 100
58 62.1 47.5 71.3
57 21.6 17.0 25.4
100 12.3 9.8 14.8



#49
Dibromochloromethane
Concen: 4.992 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU056750.D
Acq: 11 Dec 2023 22:32

Tgt Ion: 129 Resp: 86021
Ion Ratio Lower Upper
129 100
127 78.0 53.9 100.1





#50

1,2-Dibromoethane

Concen: 4.528 ug/L

RT: 8.920 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU056750.D

Acq: 11 Dec 2023 22:32

Instrument :

MSVOA_U

ClientSampleId :

DCLC1MS

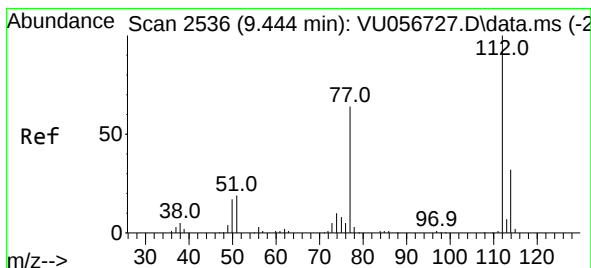
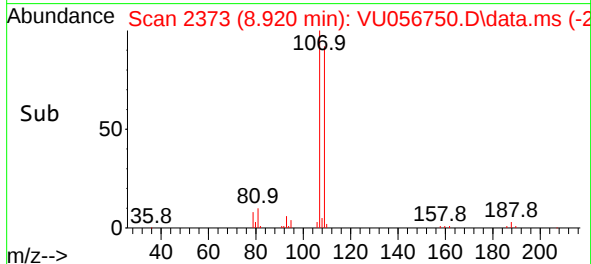
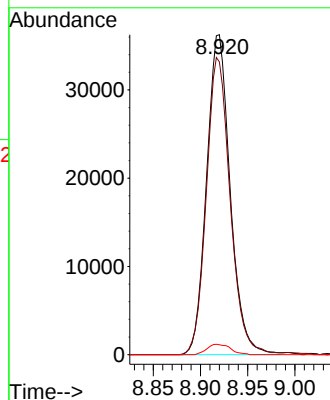
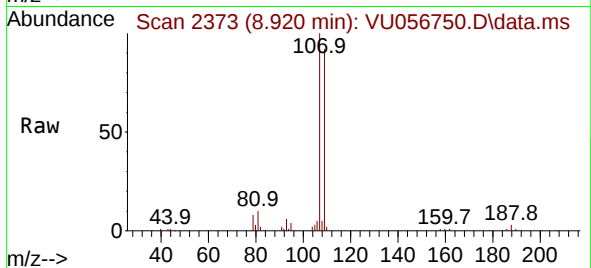
Tgt Ion:107 Resp: 62991

Ion Ratio Lower Upper

107 100

109 91.5 66.5 123.5

188 3.1 2.9 4.3



#51

Chlorobenzene

Concen: 4.315 ug/L

RT: 9.441 min Scan# 2535

Delta R.T. -0.003 min

Lab File: VU056750.D

Acq: 11 Dec 2023 22:32

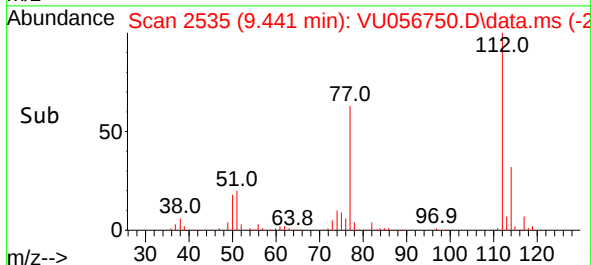
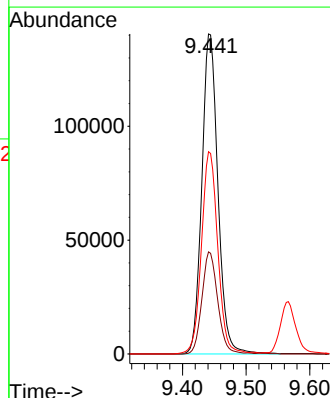
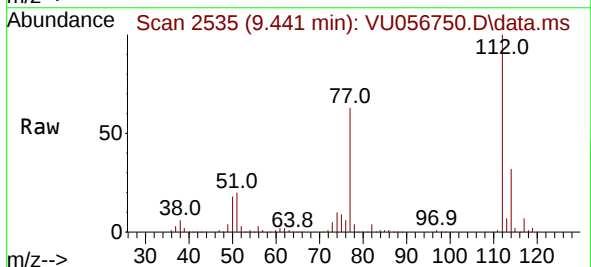
Tgt Ion:112 Resp: 246647

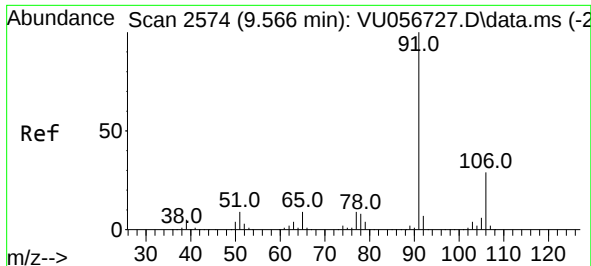
Ion Ratio Lower Upper

112 100

114 31.9 21.9 40.7

77 63.2 51.6 77.4

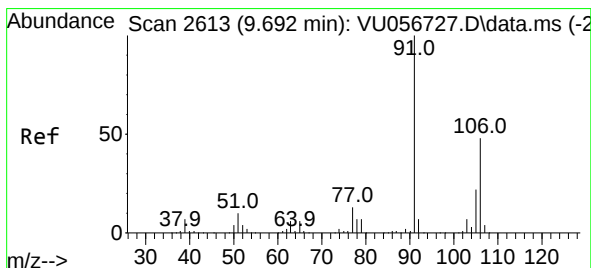
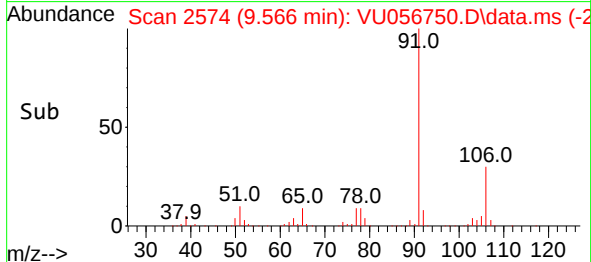
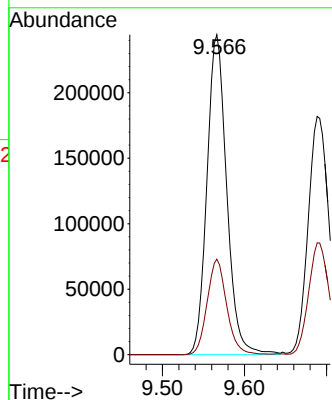
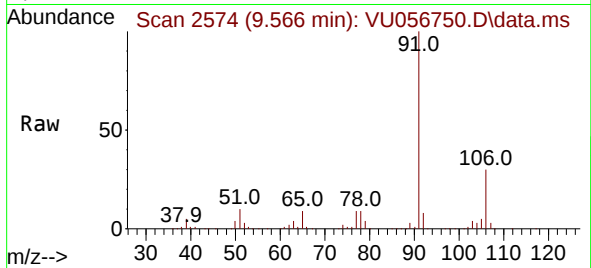




#52
Ethylbenzene
Concen: 4.142 ug/L
RT: 9.566 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056750.D
Acq: 11 Dec 2023 22:32

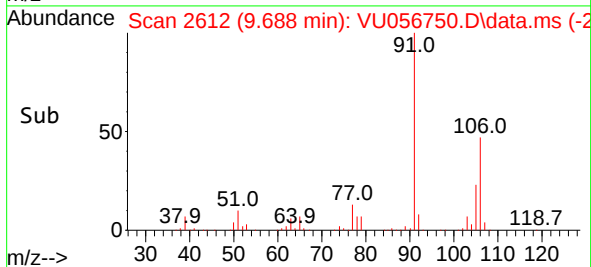
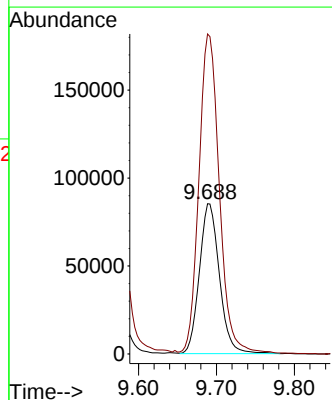
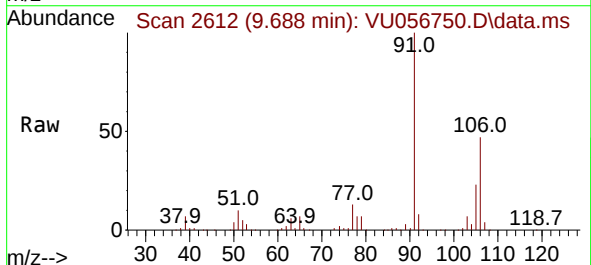
Instrument :
MSVOA_U
ClientSampleId :
DCLC1MS

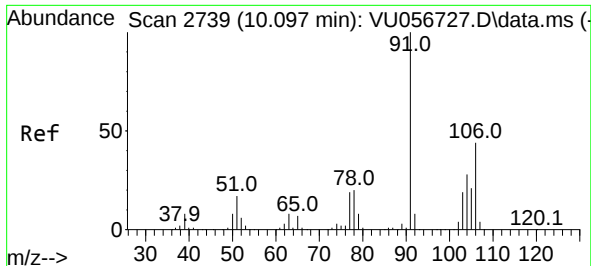
Tgt Ion: 91 Resp: 409818
Ion Ratio Lower Upper
91 100
106 29.9 20.6 38.4



#53
m,p-Xylene
Concen: 4.115 ug/L
RT: 9.688 min Scan# 2612
Delta R.T. -0.003 min
Lab File: VU056750.D
Acq: 11 Dec 2023 22:32

Tgt Ion:106 Resp: 151680
Ion Ratio Lower Upper
106 100
91 213.0 154.0 286.0

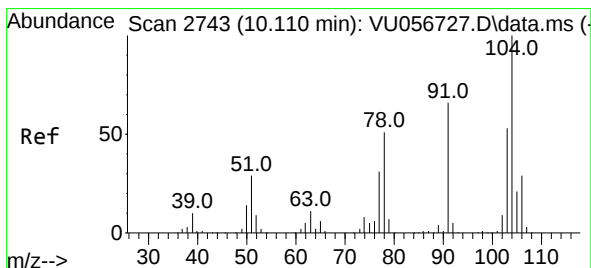
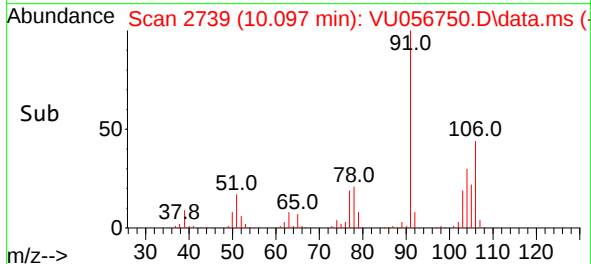
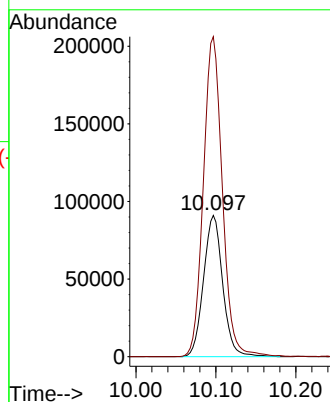
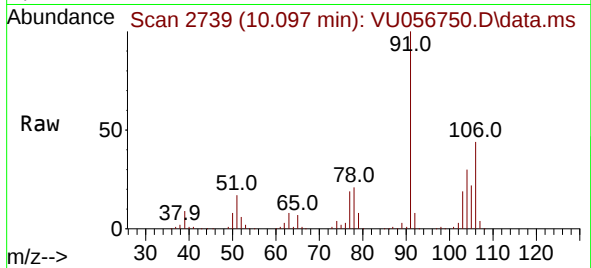




#54
o-Xylene
Concen: 4.332 ug/L
RT: 10.097 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU056750.D
Acq: 11 Dec 2023 22:32

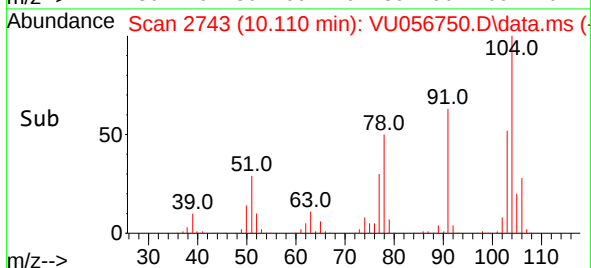
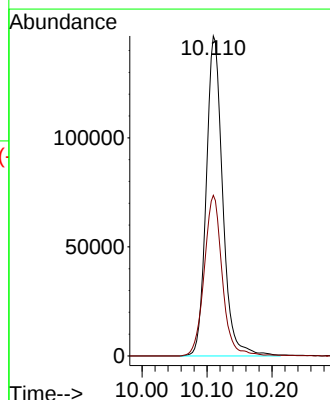
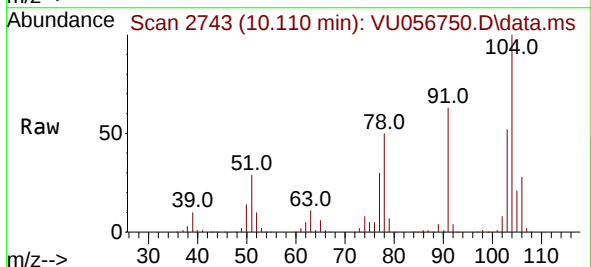
Instrument :
MSVOA_U
ClientSampleId :
DCLC1MS

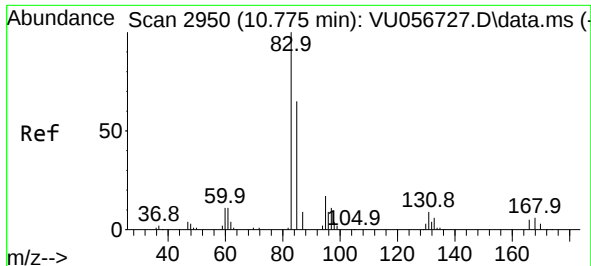
Tgt Ion:106 Resp: 152118
Ion Ratio Lower Upper
106 100
91 226.5 160.2 297.6



#55
Styrene
Concen: 4.490 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU056750.D
Acq: 11 Dec 2023 22:32

Tgt Ion:104 Resp: 258893
Ion Ratio Lower Upper
104 100
78 50.2 35.6 66.2

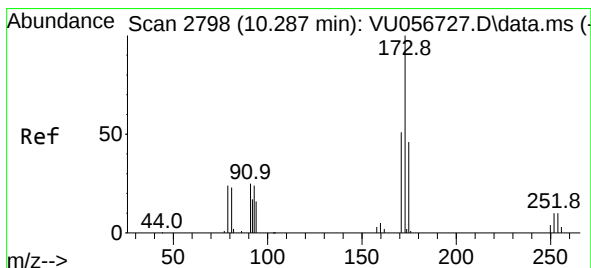
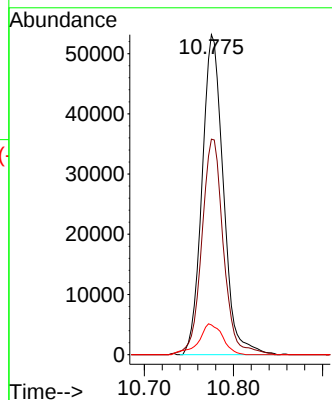
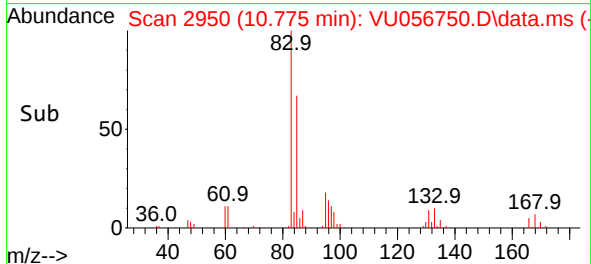
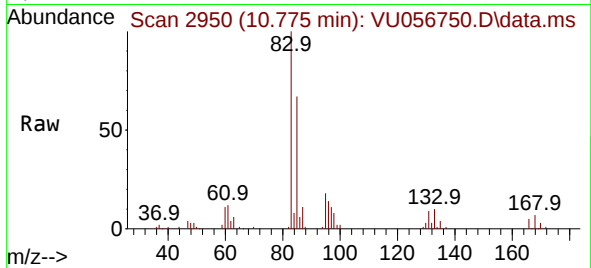




#57
1,1,2,2-Tetrachloroethane
Concen: 4.867 ug/L
RT: 10.775 min Scan# 2950
Delta R.T. -0.000 min
Lab File: VU056750.D
Acq: 11 Dec 2023 22:32

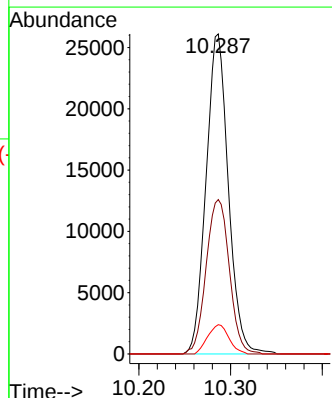
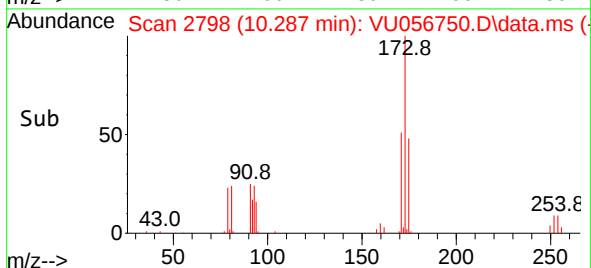
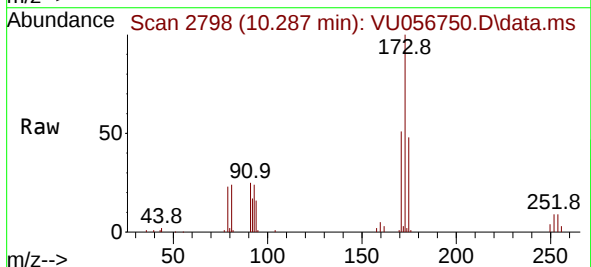
Instrument :
MSVOA_U
ClientSampleId :
DCLC1MS

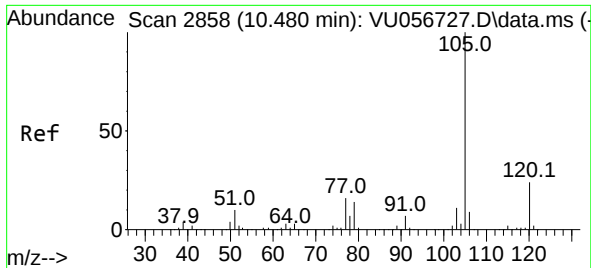
Tgt Ion: 83 Resp: 88149
Ion Ratio Lower Upper
83 100
85 67.4 45.4 84.4
131 9.3 6.6 9.8



#59
Bromoform
Concen: 4.426 ug/L
RT: 10.287 min Scan# 2798
Delta R.T. -0.000 min
Lab File: VU056750.D
Acq: 11 Dec 2023 22:32

Tgt Ion:173 Resp: 44001
Ion Ratio Lower Upper
173 100
175 50.3 38.2 57.2
254 8.7 7.0 10.4

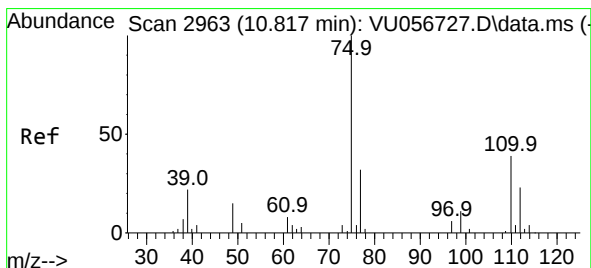
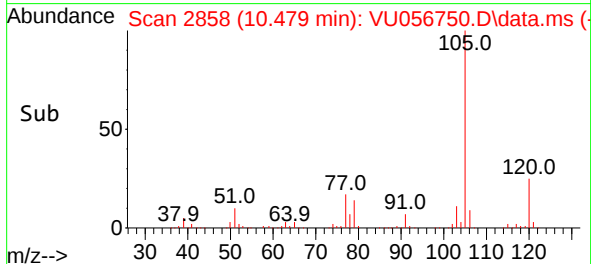
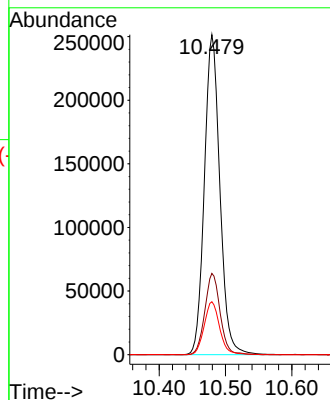
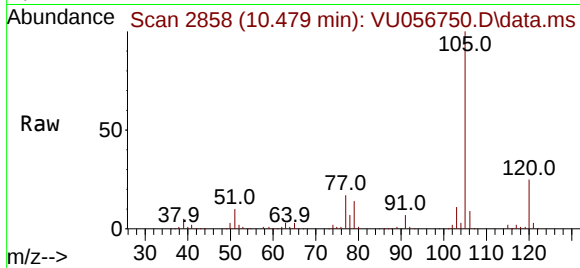




#60
Isopropylbenzene
Concen: 4.253 ug/L
RT: 10.479 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU056750.D
Acq: 11 Dec 2023 22:32

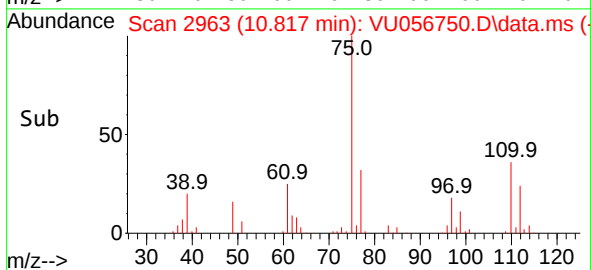
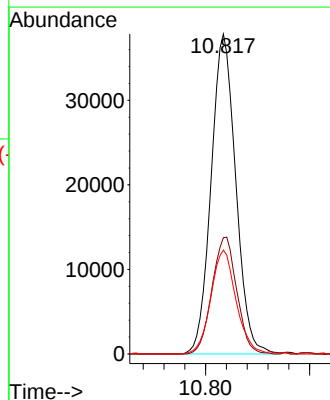
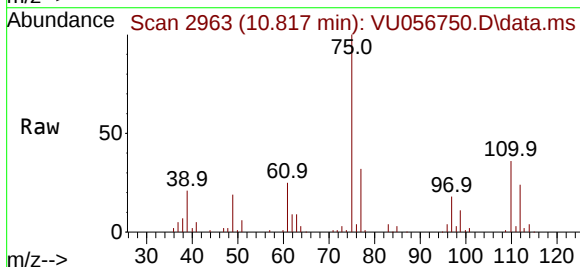
Instrument :
MSVOA_U
ClientSampleId :
DCLC1MS

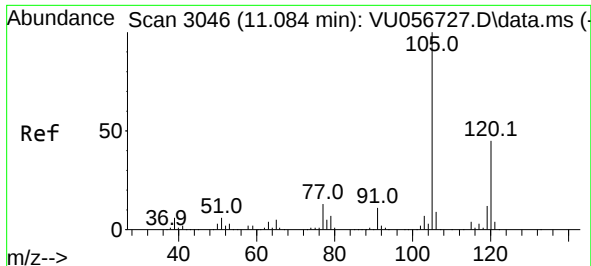
Tgt Ion:105 Resp: 409058
Ion Ratio Lower Upper
105 100
120 25.1 20.1 30.1
77 16.5 13.2 19.8



#61
1,2,3-Trichloropropane
Concen: 4.764 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU056750.D
Acq: 11 Dec 2023 22:32

Tgt Ion: 75 Resp: 62275
Ion Ratio Lower Upper
75 100
110 36.6 28.4 42.6
77 33.4 26.3 39.5





#62

1,3,5-Trimethylbenzene

Concen: 4.108 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU056750.D

Acq: 11 Dec 2023 22:32

Instrument :

MSVOA_U

ClientSampleId :

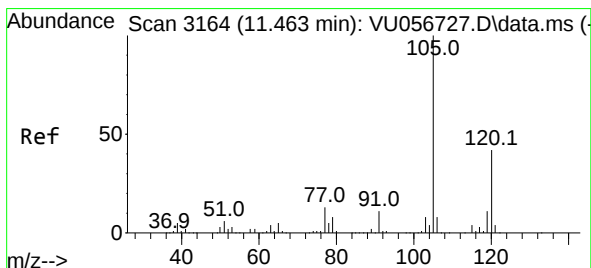
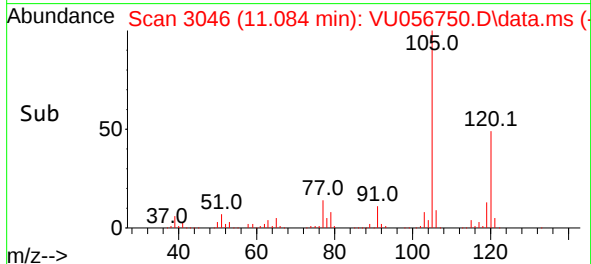
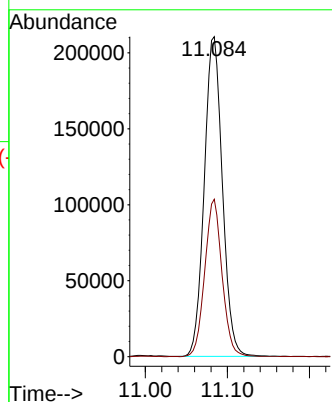
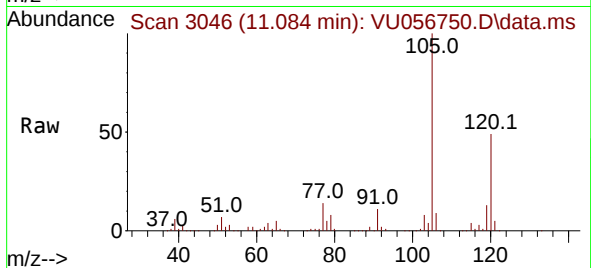
DCLC1MS

Tgt Ion:105 Resp: 322912

Ion Ratio Lower Upper

105 100

120 47.1 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 4.249 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU056750.D

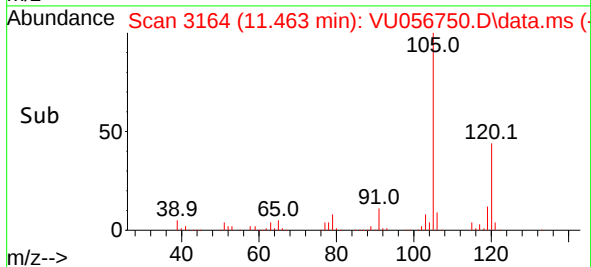
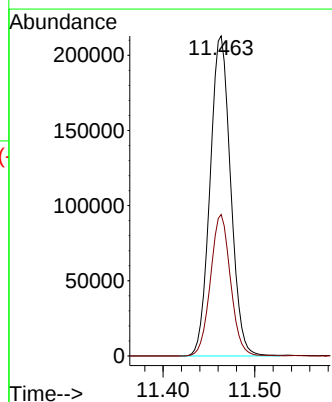
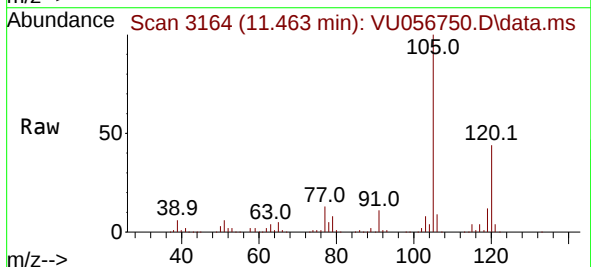
Acq: 11 Dec 2023 22:32

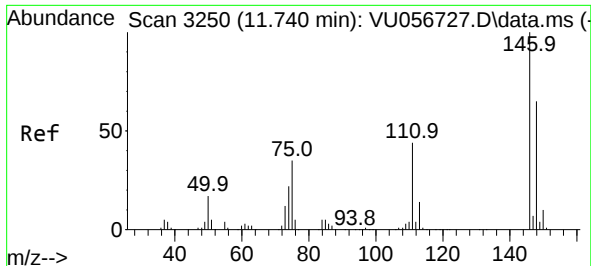
Tgt Ion:105 Resp: 331756

Ion Ratio Lower Upper

105 100

120 43.2 34.2 51.4

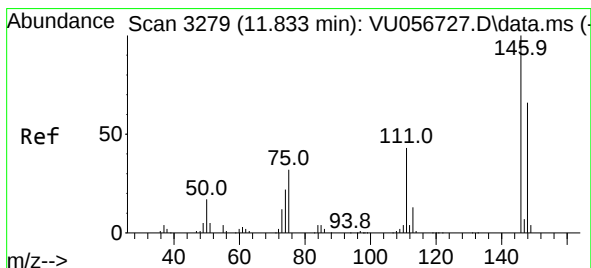
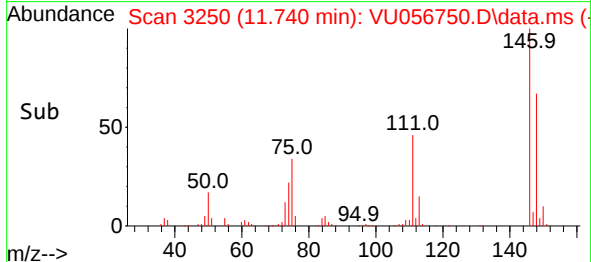
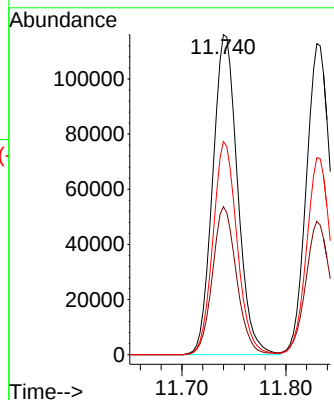
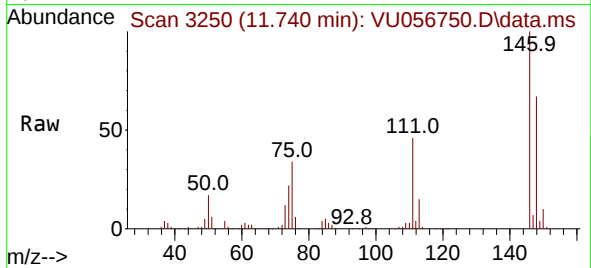




#64
1,3-Dichlorobenzene
Concen: 4.240 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU056750.D
Acq: 11 Dec 2023 22:32

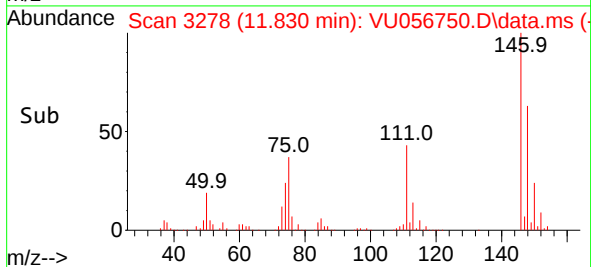
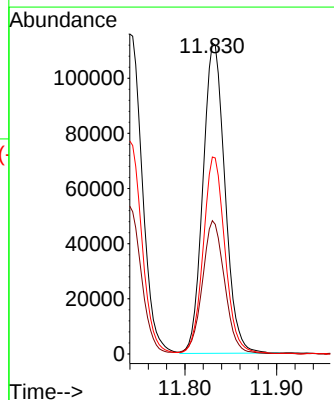
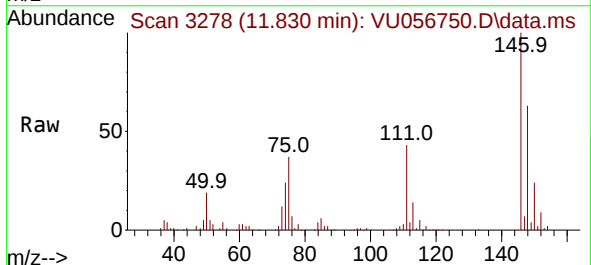
Instrument :
MSVOA_U
ClientSampleId :
DCLC1MS

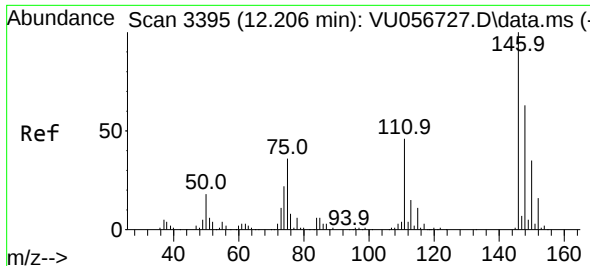
Tgt Ion:146 Resp: 192942
Ion Ratio Lower Upper
146 100
111 46.3 31.7 58.9
148 66.6 44.3 82.3



#65
1,4-Dichlorobenzene
Concen: 4.181 ug/L
RT: 11.830 min Scan# 3278
Delta R.T. -0.003 min
Lab File: VU056750.D
Acq: 11 Dec 2023 22:32

Tgt Ion:146 Resp: 187312
Ion Ratio Lower Upper
146 100
111 42.8 31.2 58.0
148 63.3 45.6 84.8





#67

1,2-Dichlorobenzene

Concen: 4.344 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU056750.D

Acq: 11 Dec 2023 22:32

Instrument :

MSVOA_U

ClientSampleId :

DCLC1MS

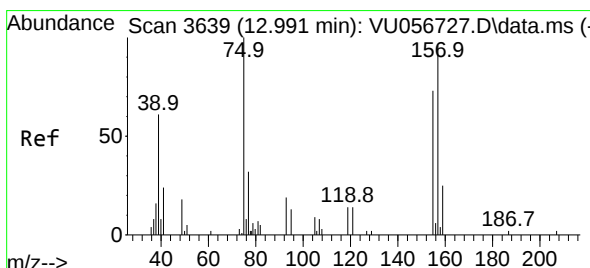
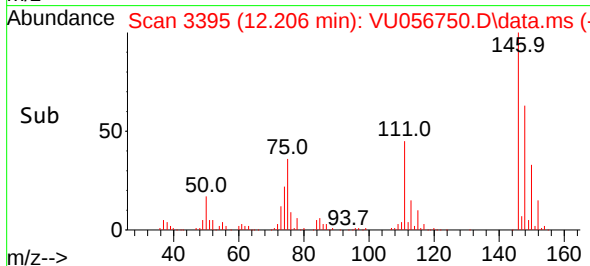
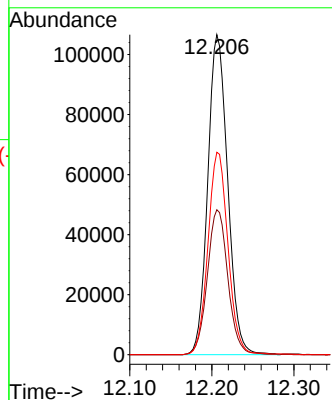
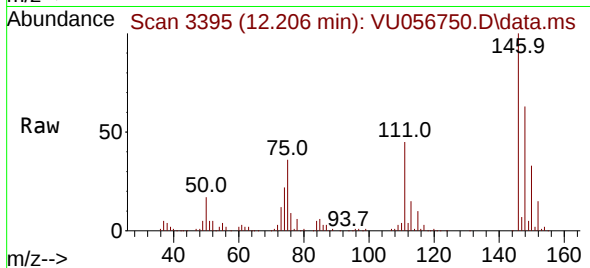
Tgt Ion:146 Resp: 180063

Ion Ratio Lower Upper

146 100

111 45.3 36.9 55.3

148 63.3 53.0 79.4



#68

1,2-Dibromo-3-chloropropane

Concen: 4.719 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. 0.003 min

Lab File: VU056750.D

Acq: 11 Dec 2023 22:32

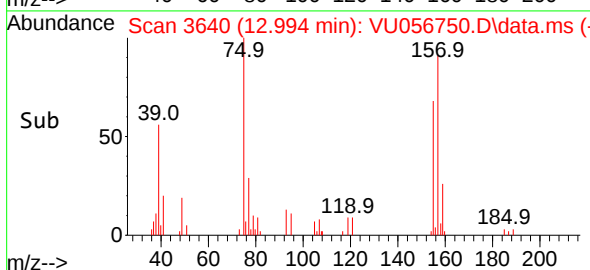
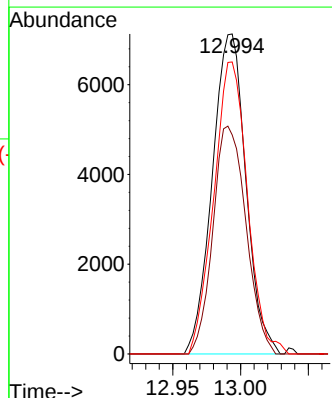
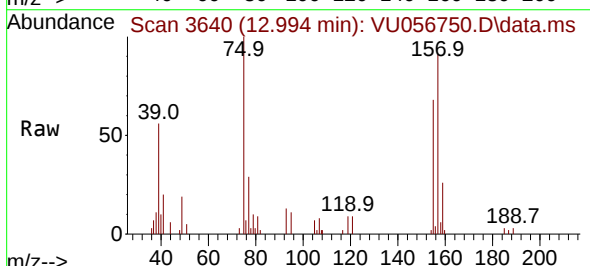
Tgt Ion: 75 Resp: 12316

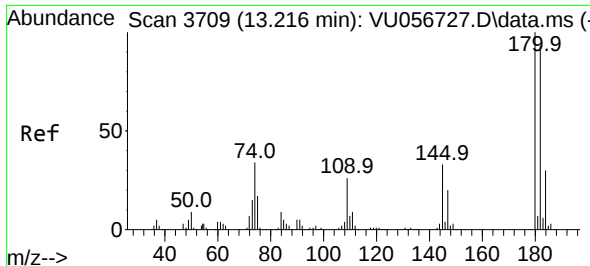
Ion Ratio Lower Upper

75 100

155 68.4 55.4 83.2

157 91.2 77.3 115.9





#69

1,3,5-Trichlorobenzene

Concen: 3.949 ug/L

RT: 13.212 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU056750.D

Acq: 11 Dec 2023 22:32

Instrument :

MSVOA_U

ClientSampleId :

DCLC1MS

Tgt Ion:180 Resp: 135779

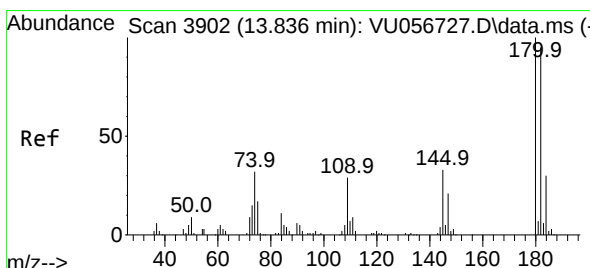
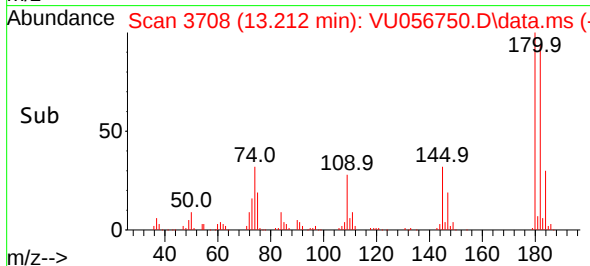
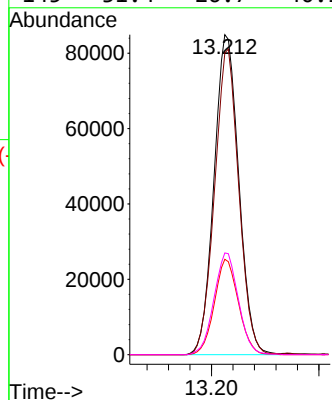
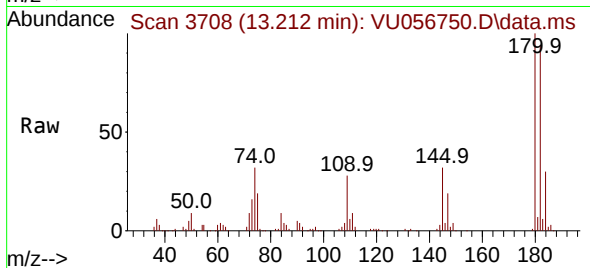
Ion Ratio Lower Upper

180 100

182 93.6 76.2 114.4

184 29.0 24.6 37.0

145 31.4 26.7 40.1



#70

1,2,4-trichlorobenzene

Concen: 3.895 ug/L

RT: 13.836 min Scan# 3902

Delta R.T. -0.000 min

Lab File: VU056750.D

Acq: 11 Dec 2023 22:32

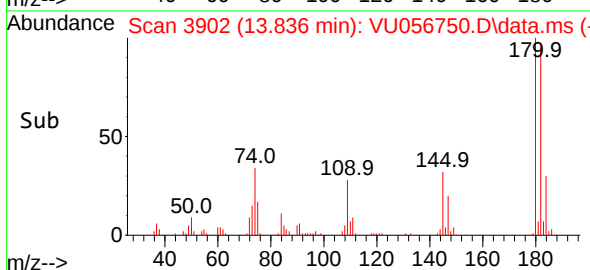
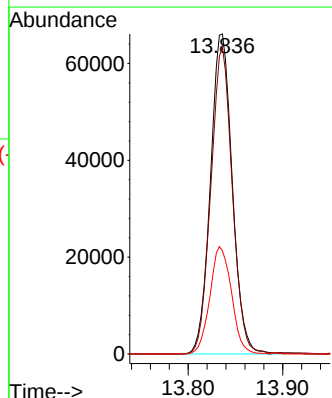
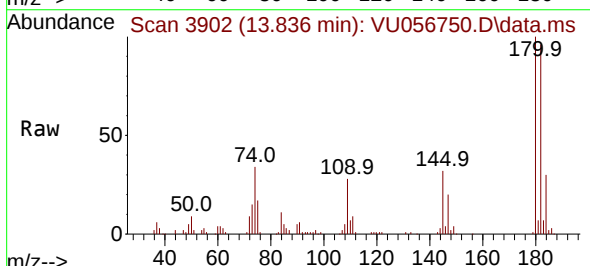
Tgt Ion:180 Resp: 106057

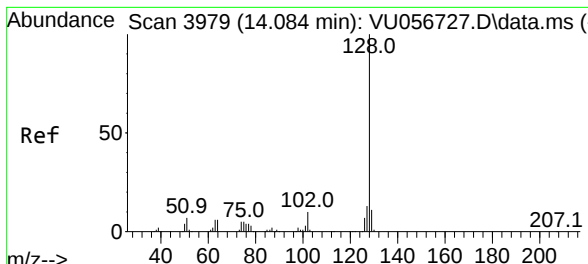
Ion Ratio Lower Upper

180 100

182 93.8 74.3 111.5

145 33.2 26.7 40.1

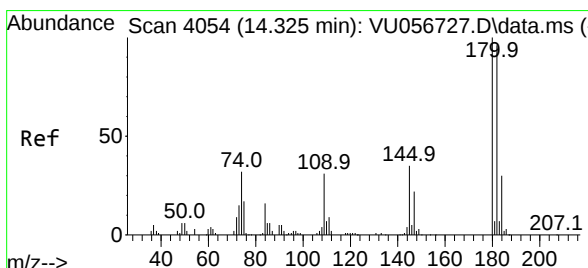
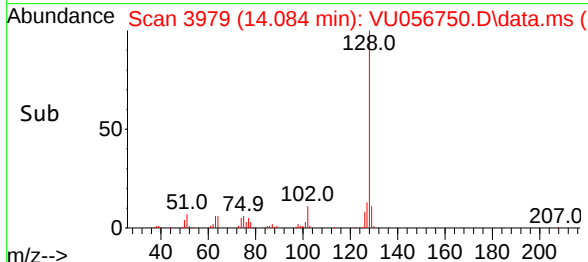
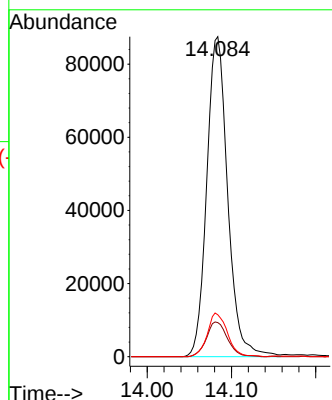
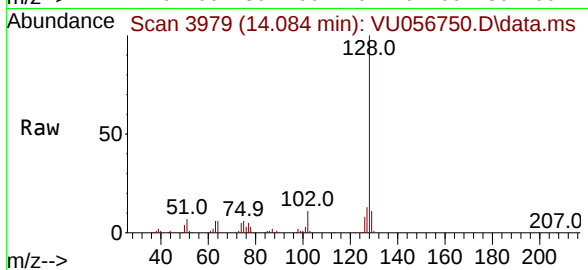




#71
Naphthalene
Concen: 3.799 ug/L
RT: 14.084 min Scan# 3979
Delta R.T. -0.000 min
Lab File: VU056750.D
Acq: 11 Dec 2023 22:32

Instrument :
MSVOA_U
ClientSampleId :
DCLC1MS

Tgt Ion:	128	Resp:	151348
Ion Ratio	Lower	Upper	
128	100		
129	10.9	8.6	12.8
127	13.1	10.2	15.2



#72
1,2,3-Trichlorobenzene
Concen: 3.817 ug/L
RT: 14.325 min Scan# 4054
Delta R.T. -0.000 min
Lab File: VU056750.D
Acq: 11 Dec 2023 22:32

Tgt Ion:	180	Resp:	88216
Ion Ratio	Lower	Upper	
180	100		
182	97.0	75.0	112.6
145	36.2	28.6	42.8

