

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111623\
 Data File : VU056398.D
 Acq On : 16 Nov 2023 11:28
 Operator : MD/SY
 Sample : 05372-11MS
 Misc : 25mL/MSVOA_U/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 17 01:35:23 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR111323WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Fri Nov 17 01:31:28 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.245	114	360595	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.412	117	350311	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.808	152	174590	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.596	65	101586	3.766	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	75.400%
7) Chloroethane-d5	1.908	69	83394	4.033	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	80.600%
11) 1,1-Dichloroethene-d2	2.564	65	46163	3.878	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.600%
20) 2-Butanone-d5	4.615	46	248936	46.287	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.580%
24) Chloroform-d	5.055	84	227544	4.362	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.200%
26) 1,2-Dichloroethane-d4	5.695	65	108716	4.510	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.200%
32) Benzene-d6	5.721	84	426866	4.090	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.800%
36) 1,2-Dichloropropane-d6	6.686	67	132023	4.197	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	84.000%
41) Toluene-d8	7.894	98	391448	4.247	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.000%
43) trans-1,3-Dichloroprop...	8.174	79	52165	4.324	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	86.400%
46) 2-Hexanone-d5	8.628	63	225581	47.581	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	95.160%
56) 1,1,2,2-Tetrachloroeth...	10.750	84	100858	4.487	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.800%
66) 1,2-Dichlorobenzene-d4	12.187	152	136931	4.246	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.384	85	149603	5.236	ug/L	97
3) Chloromethane	1.515	50	152969	5.239	ug/L	98
5) Vinyl chloride	1.602	62	148328	5.273	ug/L	100
6) Bromomethane	1.853	94	67753	4.758	ug/L	95
8) Chloroethane	1.927	64	87961	5.119	ug/L	98
9) Trichlorofluoromethane	2.136	101	214743	5.297	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.576	101	128721	5.348	ug/L	98
12) 1,1-Dichloroethene	2.576	96	117288	5.313	ug/L	87
13) Acetone	2.628	43	163804	35.761	ug/L	100
14) Carbon disulfide	2.789	76	345828	4.814	ug/L	99
15) Methyl Acetate	2.946	43	41982	5.150	ug/L	100
16) Methylene chloride	3.039	84	132997	4.553	ug/L	100
17) Methyl tert-butyl Ether	3.354	73	287415	5.359	ug/L	99
18) trans-1,2-Dichloroethene	3.348	96	121778	5.362	ug/L	98
19) 1,1-Dichloroethane	3.862	63	245560	5.458	ug/L	99
21) 2-Butanone	4.695	43	261607	44.014	ug/L	96
22) cis-1,2-Dichloroethene	4.660	96	139290	5.408	ug/L	96
23) Bromochloromethane	4.969	128	58192	5.489	ug/L	97
25) Chloroform	5.081	83	264401	5.424	ug/L	98

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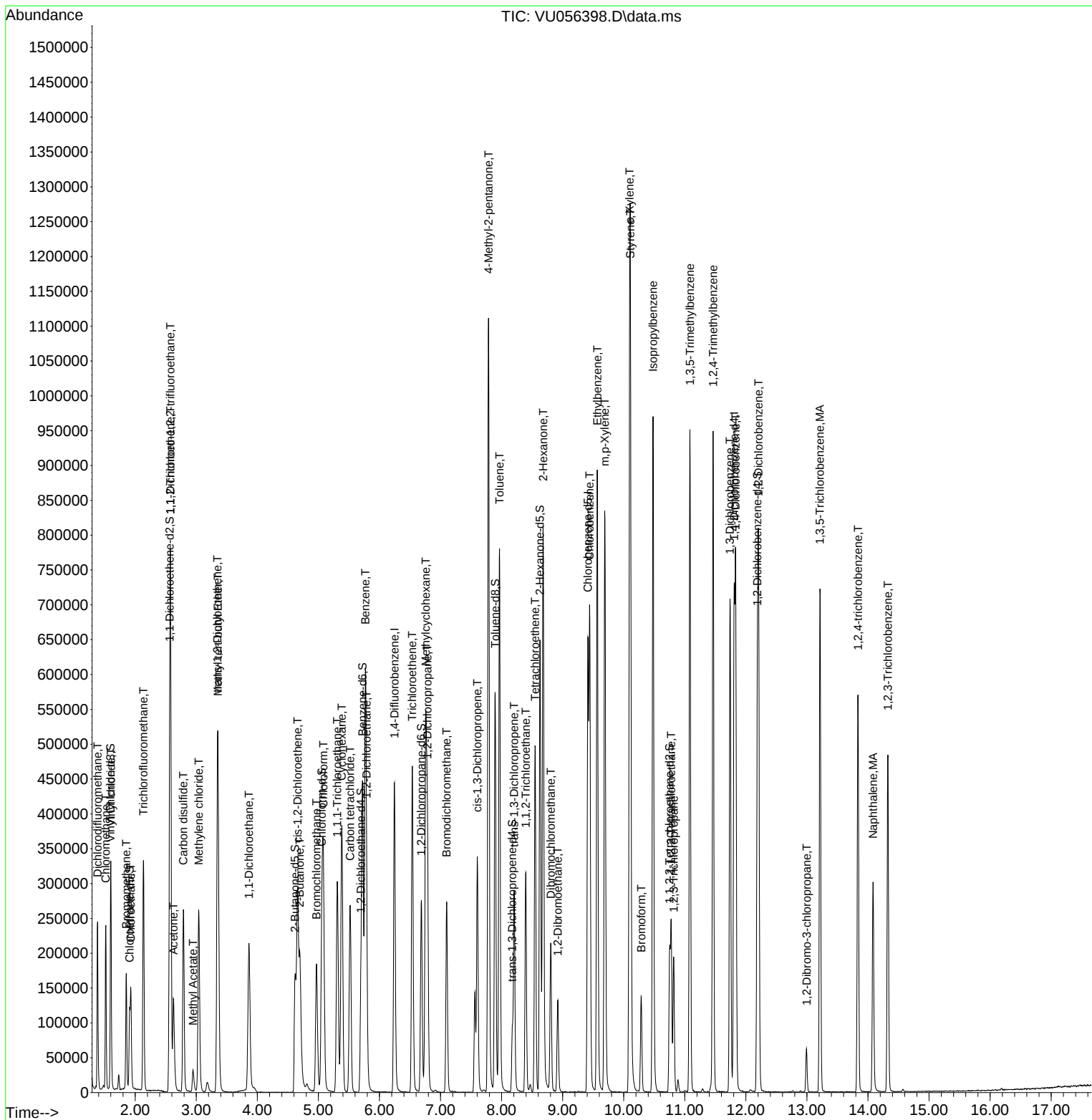
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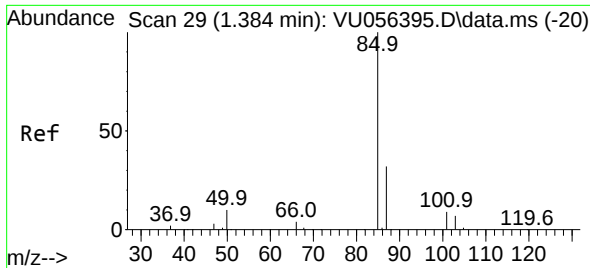
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 Quant Title : TRACE VOA SFAM1.0
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.788	62	154331	5.577	ug/L	97
29) 1,1,1-Trichloroethane	5.309	97	225409	5.606	ug/L	100
30) Cyclohexane	5.383	56	194922	5.107	ug/L	99
31) Carbon tetrachloride	5.518	117	189020	5.473	ug/L	99
33) Benzene	5.769	78	536000	5.362	ug/L	100
34) Trichloroethene	6.538	95	166369	6.109	ug/L	98
35) Methylcyclohexane	6.759	83	202667	5.155	ug/L	98
37) 1,2-Dichloropropane	6.785	63	141024	5.410	ug/L	100
38) Bromodichloromethane	7.100	83	178266	5.297	ug/L	99
39) cis-1,3-Dichloropropene	7.602	75	205058	5.354	ug/L	96
40) 4-Methyl-2-pentanone	7.785	43	694832	53.774	ug/L	98
42) Toluene	7.965	91	571367	5.521	ug/L	99
44) trans-1,3-Dichloropropene	8.203	75	166114	5.440	ug/L	99
45) 1,1,2-Trichloroethane	8.396	97	95239	5.486	ug/L	97
47) Tetrachloroethene	8.547	164	105240	5.731	ug/L	98
48) 2-Hexanone	8.679	43	501623	49.832	ug/L	99
49) Dibromochloromethane	8.804	129	110390	5.592	ug/L	98
50) 1,2-Dibromoethane	8.920	107	88628	5.408	ug/L	99
51) Chlorobenzene	9.441	112	362485	5.451	ug/L	100
52) Ethylbenzene	9.566	91	635661	5.532	ug/L	100
53) m,p-Xylene	9.689	106	243077	5.754	ug/L	99
54) o-Xylene	10.097	106	229954	5.604	ug/L	96
55) Styrene	10.110	104	400750	5.871	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.775	83	117581	5.547	ug/L #	99
59) Bromoform	10.287	173	61585	5.663	ug/L	98
60) Isopropylbenzene	10.480	105	634909	5.639	ug/L	100
61) 1,2,3-Trichloropropane	10.817	75	83272	5.559	ug/L	96
62) 1,3,5-Trimethylbenzene	11.084	105	523697	5.665	ug/L	99
63) 1,2,4-Trimethylbenzene	11.463	105	525241	5.756	ug/L	99
64) 1,3-Dichlorobenzene	11.740	146	287913	5.621	ug/L	99
65) 1,4-Dichlorobenzene	11.833	146	283077	5.510	ug/L	99
67) 1,2-Dichlorobenzene	12.206	146	263147	5.600	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.994	75	16528	5.165	ug/L	97
69) 1,3,5-Trichlorobenzene	13.213	180	212559	5.512	ug/L	98
70) 1,2,4-trichlorobenzene	13.836	180	166057	5.287	ug/L	98
71) Naphthalene	14.084	128	247843	5.223	ug/L	99
72) 1,2,3-Trichlorobenzene	14.325	180	141502	5.469	ug/L	98

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

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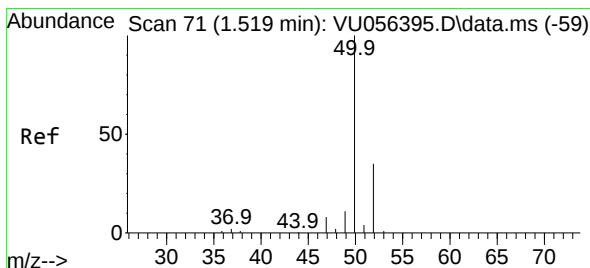
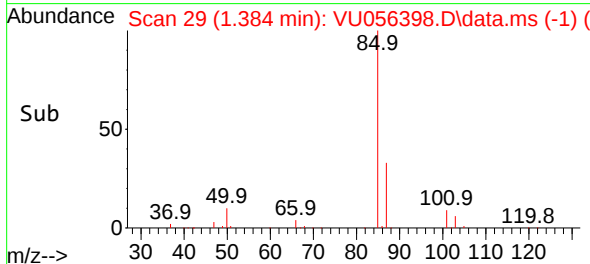
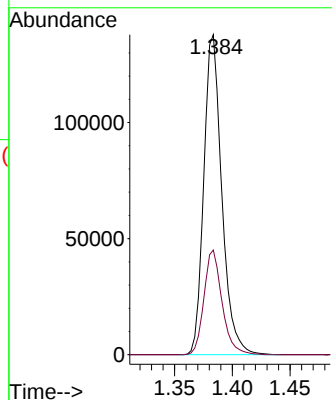
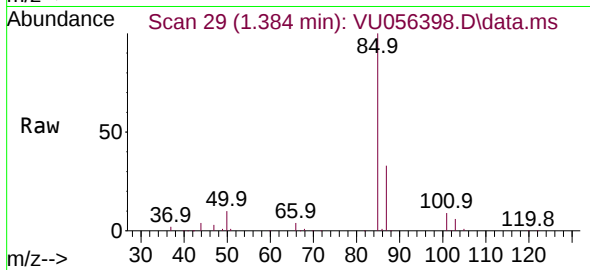




#2
 Dichlorodifluoromethane
 Concen: 5.236 ug/L
 RT: 1.384 min Scan# 29
 Delta R.T. -0.000 min
 Lab File: VU056398.D
 Acq: 16 Nov 2023 11:28

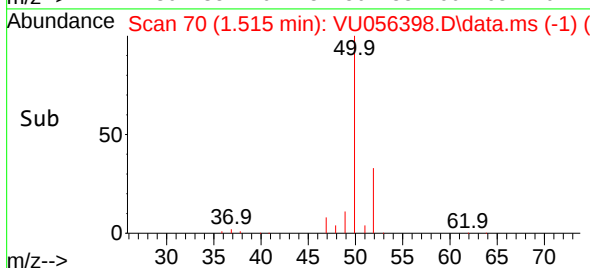
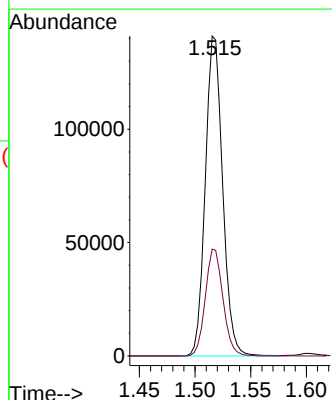
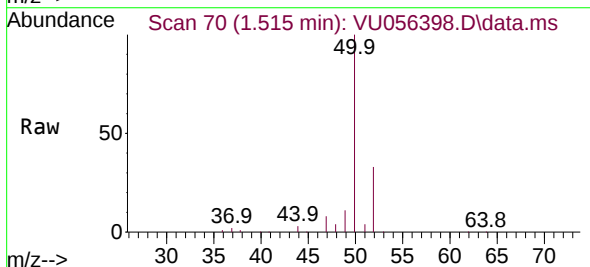
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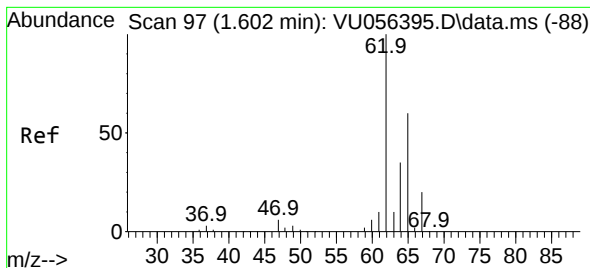
Tgt Ion: 85 Resp: 149603
 Ion Ratio Lower Upper
 85 100
 87 32.8 25.0 37.4



#3
 Chloromethane
 Concen: 5.239 ug/L
 RT: 1.515 min Scan# 70
 Delta R.T. -0.003 min
 Lab File: VU056398.D
 Acq: 16 Nov 2023 11:28

Tgt Ion: 50 Resp: 152969
 Ion Ratio Lower Upper
 50 100
 52 33.4 24.3 45.1

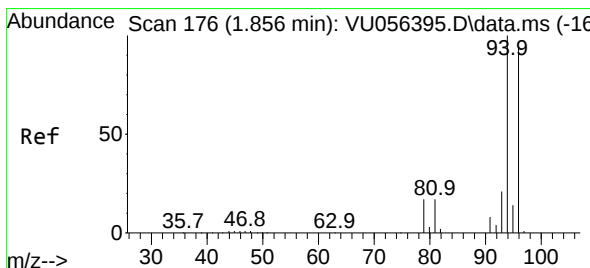
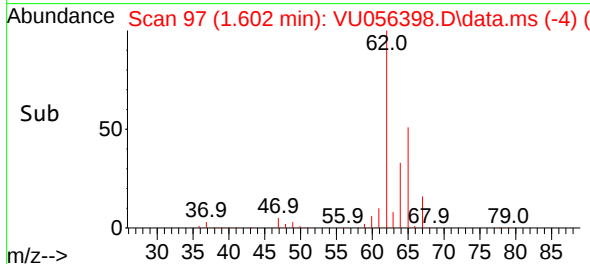
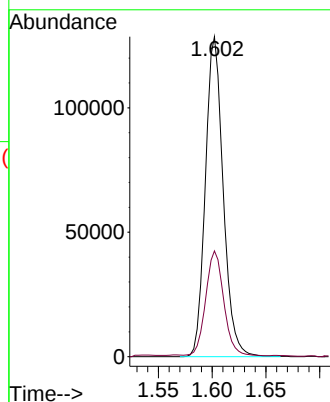
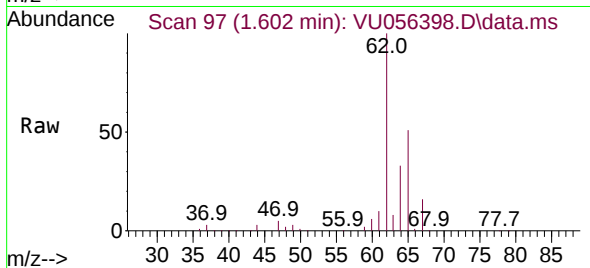




#5
 Vinyl chloride
 Concen: 5.273 ug/L
 RT: 1.602 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VU056398.D
 Acq: 16 Nov 2023 11:28

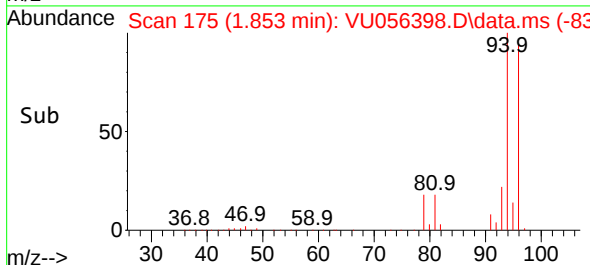
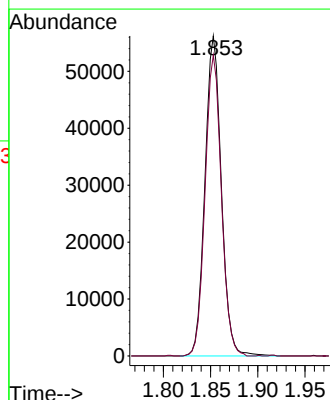
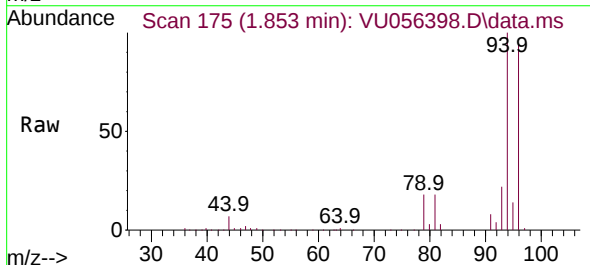
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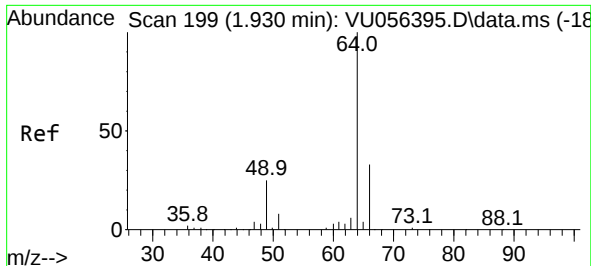
Tgt Ion: 62 Resp: 148328
 Ion Ratio Lower Upper
 62 100
 64 33.1 23.3 43.3



#6
 Bromomethane
 Concen: 4.758 ug/L
 RT: 1.853 min Scan# 175
 Delta R.T. -0.003 min
 Lab File: VU056398.D
 Acq: 16 Nov 2023 11:28

Tgt Ion: 94 Resp: 67753
 Ion Ratio Lower Upper
 94 100
 96 94.0 62.6 116.2

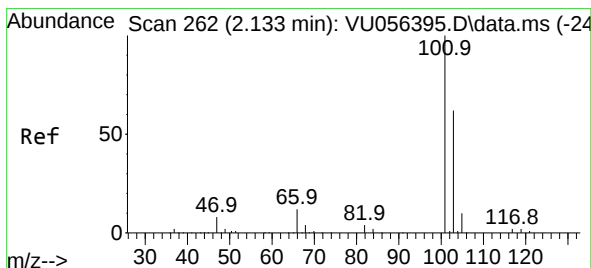
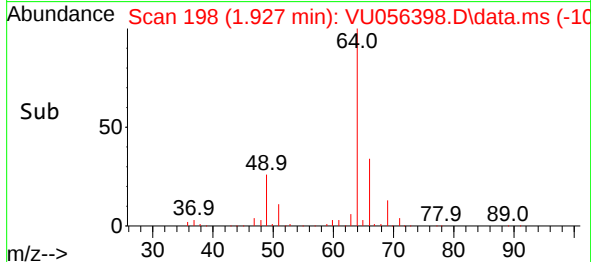
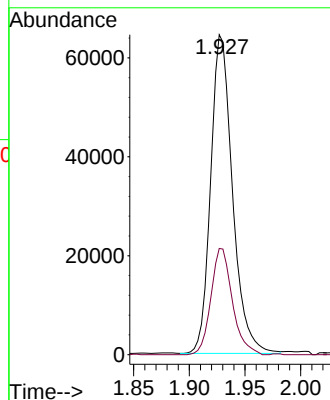
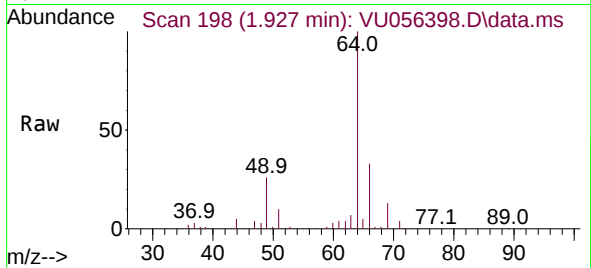




#8
Chloroethane
Concen: 5.119 ug/L
RT: 1.927 min Scan# 19
Delta R.T. -0.003 min
Lab File: VU056398.D
Acq: 16 Nov 2023 11:28

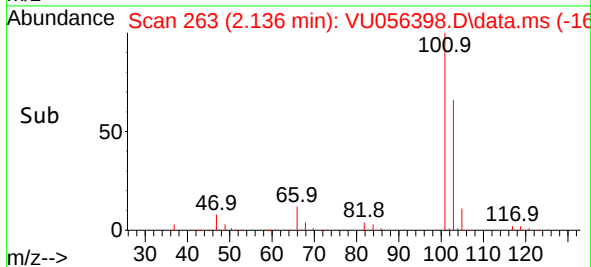
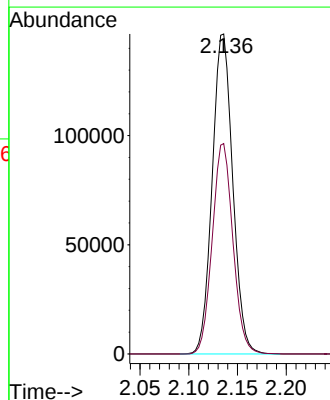
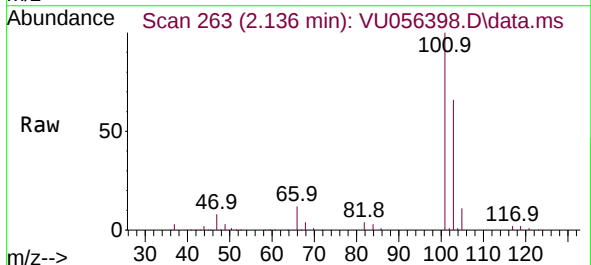
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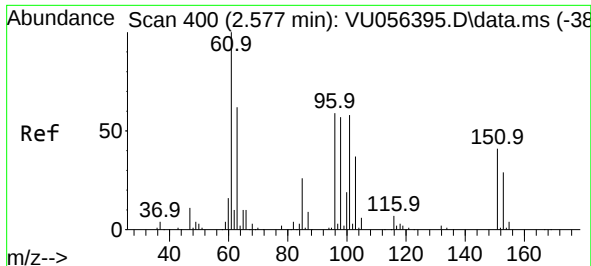
Tgt Ion: 64 Resp: 87961
Ion Ratio Lower Upper
64 100
66 33.2 23.9 44.5



#9
Trichlorofluoromethane
Concen: 5.297 ug/L
RT: 2.136 min Scan# 263
Delta R.T. 0.003 min
Lab File: VU056398.D
Acq: 16 Nov 2023 11:28

Tgt Ion:101 Resp: 214743
Ion Ratio Lower Upper
101 100
103 66.1 52.0 78.0

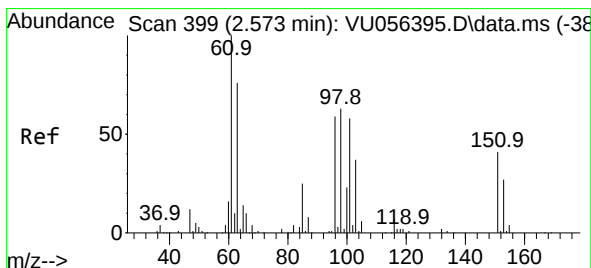
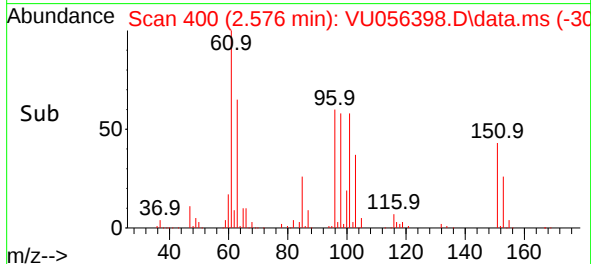
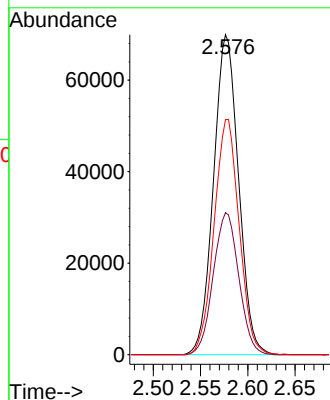
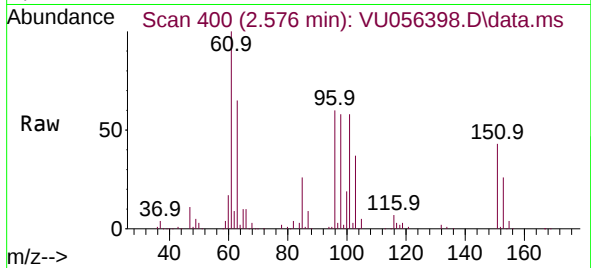




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 5.348 ug/L
RT: 2.576 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU056398.D
Acq: 16 Nov 2023 11:28

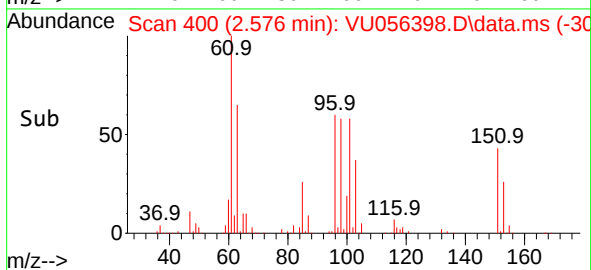
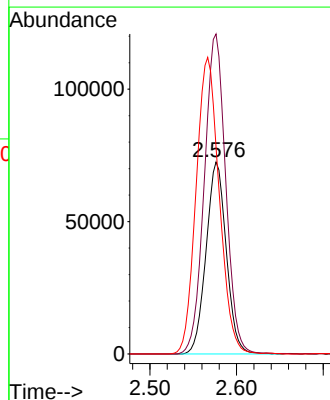
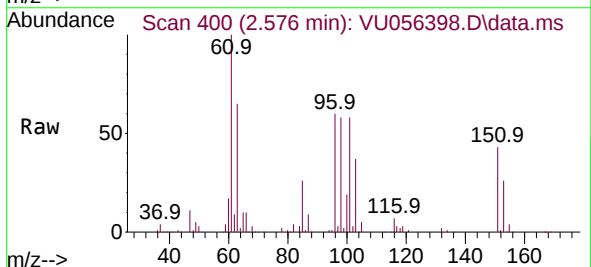
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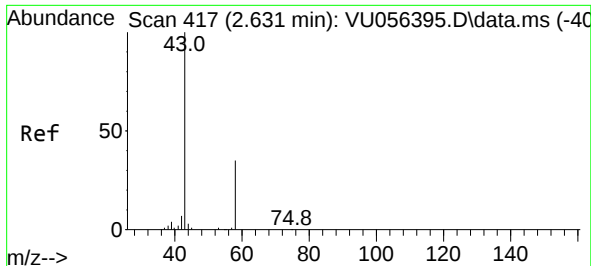
Tgt Ion:101 Resp: 128721
Ion Ratio Lower Upper
101 100
85 45.3 35.4 53.0
151 73.7 58.0 87.0



#12
1,1-Dichloroethene
Concen: 5.313 ug/L
RT: 2.576 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU056398.D
Acq: 16 Nov 2023 11:28

Tgt Ion: 96 Resp: 117288
Ion Ratio Lower Upper
96 100
61 166.6 123.1 228.7
63 107.7 93.3 173.3





#13

Acetone

Concen: 35.761 ug/L

RT: 2.628 min Scan# 41

Delta R.T. -0.003 min

Lab File: VU056398.D

Acq: 16 Nov 2023 11:28

Instrument :

MSVOA_U

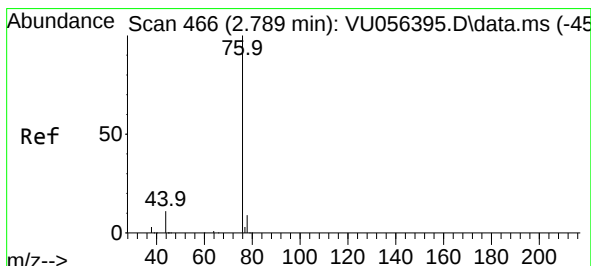
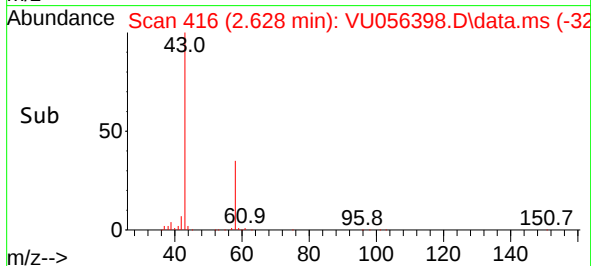
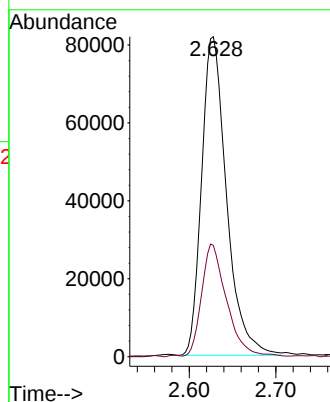
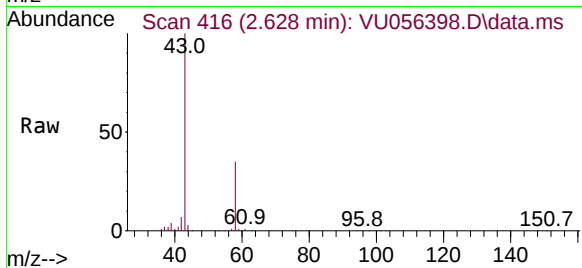
ClientSampleId :

Tgt Ion: 43 Resp: 163804

Ion Ratio Lower Upper

43 100

58 34.8 0.0 70.0



#14

Carbon disulfide

Concen: 4.814 ug/L

RT: 2.789 min Scan# 466

Delta R.T. -0.000 min

Lab File: VU056398.D

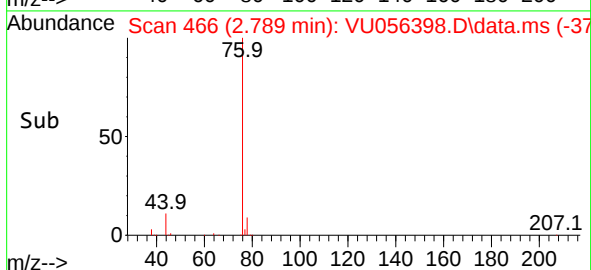
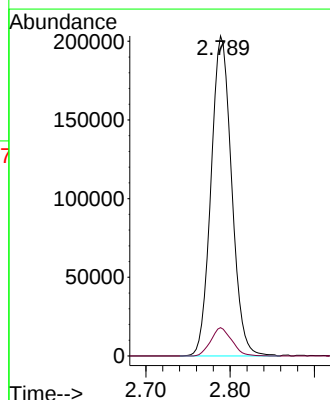
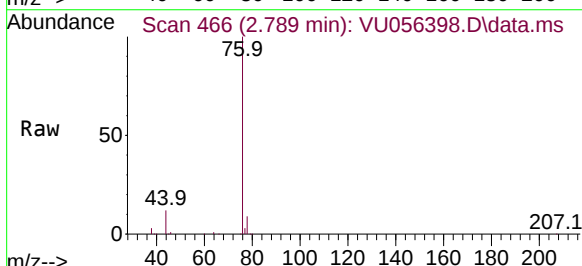
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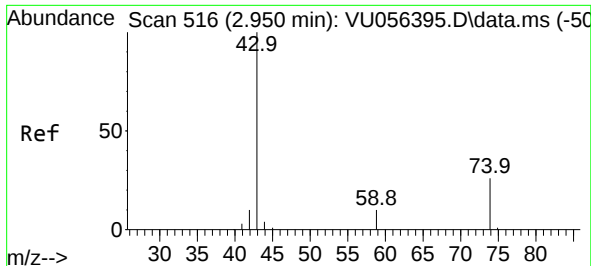
Tgt Ion: 76 Resp: 345828

Ion Ratio Lower Upper

76 100

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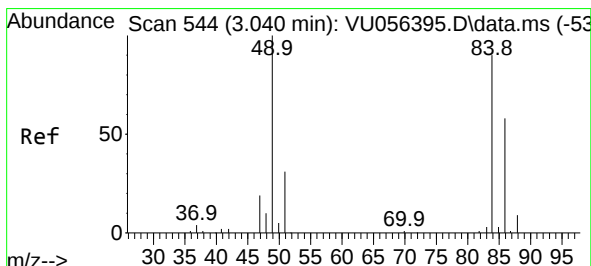
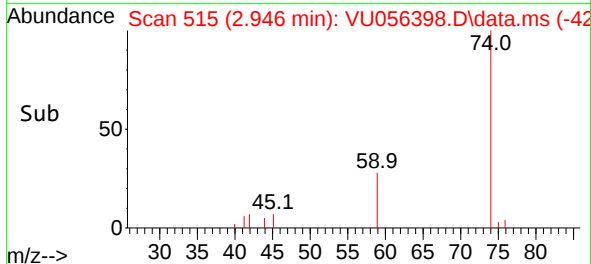
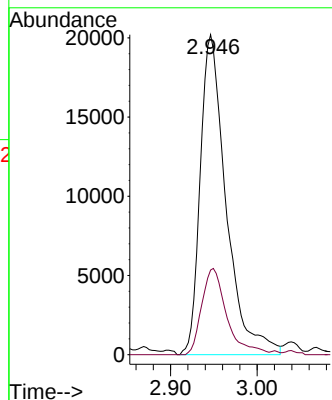
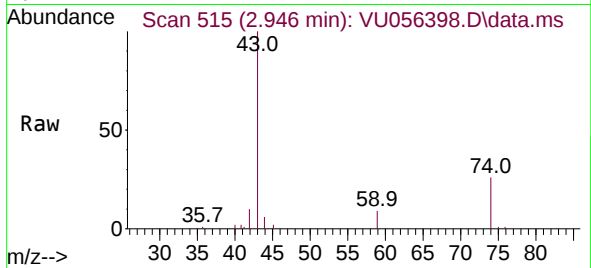




#15
Methyl Acetate
Concen: 5.150 ug/L
RT: 2.946 min Scan# 516
Delta R.T. -0.003 min
Lab File: VU056398.D
Acq: 16 Nov 2023 11:28

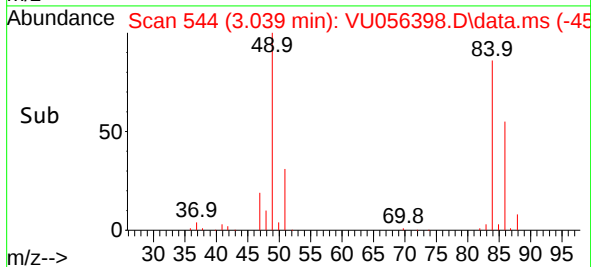
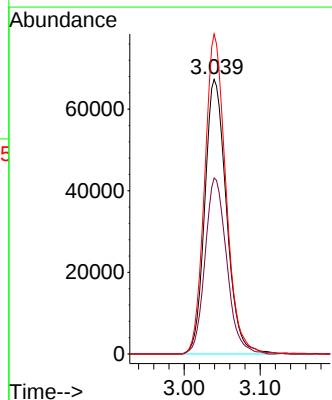
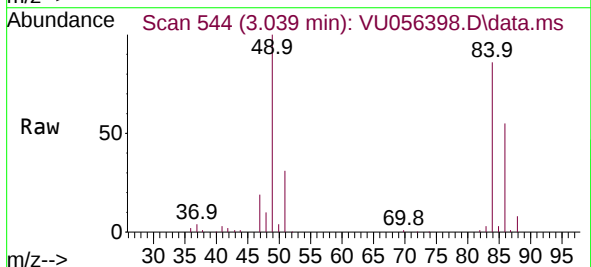
Instrument :
MSVOA_U
ClientSampleId :

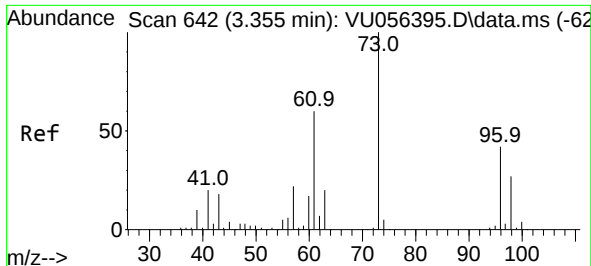
Tgt Ion: 43 Resp: 41982
Ion Ratio Lower Upper
43 100
74 26.0 20.6 31.0



#16
Methylene chloride
Concen: 4.553 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU056398.D
Acq: 16 Nov 2023 11:28

Tgt Ion: 84 Resp: 132997
Ion Ratio Lower Upper
84 100
86 64.1 44.7 83.1
49 116.5 81.8 152.0

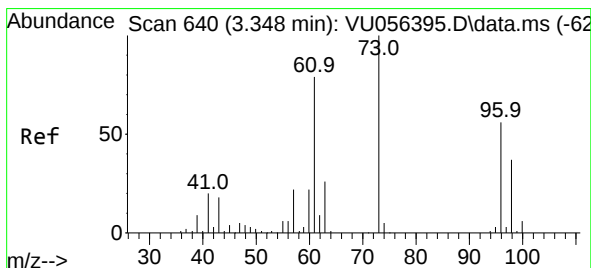
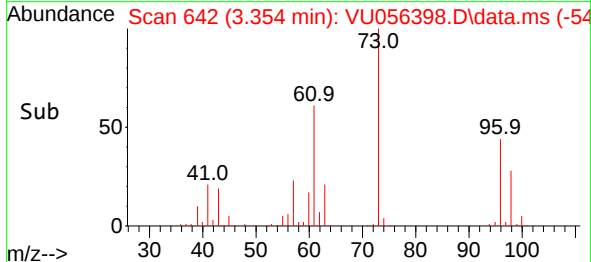
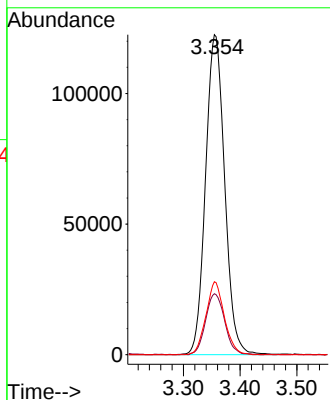
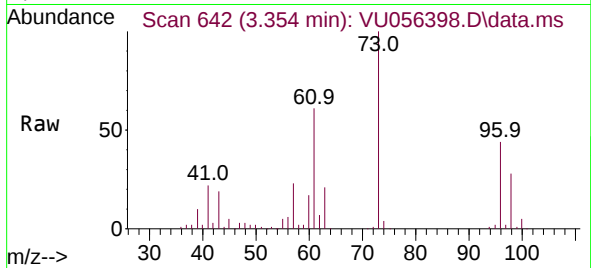




#17
Methyl tert-butyl Ether
Concen: 5.359 ug/L
RT: 3.354 min Scan# 642
Delta R.T. -0.000 min
Lab File: VU056398.D
Acq: 16 Nov 2023 11:28

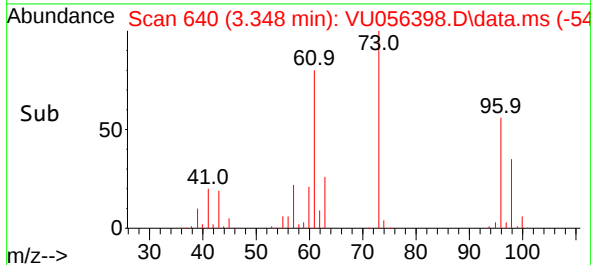
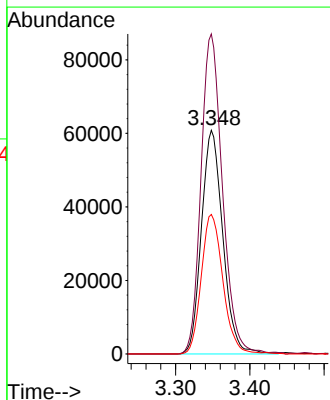
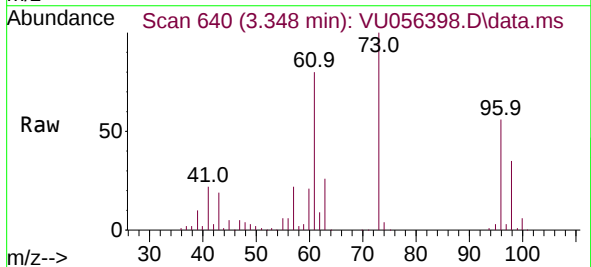
Instrument :
MSVOA_U
ClientSampleId :

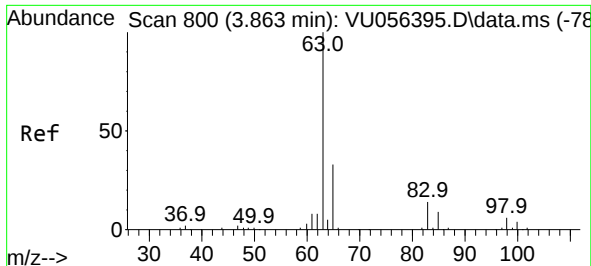
Tgt Ion: 73 Resp: 287415
Ion Ratio Lower Upper
73 100
43 19.1 15.1 22.7
57 21.9 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 5.362 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU056398.D
Acq: 16 Nov 2023 11:28

Tgt Ion: 96 Resp: 121778
Ion Ratio Lower Upper
96 100
61 143.1 101.7 188.9
98 62.4 43.0 80.0





#19

1,1-Dichloroethane

Concen: 5.458 ug/L

RT: 3.862 min Scan# 80

Delta R.T. -0.000 min

Lab File: VU056398.D

Acq: 16 Nov 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

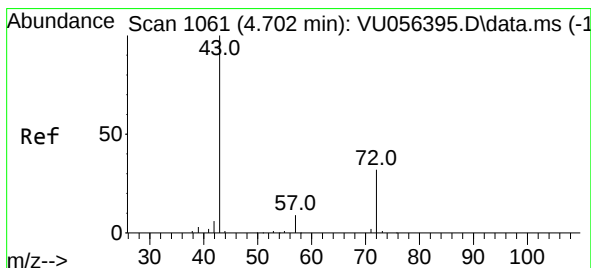
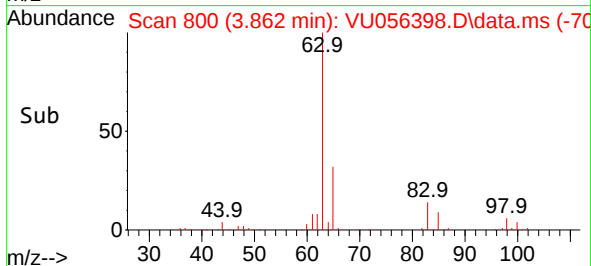
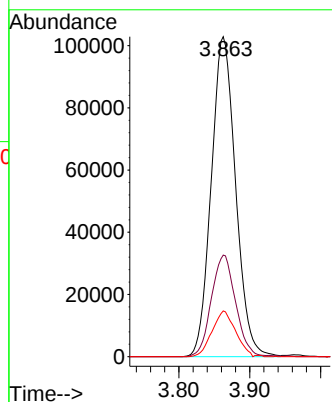
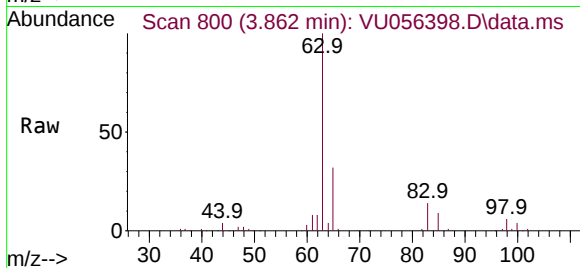
Tgt Ion: 63 Resp: 245560

Ion Ratio Lower Upper

63 100

65 31.7 21.8 40.6

83 14.3 9.7 17.9



#21

2-Butanone

Concen: 44.014 ug/L

RT: 4.695 min Scan# 1059

Delta R.T. -0.007 min

Lab File: VU056398.D

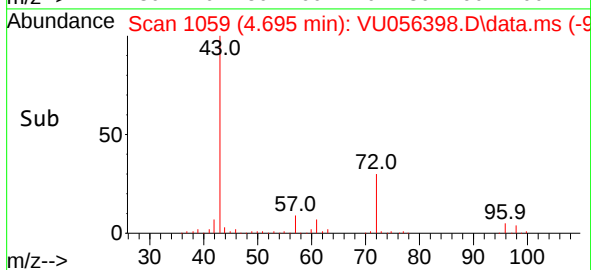
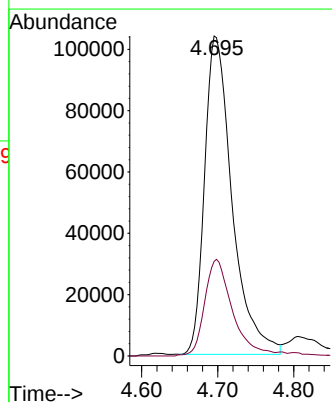
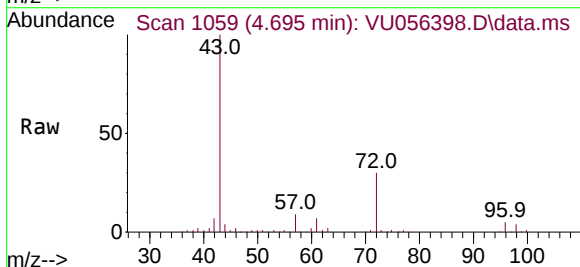
Acq: 16 Nov 2023 11:28

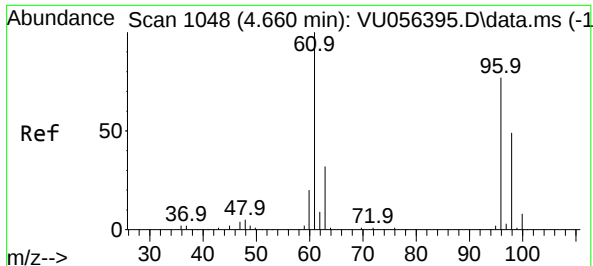
Tgt Ion: 43 Resp: 261607

Ion Ratio Lower Upper

43 100

72 30.4 14.2 42.6





#22

cis-1,2-Dichloroethene

Concen: 5.408 ug/L

RT: 4.660 min Scan# 1048

Delta R.T. -0.000 min

Lab File: VU056398.D

Acq: 16 Nov 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

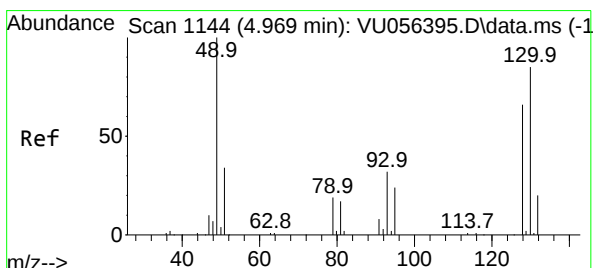
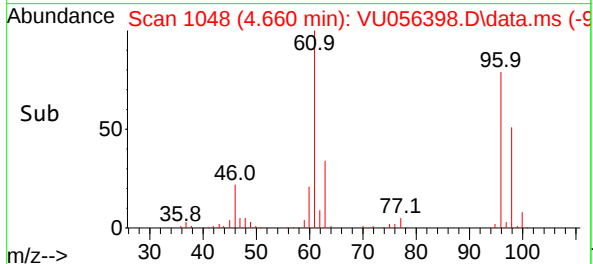
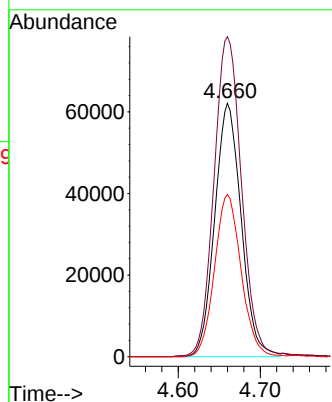
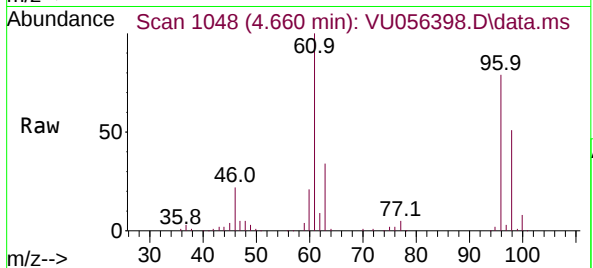
Tgt Ion: 96 Resp: 139290

Ion Ratio Lower Upper

96 100

61 126.2 93.2 173.2

98 64.0 44.8 83.2



#23

Bromochloromethane

Concen: 5.489 ug/L

RT: 4.969 min Scan# 1144

Delta R.T. -0.000 min

Lab File: VU056398.D

Acq: 16 Nov 2023 11:28

Tgt Ion:128 Resp: 58192

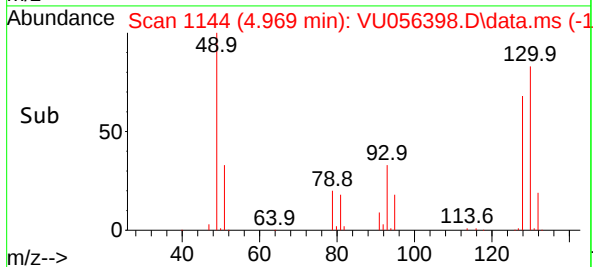
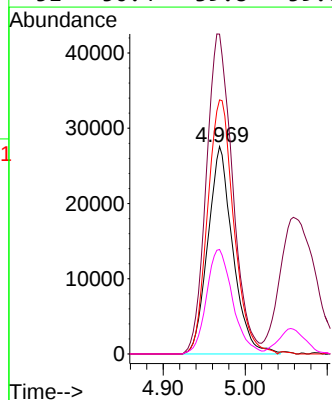
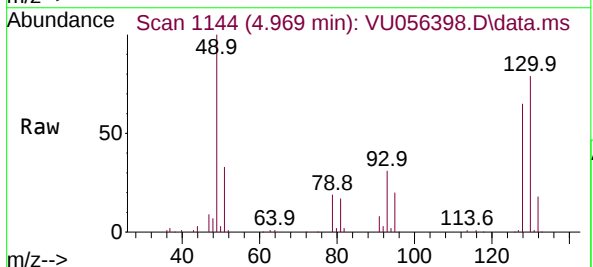
Ion Ratio Lower Upper

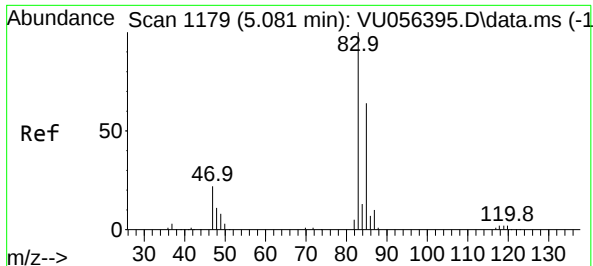
128 100

49 154.2 113.4 210.6

130 122.5 84.8 157.6

51 50.4 39.8 59.6





#25

Chloroform

Concen: 5.424 ug/L

RT: 5.081 min Scan# 1179

Delta R.T. -0.000 min

Lab File: VU056398.D

Acq: 16 Nov 2023 11:28

Instrument :

MSVOA_U

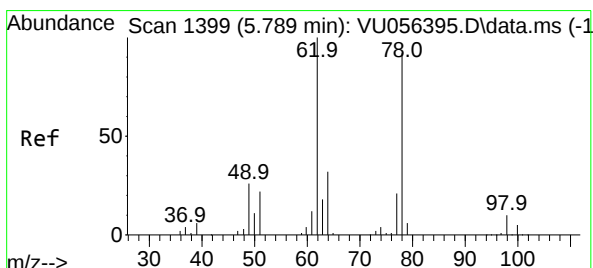
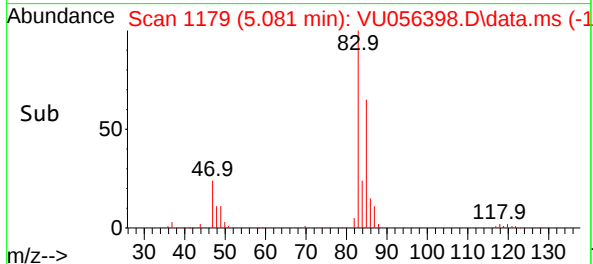
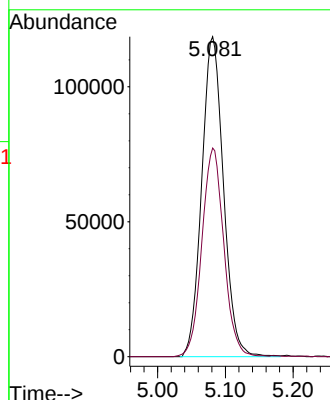
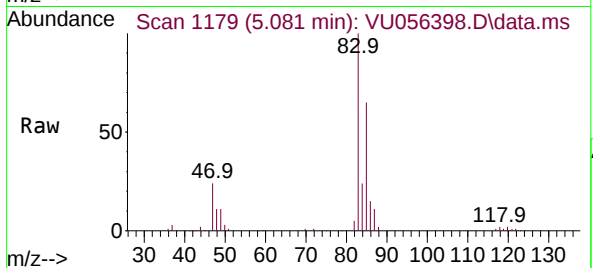
ClientSampleId :

Tgt Ion: 83 Resp: 264401

Ion Ratio Lower Upper

83 100

85 65.2 47.0 87.2



#27

1,2-Dichloroethane

Concen: 5.577 ug/L

RT: 5.788 min Scan# 1399

Delta R.T. -0.000 min

Lab File: VU056398.D

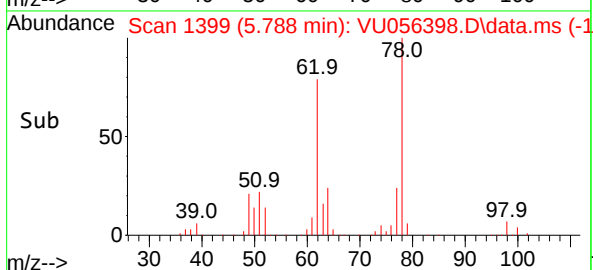
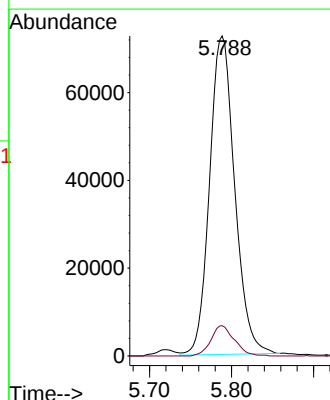
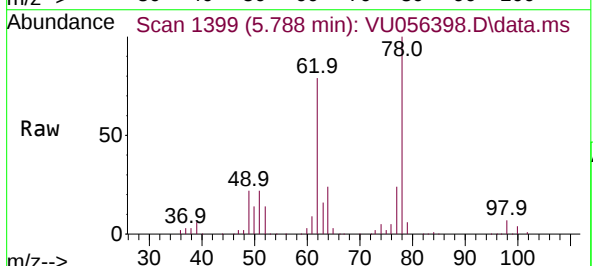
Acq: 16 Nov 2023 11:28

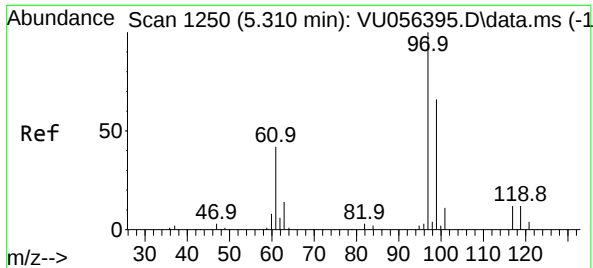
Tgt Ion: 62 Resp: 154331

Ion Ratio Lower Upper

62 100

98 9.5 6.6 10.0





#29

1,1,1-Trichloroethane

Concen: 5.606 ug/L

RT: 5.309 min Scan# 1250

Delta R.T. -0.000 min

Lab File: VU056398.D

Acq: 16 Nov 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

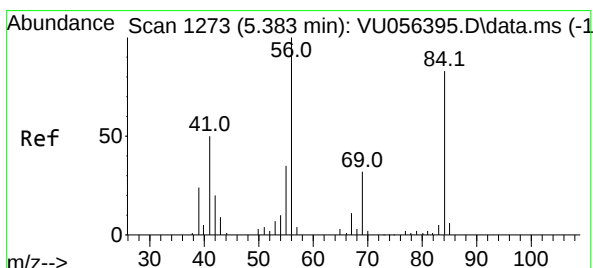
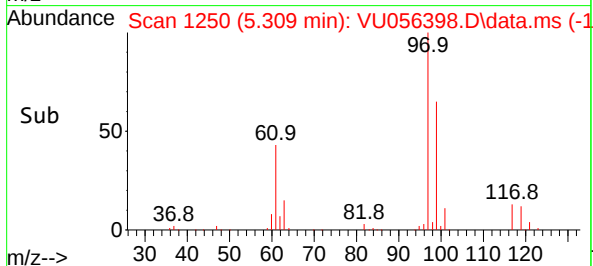
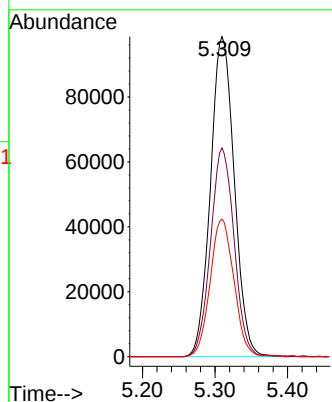
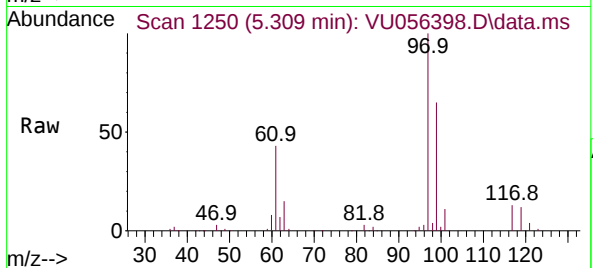
Tgt Ion: 97 Resp: 225409

Ion Ratio Lower Upper

97 100

99 64.5 51.6 77.4

61 42.8 34.3 51.5



#30

Cyclohexane

Concen: 5.107 ug/L

RT: 5.383 min Scan# 1273

Delta R.T. -0.000 min

Lab File: VU056398.D

Acq: 16 Nov 2023 11:28

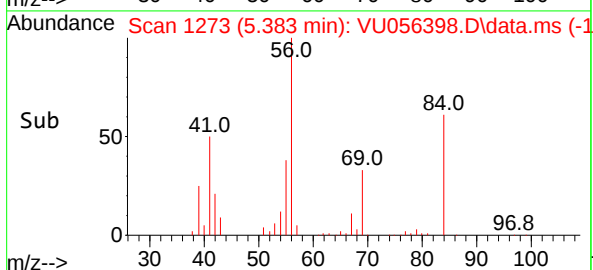
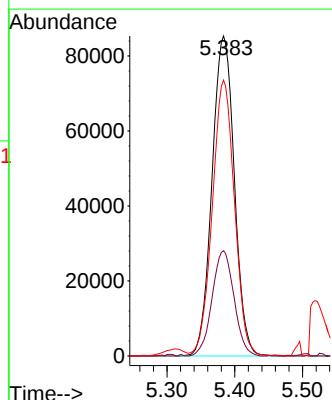
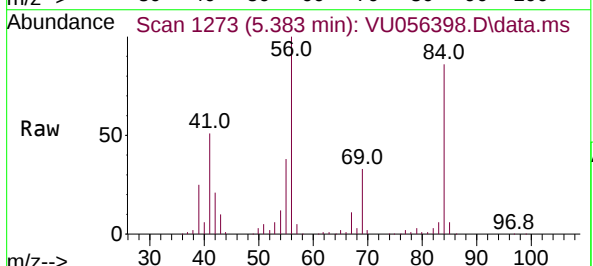
Tgt Ion: 56 Resp: 194922

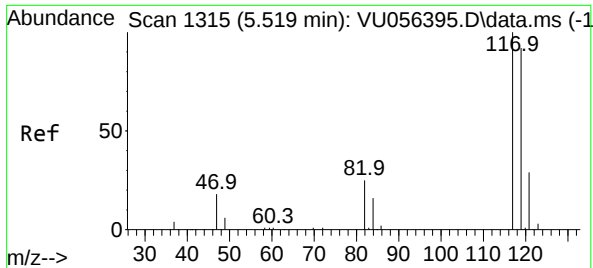
Ion Ratio Lower Upper

56 100

69 32.4 25.4 38.2

84 85.3 68.6 103.0

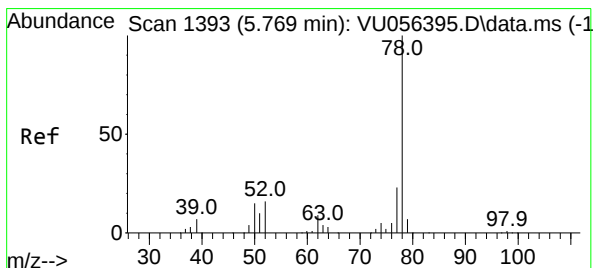
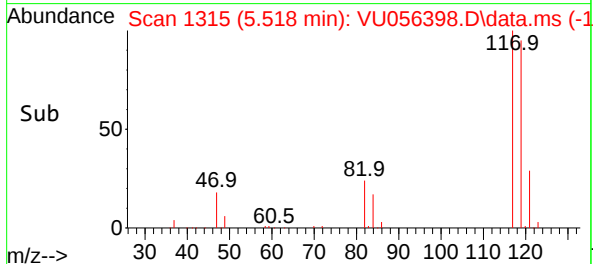
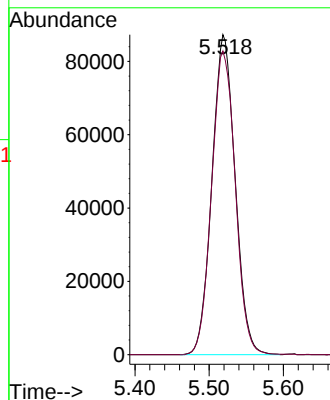
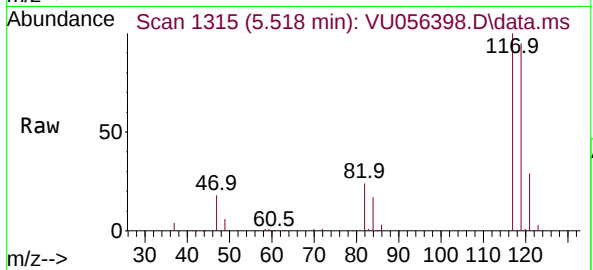




#31
Carbon tetrachloride
Concen: 5.473 ug/L
RT: 5.518 min Scan# 1315
Delta R.T. -0.000 min
Lab File: VU056398.D
Acq: 16 Nov 2023 11:28

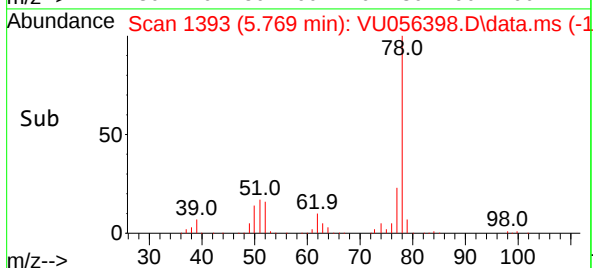
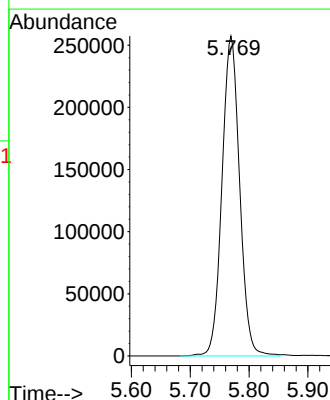
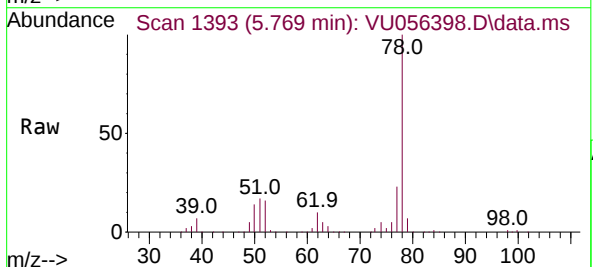
Instrument :
MSVOA_U
ClientSampleId :

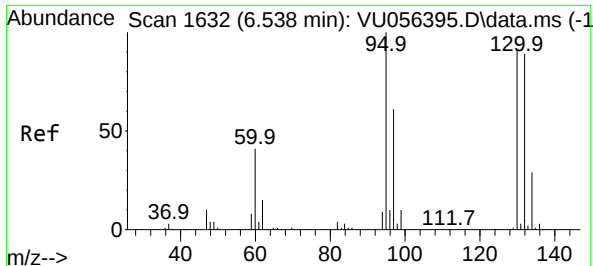
Tgt Ion:117 Resp: 189020
Ion Ratio Lower Upper
117 100
119 96.9 78.1 117.1



#33
Benzene
Concen: 5.362 ug/L
RT: 5.769 min Scan# 1393
Delta R.T. -0.000 min
Lab File: VU056398.D
Acq: 16 Nov 2023 11:28

Tgt Ion: 78 Resp: 536000





#34

Trichloroethene

Concen: 6.109 ug/L

RT: 6.538 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU056398.D

Acq: 16 Nov 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion: 95 Resp: 166369

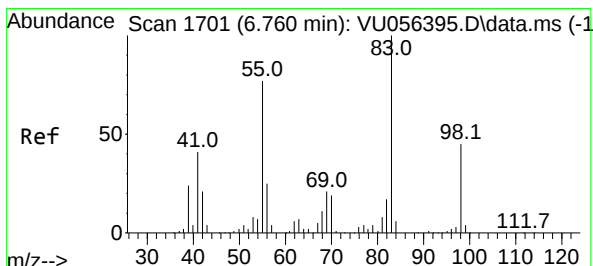
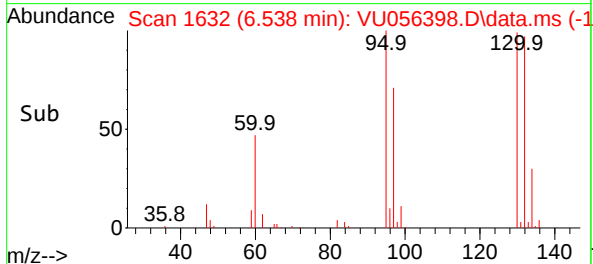
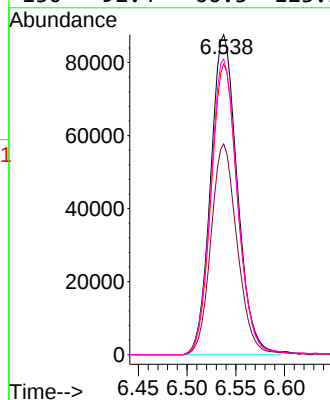
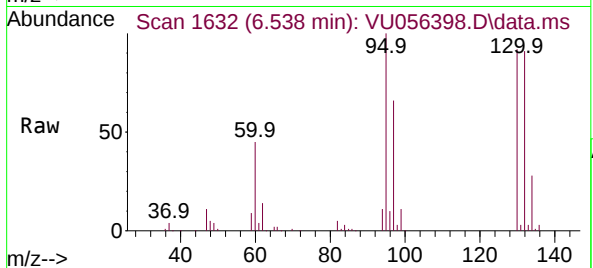
Ion Ratio Lower Upper

95 100

97 65.9 46.5 86.3

132 90.8 62.0 115.2

130 92.4 66.3 123.1



#35

Methylcyclohexane

Concen: 5.155 ug/L

RT: 6.759 min Scan# 1701

Delta R.T. -0.000 min

Lab File: VU056398.D

Acq: 16 Nov 2023 11:28

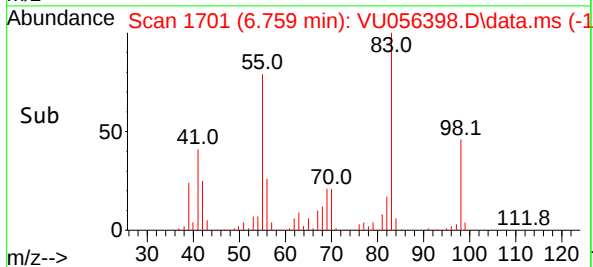
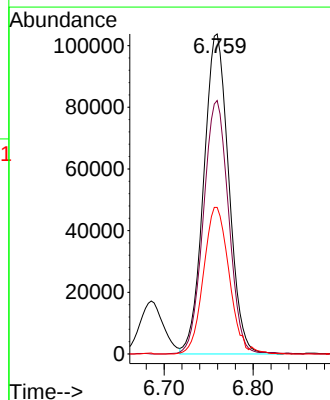
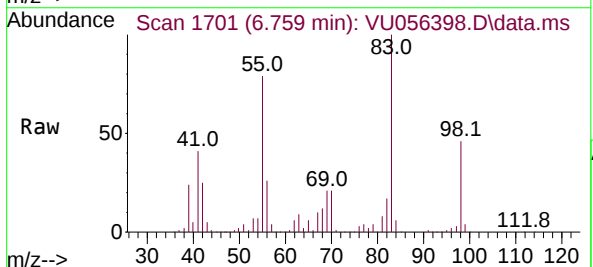
Tgt Ion: 83 Resp: 202667

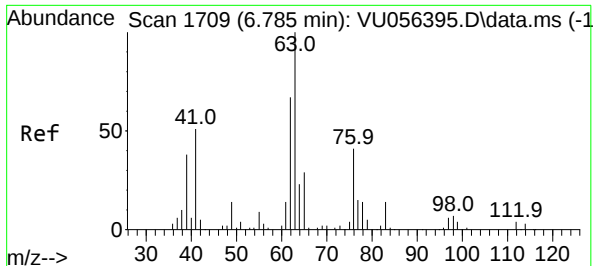
Ion Ratio Lower Upper

83 100

55 79.8 62.9 94.3

98 46.3 35.3 52.9

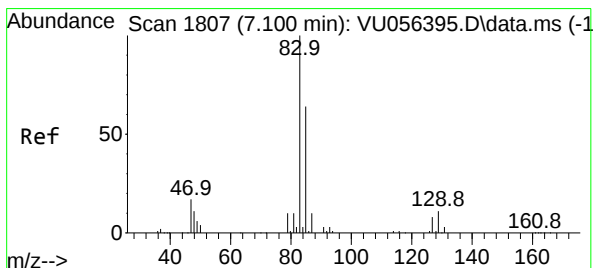
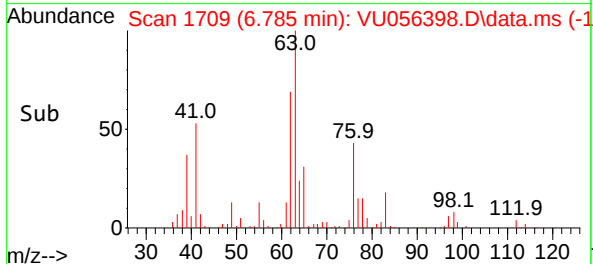
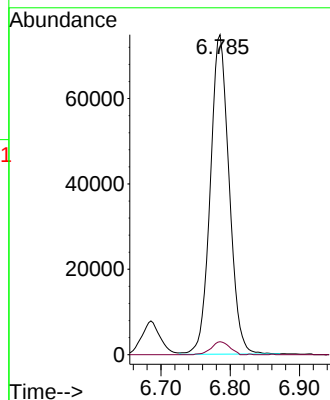
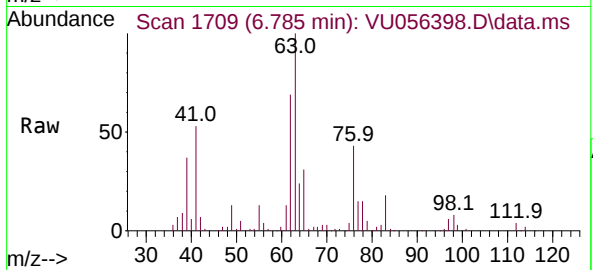




#37
1,2-Dichloropropane
Concen: 5.410 ug/L
RT: 6.785 min Scan# 1709
Delta R.T. -0.000 min
Lab File: VU056398.D
Acq: 16 Nov 2023 11:28

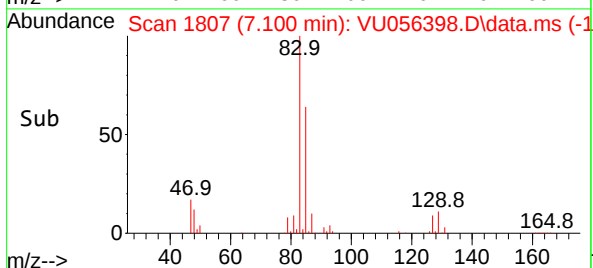
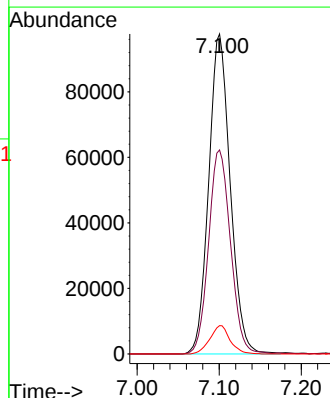
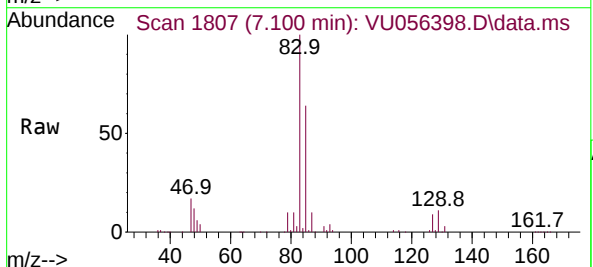
Instrument :
MSVOA_U
ClientSampleId :

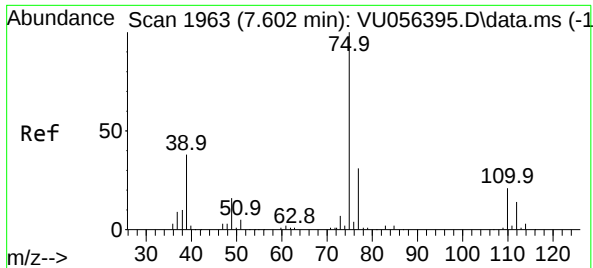
Tgt Ion: 63 Resp: 141024
Ion Ratio Lower Upper
63 100
112 4.0 3.2 4.8



#38
Bromodichloromethane
Concen: 5.297 ug/L
RT: 7.100 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VU056398.D
Acq: 16 Nov 2023 11:28

Tgt Ion: 83 Resp: 178266
Ion Ratio Lower Upper
83 100
85 63.8 44.9 83.5
127 8.8 6.9 10.3





#39

cis-1,3-Dichloropropene

Concen: 5.354 ug/L

RT: 7.602 min Scan# 1963

Delta R.T. -0.000 min

Lab File: VU056398.D

Acq: 16 Nov 2023 11:28

Instrument :

MSVOA_U

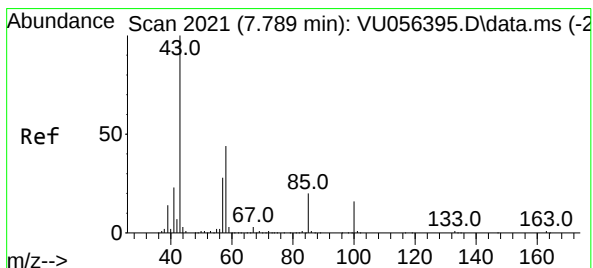
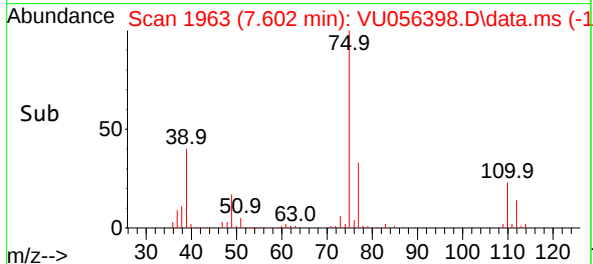
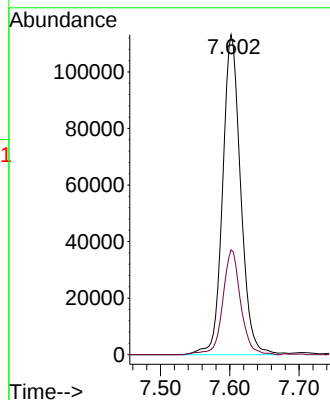
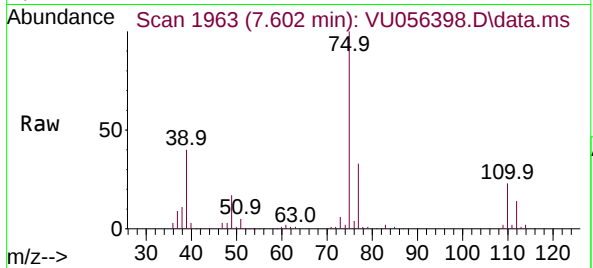
ClientSampleId :

Tgt Ion: 75 Resp: 205058

Ion Ratio Lower Upper

75 100

77 32.7 21.5 39.9



#40

4-Methyl-2-pentanone

Concen: 53.774 ug/L

RT: 7.785 min Scan# 2020

Delta R.T. -0.003 min

Lab File: VU056398.D

Acq: 16 Nov 2023 11:28

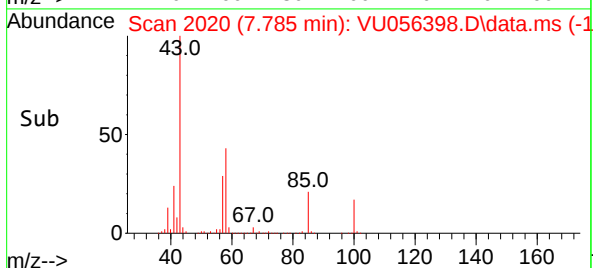
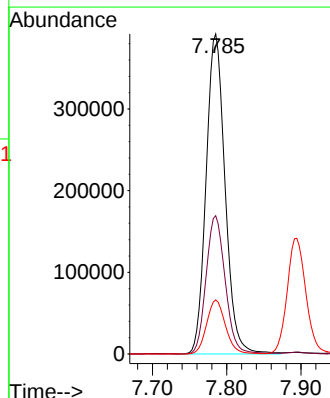
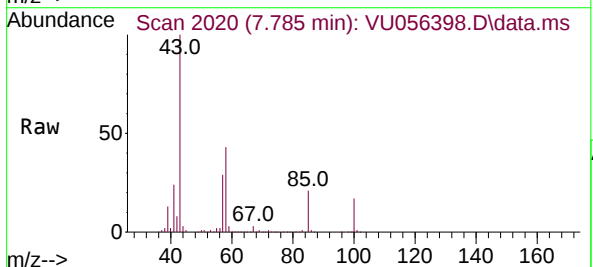
Tgt Ion: 43 Resp: 694832

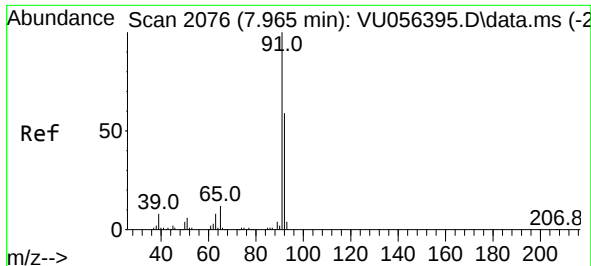
Ion Ratio Lower Upper

43 100

58 43.5 33.8 50.8

100 16.8 13.0 19.4





#42

Toluene

Concen: 5.521 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU056398.D

Acq: 16 Nov 2023 11:28

Instrument :

MSVOA_U

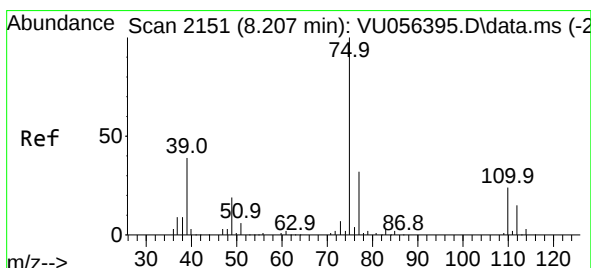
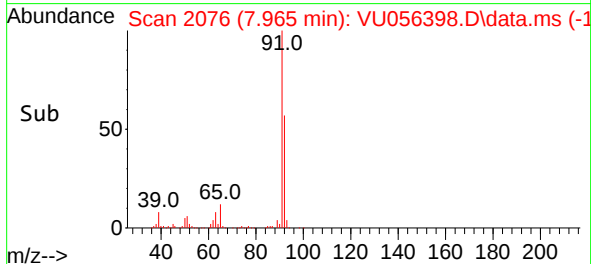
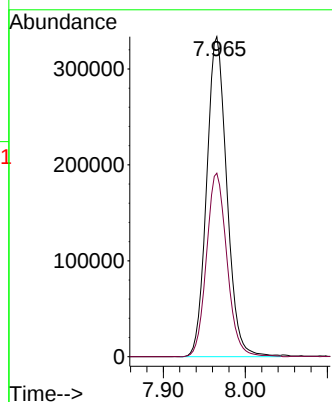
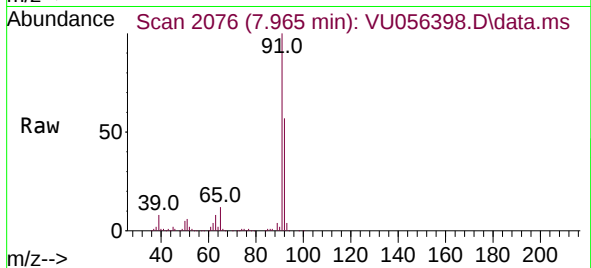
ClientSampleId :

Tgt Ion: 91 Resp: 571367

Ion Ratio Lower Upper

91 100

92 57.3 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 5.440 ug/L

RT: 8.203 min Scan# 2150

Delta R.T. -0.003 min

Lab File: VU056398.D

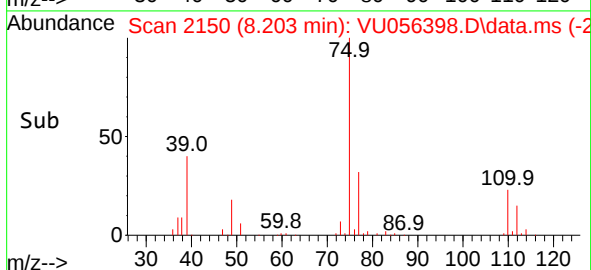
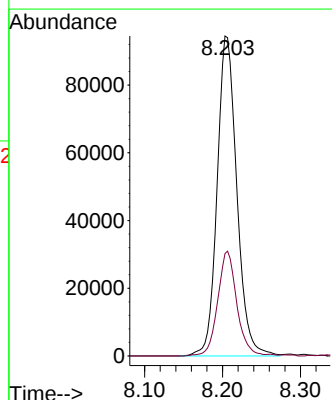
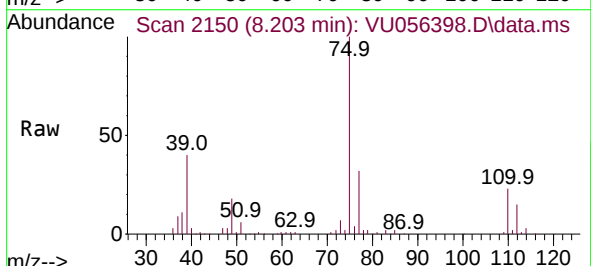
Acq: 16 Nov 2023 11:28

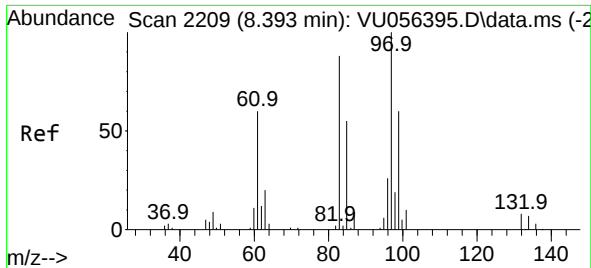
Tgt Ion: 75 Resp: 166114

Ion Ratio Lower Upper

75 100

77 32.0 22.8 42.4

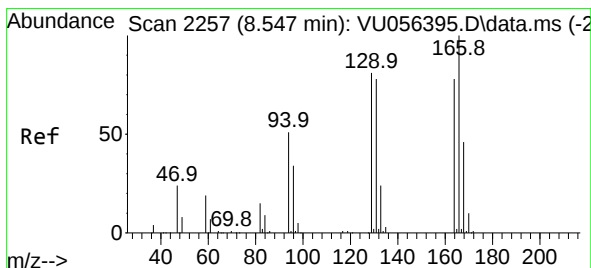
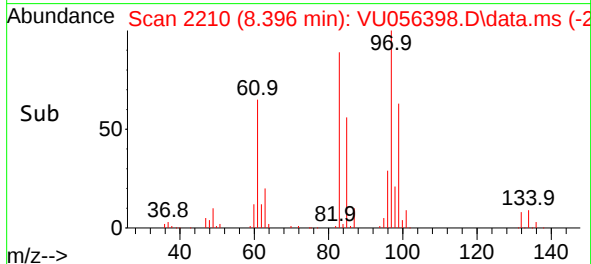
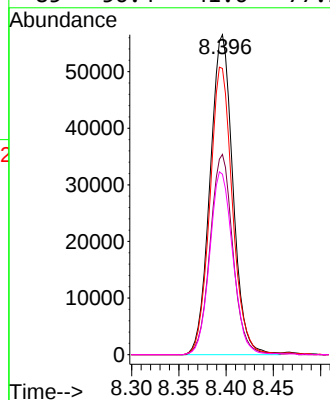
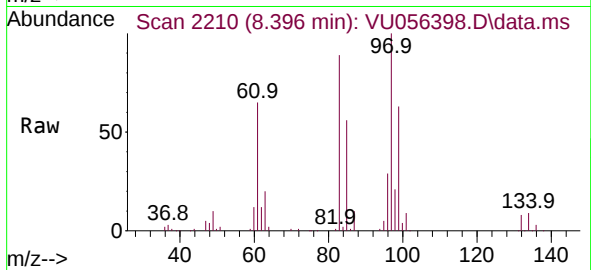




#45
1,1,2-Trichloroethane
Concen: 5.486 ug/L
RT: 8.396 min Scan# 2210
Delta R.T. 0.003 min
Lab File: VU056398.D
Acq: 16 Nov 2023 11:28

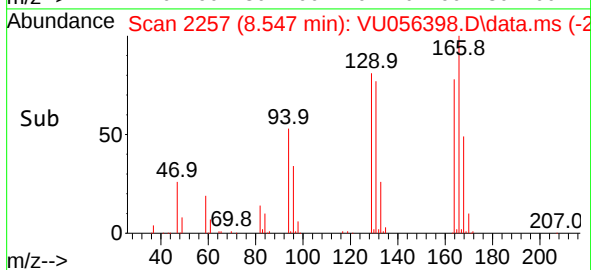
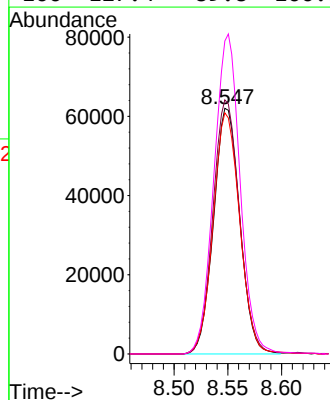
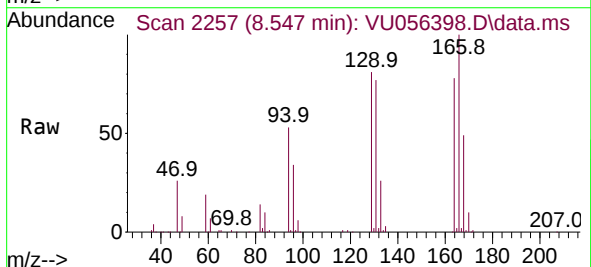
Instrument :
MSVOA_U
ClientSampleId :

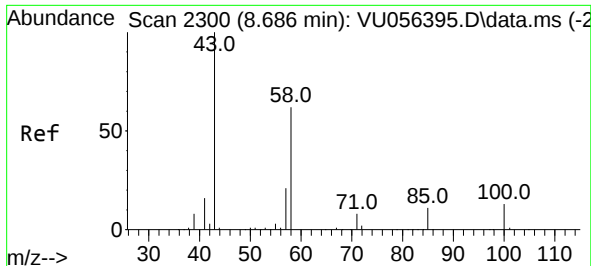
Tgt Ion: 97	Resp: 95239
Ion Ratio	Lower Upper
97 100	
99 62.6	44.3 82.3
83 89.4	65.4 121.4
85 56.4	41.6 77.3



#47
Tetrachloroethene
Concen: 5.731 ug/L
RT: 8.547 min Scan# 2257
Delta R.T. -0.000 min
Lab File: VU056398.D
Acq: 16 Nov 2023 11:28

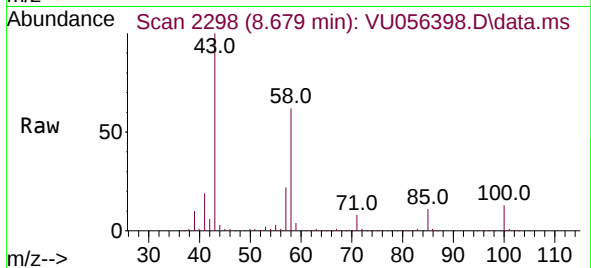
Tgt	Ion:164	Resp:	105240
Ion	Ratio	Lower	Upper
164	100		
129	103.5	71.0	131.9
131	98.2	70.3	130.7
166	127.4	89.8	166.8



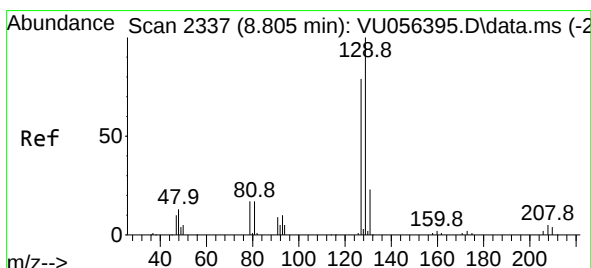
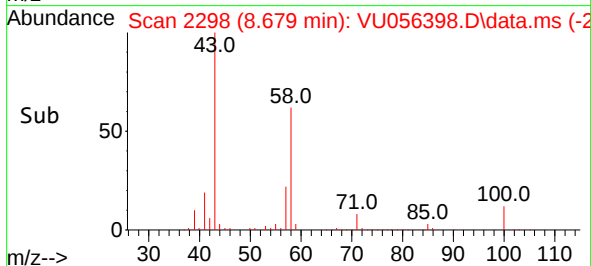
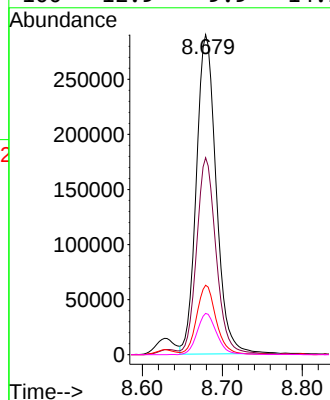


#48
2-Hexanone
Concen: 49.832 ug/L
RT: 8.679 min Scan# 21
Delta R.T. -0.007 min
Lab File: VU056398.D
Acq: 16 Nov 2023 11:28

Instrument :
MSVOA_U
ClientSampleId :

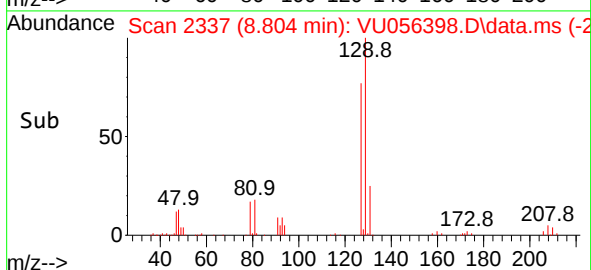
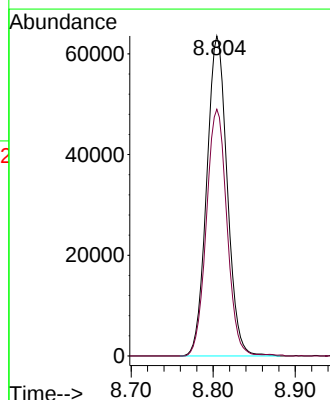
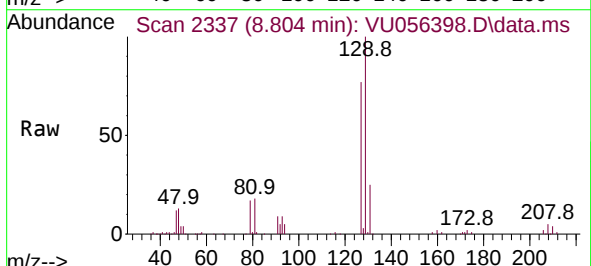


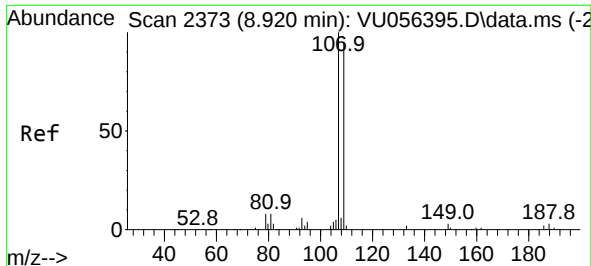
Tgt Ion:	43	58	57	100
Resp:	501623	60.4	21.0	12.9
Lower		48.7	16.8	9.9
Upper		73.1	25.2	14.9



#49
Dibromochloromethane
Concen: 5.592 ug/L
RT: 8.804 min Scan# 2337
Delta R.T. -0.000 min
Lab File: VU056398.D
Acq: 16 Nov 2023 11:28

Tgt Ion:	129	127
Resp:	110390	77.1
Lower		52.9
Upper		98.3





#50

1,2-Dibromoethane

Concen: 5.408 ug/L

RT: 8.920 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU056398.D

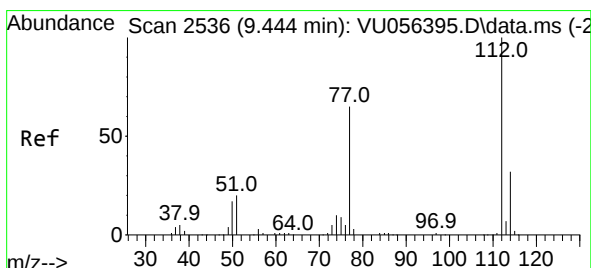
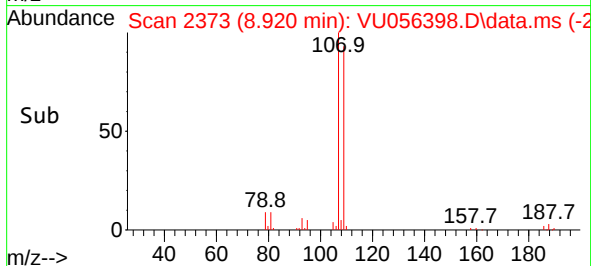
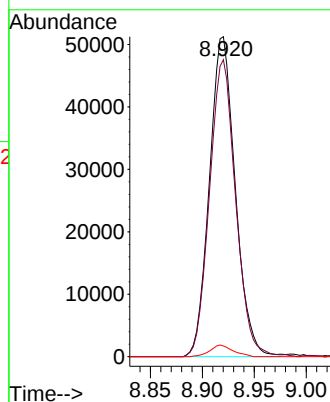
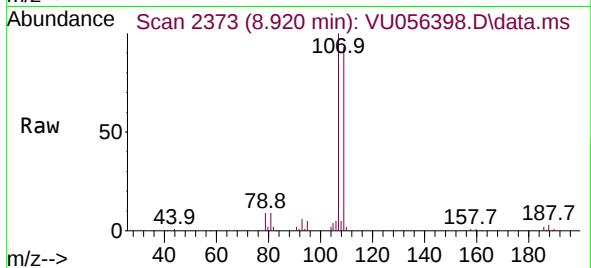
Acq: 16 Nov 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:	107	Resp:	88628
Ion	Ratio	Lower	Upper
107	100		
109	92.8	64.2	119.2
188	3.4	2.6	4.0



#51

Chlorobenzene

Concen: 5.451 ug/L

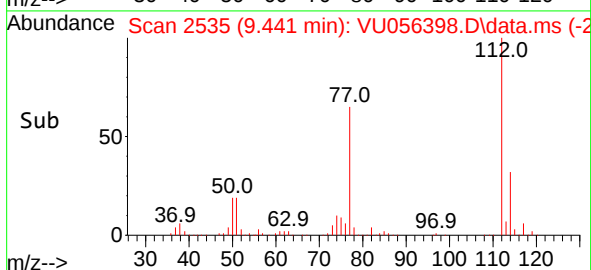
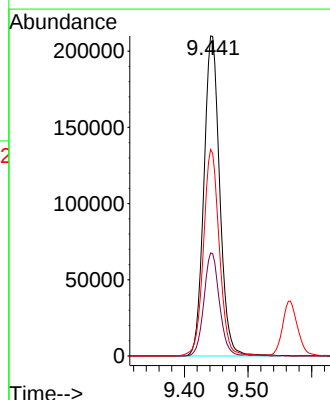
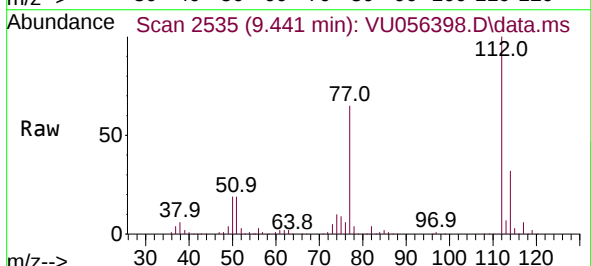
RT: 9.441 min Scan# 2535

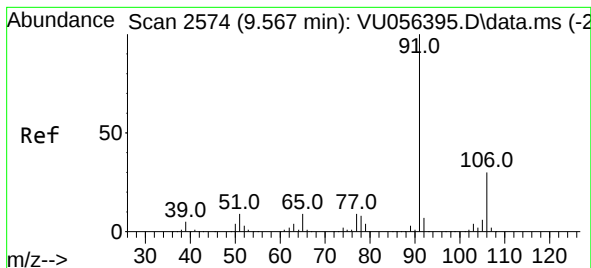
Delta R.T. -0.003 min

Lab File: VU056398.D

Acq: 16 Nov 2023 11:28

Tgt Ion:	112	Resp:	362485
Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.5	41.7
77	64.6	51.7	77.5





#52

Ethylbenzene

Concen: 5.532 ug/L

RT: 9.566 min Scan# 21

Delta R.T. -0.000 min

Lab File: VU056398.D

Acq: 16 Nov 2023 11:28

Instrument :

MSVOA_U

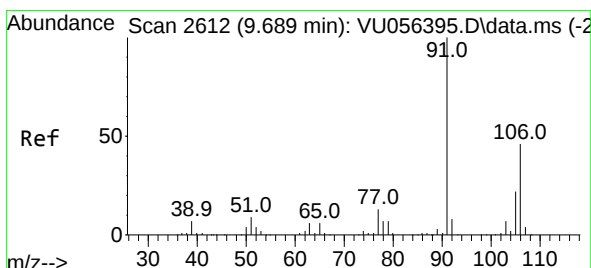
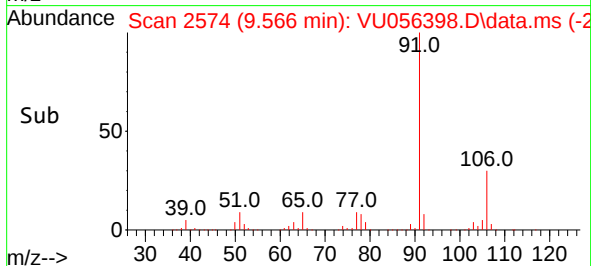
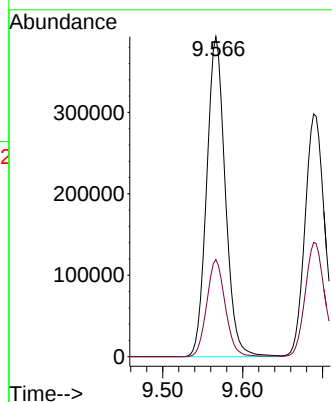
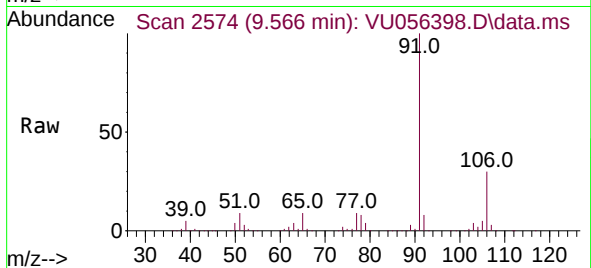
ClientSampleId :

Tgt Ion: 91 Resp: 635661

Ion Ratio Lower Upper

91 100

106 30.3 21.1 39.1



#53

m,p-Xylene

Concen: 5.754 ug/L

RT: 9.689 min Scan# 2612

Delta R.T. -0.000 min

Lab File: VU056398.D

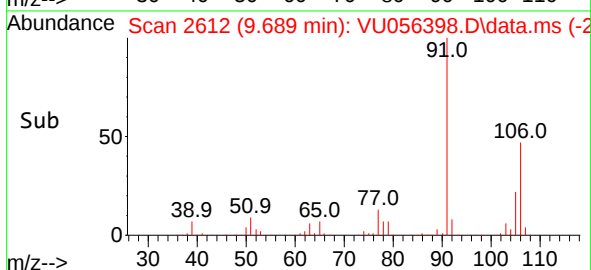
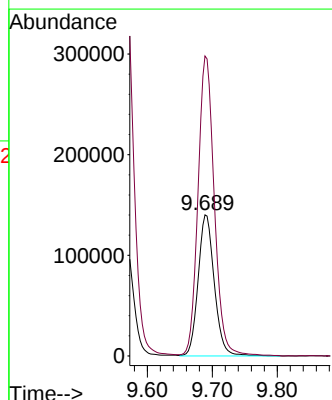
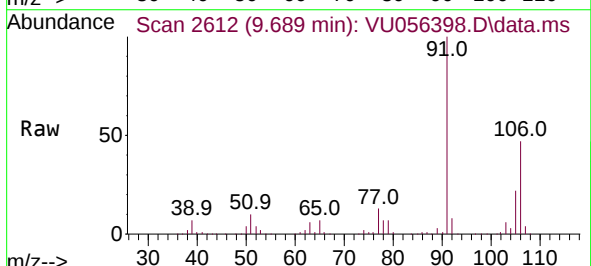
Acq: 16 Nov 2023 11:28

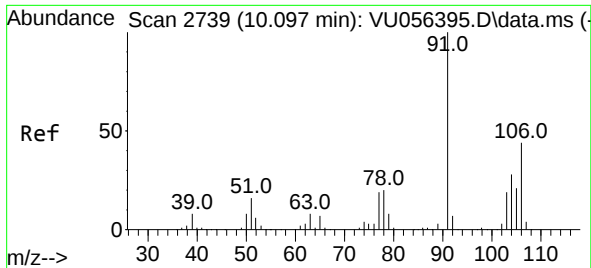
Tgt Ion:106 Resp: 243077

Ion Ratio Lower Upper

106 100

91 212.6 149.6 277.8

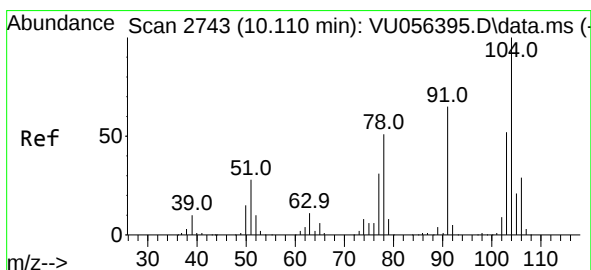
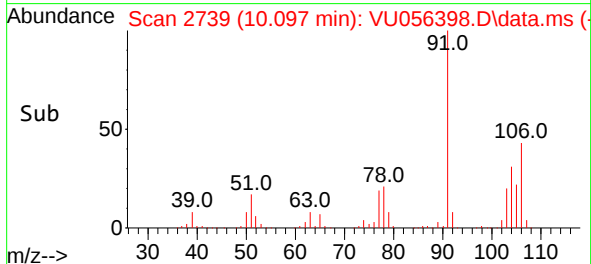
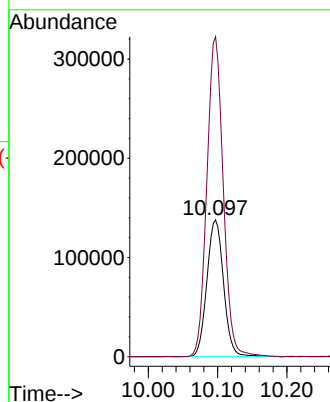
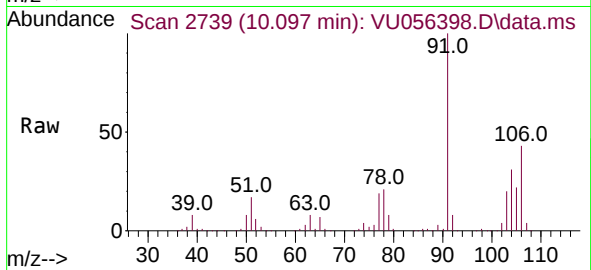




#54
o-Xylene
Concen: 5.604 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU056398.D
Acq: 16 Nov 2023 11:28

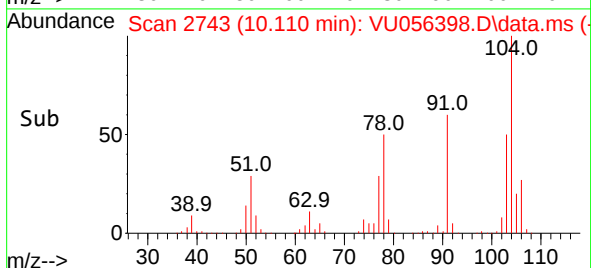
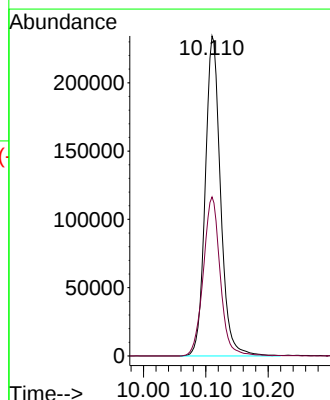
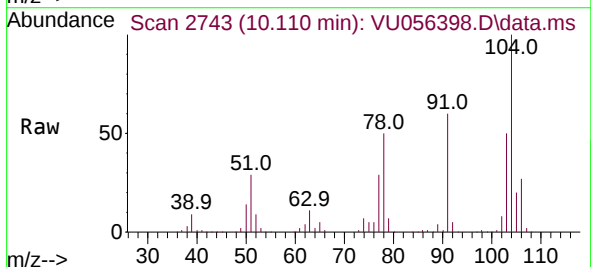
Instrument :
MSVOA_U
ClientSampleId :

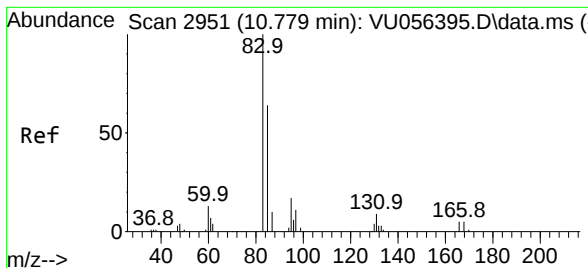
Tgt Ion:106 Resp: 229954
Ion Ratio Lower Upper
106 100
91 234.0 159.3 295.9



#55
Styrene
Concen: 5.871 ug/L
RT: 10.110 min Scan# 2743
Delta R.T. -0.000 min
Lab File: VU056398.D
Acq: 16 Nov 2023 11:28

Tgt Ion:104 Resp: 400750
Ion Ratio Lower Upper
104 100
78 49.7 34.2 63.6





#57

1,1,2,2-Tetrachloroethane

Concen: 5.547 ug/L

RT: 10.775 min Scan# 2950

Delta R.T. -0.003 min

Lab File: VU056398.D

Acq: 16 Nov 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

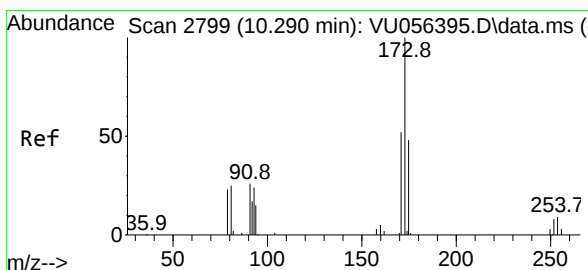
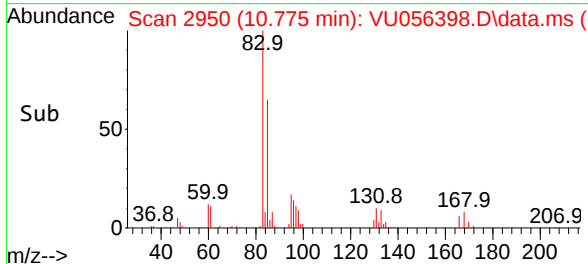
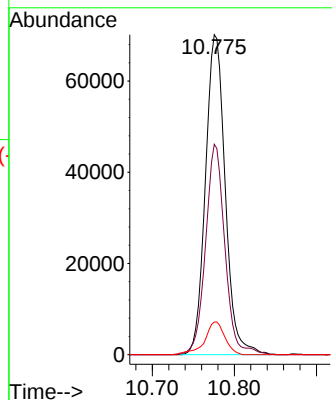
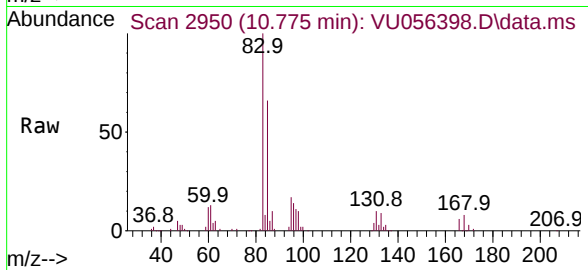
Tgt Ion: 83 Resp: 117581

Ion Ratio Lower Upper

83 100

85 65.8 46.3 86.1

131 10.2 6.7 10.1#



#59

Bromoform

Concen: 5.663 ug/L

RT: 10.287 min Scan# 2798

Delta R.T. -0.003 min

Lab File: VU056398.D

Acq: 16 Nov 2023 11:28

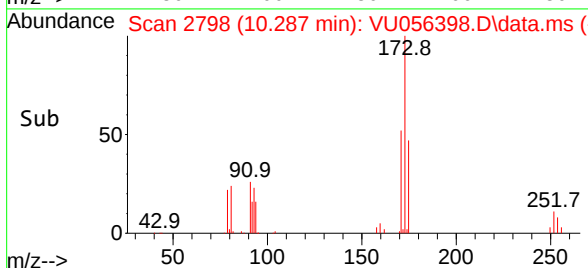
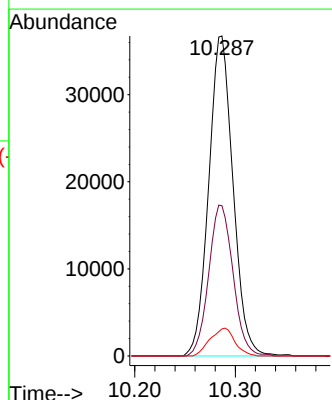
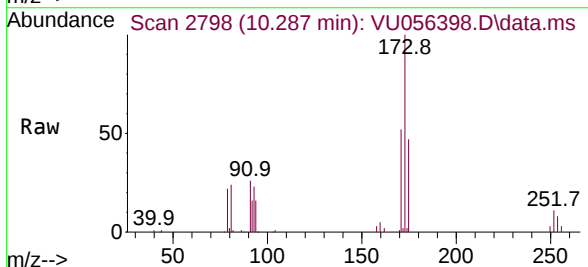
Tgt Ion:173 Resp: 61585

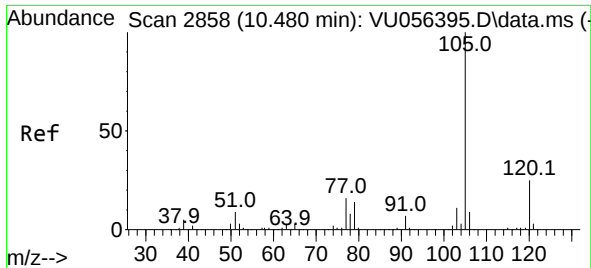
Ion Ratio Lower Upper

173 100

175 47.2 38.9 58.3

254 8.8 6.7 10.1

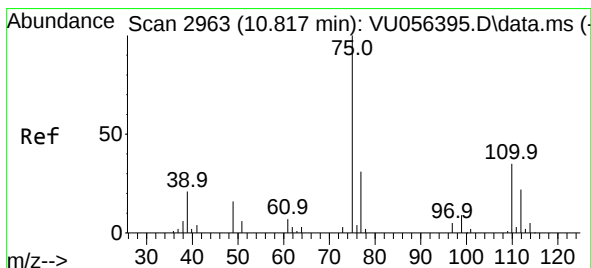
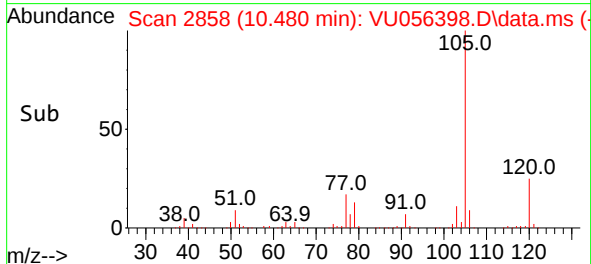
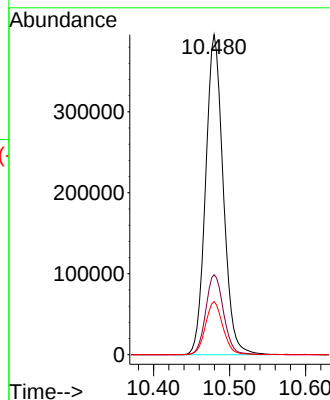
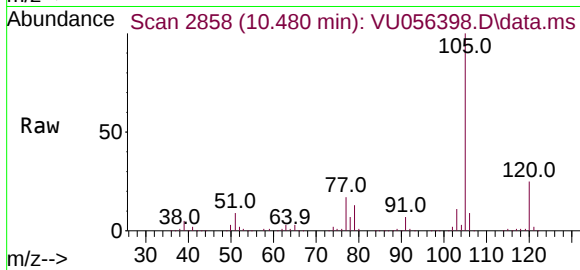




#60
Isopropylbenzene
Concen: 5.639 ug/L
RT: 10.480 min Scan# 2858
Delta R.T. -0.000 min
Lab File: VU056398.D
Acq: 16 Nov 2023 11:28

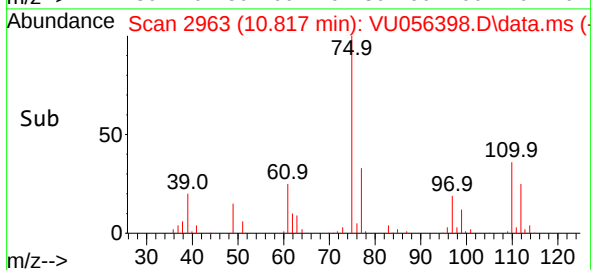
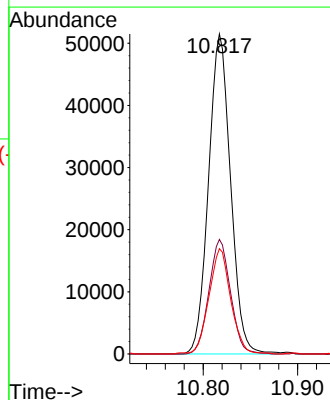
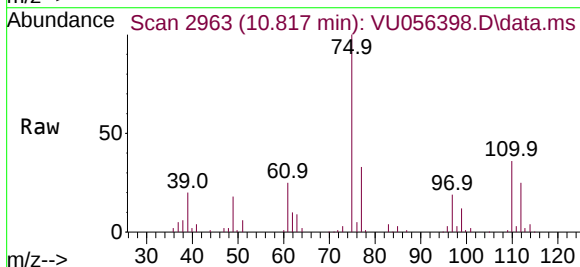
Instrument :
MSVOA_U
ClientSampleId :

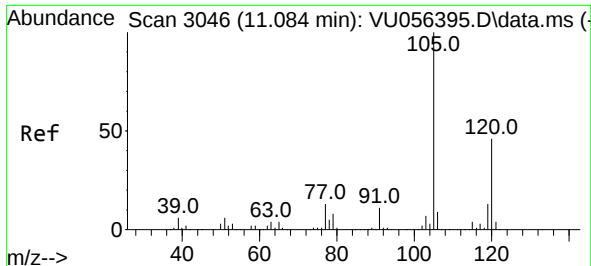
Tgt Ion:105 Resp: 634909
Ion Ratio Lower Upper
105 100
120 25.3 20.4 30.6
77 16.5 13.3 19.9



#61
1,2,3-Trichloropropane
Concen: 5.559 ug/L
RT: 10.817 min Scan# 2963
Delta R.T. -0.000 min
Lab File: VU056398.D
Acq: 16 Nov 2023 11:28

Tgt Ion: 75 Resp: 83272
Ion Ratio Lower Upper
75 100
110 35.0 30.4 45.6
77 32.6 27.0 40.6





#62

1,3,5-Trimethylbenzene

Concen: 5.665 ug/L

RT: 11.084 min Scan# 3046

Delta R.T. -0.000 min

Lab File: VU056398.D

Acq: 16 Nov 2023 11:28

Instrument :

MSVOA_U

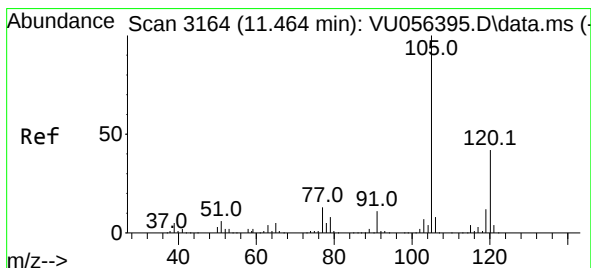
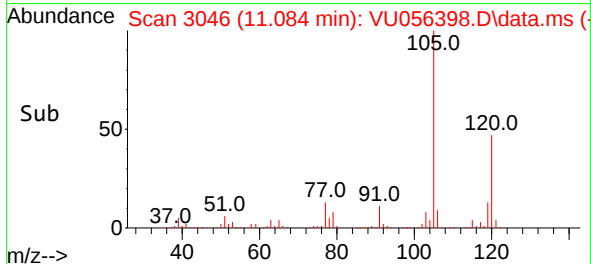
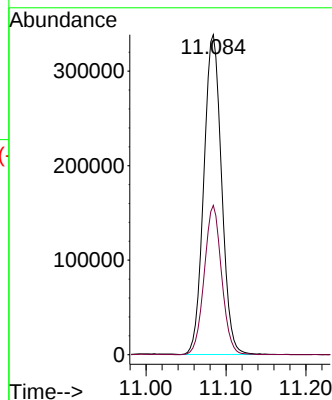
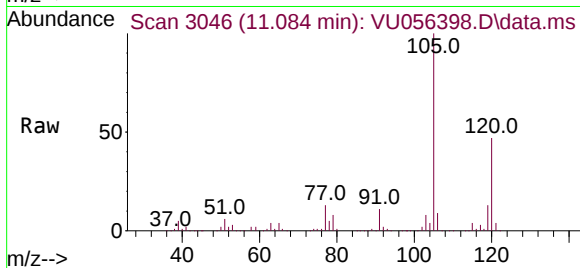
ClientSampleId :

Tgt Ion:105 Resp: 523697

Ion Ratio Lower Upper

105 100

120 45.6 37.2 55.8



#63

1,2,4-Trimethylbenzene

Concen: 5.756 ug/L

RT: 11.463 min Scan# 3164

Delta R.T. -0.000 min

Lab File: VU056398.D

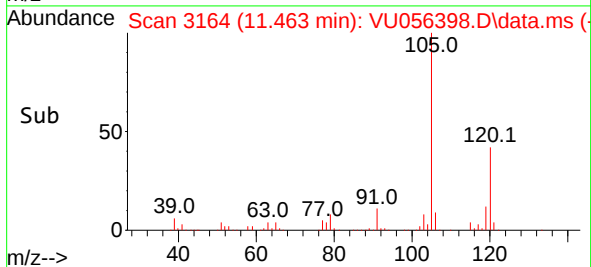
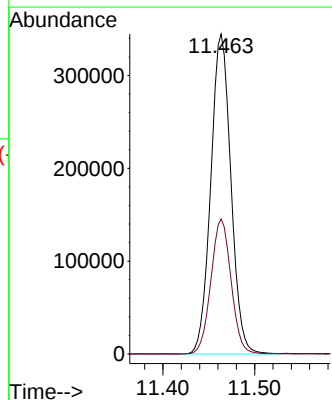
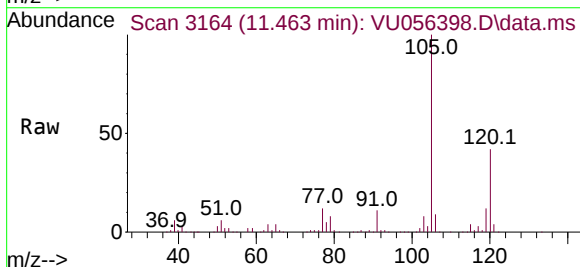
Acq: 16 Nov 2023 11:28

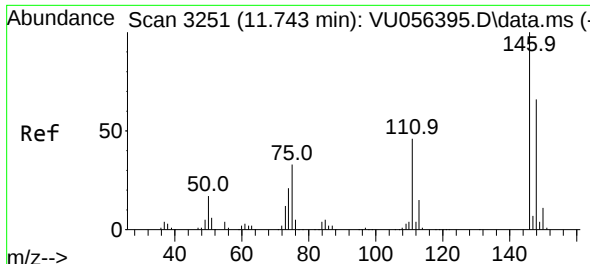
Tgt Ion:105 Resp: 525241

Ion Ratio Lower Upper

105 100

120 42.2 34.0 51.0

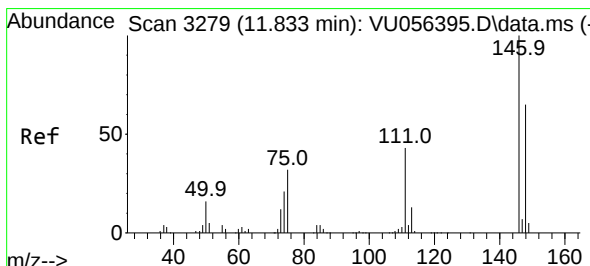
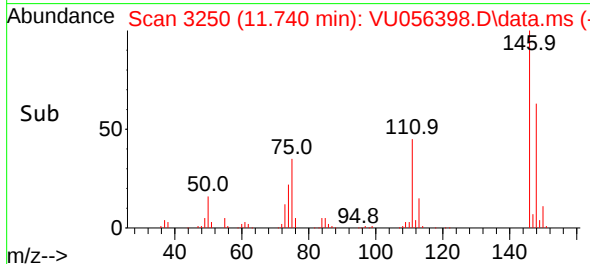
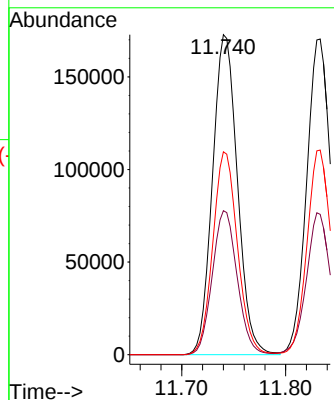
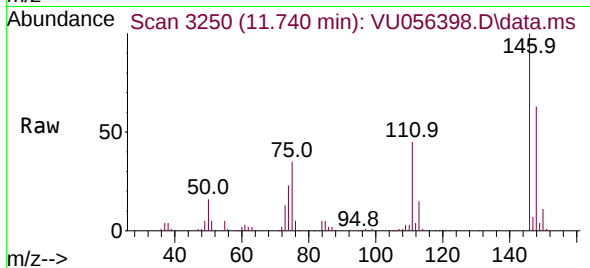




#64
1,3-Dichlorobenzene
Concen: 5.621 ug/L
RT: 11.740 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU056398.D
Acq: 16 Nov 2023 11:28

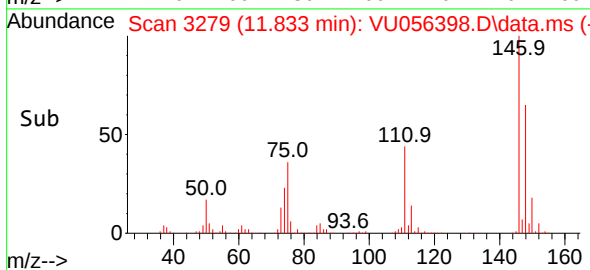
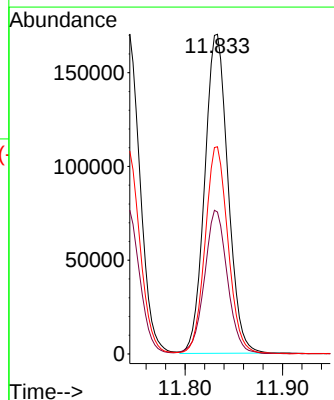
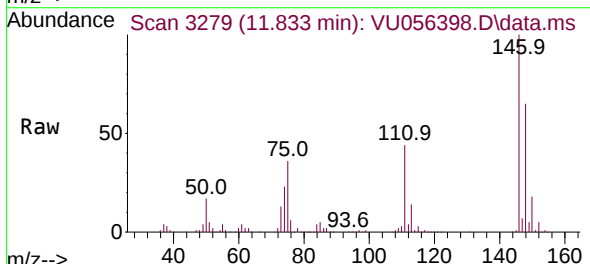
Instrument :
MSVOA_U
ClientSampleId :

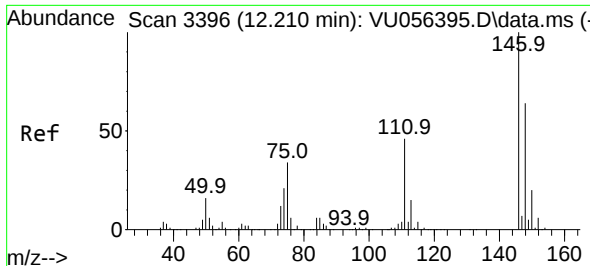
Tgt Ion:146 Resp: 287913
Ion Ratio Lower Upper
146 100
111 45.0 31.1 57.7
148 63.4 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 5.510 ug/L
RT: 11.833 min Scan# 3279
Delta R.T. -0.000 min
Lab File: VU056398.D
Acq: 16 Nov 2023 11:28

Tgt Ion:146 Resp: 283077
Ion Ratio Lower Upper
146 100
111 44.4 30.5 56.7
148 64.8 44.8 83.2





#67

1,2-Dichlorobenzene

Concen: 5.600 ug/L

RT: 12.206 min Scan# 31

Delta R.T. -0.003 min

Lab File: VU056398.D

Acq: 16 Nov 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

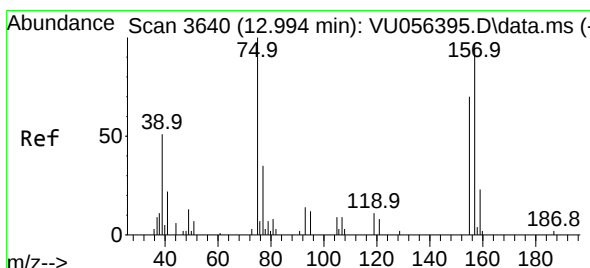
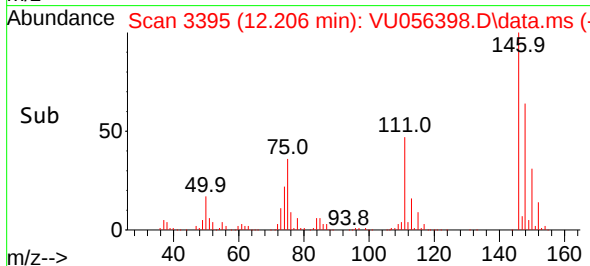
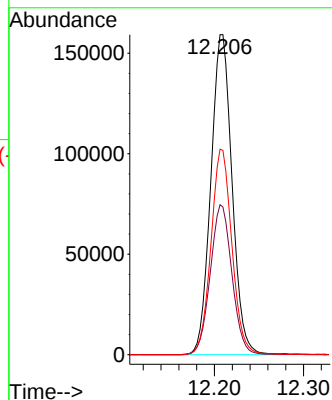
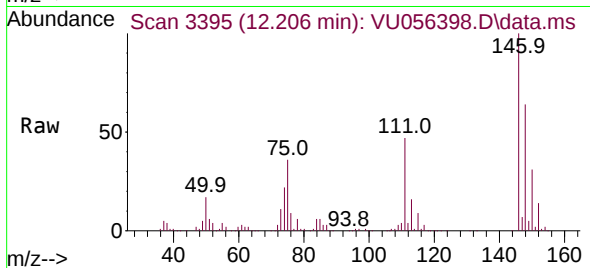
Tgt Ion:146 Resp: 263147

Ion Ratio Lower Upper

146 100

111 46.9 38.3 57.5

148 64.2 52.2 78.4



#68

1,2-Dibromo-3-chloropropane

Concen: 5.165 ug/L

RT: 12.994 min Scan# 3640

Delta R.T. -0.000 min

Lab File: VU056398.D

Acq: 16 Nov 2023 11:28

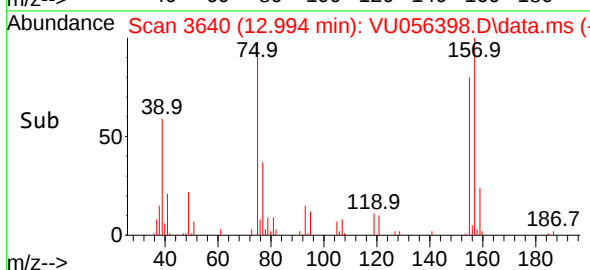
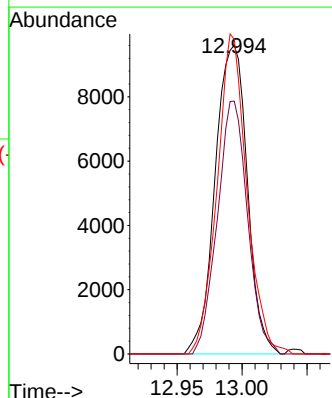
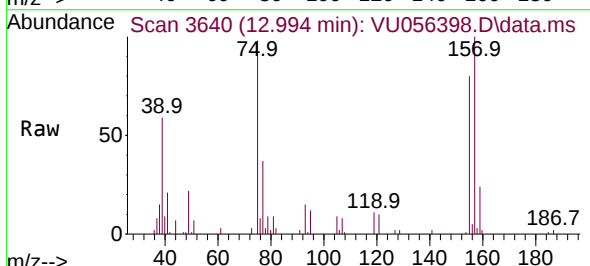
Tgt Ion: 75 Resp: 16528

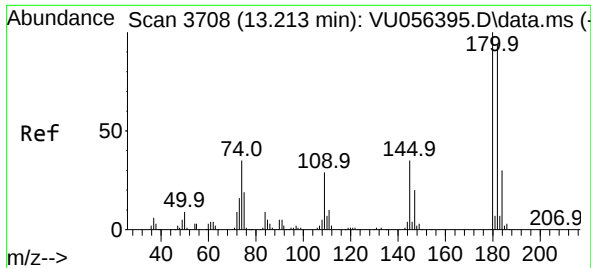
Ion Ratio Lower Upper

75 100

155 81.8 62.4 93.6

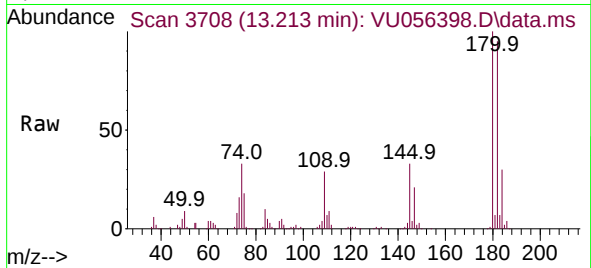
157 101.8 80.2 120.2



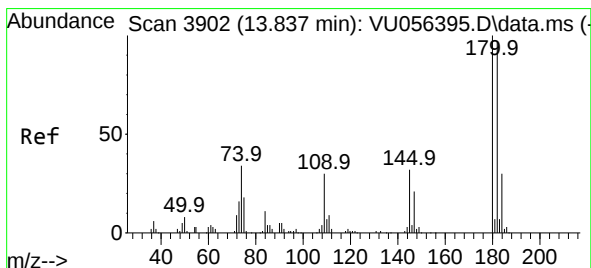
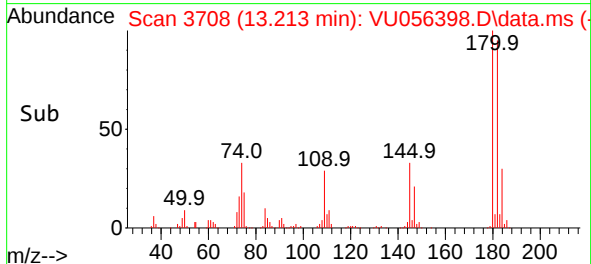
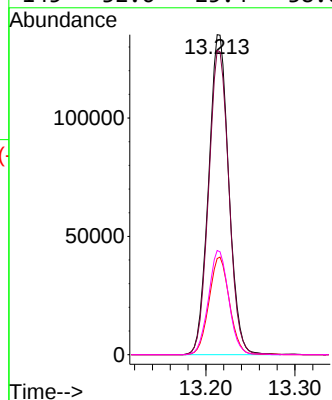


#69
 1,3,5-Trichlorobenzene
 Concen: 5.512 ug/L
 RT: 13.213 min Scan# 3708
 Delta R.T. -0.000 min
 Lab File: VU056398.D
 Acq: 16 Nov 2023 11:28

Instrument :
 MSVOA_U
 ClientSampleId :

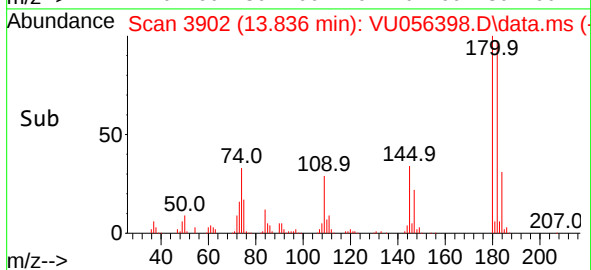
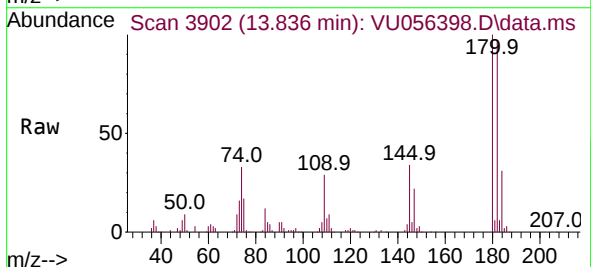
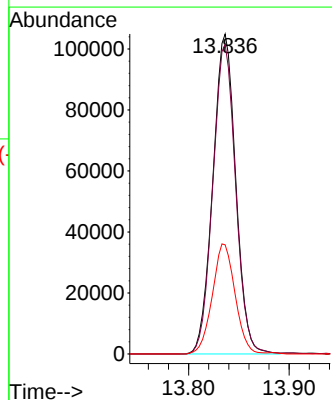


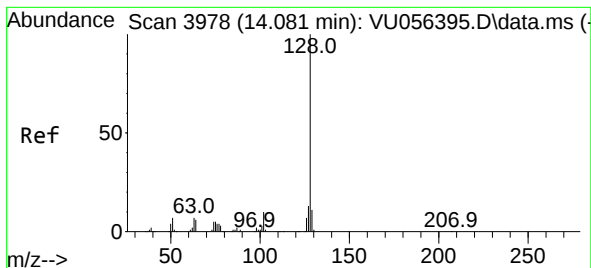
Tgt Ion:180 Resp: 212559
 Ion Ratio Lower Upper
 180 100
 182 95.4 75.1 112.7
 184 30.9 23.5 35.3
 145 32.6 25.4 38.0



#70
 1,2,4-trichlorobenzene
 Concen: 5.287 ug/L
 RT: 13.836 min Scan# 3902
 Delta R.T. -0.000 min
 Lab File: VU056398.D
 Acq: 16 Nov 2023 11:28

Tgt Ion:180 Resp: 166057
 Ion Ratio Lower Upper
 180 100
 182 96.1 75.4 113.2
 145 34.2 26.8 40.2





#71

Naphthalene

Concen: 5.223 ug/L

RT: 14.084 min Scan# 3978

Delta R.T. 0.003 min

Lab File: VU056398.D

Acq: 16 Nov 2023 11:28

Instrument :

MSVOA_U

ClientSampleId :

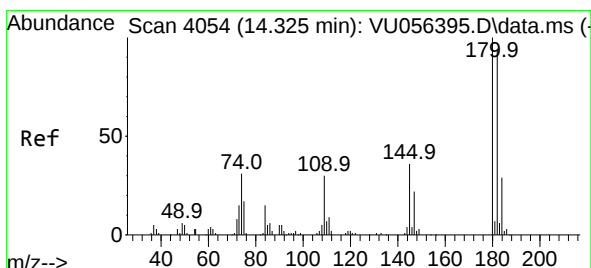
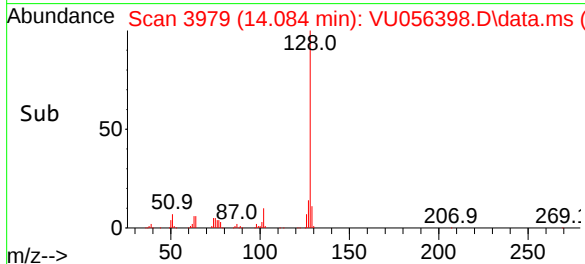
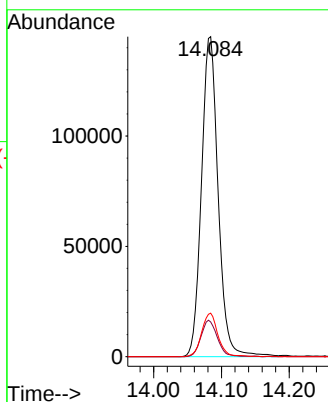
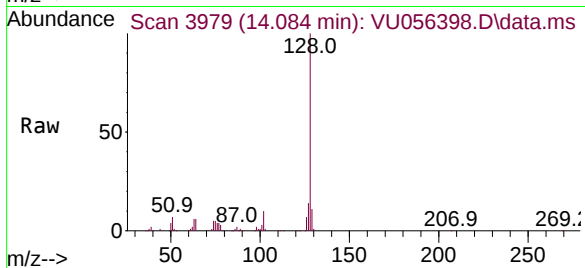
Tgt Ion:128 Resp: 247843

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

127 13.3 10.3 15.5



#72

1,2,3-Trichlorobenzene

Concen: 5.469 ug/L

RT: 14.325 min Scan# 4054

Delta R.T. -0.000 min

Lab File: VU056398.D

Acq: 16 Nov 2023 11:28

Tgt Ion:180 Resp: 141502

Ion Ratio Lower Upper

180 100

182 96.6 78.6 117.8

145 34.6 29.0 43.6

